

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120619\
 Data File : VN059508.D
 Acq On : 6 Dec 2019 12:32
 Operator : JC/SP
 Sample : VN1206WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 22:18:22 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	238642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	366909	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	334195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	156889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	176496	59.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.06%	
35) Dibromofluoromethane	7.57	113	124733	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
50) Toluene-d8	10.08	98	471654	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.40	95	164411	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	51802	19.507	ug/l	100
3) Chloromethane	2.04	50	51833	14.563	ug/l	99
4) Vinyl Chloride	2.17	62	51281	24.010	ug/l	97
5) Bromomethane	2.55	94	35420	27.289	ug/l	96
6) Chloroethane	2.68	64	33196	26.326	ug/l	98
7) Trichlorofluoromethane	3.00	101	66517	25.787	ug/l	98
8) Diethyl Ether	3.39	74	31387	18.676	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	48334	19.088	ug/l	96
10) Methyl Iodide	3.92	142	59859	18.670	ug/l	97
11) Tert butyl alcohol	4.75	59	56811	101.695	ug/l	99
12) 1,1-Dichloroethene	3.71	96	45612	18.427	ug/l	96
13) Acrolein	3.58	56	43298	89.306	ug/l	99
14) Allyl chloride	4.29	41	91579	18.785	ug/l	92
15) Acrylonitrile	4.95	53	145703	96.407	ug/l	99
16) Acetone	3.79	43	164857	96.382	ug/l	97
17) Carbon Disulfide	4.02	76	146135	17.303	ug/l	100
18) Methyl Acetate	4.29	43	79167	19.837	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	173724	20.593	ug/l	97
20) Methylene Chloride	4.52	84	56760	19.598	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	52191	18.845	ug/l	96
22) Diisopropyl ether	5.92	45	189400	20.873	ug/l	92
23) Vinyl Acetate	5.86	43	785905	107.936	ug/l	98
24) 1,1-Dichloroethane	5.82	63	105742	20.514	ug/l	100
25) 2-Butanone	6.81	43	216351	96.015	ug/l	98
26) 2,2-Dichloropropane	6.80	77	92820	20.819	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	61631	20.037	ug/l	99
28) Bromochloromethane	7.17	49	42843	21.683	ug/l	97
29) Tetrahydrofuran	7.19	42	138810	97.970	ug/l	97
30) Chloroform	7.35	83	105934	21.285	ug/l	97
31) Cyclohexane	7.63	56	93778	18.776	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	91536	21.160	ug/l	96
36) 1,1-Dichloropropene	7.77	75	78131	20.463	ug/l	99
37) Ethyl Acetate	6.90	43	87702	20.564	ug/l	98
38) Carbon Tetrachloride	7.75	117	78475	21.369	ug/l	98

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 22:18:22 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)

39) Methylcyclohexane	9.06	83	85795	18.672	ug/l	97
40) Benzene	8.02	78	227421	20.340	ug/l	98
41) Methacrylonitrile	7.18	41	127777	73.924	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	91327	24.046	ug/l	97
43) Isopropyl Acetate	8.14	43	139378	21.972	ug/l	98
44) Trichloroethene	8.82	130	57956	19.835	ug/l	99
45) 1,2-Dichloropropane	9.10	63	61402	20.555	ug/l	99
46) Dibromomethane	9.19	93	40951	22.019	ug/l	95
47) Bromodichloromethane	9.39	83	82764	22.195	ug/l	99
48) Methyl methacrylate	9.18	41	61371	21.445	ug/l	90
49) 1,4-Dioxane	9.19	88	18669	431.116	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	419963	111.535	ug/l	95
52) Toluene	10.14	92	139494	20.629	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	92623	21.109	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	96795	20.812	ug/l #	89
55) 1,1,2-Trichloroethane	10.55	97	56369	21.146	ug/l	98
56) Ethyl methacrylate	10.42	69	78051	19.012	ug/l #	88
57) 1,3-Dichloropropane	10.70	76	96431	20.919	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	126685	96.434	ug/l	99
59) 2-Hexanone	10.74	43	305830	107.928	ug/l	94
60) Dibromochloromethane	10.90	129	60368	21.209	ug/l	99
61) 1,2-Dibromoethane	11.00	107	57778	20.976	ug/l	99
64) Tetrachloroethene	10.62	164	55459	19.509	ug/l	97
65) Chlorobenzene	11.43	112	141200	19.327	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54416	20.729	ug/l	100
67) Ethyl Benzene	11.51	91	255440	19.956	ug/l	99
68) m/p-Xylenes	11.62	106	186853	39.204	ug/l	97
69) o-Xylene	11.95	106	87516	19.287	ug/l	96
70) Styrene	11.96	104	138324	19.096	ug/l	99
71) Bromoform	12.13	173	40668	19.875	ug/l #	98
73) Isopropylbenzene	12.25	105	246731	19.610	ug/l	98
74) N-amyl acetate	12.07	43	98300	19.396	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	82108	20.344	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	111794	28.658	ug/l #	100
77) Bromobenzene	12.53	156	59373	18.884	ug/l	96
78) n-propylbenzene	12.59	91	290087	19.812	ug/l	99
79) 2-Chlorotoluene	12.67	91	171882	19.473	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	208143	19.795	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	27496	18.498	ug/l	87
82) 4-Chlorotoluene	12.77	91	176775	19.412	ug/l	100
83) tert-Butylbenzene	12.99	119	175609	19.237	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	204629	19.914	ug/l	100
85) sec-Butylbenzene	13.17	105	236148	19.518	ug/l	99
86) p-Isopropyltoluene	13.29	119	210357	19.402	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	105402	19.013	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	103828	18.571	ug/l	98
89) n-Butylbenzene	13.62	91	178766	18.404	ug/l	99
90) Hexachloroethane	13.88	117	40949	19.583	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	103186	19.417	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18239	21.840	ug/l	84

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QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration

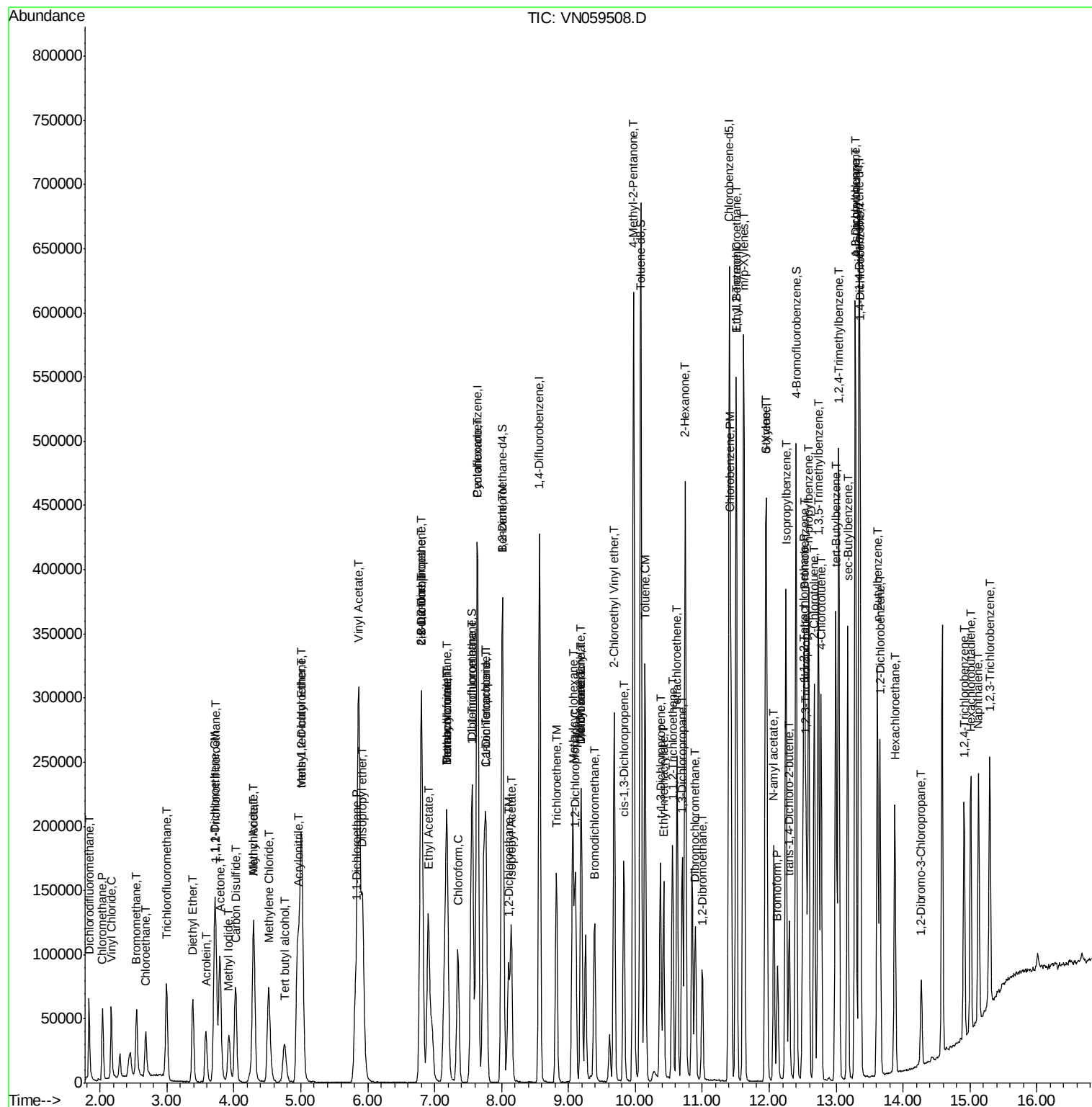
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56731	17.486	ug/l	97
94) Hexachlorobutadiene	15.01	225	35616	18.533	ug/l	99
95) Naphthalene	15.13	128	152016	18.609	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	58486	19.205	ug/l	98

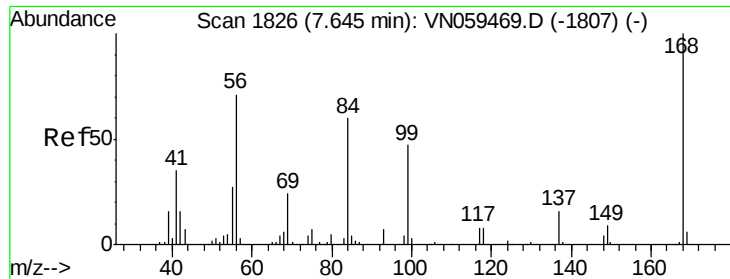
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120619\
Data File : VN059508.D
Acq On : 6 Dec 2019 12:32
Operator : JC/SP
Sample : VN1206WBSD01
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Dec 06 22:18:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

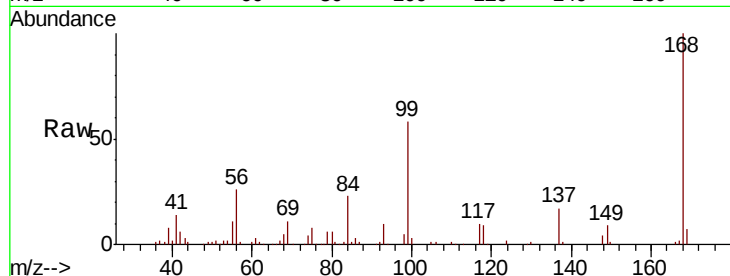
ClientSampleId :

Tot Ion:168 Resp: 238642

Ion Ratio Lower Upper

168 100

99 57.8 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): VN059508.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059508.D (-1733) (-)

7.64

120000

100000

80000

60000

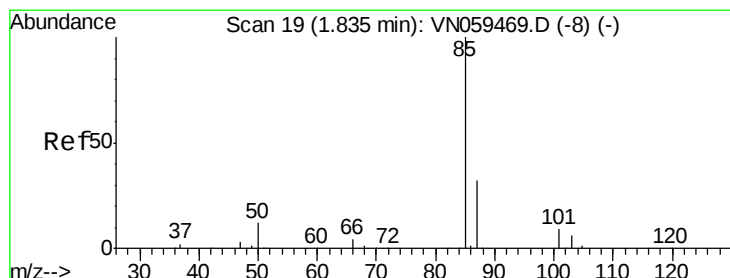
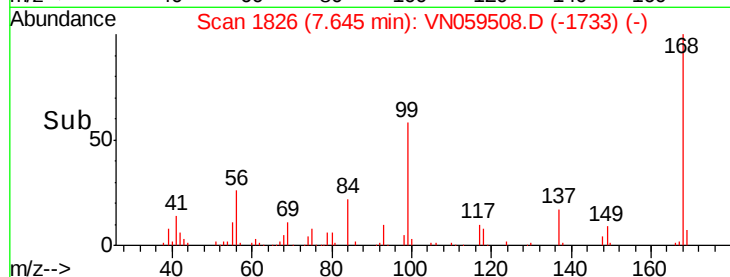
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.507 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059508.D

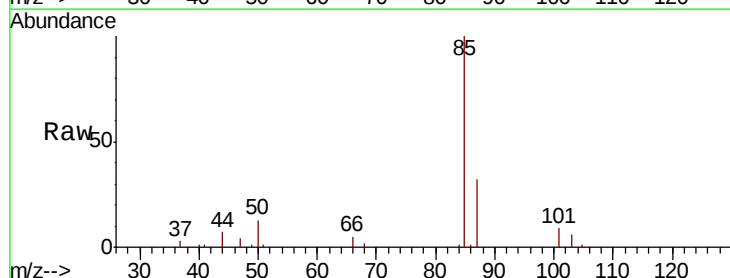
Acq: 6 Dec 2019 12:32

Tgt Ion: 85 Resp: 51802

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN059508.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN059508.D (-1) (-)

1.83

40000

30000

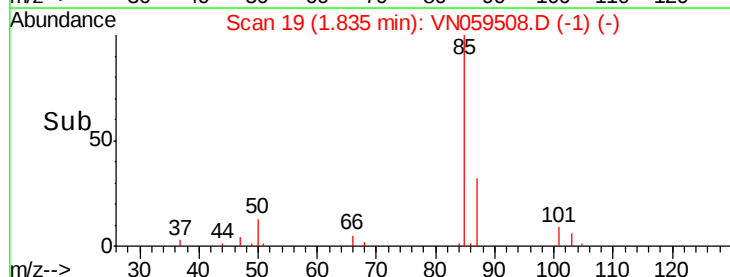
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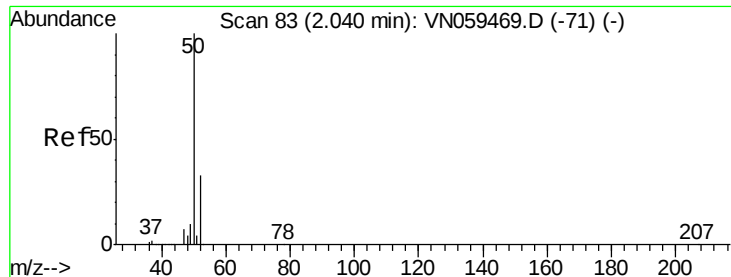
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 14.563 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

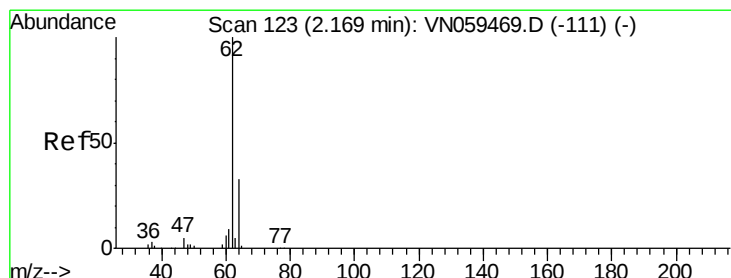
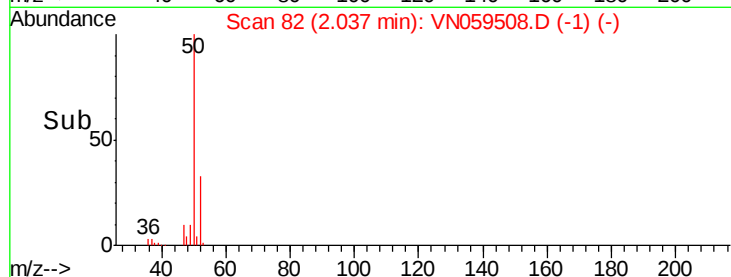
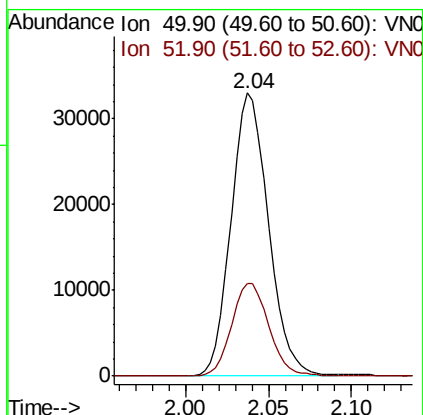
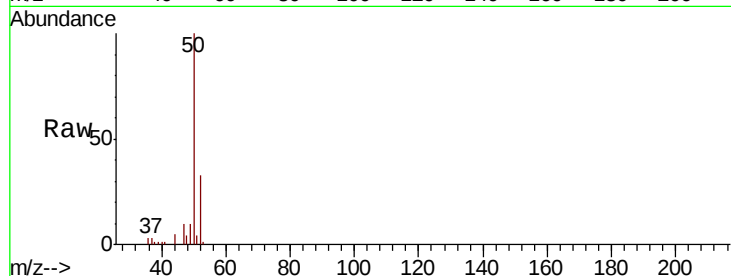
ClientSampled :

Tot Ion: 50 Resp: 51833

Ion Ratio Lower Upper

50 100

52 32.8 26.5 39.7



#4

Vinyl Chloride

Concen: 24.010 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059508.D

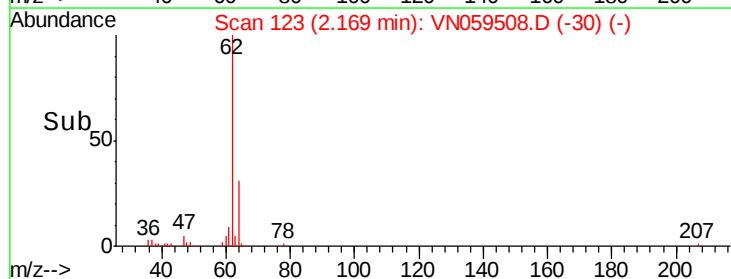
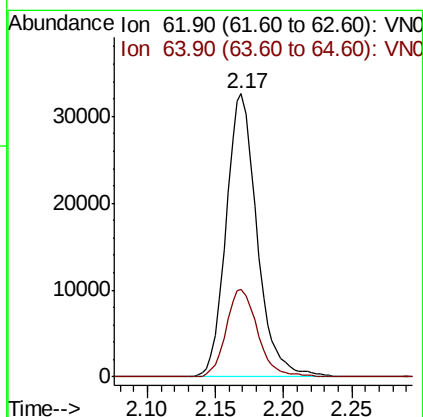
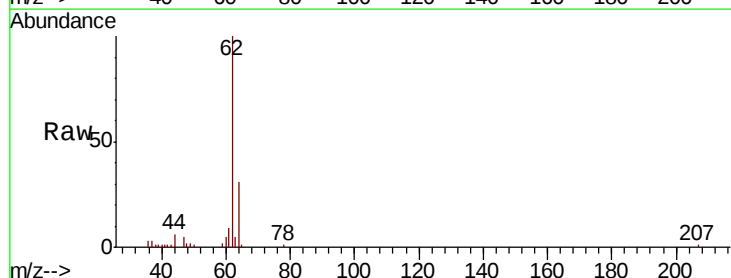
Acq: 6 Dec 2019 12:32

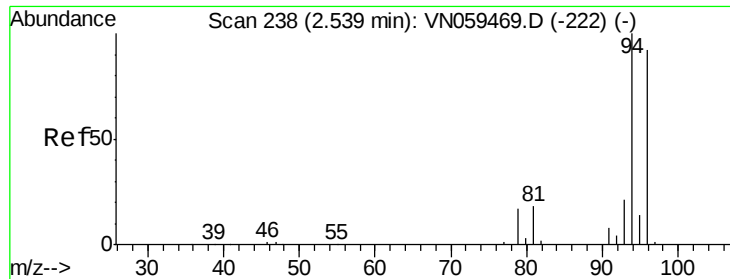
Tgt Ion: 62 Resp: 51281

Ion Ratio Lower Upper

62 100

64 30.8 26.0 39.0





#5

Bromomethane

Concen: 27.289 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

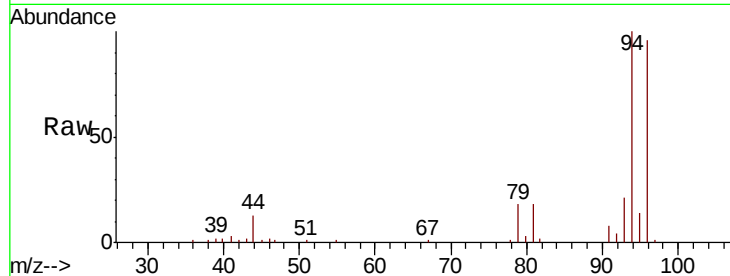
ClientSampled :

Tot Ion: 94 Resp: 35420

Ion Ratio Lower Upper

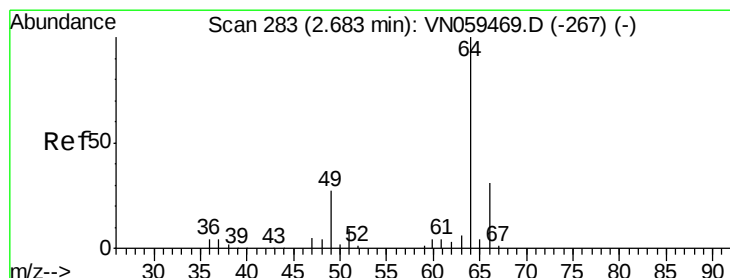
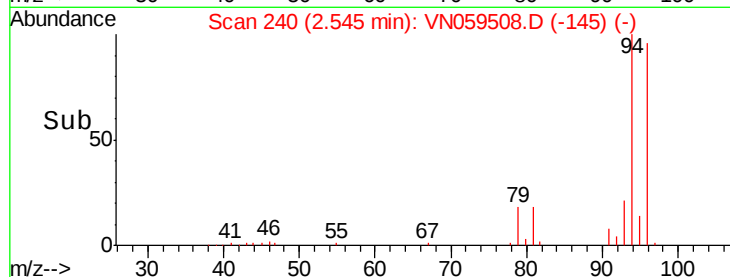
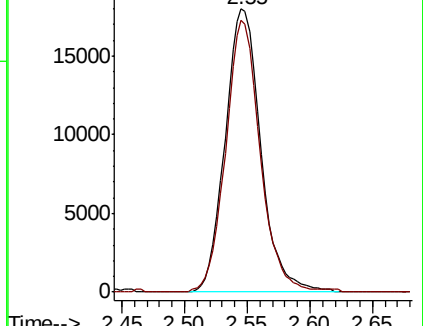
94 100

96 96.1 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VN059469.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN059469.D (-222) (-)



#6

Chloroethane

Concen: 26.326 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059508.D

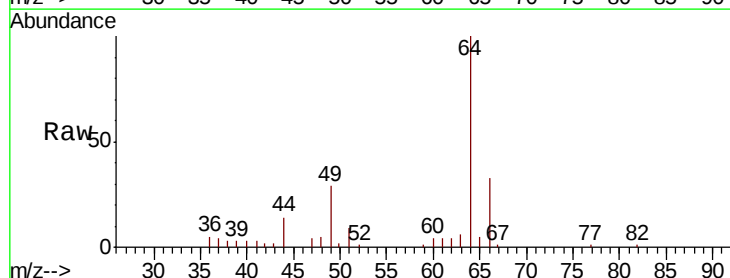
Acq: 6 Dec 2019 12:32

Tgt Ion: 64 Resp: 33196

Ion Ratio Lower Upper

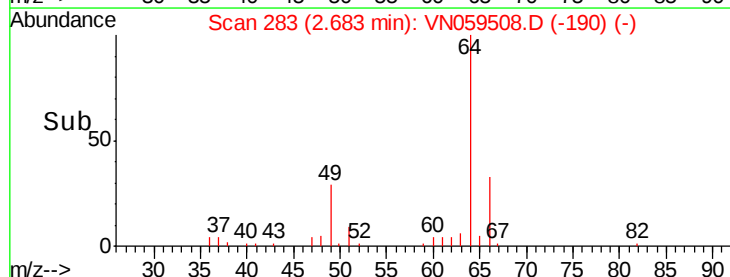
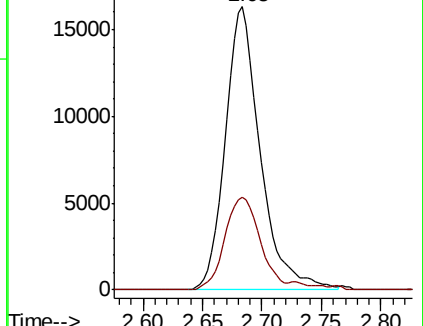
64 100

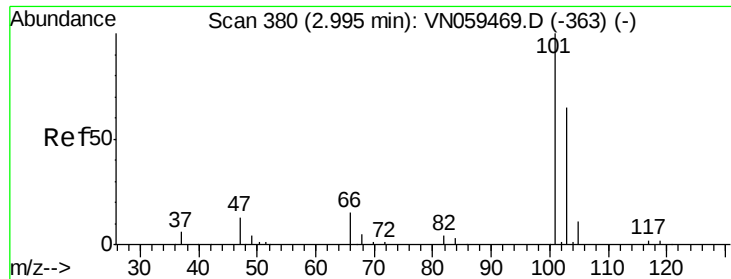
66 32.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059469.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN059469.D (-267) (-)



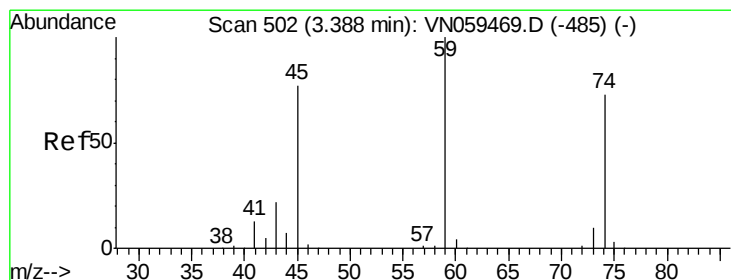
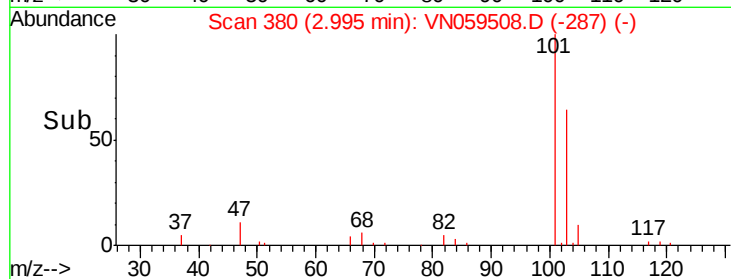
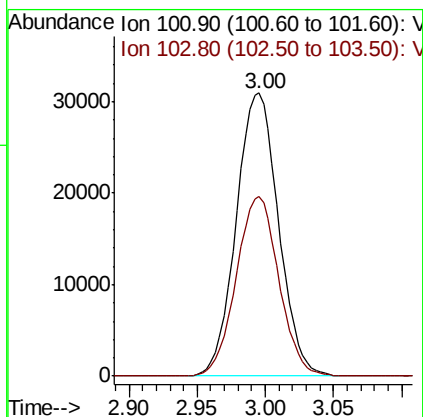
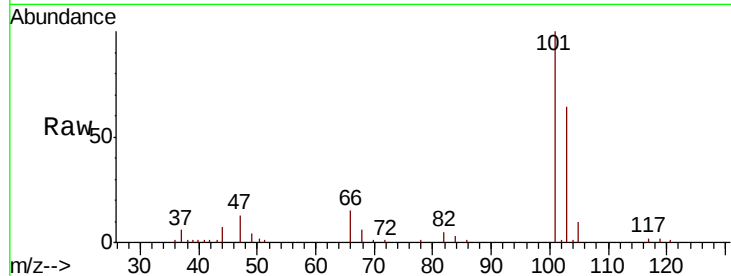


#7

Trichlorofluoromethane
 Concen: 25.787 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Instrument :
 MSVOA_N
 ClientSampled :

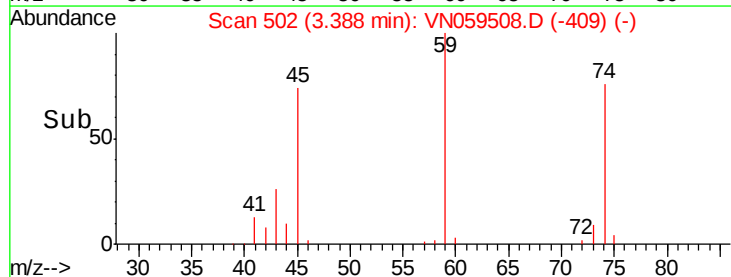
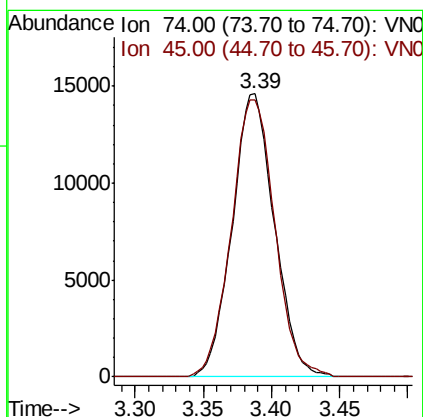
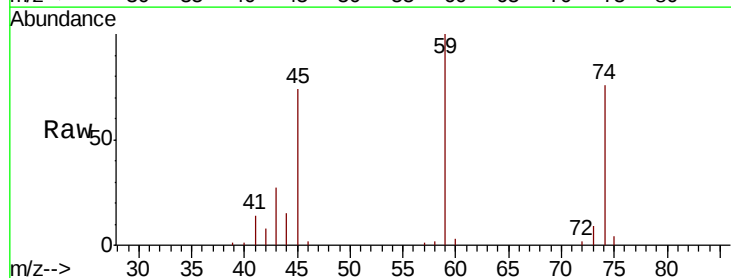
Tot Ion:101 Resp: 66517
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.4 78.6

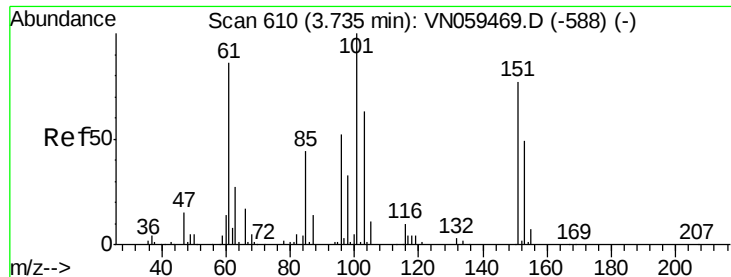


#8

Diethyl Ether
 Concen: 18.676 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion: 74 Resp: 31387
 Ion Ratio Lower Upper
 74 100
 45 100.9 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.088 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

ClientSampled :

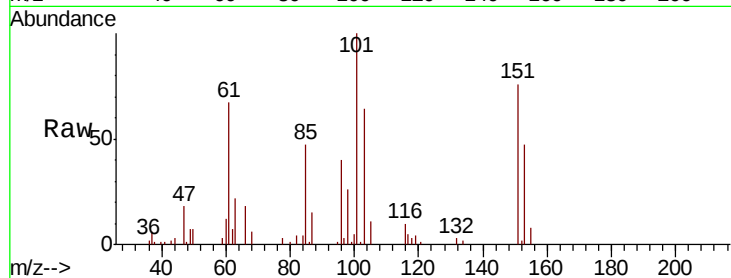
Tot Ion:101 Resp: 48334

Ion Ratio Lower Upper

101 100

85 47.6 35.2 52.8

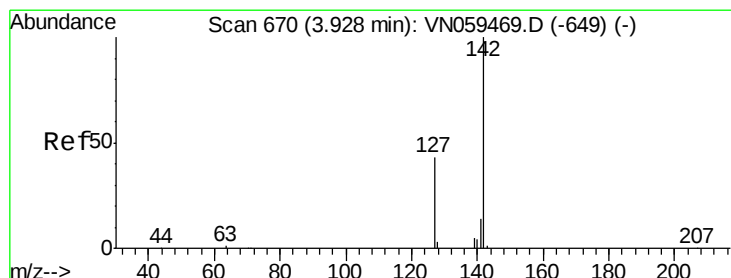
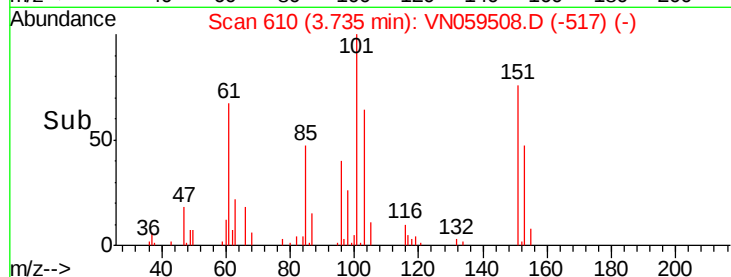
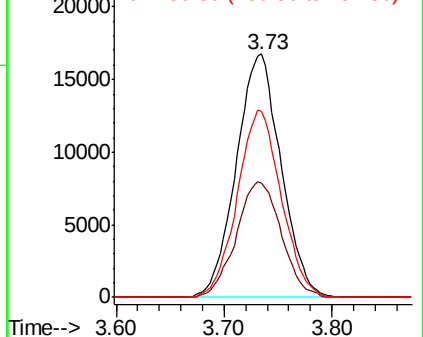
151 75.3 62.4 93.6



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: 18.670 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

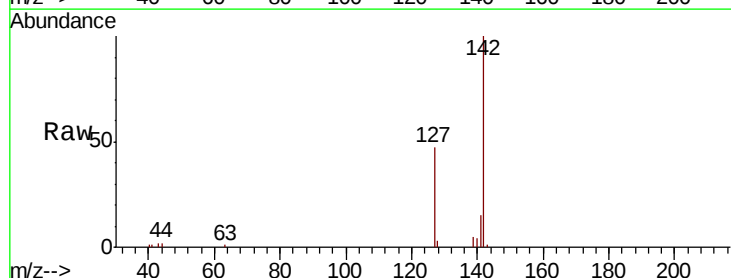
Tgt Ion:142 Resp: 59859

Ion Ratio Lower Upper

142 100

127 45.8 34.6 52.0

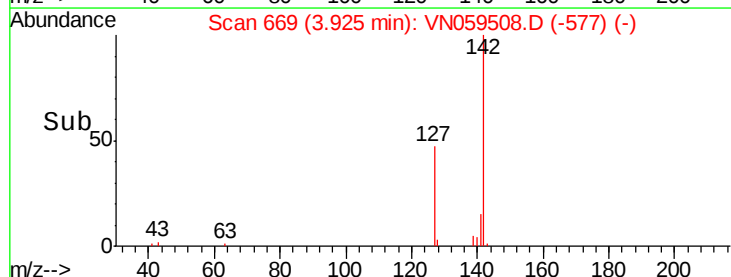
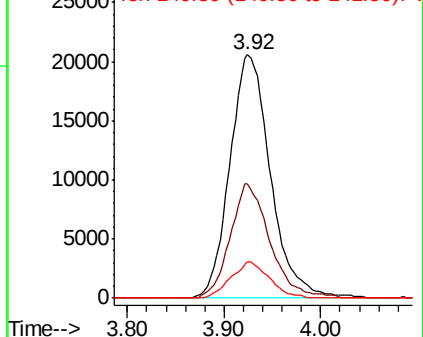
141 14.1 11.4 17.0

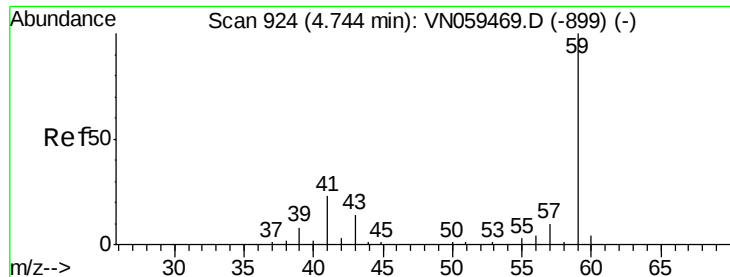


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

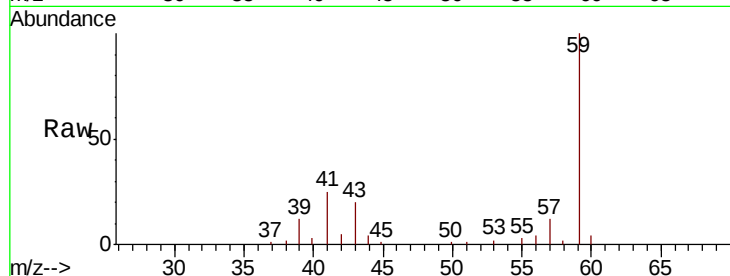




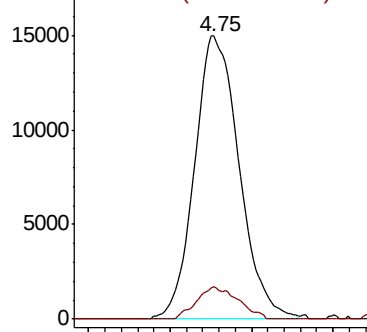
#11
Tert butyl alcohol
Concen: 101.695 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.01 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :

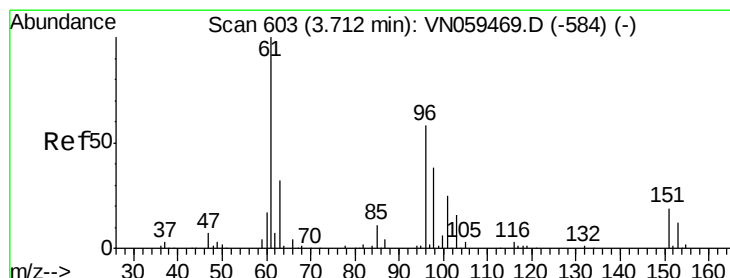
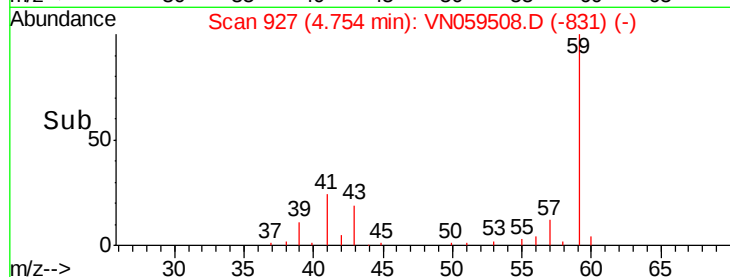
Tot Ion: 59 Resp: 56811
Ion Ratio Lower Upper
59 100
57 10.6 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

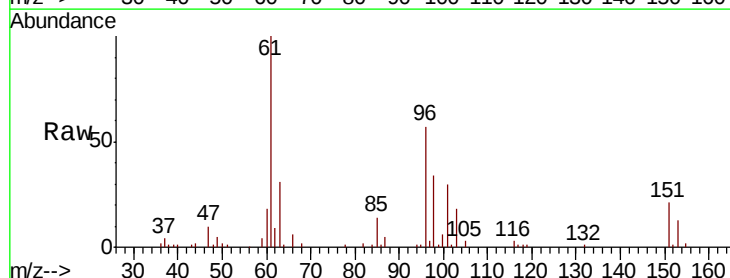


Time--> 4.60 4.70 4.80 4.90

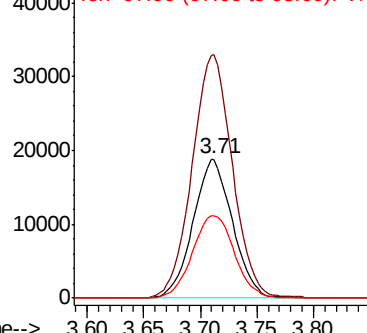


#12
1,1-Dichloroethene
Concen: 18.427 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

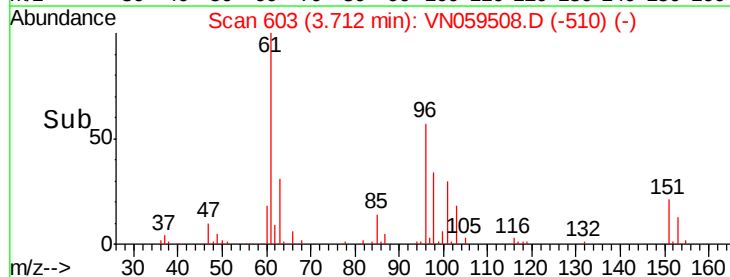
Tgt Ion: 96 Resp: 45612
Ion Ratio Lower Upper
96 100
61 175.2 137.1 205.7
98 59.5 52.4 78.6

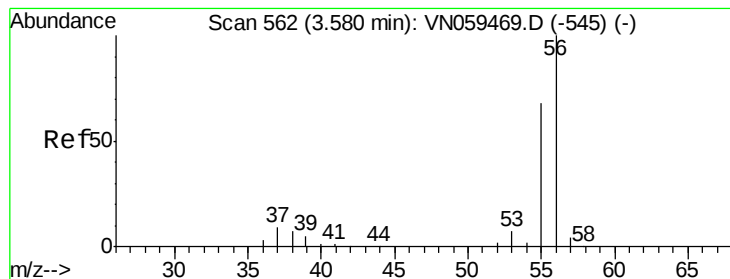


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



Time--> 3.60 3.65 3.70 3.75 3.80





#13

Acrolein

Concen: 89.306 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

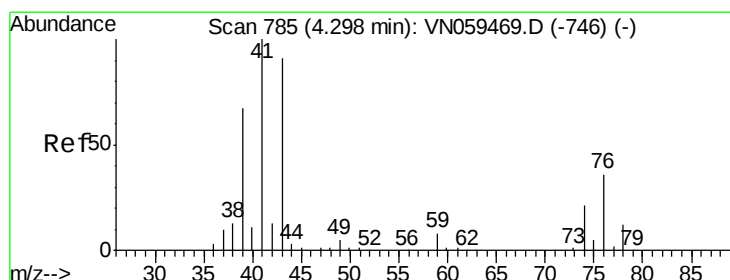
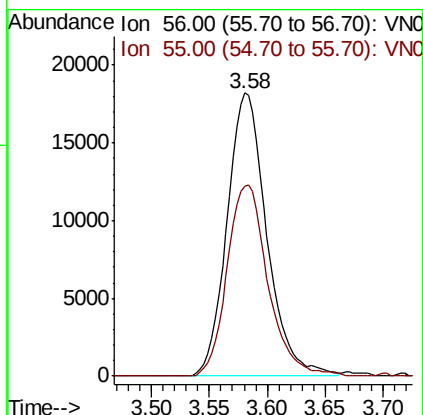
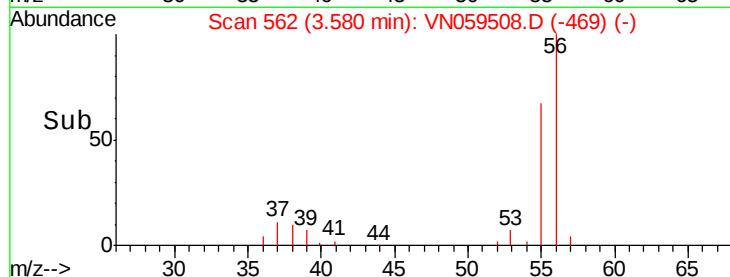
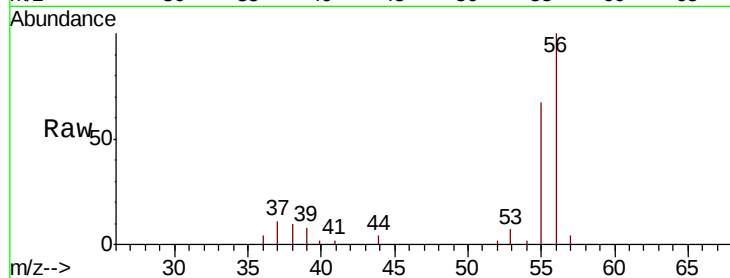
ClientSampleId :

Tot Ion: 56 Resp: 43298

Ion Ratio Lower Upper

56 100

55 69.5 56.5 84.7



#14

Allyl chloride

Concen: 18.785 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

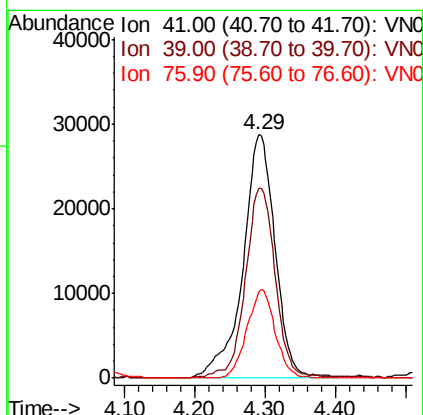
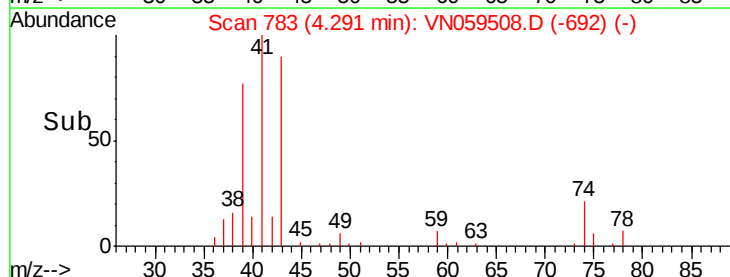
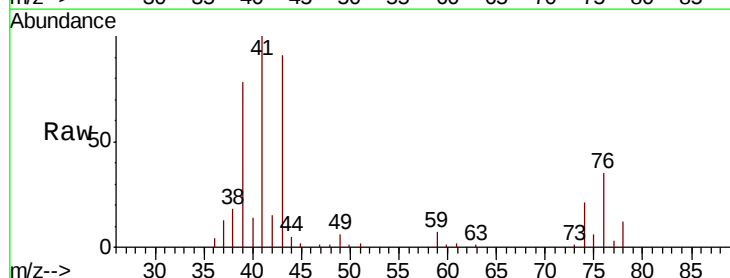
Tgt Ion: 41 Resp: 91579

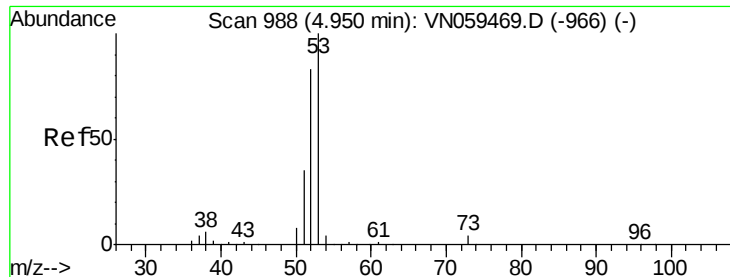
Ion Ratio Lower Upper

41 100

39 70.3 49.3 73.9

76 31.7 25.6 38.4





#15

Acrylonitrile

Concen: 96.407 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

ClientSampled :

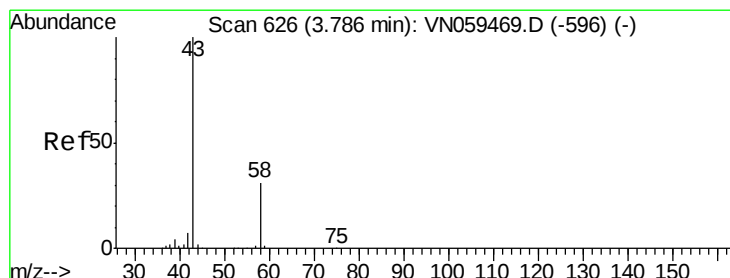
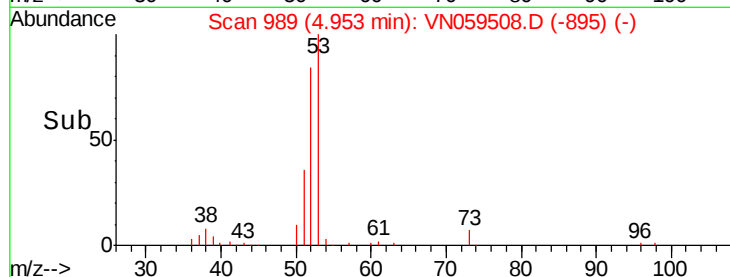
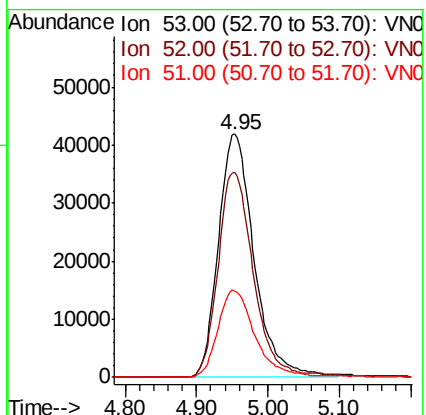
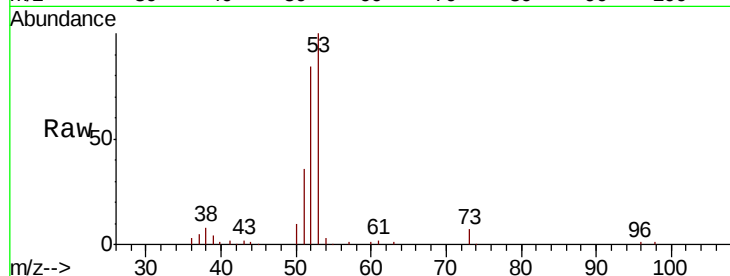
Tot Ion: 53 Resp: 145703

Ion Ratio Lower Upper

53 100

52 82.7 65.5 98.3

51 37.3 28.5 42.7



#16

Acetone

Concen: 96.382 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059508.D

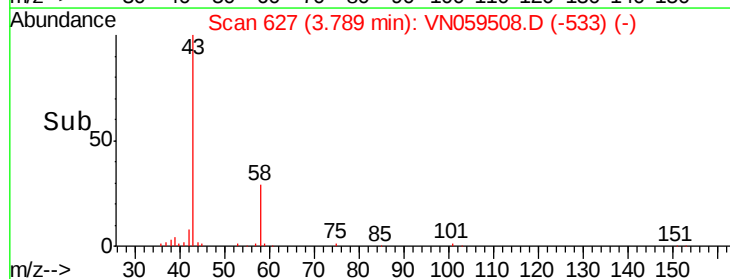
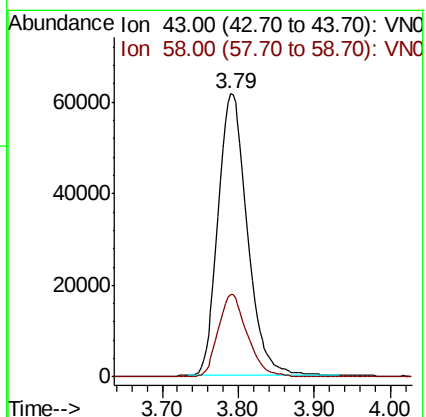
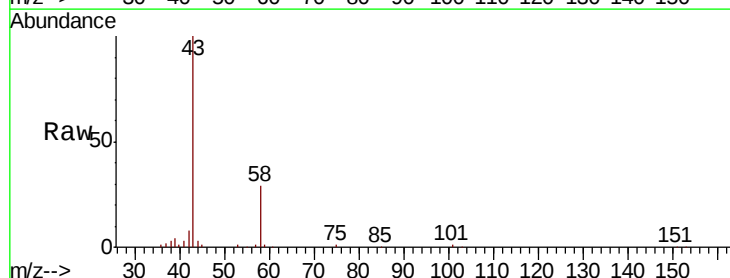
Acq: 6 Dec 2019 12:32

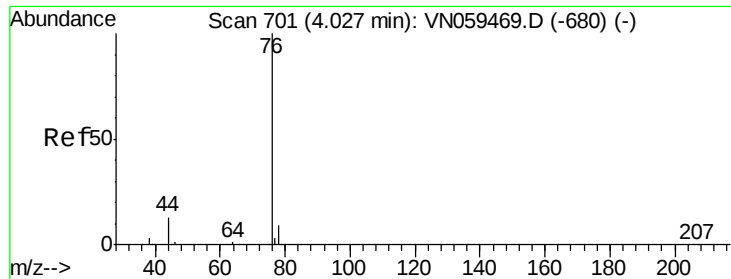
Tgt Ion: 43 Resp: 164857

Ion Ratio Lower Upper

43 100

58 29.5 24.9 37.3

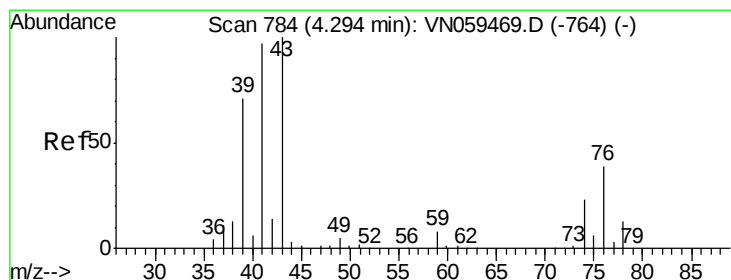
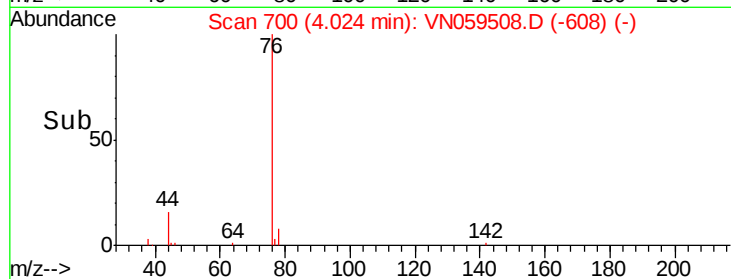
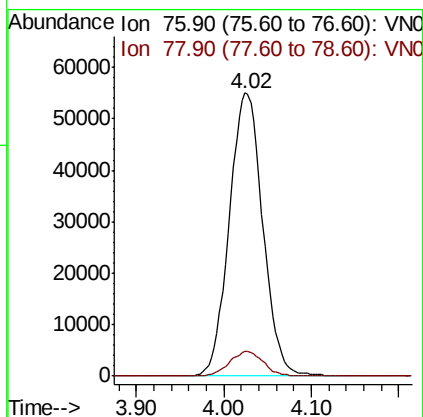
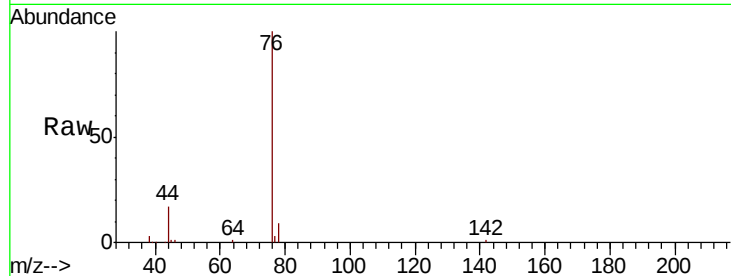




#17
Carbon Disulfide
Concen: 17.303 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

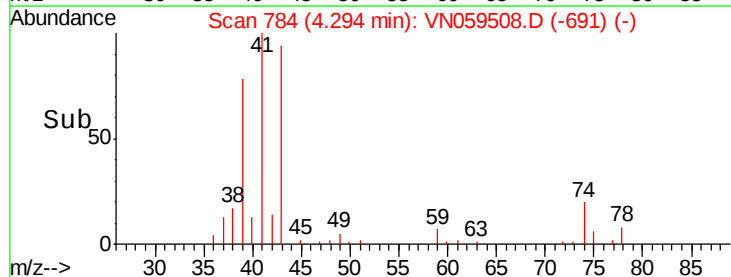
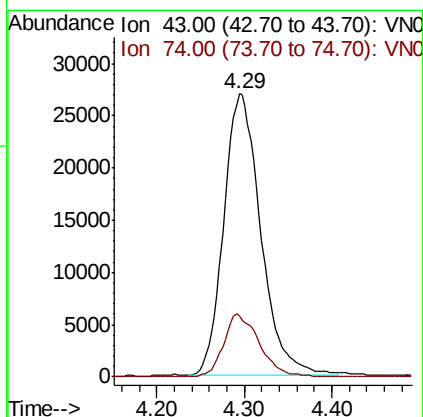
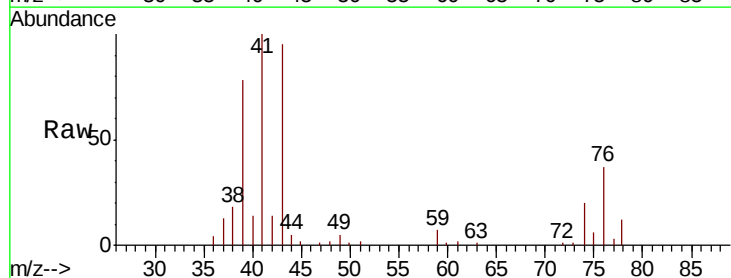
Instrument :
MSVOA_N
ClientSampleId :

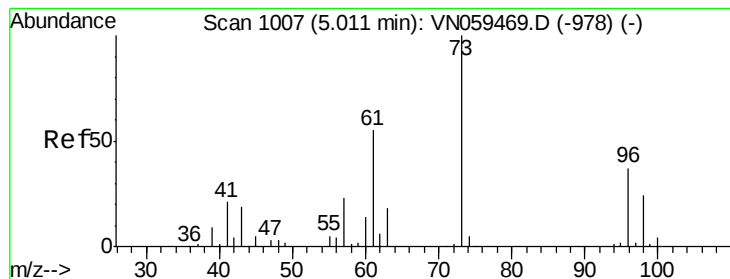
Tot Ion: 76 Resp: 146135
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 19.837 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion: 43 Resp: 79167
Ion Ratio Lower Upper
43 100
74 21.5 18.3 27.5



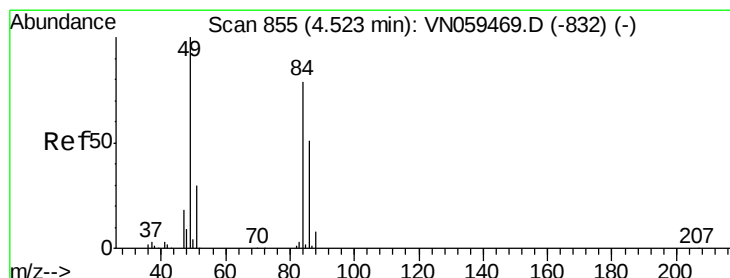
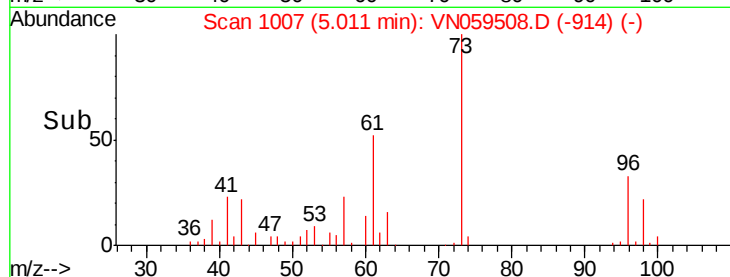
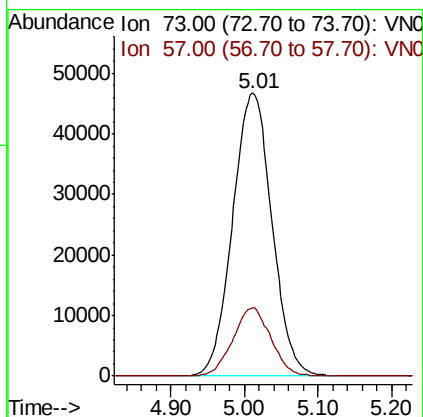
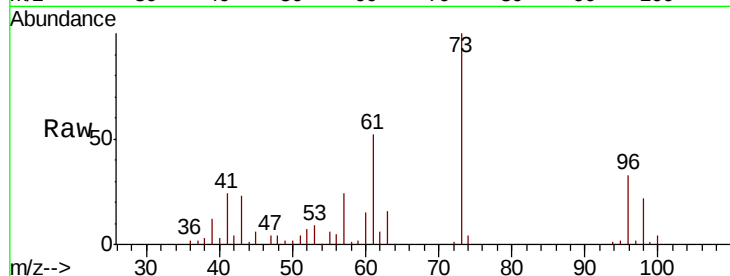


#19

Methyl tert-butyl Ether
 Concen: 20.593 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Instrument :
 MSVOA_N
 ClientSampled :

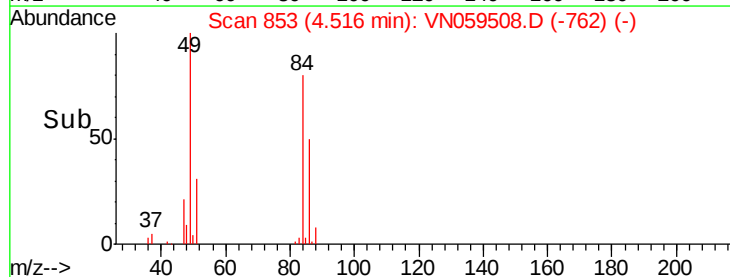
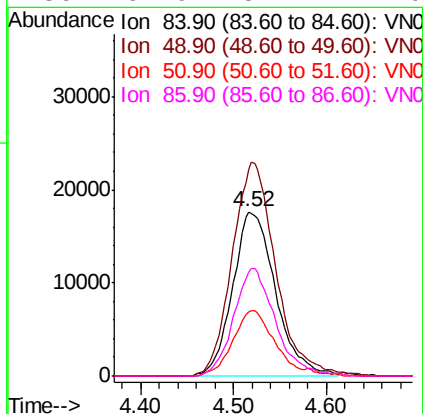
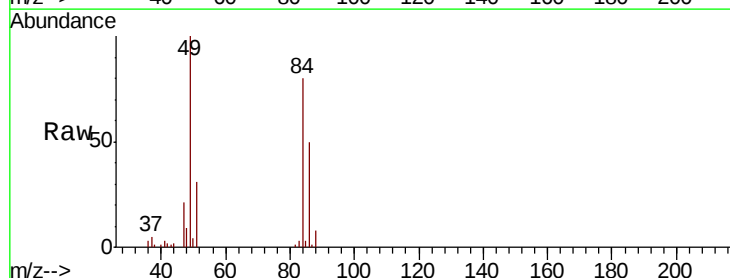
Tot Ion: 73 Resp: 173724
 Ion Ratio Lower Upper
 73 100
 57 24.1 18.0 27.0

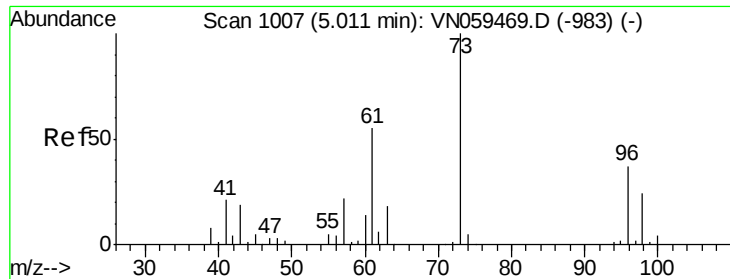


#20

Methylene Chloride
 Concen: 19.598 ug/l
 RT: 4.52 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion: 84 Resp: 56760
 Ion Ratio Lower Upper
 84 100
 49 125.7 101.1 151.7
 51 38.9 30.7 46.1
 86 62.9 51.4 77.0

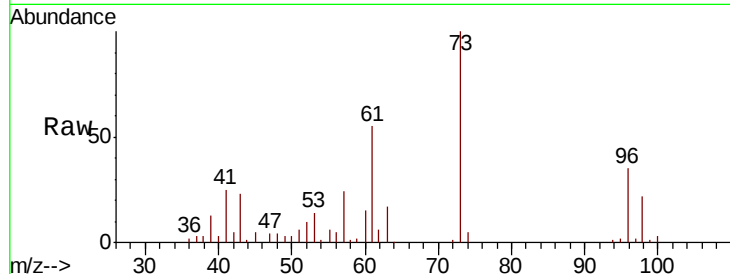




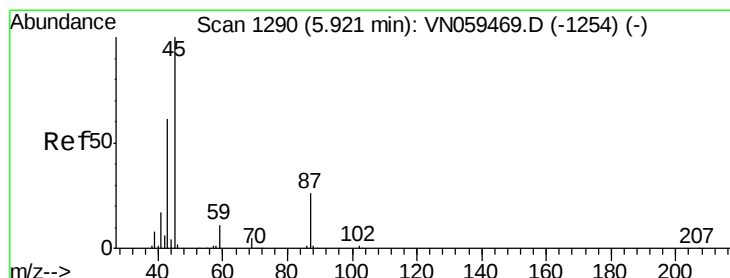
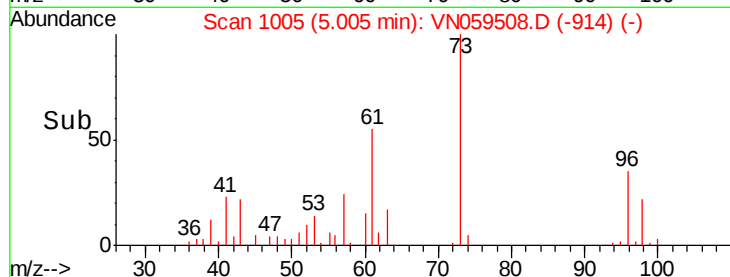
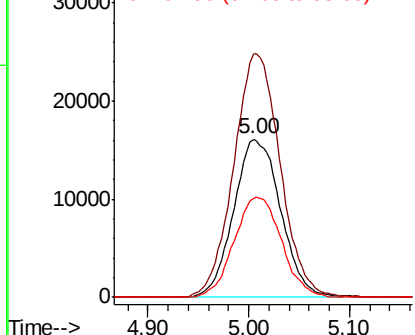
#21
trans-1,2-Dichloroethene
Concen: 18.845 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 52191
Ion Ratio Lower Upper
96 100
61 153.7 118.9 178.3
98 62.7 51.6 77.4

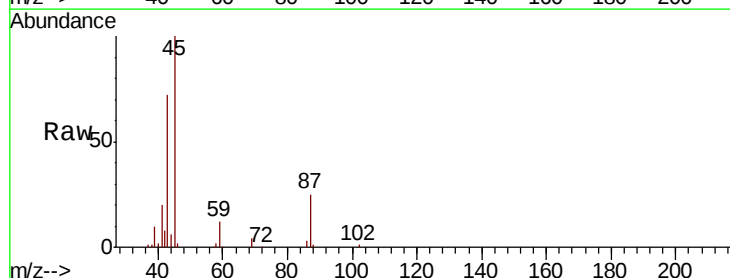


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

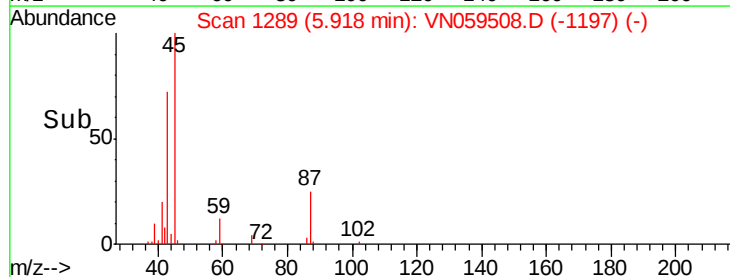
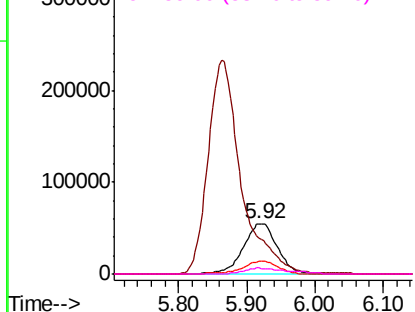


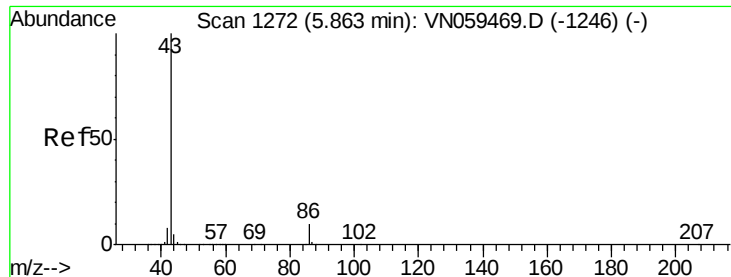
#22
Diisopropyl ether
Concen: 20.873 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion: 45 Resp: 189400
Ion Ratio Lower Upper
45 100
43 70.2 49.1 73.7
87 25.0 21.6 32.4
59 11.4 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: 107.936 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

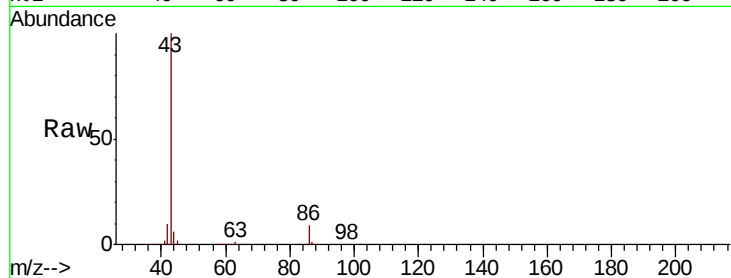
ClientSampled :

Tot Ion: 43 Resp: 785905

Ion Ratio Lower Upper

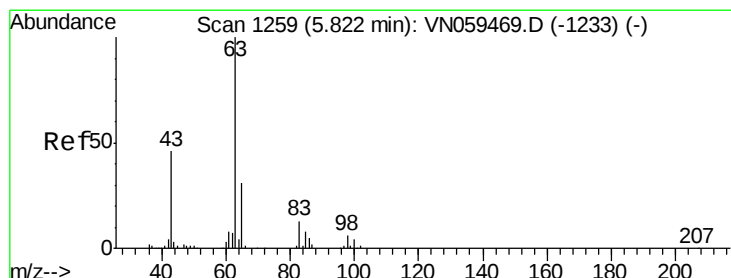
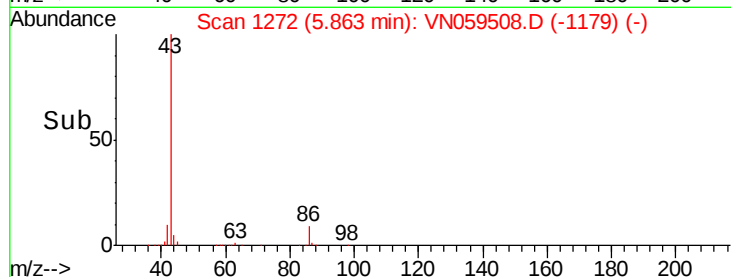
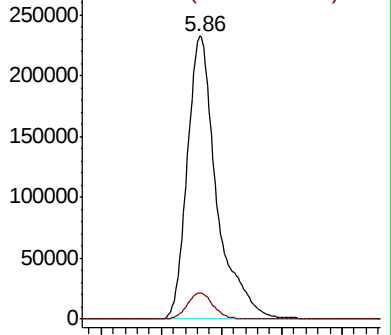
43 100

86 9.3 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.514 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

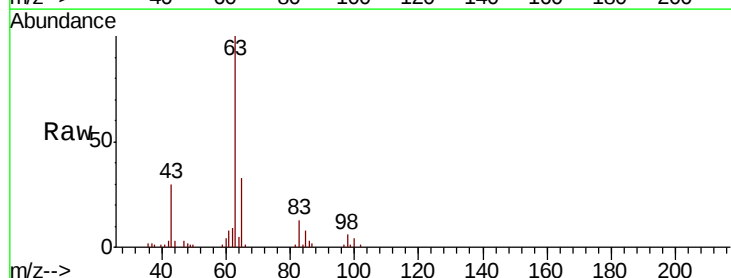
Tgt Ion: 63 Resp: 105742

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

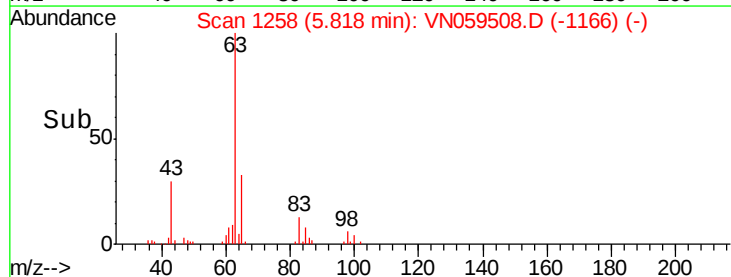
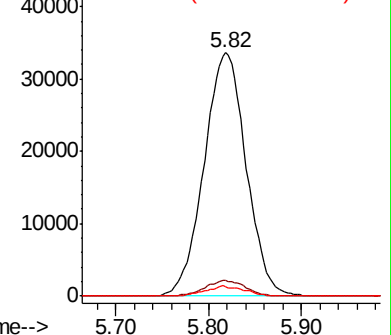
100 3.9 2.0 6.0

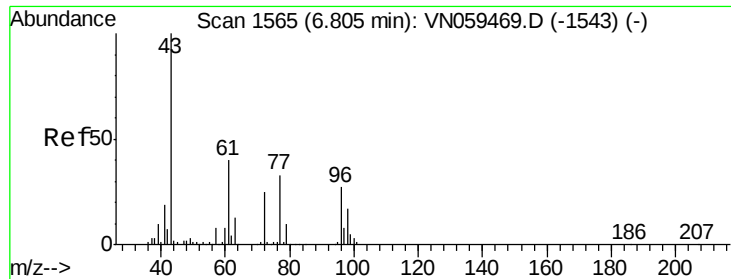


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 96.015 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

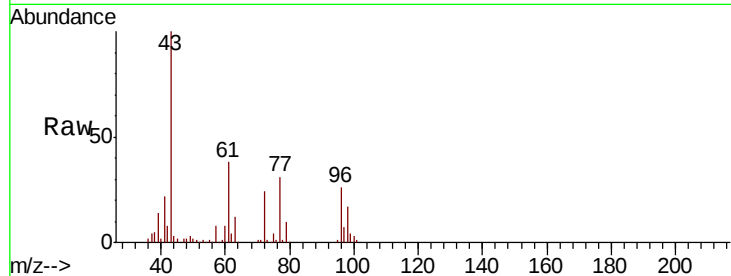
ClientSampled :

Tot Ion: 43 Resp: 216351

Ion Ratio Lower Upper

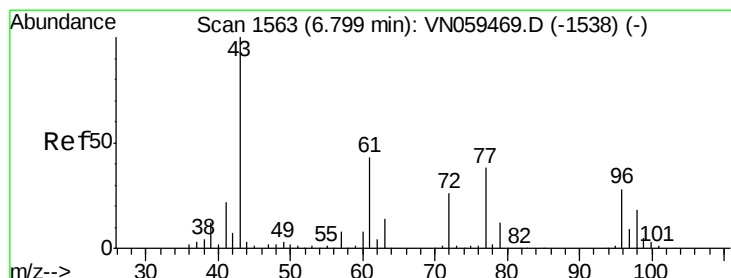
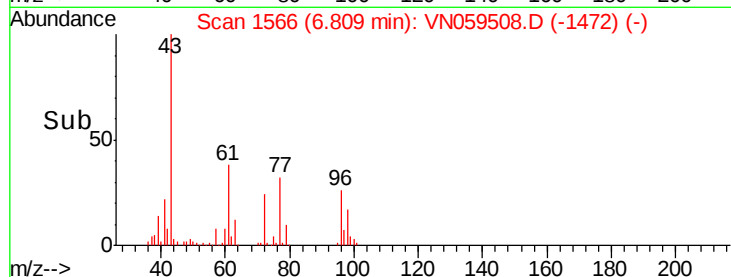
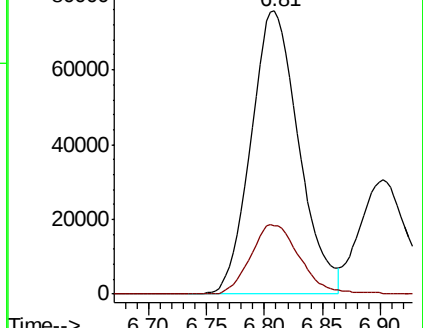
43 100

72 24.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-1543) (-)

Ion 72.00 (71.70 to 72.70): VN059469.D (-1543) (-)



#26

2,2-Dichloropropane

Concen: 20.819 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059508.D

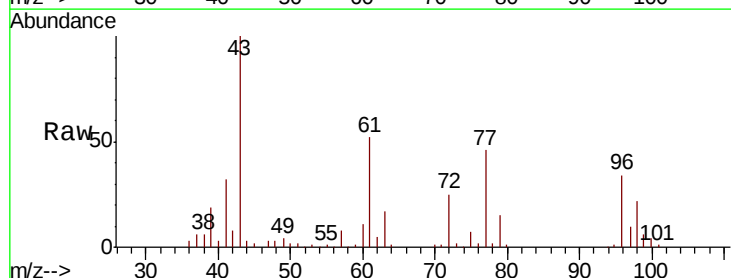
Acq: 6 Dec 2019 12:32

Tgt Ion: 77 Resp: 92820

Ion Ratio Lower Upper

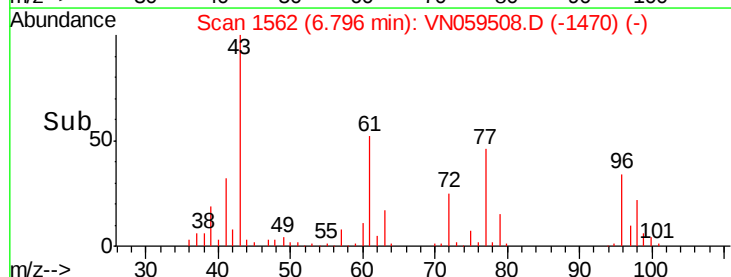
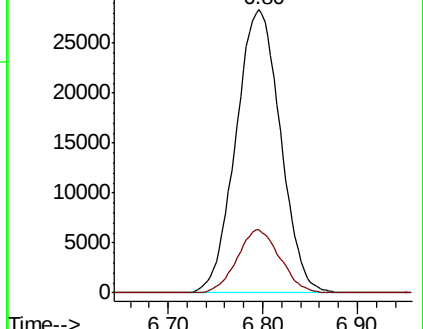
77 100

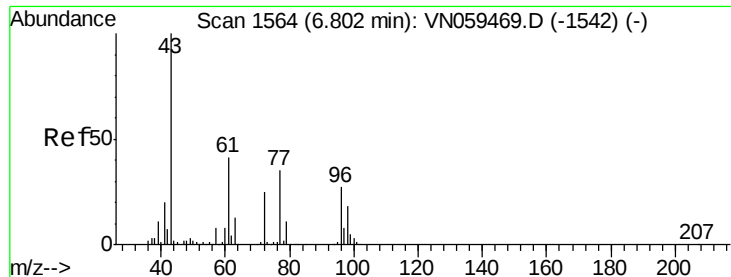
97 21.5 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN059469.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN059469.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 20.037 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :
MSVOA_N
ClientSampleId :

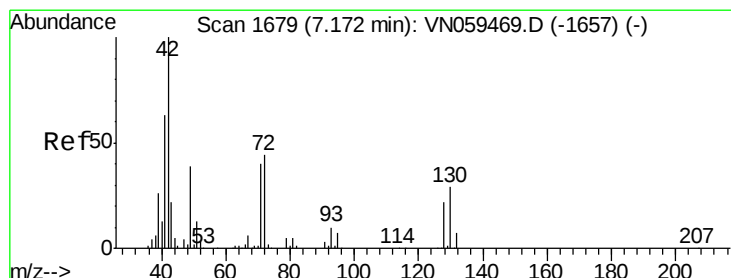
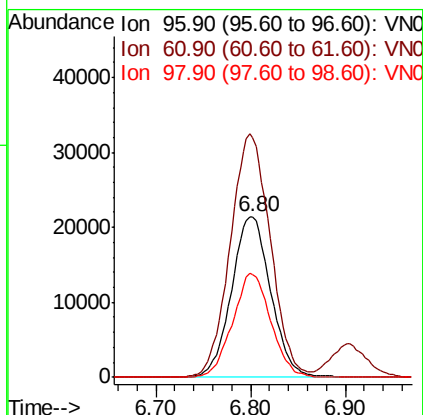
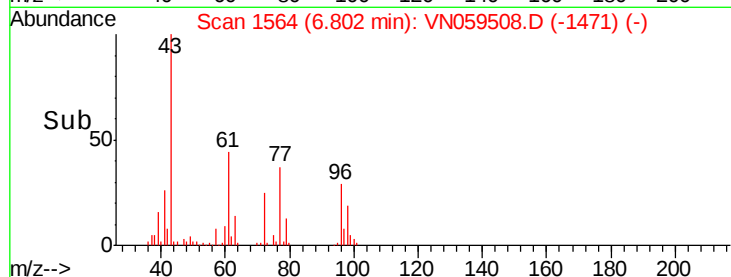
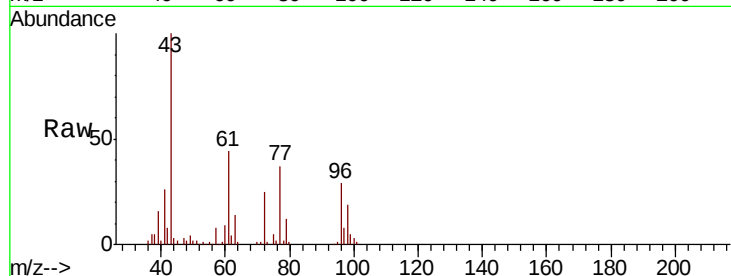
Tot Ion: 96 Resp: 61631

Ion Ratio Lower Upper

96 100

61 155.2 0.0 307.4

98 62.9 0.0 129.2



#28

Bromochloromethane

Concen: 21.683 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

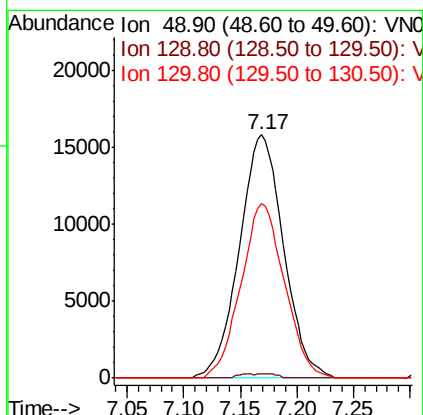
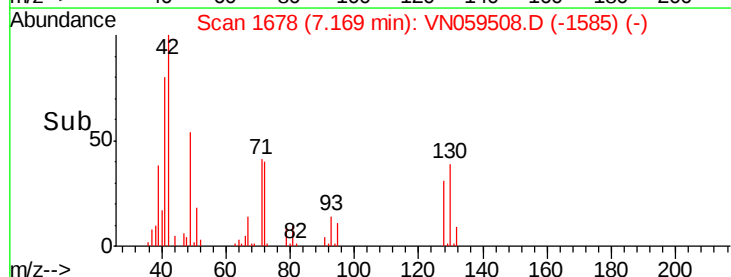
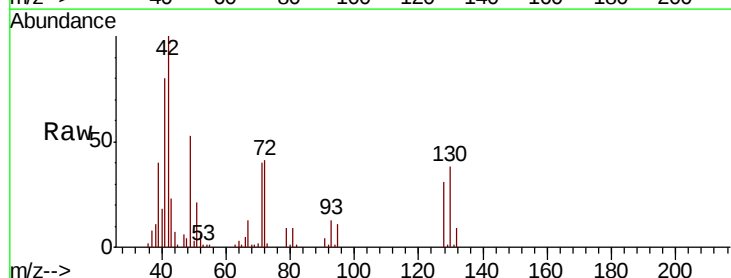
Tgt Ion: 49 Resp: 42843

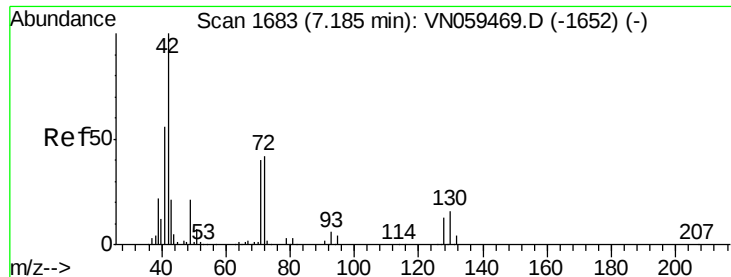
Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.2

130 70.6 58.4 87.6

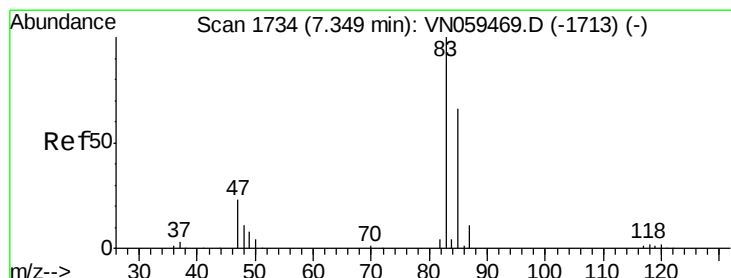
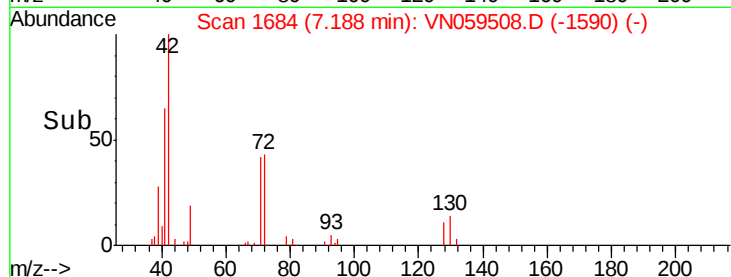
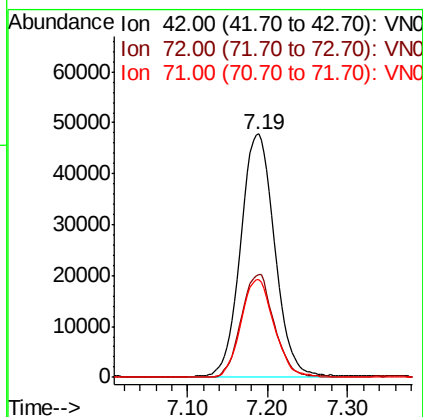
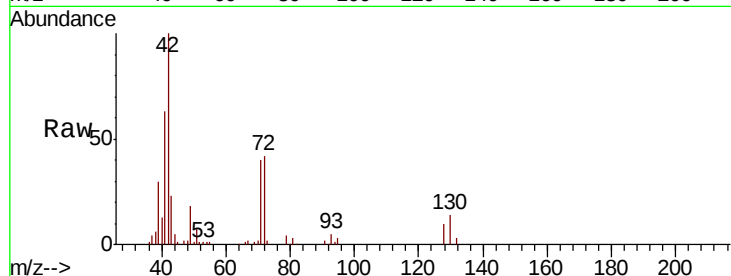




#29
Tetrahydrofuran
Concen: 97.970 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

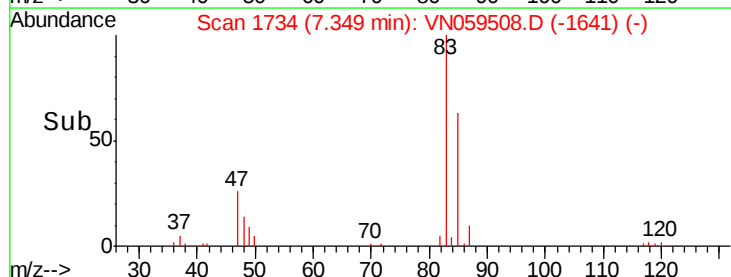
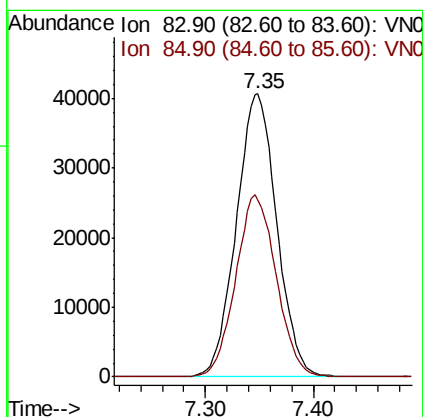
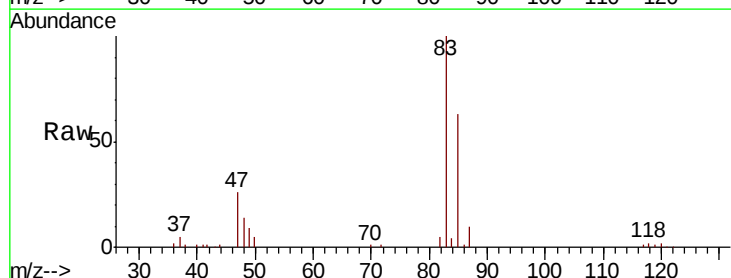
Instrument :
MSVOA_N
ClientSampleId :

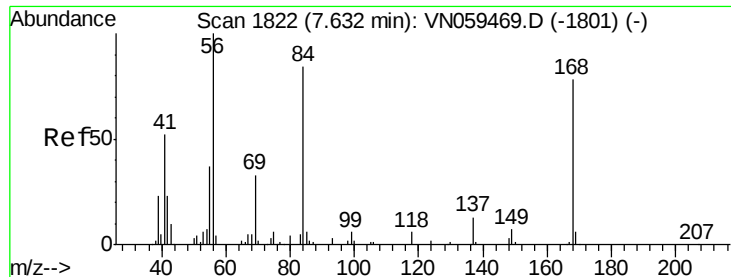
Tot Ion: 42 Resp: 138810
Ion Ratio Lower Upper
42 100
72 40.6 34.2 51.2
71 38.8 32.0 48.0



#30
Chloroform
Concen: 21.285 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion: 83 Resp: 105934
Ion Ratio Lower Upper
83 100
85 62.8 52.4 78.6

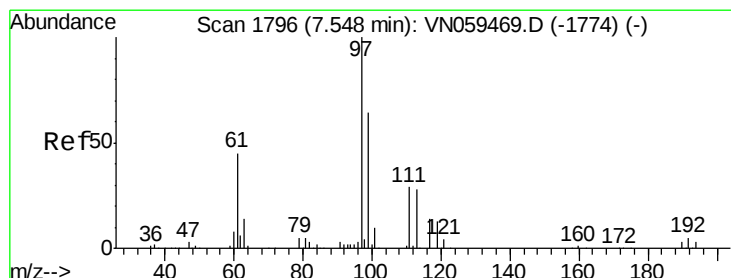
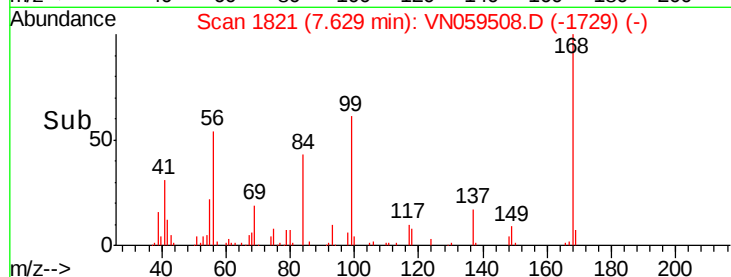
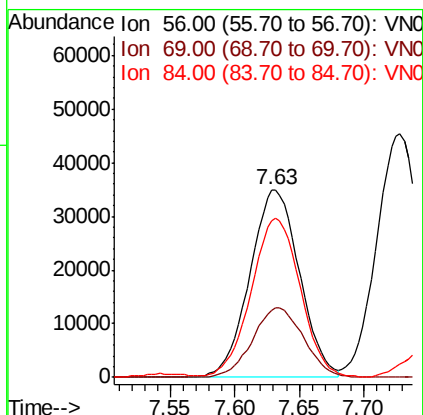
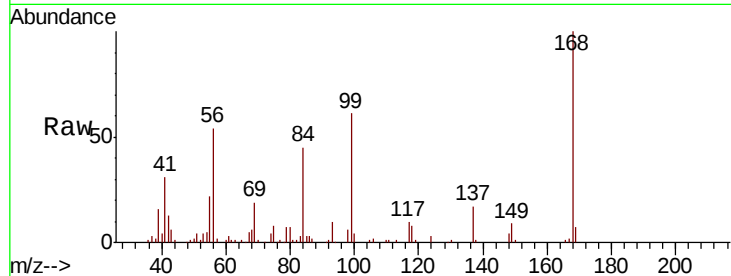




#31
Cyclohexane
Concen: 18.776 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

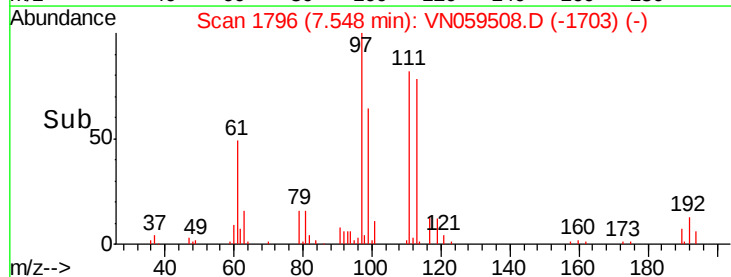
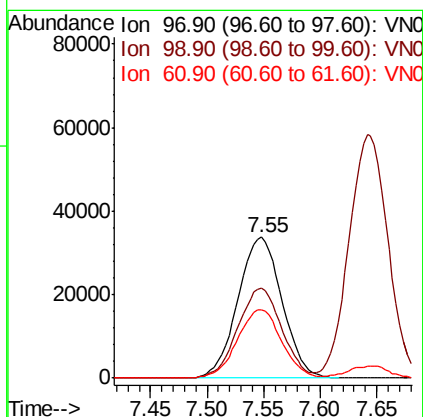
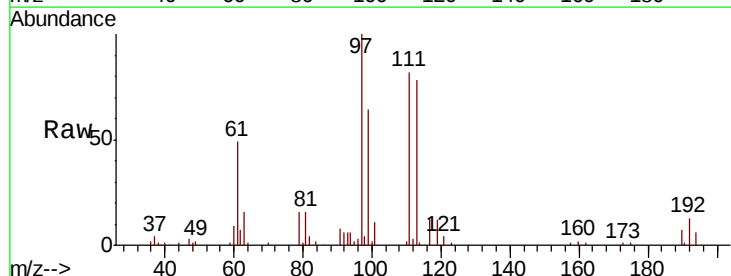
Instrument :
MSVOA_N
ClientSampled :

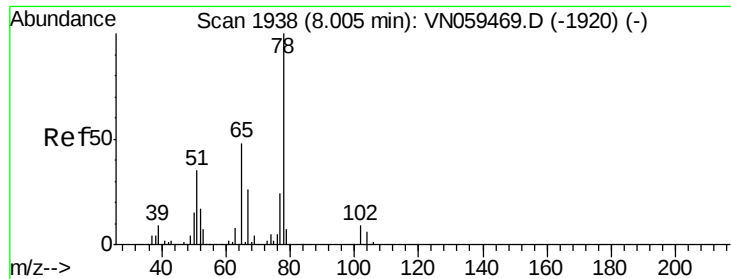
Tot Ion: 56 Resp: 93778
Ion Ratio Lower Upper
56 100
69 35.8 26.2 39.4
84 82.6 66.8 100.2



#32
1,1,1-Trichloroethane
Concen: 21.160 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion: 97 Resp: 91536
Ion Ratio Lower Upper
97 100
99 63.6 51.7 77.5
61 48.9 35.4 53.0

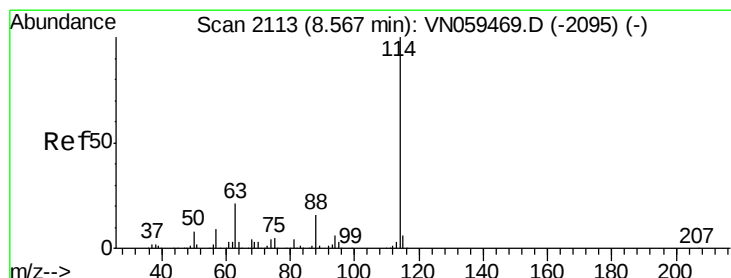
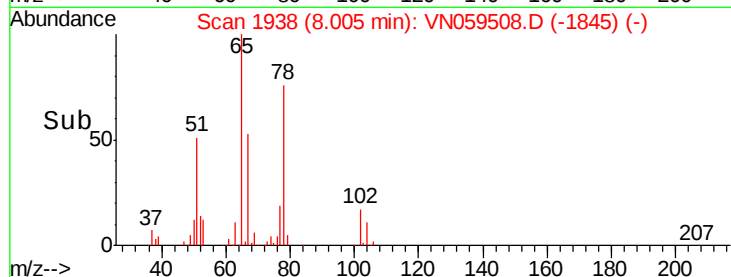
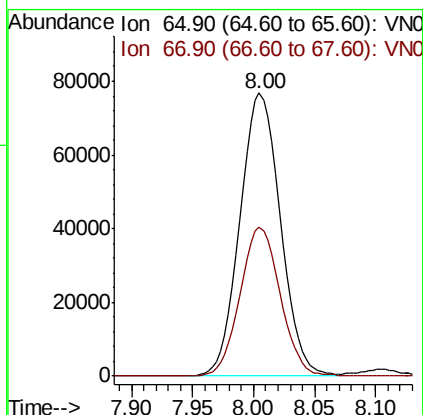
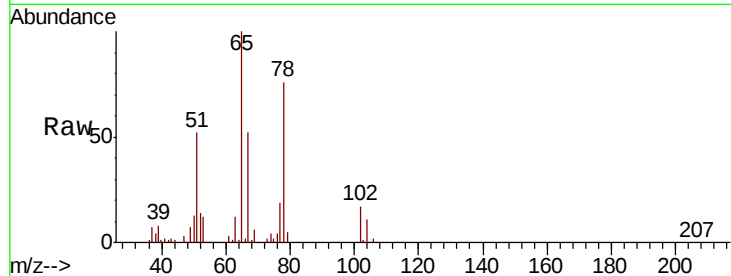




#33
 1,2-Dichloroethane-d4
 Concen: 59.535 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

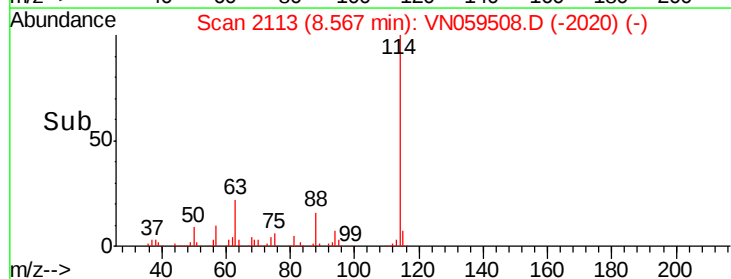
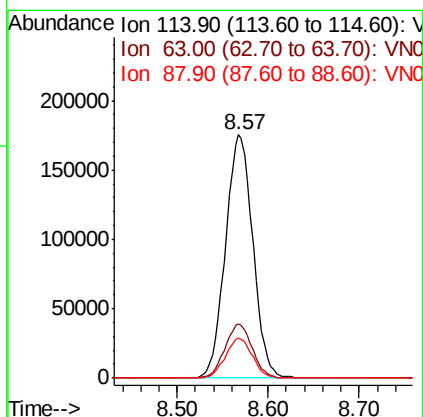
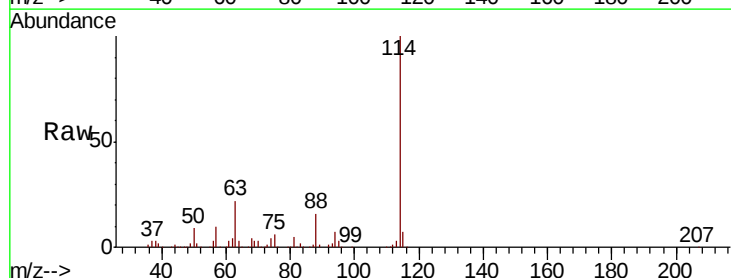
Instrument :
 MSVOA_N
 ClientSampled :

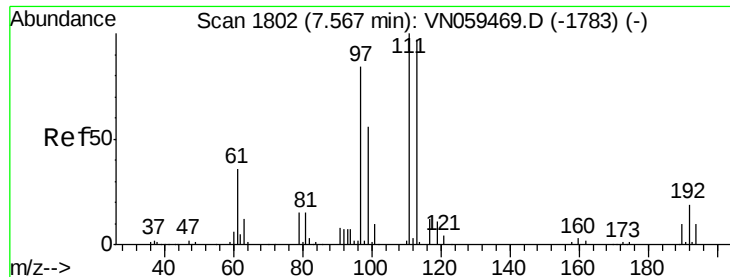
Tot Ion: 65 Resp: 176496
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion: 114 Resp: 366909
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 42.4
 88 16.4 0.0 32.8

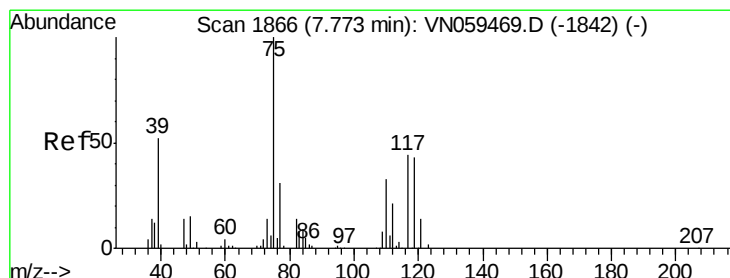
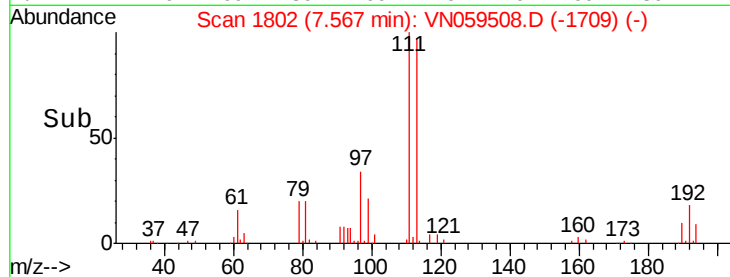
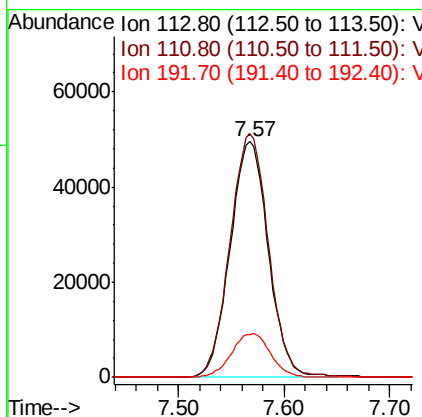
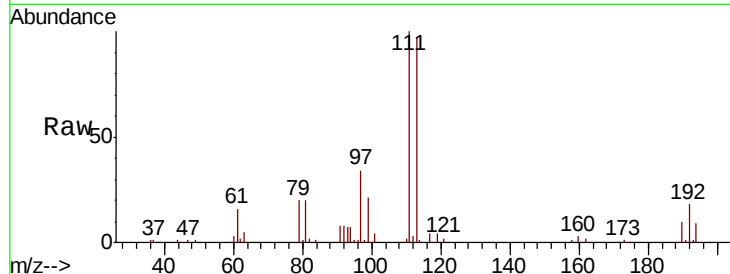




#35
 Dibromofluoromethane
 Concen: 54.583 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

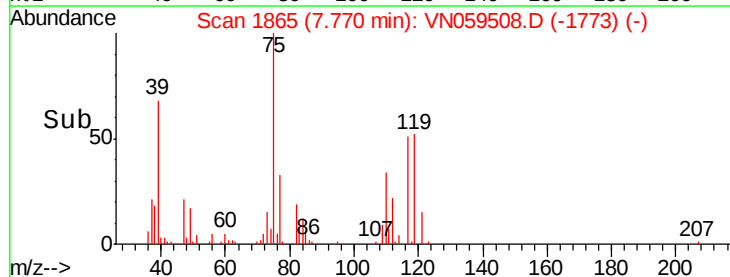
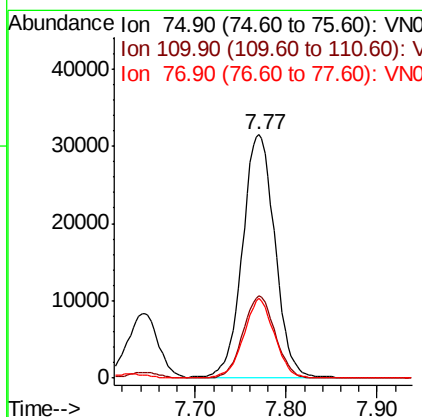
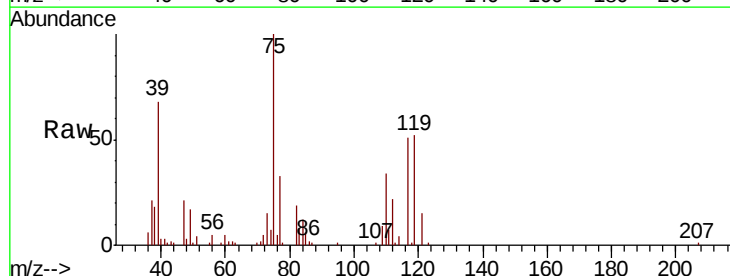
Instrument :
 MSVOA_N
 ClientSampleId :

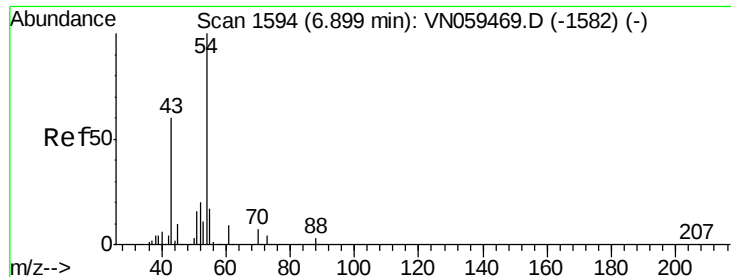
Tot Ion:113 Resp: 124733
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.5 123.7
 192 18.9 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 20.463 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion: 75 Resp: 78131
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.9 50.7
 77 30.8 25.1 37.7

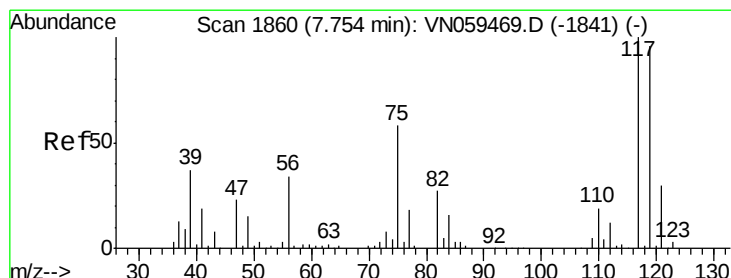
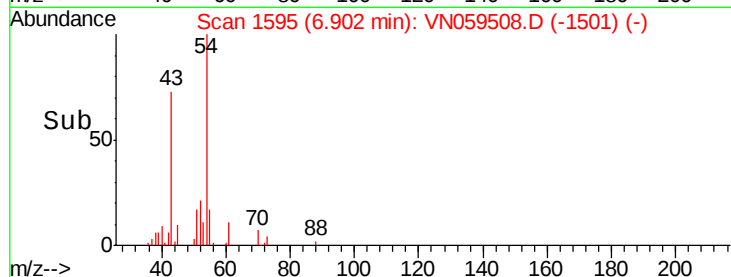
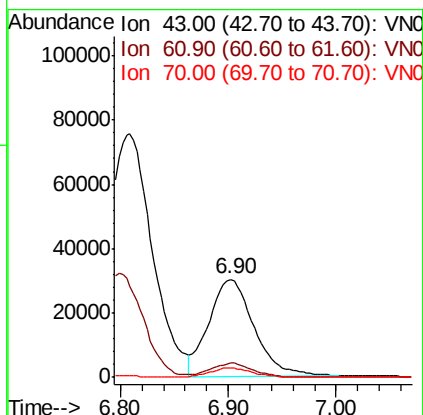
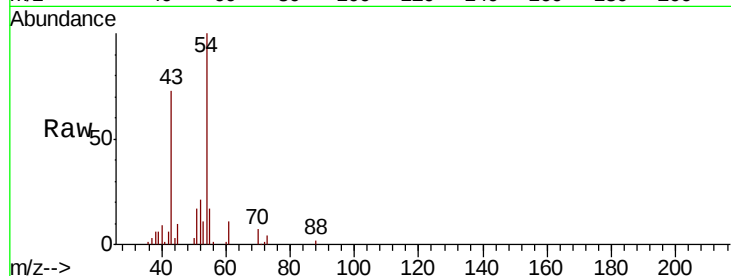




#37
Ethyl Acetate
Concen: 20.564 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

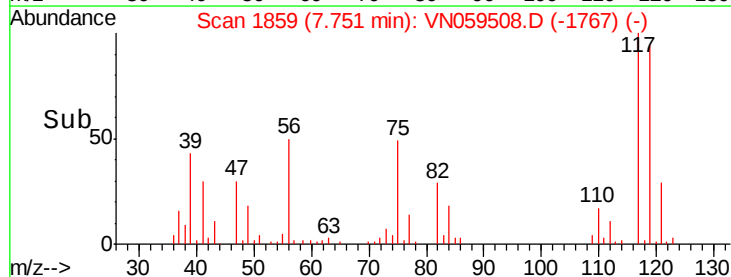
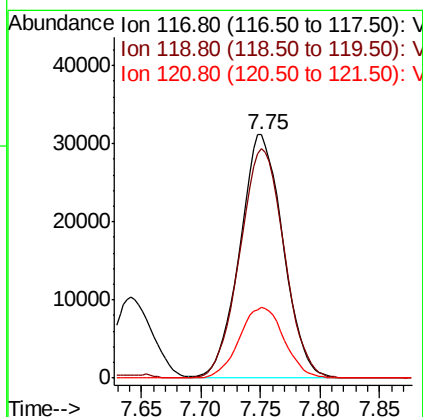
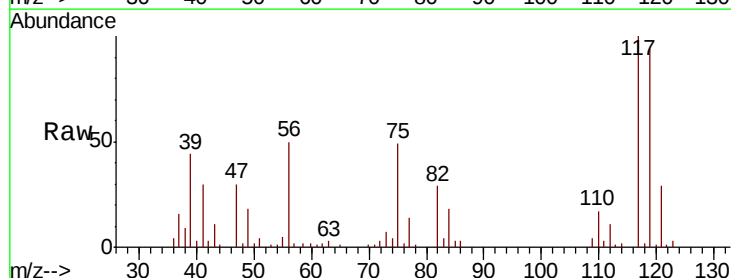
Instrument :
MSVOA_N
ClientSampled :

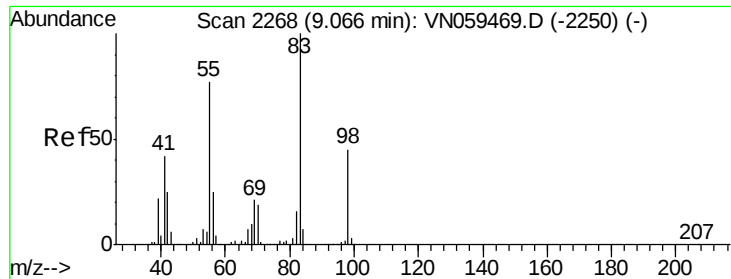
Tot Ion: 43 Resp: 87702
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 9.2 8.3 12.5



#38
Carbon Tetrachloride
Concen: 21.369 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion: 117 Resp: 78475
Ion Ratio Lower Upper
117 100
119 94.1 76.6 114.8
121 28.9 24.0 36.0

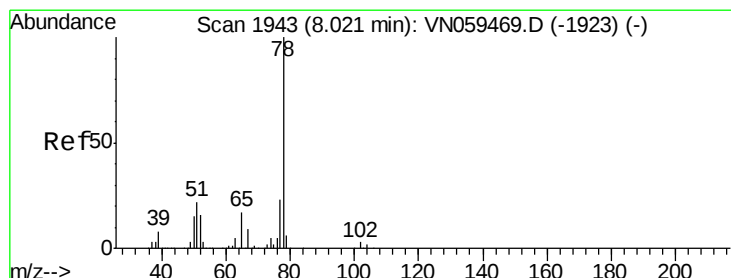
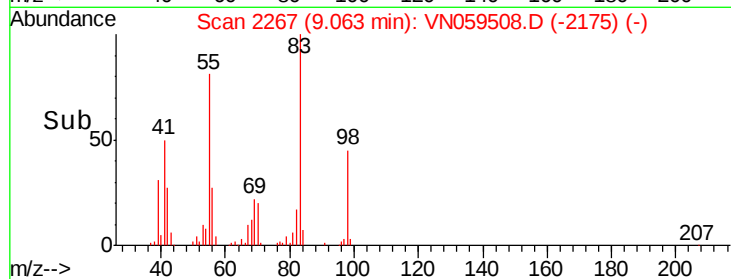
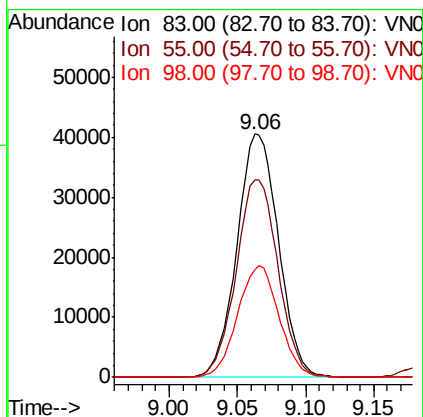
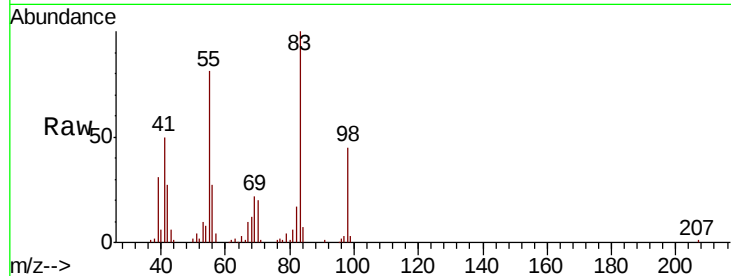




#39
Methvlcvclohexane
Concen: 18.672 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

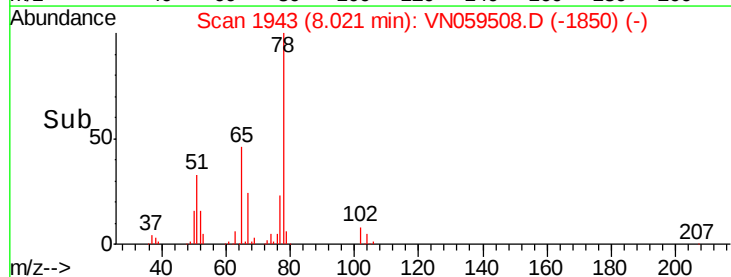
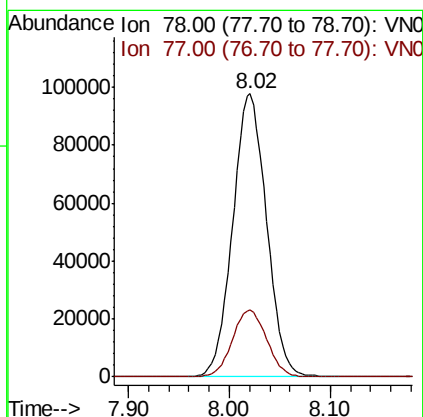
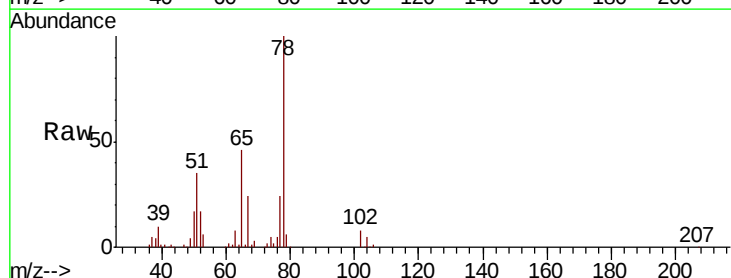
Instrument :
MSVOA_N
ClientSampleId :

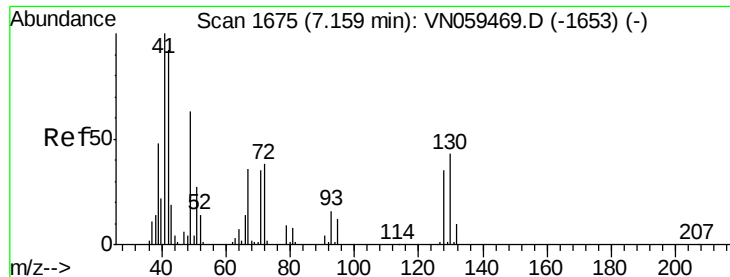
Tot Ion: 83 Resp: 85795
Ion Ratio Lower Upper
83 100
55 81.2 61.8 92.6
98 44.5 36.2 54.2



#40
Benzene
Concen: 20.340 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion: 78 Resp: 227421
Ion Ratio Lower Upper
78 100
77 23.7 18.2 27.2

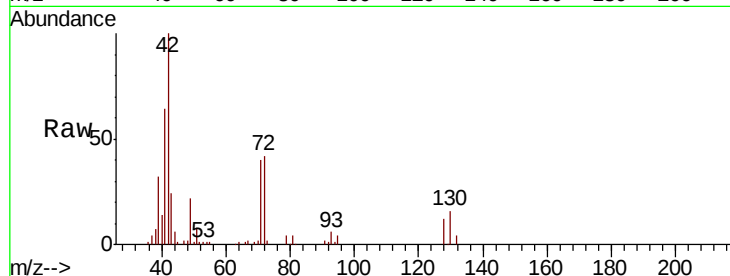




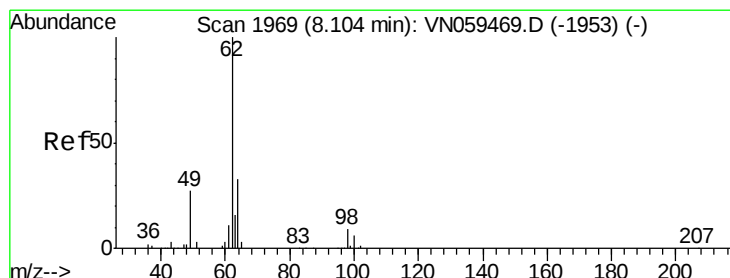
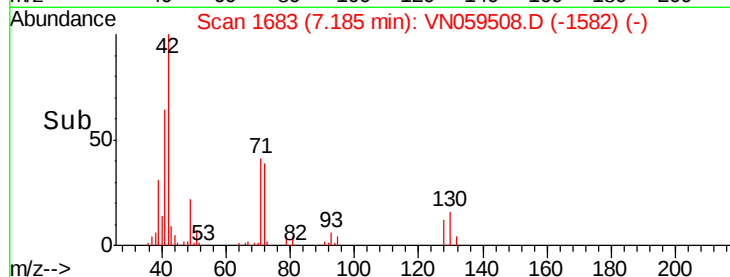
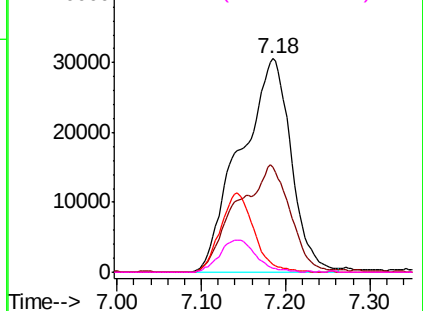
#41
Methacrylonitrile
Concen: 73.924 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	127777
Ion	Ratio	Lower	Upper
41	100		
39	52.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

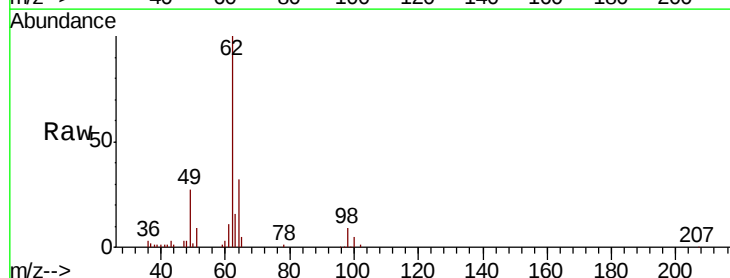


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

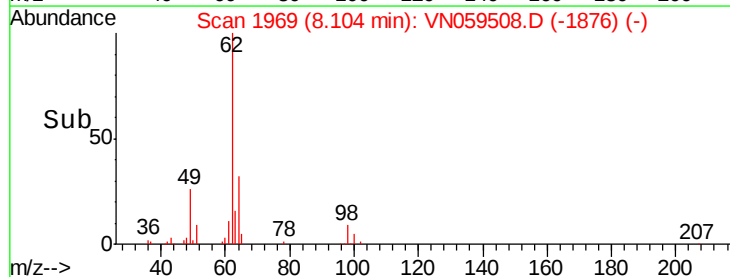
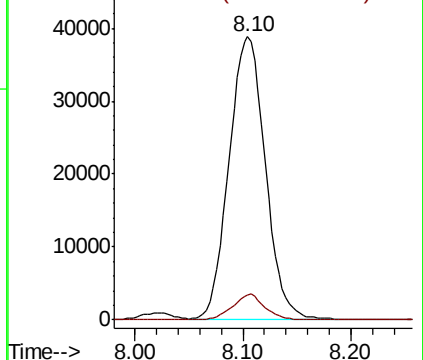


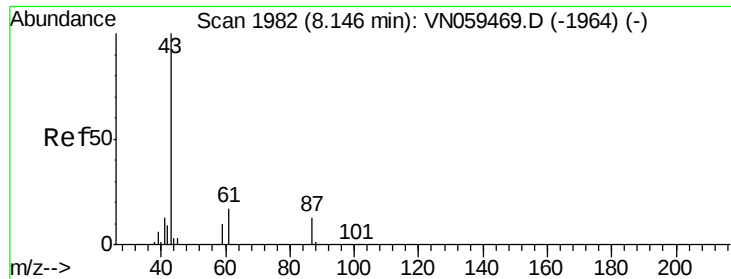
#42
1,2-Dichloroethane
Concen: 24.046 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion:	62	Resp:	91327
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.8



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



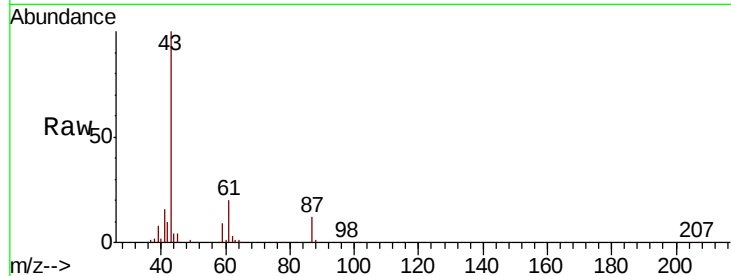


#43

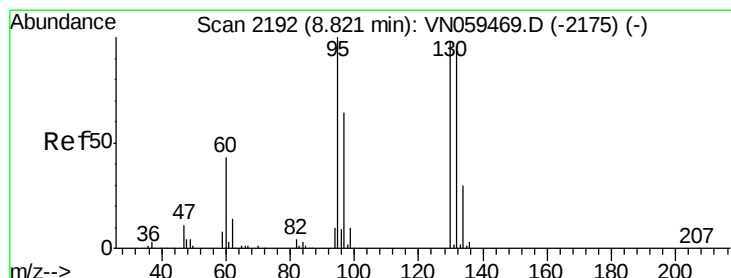
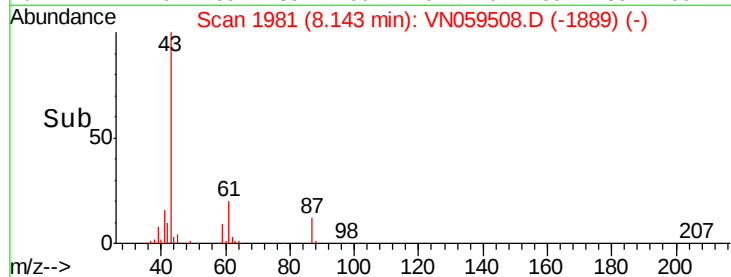
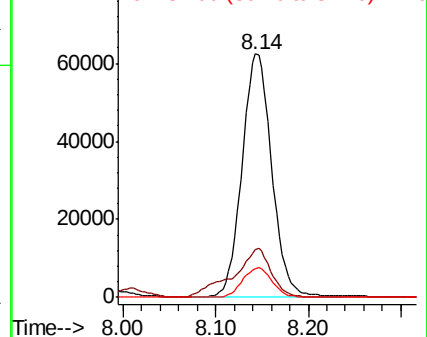
Isopropyl Acetate
 Concen: 21.972 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 139378
 Ion Ratio Lower Upper
 43 100
 61 25.5 21.0 31.6
 87 12.0 10.4 15.6



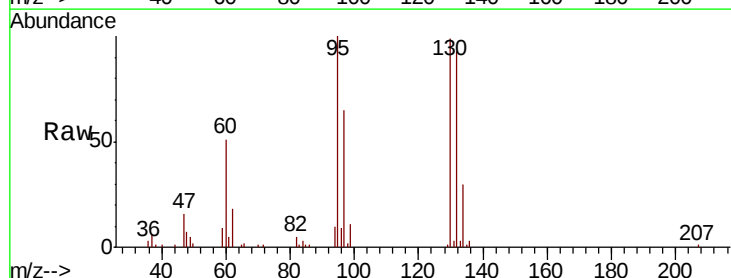
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



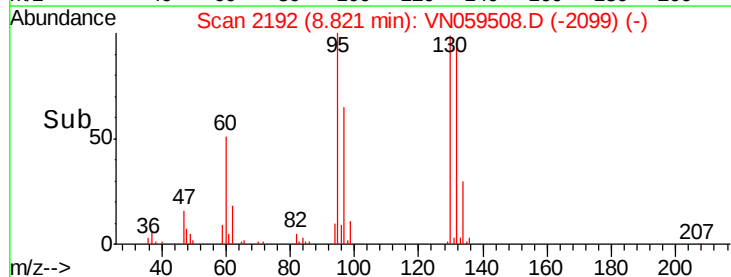
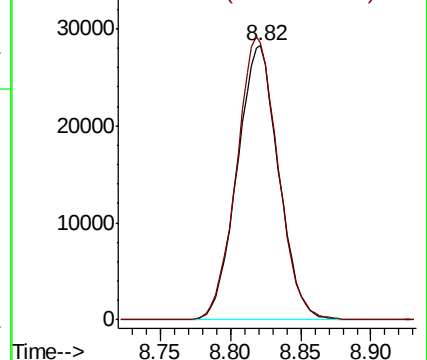
#44

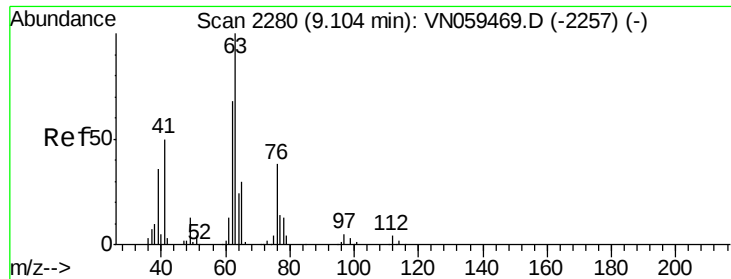
Trichloroethene
 Concen: 19.835 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion:130 Resp: 57956
 Ion Ratio Lower Upper
 130 100
 95 101.0 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 20.555 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

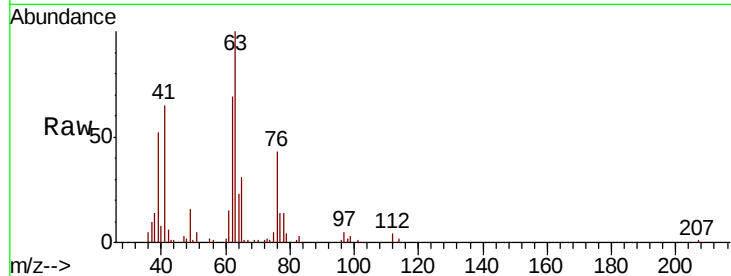
ClientSampleId :

Tot Ion: 63 Resp: 61402

Ion Ratio Lower Upper

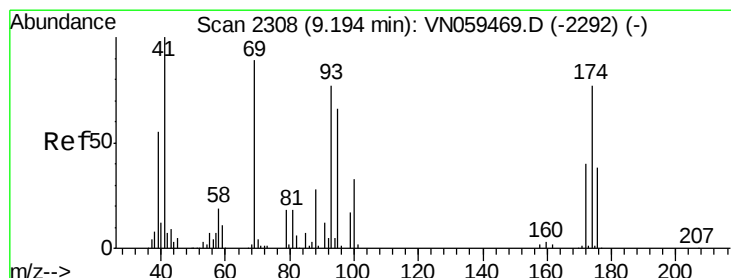
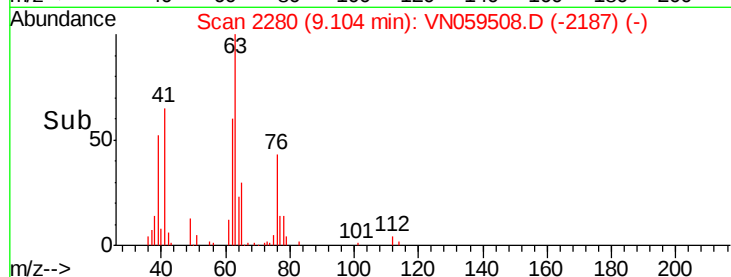
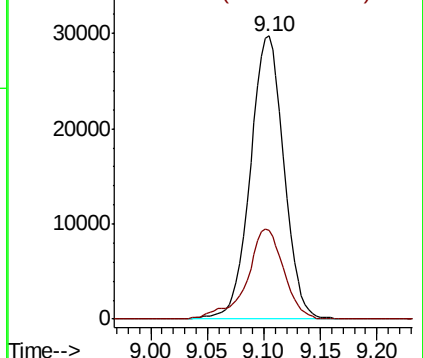
63 100

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: 22.019 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

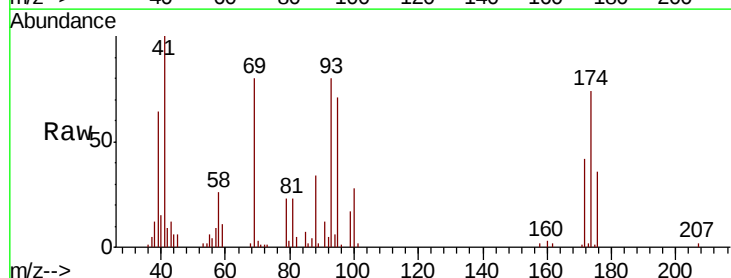
Tgt Ion: 93 Resp: 40951

Ion Ratio Lower Upper

93 100

95 85.7 67.0 100.6

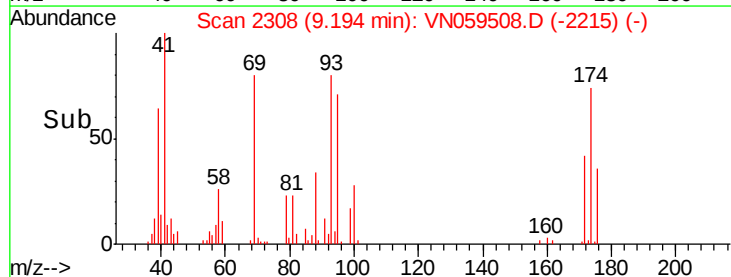
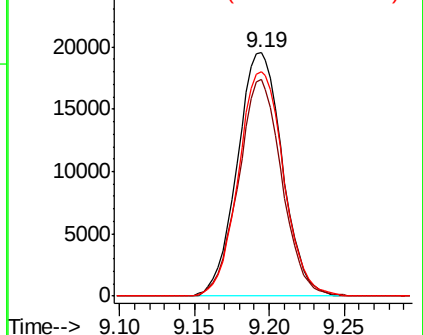
174 92.1 79.6 119.4

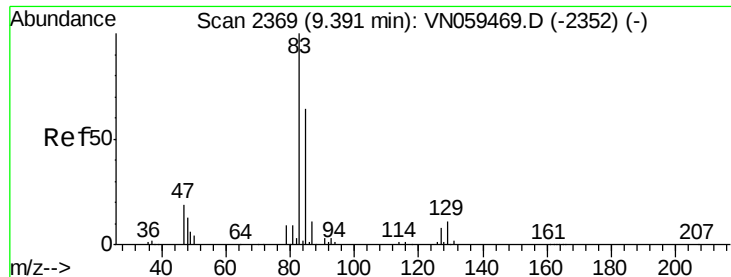


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.195 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

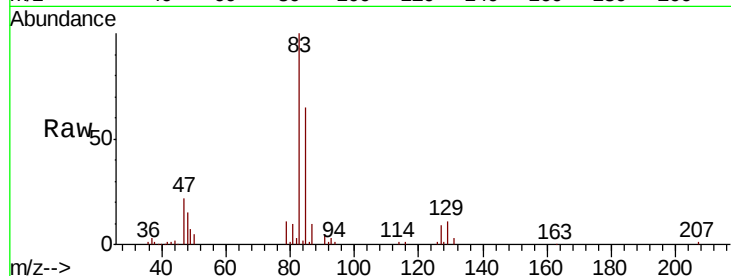
Tot Ion: 83 Resp: 82764

Ion Ratio Lower Upper

83 100

85 64.5 51.0 76.6

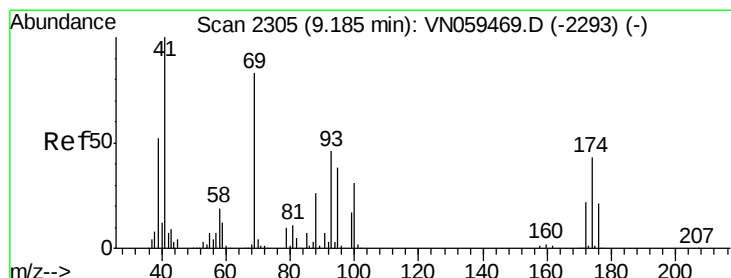
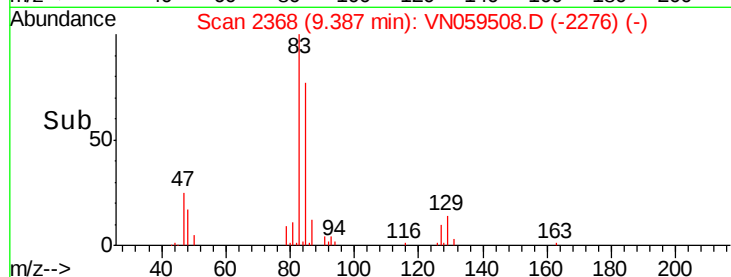
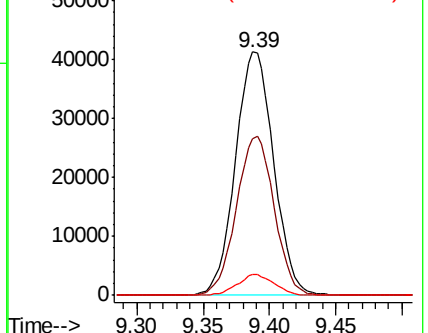
127 8.7 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059469.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059469.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059469.D (-2352) (-)



#48

Methyl methacrylate

Concen: 21.445 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

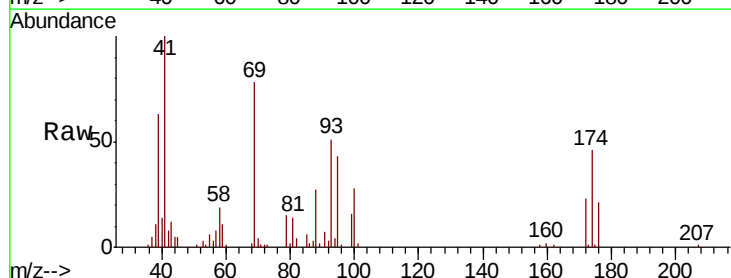
Tgt Ion: 41 Resp: 61371

Ion Ratio Lower Upper

41 100

69 78.4 68.6 103.0

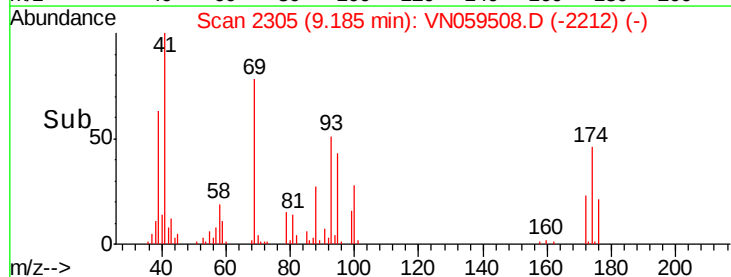
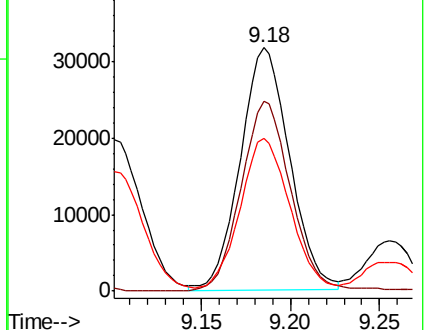
39 63.2 43.2 64.8

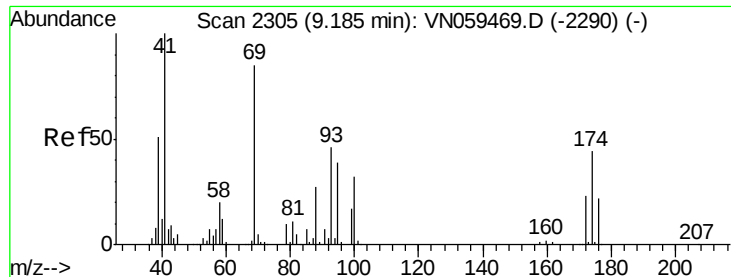


Abundance Ion 41.00 (40.70 to 41.70): VN059469.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN059469.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN059469.D (-2293) (-)





#49

1,4-Dioxane

Concen: 431.116 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :
MSVOA_N
ClientSampled :

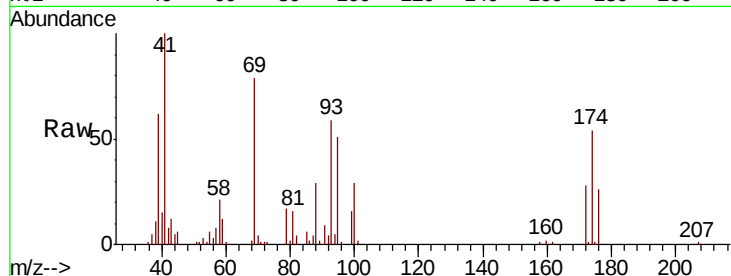
Tot Ion: 88 Resp: 18669

Ion Ratio Lower Upper

88 100

43 40.2 27.1 40.7

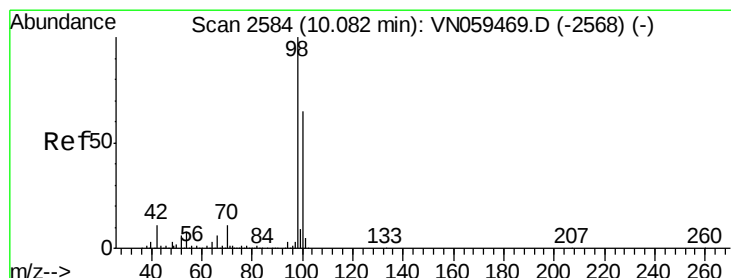
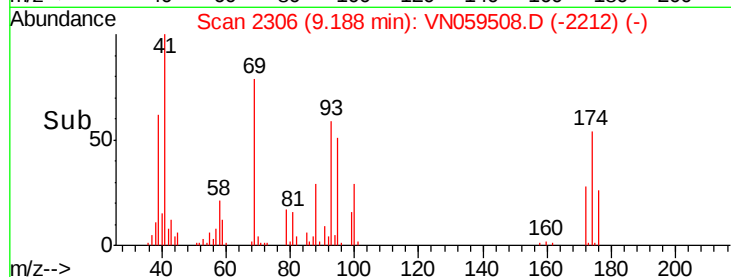
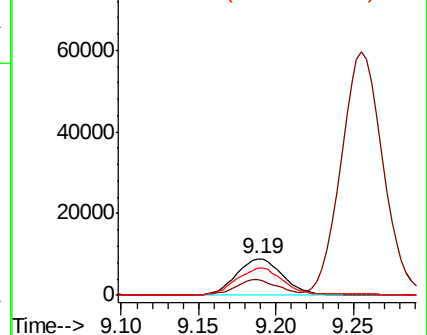
58 74.7 57.8 86.6



Abundance Ion 88.00 (87.70 to 88.70): VN059469.D (-2290) (-)

Ion 43.00 (42.70 to 43.70): VN059469.D (-2290) (-)

Ion 58.00 (57.70 to 58.70): VN059469.D (-2290) (-)



#50

Toluene-d8

Concen: 52.347 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059508.D

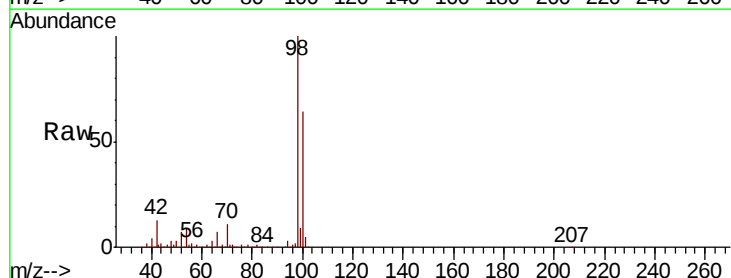
Acq: 6 Dec 2019 12:32

Tgt Ion: 98 Resp: 471654

Ion Ratio Lower Upper

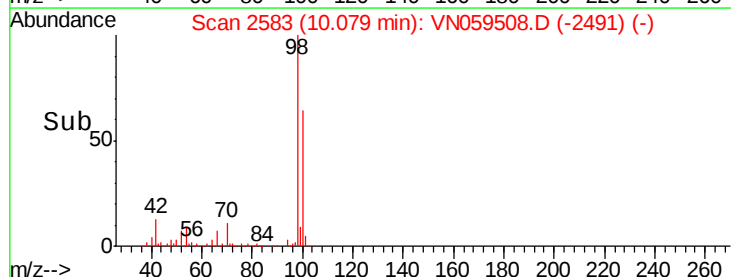
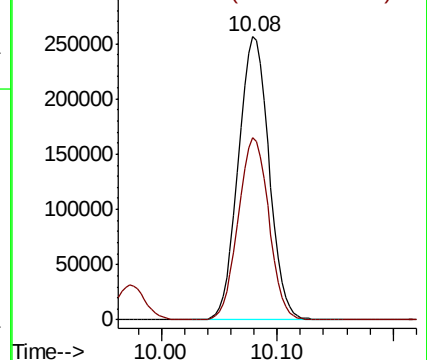
98 100

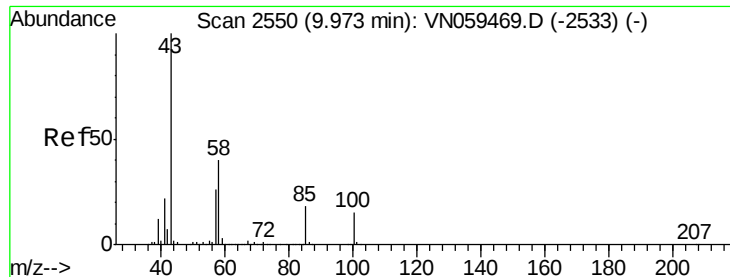
100 64.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VN059469.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN059469.D (-2568) (-)

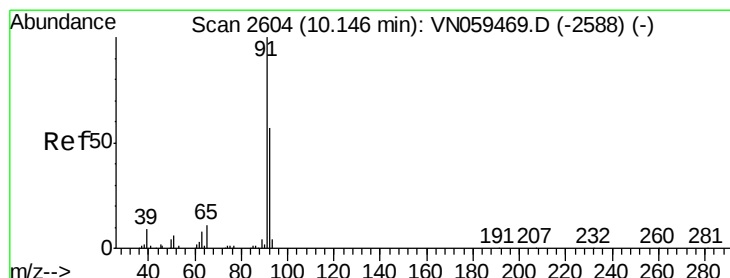
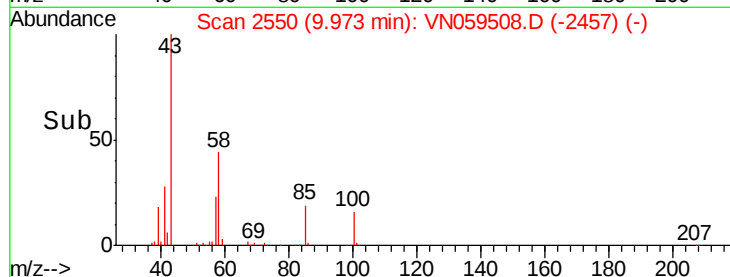
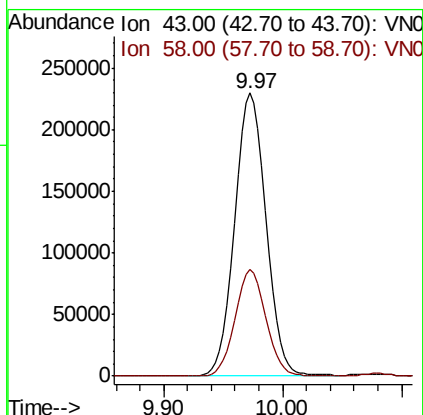
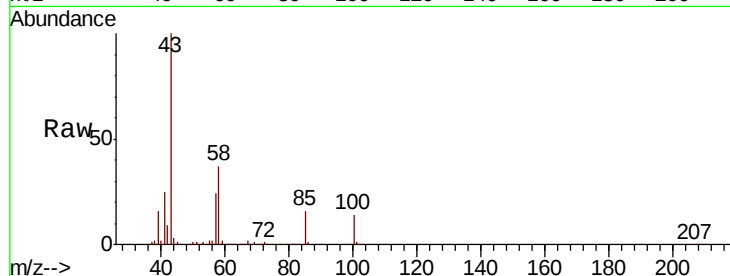




#51
4-Methyl-2-Pentanone
Concen: 111.535 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

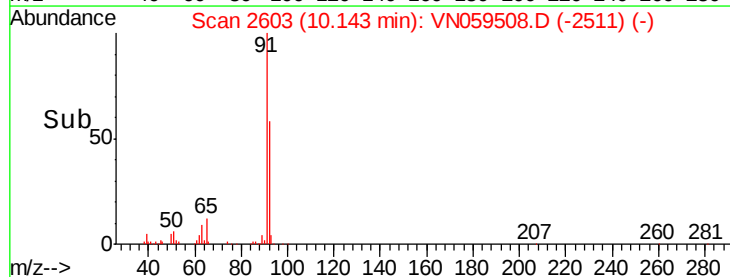
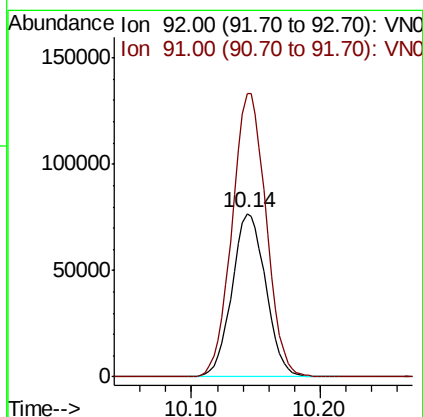
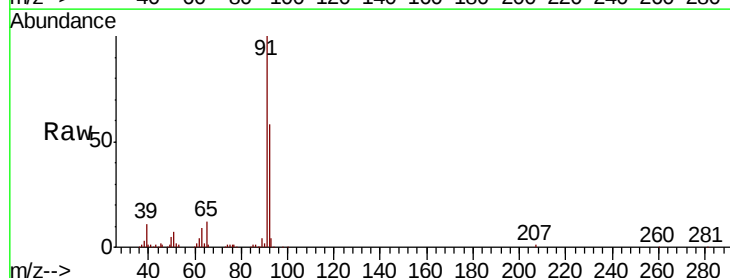
Instrument :
MSVOA_N
ClientSampleId :

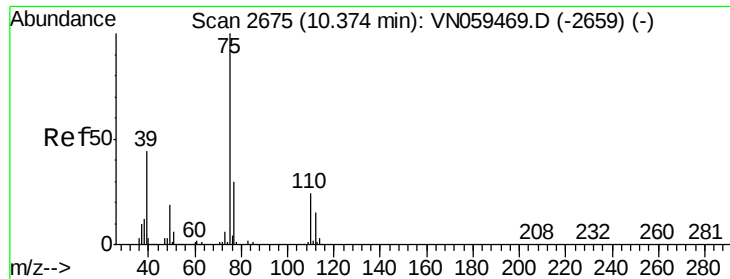
Tot Ion: 43 Resp: 419963
Ion Ratio Lower Upper
43 100
58 37.0 32.1 48.1



#52
Toluene
Concen: 20.629 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion: 92 Resp: 139494
Ion Ratio Lower Upper
92 100
91 175.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 21.109 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

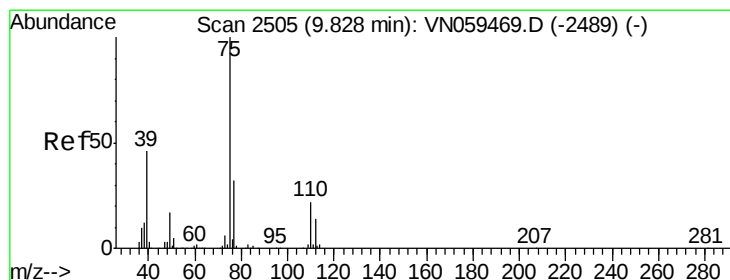
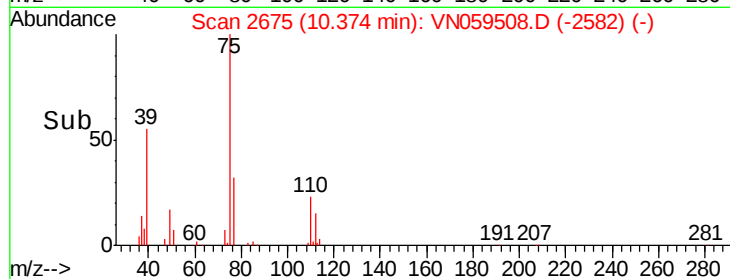
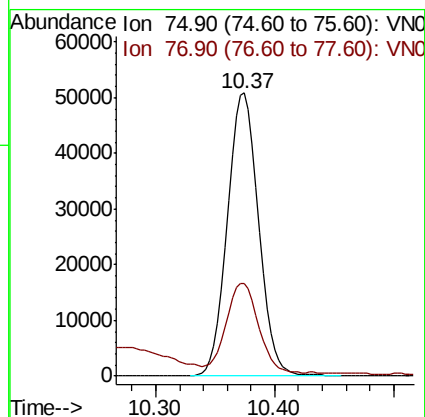
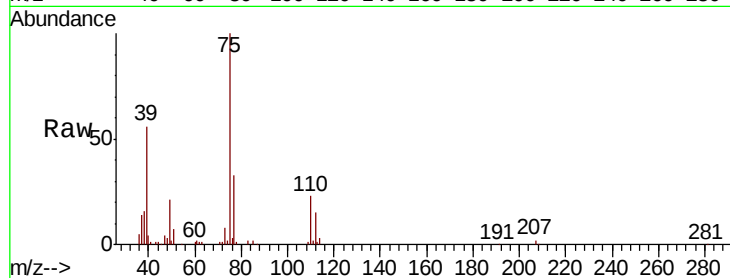
ClientSampled :

Tot Ion: 75 Resp: 92623

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.812 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

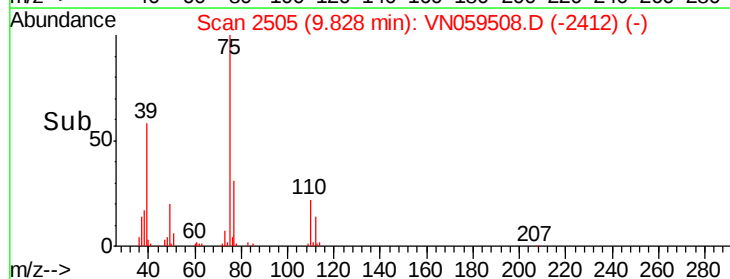
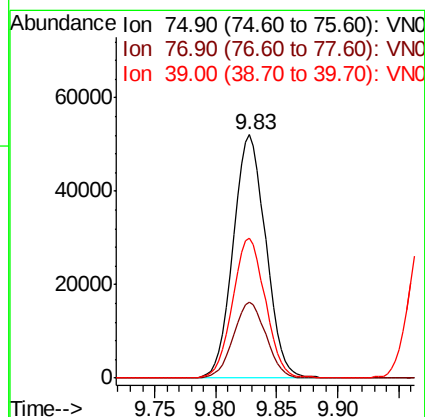
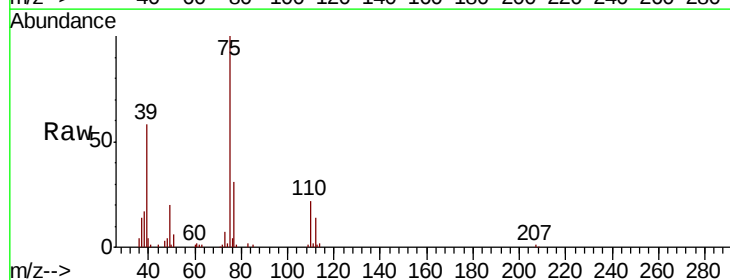
Tgt Ion: 75 Resp: 96795

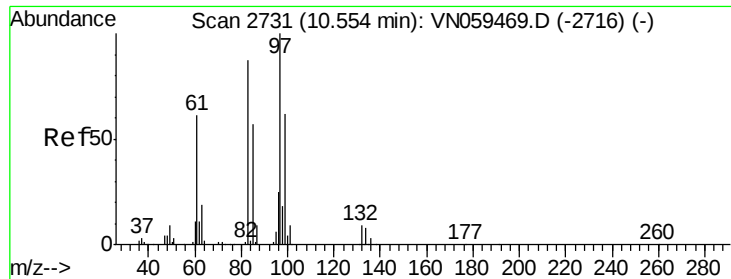
Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5

39 57.5 36.6 54.8#

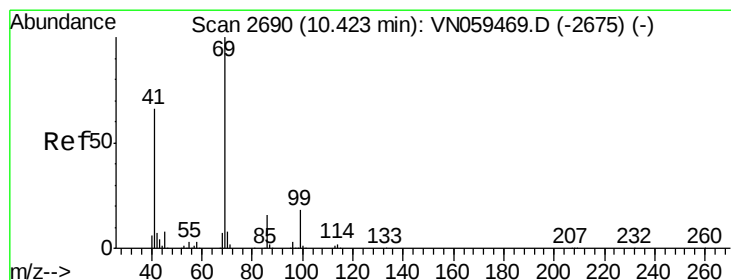
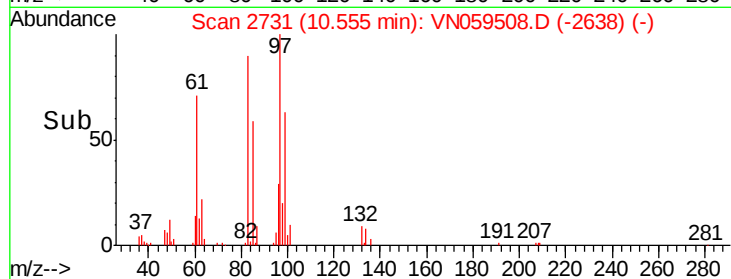
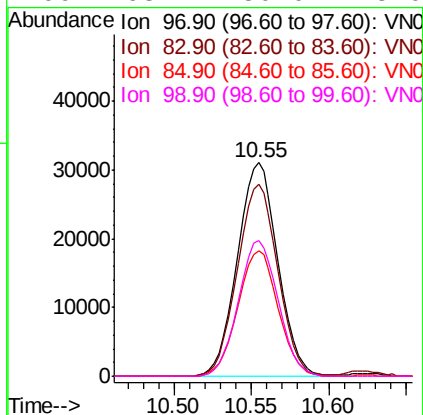
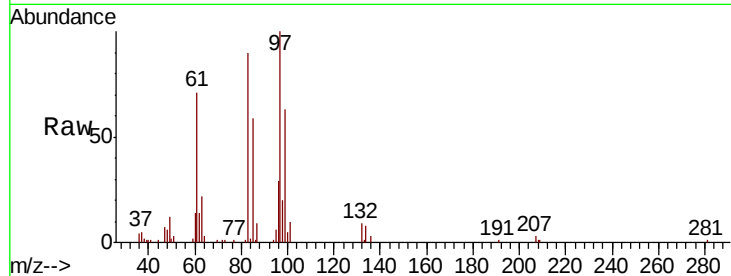




#55
 1,1,2-Trichloroethane
 Concen: 21.146 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

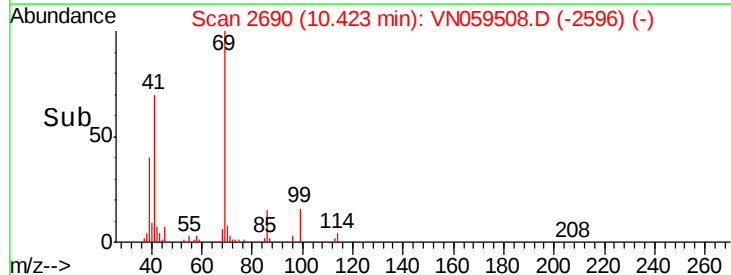
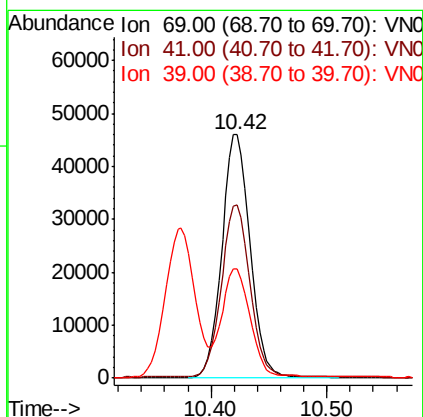
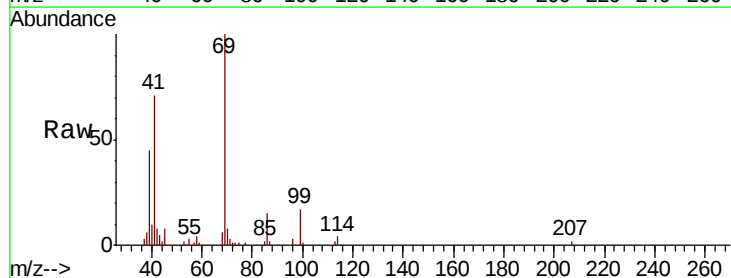
Instrument :
 MSVOA_N
 ClientSampled :

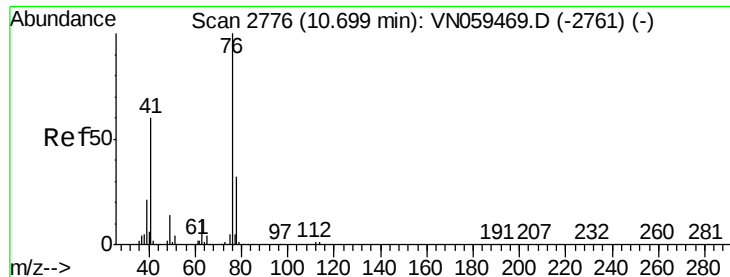
Tot Ion:	97	Resp:	56369
Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.8	104.8
85	58.7	45.5	68.3
99	63.4	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 19.012 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion:	69	Resp:	78051
Ion	Ratio	Lower	Upper
69	100		
41	71.3	52.7	79.1
39	44.6	25.0	37.6#





#57

1,3-Dichloropropane

Concen: 20.919 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

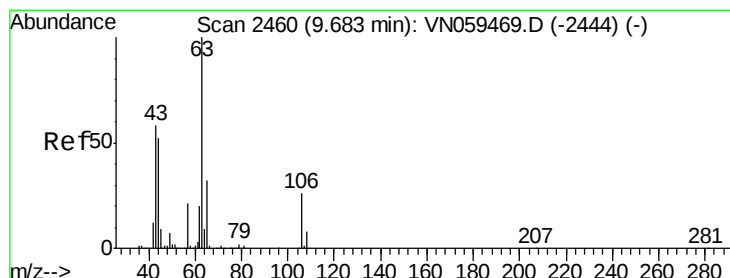
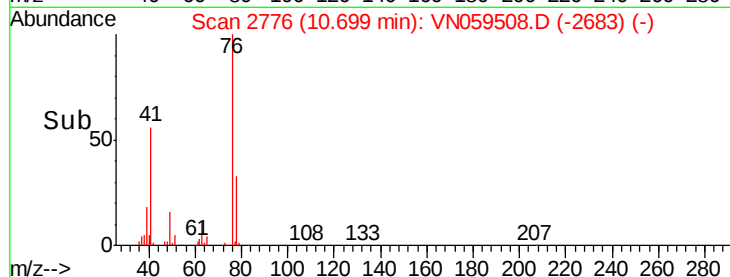
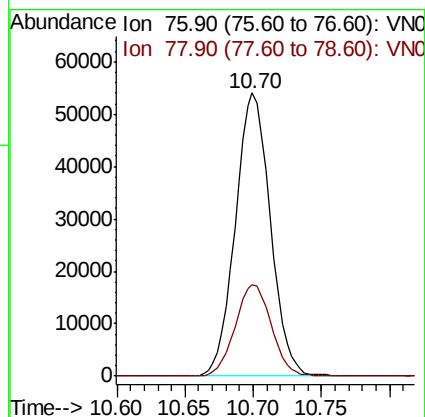
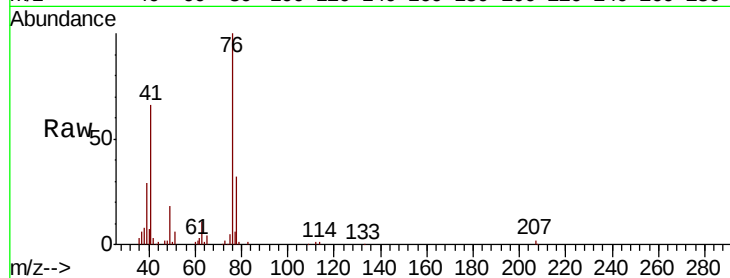
ClientSampled :

Tot Ion: 76 Resp: 96431

Ion Ratio Lower Upper

76 100

78 33.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 96.434 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059508.D

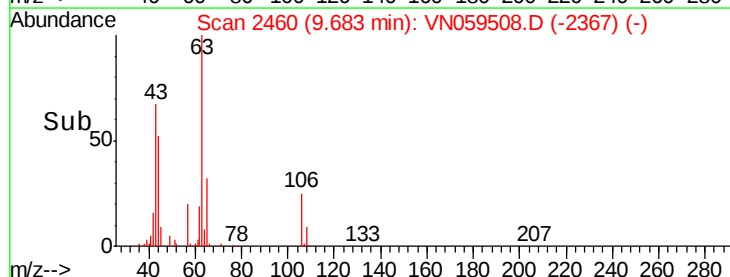
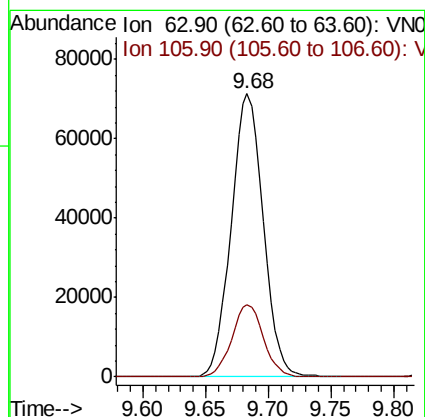
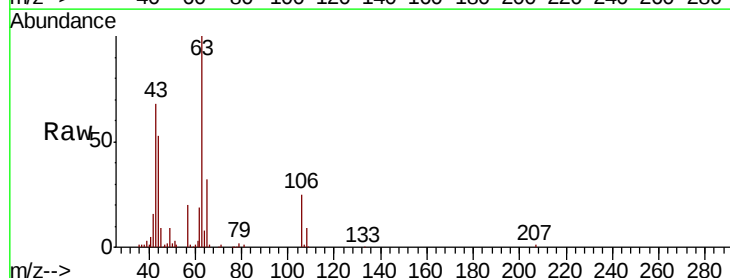
Acq: 6 Dec 2019 12:32

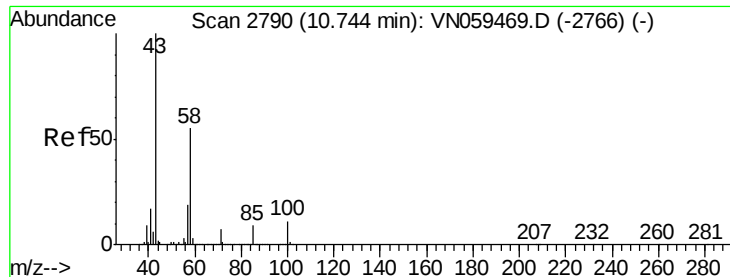
Tgt Ion: 63 Resp: 126685

Ion Ratio Lower Upper

63 100

106 25.1 20.4 30.6

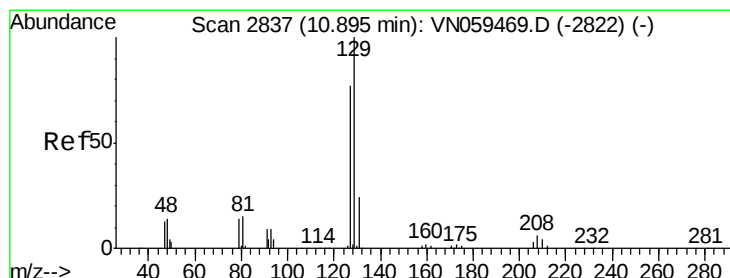
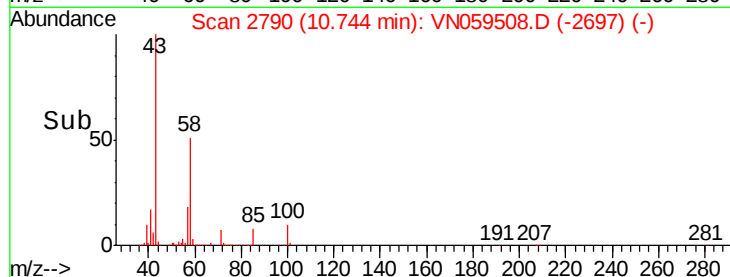
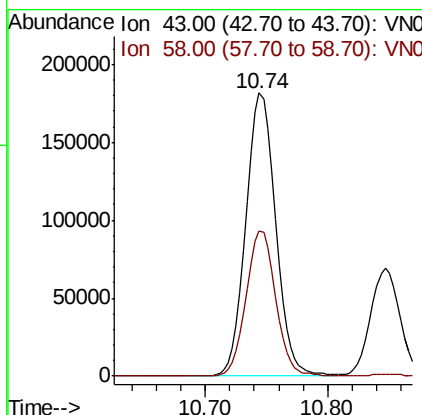
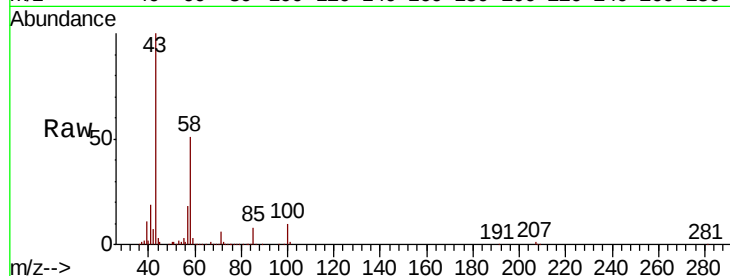




#59
2-Hexanone
Concen: 107.928 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

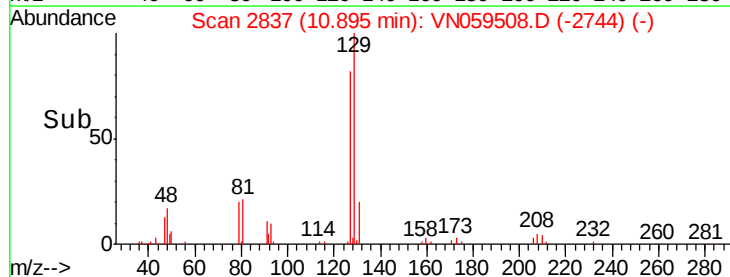
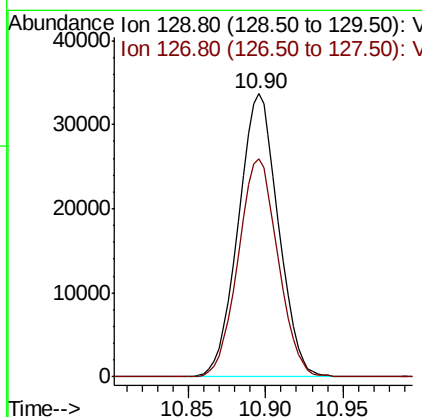
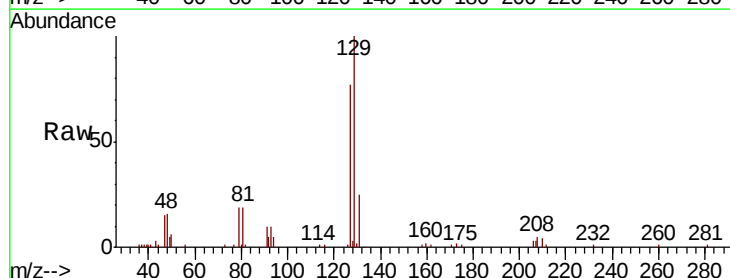
Instrument :
MSVOA_N
ClientSampled :

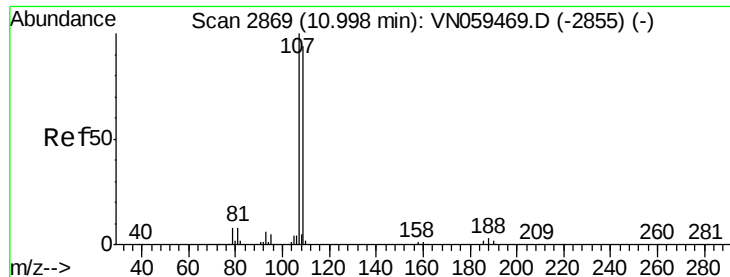
Tot Ion: 43 Resp: 305830
Ion Ratio Lower Upper
43 100
58 50.8 27.7 83.0



#60
Dibromochloromethane
Concen: 21.209 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion: 129 Resp: 60368
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9

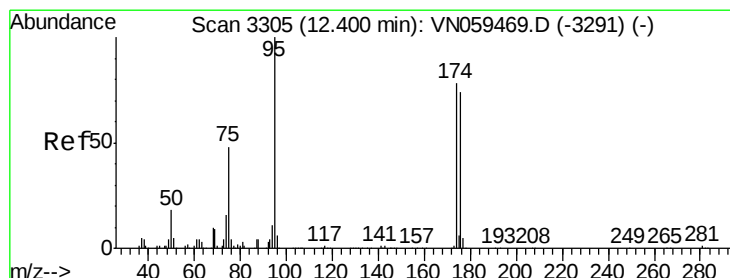
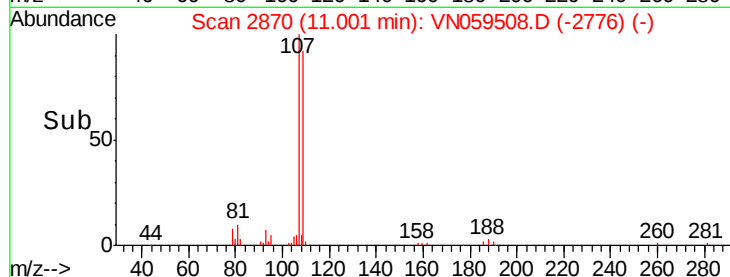
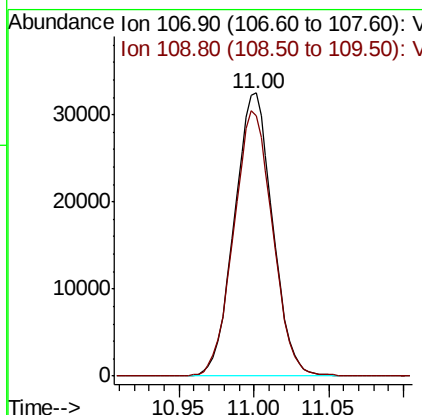
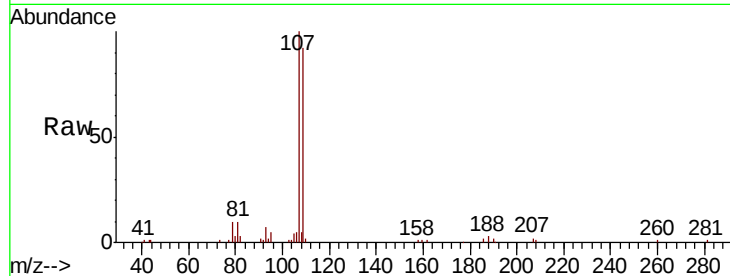




#61
 1,2-Dibromoethane
 Concen: 20.976 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

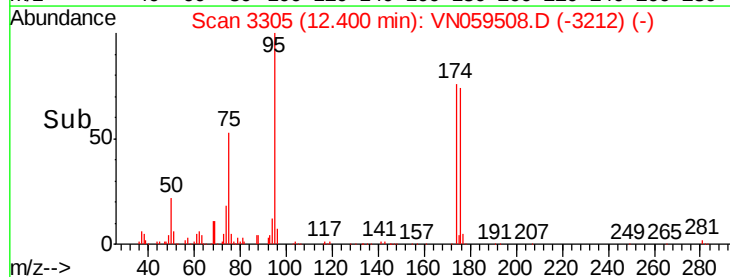
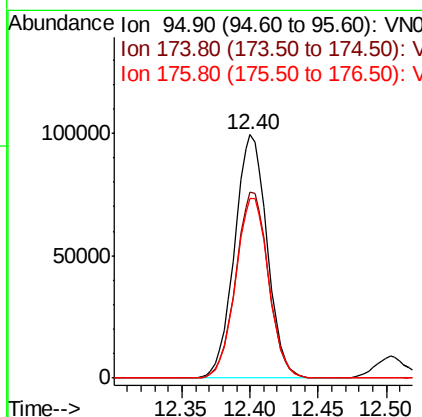
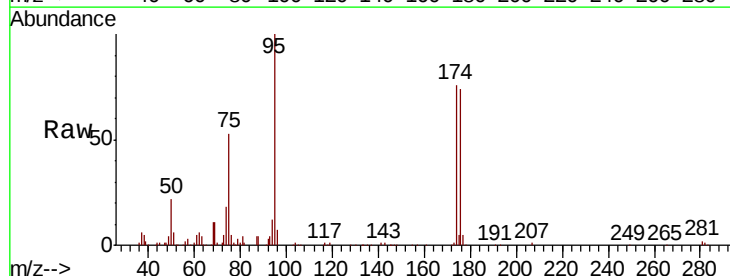
Instrument :
 MSVOA_N
 ClientSampled :

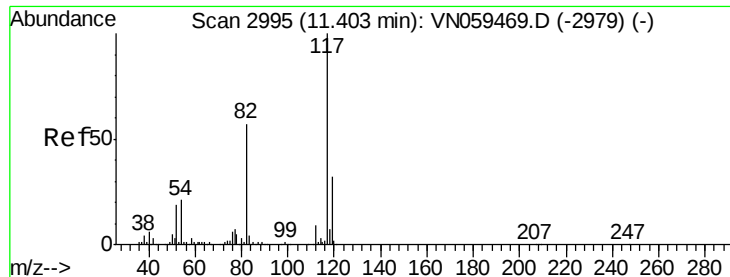
Tot Ion:107 Resp: 57778
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.251 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion: 95 Resp: 164411
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 157.0
 176 75.0 0.0 152.4

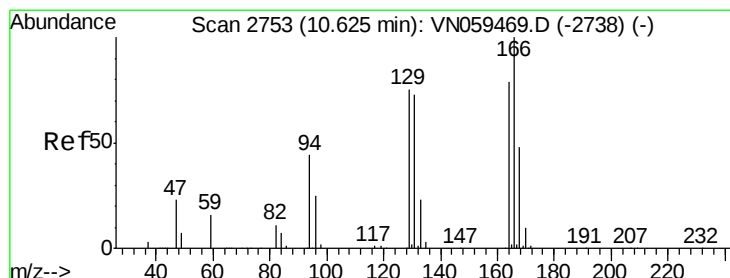
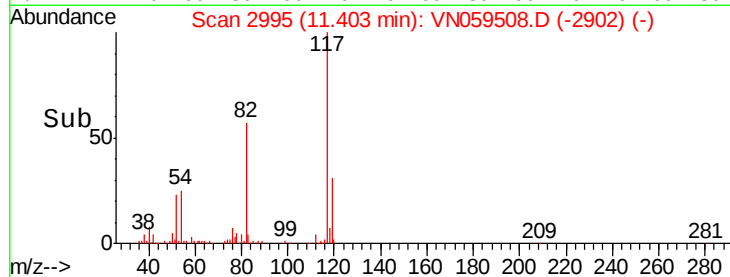
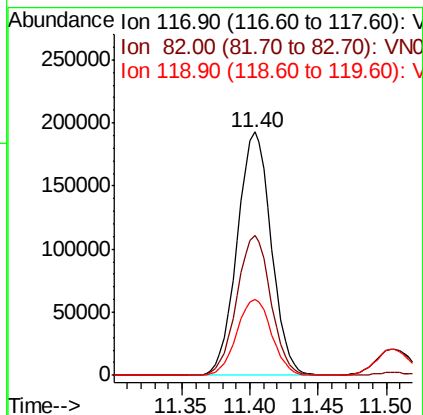
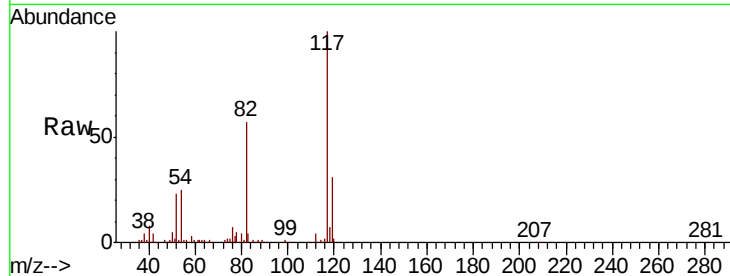




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

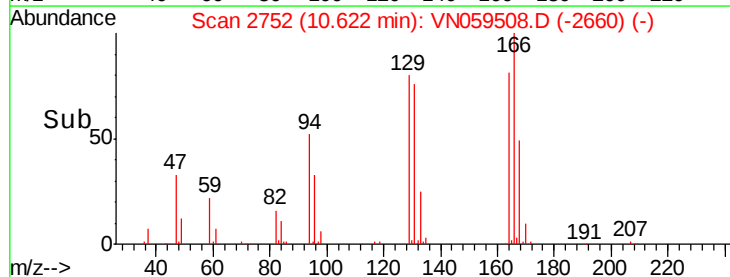
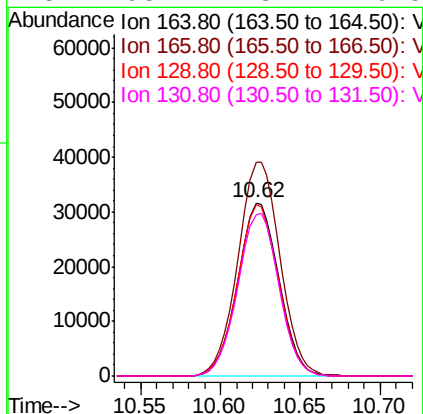
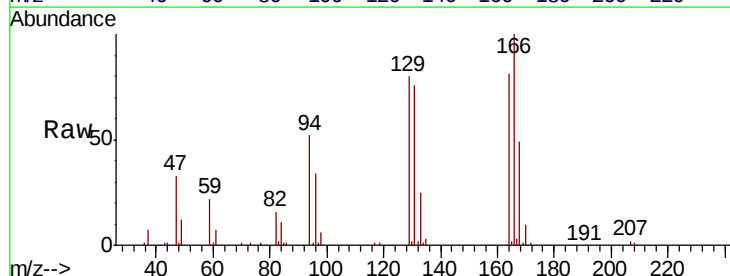
Instrument :
MSVOA_N
ClientSampled :

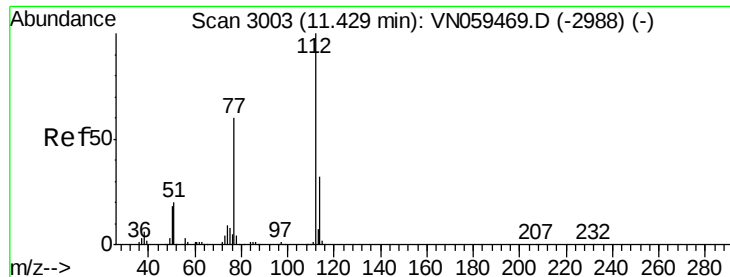
Tot Ion:117 Resp: 334195
Ion Ratio Lower Upper
117 100
82 57.3 45.8 68.8
119 31.4 25.4 38.0



#64
Tetrachloroethene
Concen: 19.509 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion:164 Resp: 55459
Ion Ratio Lower Upper
164 100
166 123.0 101.2 151.8
129 98.7 76.1 114.1
131 93.4 73.7 110.5

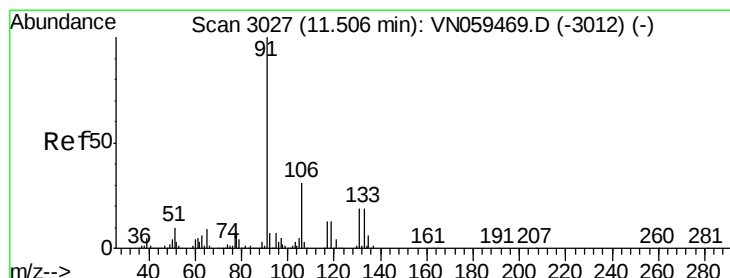
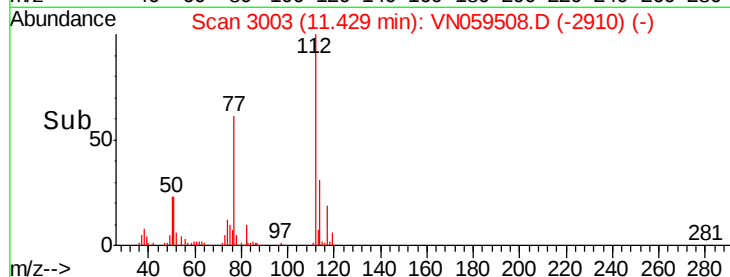
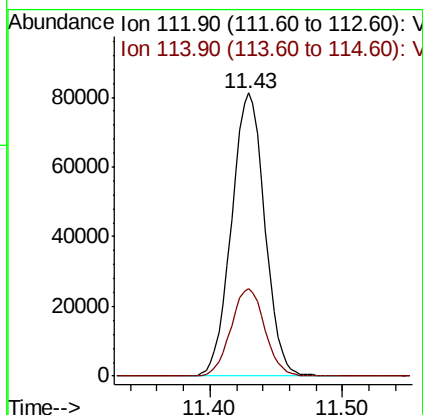
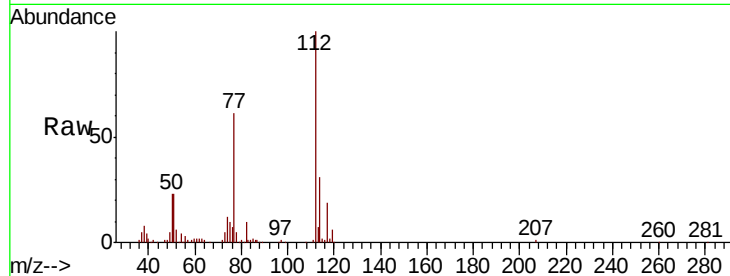




#65
Chlorobenzene
Concen: 19.327 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

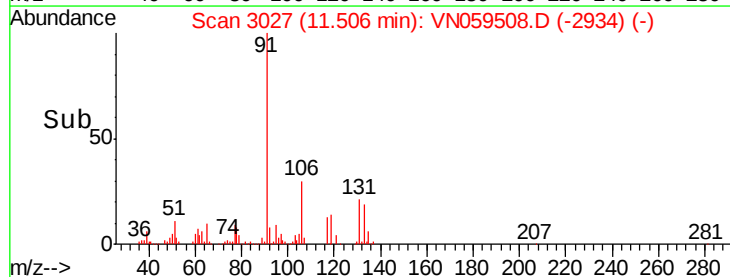
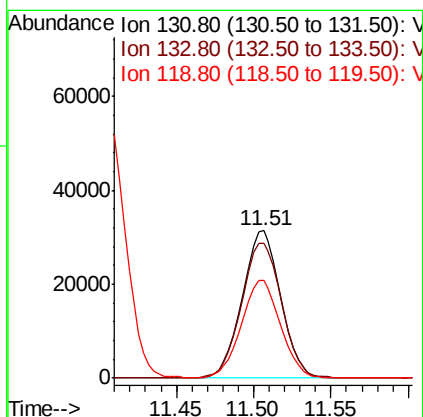
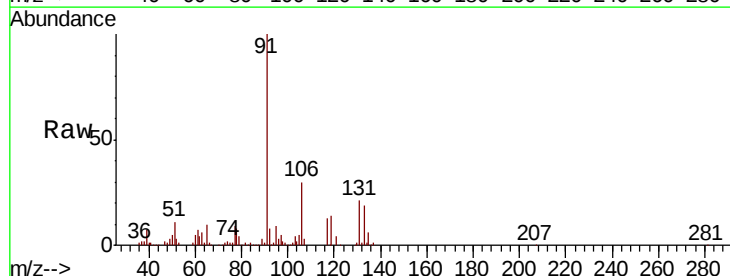
Instrument :
MSVOA_N
ClientSampleId :

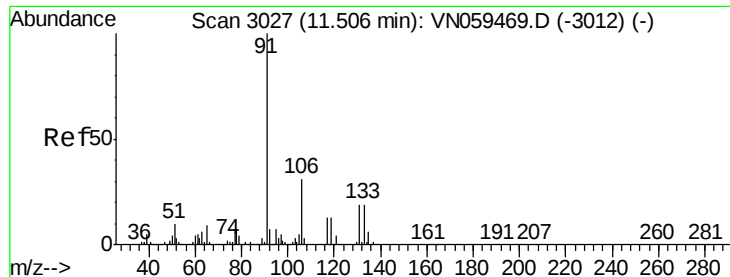
Tot Ion:112 Resp: 141200
Ion Ratio Lower Upper
112 100
114 30.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.729 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion:131 Resp: 54416
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.0
119 67.3 33.9 101.6

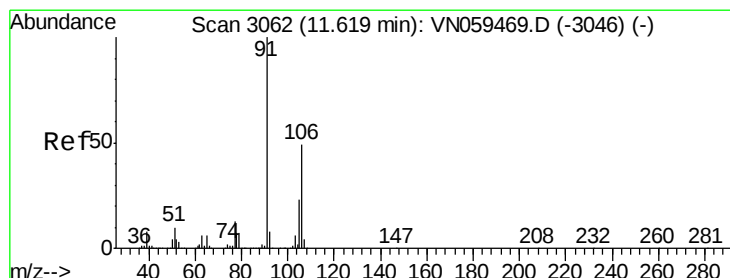
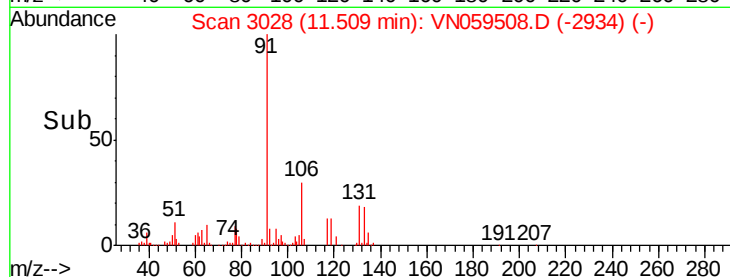
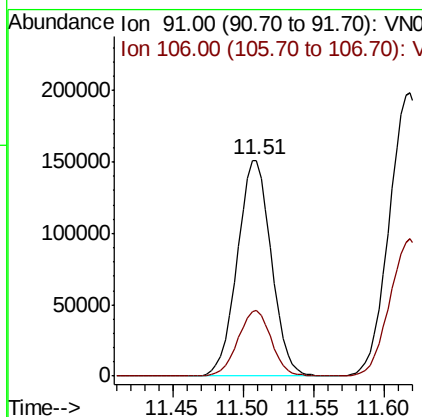
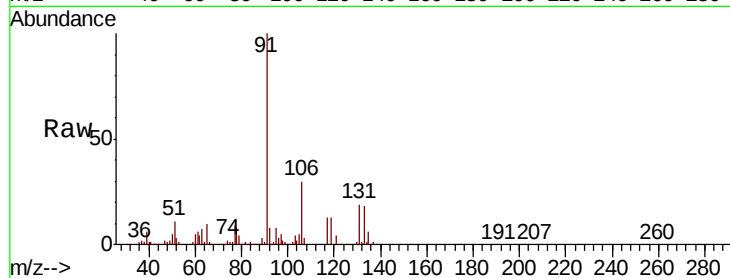




#67
Ethyl Benzene
Concen: 19.956 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

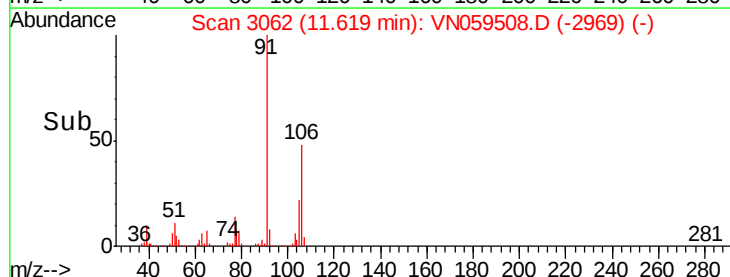
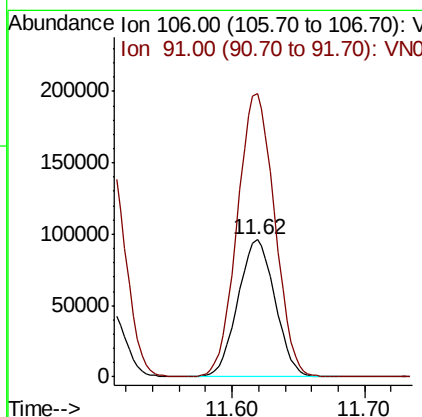
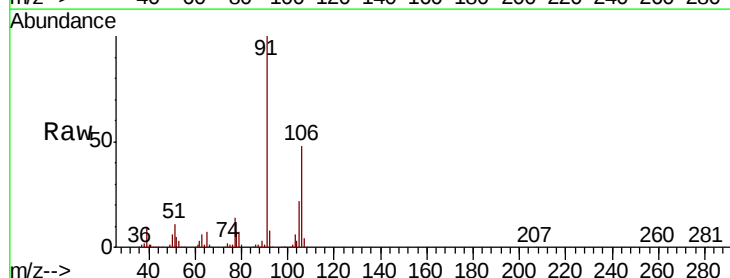
Instrument :
MSVOA_N
ClientSampled :

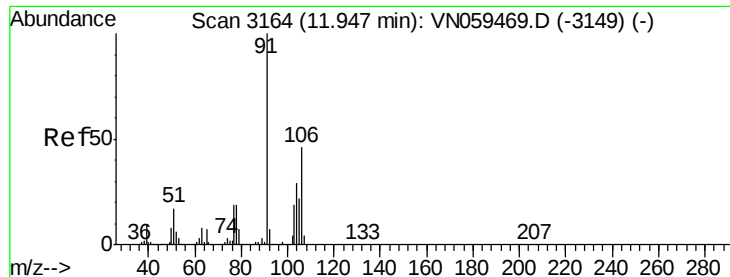
Tot Ion: 91 Resp: 255440
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 39.204 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion: 106 Resp: 186853
Ion Ratio Lower Upper
106 100
91 207.3 162.2 243.4

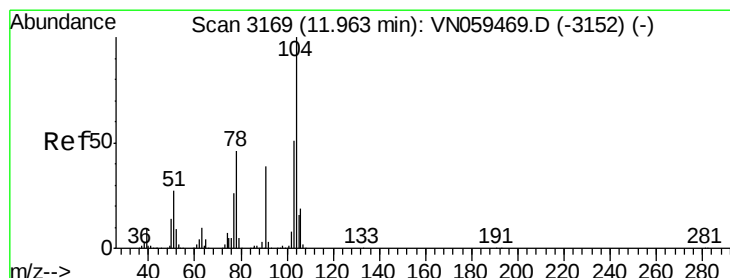
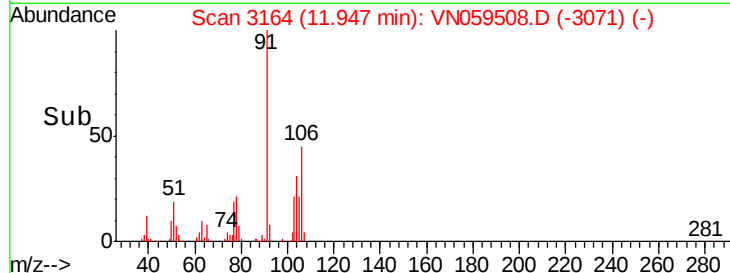
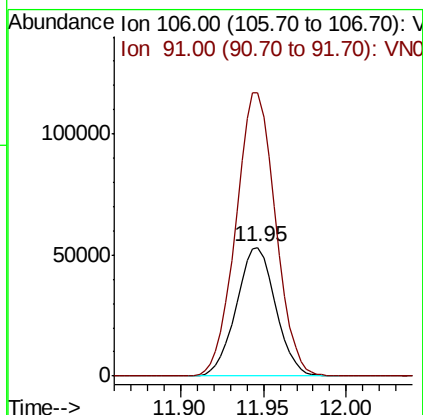
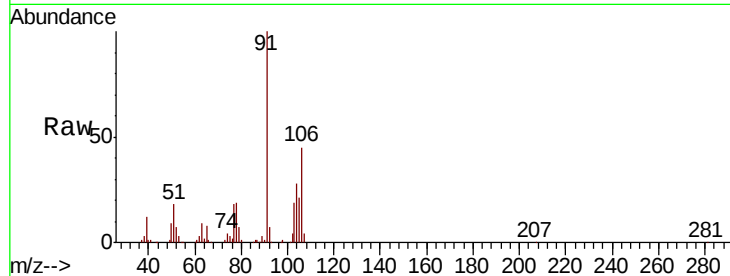




#69
o-Xylene
Concen: 19.287 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

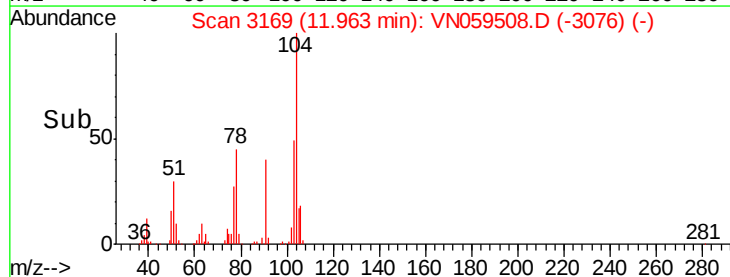
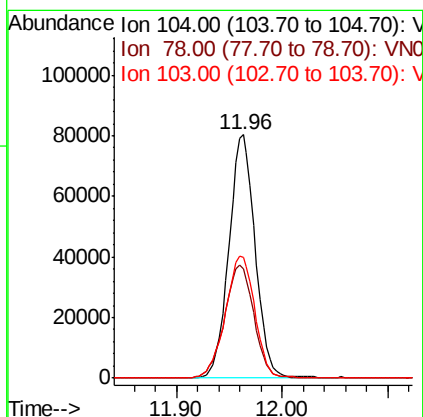
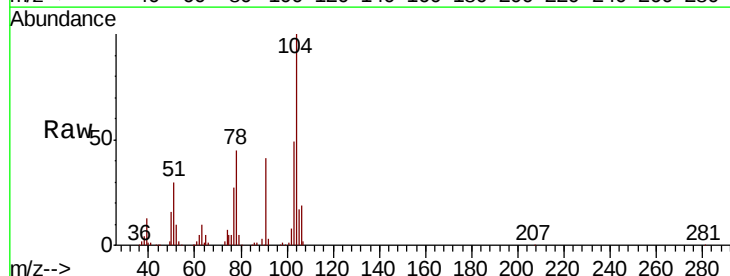
Instrument :
MSVOA_N
ClientSampled :

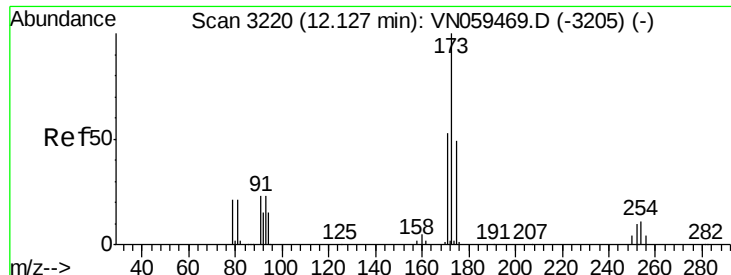
Tot Ion:106 Resp: 87516
Ion Ratio Lower Upper
106 100
91 222.5 108.5 325.3



#70
Styrene
Concen: 19.096 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion:104 Resp: 138324
Ion Ratio Lower Upper
104 100
78 51.9 41.0 61.4
103 56.0 44.7 67.1

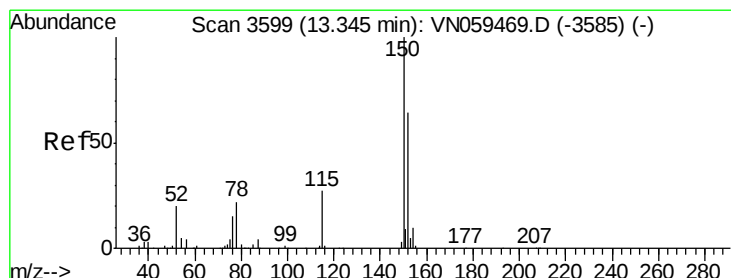
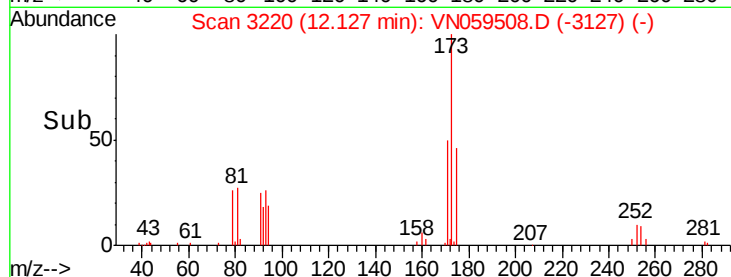
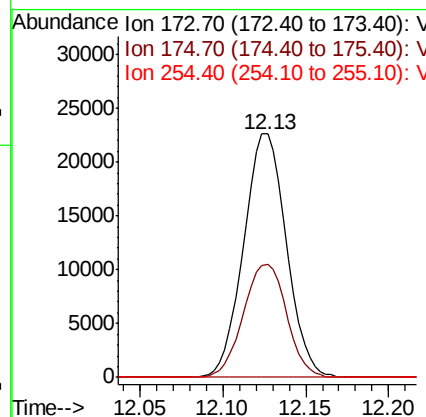
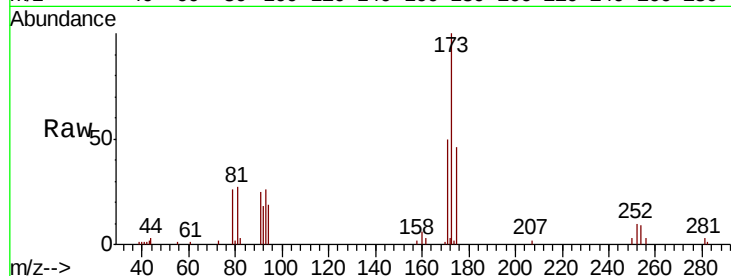




#71
Bromoform
Concen: 19.875 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

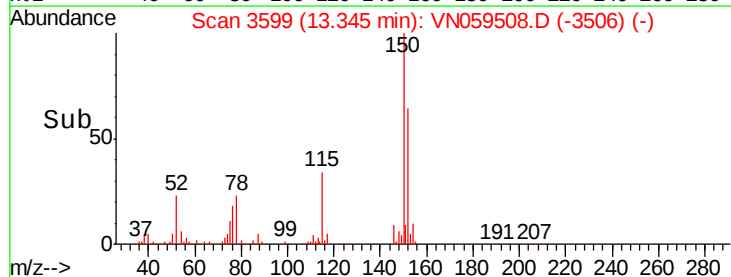
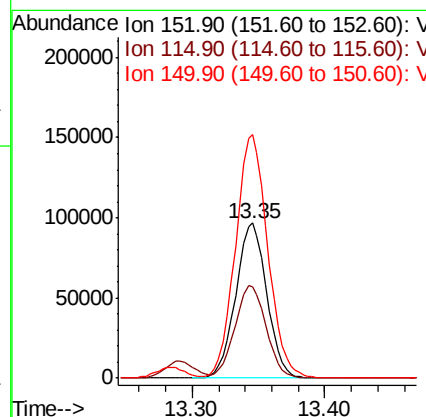
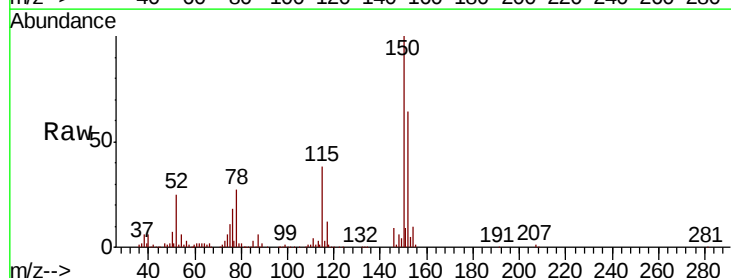
Instrument :
MSVOA_N
ClientSampled :

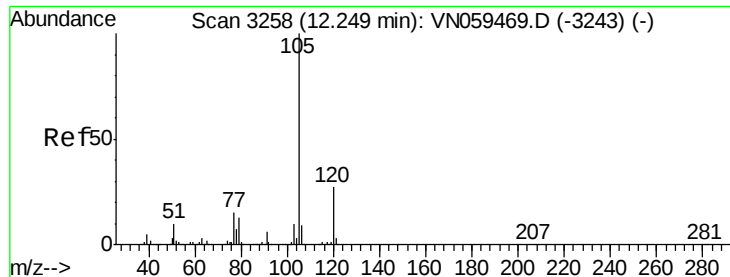
Tot Ion:173 Resp: 40668
Ion Ratio Lower Upper
173 100
175 47.1 24.3 73.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059508.D
Acq: 6 Dec 2019 12:32

Tgt Ion:152 Resp: 156889
Ion Ratio Lower Upper
152 100
115 60.2 29.2 87.6
150 162.8 0.0 352.8





#73

Isopropylbenzene

Concen: 19.610 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

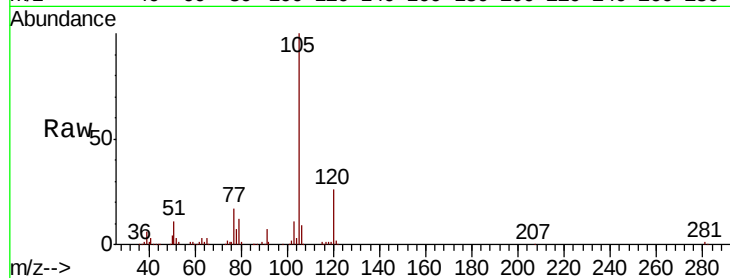
ClientSampleId :

Tot Ion:105 Resp: 246731

Ion Ratio Lower Upper

105 100

120 25.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

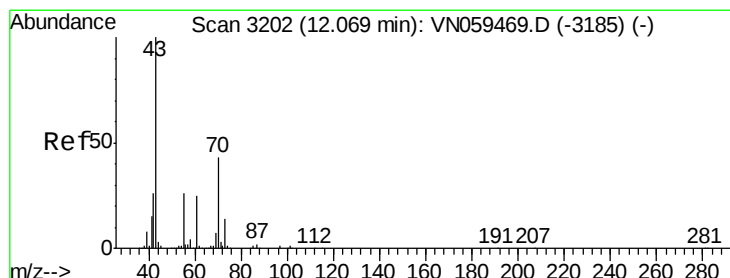
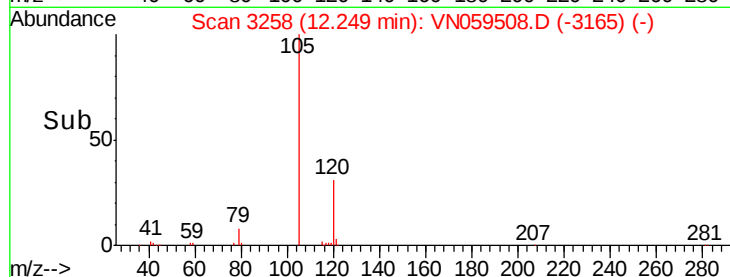
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.396 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Tgt Ion: 43 Resp: 98300

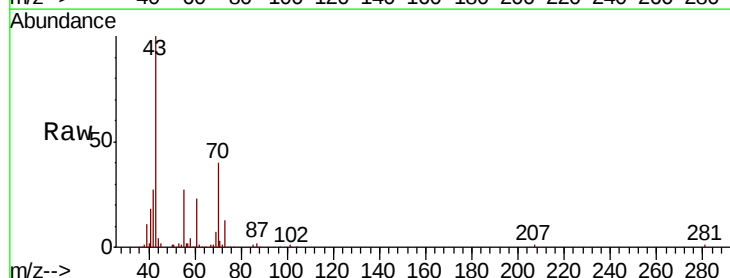
Ion Ratio Lower Upper

43 100

70 38.7 34.2 51.2

55 26.8 20.6 31.0

61 22.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

80000

60000

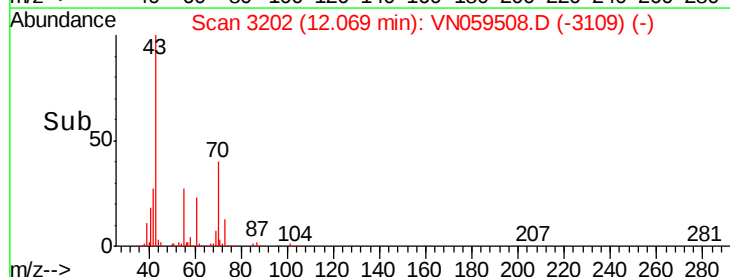
40000

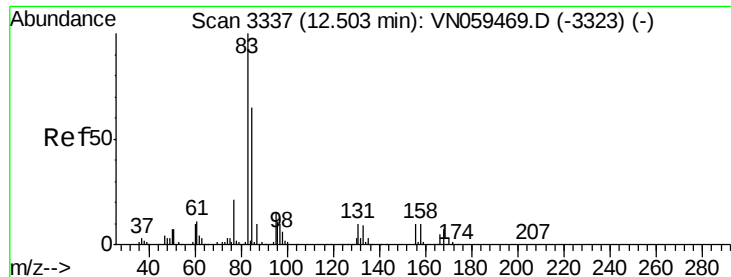
20000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.344 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

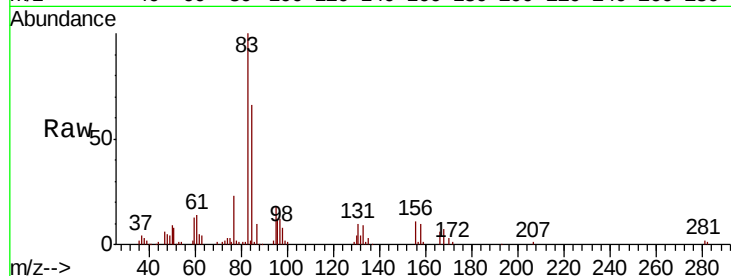
Tot Ion: 83 Resp: 82108

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

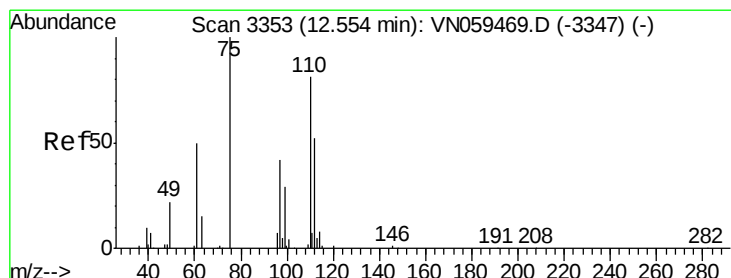
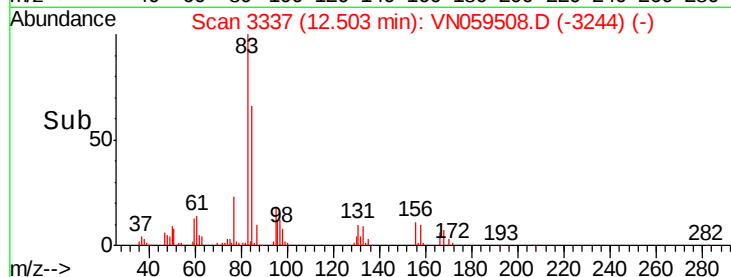
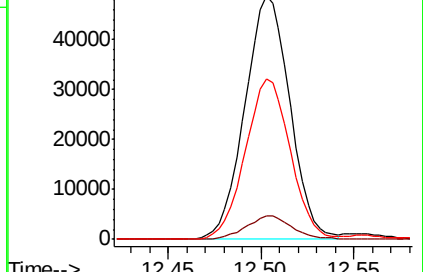
85 65.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN059469.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059469.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059469.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 28.658 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059508.D

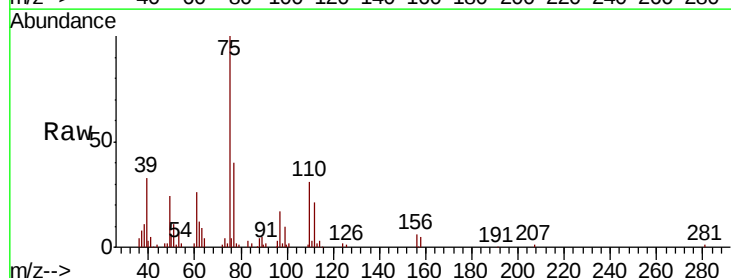
Acq: 6 Dec 2019 12:32

Tgt Ion: 75 Resp: 111794

Ion Ratio Lower Upper

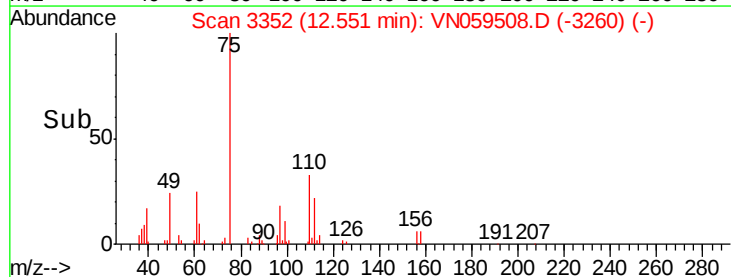
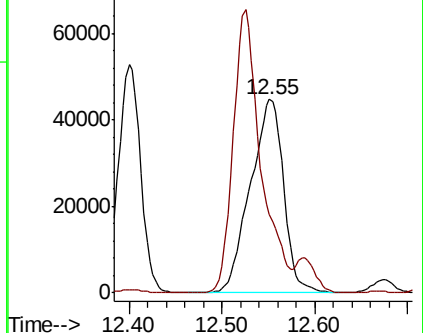
75 100

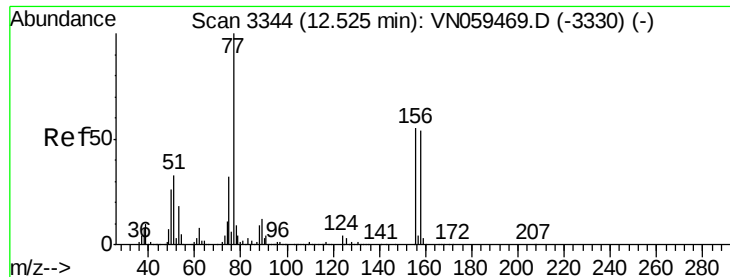
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059469.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059469.D (-3347) (-)





#77

Bromobenzene

Concen: 18.884 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

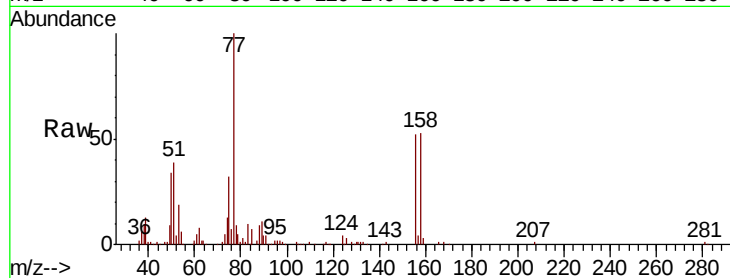
Tot Ion:156 Resp: 59373

Ion Ratio Lower Upper

156 100

77 228.8 110.3 331.0

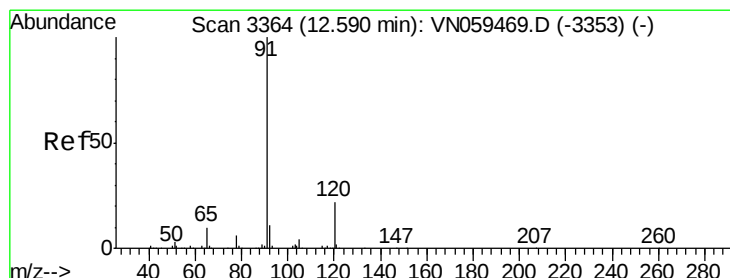
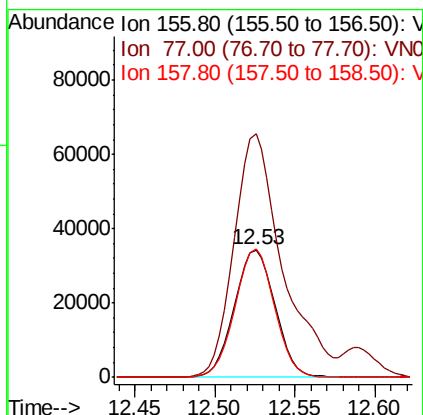
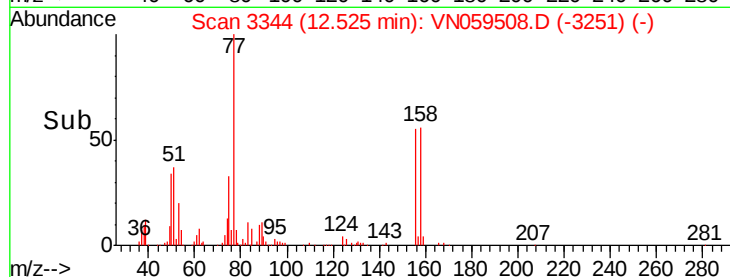
158 97.7 48.5 145.5



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: 19.812 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059508.D

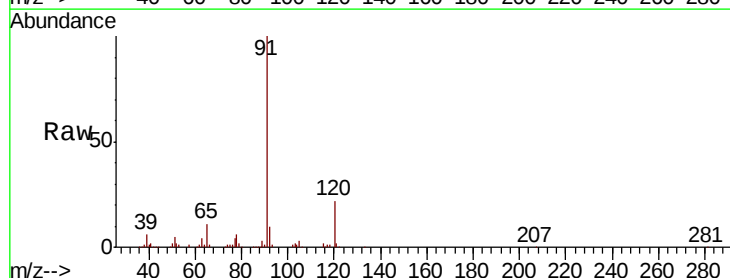
Acq: 6 Dec 2019 12:32

Tgt Ion: 91 Resp: 290087

Ion Ratio Lower Upper

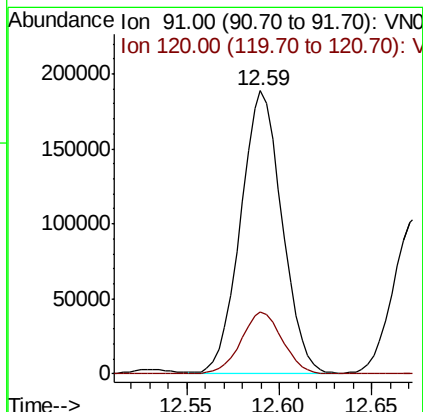
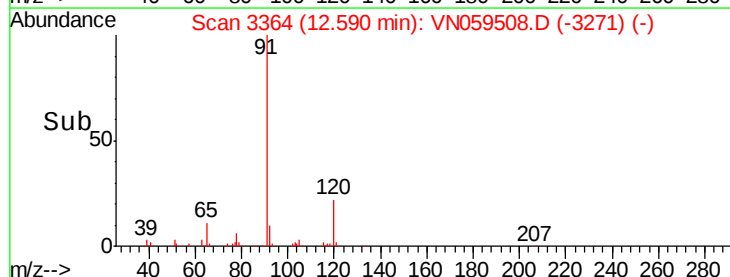
91 100

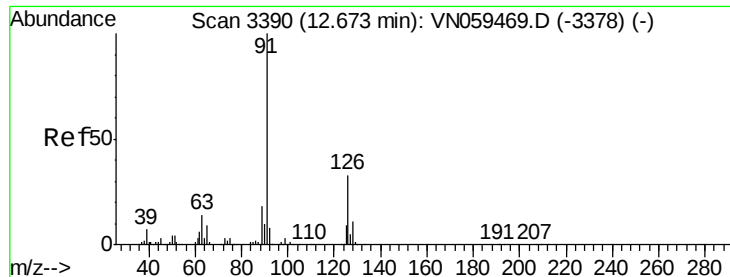
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

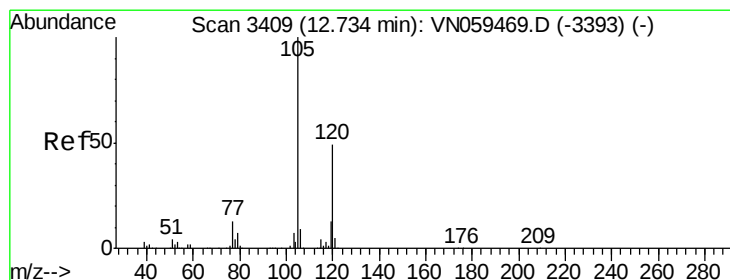
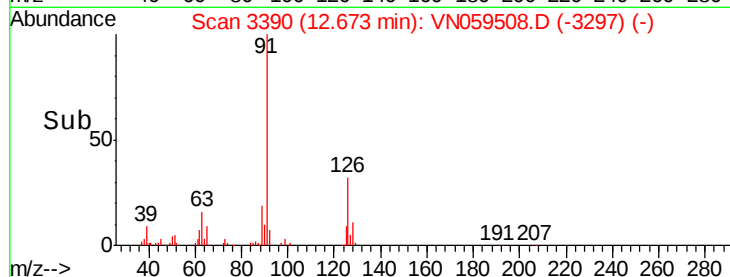
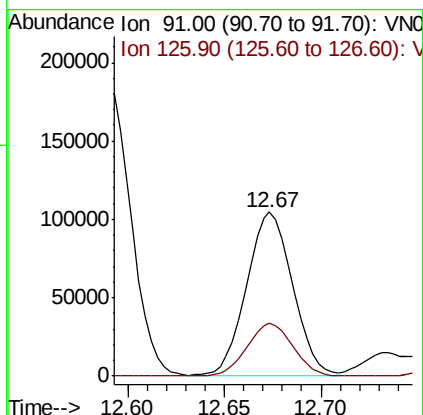
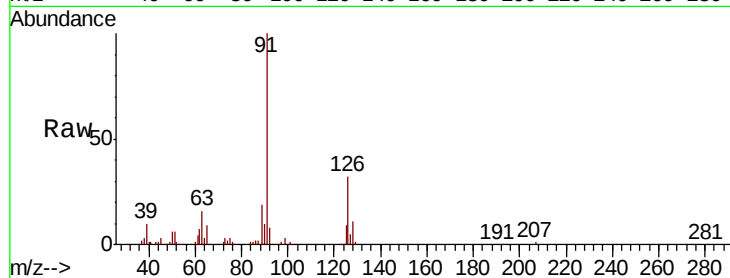




#79
 2-Chlorotoluene
 Concen: 19.473 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

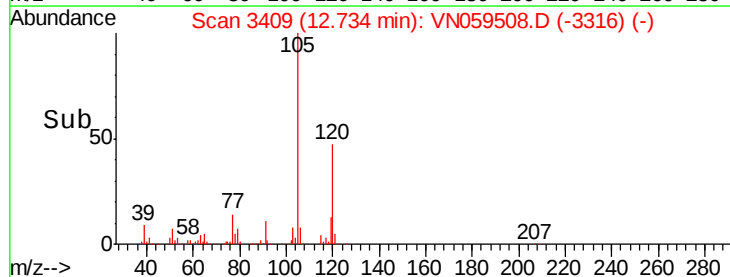
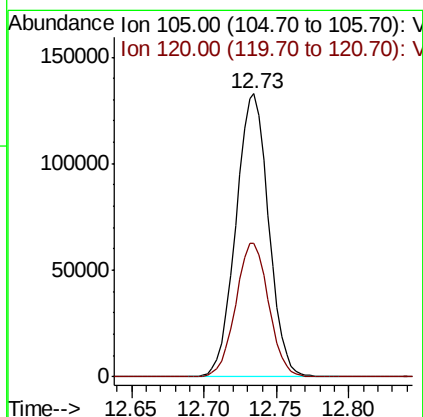
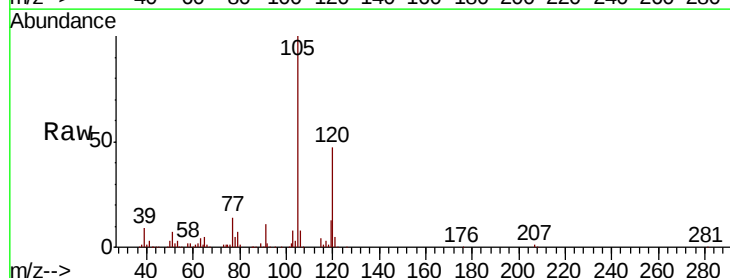
Instrument :
 MSVOA_N
 ClientSampled :

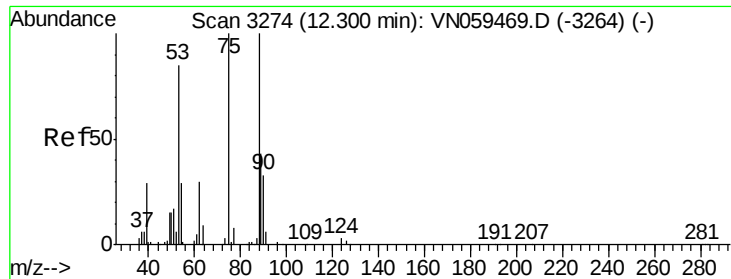
Tot Ion: 91 Resp: 171882
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.795 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion: 105 Resp: 208143
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.498 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

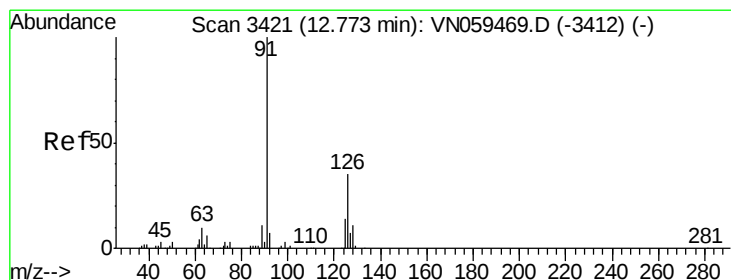
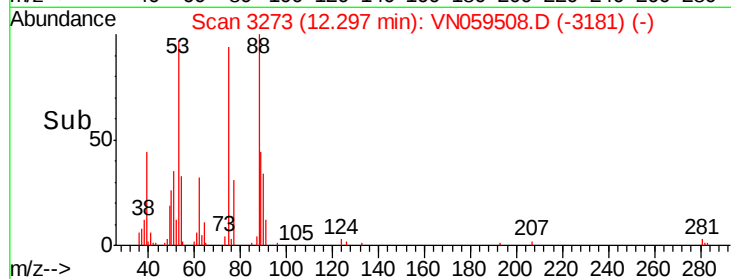
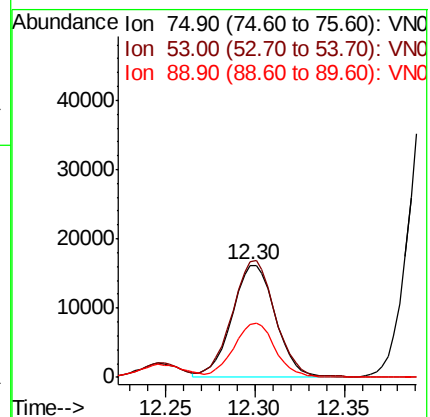
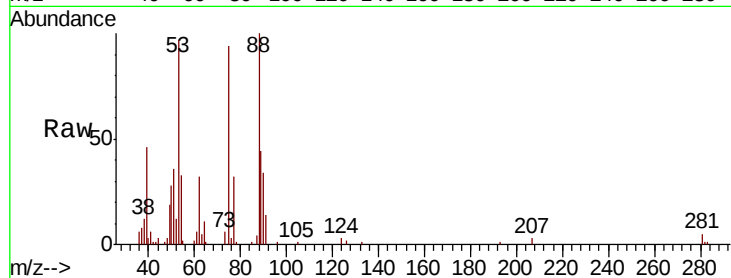
Tot Ion: 75 Resp: 27496

Ion Ratio Lower Upper

75 100

53 103.4 69.8 104.6

89 46.1 35.2 52.8



#82

4-Chlorotoluene

Concen: 19.412 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN059508.D

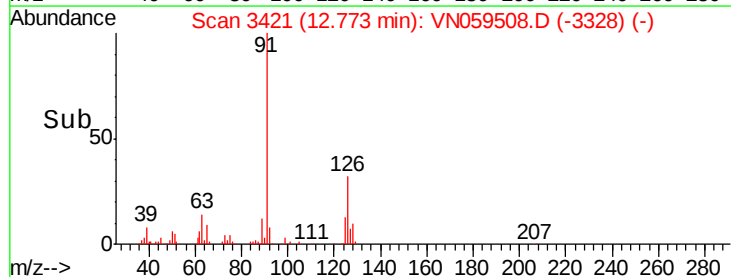
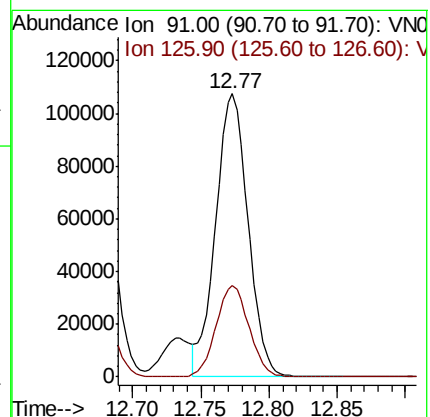
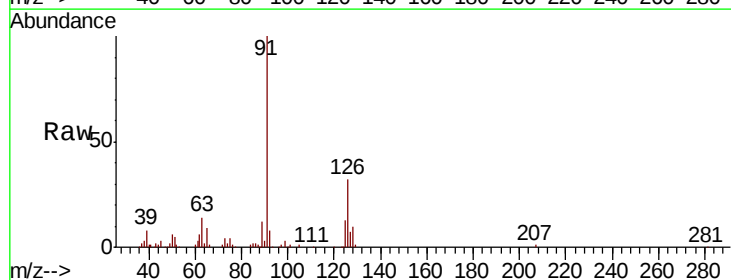
Acq: 6 Dec 2019 12:32

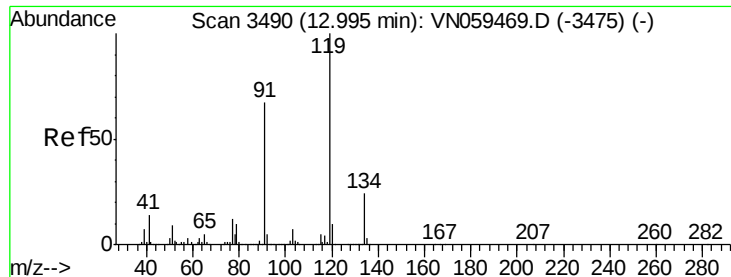
Tgt Ion: 91 Resp: 176775

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.2

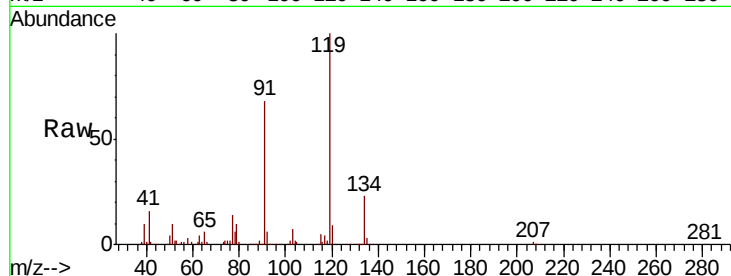




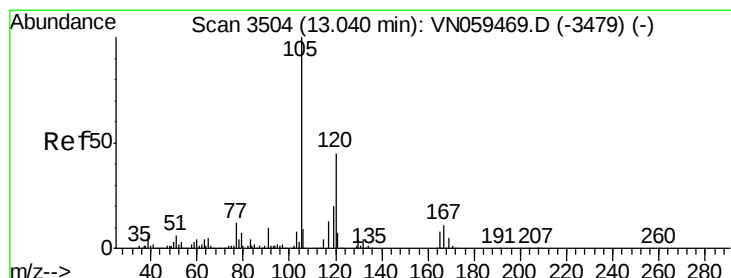
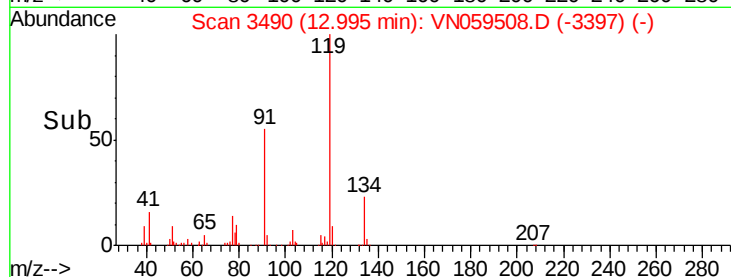
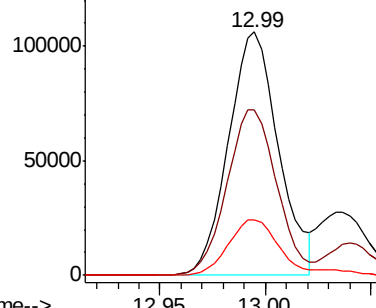
#83
 tert-Butylbenzene
 Concen: 19.237 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 175609
 Ion Ratio Lower Upper
 119 100
 91 67.6 32.6 97.7
 134 24.4 12.6 37.6

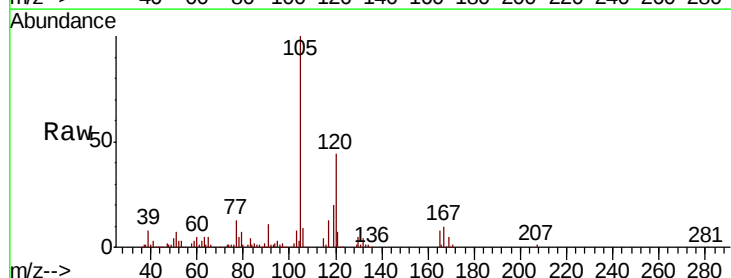


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

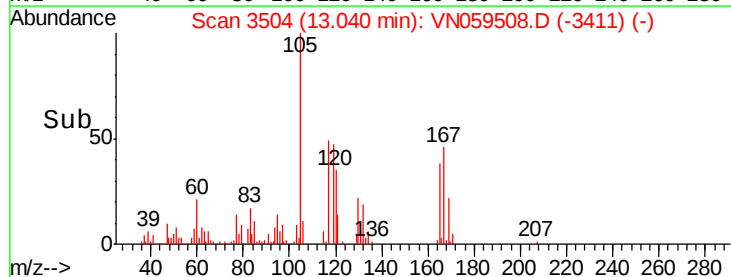
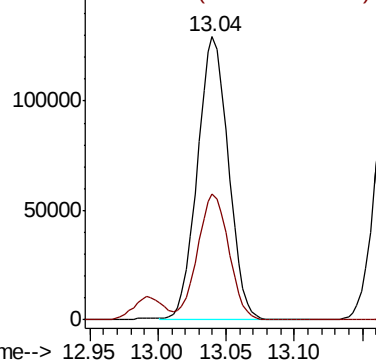


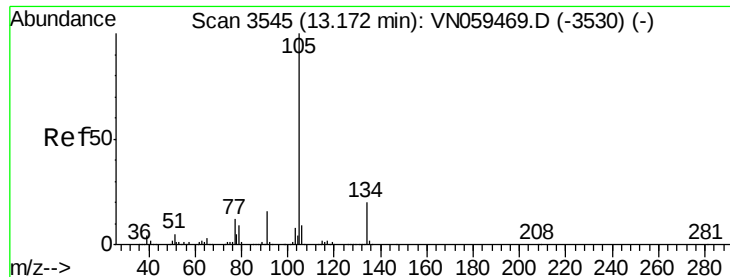
#84
 1,2,4-Trimethylbenzene
 Concen: 19.914 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion:105 Resp: 204629
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.518 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

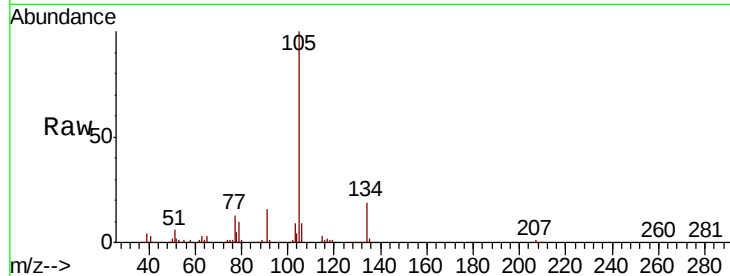
ClientSampleId :

Tot Ion:105 Resp: 236148

Ion Ratio Lower Upper

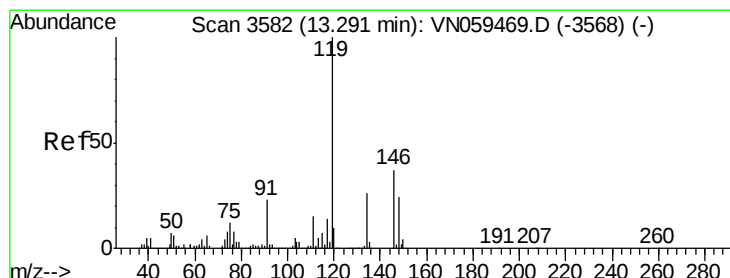
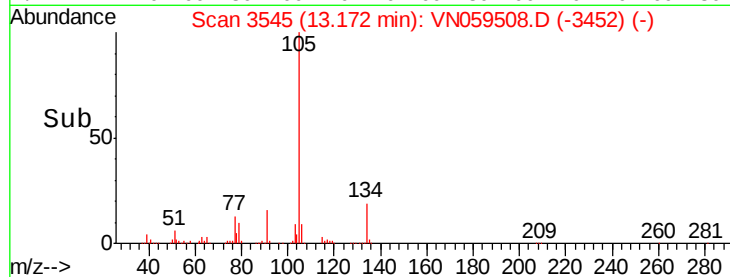
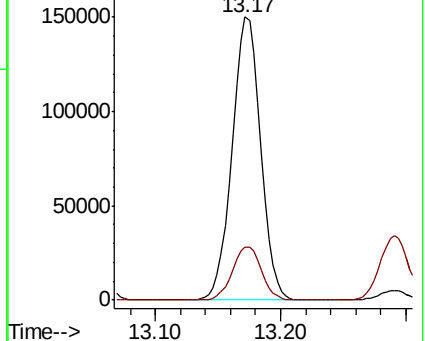
105 100

134 19.2 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: 19.402 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

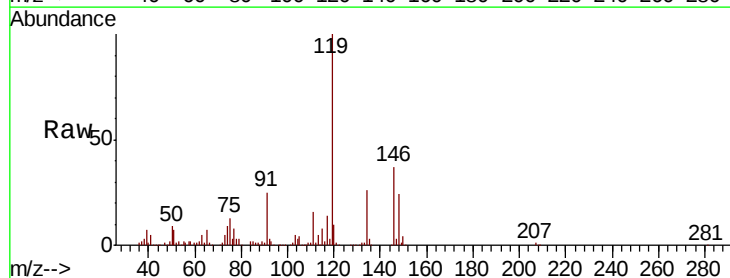
Tgt Ion:119 Resp: 210357

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

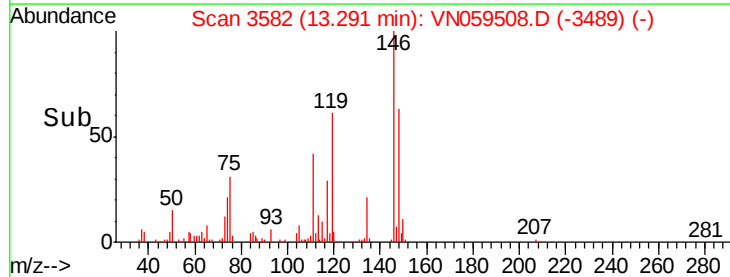
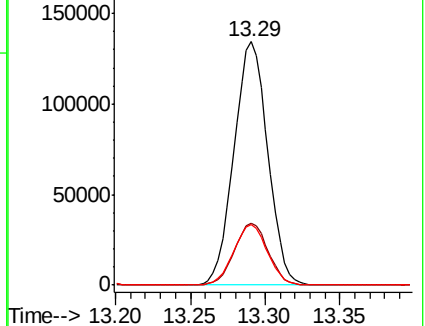
91 25.1 11.7 35.1

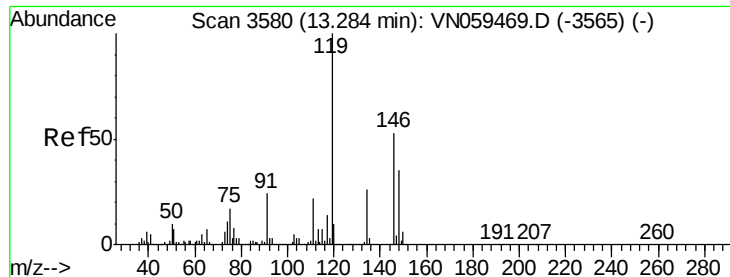


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

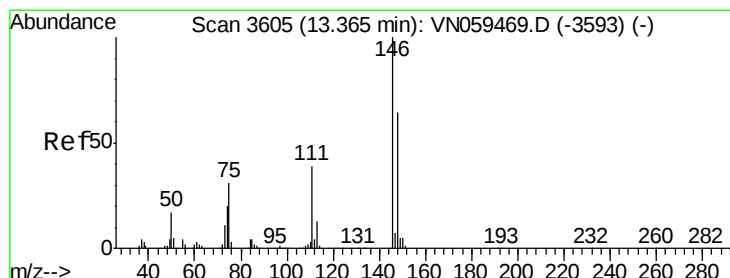
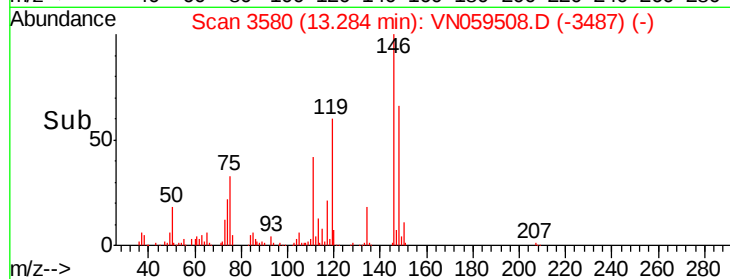
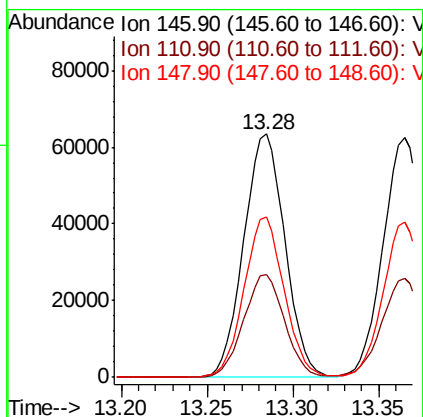
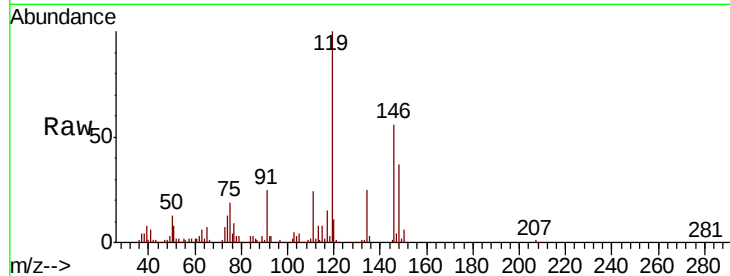




#87
 1,3-Dichlorobenzene
 Concen: 19.013 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

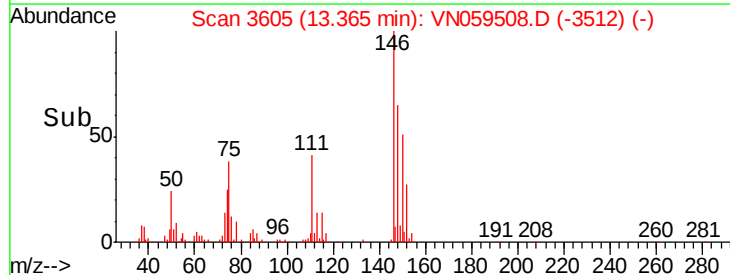
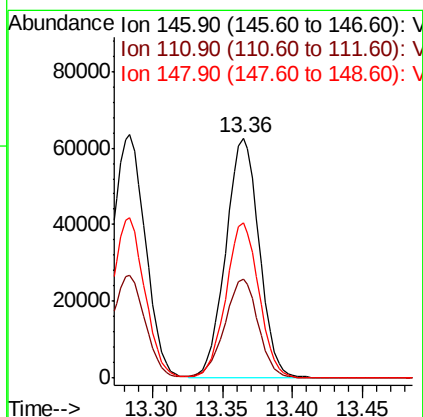
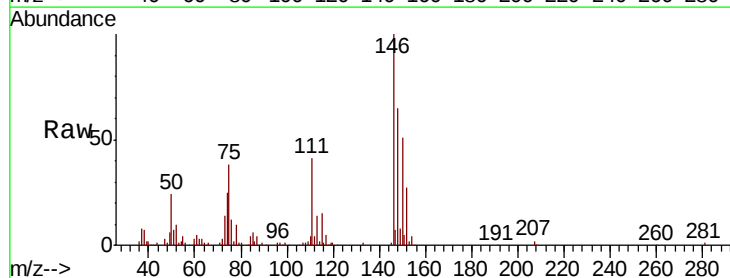
Instrument :
 MSVOA_N
 ClientSampled :

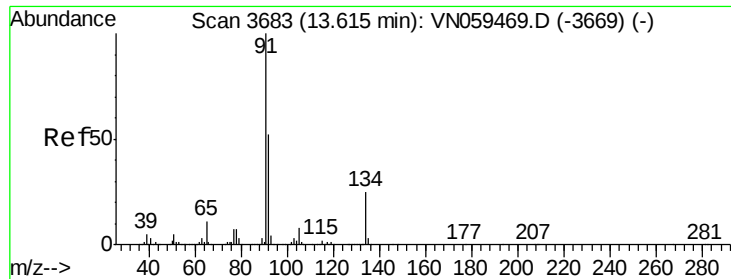
Tot Ion:146 Resp: 105402
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.4 61.3
 148 64.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.571 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion:146 Resp: 103828
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.8 59.3
 148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 18.404 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

ClientSampled :

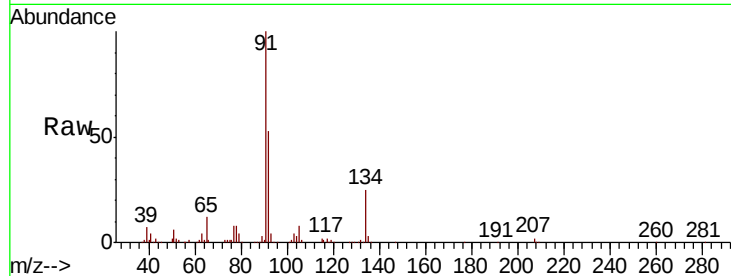
Tot Ion: 91 Resp: 178766

Ion Ratio Lower Upper

91 100

92 51.6 25.9 77.8

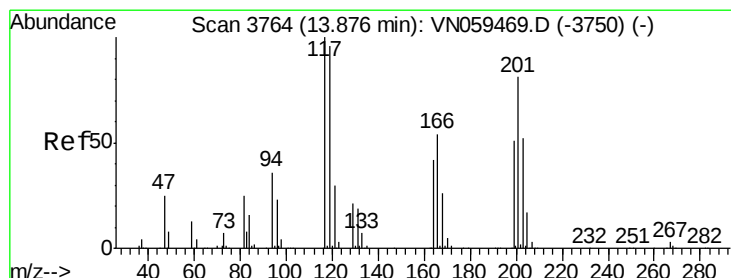
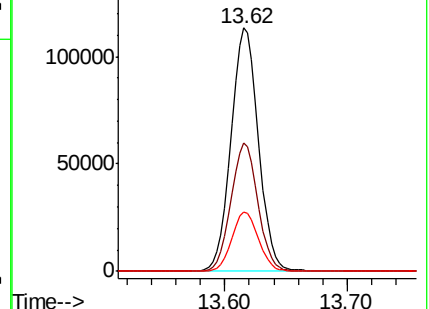
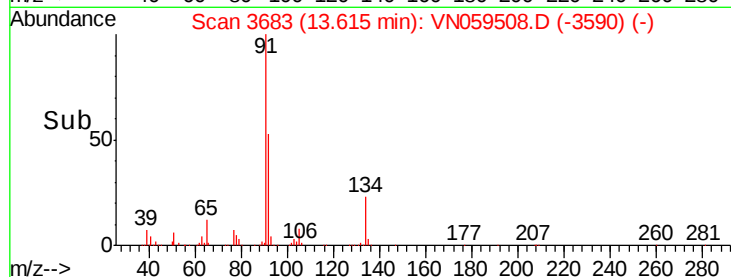
134 23.8 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VN059469.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059469.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059469.D (-3669) (-)



#90

Hexachloroethane

Concen: 19.583 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN059508.D

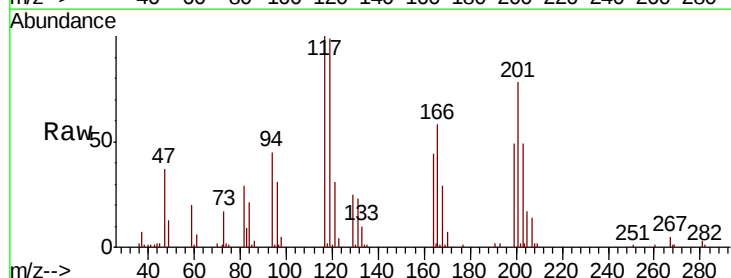
Acq: 6 Dec 2019 12:32

Tgt Ion: 117 Resp: 40949

Ion Ratio Lower Upper

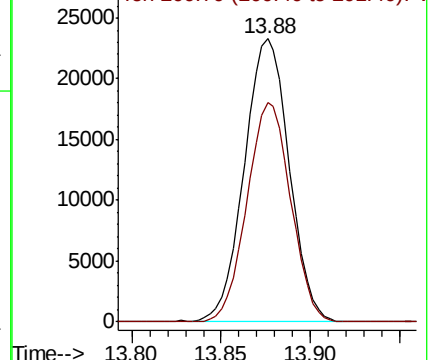
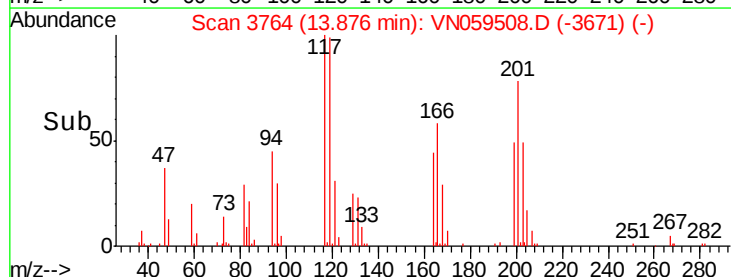
117 100

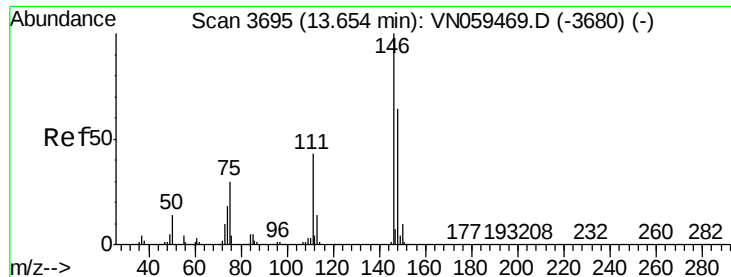
201 75.3 40.6 122.0



Abundance Ion 116.80 (116.50 to 117.50): VN059469.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059469.D (-3750) (-)

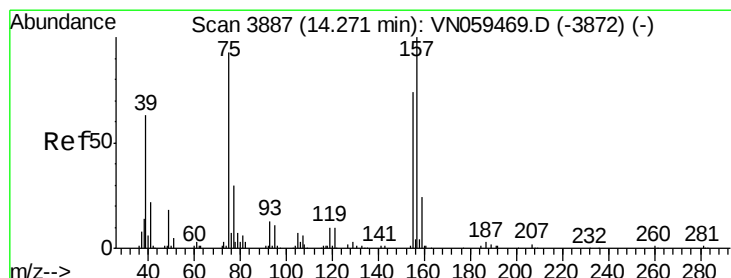
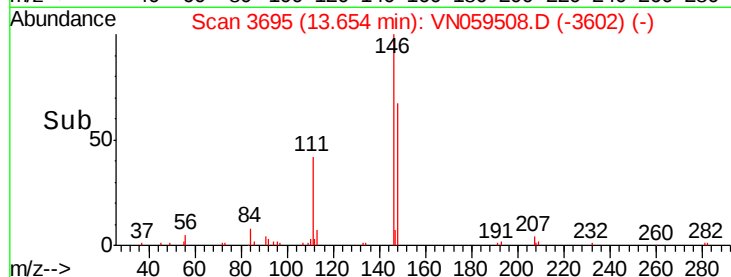
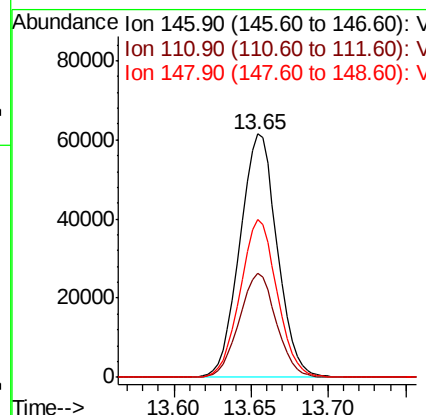
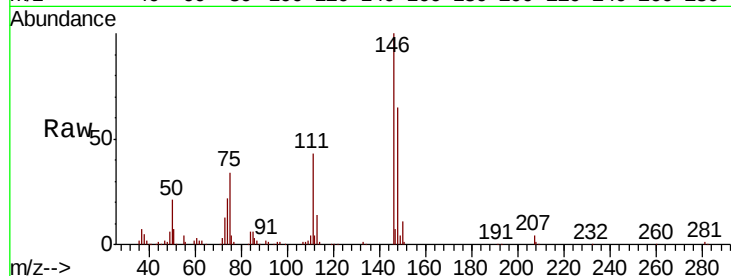




#91
 1,2-Dichlorobenzene
 Concen: 19.417 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

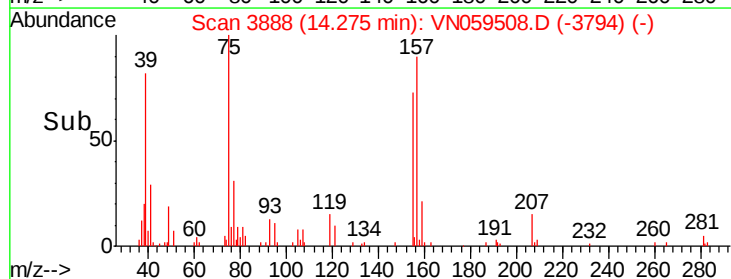
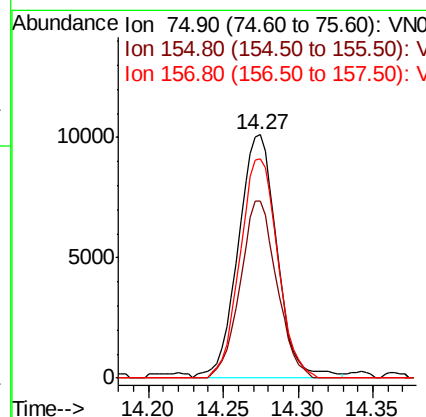
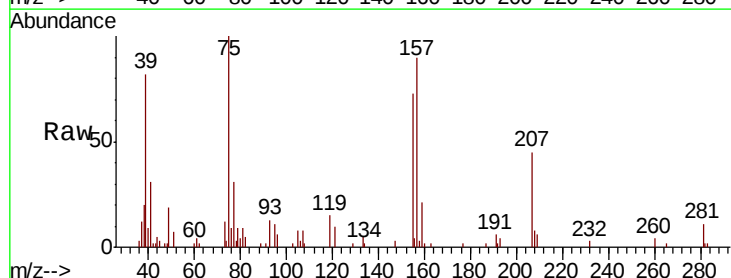
Instrument :
 MSVOA_N
 ClientSampleId :

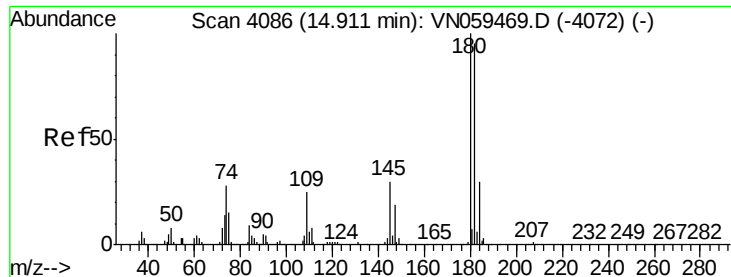
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	64.0	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.840 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.6	40.6	122.0
157	87.9	52.9	158.7

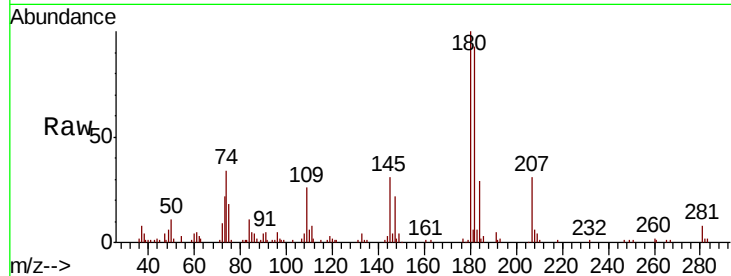




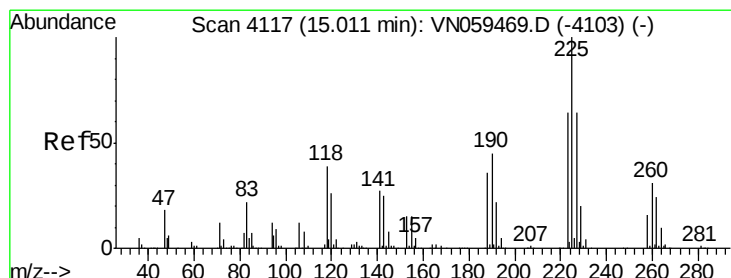
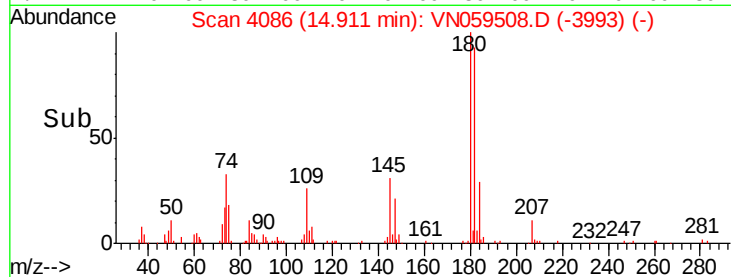
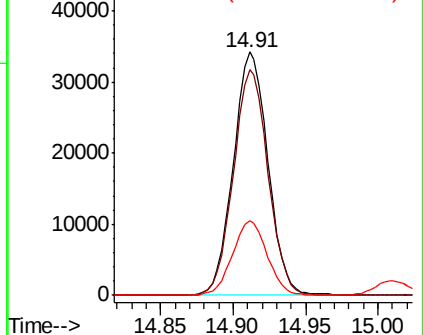
#93
 1,2,4-Trichlorobenzene
 Concen: 17.486 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 56731
 Ion Ratio Lower Upper
 180 100
 182 92.5 48.0 144.2
 145 30.6 15.2 45.6

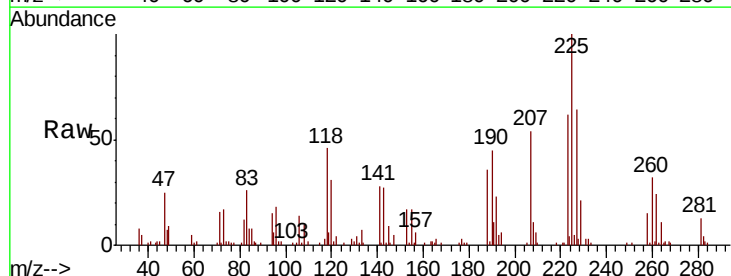


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

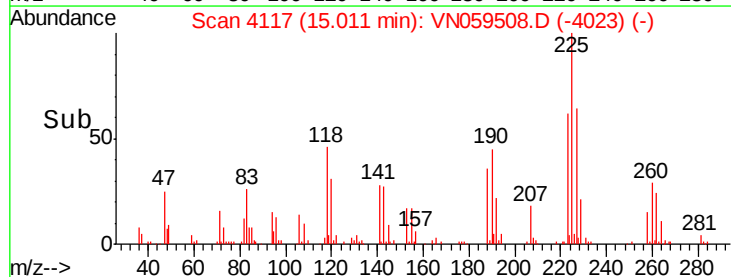
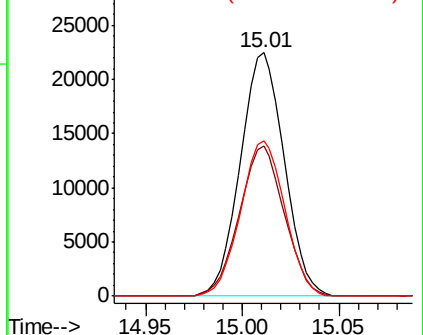


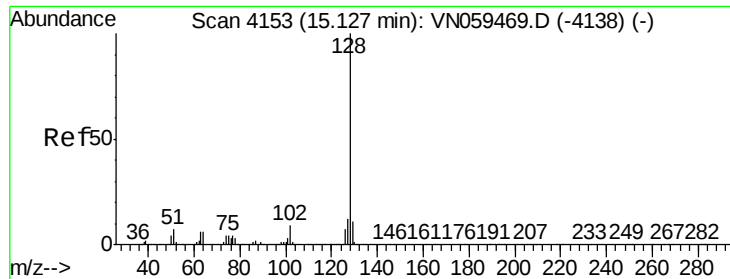
#94
 Hexachlorobutadiene
 Concen: 18.533 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059508.D
 Acq: 6 Dec 2019 12:32

Tgt Ion:225 Resp: 35616
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.5
 227 64.2 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.609 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

Instrument :

MSVOA_N

ClientSampleId :

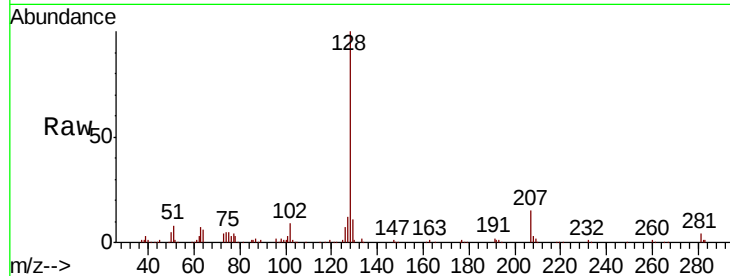
Tot Ion:128 Resp: 152016

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.7 8.8 13.2

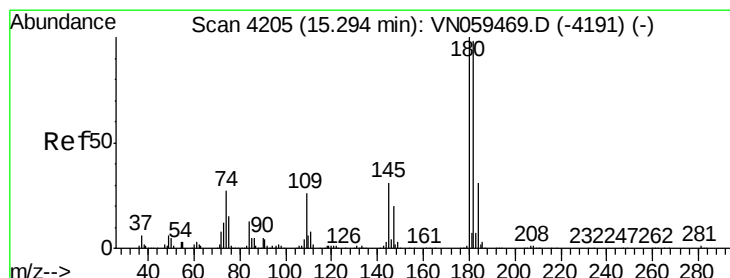
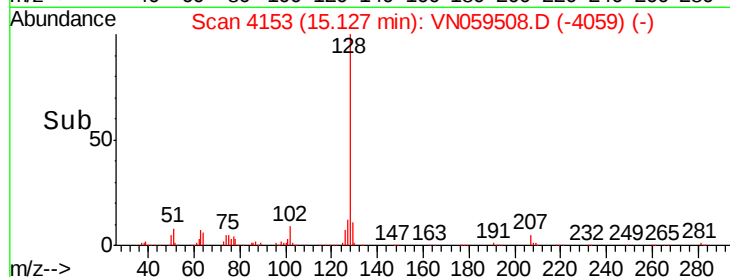
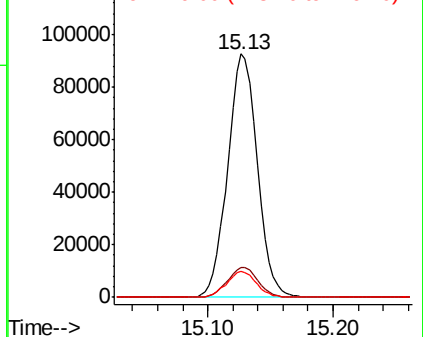


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 19.205 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059508.D

Acq: 6 Dec 2019 12:32

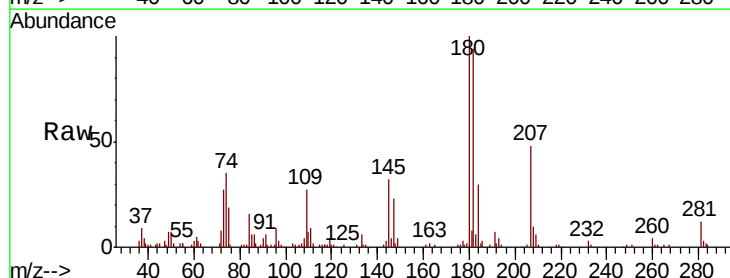
Tgt Ion:180 Resp: 58486

Ion Ratio Lower Upper

180 100

182 95.3 48.5 145.5

145 32.5 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

