

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059480.D
 Acq On : 4 Dec 2019 12:08
 Operator : JC/SP
 Sample : VN1204MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 00:44:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	377328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	593588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	532614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	239529	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	240792	51.37	ug/l	0.00
Spiked Amount						
			Recovery	=	102.74%	
35) Dibromofluoromethane	7.57	113	185553	50.19	ug/l	0.00
Spiked Amount						
			Recovery	=	100.38%	
50) Toluene-d8	10.08	98	722048	49.53	ug/l	0.00
Spiked Amount						
			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.40	95	252773	49.66	ug/l	0.00
Spiked Amount						
			Recovery	=	99.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	76541	18.229	ug/l	99
3) Chloromethane	2.04	50	103958	18.472	ug/l	99
4) Vinyl Chloride	2.17	62	63645	18.846	ug/l	97
5) Bromomethane	2.54	94	36828	17.945	ug/l	99
6) Chloroethane	2.68	64	35980	18.046	ug/l	93
7) Trichlorofluoromethane	3.00	101	81333	19.942	ug/l	97
8) Diethyl Ether	3.39	74	54318	20.441	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76881	19.203	ug/l	99
10) Methyl Iodide	3.93	142	96370	19.010	ug/l	99
11) Tert butyl alcohol	4.76	59	88788	100.520	ug/l	98
12) 1,1-Dichloroethene	3.71	96	75350	19.253	ug/l	97
13) Acrolein	3.58	56	75777	98.850	ug/l	99
14) Allyl chloride	4.29	41	145550	18.882	ug/l	100
15) Acrylonitrile	4.95	53	239448	100.203	ug/l	100
16) Acetone	3.79	43	268139	99.298	ug/l	99
17) Carbon Disulfide	4.02	76	240058	17.977	ug/l	98
18) Methyl Acetate	4.30	43	122299	19.382	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	271561	20.359	ug/l	98
20) Methylene Chloride	4.52	84	89030	19.432	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	83430	19.052	ug/l	99
22) Diisopropyl ether	5.92	45	295124	20.570	ug/l	98
23) Vinyl Acetate	5.86	43	1219751	105.949	ug/l	99
24) 1,1-Dichloroethane	5.82	63	161034	19.758	ug/l	99
25) 2-Butanone	6.81	43	335404	94.140	ug/l	99
26) 2,2-Dichloropropane	6.80	77	136033	19.297	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	95490	19.634	ug/l	98
28) Bromochloromethane	7.17	49	65697	21.047	ug/l	98
29) Tetrahydrofuran	7.19	42	217922	97.275	ug/l	100
30) Chloroform	7.35	83	154777	19.668	ug/l	100
31) Cyclohexane	7.63	56	149211	18.894	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	131766	19.265	ug/l	99
36) 1,1-Dichloropropene	7.77	75	118625	19.204	ug/l	99
37) Ethyl Acetate	6.90	43	133547	19.355	ug/l	99
38) Carbon Tetrachloride	7.75	117	115487	19.439	ug/l	99

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 00:44:35 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	141300	19.008	ug/l	98
40) Benzene	8.02	78	358281	19.807	ug/l	99
41) Methacrylonitrile	7.18	41	190773	68.222	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	124415	20.248	ug/l	100
43) Isopropyl Acetate	8.14	43	206647	20.137	ug/l	99
44) Trichloroethene	8.82	130	92935	19.660	ug/l	99
45) 1,2-Dichloropropane	9.10	63	96769	20.024	ug/l	99
46) Dibromomethane	9.19	93	59924	19.917	ug/l	99
47) Bromodichloromethane	9.39	83	121734	20.179	ug/l	99
48) Methyl methacrylate	9.18	41	91002	19.655	ug/l	100
49) 1,4-Dioxane	9.19	88	30474	434.987	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	630534	103.510	ug/l	99
52) Toluene	10.15	92	214770	19.632	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	140336	19.769	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	150989	20.067	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	87874	20.376	ug/l	99
56) Ethyl methacrylate	10.42	69	127391	19.168	ug/l	98
57) 1,3-Dichloropropane	10.70	76	151413	20.303	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	227276	105.217	ug/l	100
59) 2-Hexanone	10.74	43	459917	100.324	ug/l	100
60) Dibromochloromethane	10.90	129	93111	20.221	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87272	19.584	ug/l	97
64) Tetrachloroethene	10.63	164	86790	19.157	ug/l	99
65) Chlorobenzene	11.43	112	224893	19.315	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	84462	20.188	ug/l	99
67) Ethyl Benzene	11.51	91	402668	19.739	ug/l	99
68) m/p-Xylenes	11.62	106	298648	39.316	ug/l	96
69) o-Xylene	11.95	106	142494	19.704	ug/l	99
70) Styrene	11.96	104	224063	19.409	ug/l	99
71) Bromoform	12.12	173	65001	19.932	ug/l #	100
73) Isopropylbenzene	12.25	105	376459	19.598	ug/l	99
74) N-amyl acetate	12.07	43	150508	19.452	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	124572	20.217	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	170536	28.634	ug/l #	100
77) Bromobenzene	12.53	156	93754	19.531	ug/l	99
78) n-propylbenzene	12.59	91	442144	19.779	ug/l	99
79) 2-Chlorotoluene	12.67	91	265379	19.693	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	323477	20.150	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44197	19.475	ug/l	97
82) 4-Chlorotoluene	12.77	91	271228	19.508	ug/l	100
83) tert-Butylbenzene	12.99	119	271605	19.488	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	309694	19.740	ug/l	100
85) sec-Butylbenzene	13.17	105	359333	19.453	ug/l	100
86) p-Isopropyltoluene	13.29	119	323927	19.569	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	162339	19.181	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	159958	18.740	ug/l	98
89) n-Butylbenzene	13.62	91	271463	18.305	ug/l	99
90) Hexachloroethane	13.88	117	61011	19.111	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	158327	19.514	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25103	19.675	ug/l	98

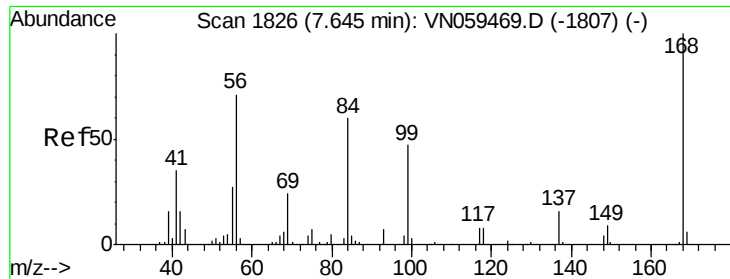
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120419\
Data File : VN059480.D
Acq On : 4 Dec 2019 12:08
Operator : JC/SP
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 05 00:44:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	89072	17.983	ug/l	99
94) Hexachlorobutadiene	15.01	225	57114	19.538	ug/l	99
95) Naphthalene	15.13	128	234895	18.805	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	91119	19.558	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

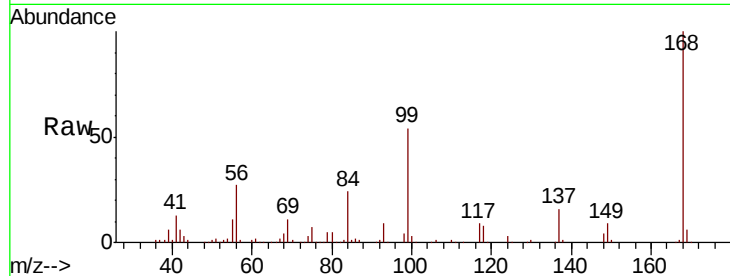
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 377328

Ion Ratio Lower Upper

168 100

99 54.3 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

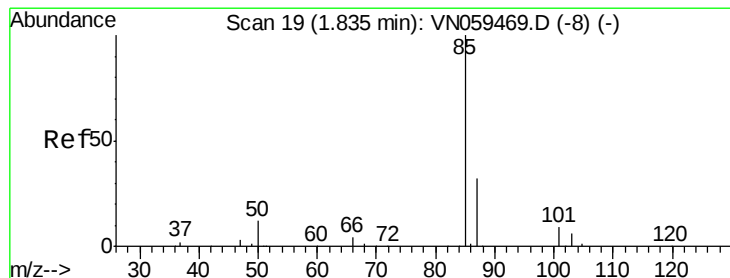
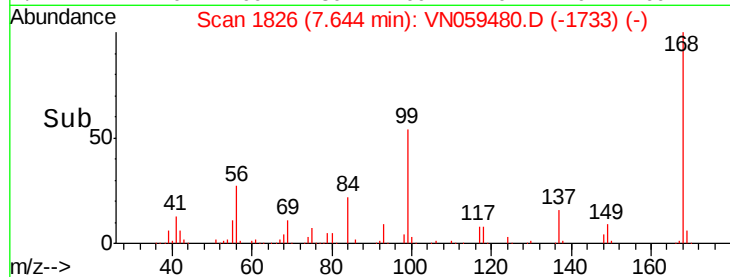
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.229 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059480.D

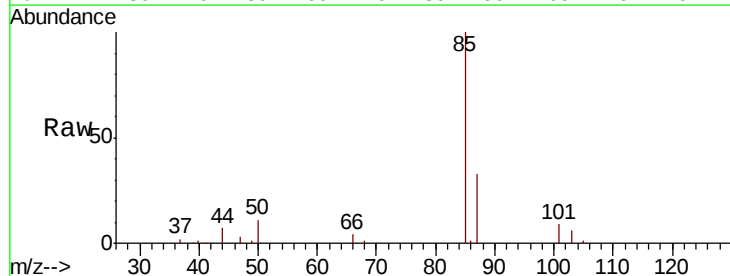
Acq: 4 Dec 2019 12:08

Tgt Ion: 85 Resp: 76541

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

60000

50000

40000

30000

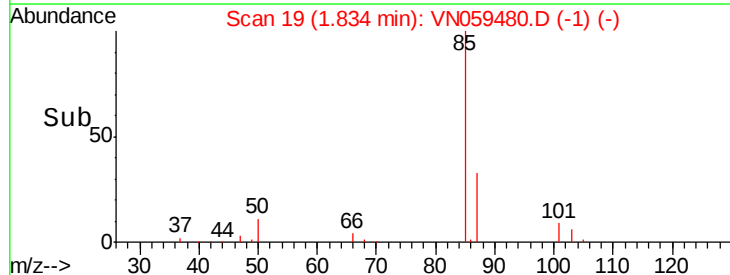
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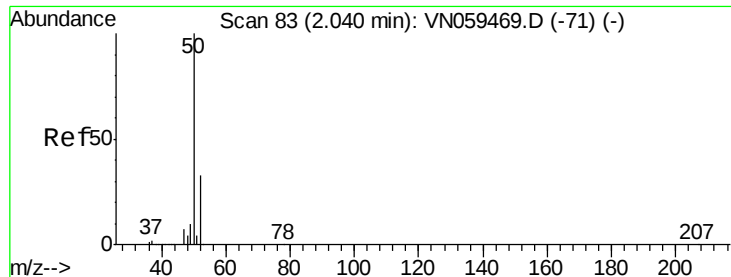
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.472 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

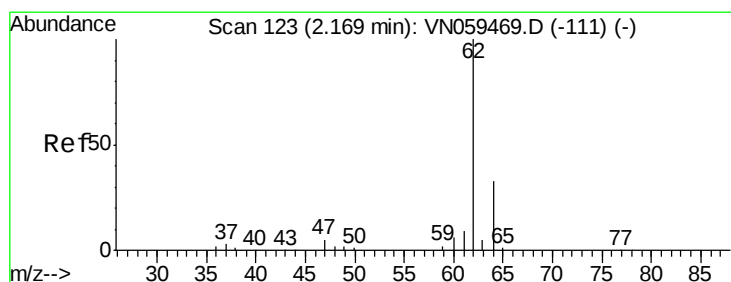
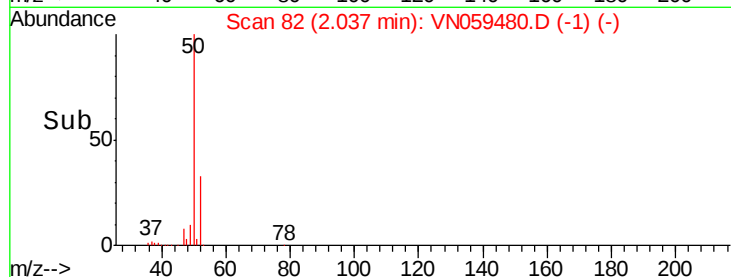
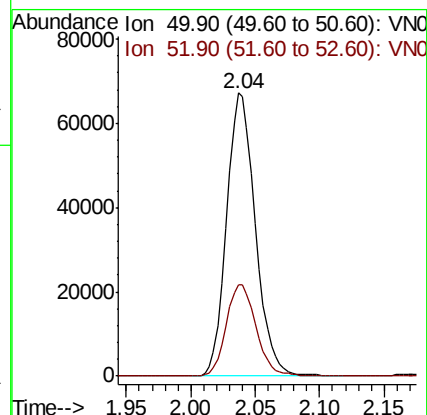
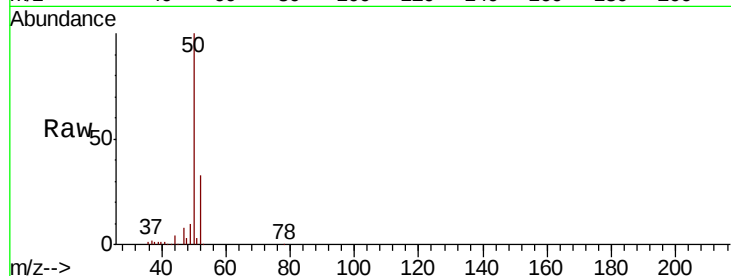
ClientSampleId :

Tot Ion: 50 Resp: 103958

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 18.846 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059480.D

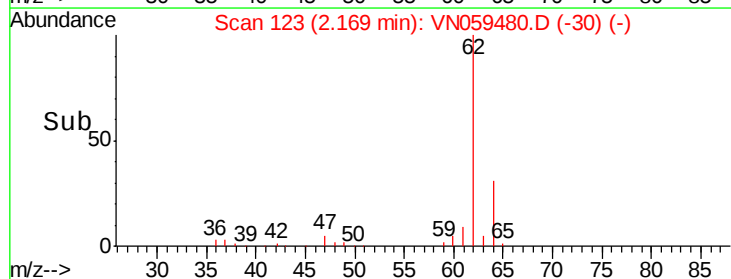
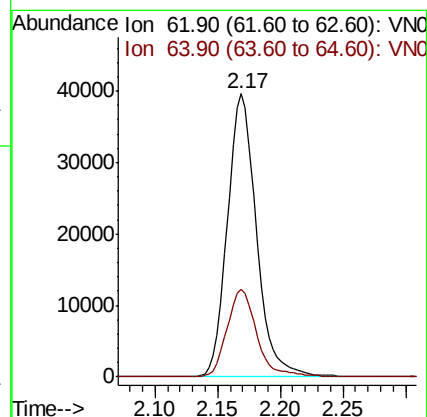
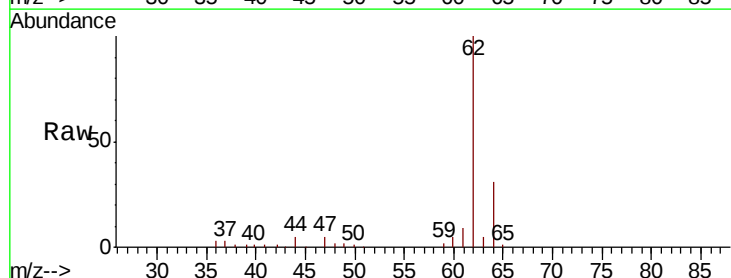
Acq: 4 Dec 2019 12:08

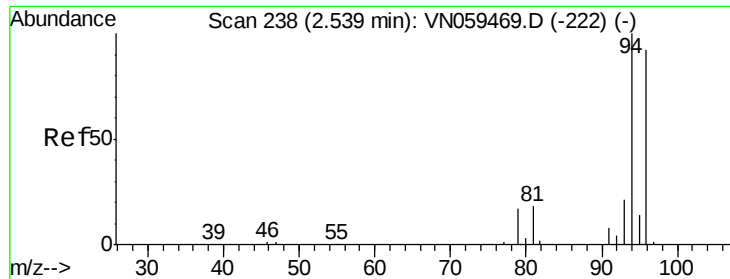
Tgt Ion: 62 Resp: 63645

Ion Ratio Lower Upper

62 100

64 31.1 26.0 39.0





#5

Bromomethane

Concen: 17.945 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

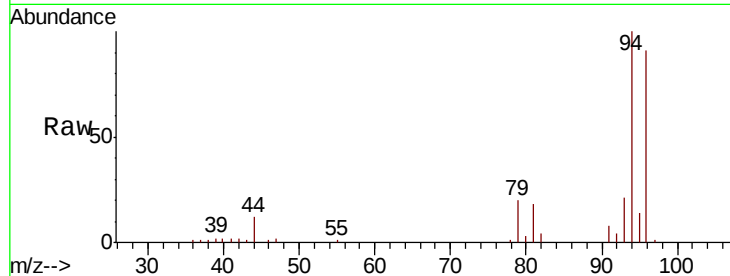
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 36828

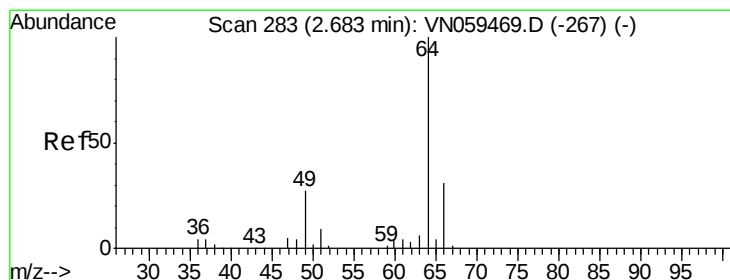
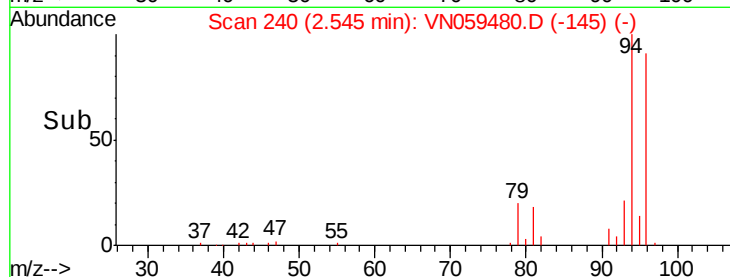
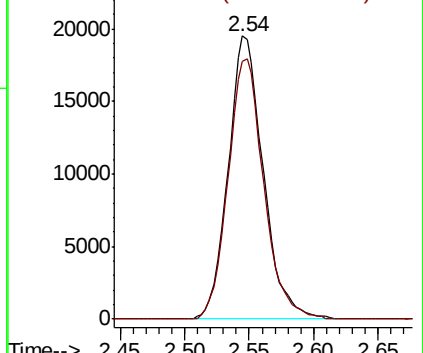
Ion Ratio Lower Upper

94 100

96 91.3 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.046 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059480.D

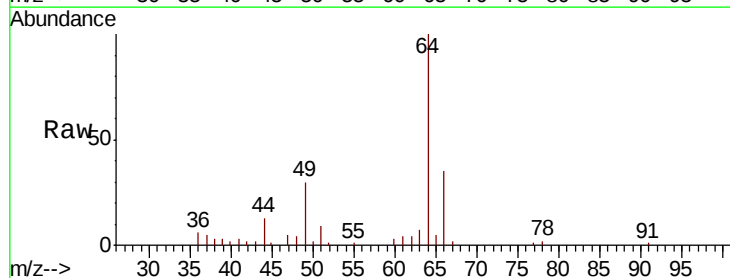
Acq: 4 Dec 2019 12:08

Tgt Ion: 64 Resp: 35980

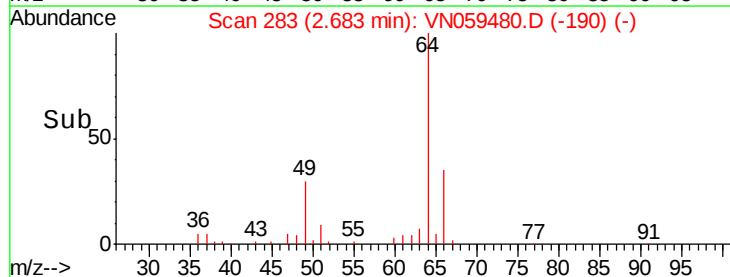
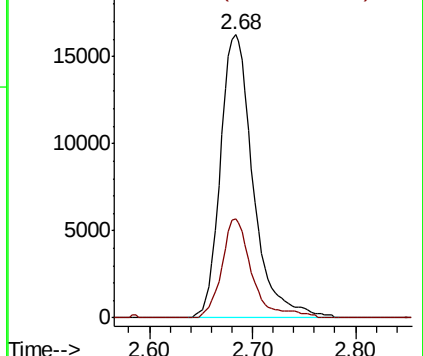
Ion Ratio Lower Upper

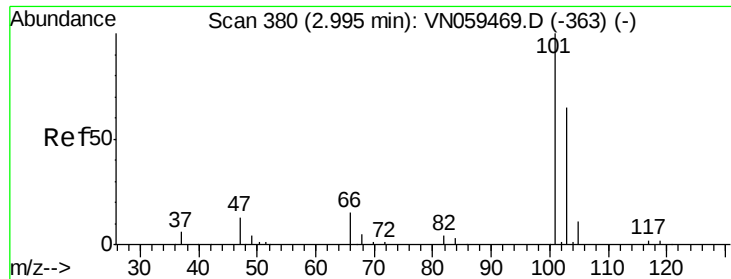
64 100

66 35.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



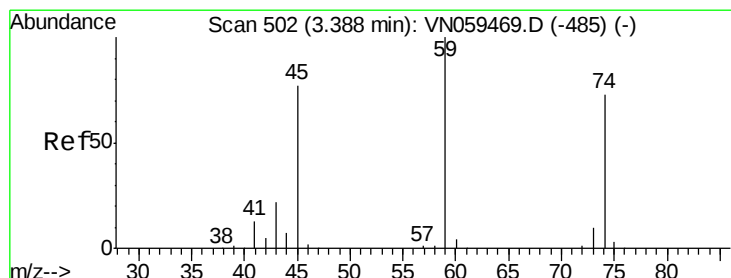
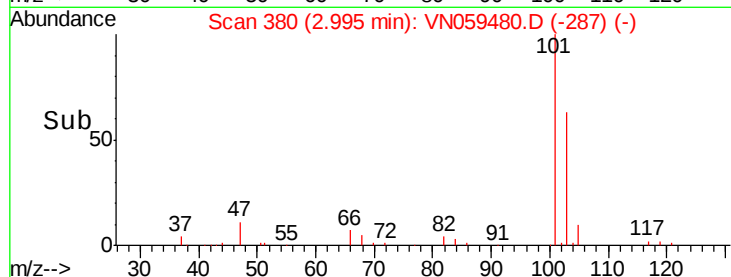
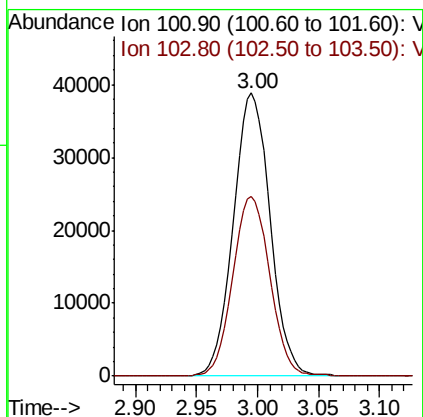
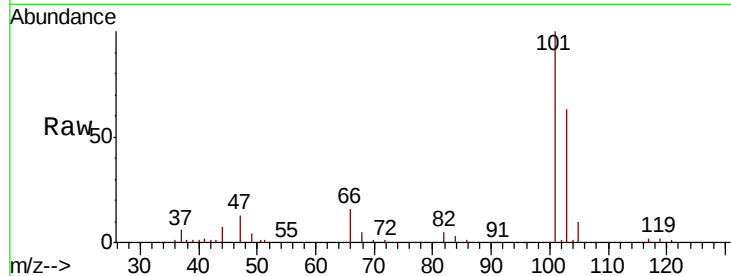


#7

Trichlorofluoromethane
Concen: 19.942 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :

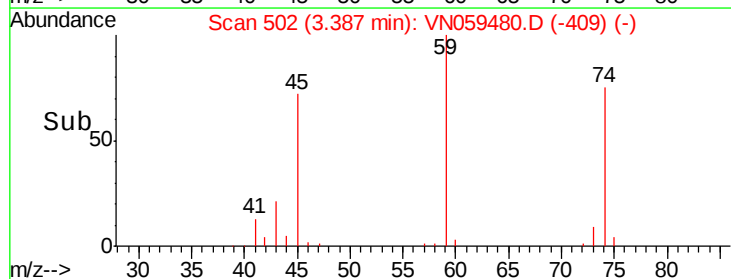
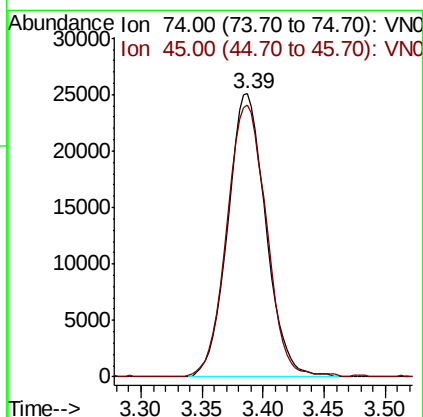
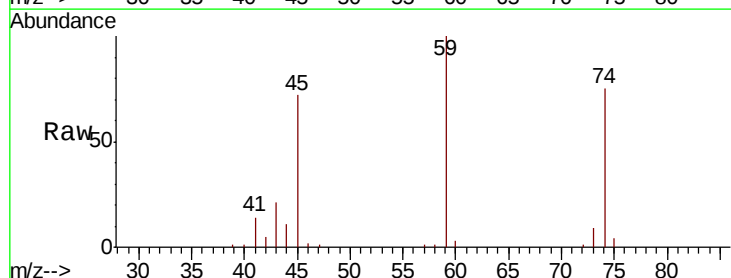
Tot Ion:101 Resp: 81333
Ion Ratio Lower Upper
101 100
103 63.4 52.4 78.6

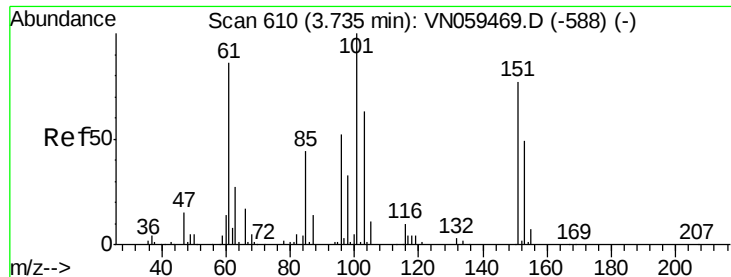


#8

Diethyl Ether
Concen: 20.441 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 74 Resp: 54318
Ion Ratio Lower Upper
74 100
45 99.8 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.203 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

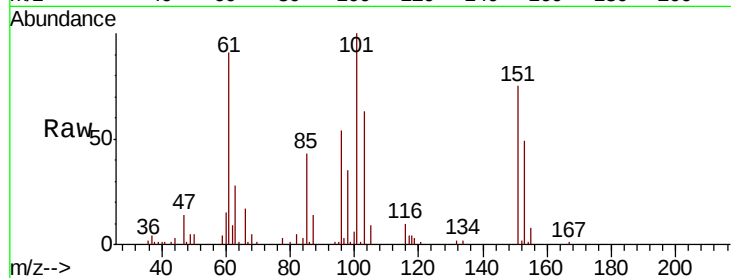
Tot Ion:101 Resp: 76881

Ion Ratio Lower Upper

101 100

85 43.7 35.2 52.8

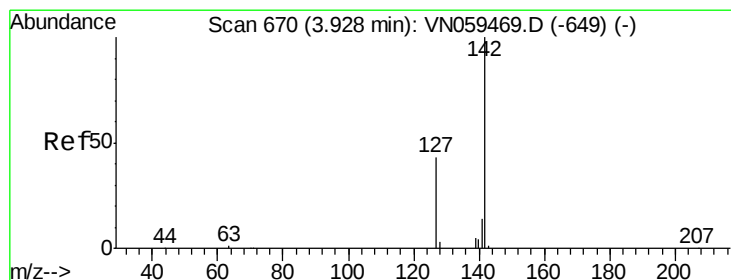
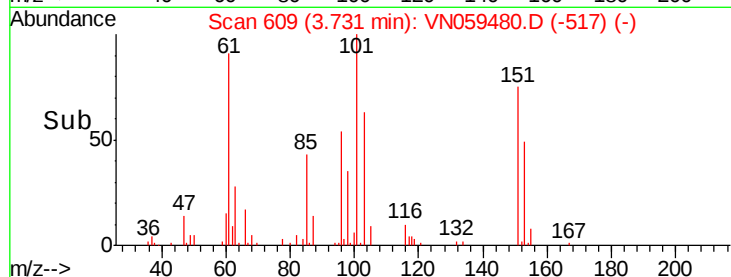
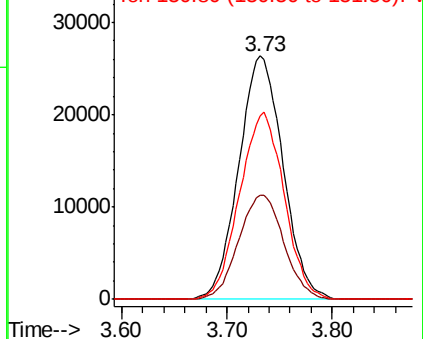
151 77.1 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.010 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

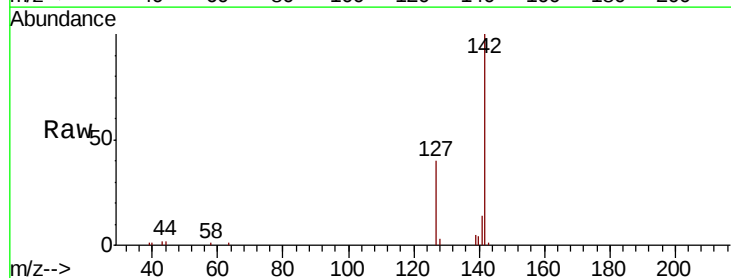
Tgt Ion:142 Resp: 96370

Ion Ratio Lower Upper

142 100

127 42.5 34.6 52.0

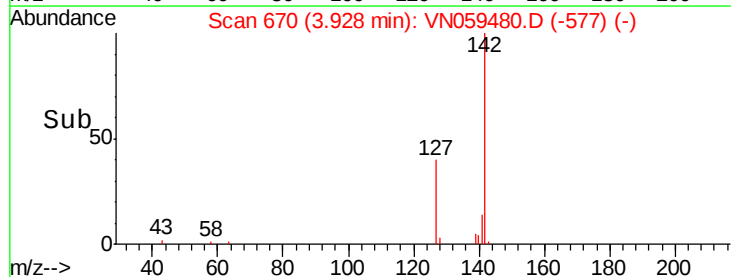
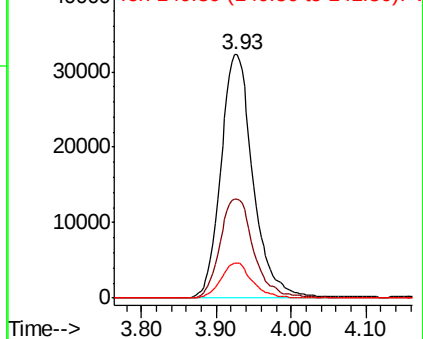
141 13.9 11.4 17.0

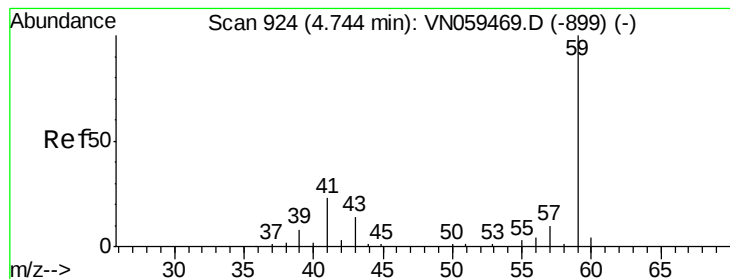


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 100.520 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.01 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

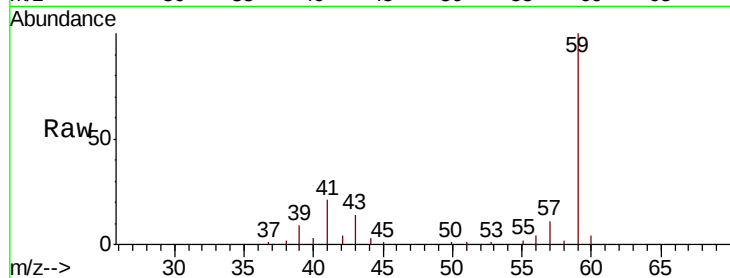
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 88788

Ion Ratio Lower Upper

59 100

57 10.7 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

25000

20000

15000

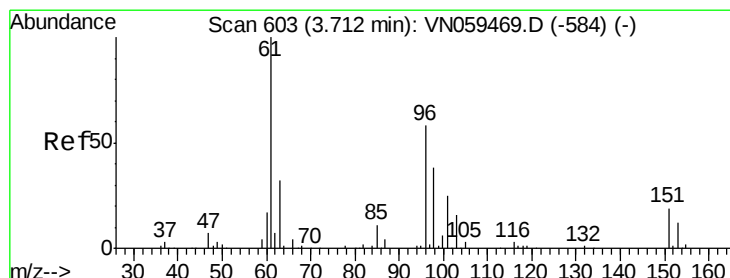
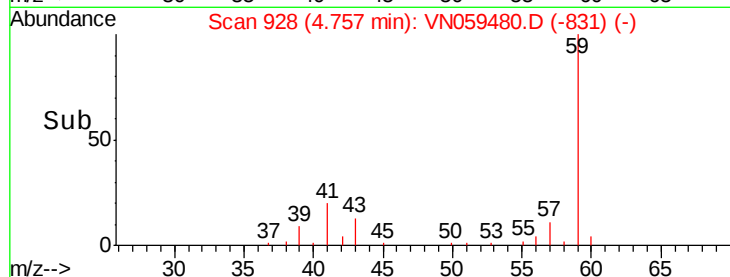
10000

5000

0

4.60 4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 19.253 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

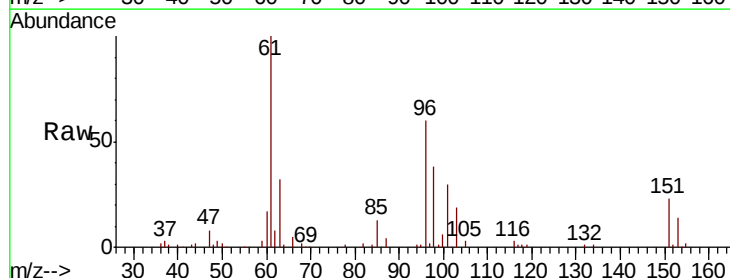
Tgt Ion: 96 Resp: 75350

Ion Ratio Lower Upper

96 100

61 167.2 137.1 205.7

98 63.4 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

60000

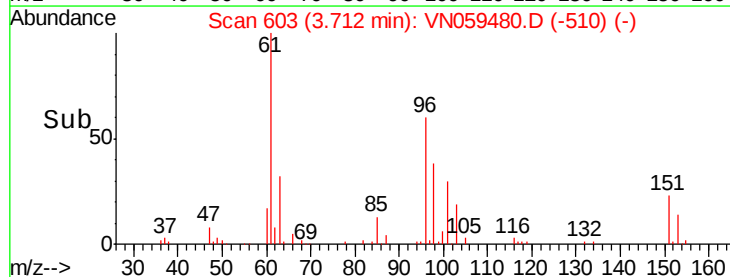
40000

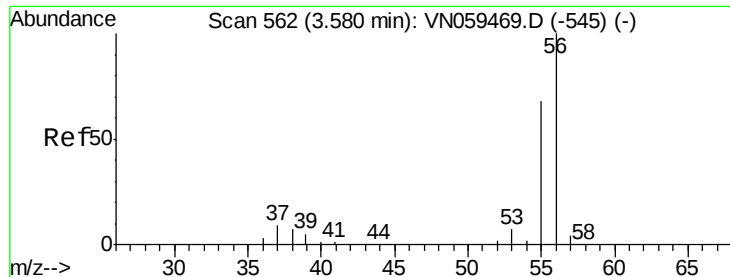
20000

0

3.60 3.70 3.80

Time-->





#13

Acrolein

Concen: 98.850 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

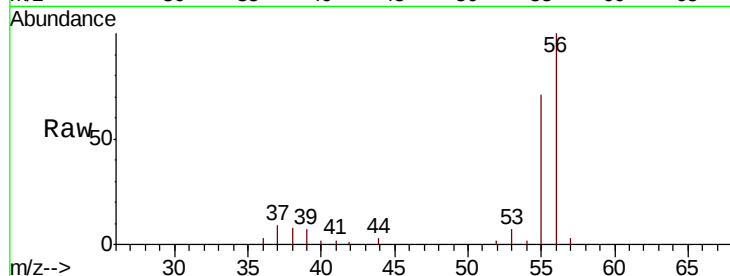
ClientSampleId :

Tot Ion: 56 Resp: 75777

Ion Ratio Lower Upper

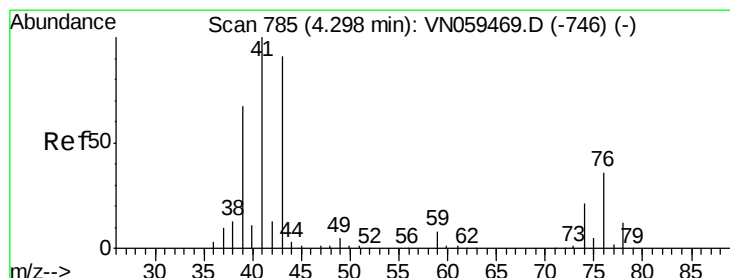
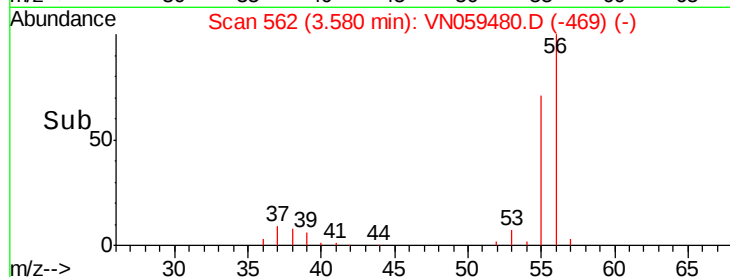
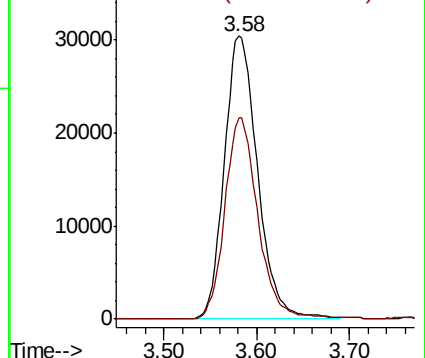
56 100

55 70.1 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.882 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

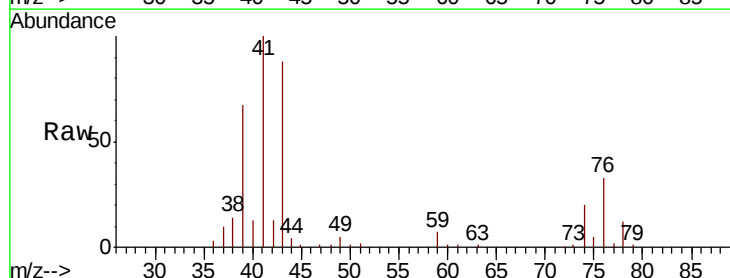
Tgt Ion: 41 Resp: 145550

Ion Ratio Lower Upper

41 100

39 62.0 49.3 73.9

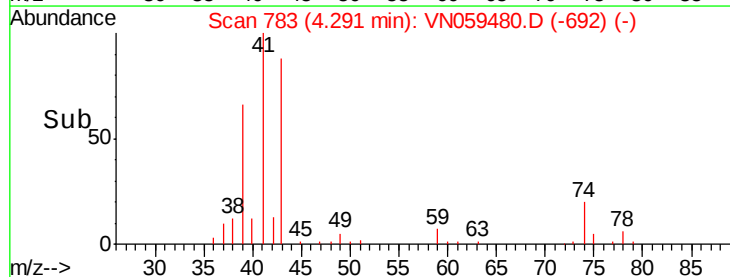
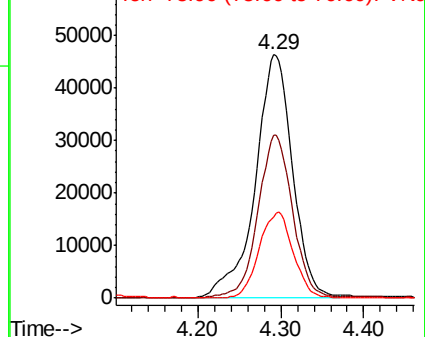
76 32.0 25.6 38.4

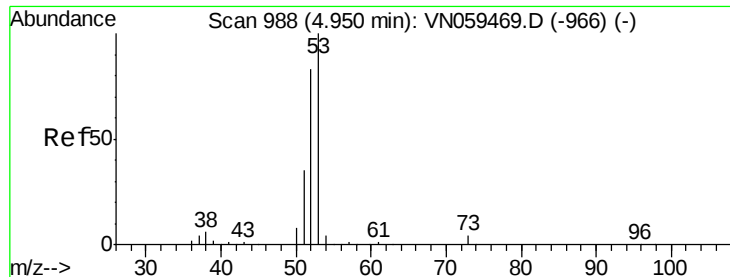


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.203 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :

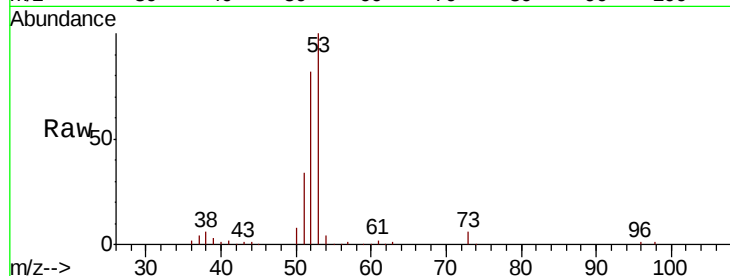
Tot Ion: 53 Resp: 239448

Ion Ratio Lower Upper

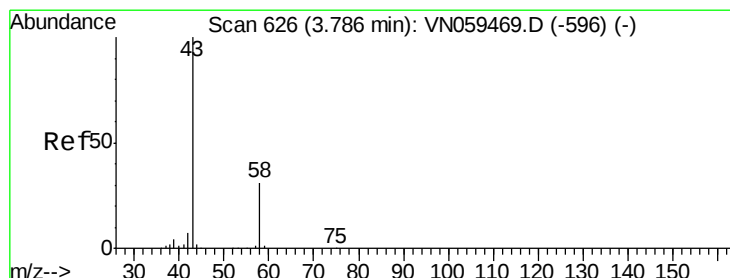
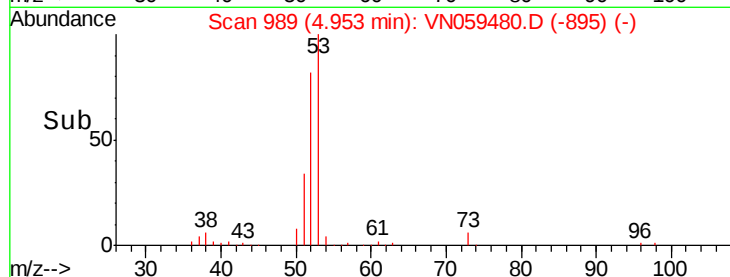
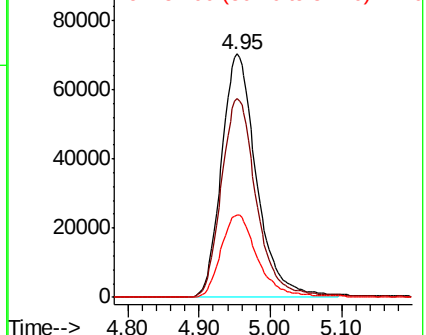
53 100

52 81.6 65.5 98.3

51 35.5 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 99.298 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059480.D

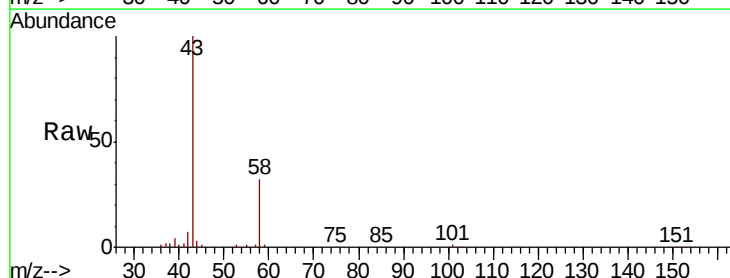
Acq: 4 Dec 2019 12:08

Tgt Ion: 43 Resp: 268139

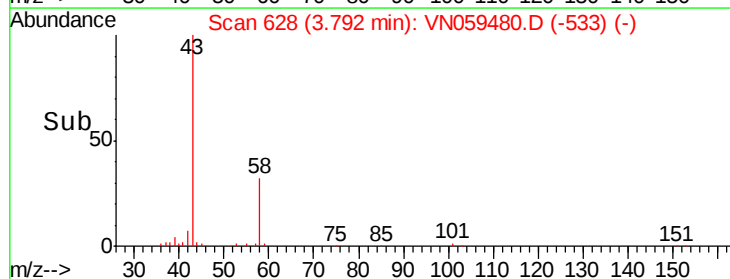
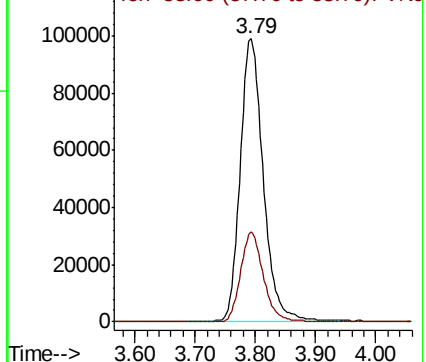
Ion Ratio Lower Upper

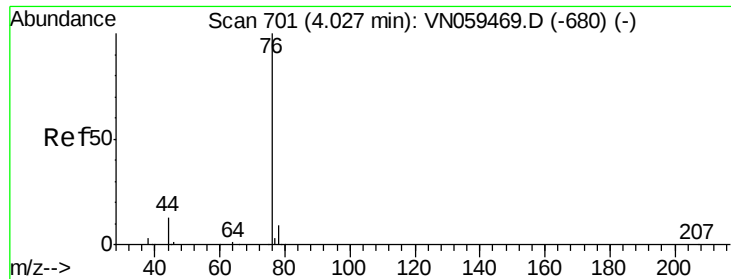
43 100

58 31.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.977 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

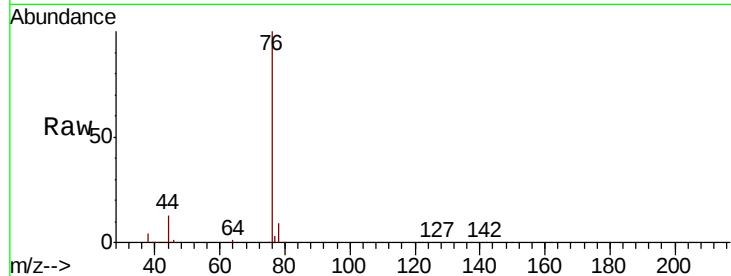
ClientSampled :

Tot Ion: 76 Resp: 240058

Ion Ratio Lower Upper

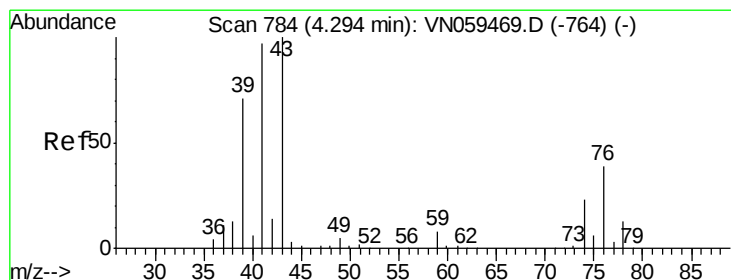
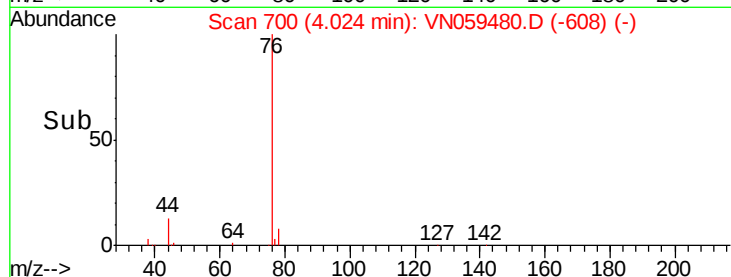
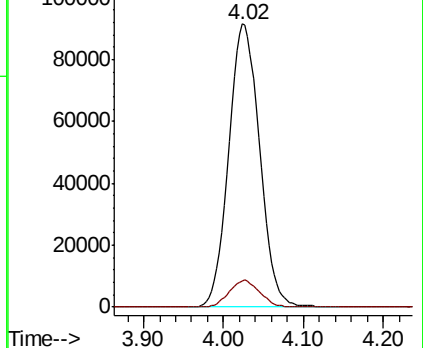
76 100

78 9.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.382 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059480.D

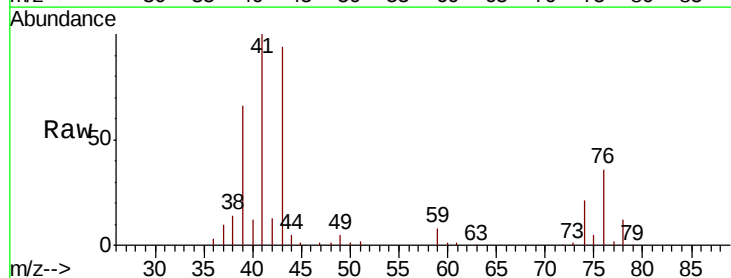
Acq: 4 Dec 2019 12:08

Tgt Ion: 43 Resp: 122299

Ion Ratio Lower Upper

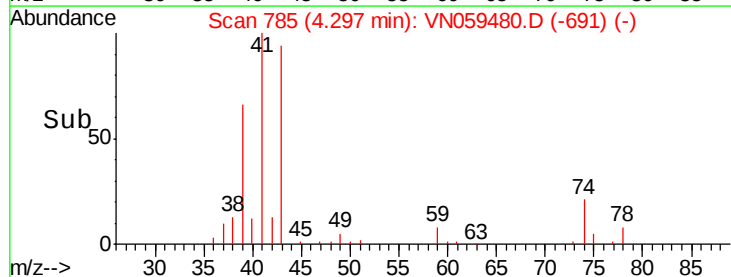
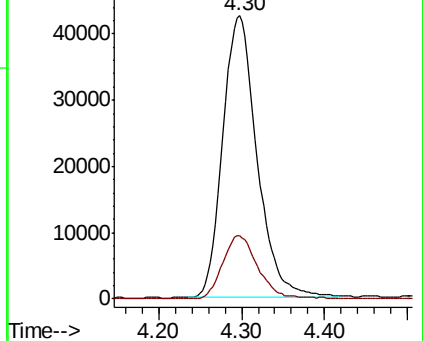
43 100

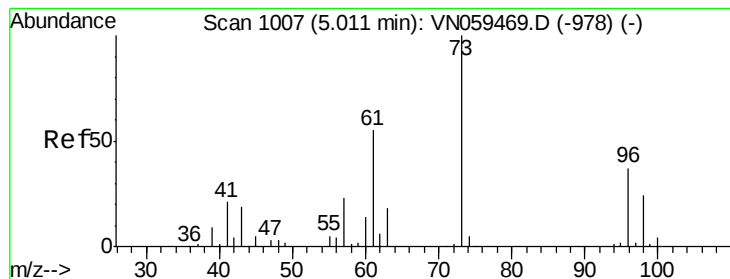
74 23.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



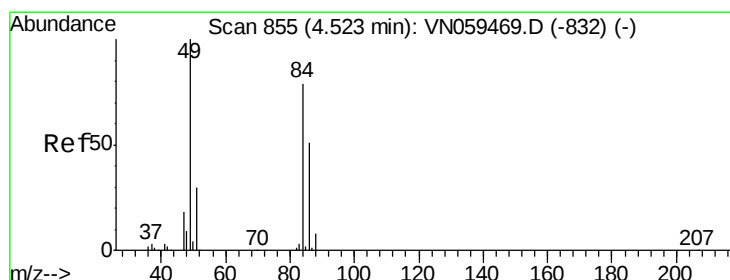
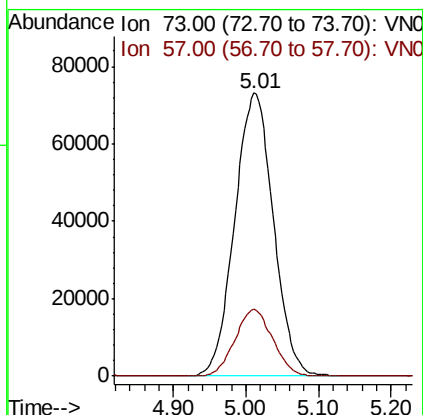
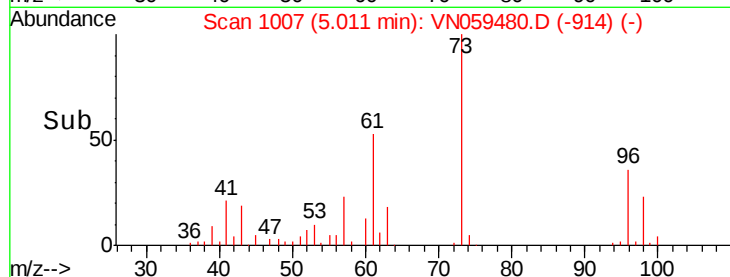
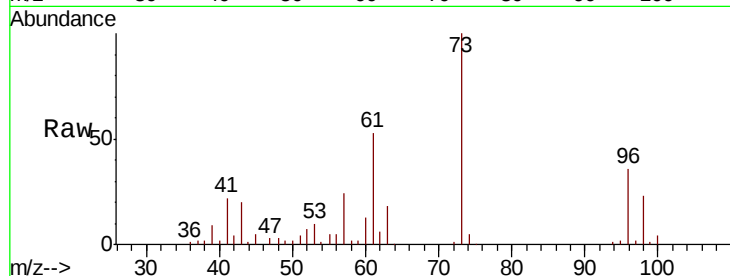


#19

Methyl tert-butyl Ether
 Concen: 20.359 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampled :

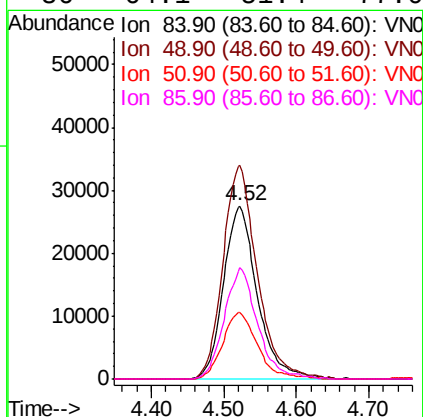
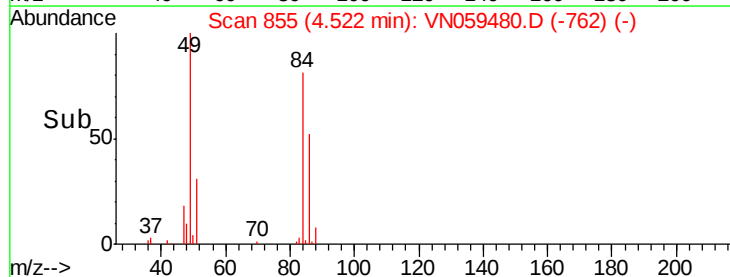
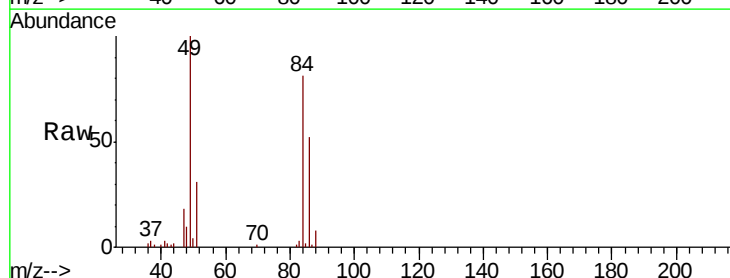
Tot Ion: 73 Resp: 271561
 Ion Ratio Lower Upper
 73 100
 57 23.6 18.0 27.0

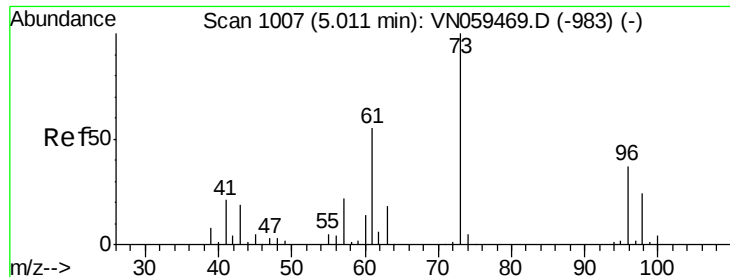


#20

Methylene Chloride
 Concen: 19.432 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion: 84 Resp: 89030
 Ion Ratio Lower Upper
 84 100
 49 123.4 101.1 151.7
 51 38.3 30.7 46.1
 86 64.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.052 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

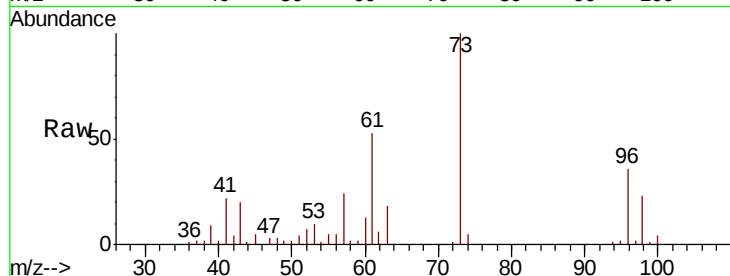
Tot Ion: 96 Resp: 83430

Ion Ratio Lower Upper

96 100

61 149.8 118.9 178.3

98 65.1 51.6 77.4

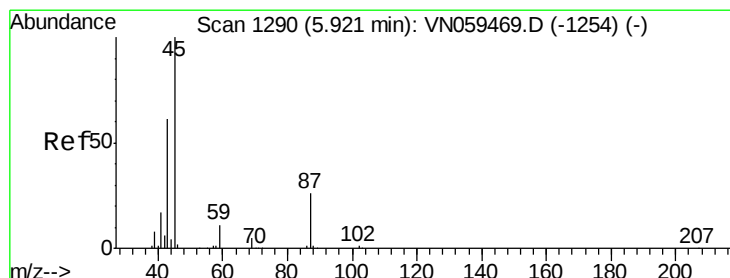
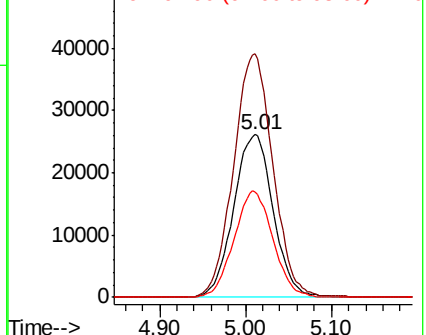
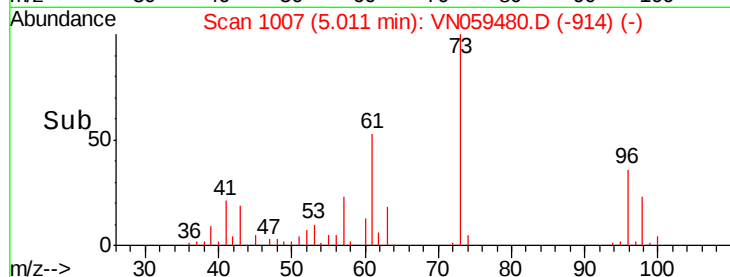


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.570 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Tgt Ion: 45 Resp: 295124

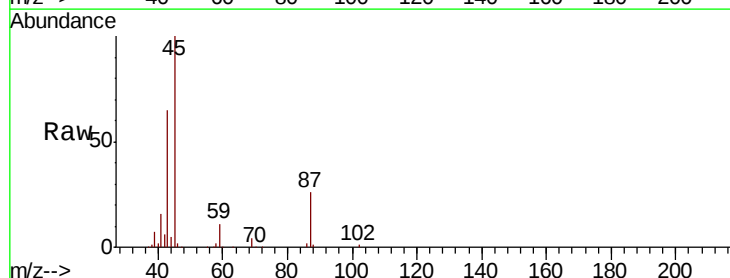
Ion Ratio Lower Upper

45 100

43 63.6 49.1 73.7

87 26.2 21.6 32.4

59 11.0 9.0 13.4



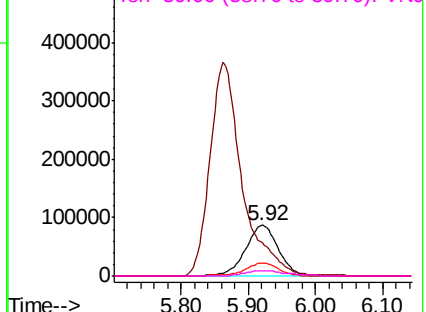
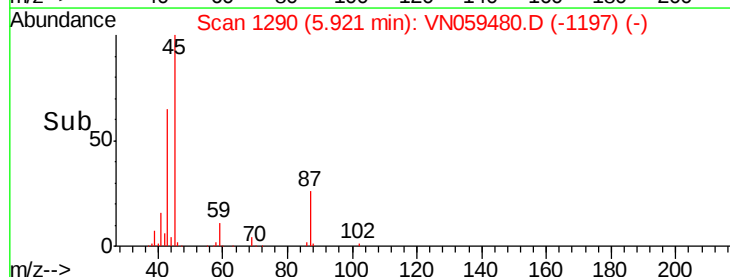
Abundance

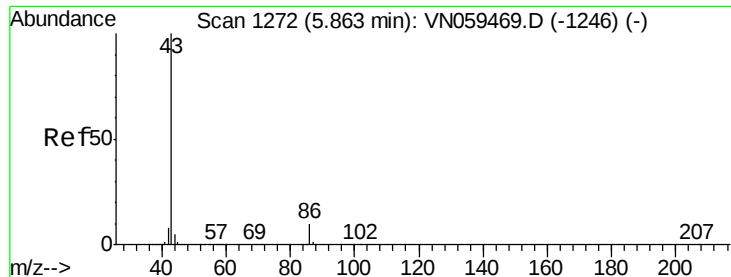
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 105.949 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

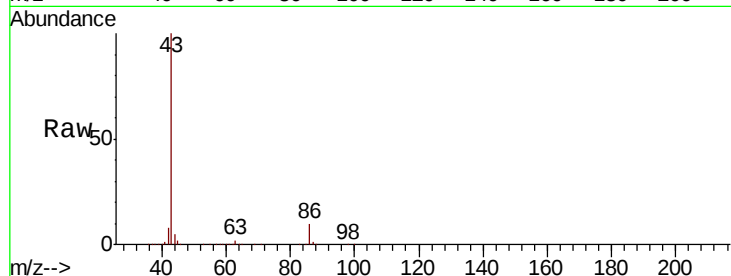
ClientSampled :

Tot Ion: 43 Resp: 1219751

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN059469.D (-1246) (-)

5.86

400000

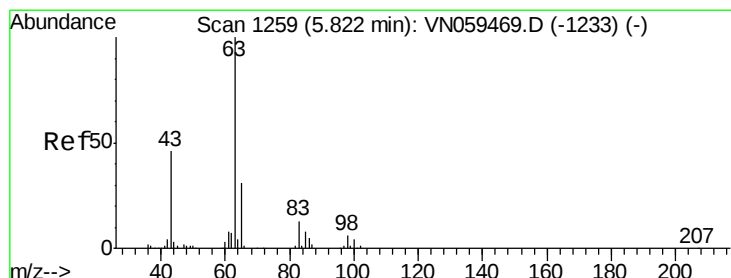
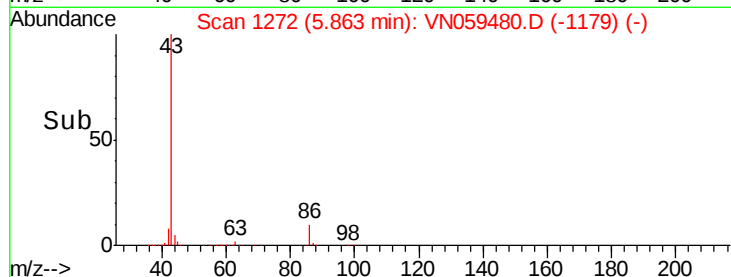
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.758 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

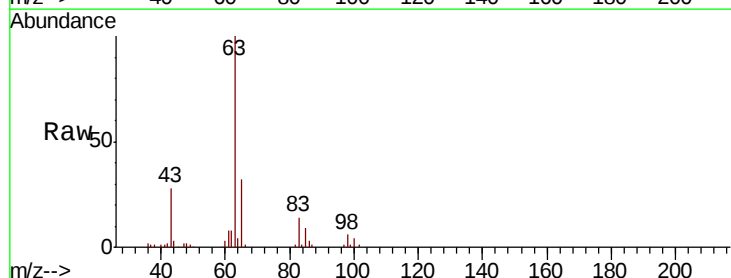
Tgt Ion: 63 Resp: 161034

Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059469.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059469.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059469.D (-1233) (-)

5.82

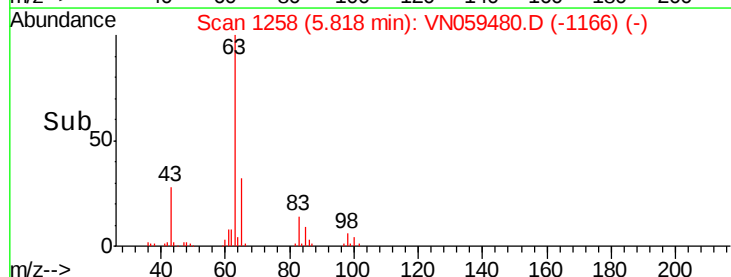
60000

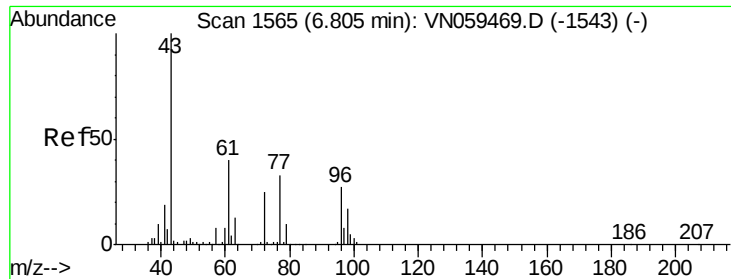
40000

20000

0

Time-->

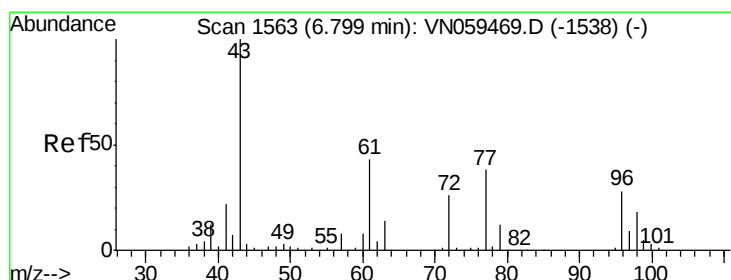
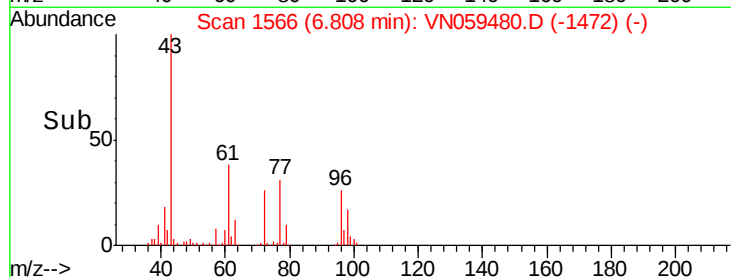
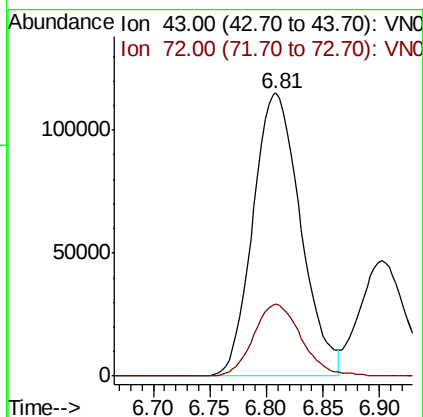
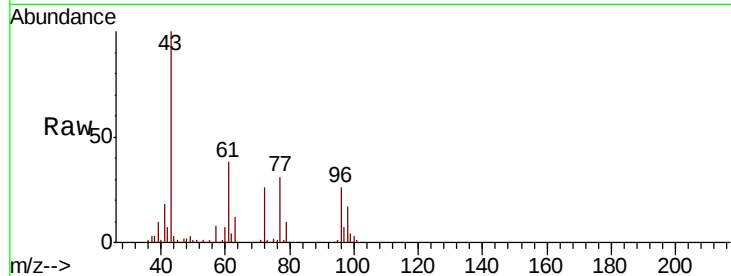




#25
2-Butanone
Concen: 94.140 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

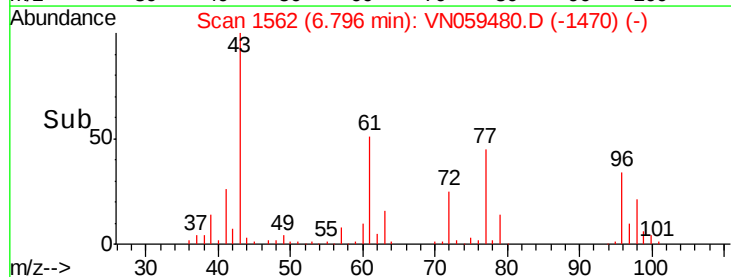
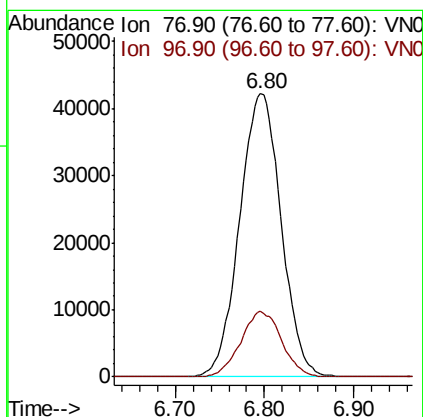
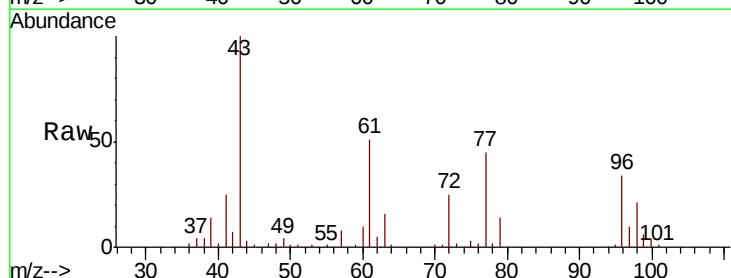
Instrument :
MSVOA_N
ClientSampled :

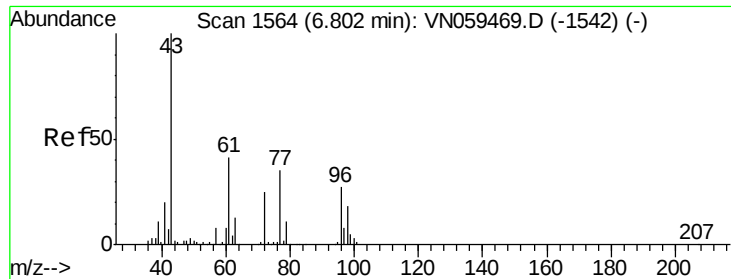
Tot Ion: 43 Resp: 335404
Ion Ratio Lower Upper
43 100
72 25.7 20.2 30.2



#26
2,2-Dichloropropane
Concen: 19.297 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 77 Resp: 136033
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.1

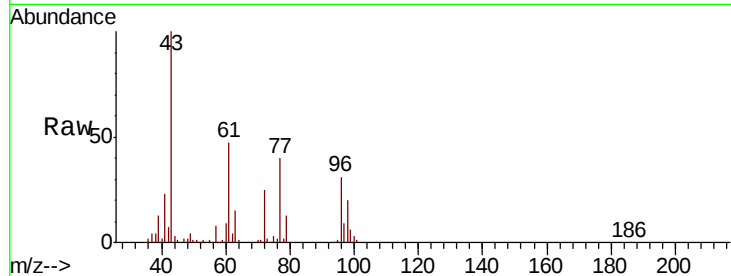




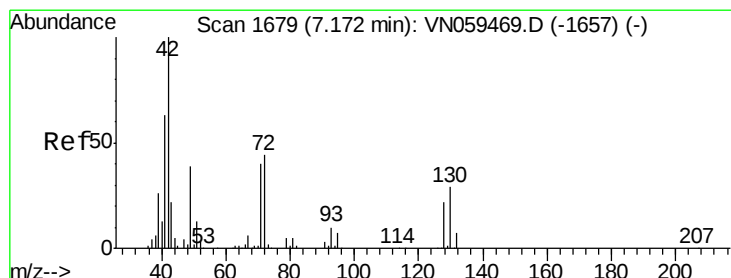
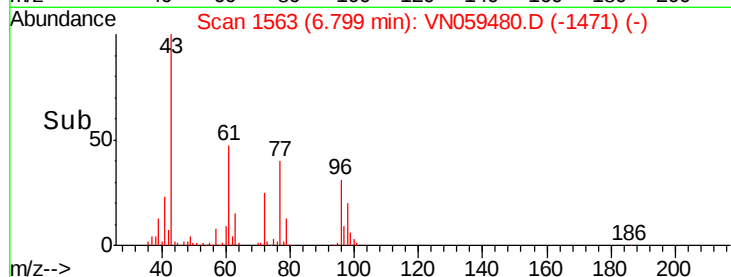
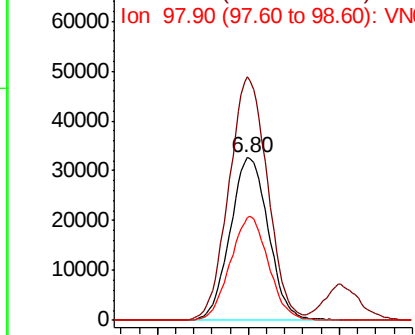
#27
 cis-1,2-Dichloroethene
 Concen: 19.634 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 96 Resp: 95490
 Ion Ratio Lower Upper
 96 100
 61 150.6 0.0 307.4
 98 63.5 0.0 129.2

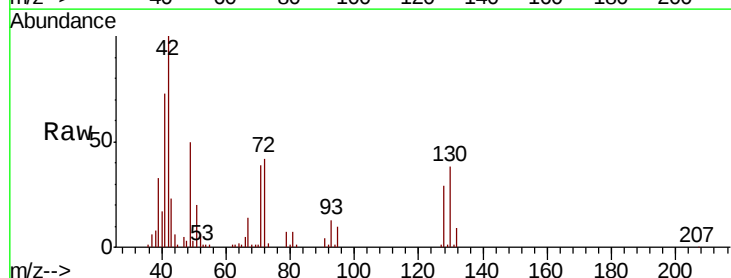


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

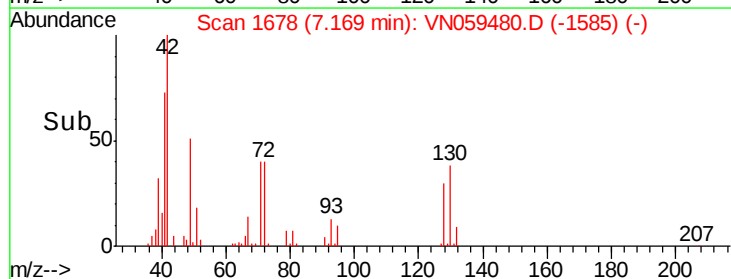
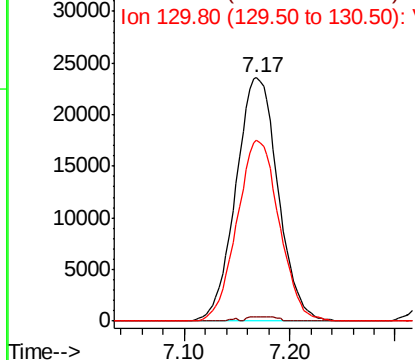


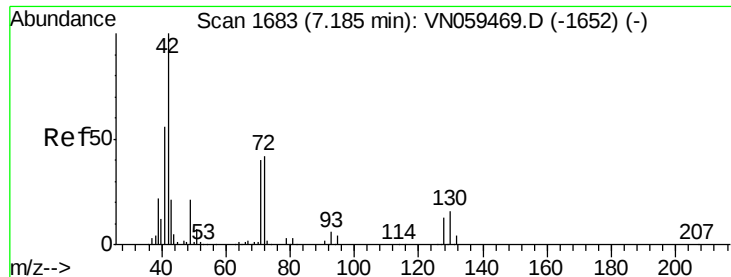
#28
 Bromochloromethane
 Concen: 21.047 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion: 49 Resp: 65697
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.2
 130 74.3 58.4 87.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 97.275 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

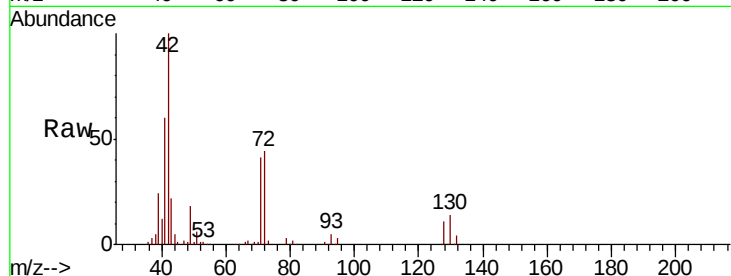
Tot Ion: 42 Resp: 217922

Ion Ratio Lower Upper

42 100

72 42.9 34.2 51.2

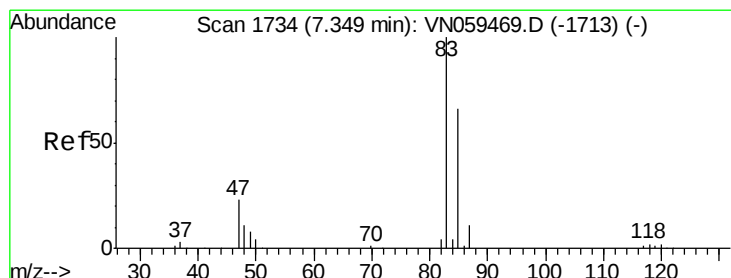
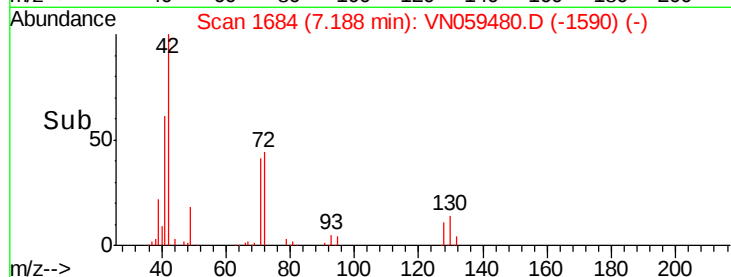
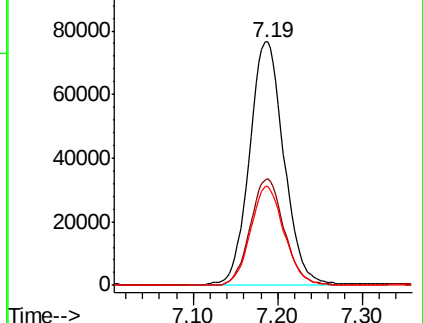
71 39.7 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VN059469.D (-1652) (-)

Ion 72.00 (71.70 to 72.70): VN059469.D (-1652) (-)

Ion 71.00 (70.70 to 71.70): VN059469.D (-1652) (-)



#30

Chloroform

Concen: 19.668 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059480.D

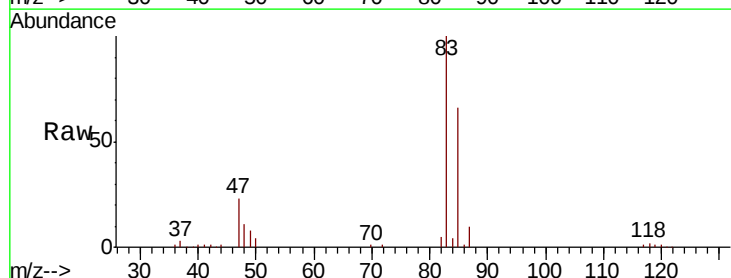
Acq: 4 Dec 2019 12:08

Tgt Ion: 83 Resp: 154777

Ion Ratio Lower Upper

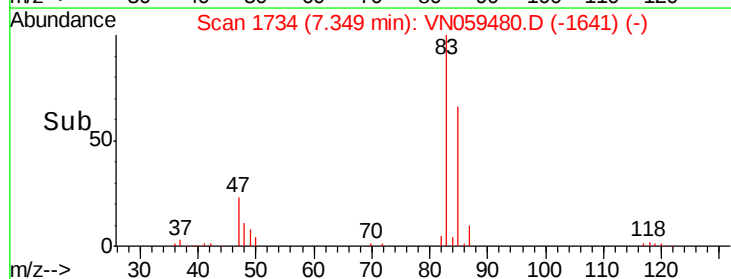
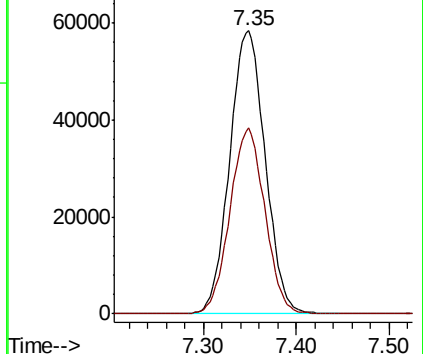
83 100

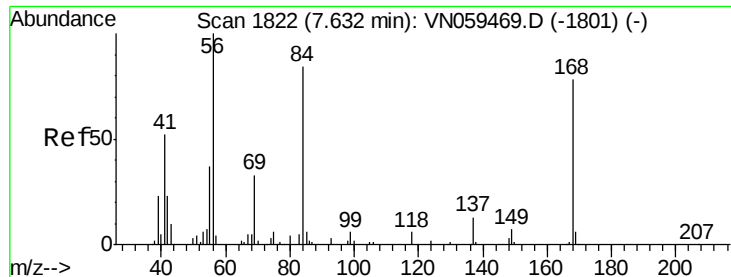
85 65.6 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN059469.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN059469.D (-1713) (-)

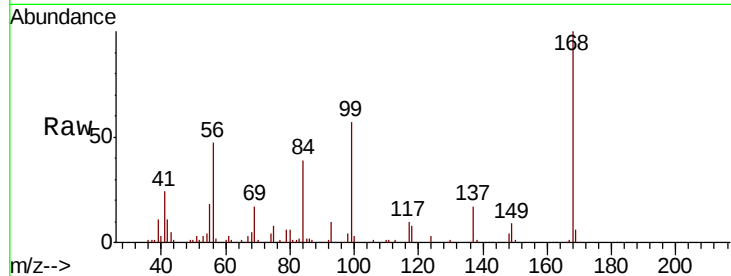




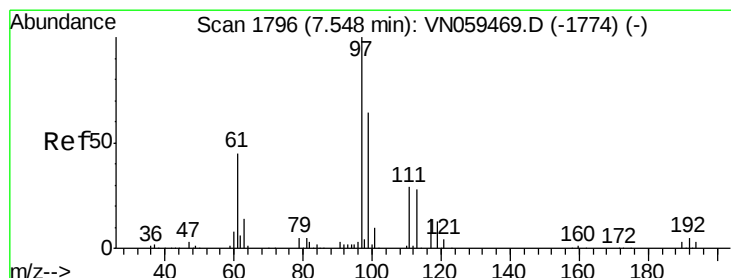
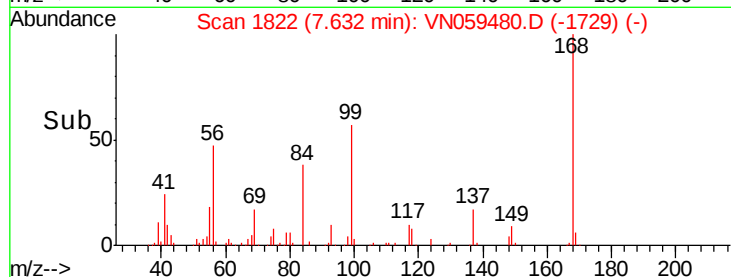
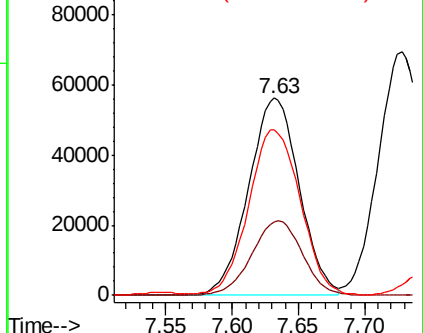
#31
Cyclohexane
Concen: 18.894 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 149211
Ion Ratio Lower Upper
56 100
69 37.0 26.2 39.4
84 83.3 66.8 100.2

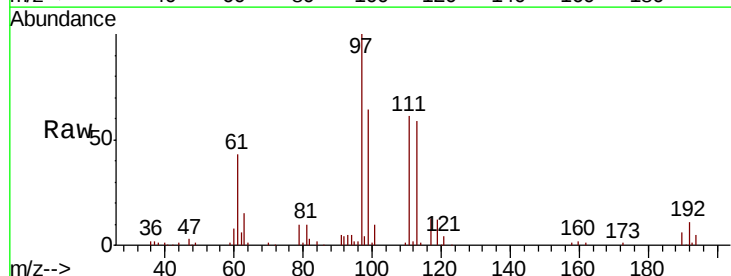


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

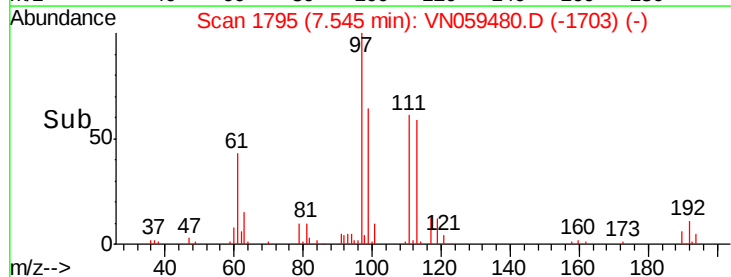
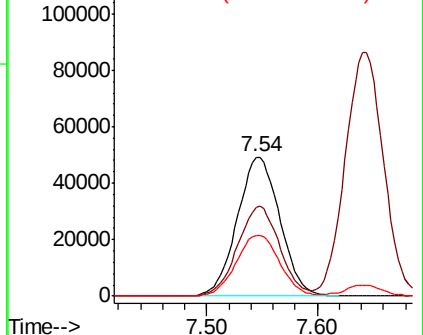


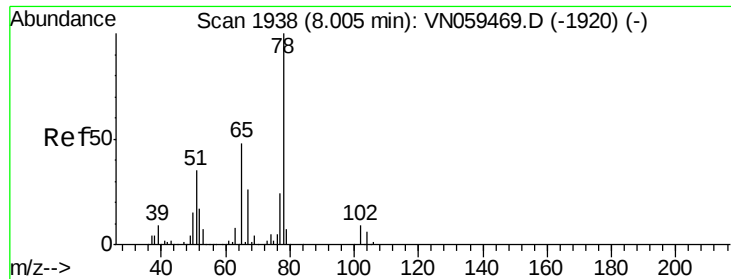
#32
1,1,1-Trichloroethane
Concen: 19.265 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 97 Resp: 131766
Ion Ratio Lower Upper
97 100
99 64.1 51.7 77.5
61 44.7 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

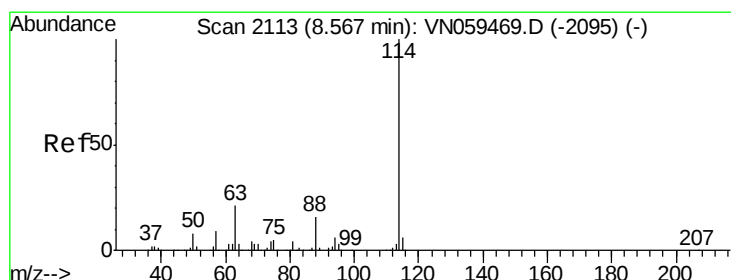
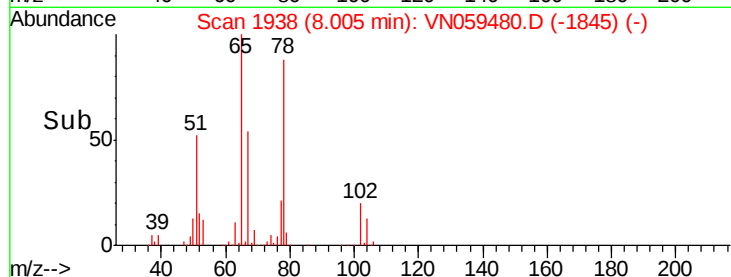
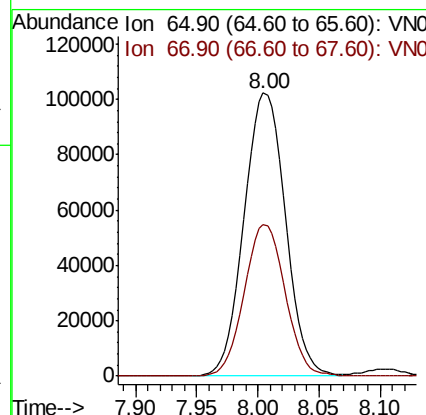
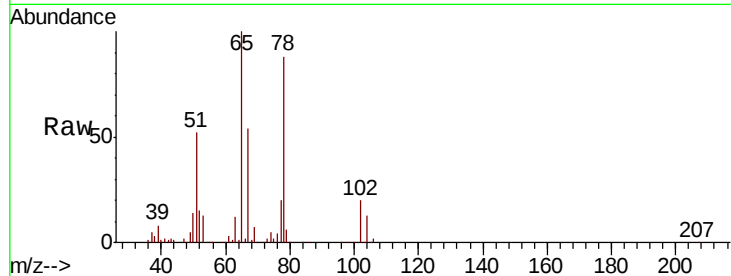




#33
 1,2-Dichloroethane-d4
 Concen: 51.370 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

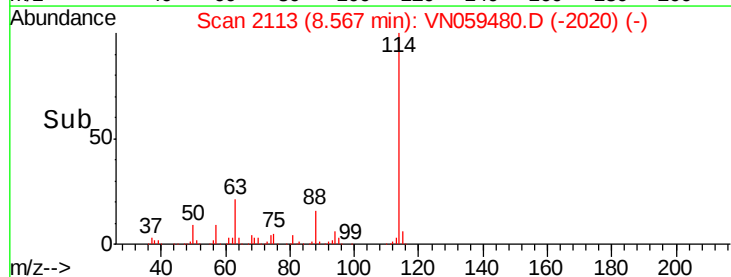
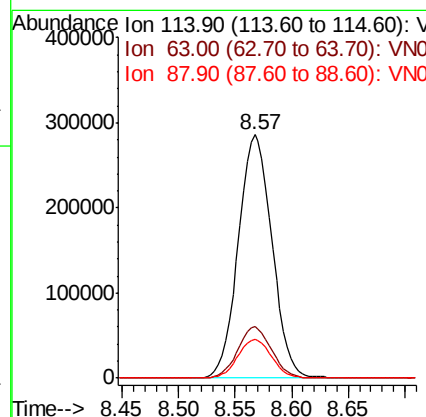
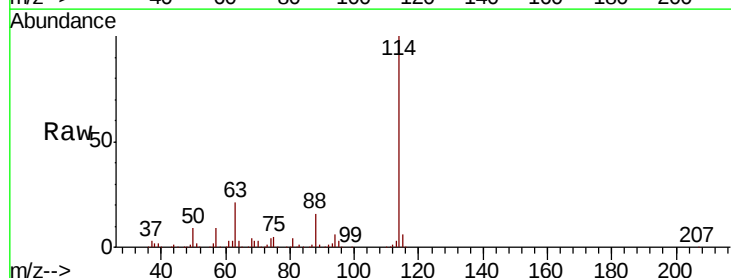
Instrument :
 MSVOA_N
 ClientSampled :

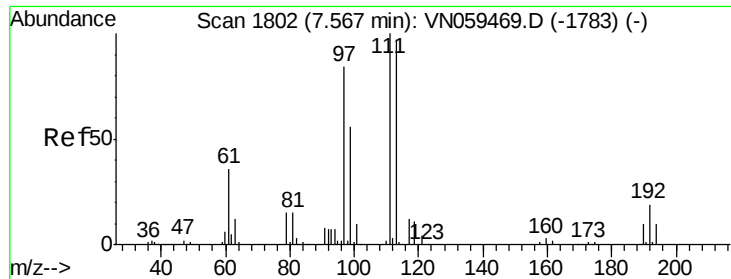
Tot Ion: 65 Resp: 240792
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion: 114 Resp: 593588
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.4
 88 15.7 0.0 32.8

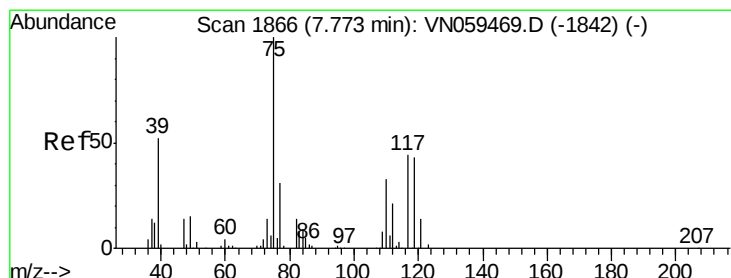
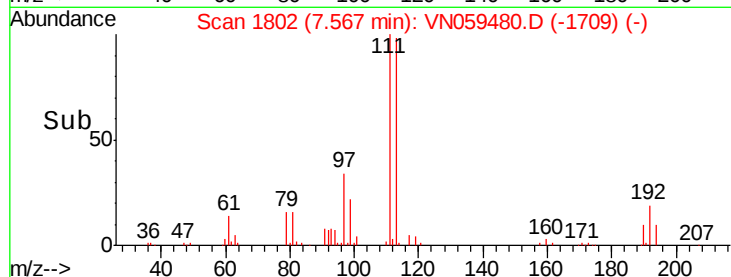
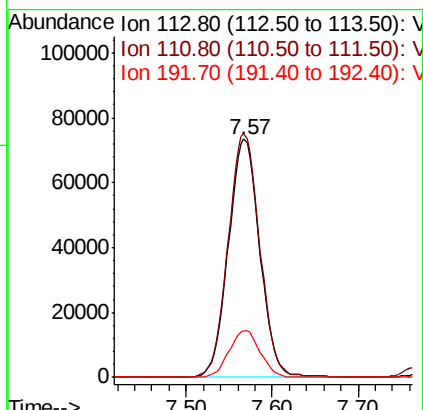
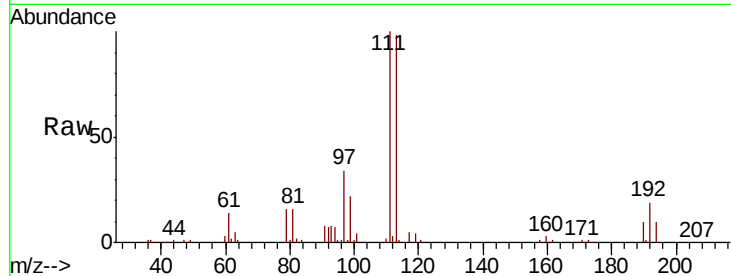




#35
 Dibromofluoromethane
 Concen: 50.190 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

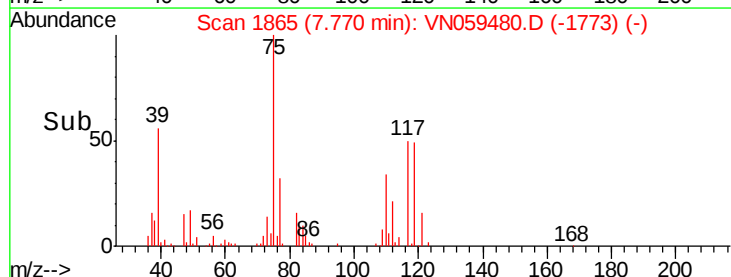
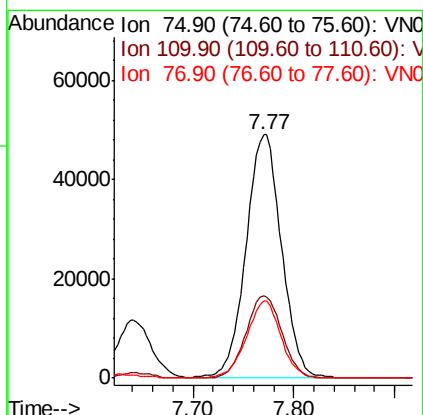
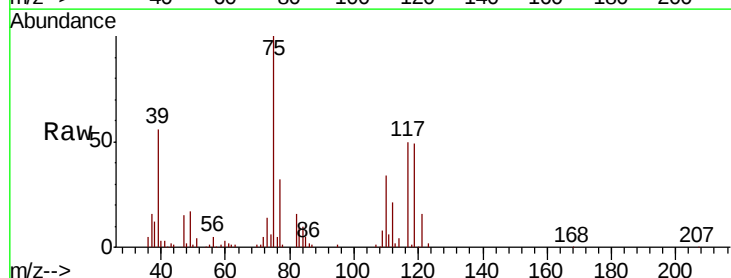
Instrument :
 MSVOA_N
 ClientSampleId :

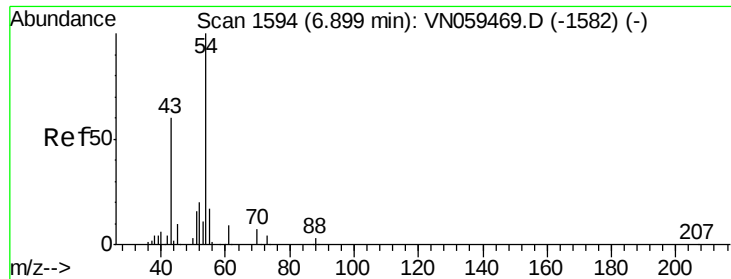
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.5	123.7
192	19.4	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 19.204 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.7
77	31.1	25.1	37.7

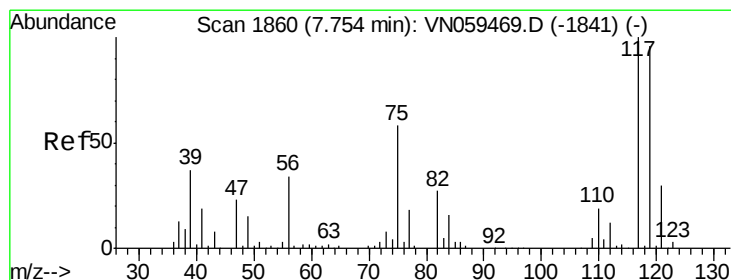
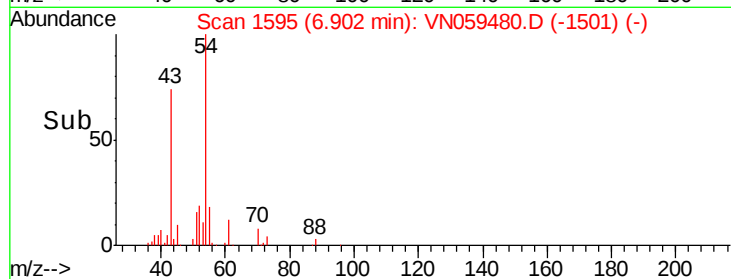
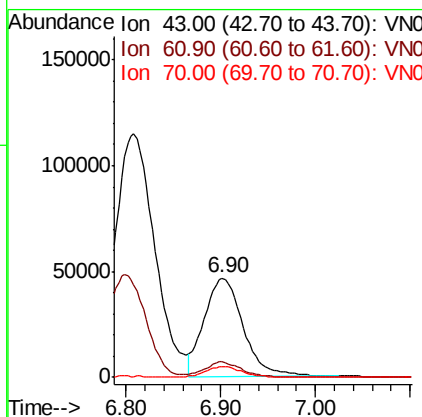
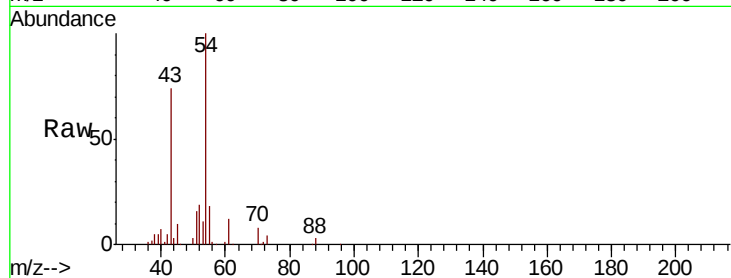




#37
Ethyl Acetate
Concen: 19.355 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

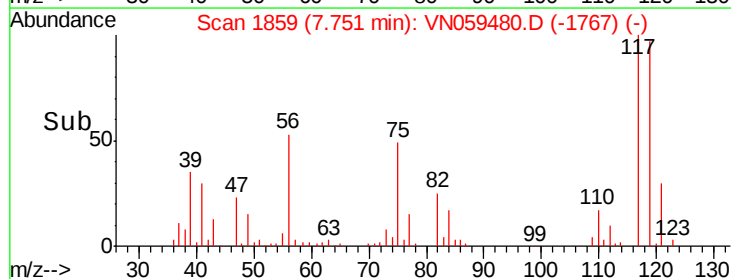
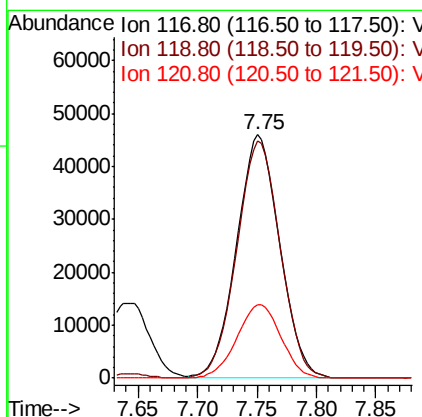
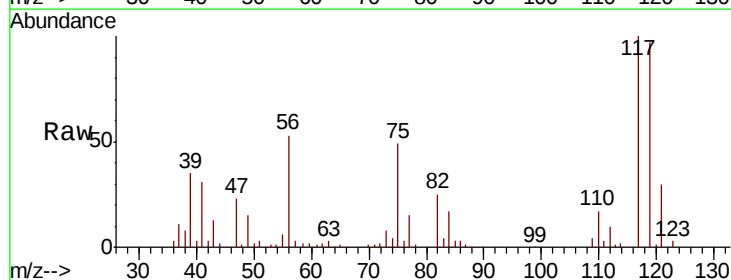
Instrument :
MSVOA_N
ClientSampleId :

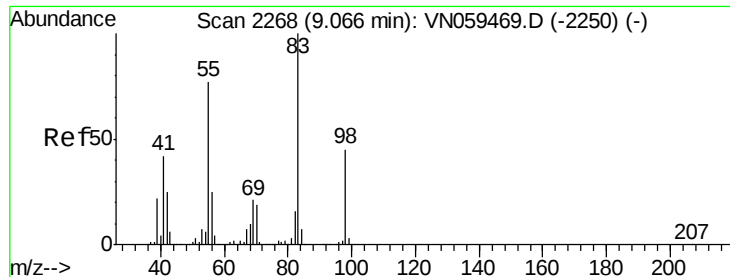
Tot Ion: 43 Resp: 133547
Ion Ratio Lower Upper
43 100
61 15.0 11.3 16.9
70 10.3 8.3 12.5



#38
Carbon Tetrachloride
Concen: 19.439 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 117 Resp: 115487
Ion Ratio Lower Upper
117 100
119 97.2 76.6 114.8
121 30.1 24.0 36.0

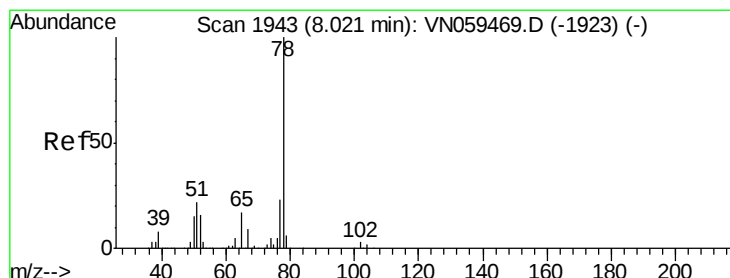
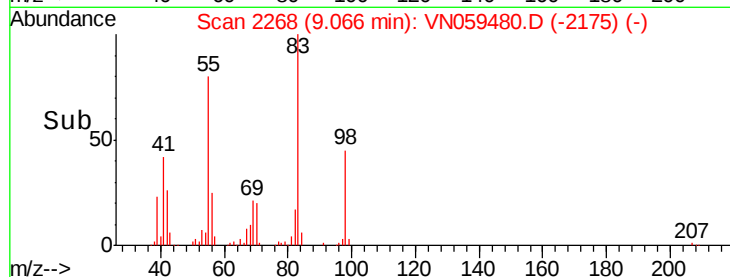
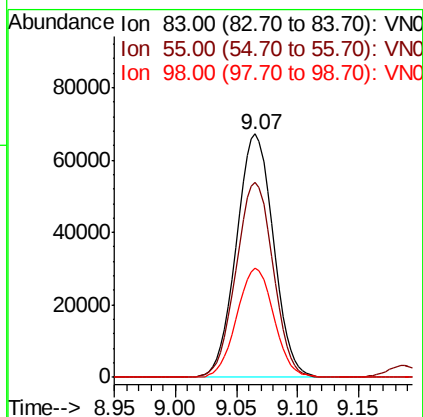
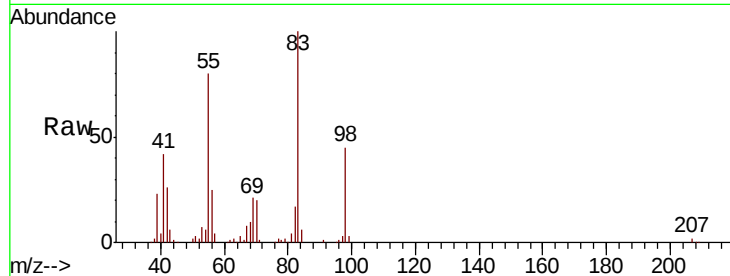




#39
Methvlcvclohexane
Concen: 19.008 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

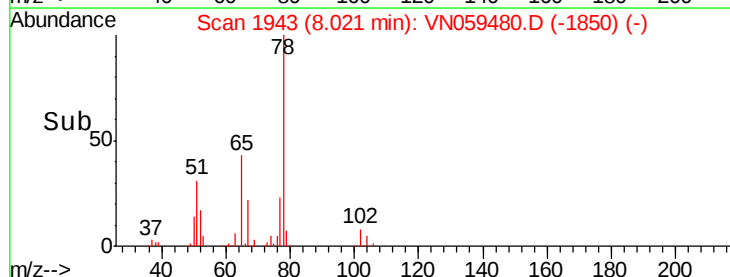
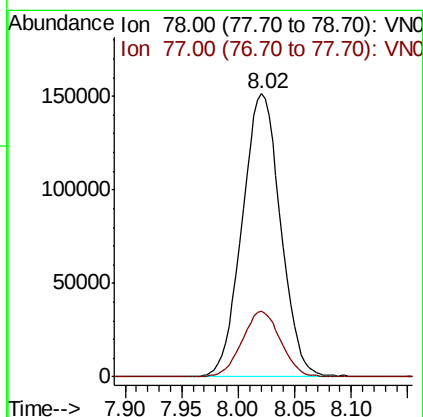
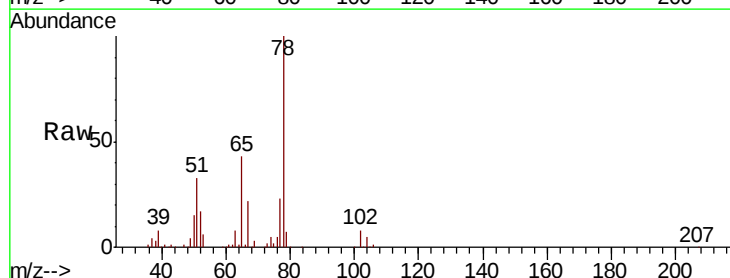
Instrument :
MSVOA_N
ClientSampled :

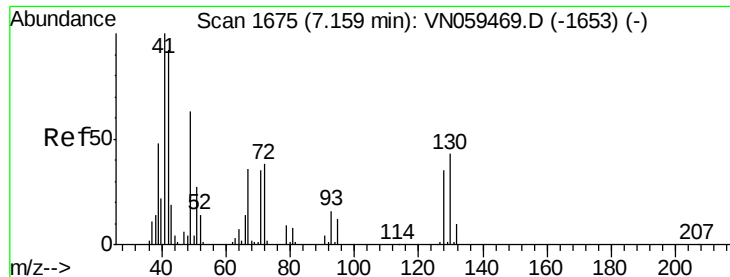
Tot Ion: 83 Resp: 141300
Ion Ratio Lower Upper
83 100
55 79.9 61.8 92.6
98 44.7 36.2 54.2



#40
Benzene
Concen: 19.807 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 78 Resp: 358281
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2

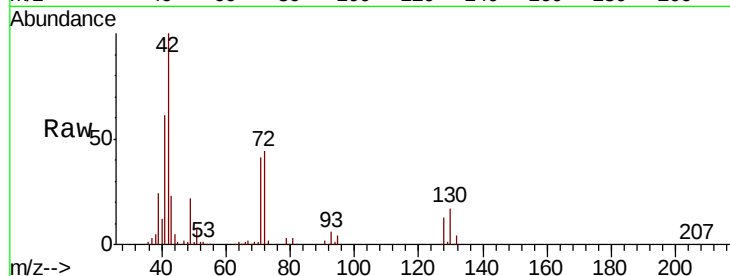




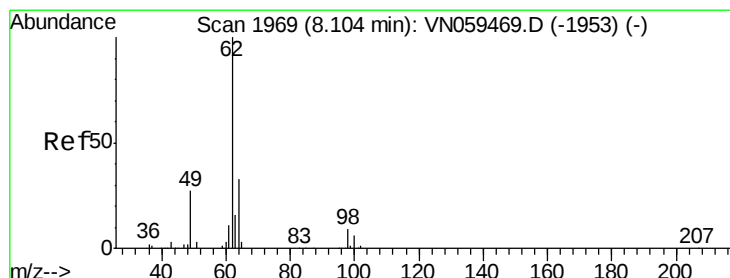
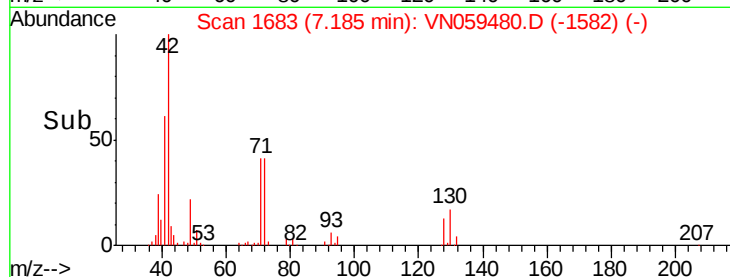
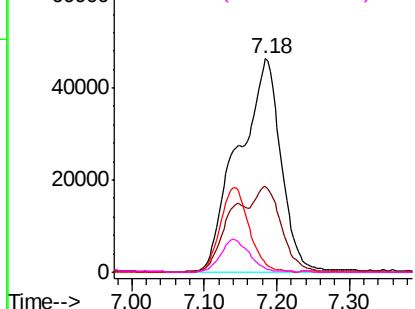
#41
Methacrylonitrile
Concen: 68.222 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	190773
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

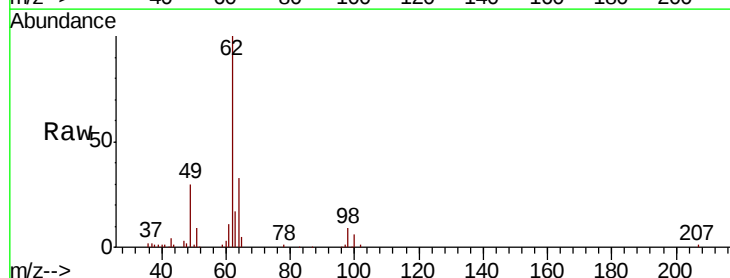


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

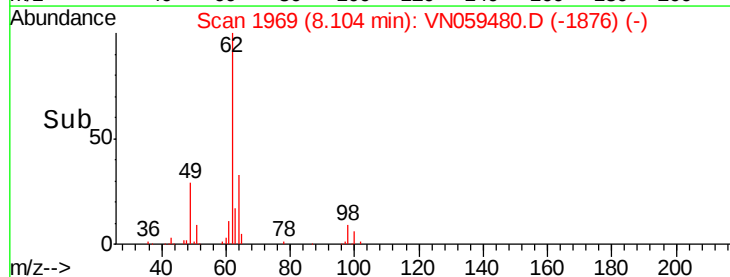
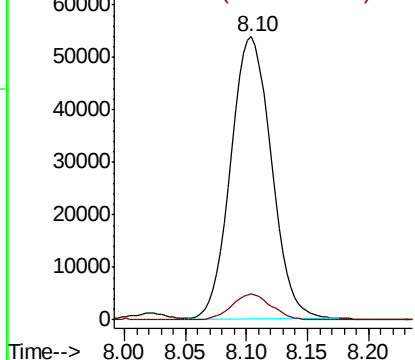


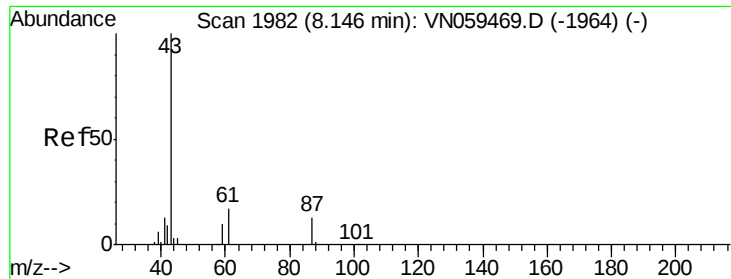
#42
1,2-Dichloroethane
Concen: 20.248 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion:	62	Resp:	124415
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



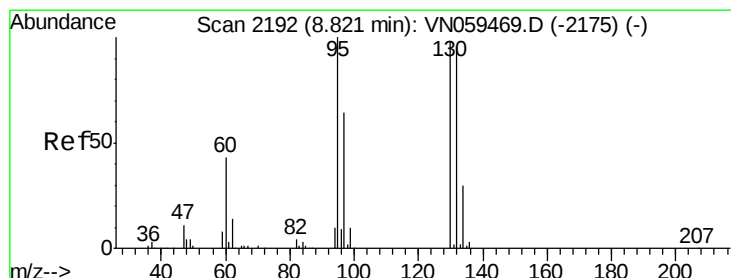
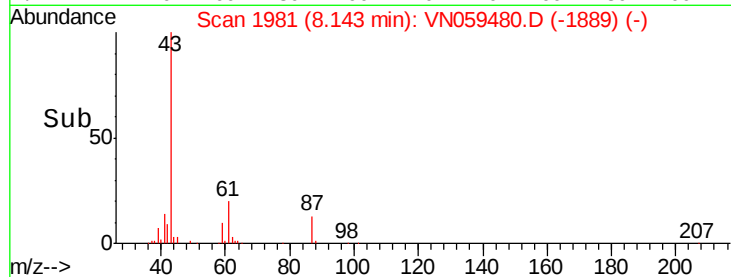
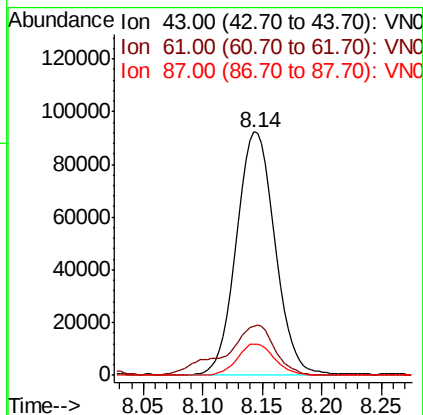
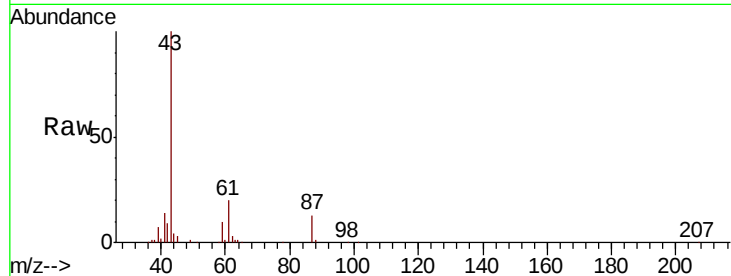


#43

Isopropyl Acetate
 Concen: 20.137 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :

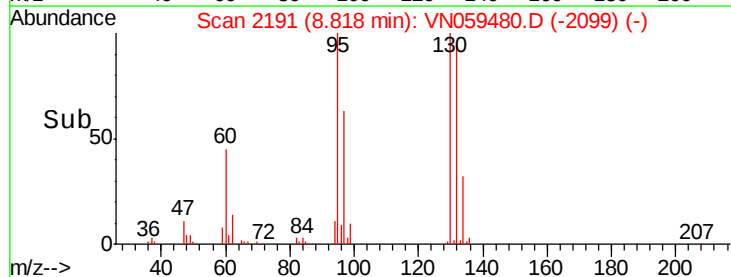
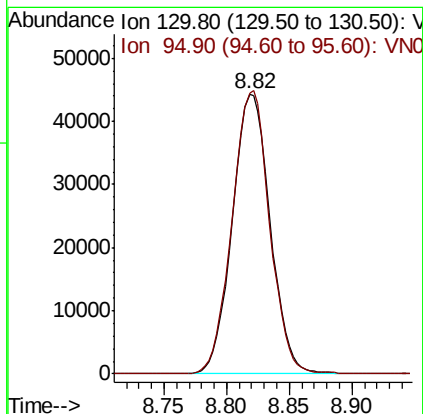
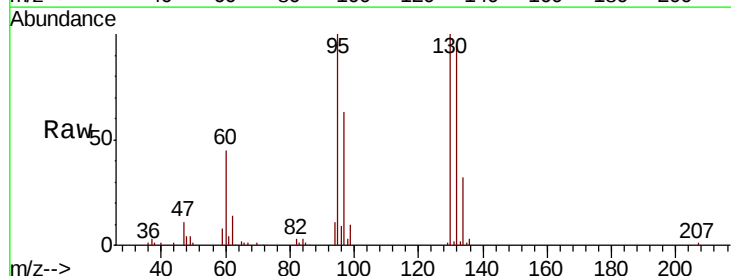
Tot Ion	43	Resp	206647
Ion Ratio	Lower	Upper	
43	100		
61	26.9	21.0	31.6
87	12.6	10.4	15.6

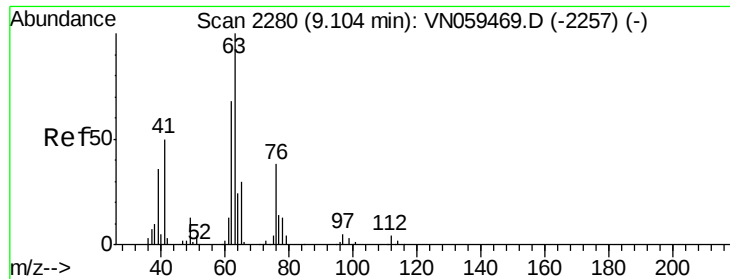


#44

Trichloroethene
 Concen: 19.660 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion	130	Resp	92935
Ion Ratio	Lower	Upper	
130	100		
95	100.5	0.0	203.6





#45

1,2-Dichloropropane

Concen: 20.024 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

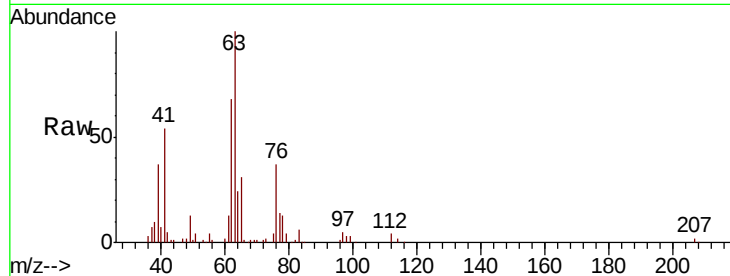
ClientSampled :

Tot Ion: 63 Resp: 96769

Ion Ratio Lower Upper

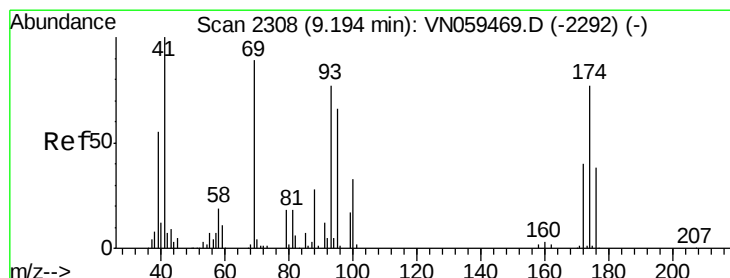
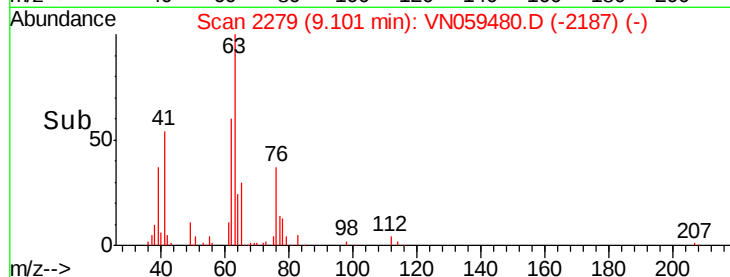
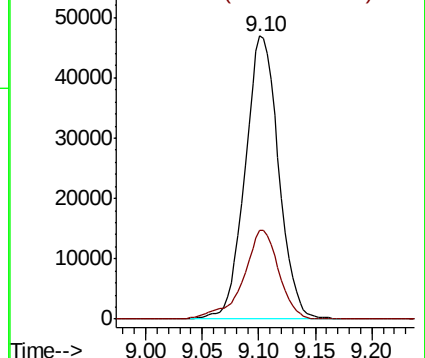
63 100

65 31.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.917 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

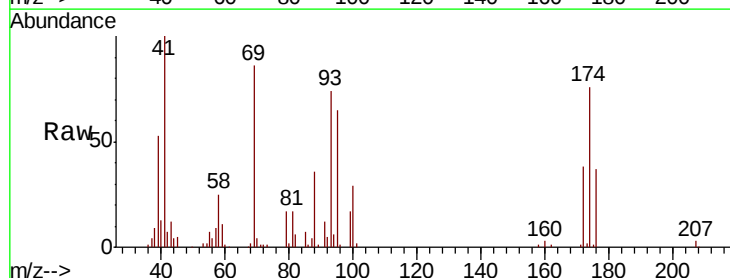
Tgt Ion: 93 Resp: 59924

Ion Ratio Lower Upper

93 100

95 85.0 67.0 100.6

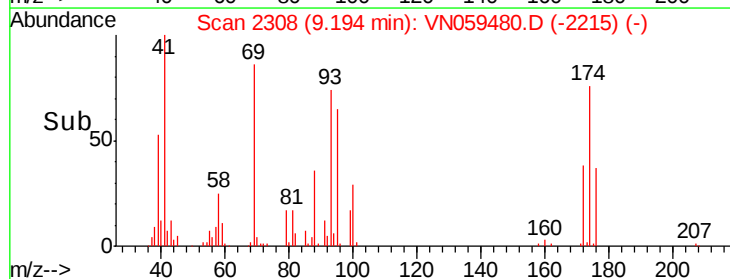
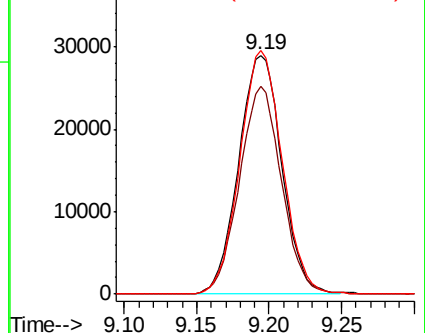
174 100.1 79.6 119.4

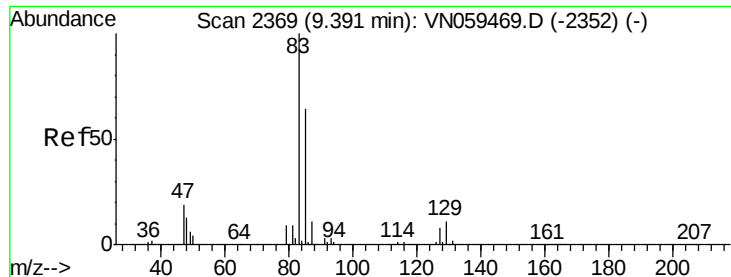


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

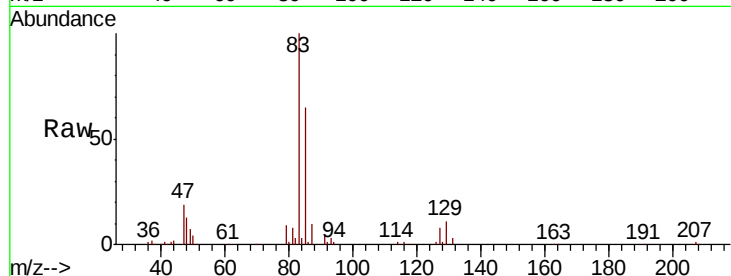




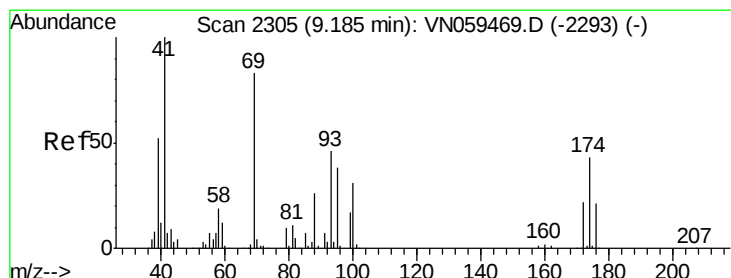
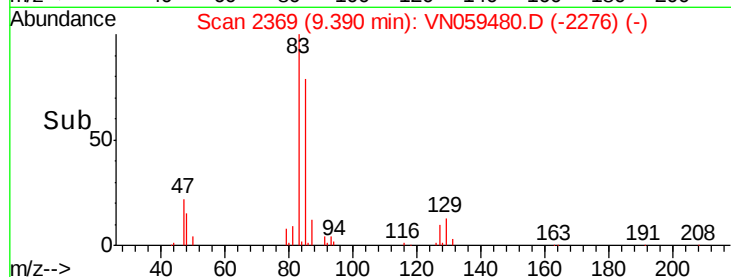
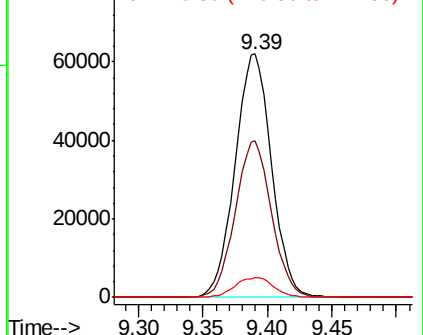
#47
Bromodichloromethane
Concen: 20.179 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 121734
Ion Ratio Lower Upper
83 100
85 64.6 51.0 76.6
127 8.0 6.6 9.8

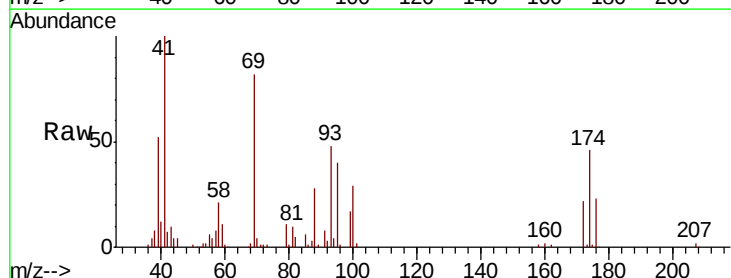


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

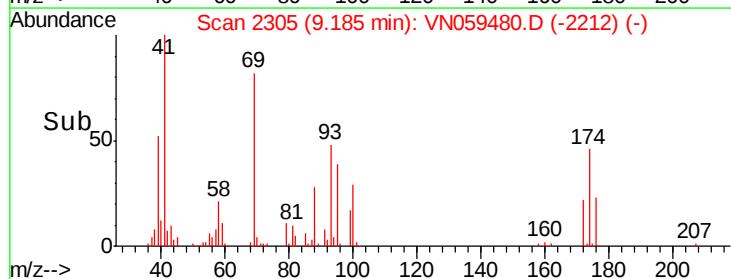
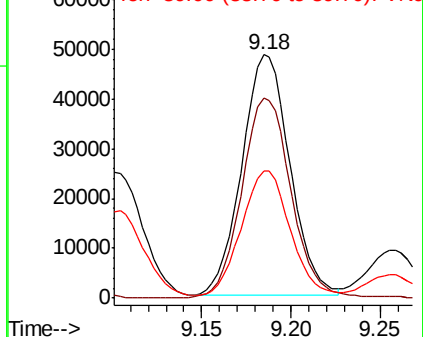


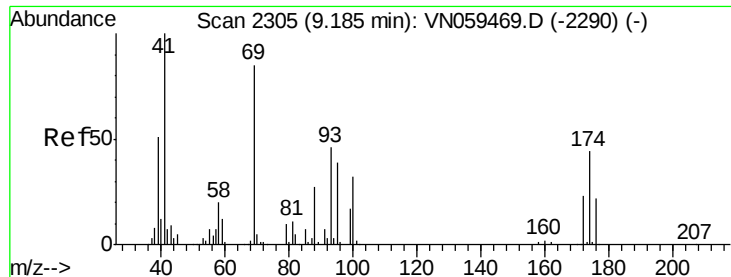
#48
Methyl methacrylate
Concen: 19.655 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 41 Resp: 91002
Ion Ratio Lower Upper
41 100
69 85.4 68.6 103.0
39 54.2 43.2 64.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

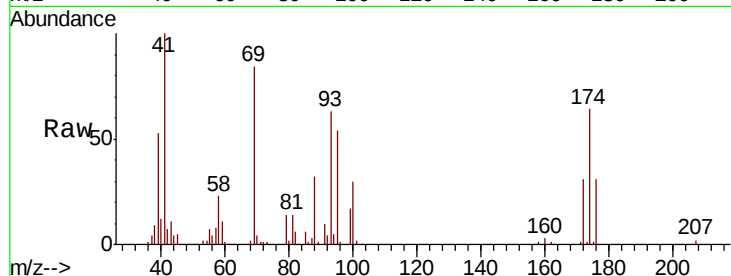




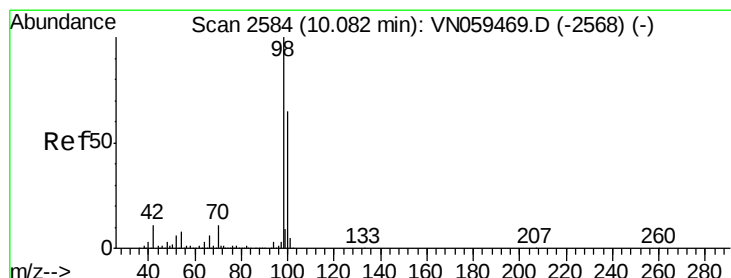
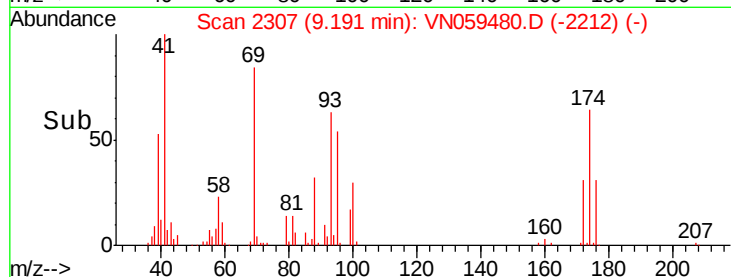
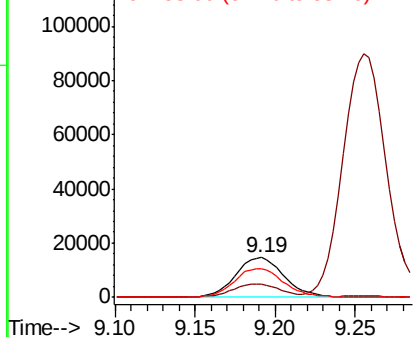
#49
1,4-Dioxane
Concen: 434.987 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 30474
Ion Ratio Lower Upper
88 100
43 34.2 27.1 40.7
58 73.1 57.8 86.6

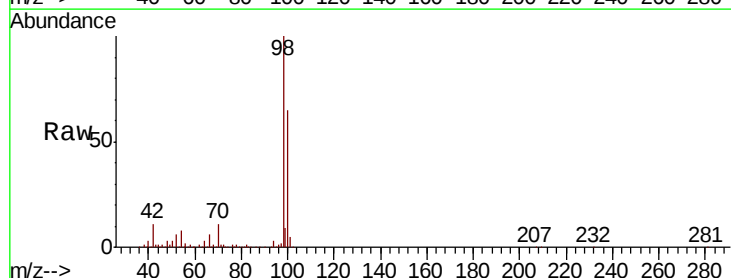


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

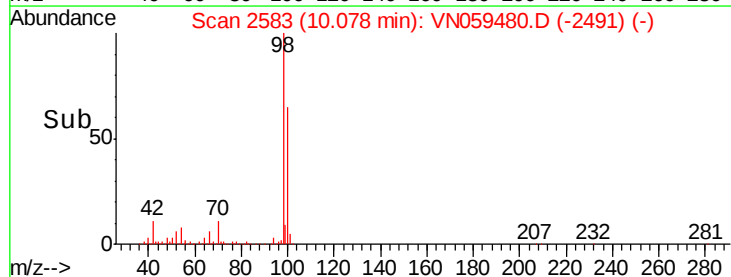
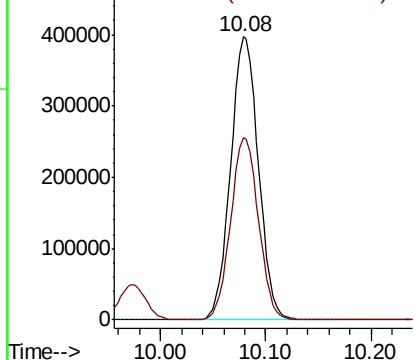


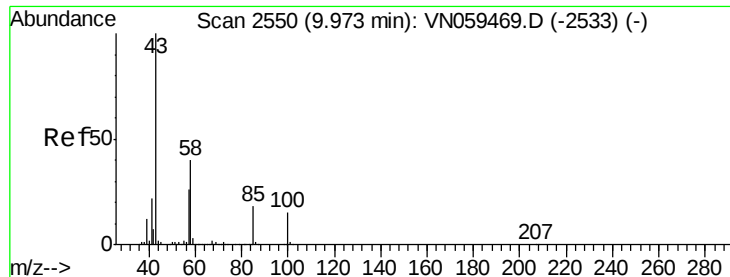
#50
Toluene-d8
Concen: 49.535 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 98 Resp: 722048
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

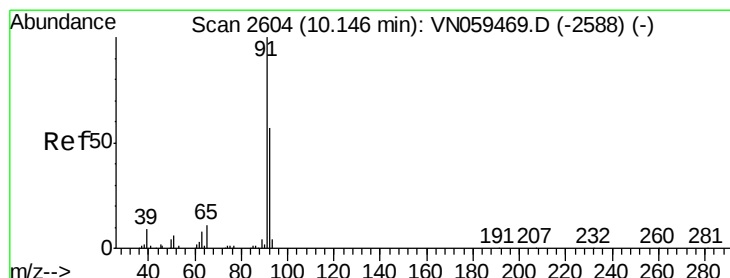
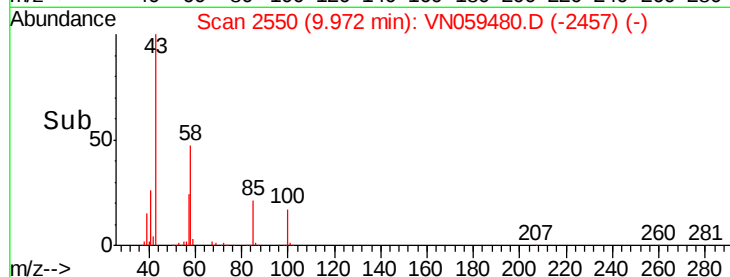
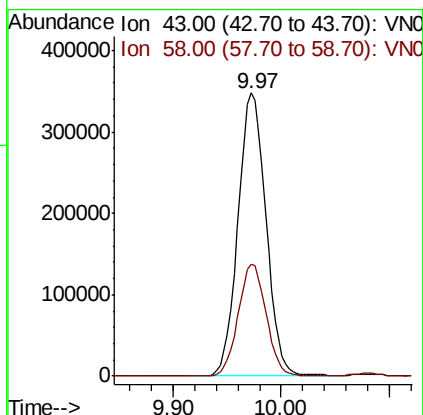
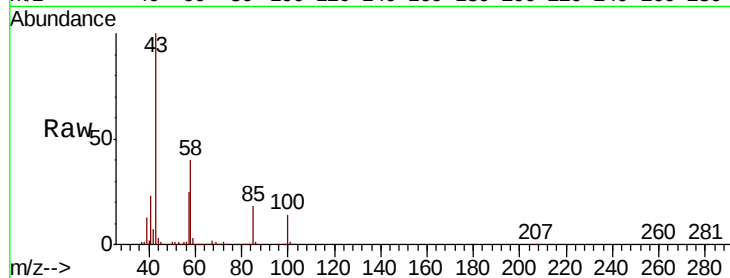




#51
4-Methyl-2-Pentanone
Concen: 103.510 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

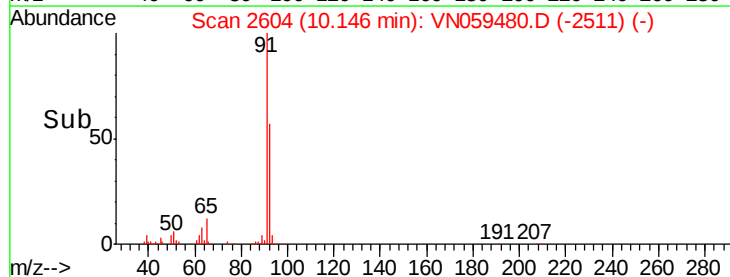
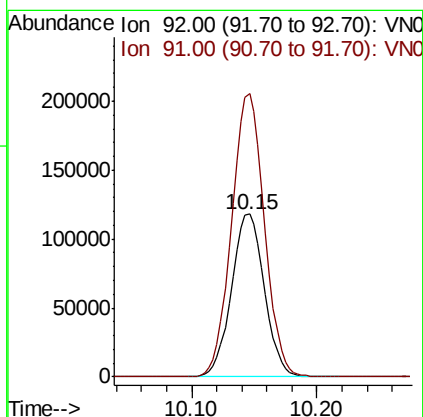
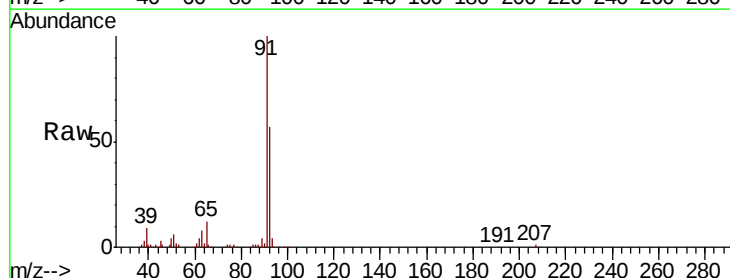
Instrument :
MSVOA_N
ClientSampleId :

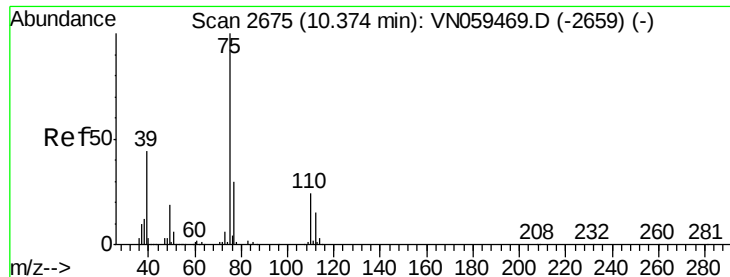
Tot Ion: 43 Resp: 630534
Ion Ratio Lower Upper
43 100
58 39.3 32.1 48.1



#52
Toluene
Concen: 19.632 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 92 Resp: 214770
Ion Ratio Lower Upper
92 100
91 173.7 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 19.769 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

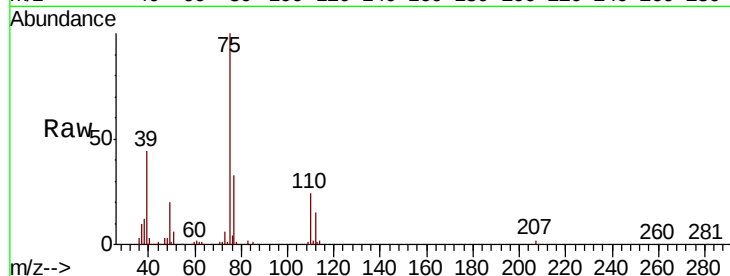
ClientSampleId :

Tot Ion: 75 Resp: 140336

Ion Ratio Lower Upper

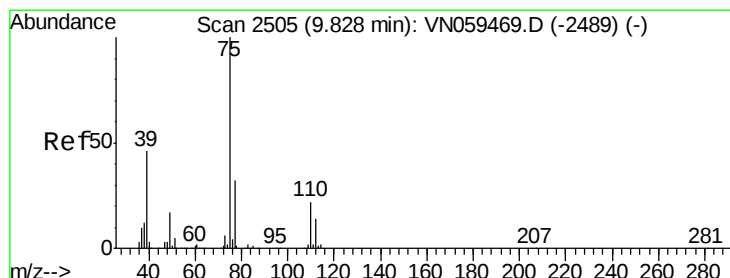
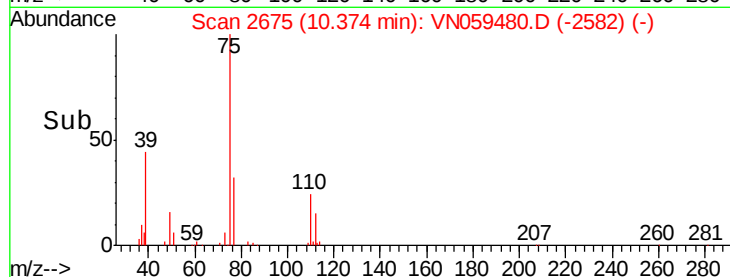
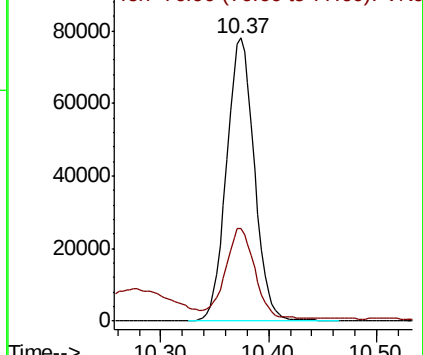
75 100

77 31.8 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.067 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

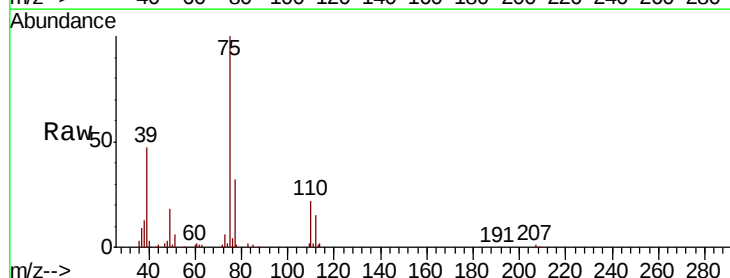
Tgt Ion: 75 Resp: 150989

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

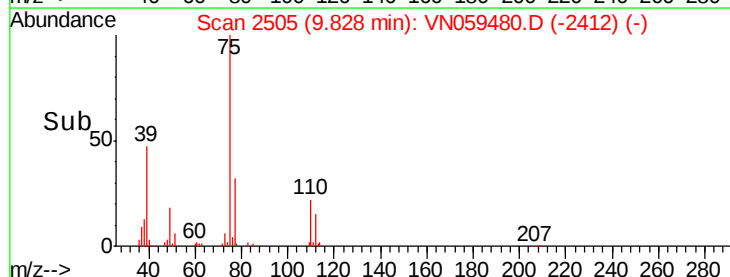
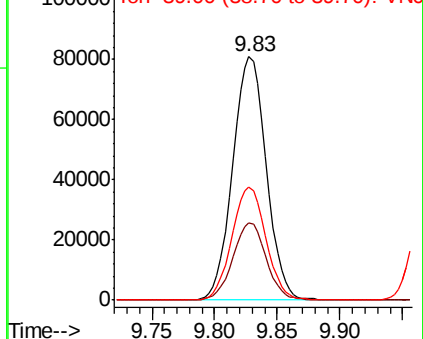
39 46.5 36.6 54.8

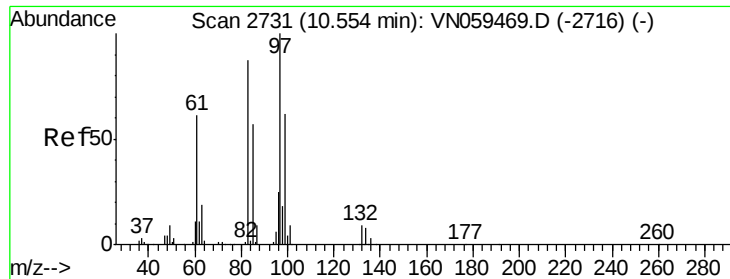


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

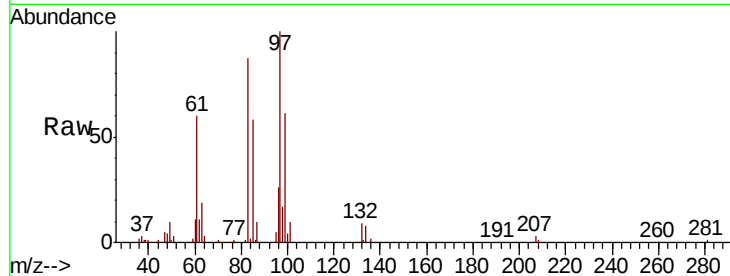




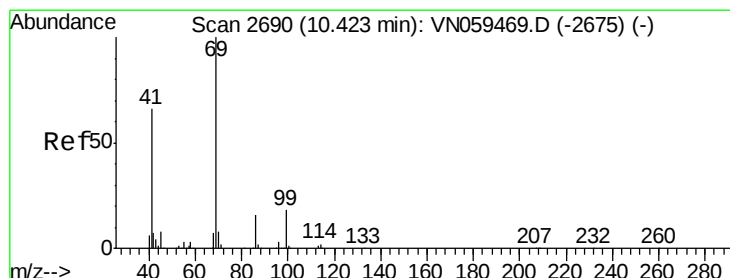
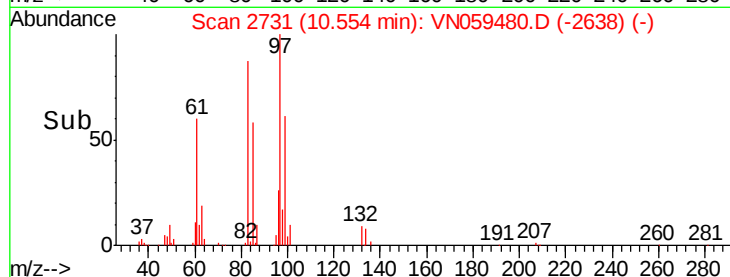
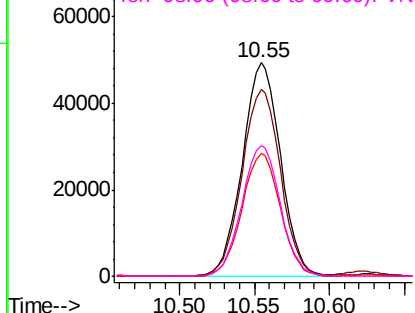
#55
 1,1,2-Trichloroethane
 Concen: 20.376 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	87874
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.8
85	57.6	45.5	68.3
99	61.4	50.0	75.0

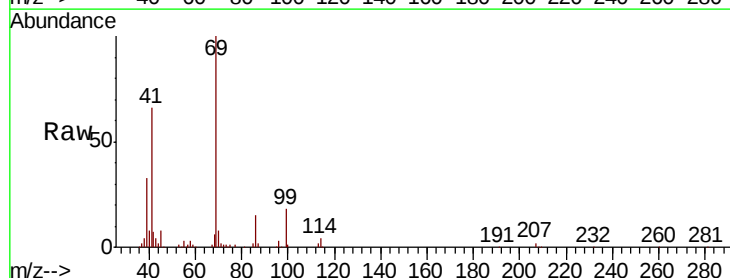


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

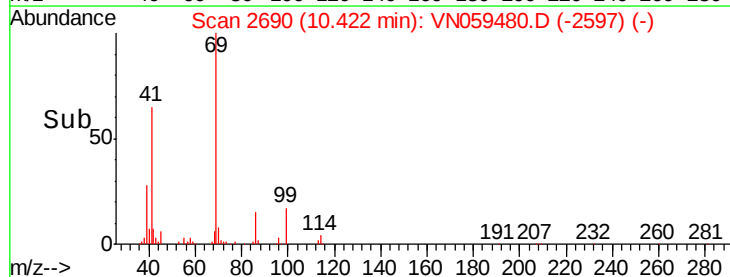
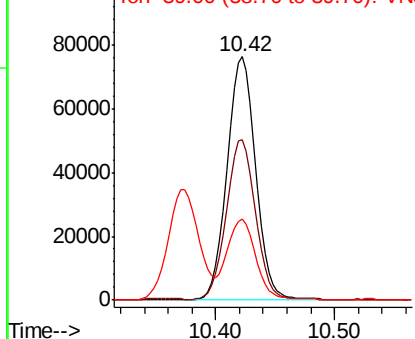


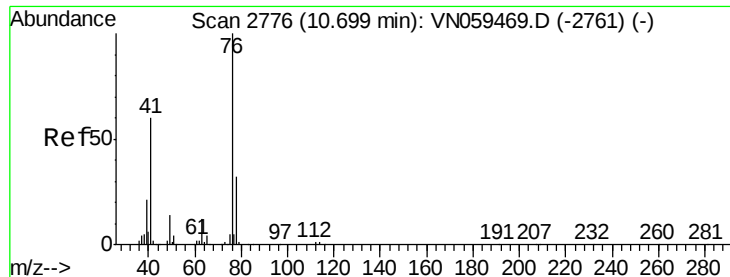
#56
 Ethyl methacrylate
 Concen: 19.168 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion:	69	Resp:	127391
Ion	Ratio	Lower	Upper
69	100		
41	66.4	52.7	79.1
39	33.2	25.0	37.6



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.303 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

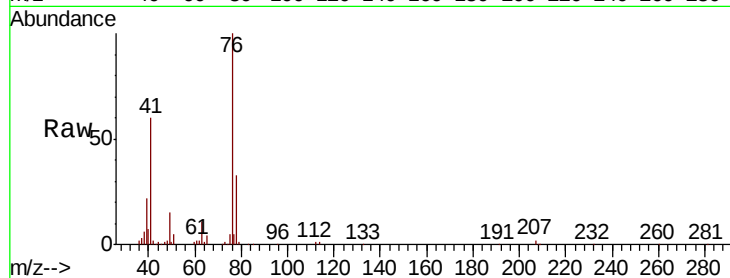
ClientSampleId :

Tot Ion: 76 Resp: 151413

Ion Ratio Lower Upper

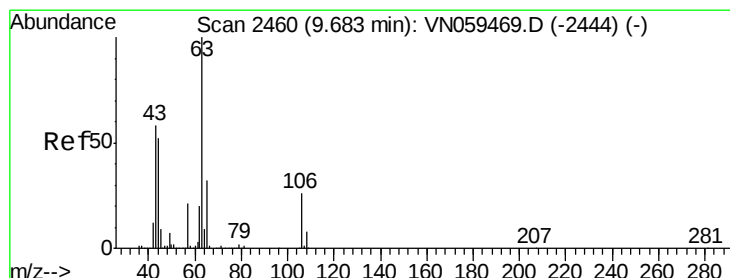
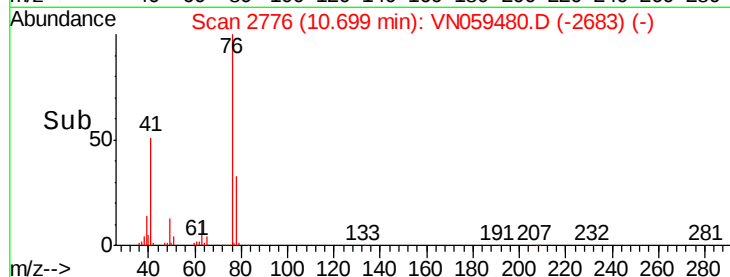
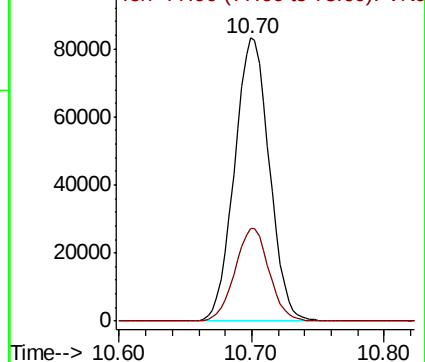
76 100

78 32.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 105.217 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059480.D

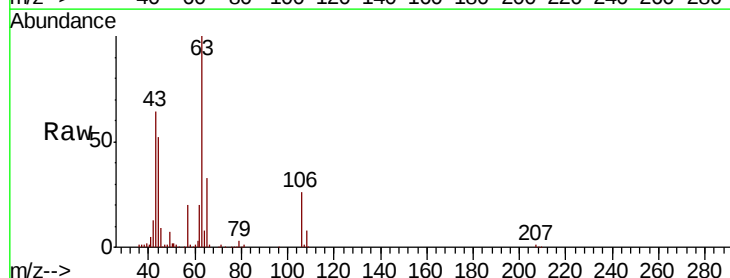
Acq: 4 Dec 2019 12:08

Tgt Ion: 63 Resp: 227276

Ion Ratio Lower Upper

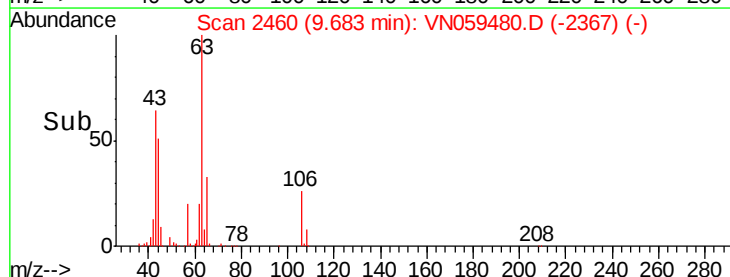
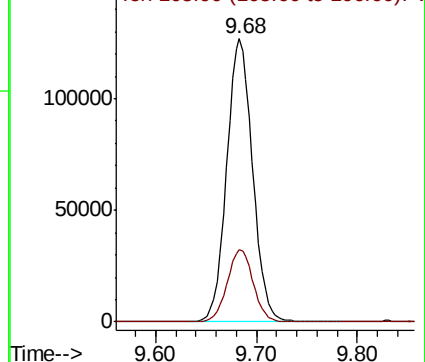
63 100

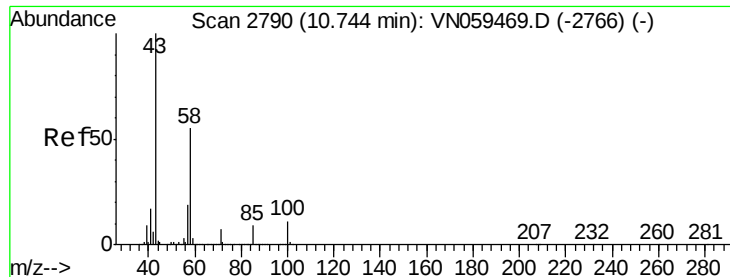
106 25.6 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

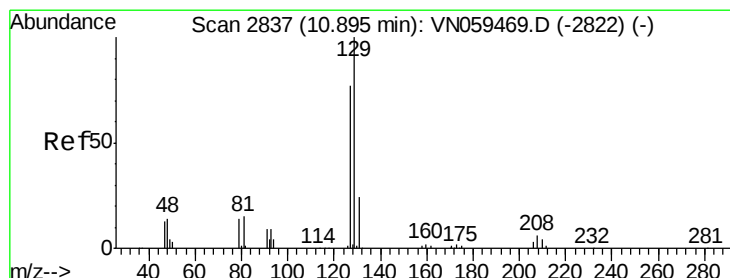
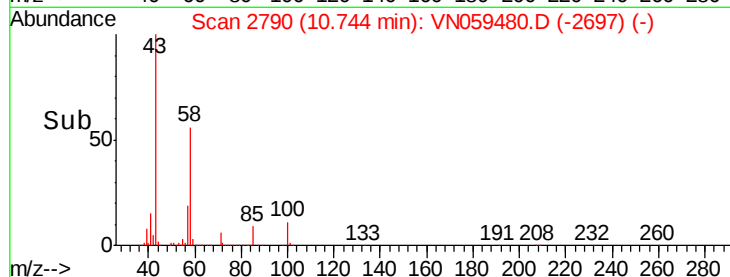
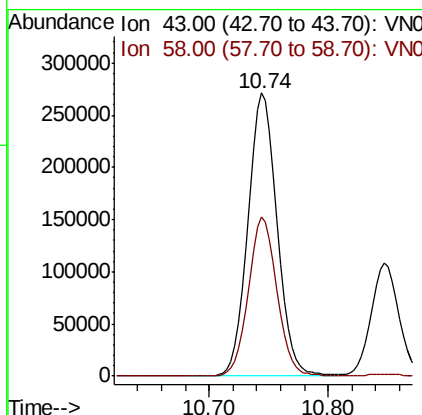
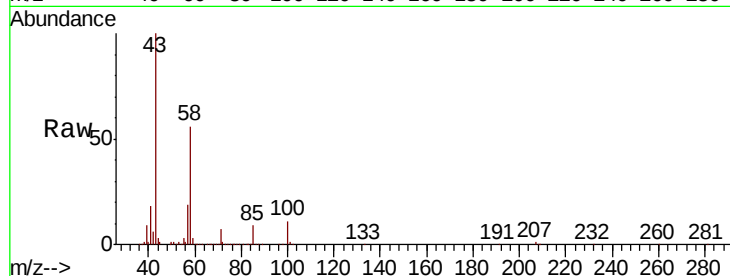




#59
2-Hexanone
Concen: 100.324 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

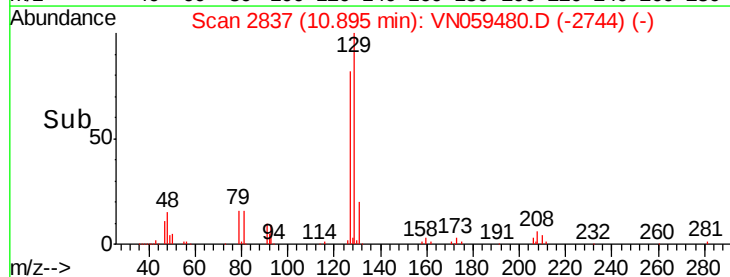
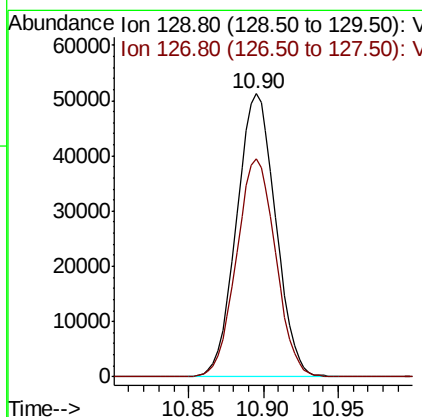
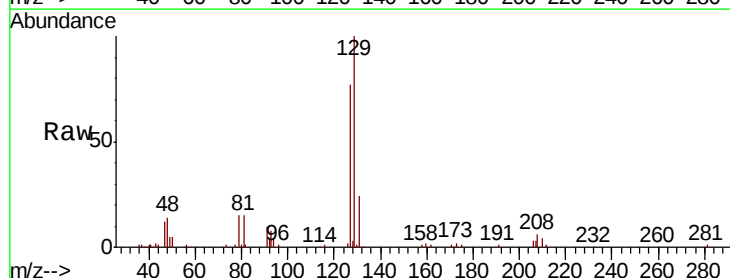
Instrument :
MSVOA_N
ClientSampleId :

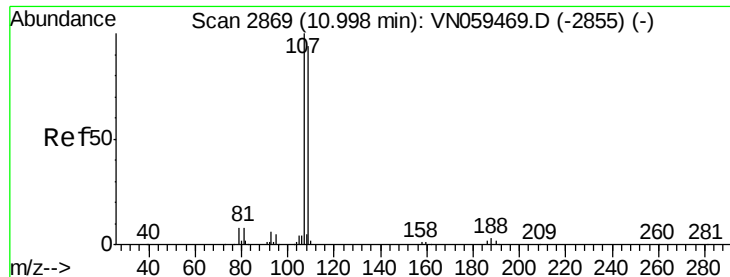
Tot Ion: 43 Resp: 459917
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.0



#60
Dibromochloromethane
Concen: 20.221 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion: 129 Resp: 93111
Ion Ratio Lower Upper
129 100
127 77.2 39.0 116.9

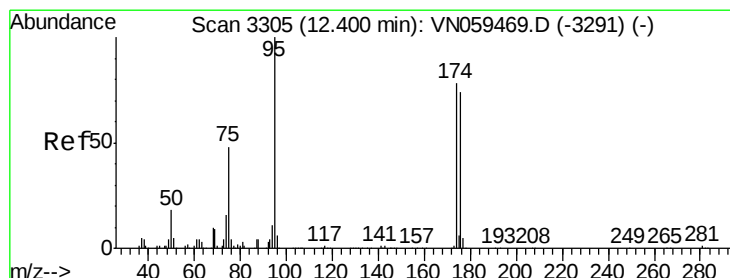
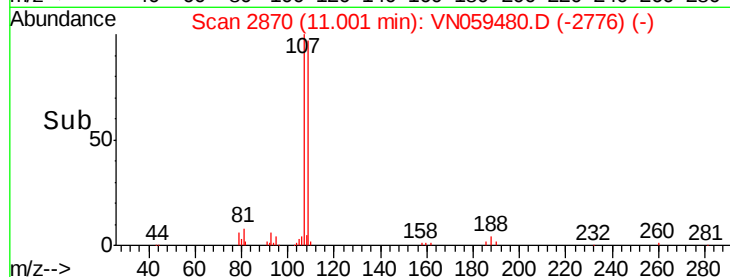
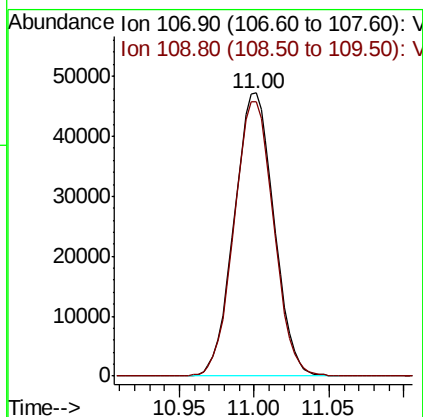
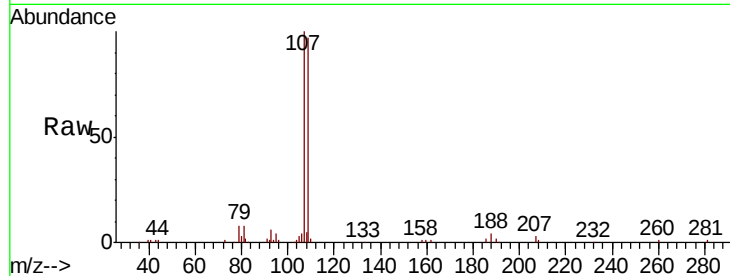




#61
 1,2-Dibromoethane
 Concen: 19.584 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

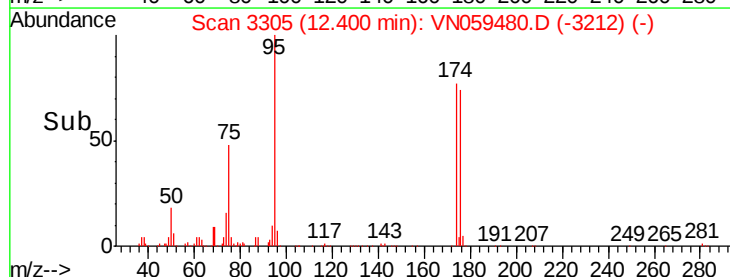
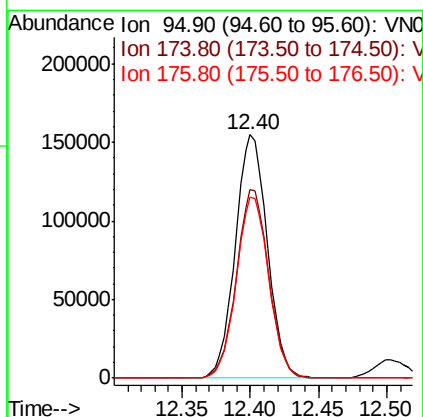
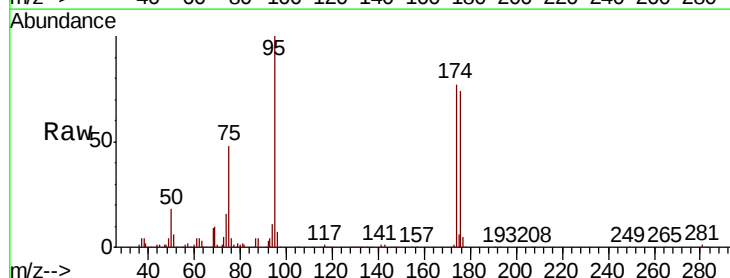
Instrument :
 MSVOA_N
 ClientSampled :

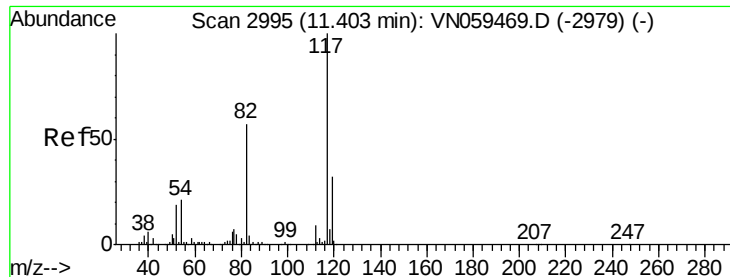
Tot Ion: 107 Resp: 87272
 Ion Ratio Lower Upper
 107 100
 109 96.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.655 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion: 95 Resp: 252773
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 157.0
 176 75.3 0.0 152.4

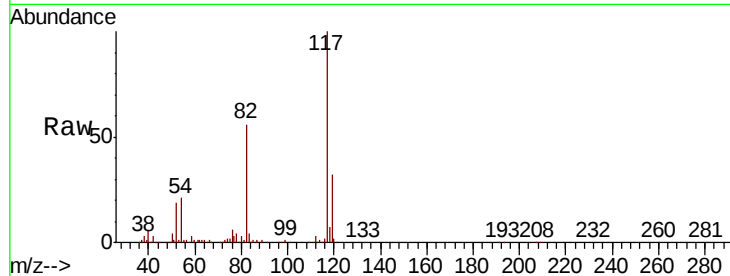




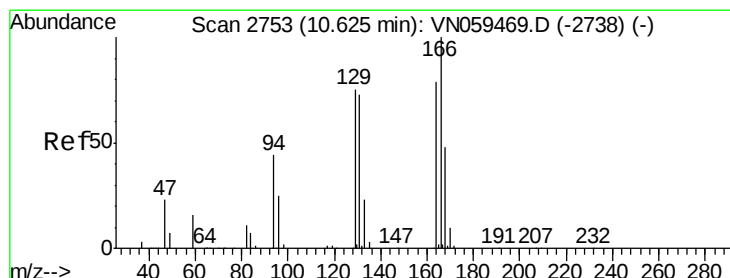
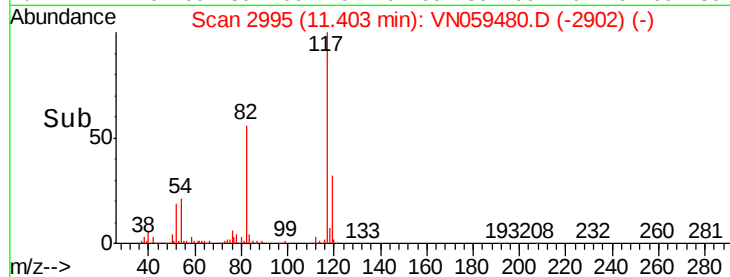
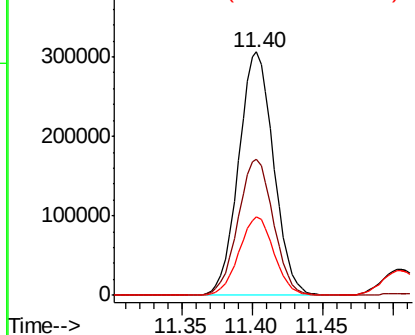
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 532614
Ion Ratio Lower Upper
117 100
82 56.0 45.8 68.8
119 32.1 25.4 38.0

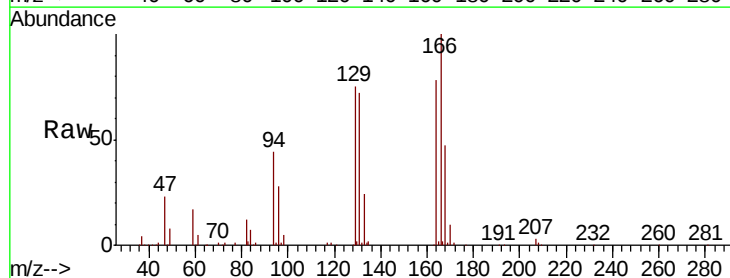


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

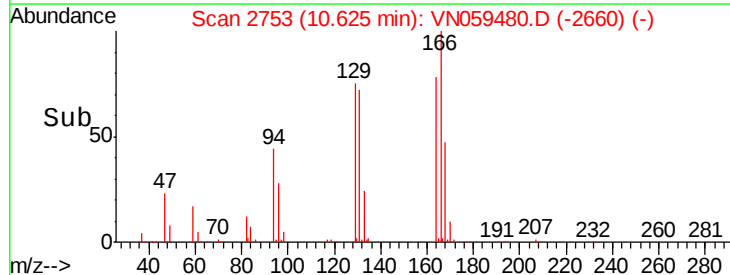
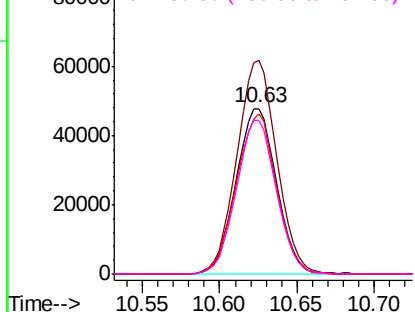


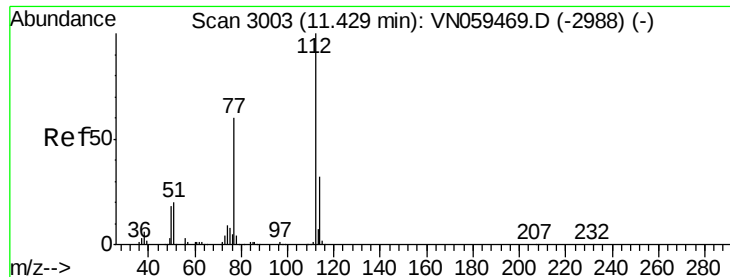
#64
Tetrachloroethene
Concen: 19.157 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion:164 Resp: 86790
Ion Ratio Lower Upper
164 100
166 128.9 101.2 151.8
129 96.4 76.1 114.1
131 92.6 73.7 110.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

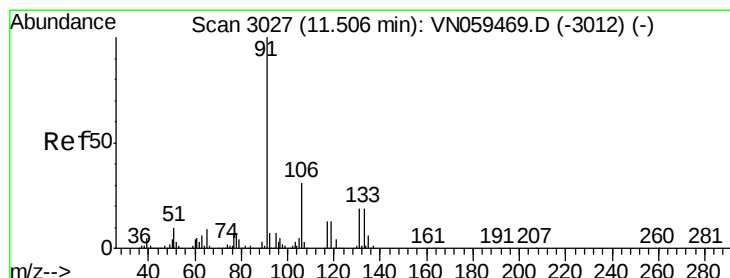
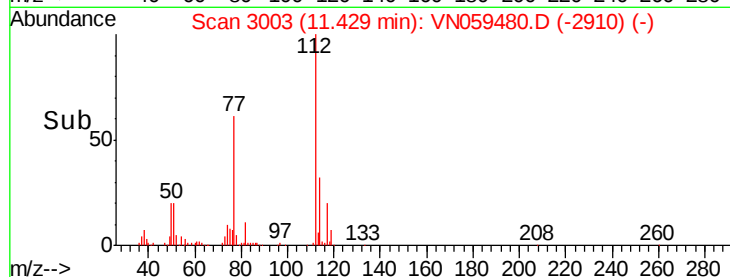
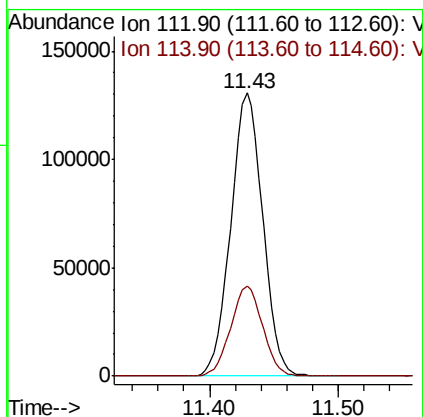
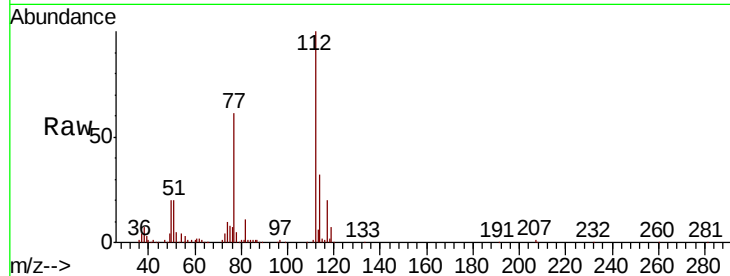




#65
Chlorobenzene
Concen: 19.315 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

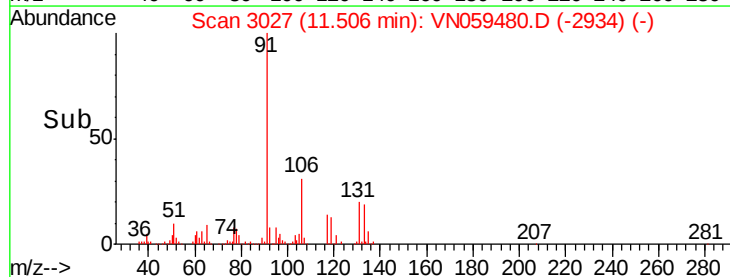
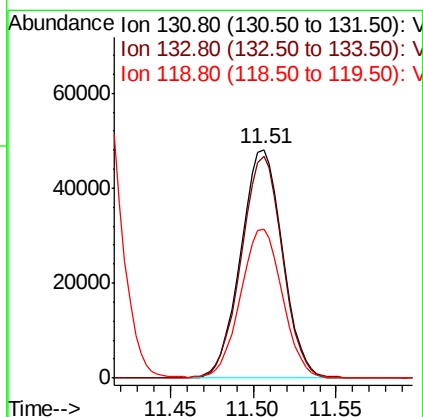
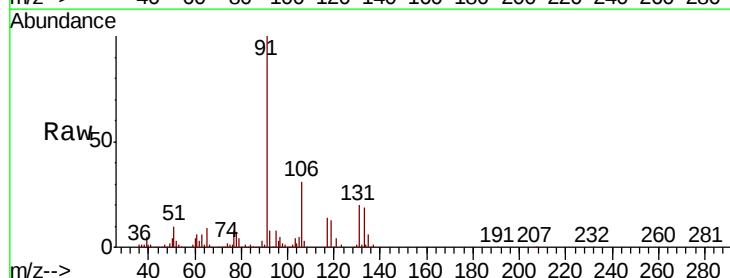
Instrument :
MSVOA_N
ClientSampled :

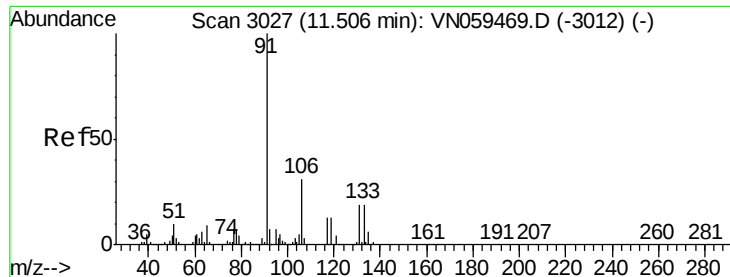
Tot Ion:112 Resp: 224893
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.188 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion:131 Resp: 84462
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.0
119 65.7 33.9 101.6





#67

Ethyl Benzene

Concen: 19.739 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

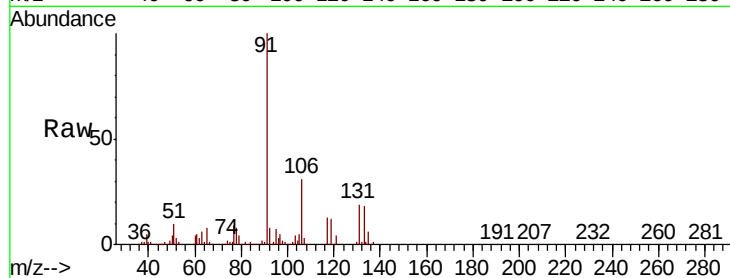
ClientSampled :

Tot Ion: 91 Resp: 402668

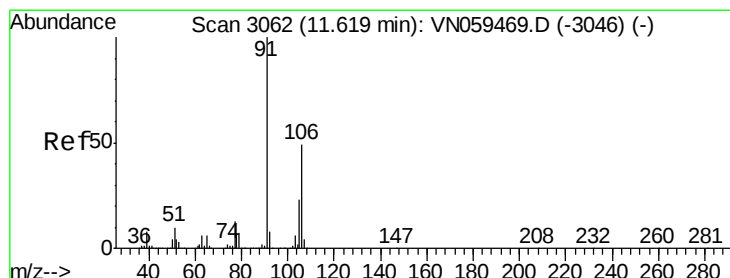
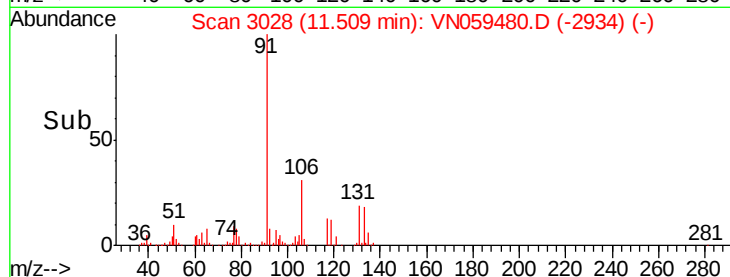
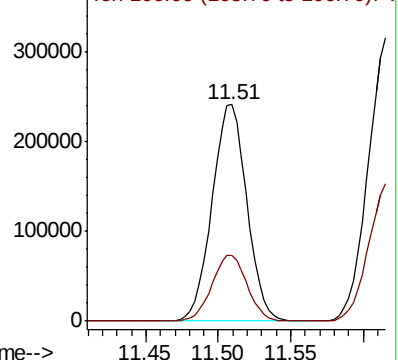
Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN059469.D (-3012) (-)



#68

m/p-Xylenes

Concen: 39.316 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059480.D

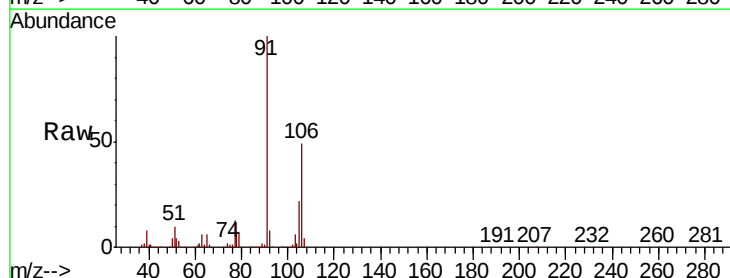
Acq: 4 Dec 2019 12:08

Tgt Ion: 106 Resp: 298648

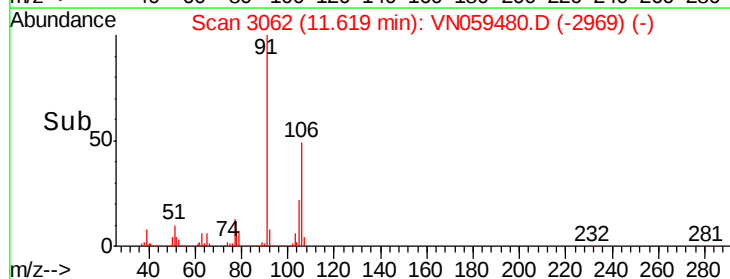
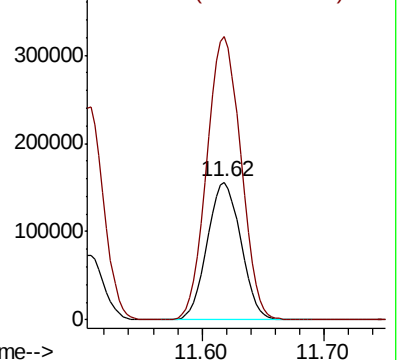
Ion Ratio Lower Upper

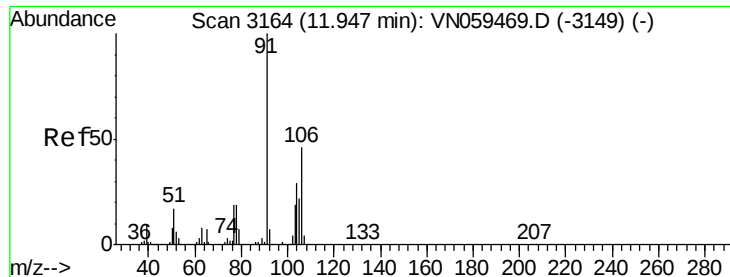
106 100

91 208.2 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN059469.D (-3046) (-)

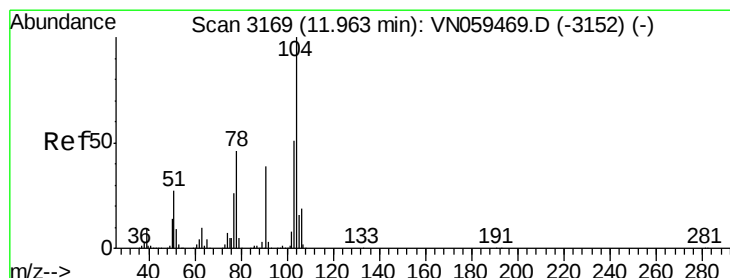
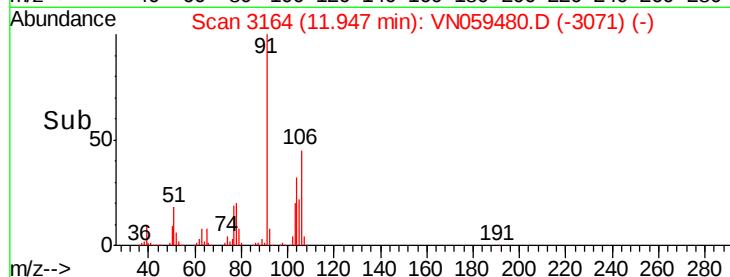
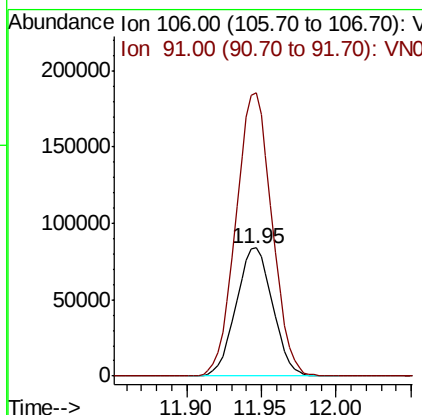
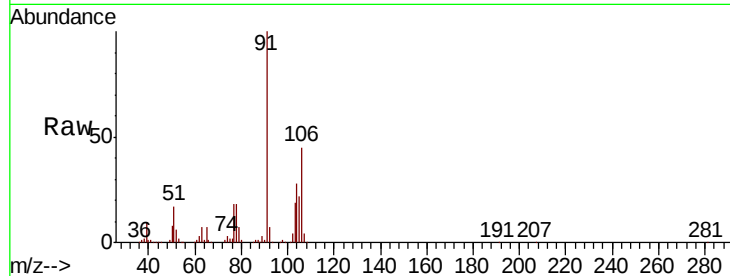




#69
o-Xylene
Concen: 19.704 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

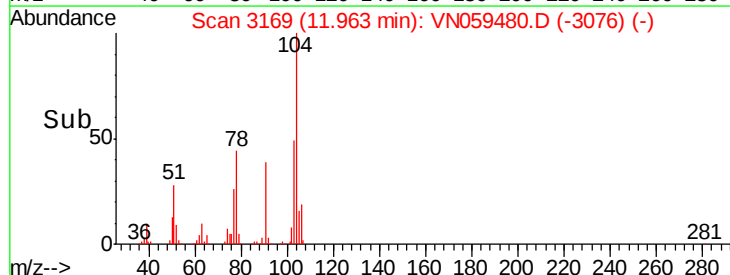
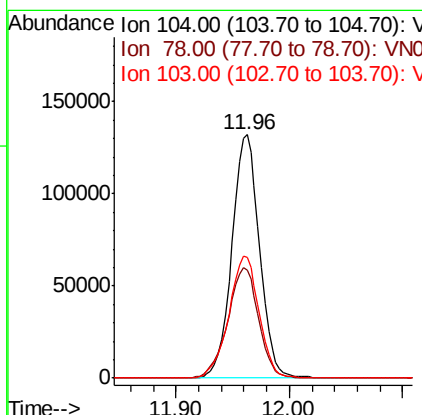
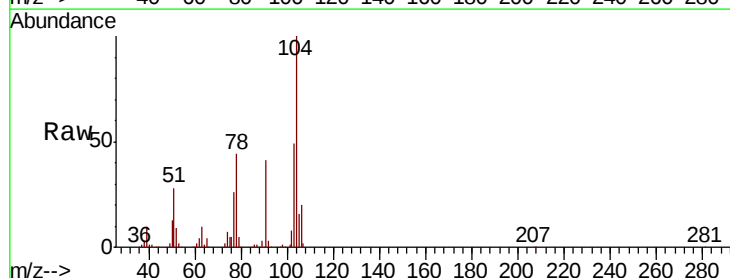
Instrument :
MSVOA_N
ClientSampleId :

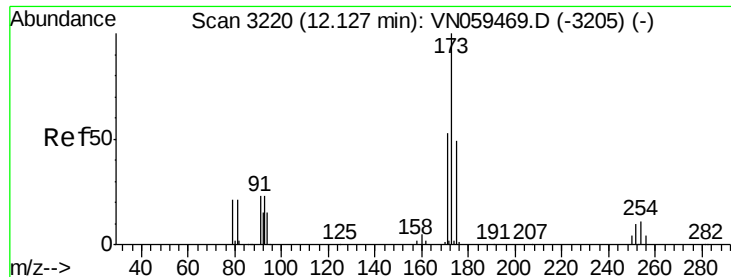
Tot Ion:106 Resp: 142494
Ion Ratio Lower Upper
106 100
91 219.0 108.5 325.3



#70
Styrene
Concen: 19.409 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion:104 Resp: 224063
Ion Ratio Lower Upper
104 100
78 50.7 41.0 61.4
103 54.9 44.7 67.1





#71

Bromoform

Concen: 19.932 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

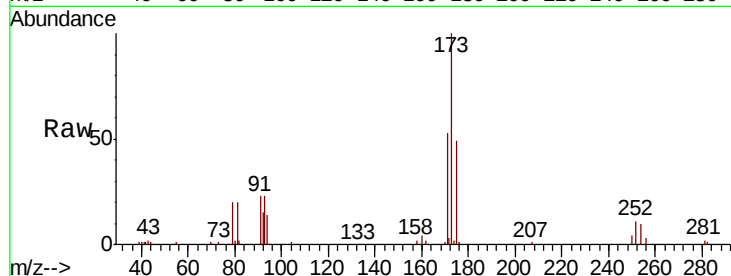
Tot Ion:173 Resp: 65001

Ion Ratio Lower Upper

173 100

175 48.8 24.3 73.0

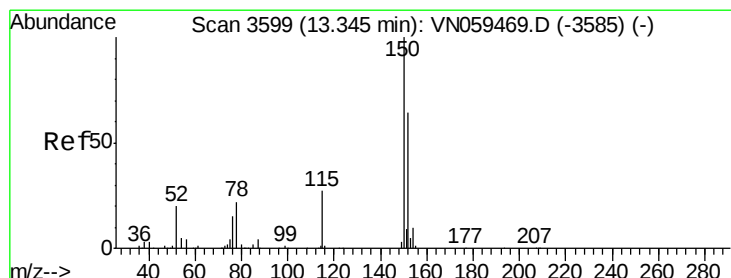
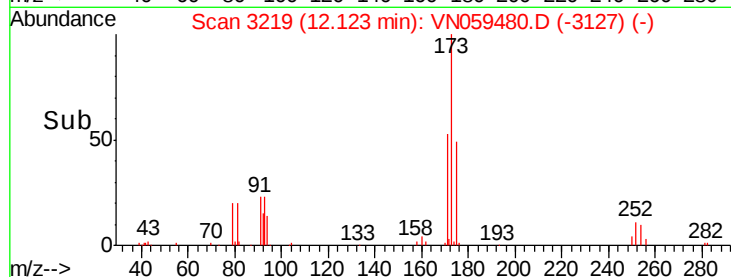
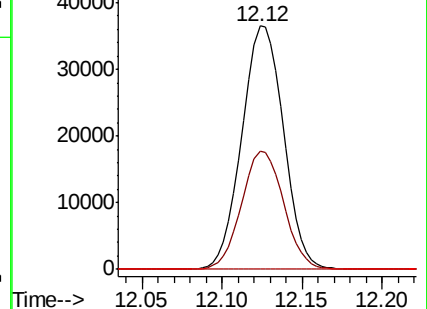
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

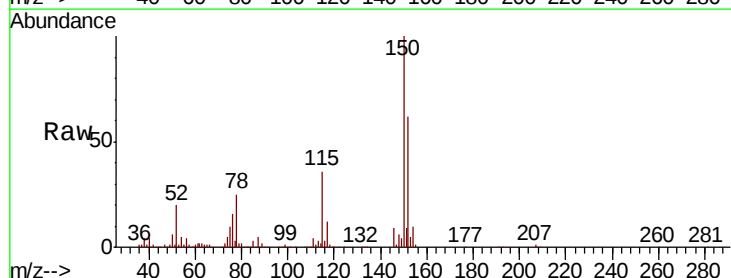
Tgt Ion:152 Resp: 239529

Ion Ratio Lower Upper

152 100

115 58.9 29.2 87.6

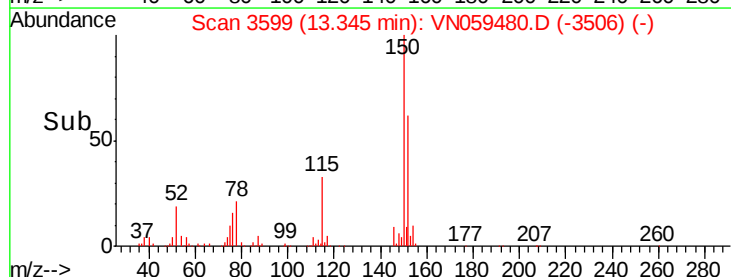
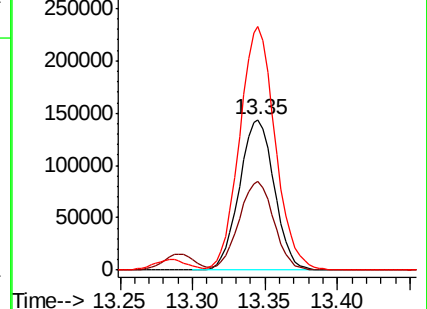
150 165.6 0.0 352.8

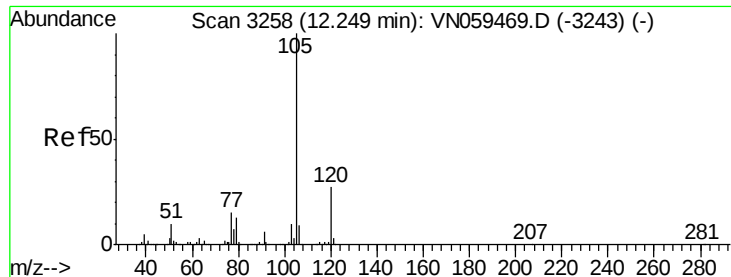


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.598 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

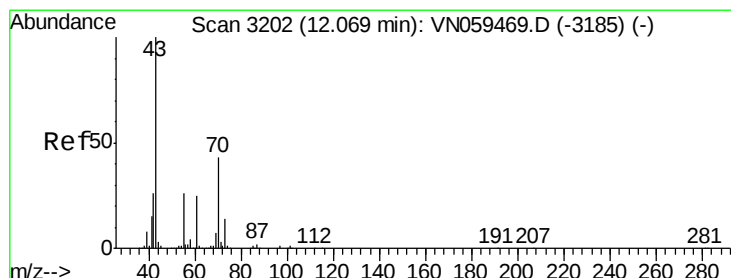
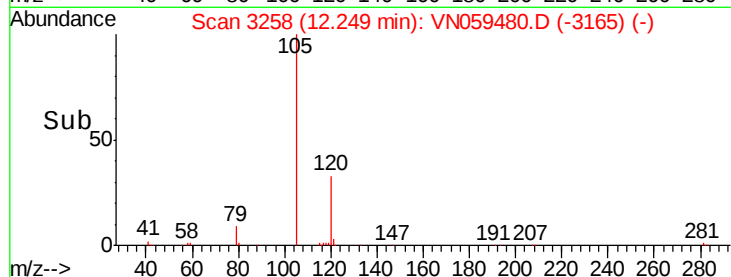
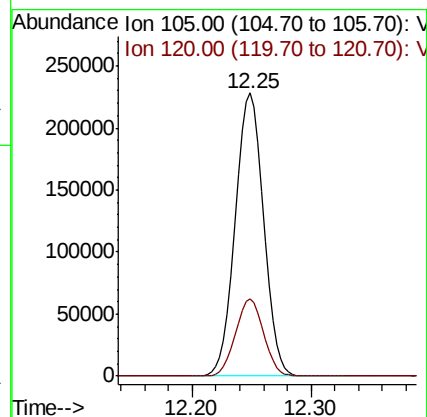
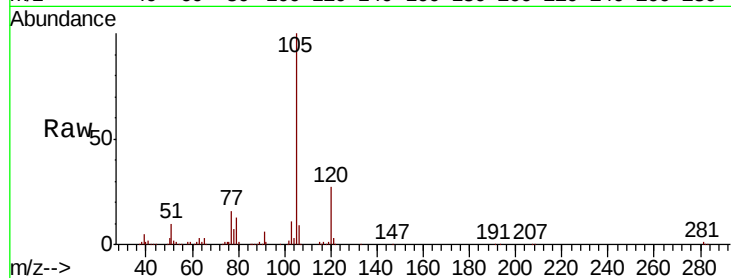
ClientSampled :

Tot Ion: 105 Resp: 376459

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.6



#74

N-ethyl acetate

Concen: 19.452 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Tgt Ion: 43 Resp: 150508

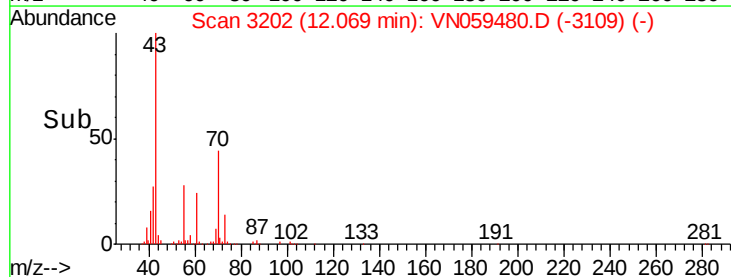
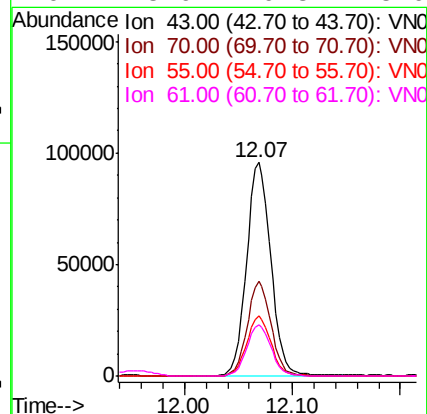
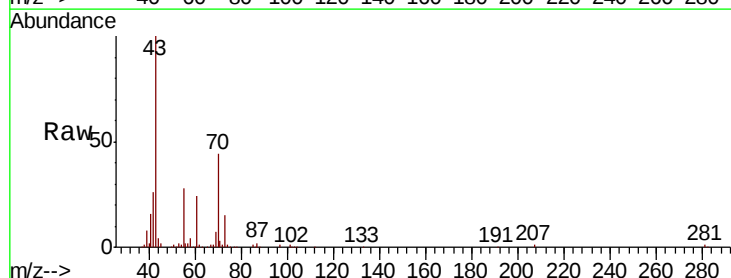
Ion Ratio Lower Upper

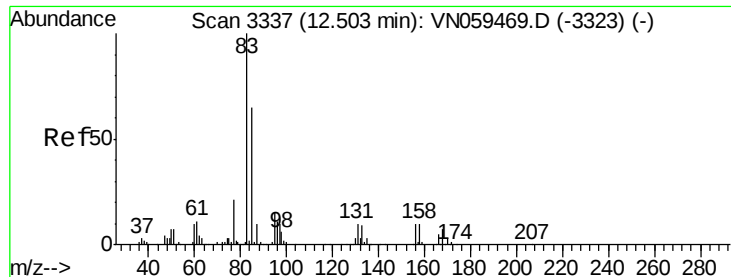
43 100

70 43.3 34.2 51.2

55 28.0 20.6 31.0

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.217 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

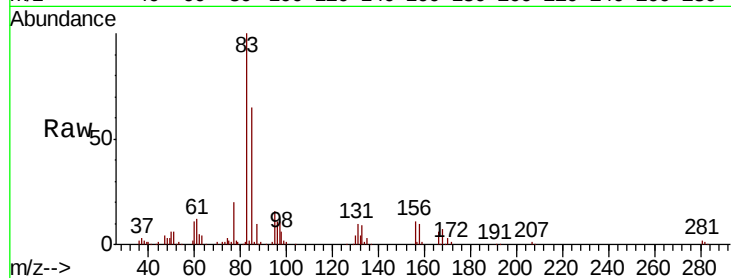
Tot Ion: 83 Resp: 124572

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

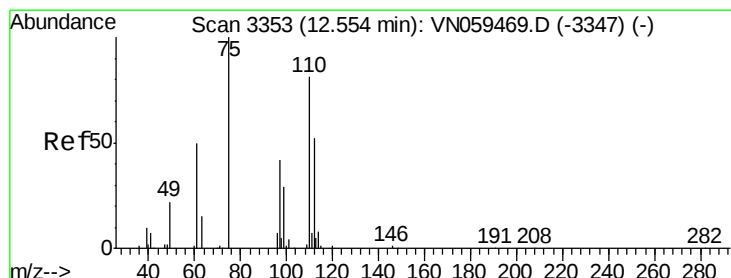
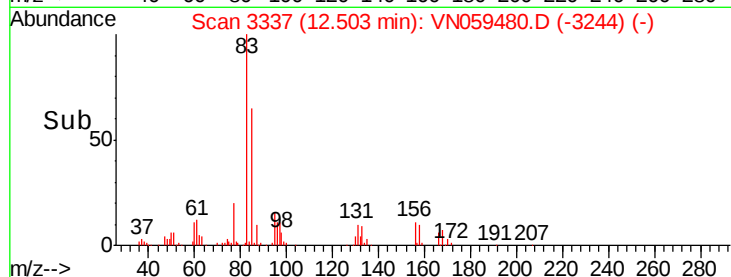
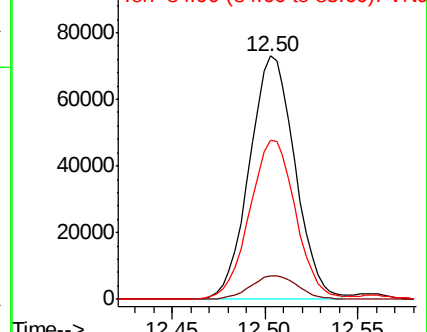
85 66.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.634 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059480.D

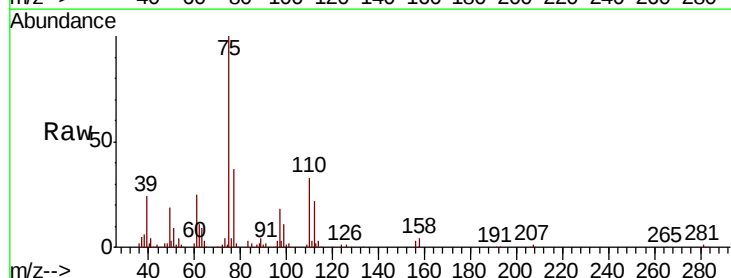
Acq: 4 Dec 2019 12:08

Tgt Ion: 75 Resp: 170536

Ion Ratio Lower Upper

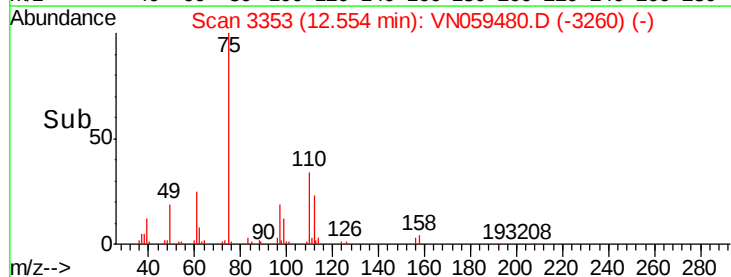
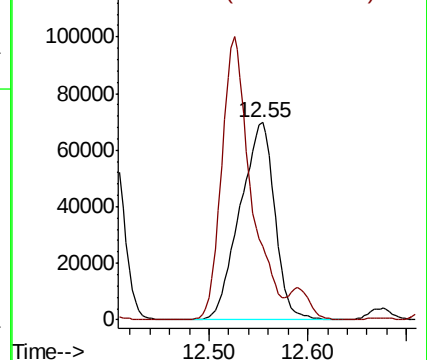
75 100

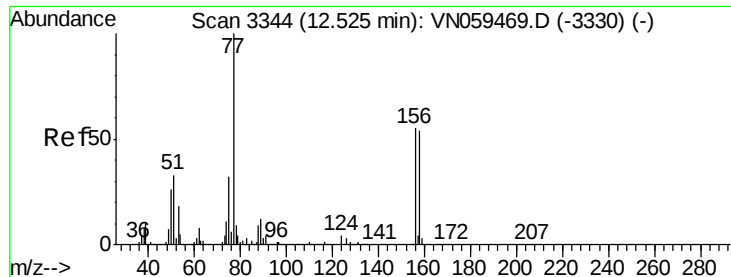
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.531 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

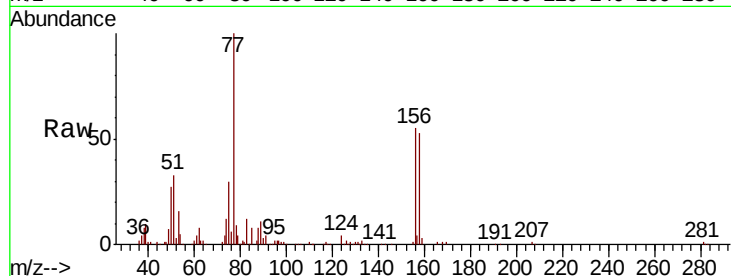
Tot Ion:156 Resp: 93754

Ion Ratio Lower Upper

156 100

77 222.8 110.3 331.0

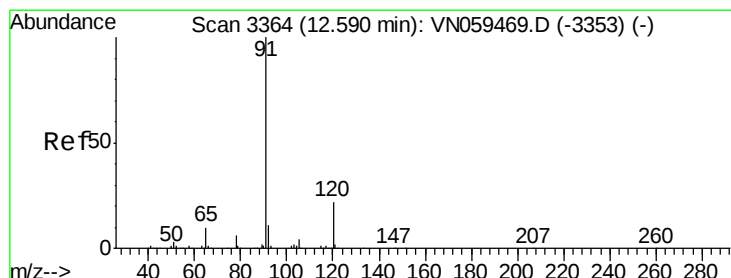
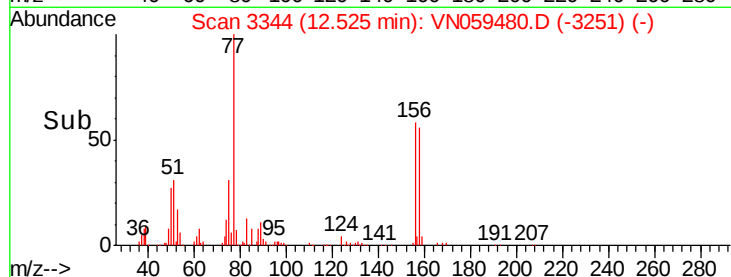
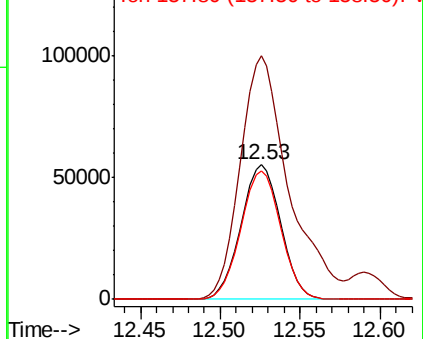
158 96.0 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.779 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059480.D

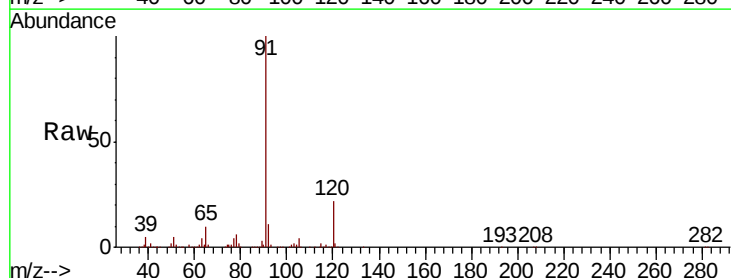
Acq: 4 Dec 2019 12:08

Tgt Ion: 91 Resp: 442144

Ion Ratio Lower Upper

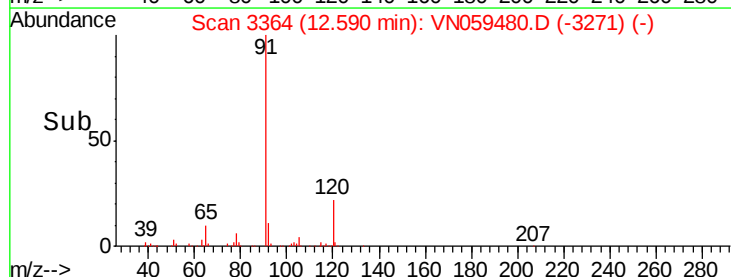
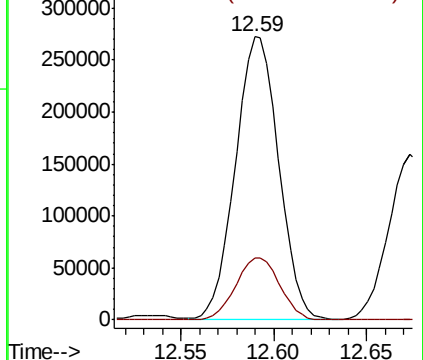
91 100

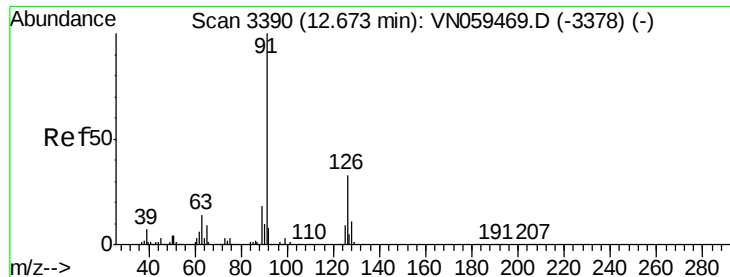
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

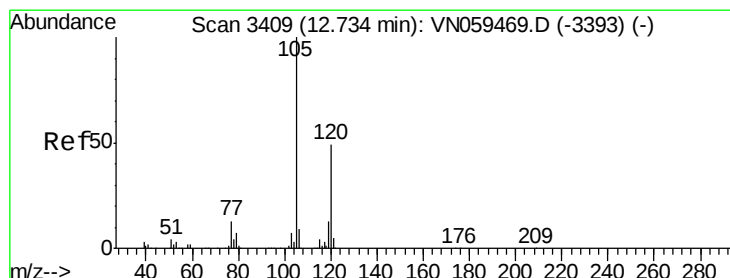
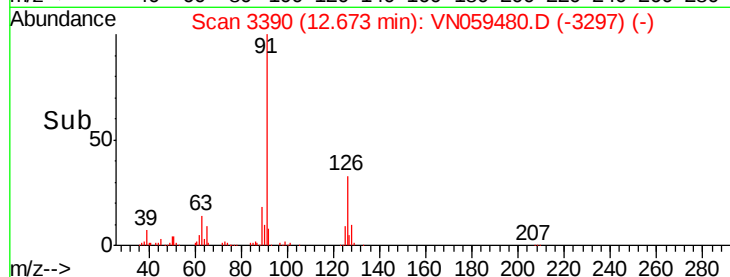
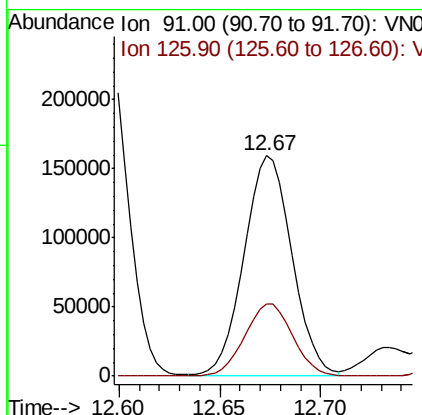
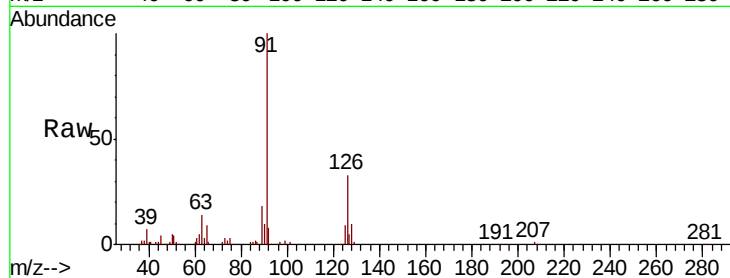




#79
 2-Chlorotoluene
 Concen: 19.693 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

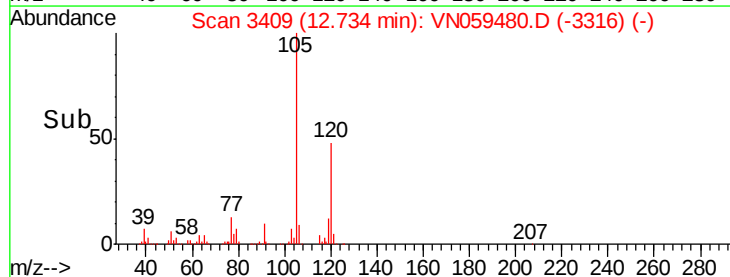
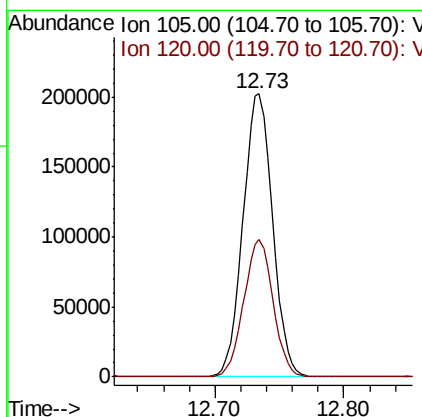
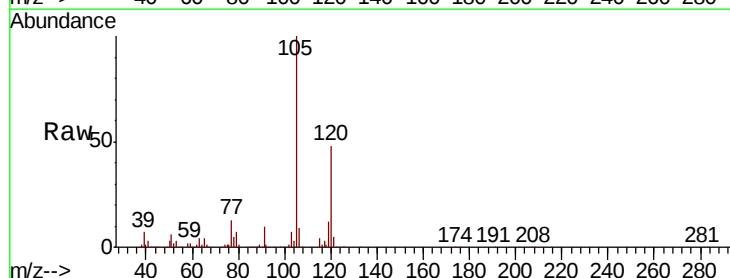
Instrument :
 MSVOA_N
 ClientSampleId :

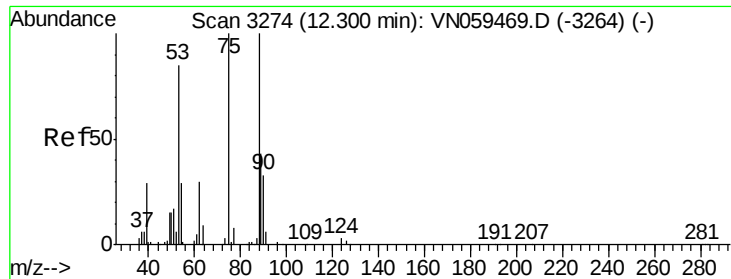
Tot Ion: 91 Resp: 265379
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.150 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion: 105 Resp: 323477
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.475 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

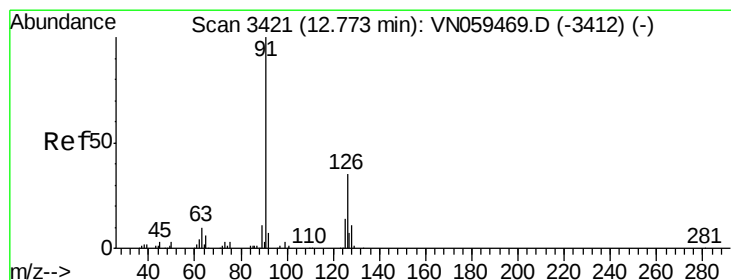
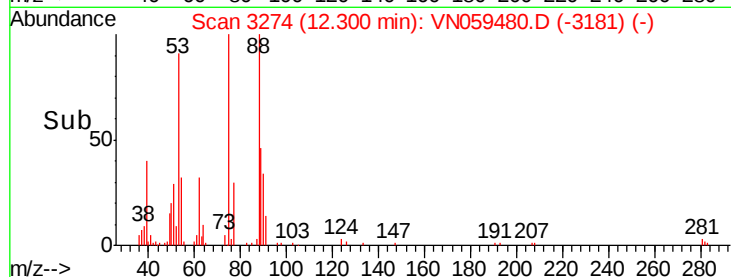
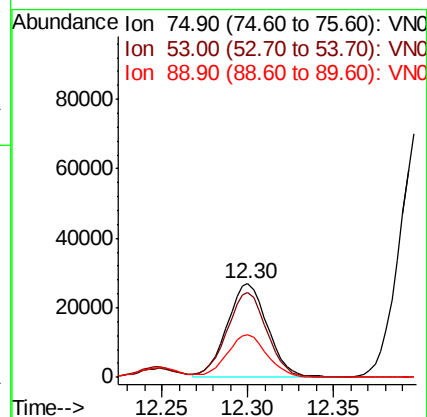
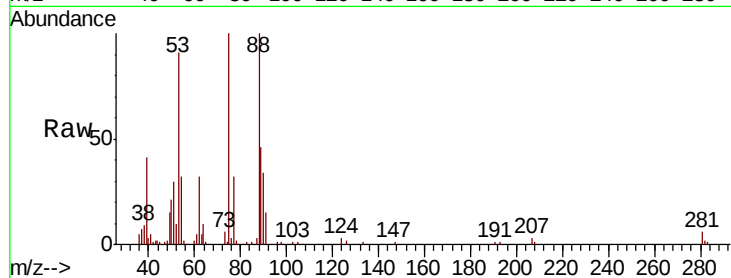
Tot Ion: 75 Resp: 44197

Ion Ratio Lower Upper

75 100

53 89.9 69.8 104.6

89 45.4 35.2 52.8



#82

4-Chlorotoluene

Concen: 19.508 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059480.D

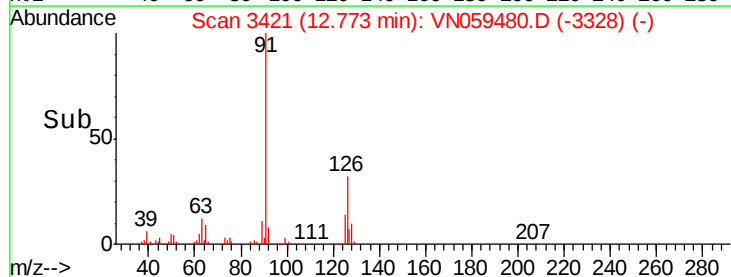
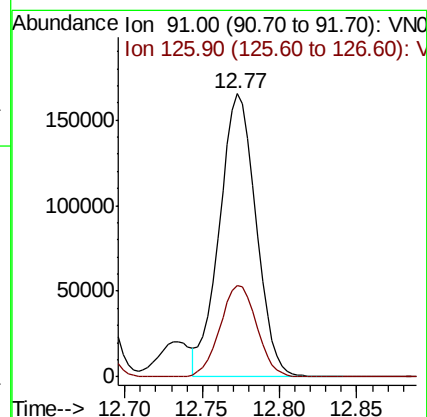
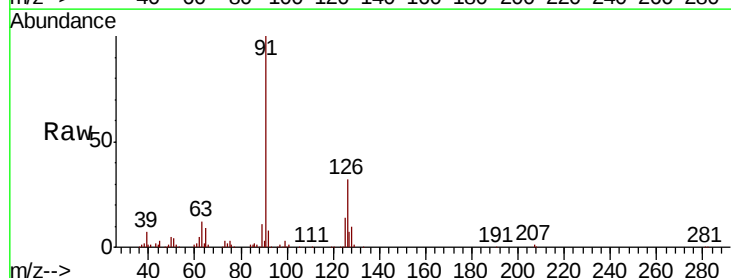
Acq: 4 Dec 2019 12:08

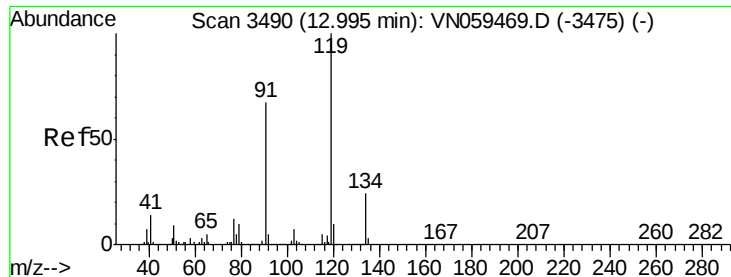
Tgt Ion: 91 Resp: 271228

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.2

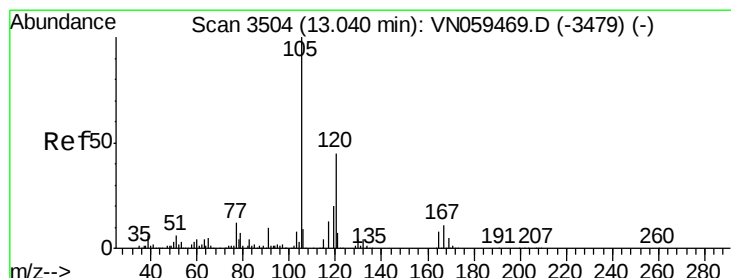
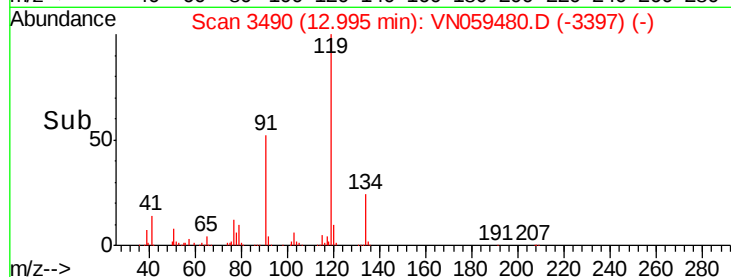
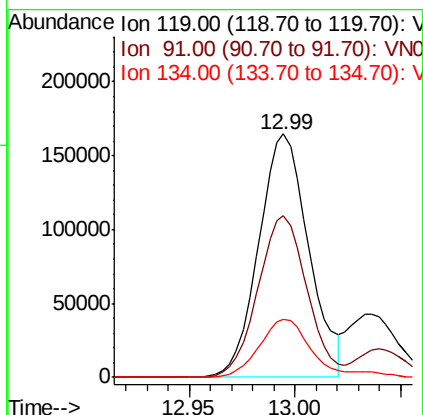
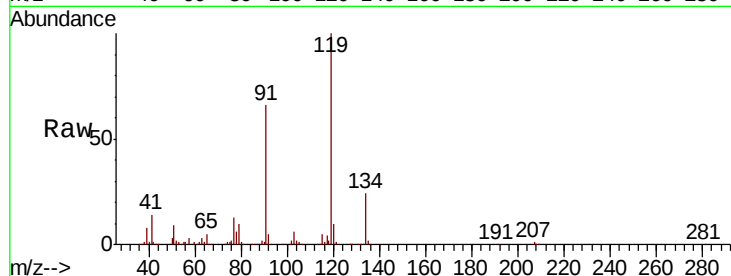




#83
tert-Butylbenzene
Concen: 19.488 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

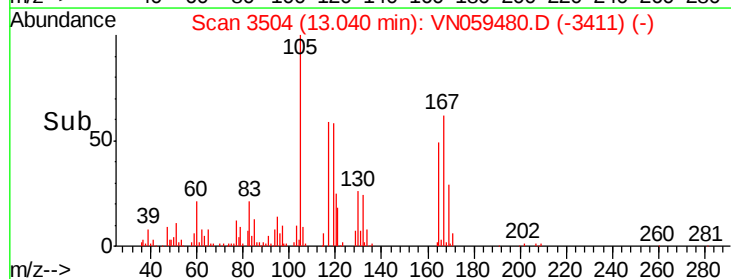
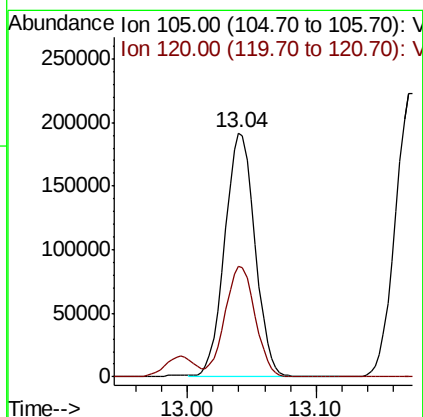
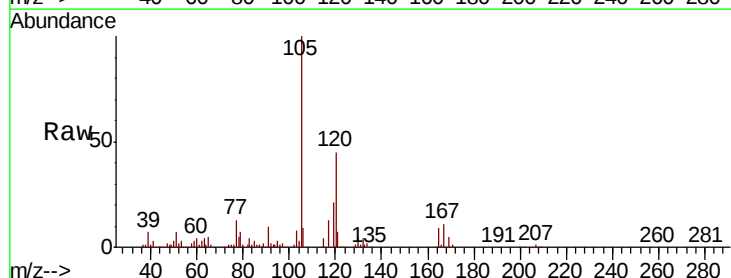
Instrument :
MSVOA_N
ClientSampled :

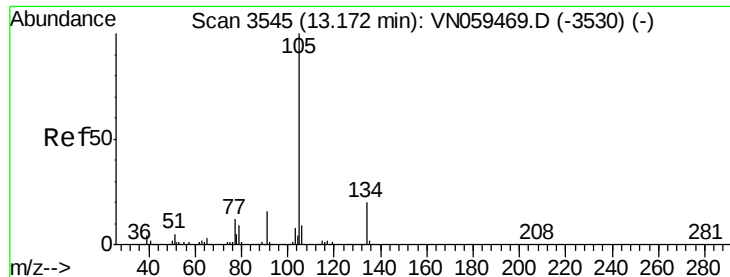
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.6	97.7
134	25.5	12.6	37.6



#84
1,2,4-Trimethylbenzene
Concen: 19.740 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059480.D
Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.8





#85

sec-Butylbenzene

Concen: 19.453 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

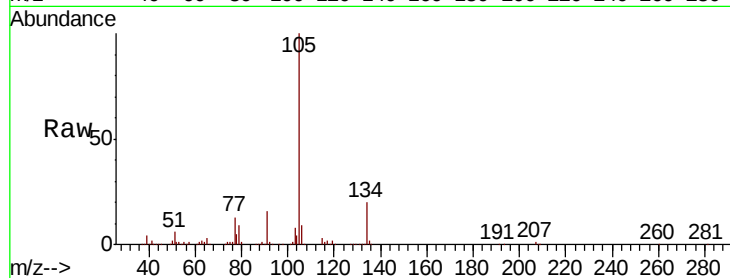
ClientSampleId :

Tot Ion:105 Resp: 359333

Ion Ratio Lower Upper

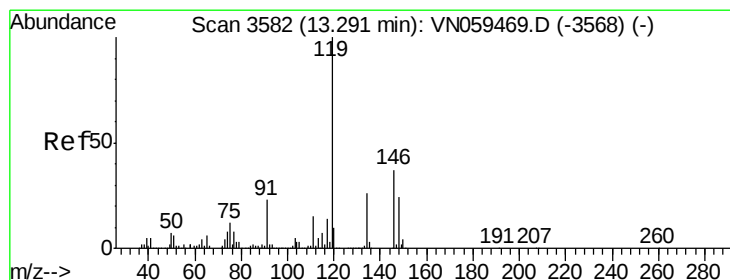
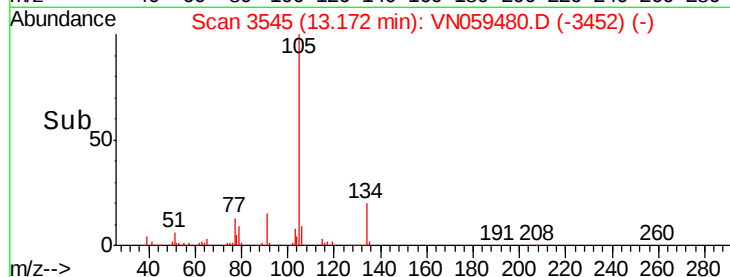
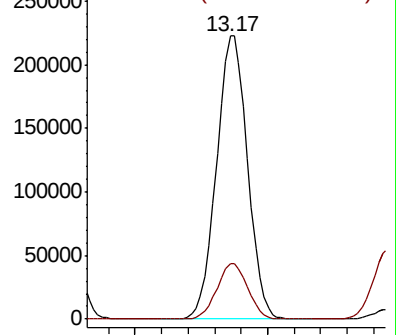
105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.569 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

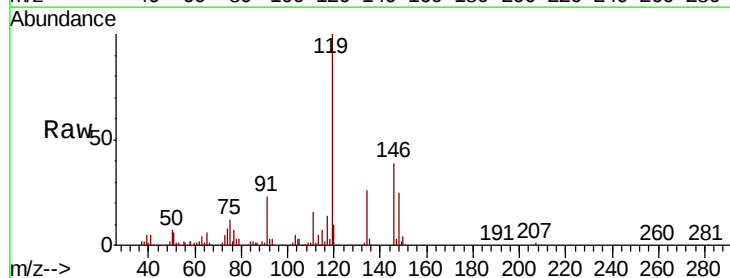
Tgt Ion:119 Resp: 323927

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

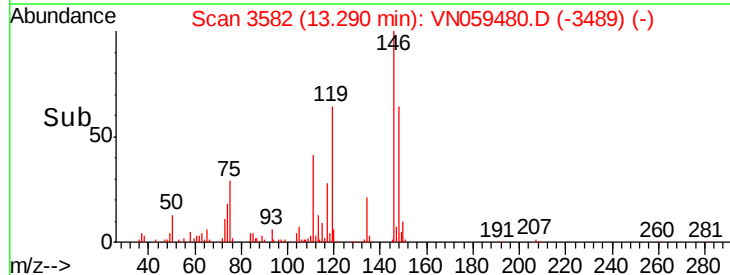
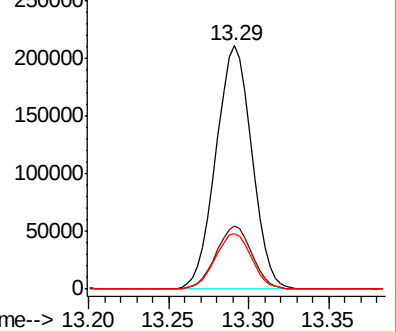
91 23.1 11.7 35.1

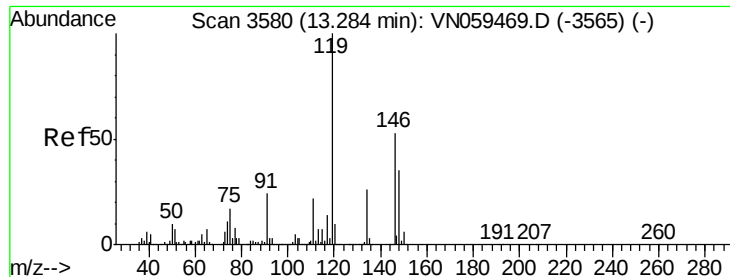


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

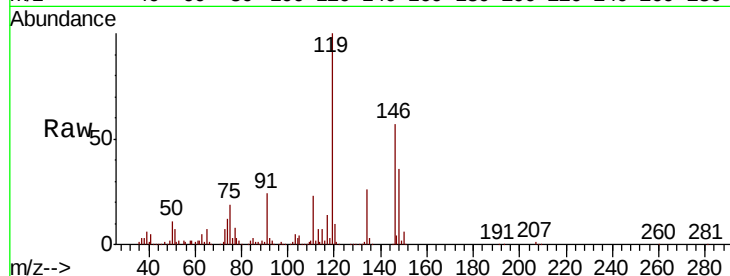




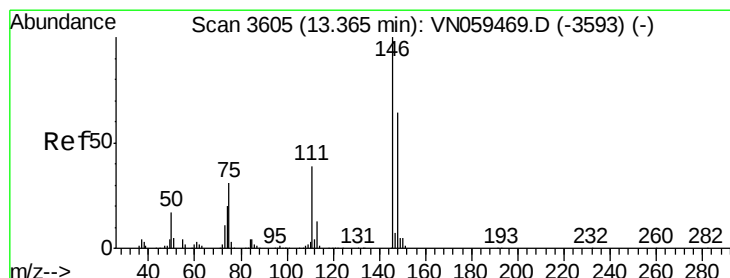
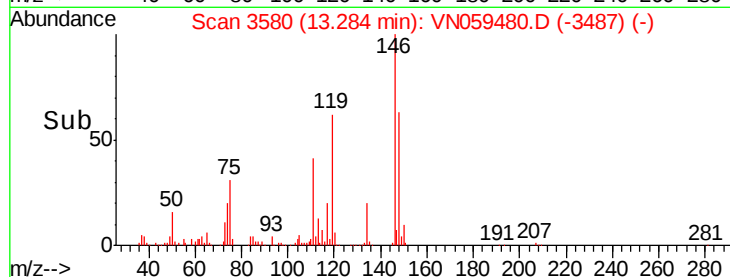
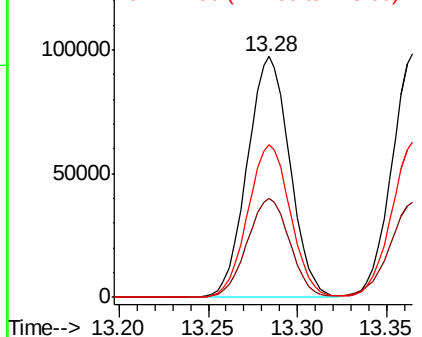
#87
 1,3-Dichlorobenzene
 Concen: 19.181 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	63.4	32.1	96.5

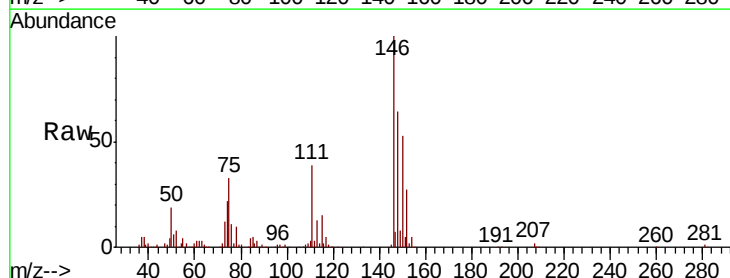


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

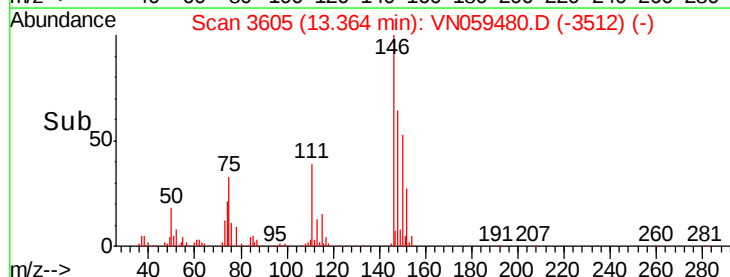
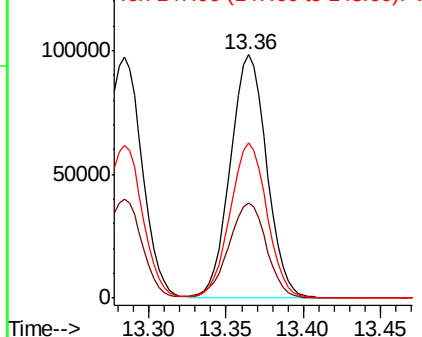


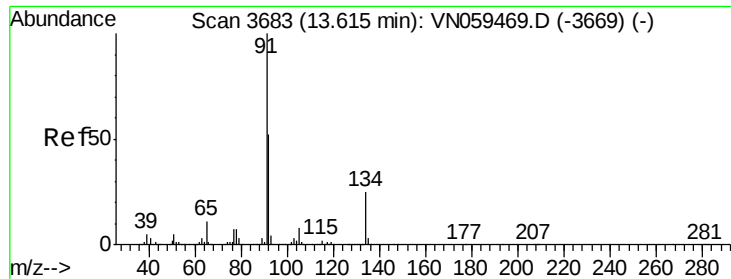
#88
 1,4-Dichlorobenzene
 Concen: 18.740 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.3
148	65.1	32.0	96.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.305 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

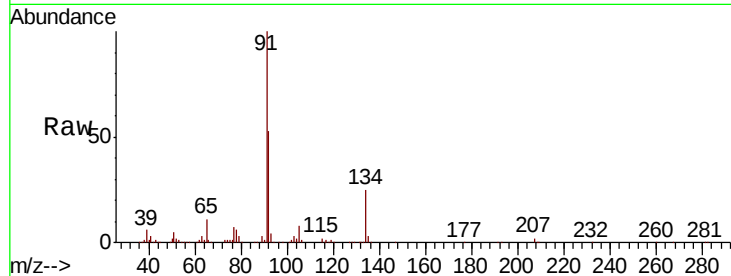
Tot Ion: 91 Resp: 271463

Ion Ratio Lower Upper

91 100

92 52.7 25.9 77.8

134 25.2 12.6 37.6

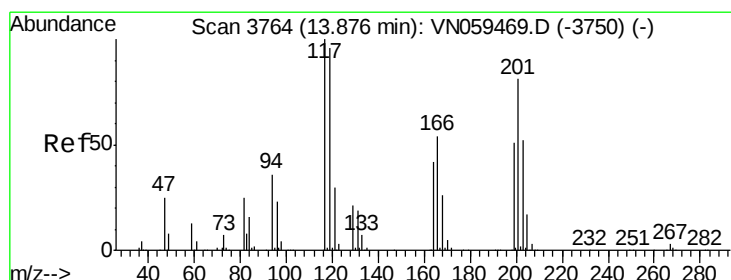
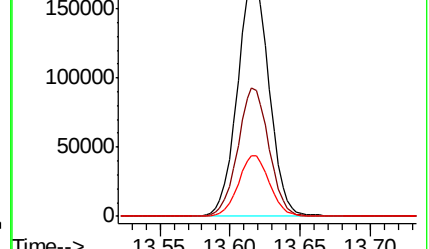
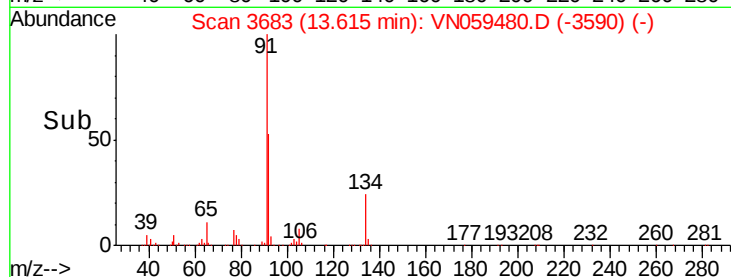


Abundance Ion 91.00 (90.70 to 91.70): VN059480.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059480.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059480.D (-3669) (-)

Time-->



#90

Hexachloroethane

Concen: 19.111 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059480.D

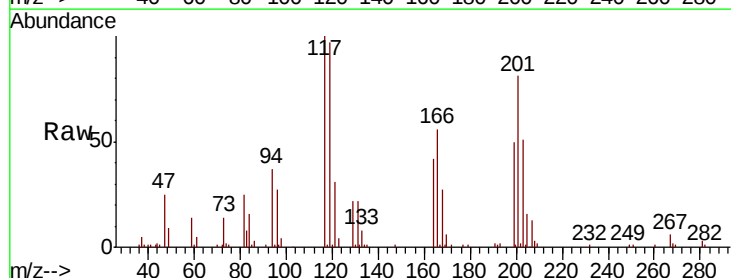
Acq: 4 Dec 2019 12:08

Tgt Ion: 117 Resp: 61011

Ion Ratio Lower Upper

117 100

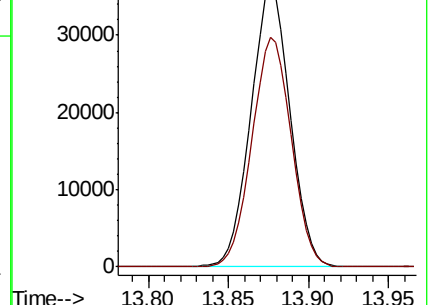
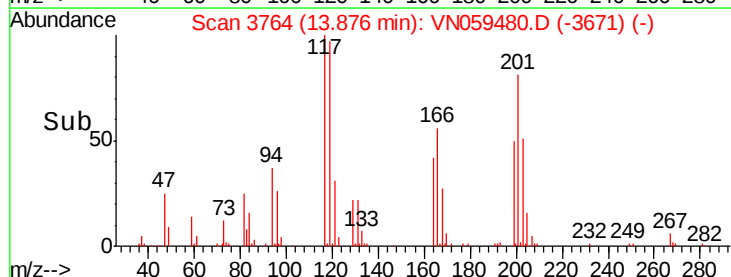
201 81.9 40.6 122.0

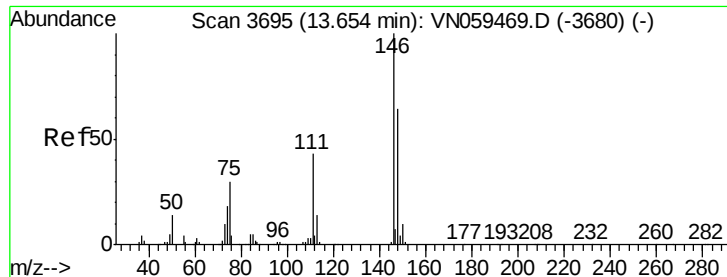


Abundance Ion 116.80 (116.50 to 117.50): VN059480.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059480.D (-3750) (-)

Time-->

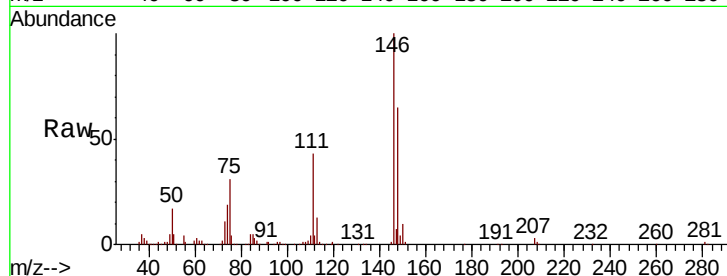




#91
 1,2-Dichlorobenzene
 Concen: 19.514 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	64.4	32.2	96.6

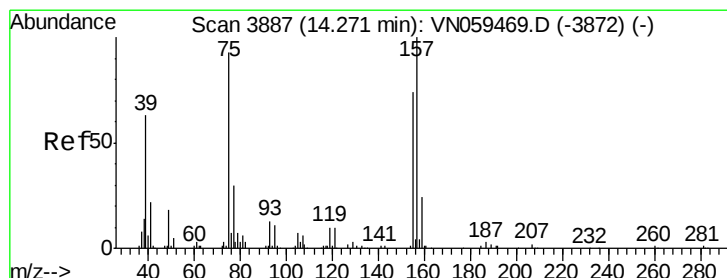
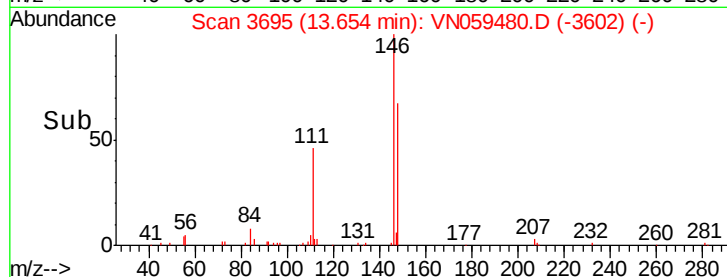
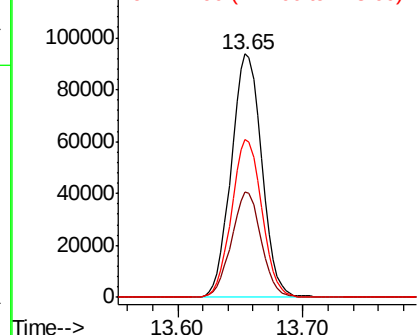


Abundance

Ion 145.90 (145.60 to 146.60): V

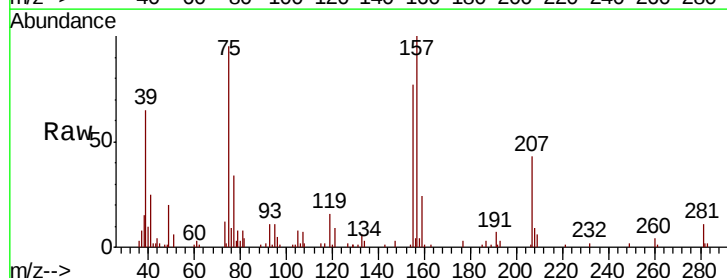
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.675 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	40.6	122.0
157	103.4	52.9	158.7

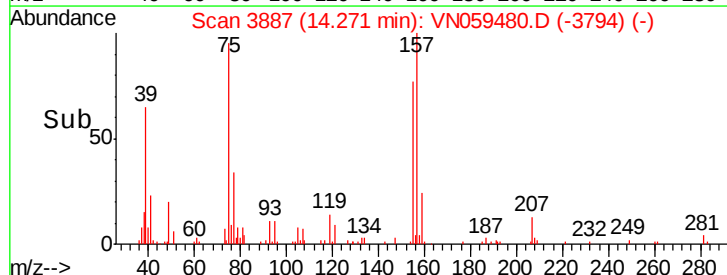
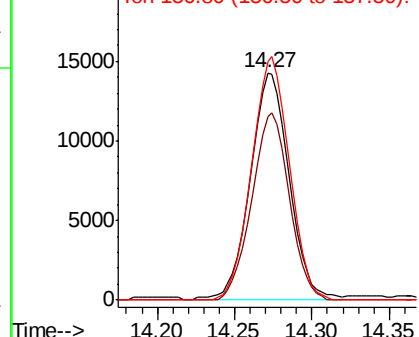


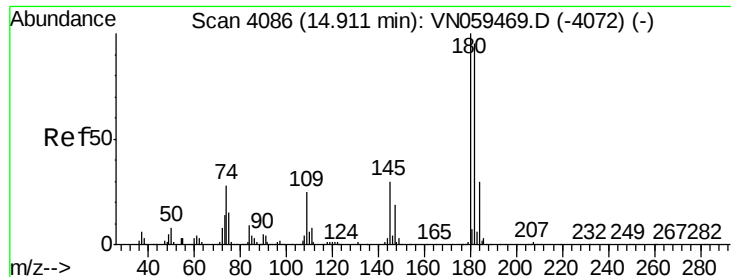
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

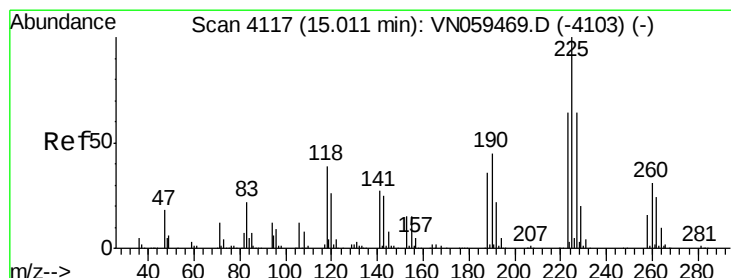
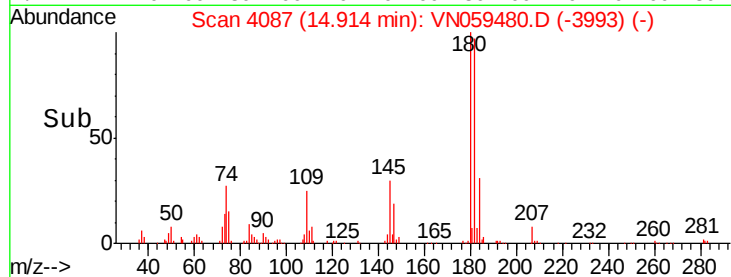
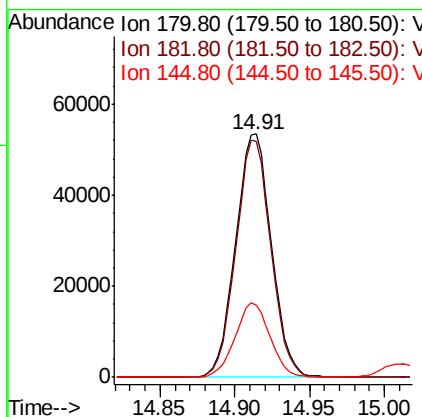
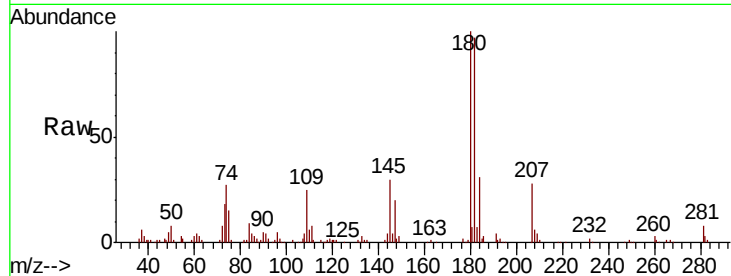




#93
 1,2,4-Trichlorobenzene
 Concen: 17.983 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

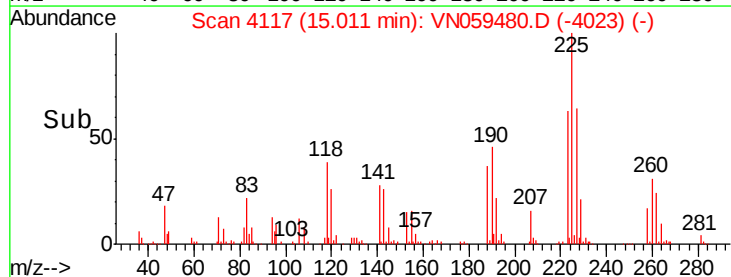
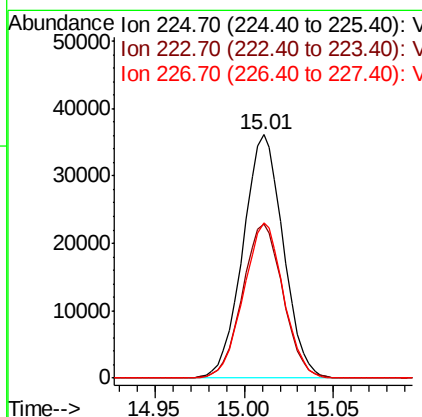
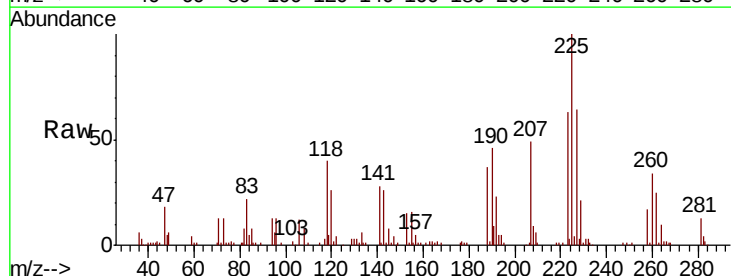
Instrument :
 MSVOA_N
 ClientSampleId :

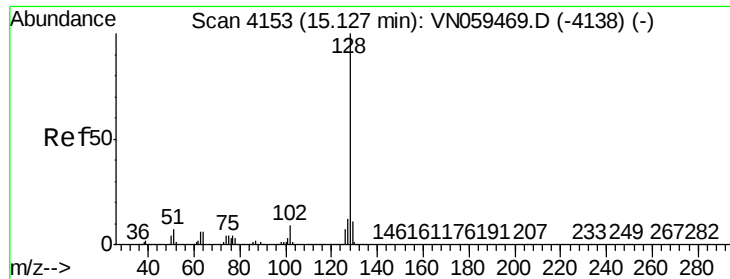
Tot Ion:180 Resp: 89072
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.2
 145 30.0 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 19.538 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059480.D
 Acq: 4 Dec 2019 12:08

Tgt Ion:225 Resp: 57114
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.9 95.5
 227 63.2 32.0 96.2





#95

Naphthalene

Concen: 18.805 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

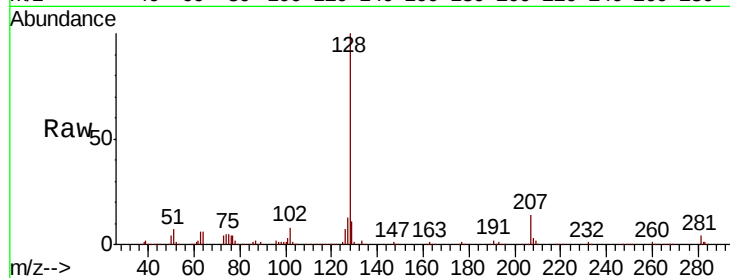
Tot Ion:128 Resp: 234895

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

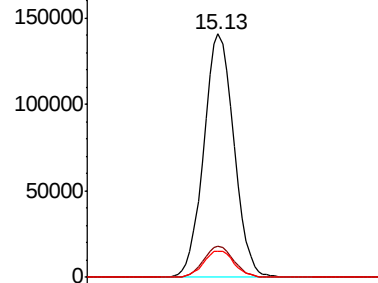
129 11.0 8.8 13.2



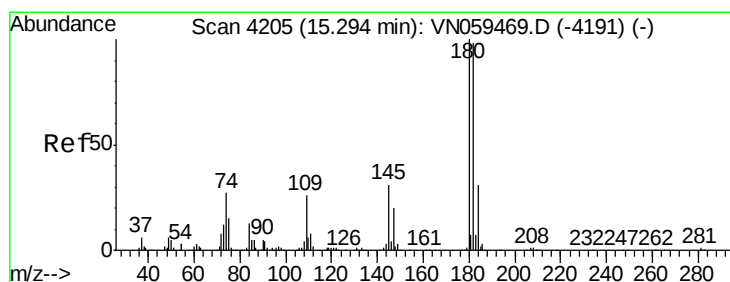
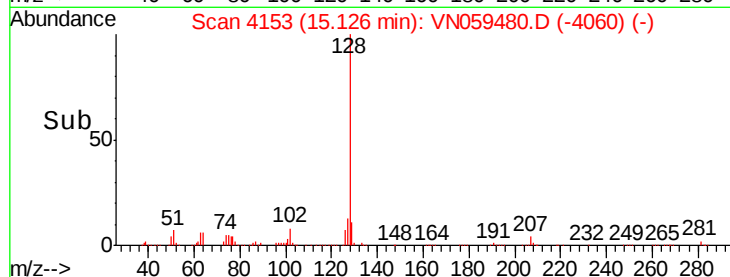
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 19.558 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059480.D

Acq: 4 Dec 2019 12:08

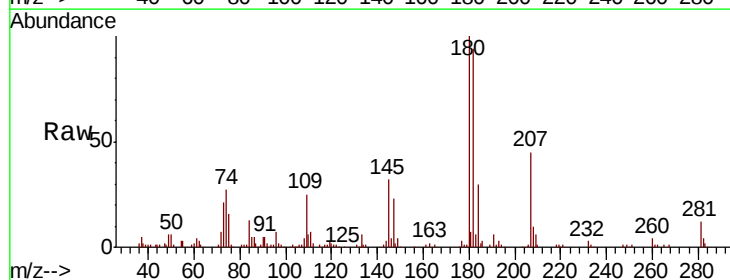
Tgt Ion:180 Resp: 91119

Ion Ratio Lower Upper

180 100

182 95.9 48.5 145.5

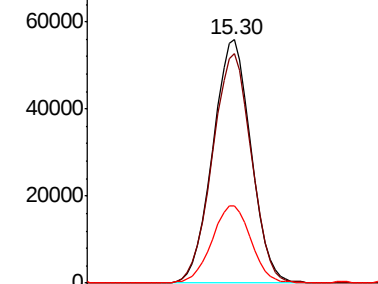
145 32.6 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

