

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120619\
 Data File : VN059504.D
 Acq On : 6 Dec 2019 10:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 22:16:41 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	251303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	401045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	372635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176337	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	182592	58.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.98%	
35) Dibromofluoromethane	7.57	113	132783	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.08	98	513818	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.40	95	183231	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	121881	43.584	ug/l	100
3) Chloromethane	2.04	50	134984	36.014	ug/l	98
4) Vinyl Chloride	2.17	62	109857	48.844	ug/l	100
5) Bromomethane	2.55	94	71628	52.405	ug/l	94
6) Chloroethane	2.68	64	73179	55.110	ug/l	98
7) Trichlorofluoromethane	3.00	101	165062	60.767	ug/l	98
8) Diethyl Ether	3.39	74	70247	39.692	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	116438	43.667	ug/l	96
10) Methyl Iodide	3.93	142	147955	43.821	ug/l	97
11) Tert butyl alcohol	4.75	59	114755	195.070	ug/l	99
12) 1,1-Dichloroethene	3.71	96	110069	42.228	ug/l	95
13) Acrolein	3.58	56	113346	222.008	ug/l	100
14) Allyl chloride	4.29	41	216500	42.171	ug/l	90
15) Acrylonitrile	4.95	53	333170	209.342	ug/l	98
16) Acetone	3.79	43	385213	220.343	ug/l	96
17) Carbon Disulfide	4.03	76	354963	39.912	ug/l	99
18) Methyl Acetate	4.29	43	179006	42.595	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	398073	44.810	ug/l	99
20) Methylene Chloride	4.52	84	130261	44.159	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	127120	43.587	ug/l	99
22) Diisopropyl ether	5.92	45	437102	45.744	ug/l	97
23) Vinyl Acetate	5.86	43	1877016	244.802	ug/l	98
24) 1,1-Dichloroethane	5.82	63	248996	45.871	ug/l	99
25) 2-Butanone	6.81	43	504650	212.676	ug/l	98
26) 2,2-Dichloropropane	6.80	77	222765	47.448	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	142630	44.034	ug/l	96
28) Bromochloromethane	7.17	49	104434	49.423	ug/l	96
29) Tetrahydrofuran	7.18	42	318534	213.490	ug/l	98
30) Chloroform	7.35	83	247109	47.148	ug/l	97
31) Cyclohexane	7.63	56	222390	42.283	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	217803	47.813	ug/l	97
36) 1,1-Dichloropropene	7.77	75	187963	45.039	ug/l	99
37) Ethyl Acetate	6.90	43	204391	43.845	ug/l	98
38) Carbon Tetrachloride	7.75	117	189802	47.285	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	216439	43.095	ug/l	97
40) Benzene	8.02	78	541219	44.286	ug/l	99
41) Methacrylonitrile	7.18	41	290206	153.604	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	211326	50.905	ug/l	97
43) Isopropyl Acetate	8.14	43	320667	46.249	ug/l	99
44) Trichloroethene	8.82	130	141143	44.194	ug/l	98
45) 1,2-Dichloropropane	9.10	63	148820	45.580	ug/l	100
46) Dibromomethane	9.19	93	95456	46.958	ug/l	96
47) Bromodichloromethane	9.39	83	197341	48.416	ug/l	100
48) Methyl methacrylate	9.18	41	146241	46.751	ug/l	91
49) 1,4-Dioxane	9.19	88	37787	798.327	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	974710	236.832	ug/l	95
52) Toluene	10.14	92	335943	45.451	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	221711	46.227	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	233012	45.836	ug/l #	89
55) 1,1,2-Trichloroethane	10.55	97	131307	45.065	ug/l	98
56) Ethyl methacrylate	10.42	69	195314	41.655	ug/l #	89
57) 1,3-Dichloropropane	10.70	76	229571	45.562	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	232133	150.973	ug/l	100
59) 2-Hexanone	10.74	43	721227	232.857	ug/l	95
60) Dibromochloromethane	10.90	129	148079	47.597	ug/l	99
61) 1,2-Dibromoethane	11.00	107	136807	45.440	ug/l	100
64) Tetrachloroethene	10.62	164	130715	41.239	ug/l	98
65) Chlorobenzene	11.43	112	349098	42.854	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	133240	45.519	ug/l	99
67) Ethyl Benzene	11.51	91	642115	44.989	ug/l	99
68) m/p-Xylenes	11.62	106	476210	89.607	ug/l	97
69) o-Xylene	11.94	106	225483	44.566	ug/l	99
70) Styrene	11.96	104	365504	45.253	ug/l	98
71) Bromoform	12.12	173	101683	44.567	ug/l #	99
73) Isopropylbenzene	12.25	105	615995	43.559	ug/l	100
74) N-amyl acetate	12.07	43	252079	44.254	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	193635	42.687	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	267788	61.076	ug/l #	100
77) Bromobenzene	12.53	156	144714	40.950	ug/l	97
78) n-propylbenzene	12.59	91	731086	44.424	ug/l	99
79) 2-Chlorotoluene	12.67	91	420833	42.420	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	520977	44.083	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	69561	41.636	ug/l	90
82) 4-Chlorotoluene	12.77	91	442066	43.189	ug/l	99
83) tert-Butylbenzene	12.99	119	434169	42.316	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	515845	44.664	ug/l	100
85) sec-Butylbenzene	13.17	105	596332	43.853	ug/l	99
86) p-Isopropyltoluene	13.29	119	536840	44.054	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	262253	42.090	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	260228	41.412	ug/l	99
89) n-Butylbenzene	13.62	91	474558	43.467	ug/l	99
90) Hexachloroethane	13.87	117	103978	44.241	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	254185	42.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41046	43.861	ug/l	89

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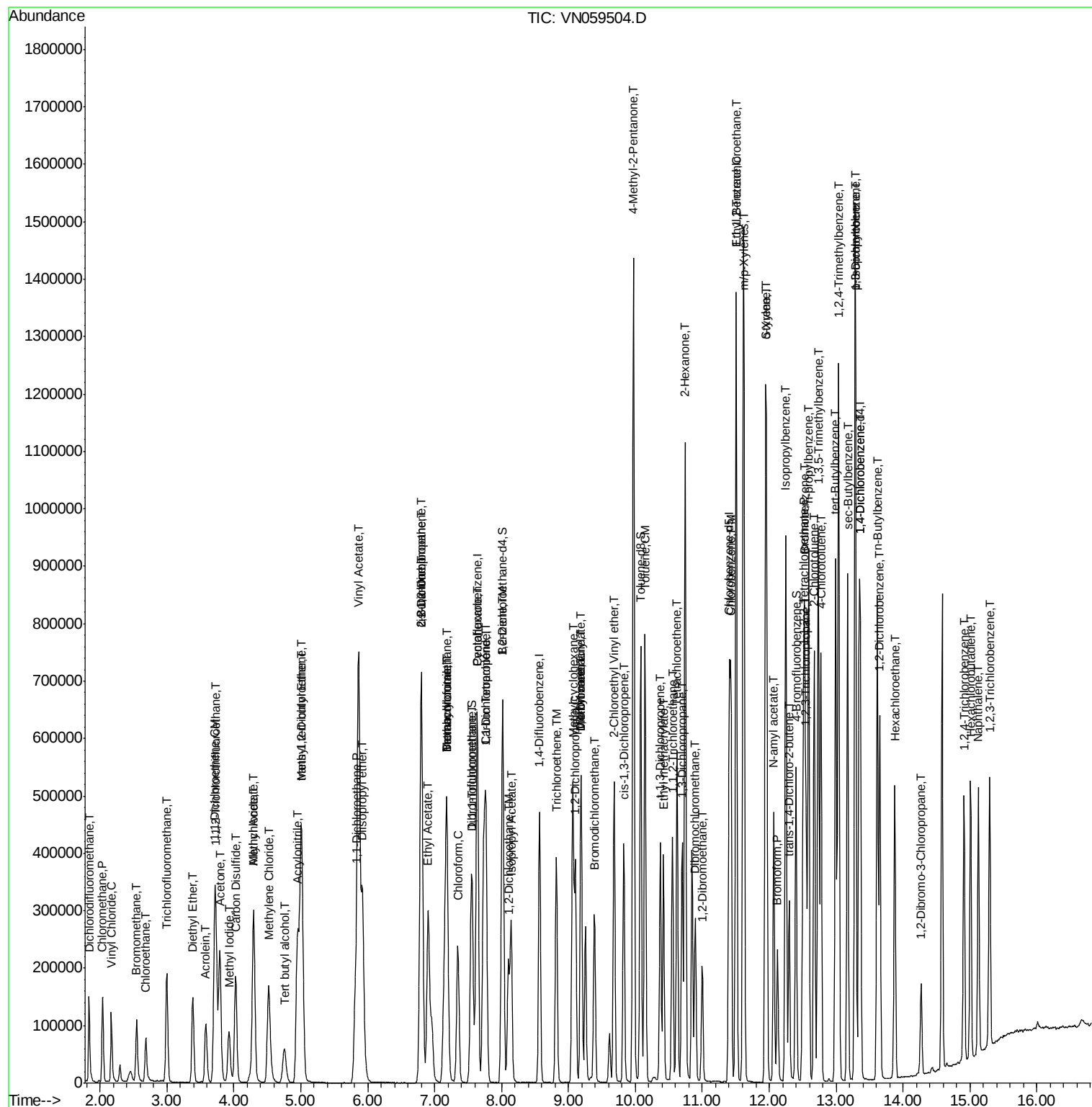
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139779	38.333	ug/l	100
94) Hexachlorobutadiene	15.01	225	86890	41.901	ug/l	99
95) Naphthalene	15.13	128	359621	36.487	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	141142	38.981	ug/l	98

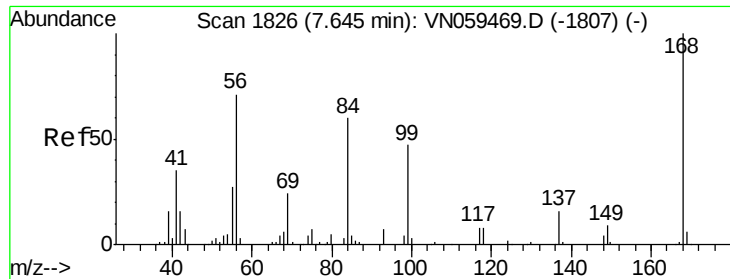
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120619\
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Acq On : 6 Dec 2019 10:09
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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# 1825

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

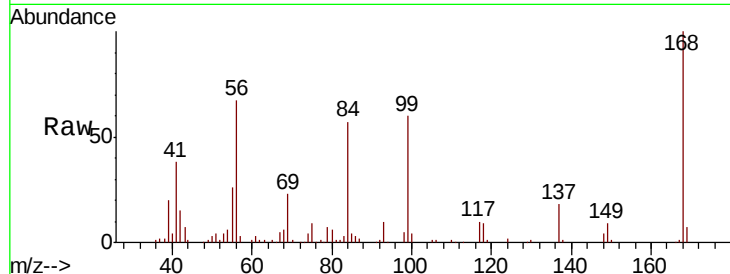
ClientSampleId :

Tot Ion:168 Resp: 251303

Ion Ratio Lower Upper

168 100

99 59.6 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

60000

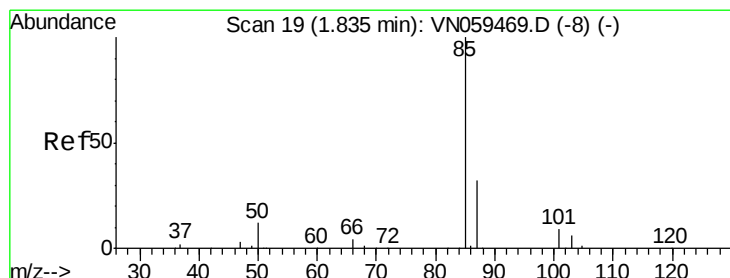
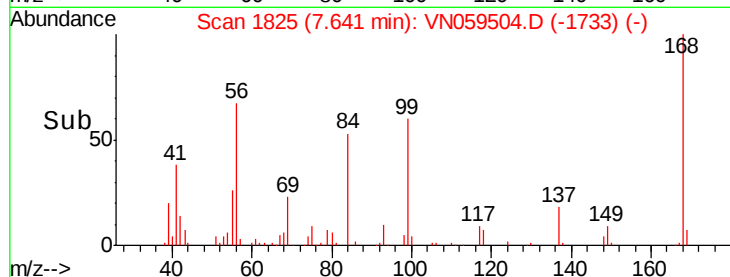
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.584 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059504.D

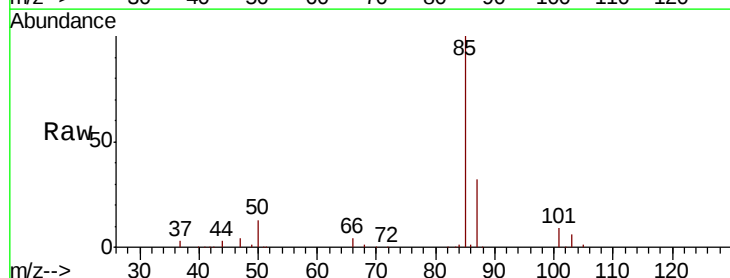
Acq: 6 Dec 2019 10:09

Tgt Ion: 85 Resp: 121881

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

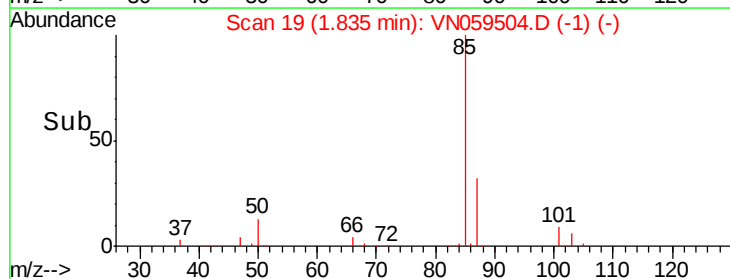
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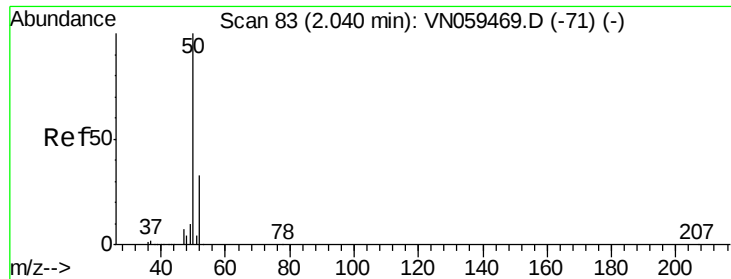
20000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 36.014 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

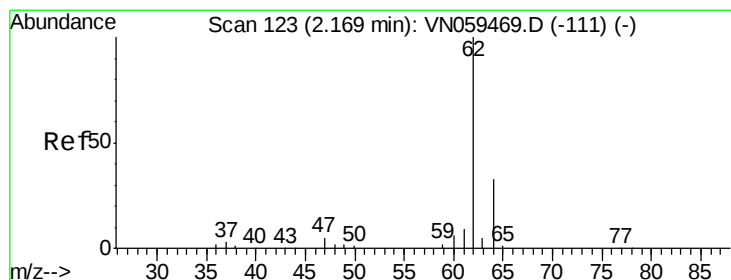
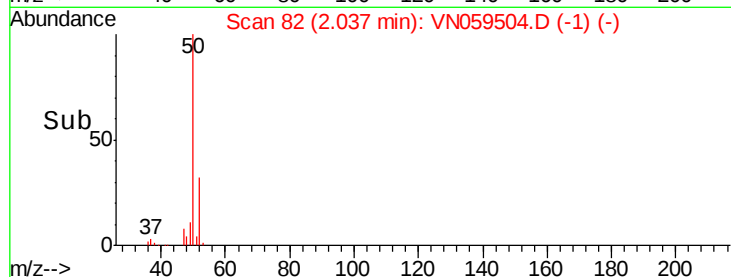
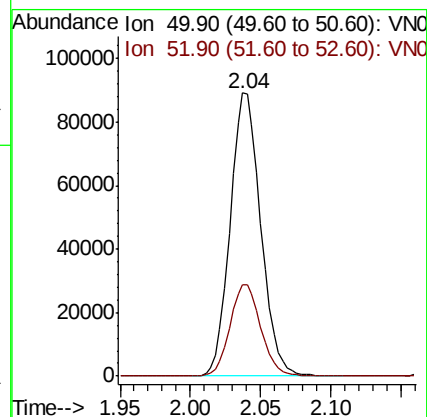
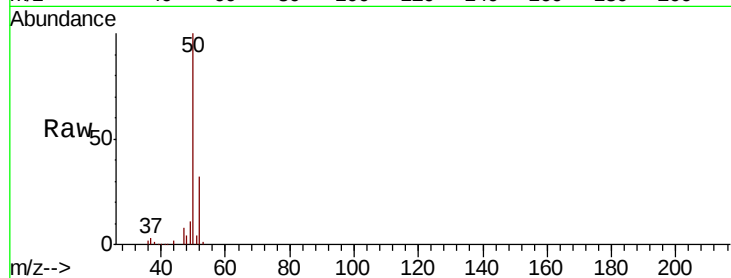
ClientSampleId :

Tot Ion: 50 Resp: 134984

Ion Ratio Lower Upper

50 100

52 32.2 26.5 39.7



#4

Vinyl Chloride

Concen: 48.844 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059504.D

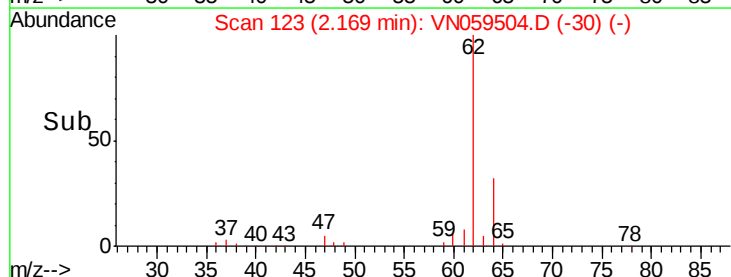
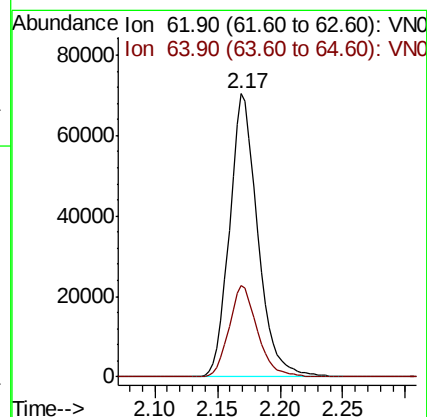
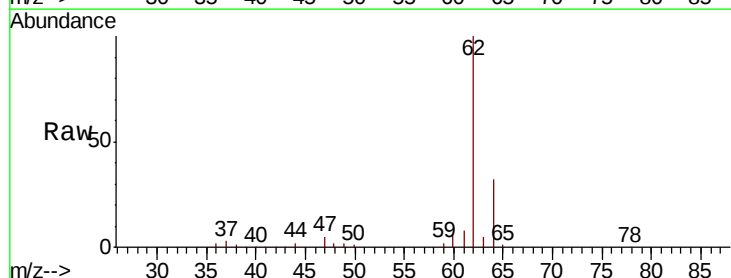
Acq: 6 Dec 2019 10:09

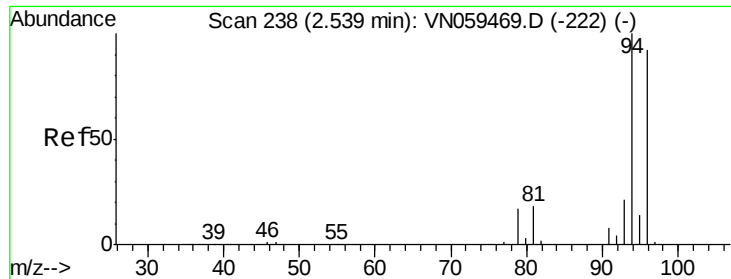
Tgt Ion: 62 Resp: 109857

Ion Ratio Lower Upper

62 100

64 32.3 26.0 39.0





#5

Bromomethane

Concen: 52.405 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

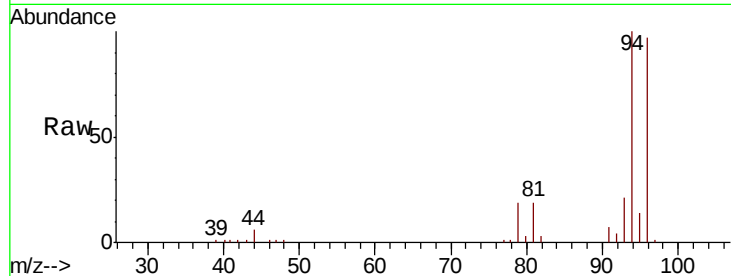
ClientSampleId :

Tot Ion: 94 Resp: 71628

Ion Ratio Lower Upper

94 100

96 97.3 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) (-)

2.55

40000

30000

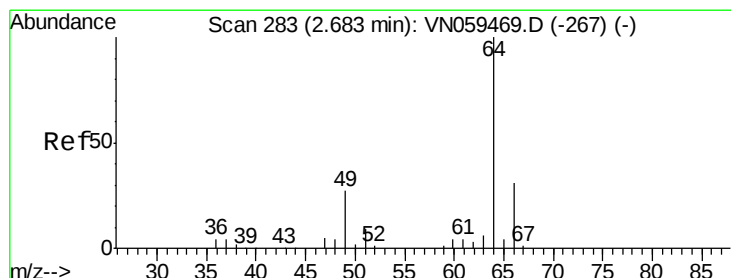
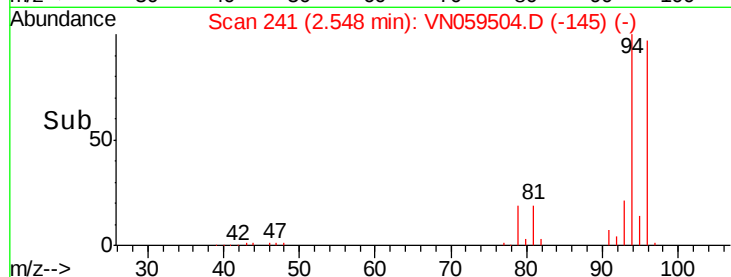
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 55.110 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059504.D

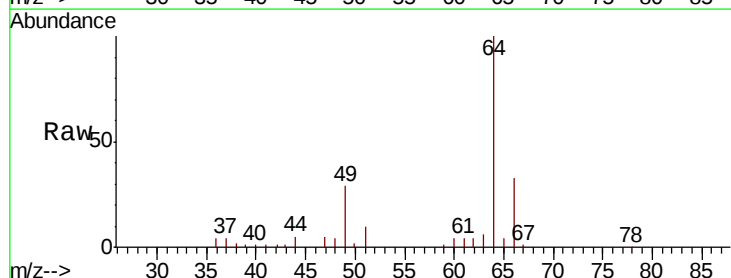
Acq: 6 Dec 2019 10:09

Tgt Ion: 64 Resp: 73179

Ion Ratio Lower Upper

64 100

66 32.5 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) (-)

2.68

40000

30000

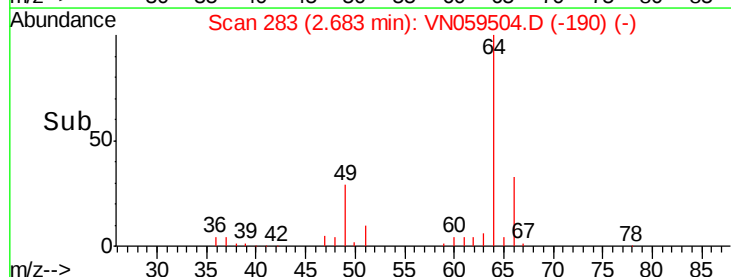
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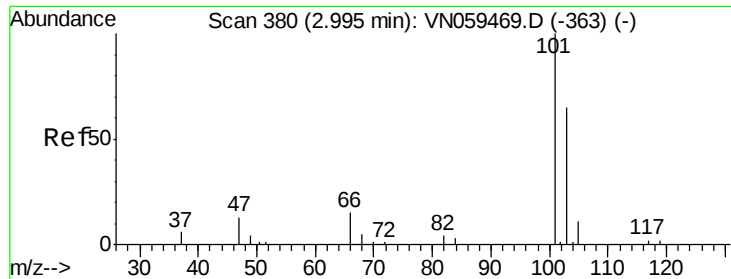
10000

0

Time-->

2.60 2.70 2.80



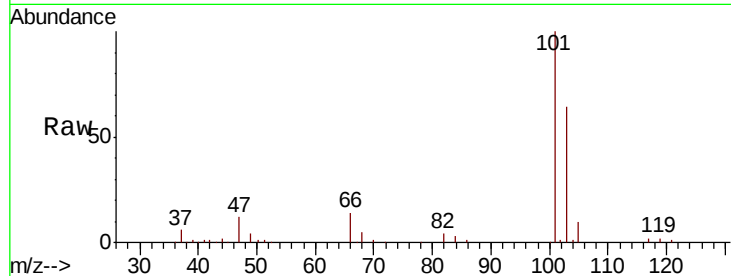


#7

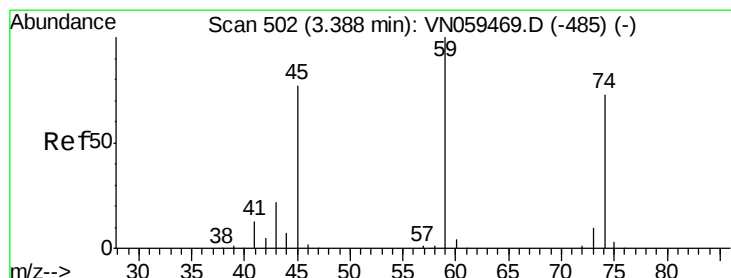
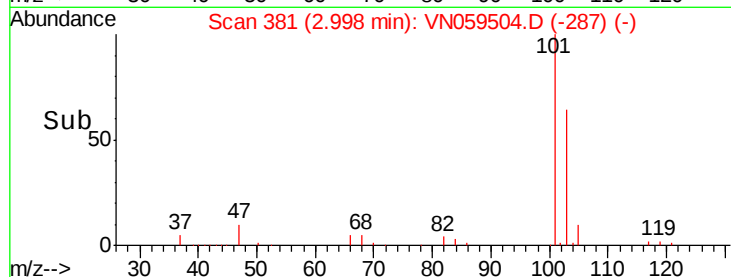
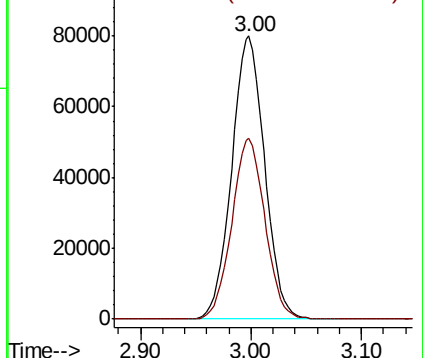
Trichlorofluoromethane
Concen: 60.767 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 165062
Ion Ratio Lower Upper
101 100
103 64.2 52.4 78.6



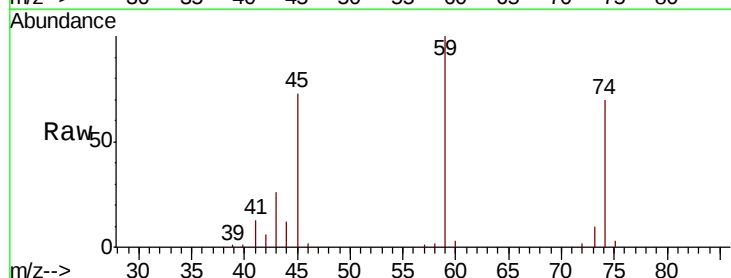
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



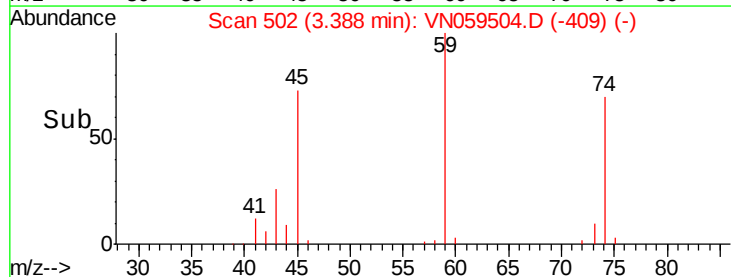
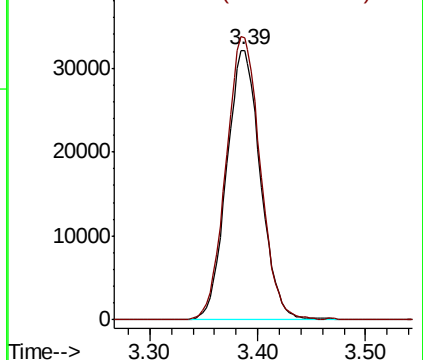
#8

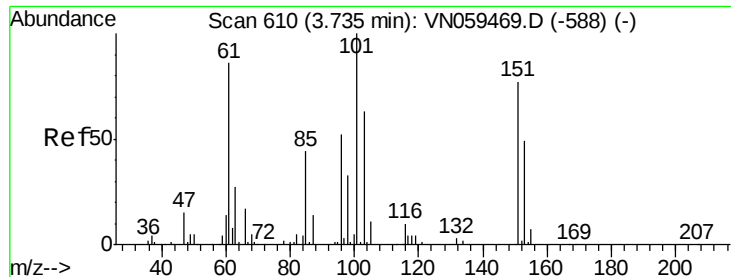
Diethyl Ether
Concen: 39.692 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 74 Resp: 70247
Ion Ratio Lower Upper
74 100
45 106.5 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.667 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

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ClientSampleId :

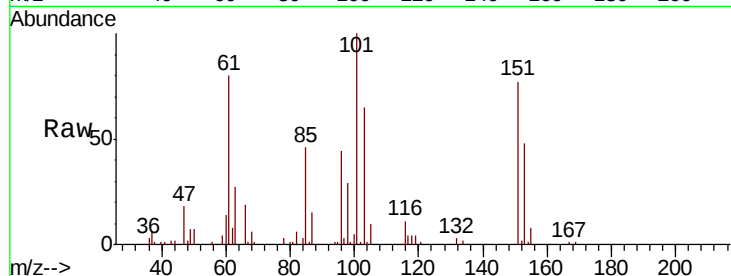
Tot Ion:101 Resp: 116438

Ion Ratio Lower Upper

101 100

85 46.8 35.2 52.8

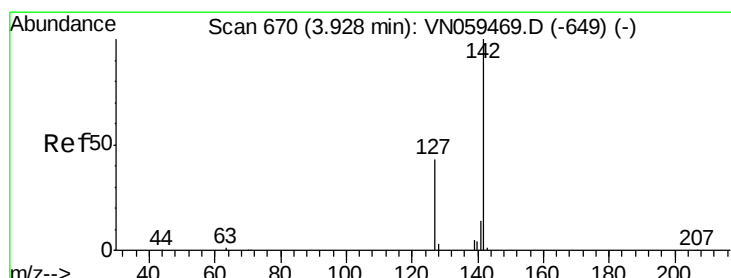
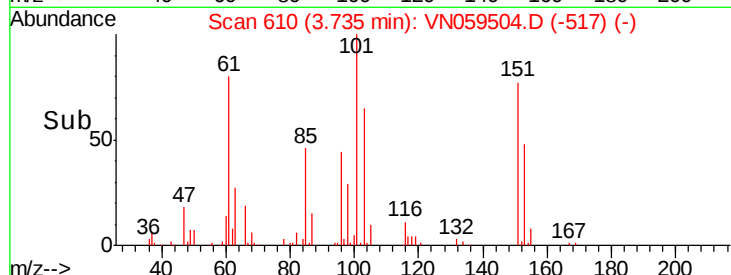
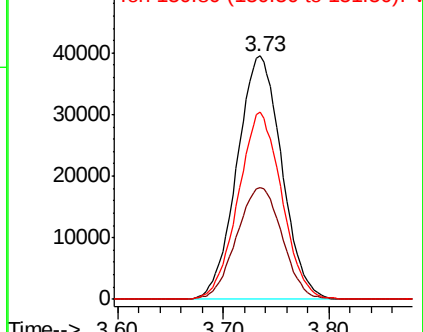
151 74.9 62.4 93.6



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: 43.821 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

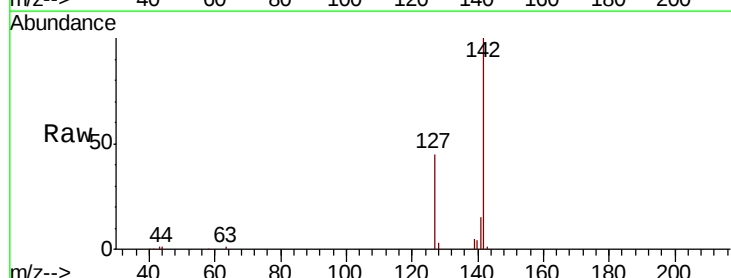
Tgt Ion:142 Resp: 147955

Ion Ratio Lower Upper

142 100

127 45.7 34.6 52.0

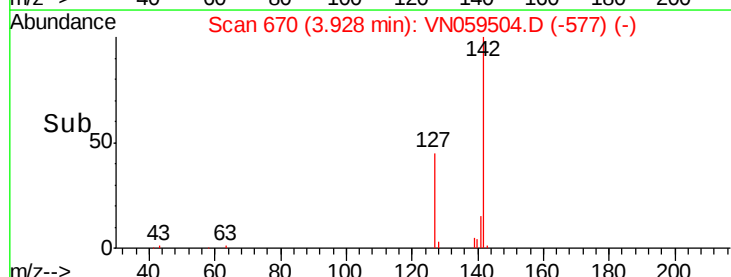
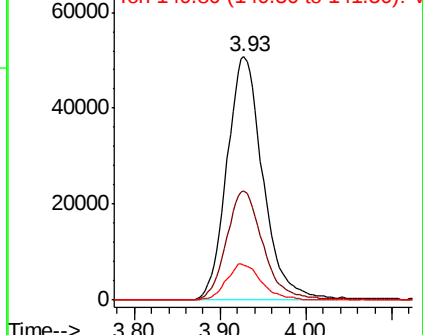
141 14.6 11.4 17.0

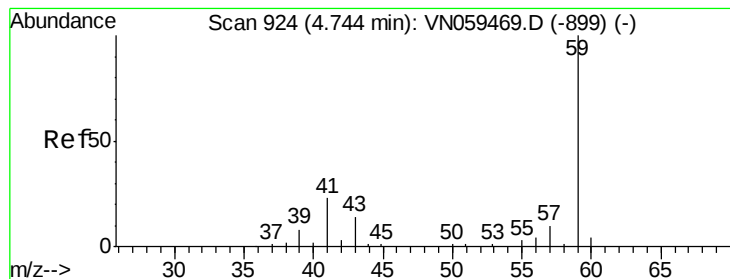


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



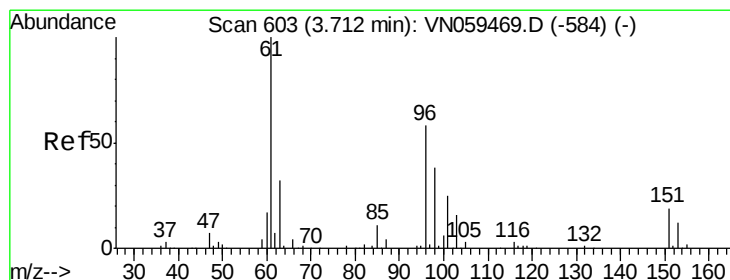
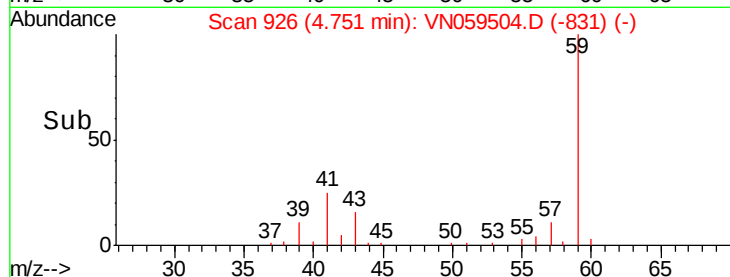
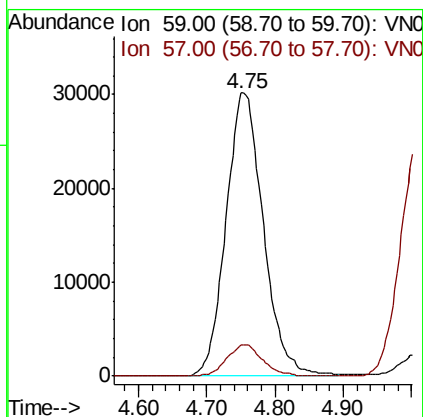
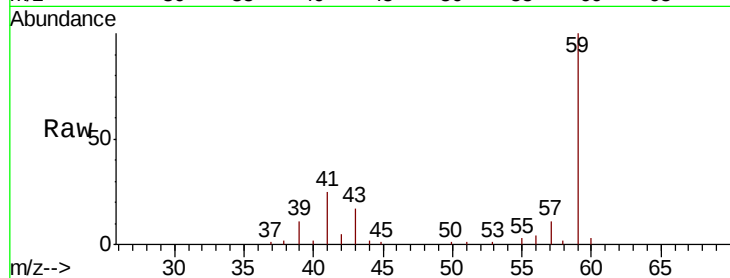


#11

Tert butyl alcohol
Concen: 195.070 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.01 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :

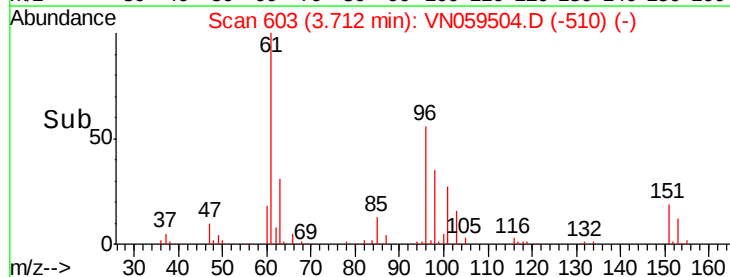
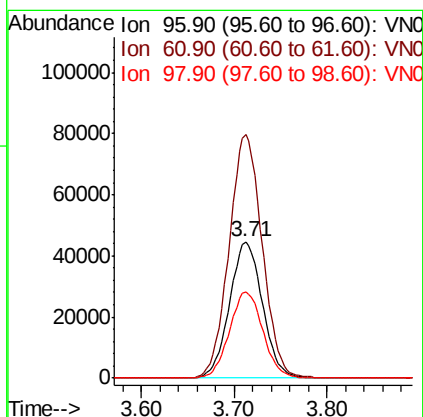
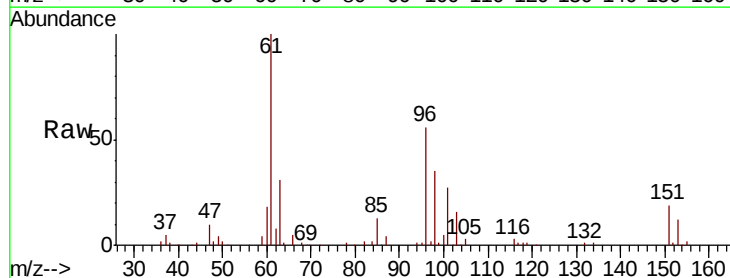
Tot Ion: 59 Resp: 114755
Ion Ratio Lower Upper
59 100
57 10.5 8.1 12.1

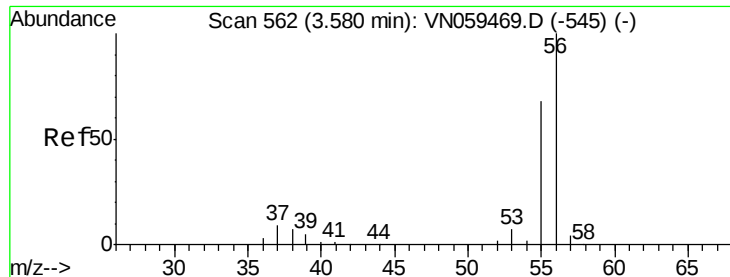


#12

1,1-Dichloroethene
Concen: 42.228 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 96 Resp: 110069
Ion Ratio Lower Upper
96 100
61 178.8 137.1 205.7
98 62.9 52.4 78.6





#13

Acrolein

Concen: 222.008 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

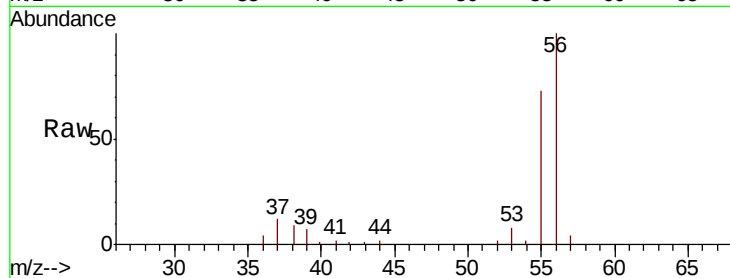
ClientSampled :

Tot Ion: 56 Resp: 113346

Ion Ratio Lower Upper

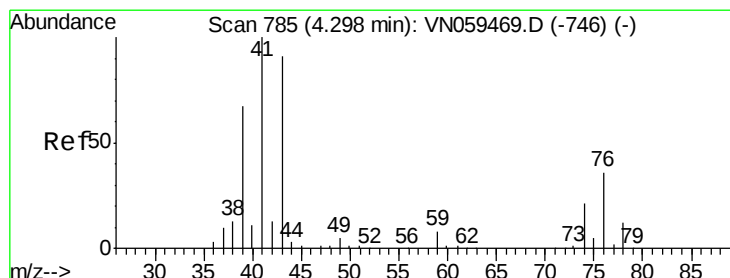
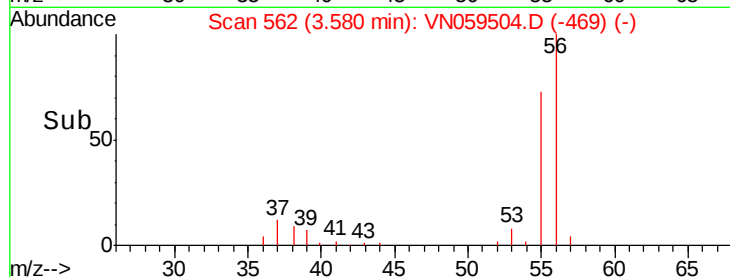
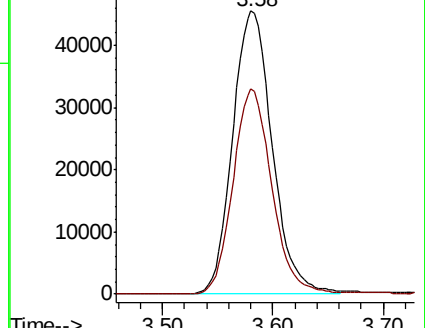
56 100

55 70.9 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN059469.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN059469.D (-545) (-)



#14

Allyl chloride

Concen: 42.171 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

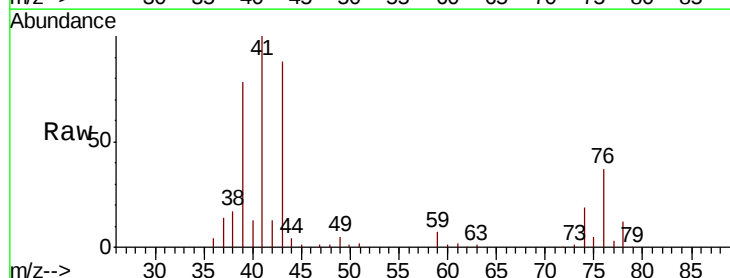
Tgt Ion: 41 Resp: 216500

Ion Ratio Lower Upper

41 100

39 72.6 49.3 73.9

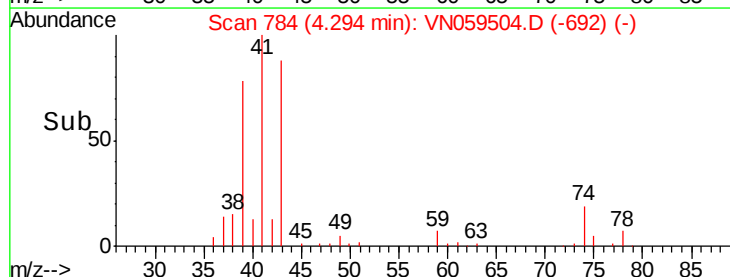
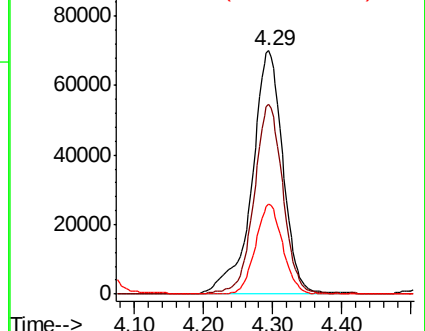
76 32.4 25.6 38.4

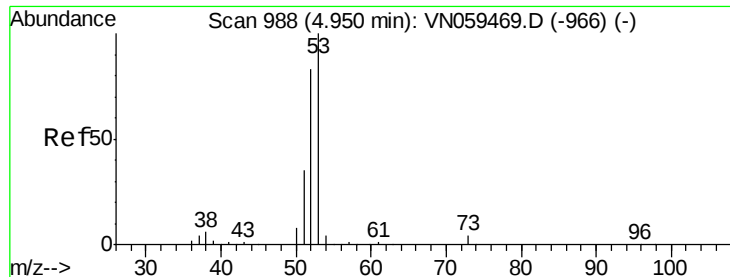


Abundance Ion 41.00 (40.70 to 41.70): VN059469.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN059469.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN059469.D (-746) (-)





#15

Acrylonitrile

Concen: 209.342 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

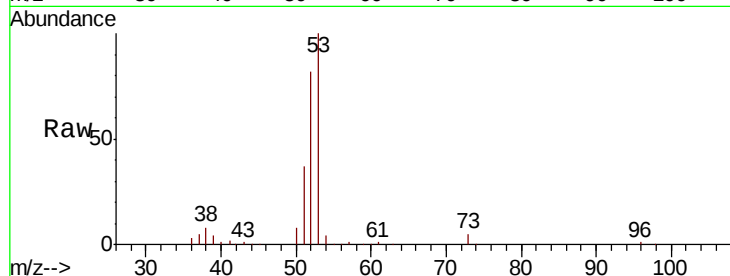
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 333170

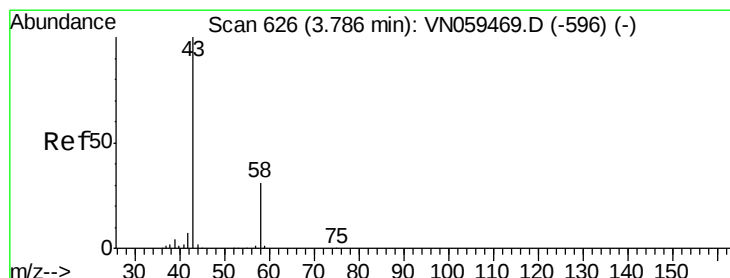
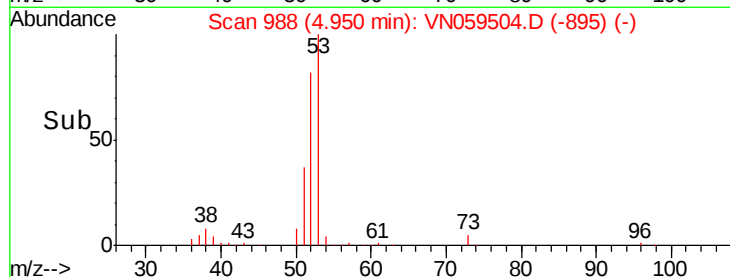
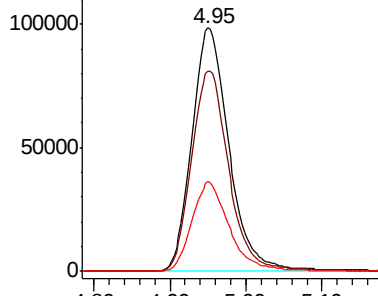
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.5	98.3
51	37.1	28.5	42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 220.343 ug/l

RT: 3.79 min Scan# 627

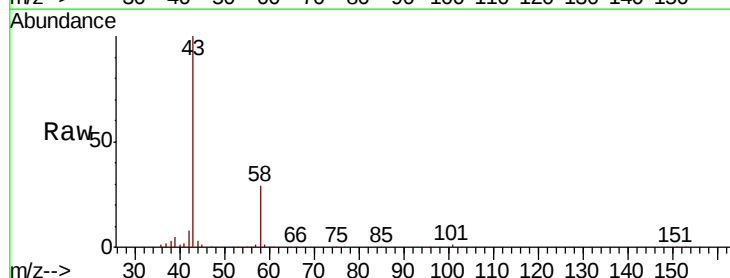
Delta R.T. 0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

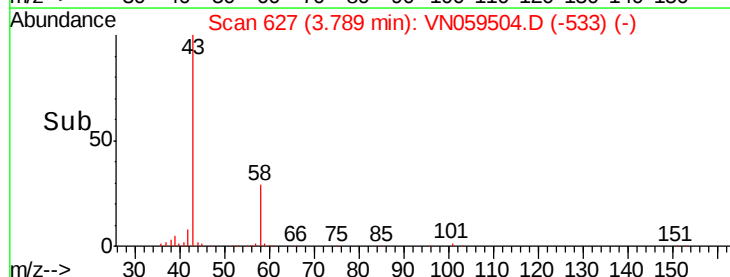
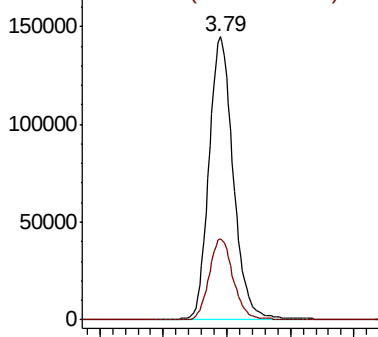
Tgt Ion: 43 Resp: 385213

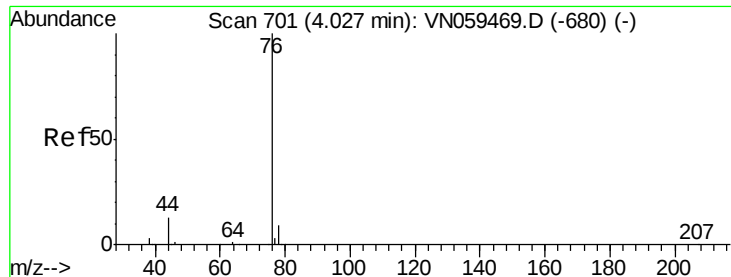
Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.9	37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 39.912 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

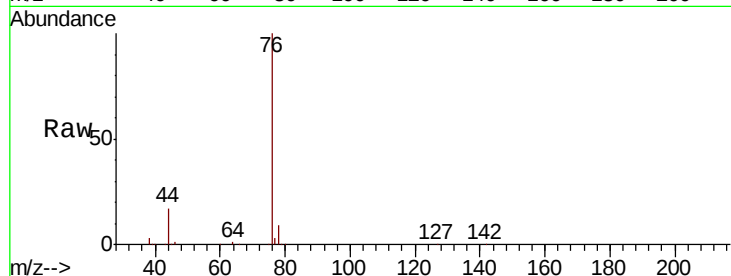
ClientSampled :

Tot Ion: 76 Resp: 354963

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN059504.D (-680) (-)

Ion 77.90 (77.60 to 78.60): VN059504.D (-680) (-)

4.03

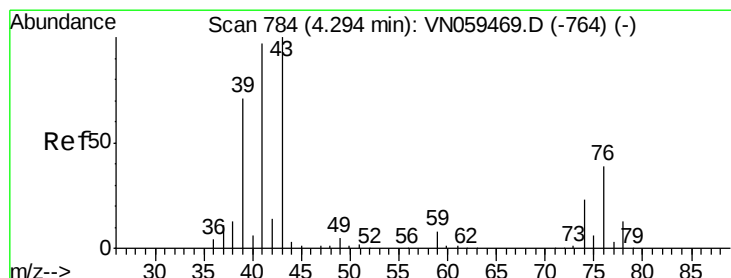
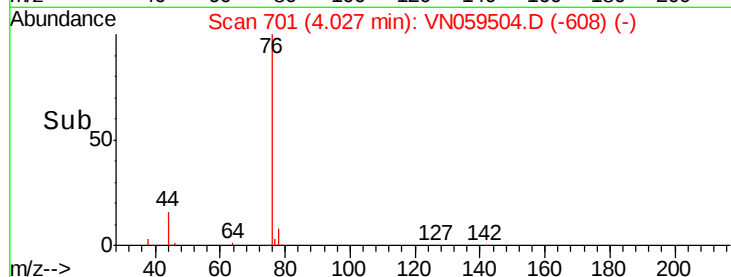
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 42.595 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059504.D

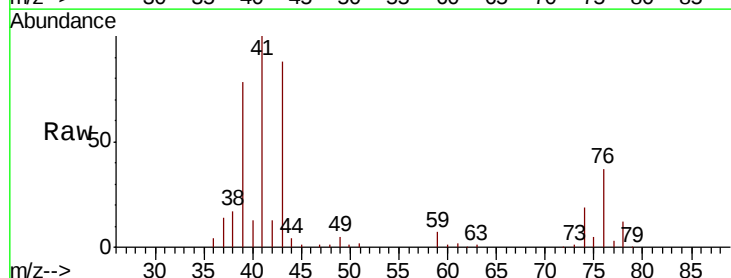
Acq: 6 Dec 2019 10:09

Tgt Ion: 43 Resp: 179006

Ion Ratio Lower Upper

43 100

74 22.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN059504.D (-691) (-)

Ion 74.00 (73.70 to 74.70): VN059504.D (-691) (-)

4.29

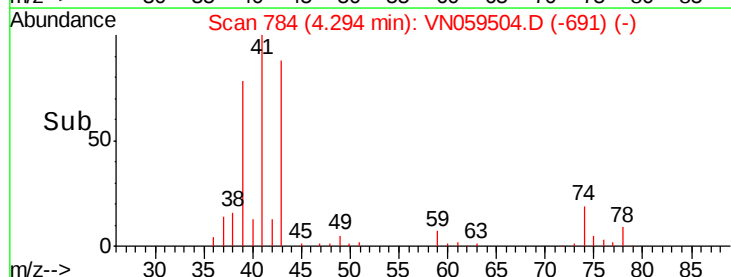
60000

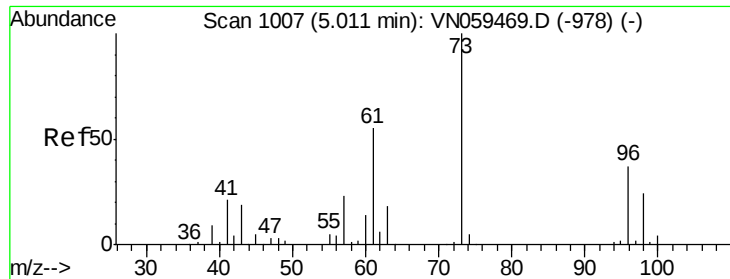
40000

20000

0

Time-->

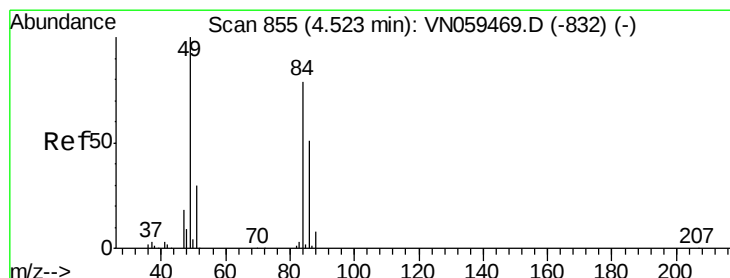
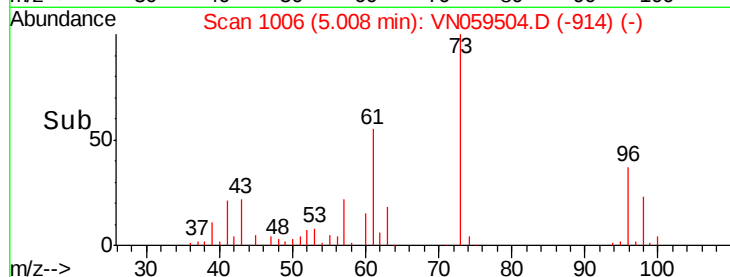
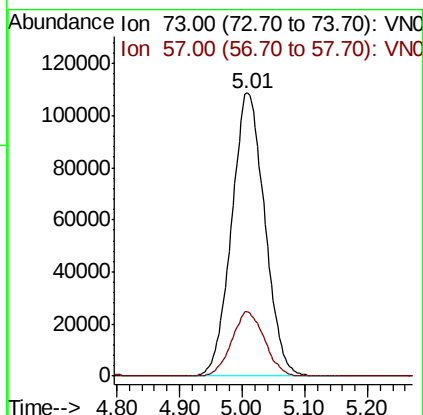
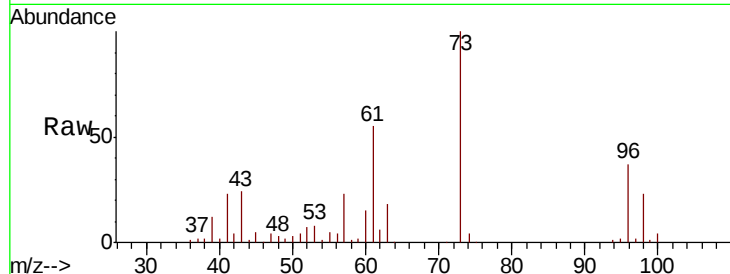




#19
Methvl tert-butvl Ether
Concen: 44.810 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

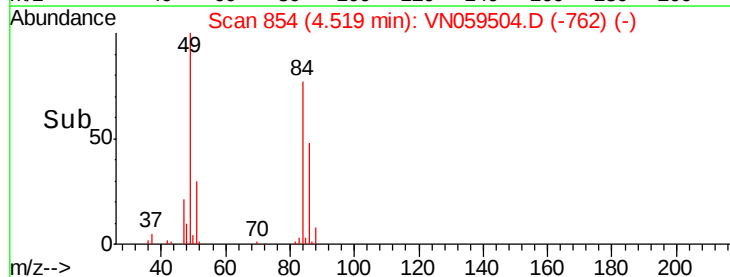
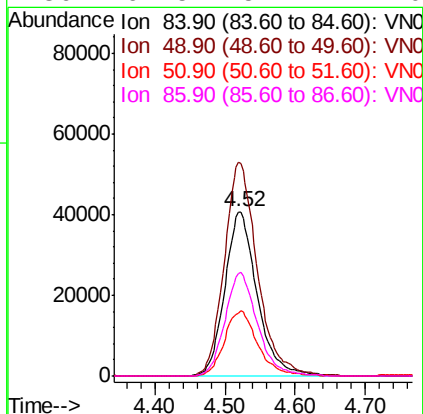
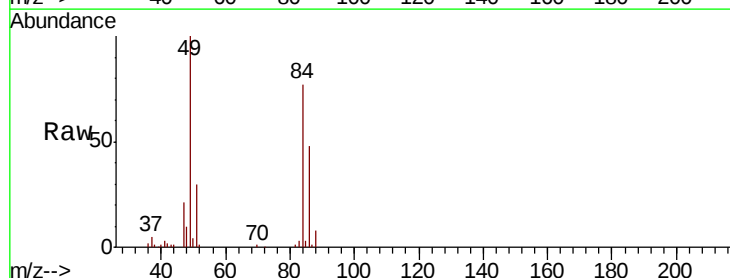
Instrument :
MSVOA_N
ClientSampled :

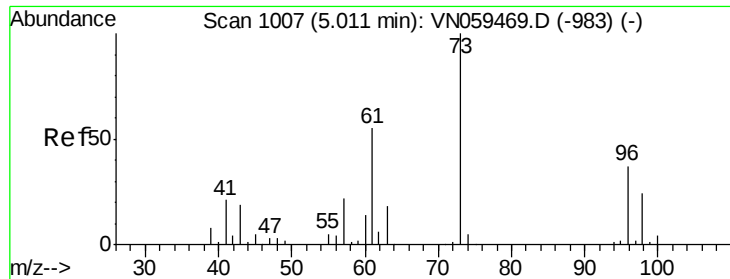
Tot Ion: 73 Resp: 398073
Ion Ratio Lower Upper
73 100
57 22.8 18.0 27.0



#20
Methylene Chloride
Concen: 44.159 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 84 Resp: 130261
Ion Ratio Lower Upper
84 100
49 129.9 101.1 151.7
51 38.5 30.7 46.1
86 62.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 43.587 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

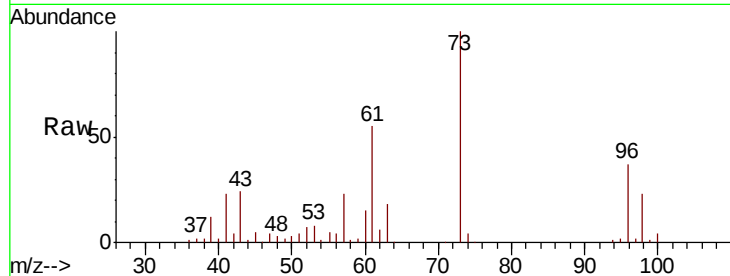
Tot Ion: 96 Resp: 127120

Ion Ratio Lower Upper

96 100

61 148.2 118.9 178.3

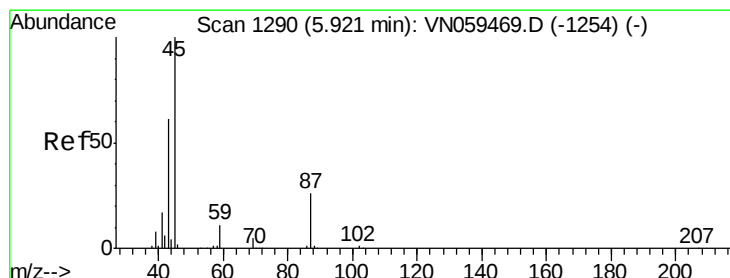
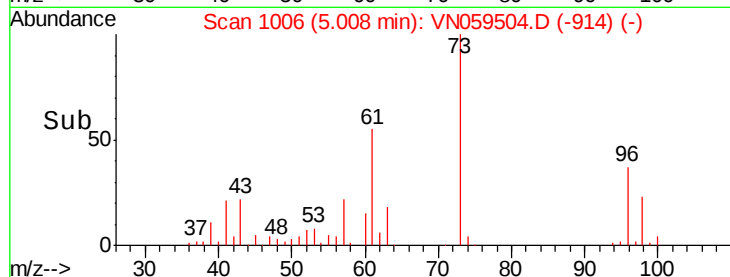
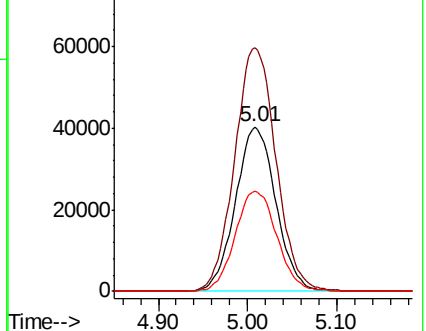
98 61.2 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN059469.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN059469.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN059469.D (-983) (-)



#22

Diisopropyl ether

Concen: 45.744 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Tgt Ion: 45 Resp: 437102

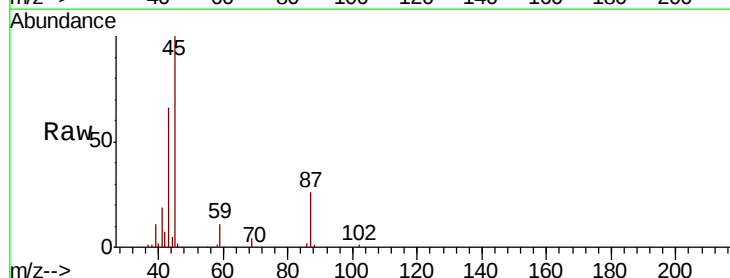
Ion Ratio Lower Upper

45 100

43 64.7 49.1 73.7

87 25.8 21.6 32.4

59 11.2 9.0 13.4

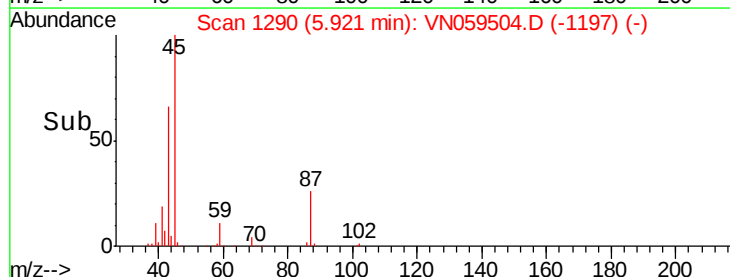
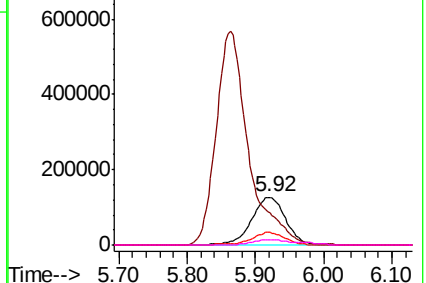


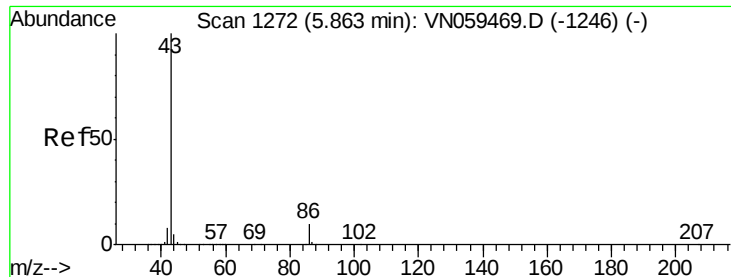
Abundance Ion 45.00 (44.70 to 45.70): VN059469.D (-1254) (-)

Ion 43.00 (42.70 to 43.70): VN059469.D (-1254) (-)

Ion 87.00 (86.70 to 87.70): VN059469.D (-1254) (-)

Ion 59.00 (58.70 to 59.70): VN059469.D (-1254) (-)





#23

Vinyl Acetate

Concen: 244.802 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

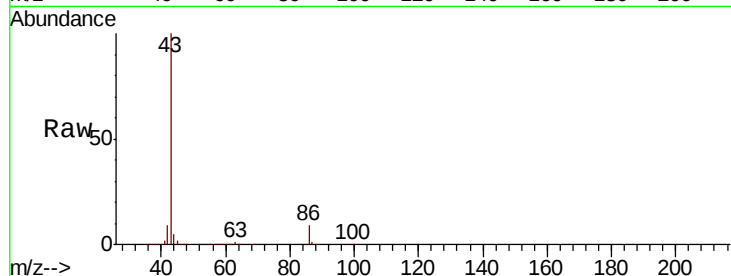
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1877016

Ion Ratio Lower Upper

43 100

86 9.4 8.0 12.0



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

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

5.86

600000

500000

400000

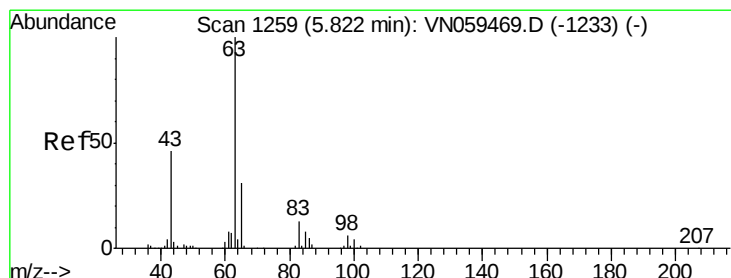
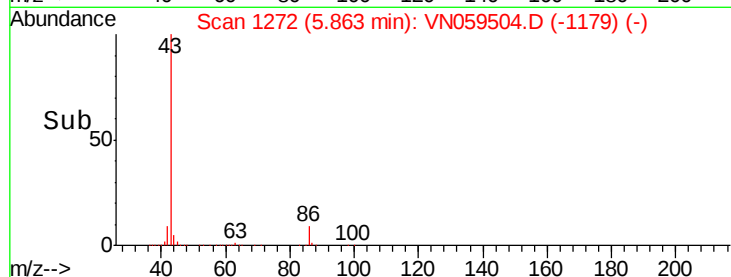
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.871 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

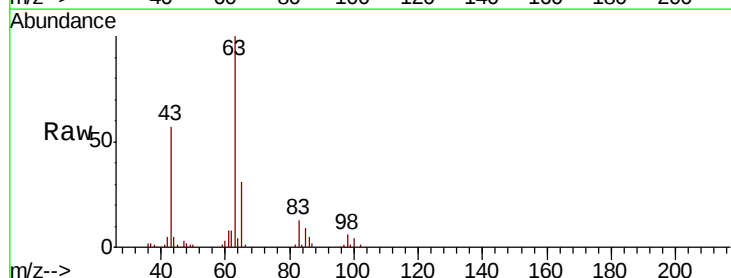
Tgt Ion: 63 Resp: 248996

Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.9 2.0 6.0



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

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

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

100000

80000

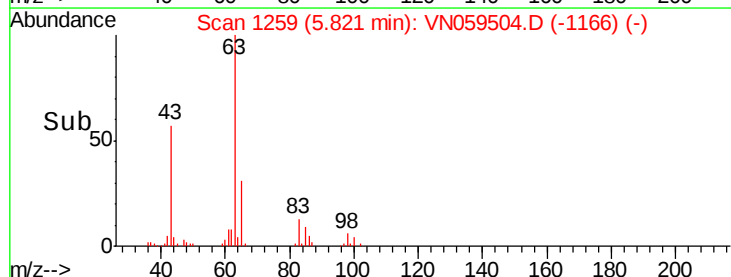
60000

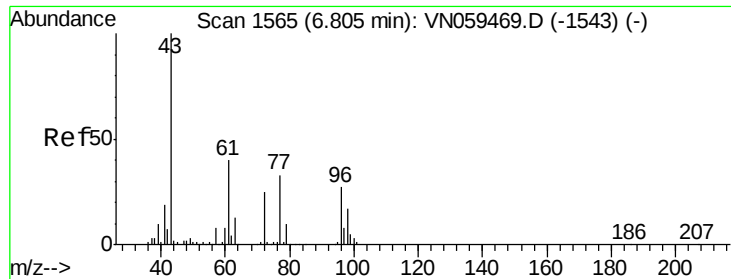
40000

20000

0

Time-->





#25

2-Butanone

Concen: 212.676 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

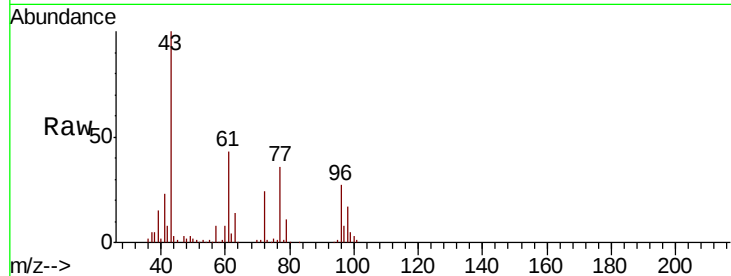
ClientSampled :

Tot Ion: 43 Resp: 504650

Ion Ratio Lower Upper

43 100

72 24.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

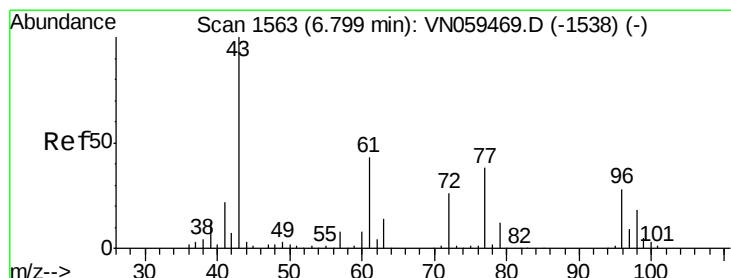
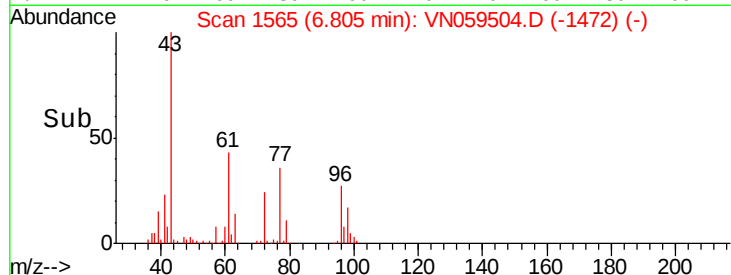
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.448 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059504.D

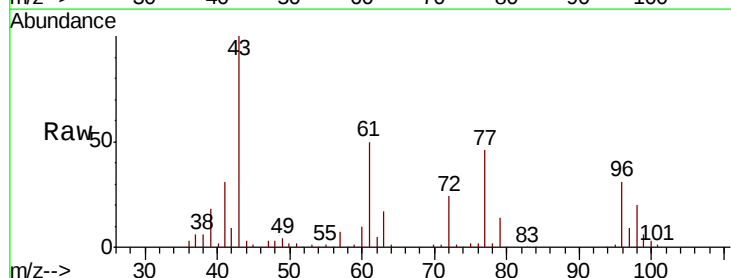
Acq: 6 Dec 2019 10:09

Tgt Ion: 77 Resp: 222765

Ion Ratio Lower Upper

77 100

97 21.0 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

80000

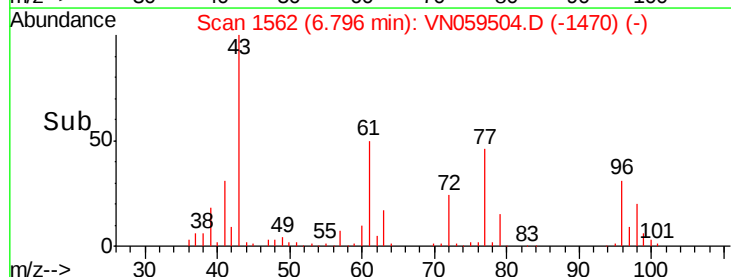
60000

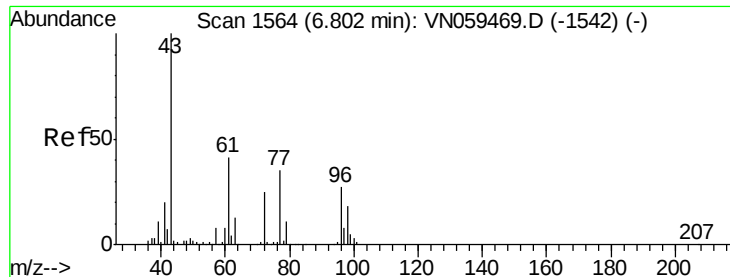
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 44.034 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :

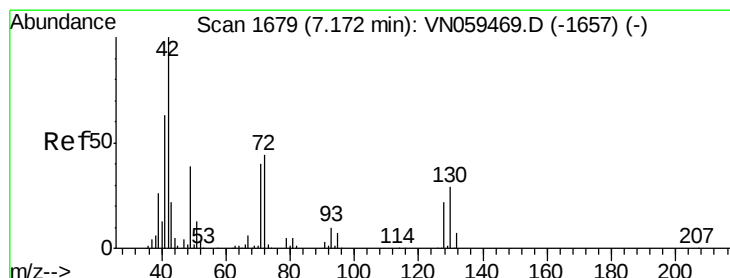
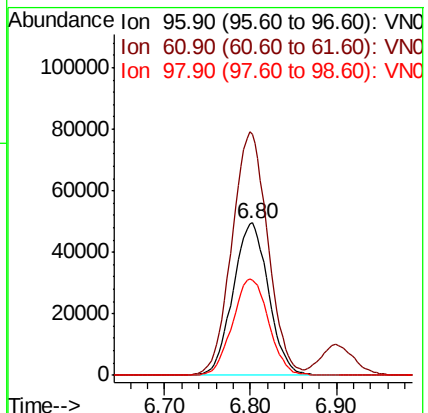
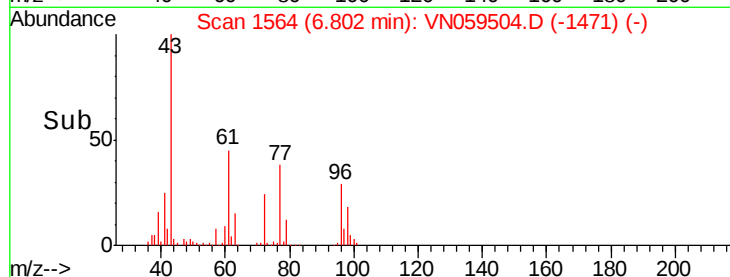
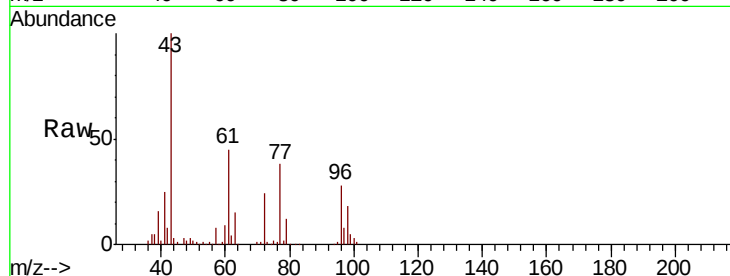
Tot Ion: 96 Resp: 142630

Ion Ratio Lower Upper

96 100

61 161.1 0.0 307.4

98 64.0 0.0 129.2



#28

Bromochloromethane

Concen: 49.423 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

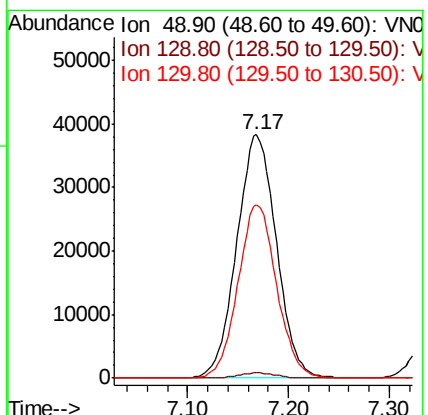
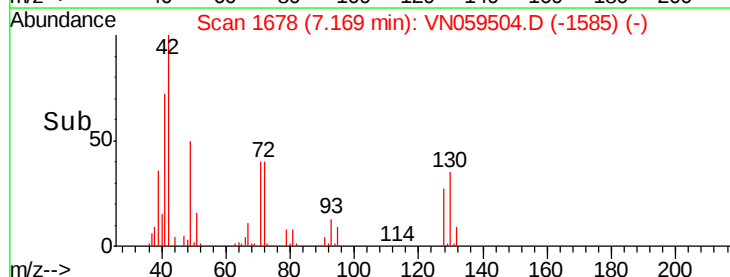
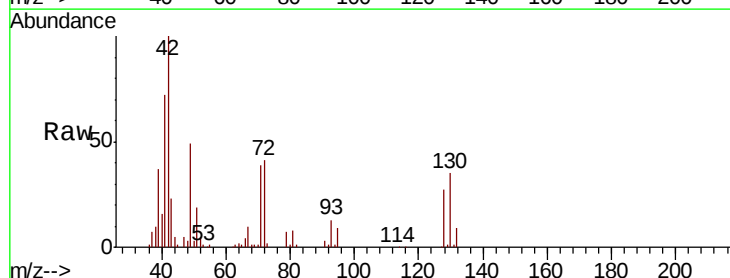
Tgt Ion: 49 Resp: 104434

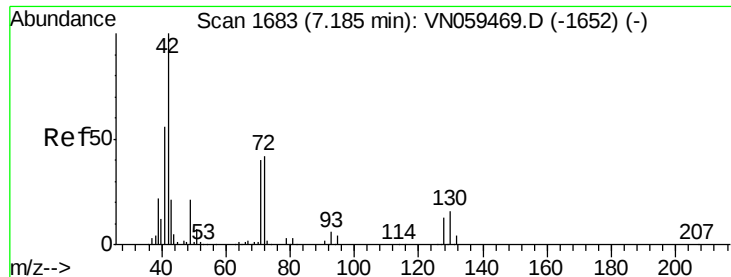
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.2

130 69.2 58.4 87.6

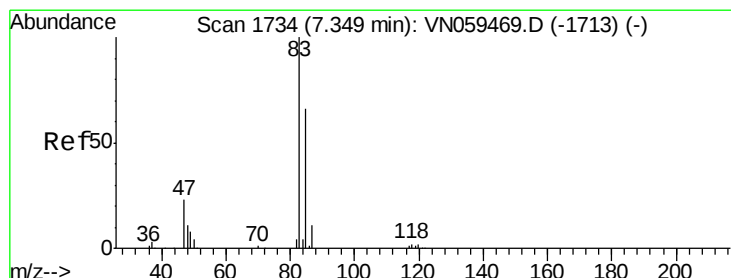
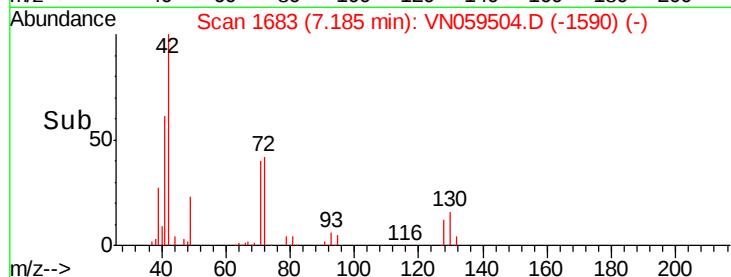
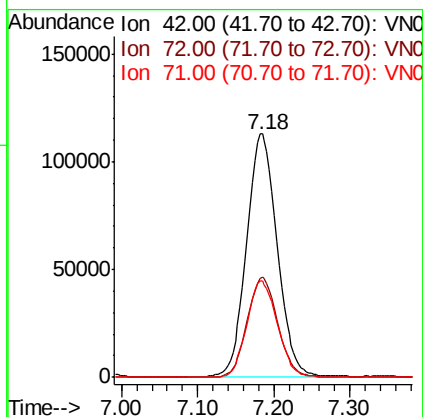
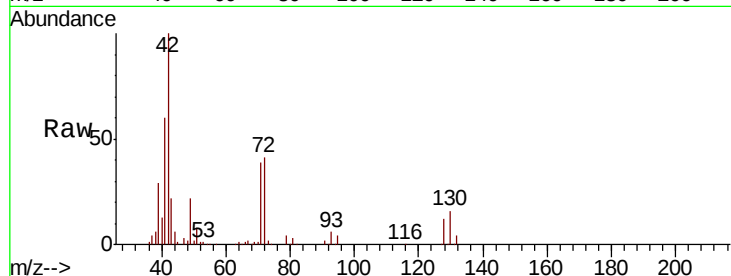




#29
Tetrahydrofuran
Concen: 213.490 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

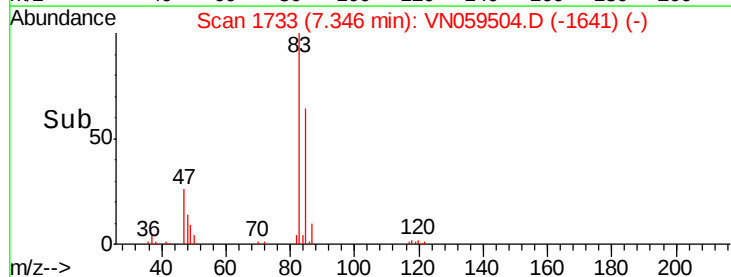
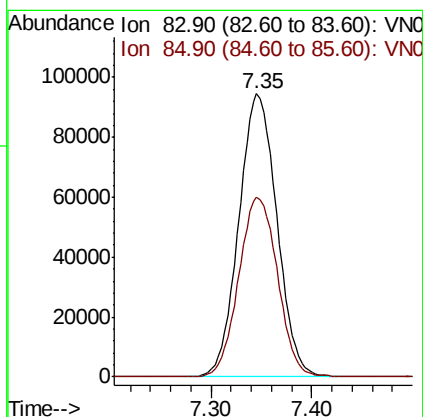
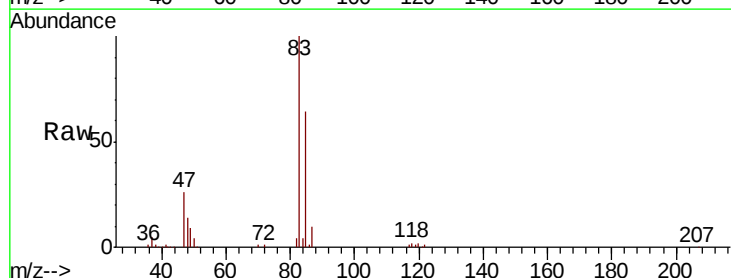
Instrument :
MSVOA_N
ClientSampled :

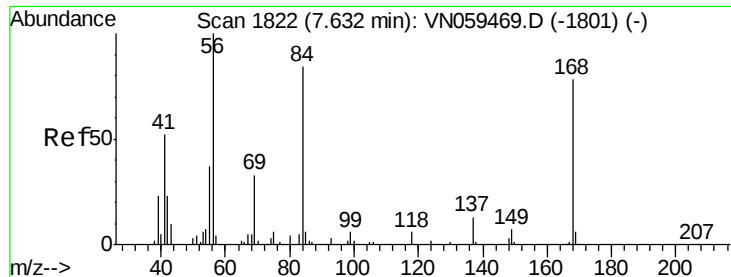
Tot Ion: 42 Resp: 318534
Ion Ratio Lower Upper
42 100
72 40.8 34.2 51.2
71 39.4 32.0 48.0



#30
Chloroform
Concen: 47.148 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 83 Resp: 247109
Ion Ratio Lower Upper
83 100
85 63.5 52.4 78.6

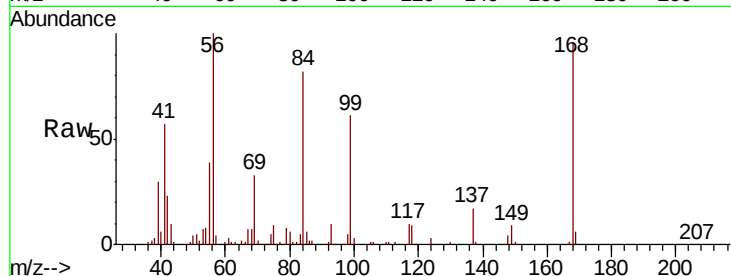




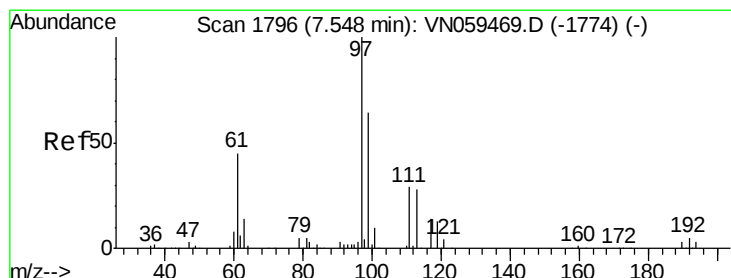
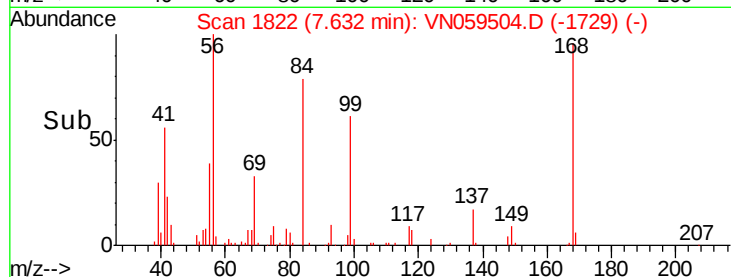
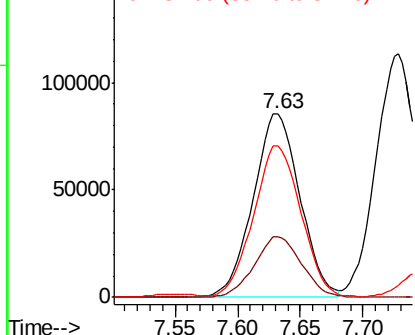
#31
Cyclohexane
Concen: 42.283 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 222390
Ion Ratio Lower Upper
56 100
69 33.2 26.2 39.4
84 80.9 66.8 100.2

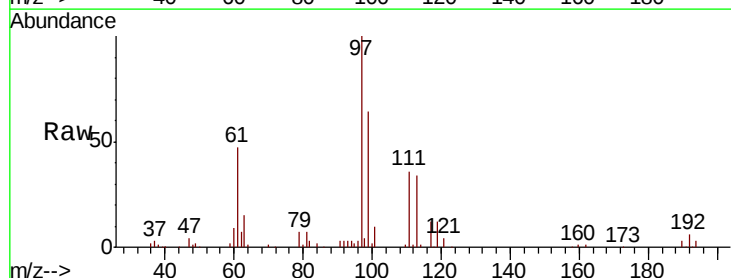


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

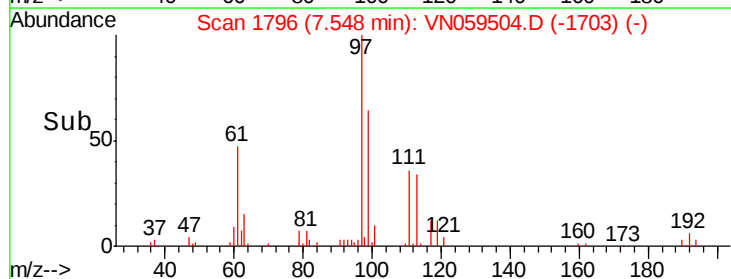
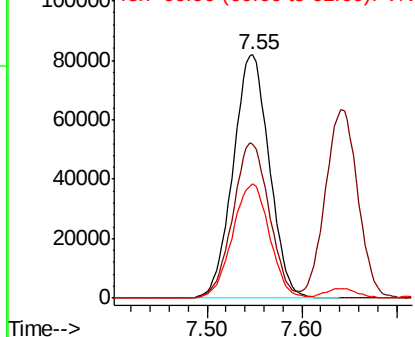


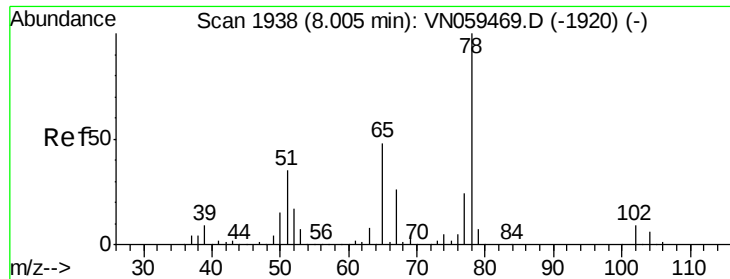
#32
1,1,1-Trichloroethane
Concen: 47.813 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 97 Resp: 217803
Ion Ratio Lower Upper
97 100
99 64.1 51.7 77.5
61 48.2 35.4 53.0



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

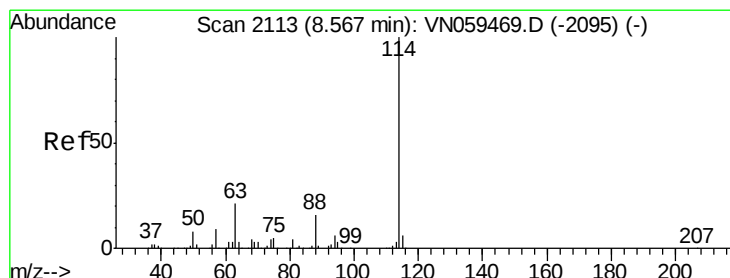
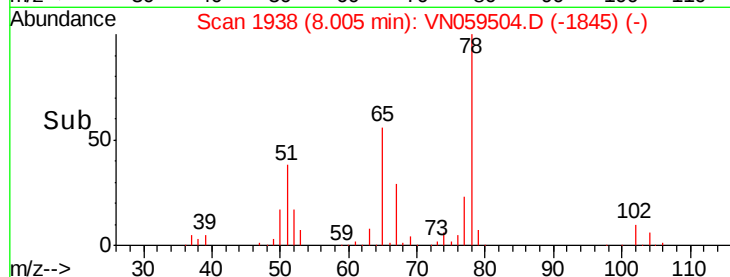
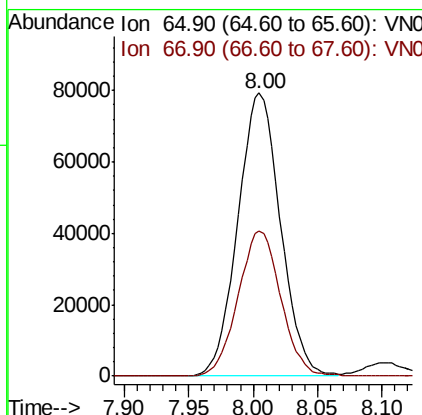
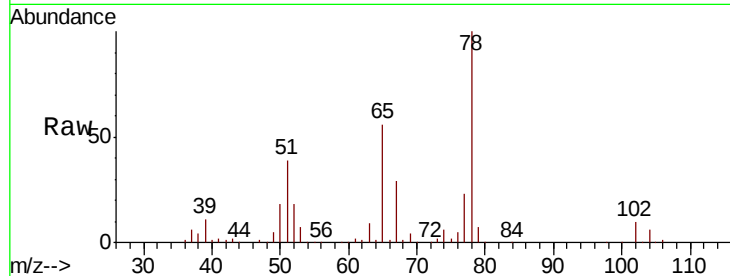




#33
 1,2-Dichloroethane-d4
 Concen: 58.488 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

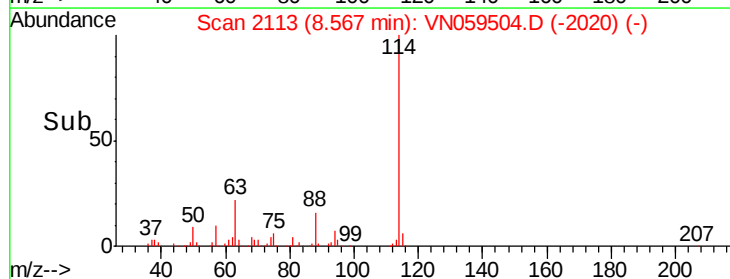
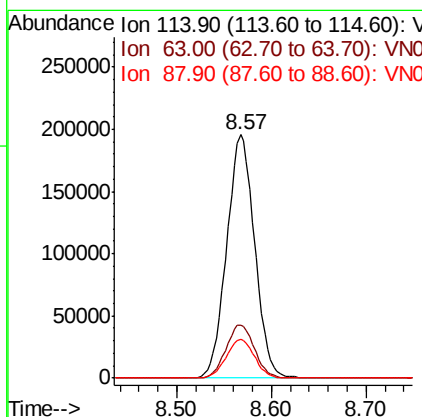
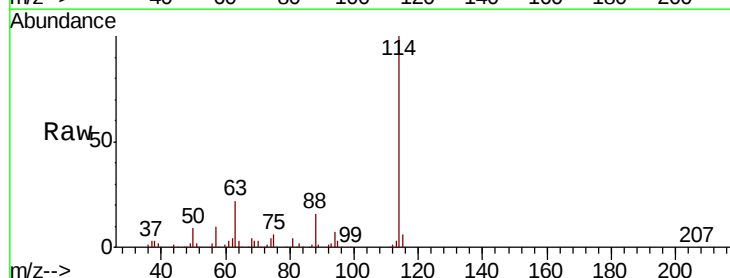
Instrument :
 MSVOA_N
 ClientSampled :

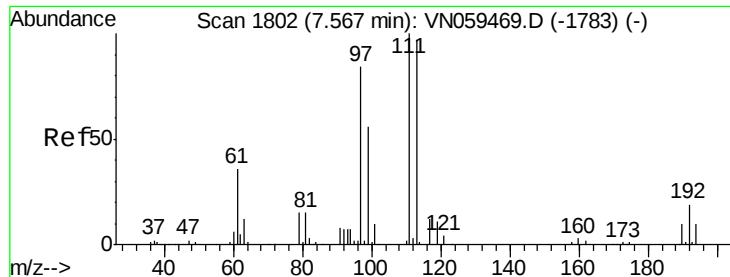
Tot Ion: 65 Resp: 182592
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion: 114 Resp: 401045
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.4
 88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.160 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :

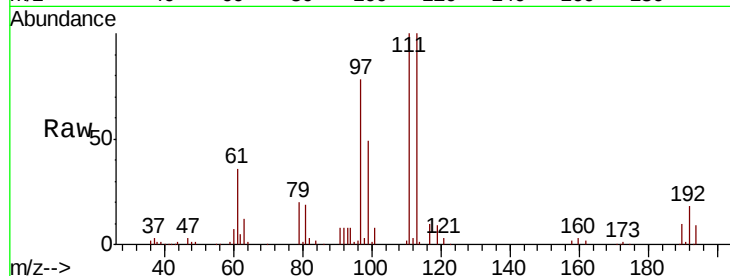
Tot Ion:113 Resp: 132783

Ion Ratio Lower Upper

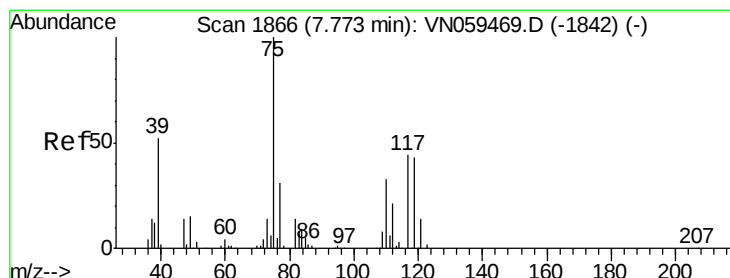
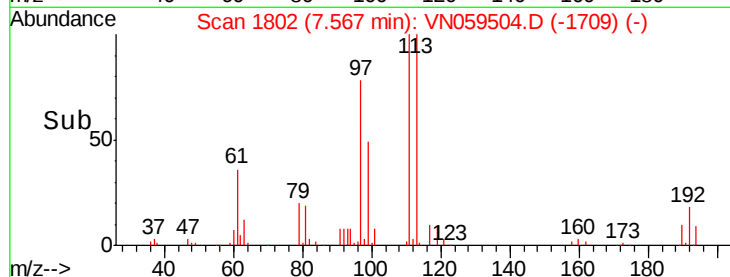
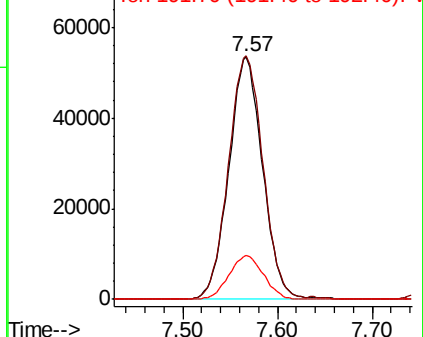
113 100

111 102.5 82.5 123.7

192 18.5 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.039 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

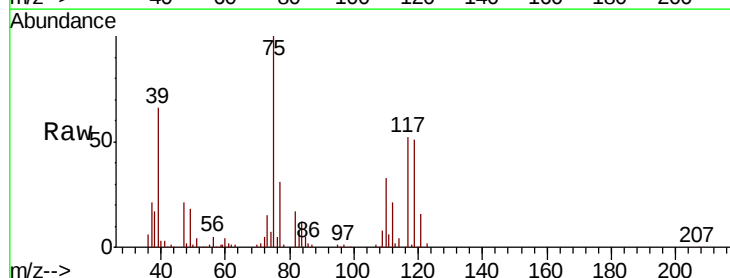
Tgt Ion: 75 Resp: 187963

Ion Ratio Lower Upper

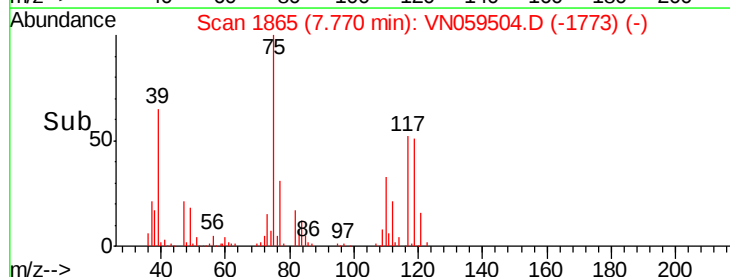
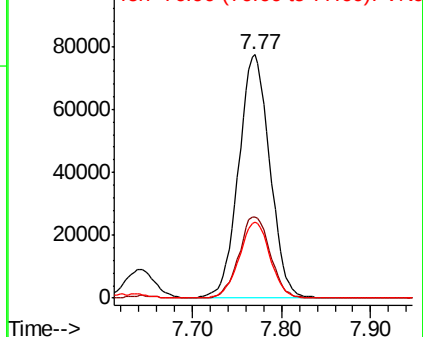
75 100

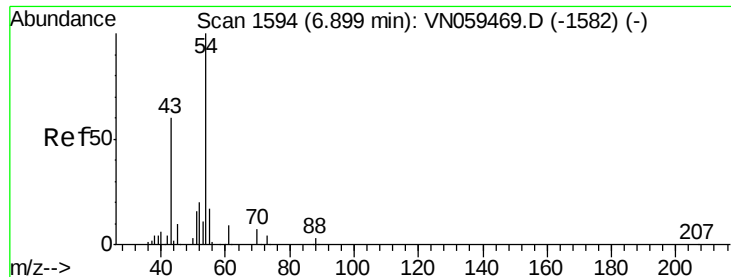
110 33.5 16.9 50.7

77 31.0 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

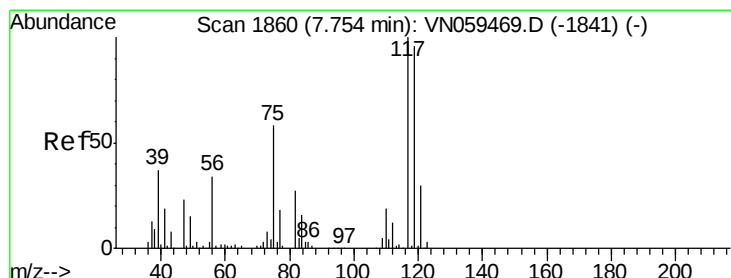
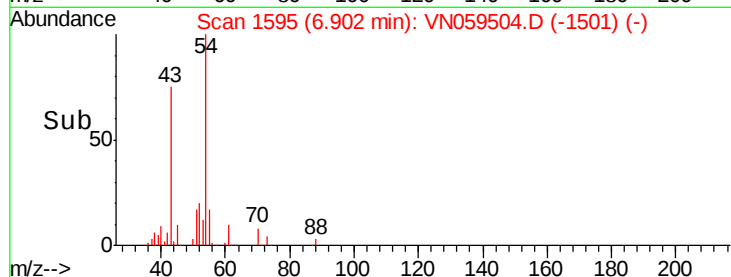
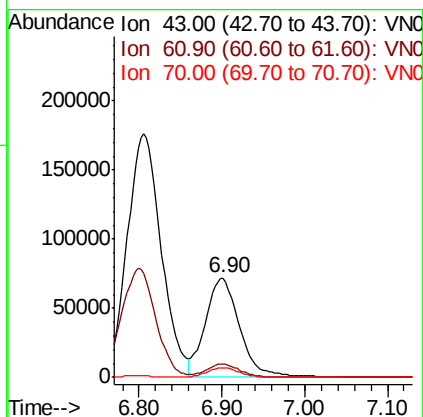
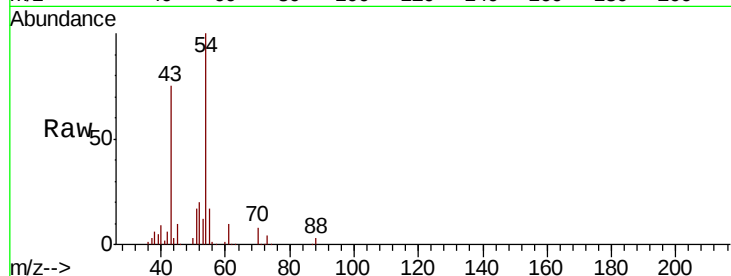




#37
Ethyl Acetate
Concen: 43.845 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

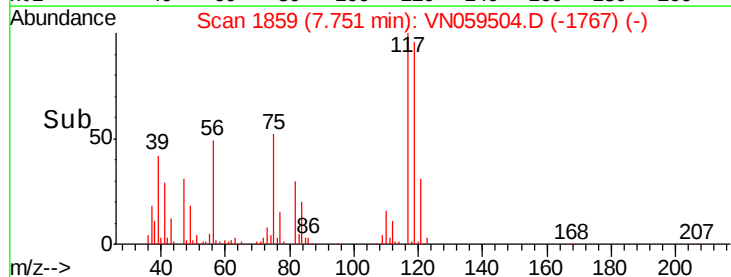
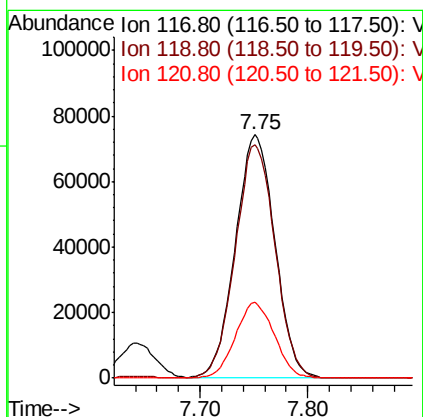
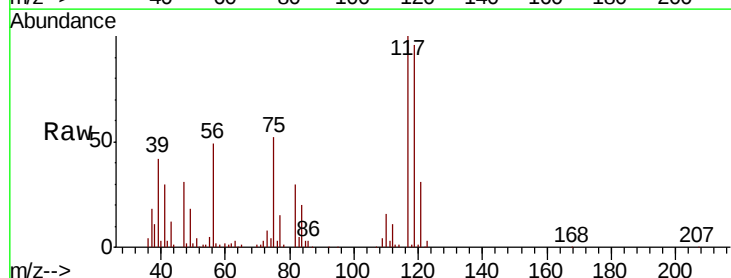
Instrument :
MSVOA_N
ClientSampled :

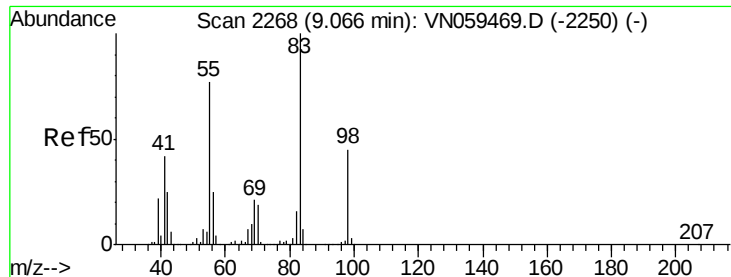
Tot Ion: 43 Resp: 204391
Ion Ratio Lower Upper
43 100
61 13.7 11.3 16.9
70 9.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 47.285 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 117 Resp: 189802
Ion Ratio Lower Upper
117 100
119 96.0 76.6 114.8
121 31.4 24.0 36.0

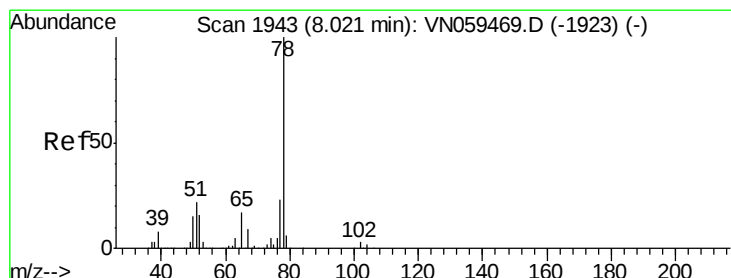
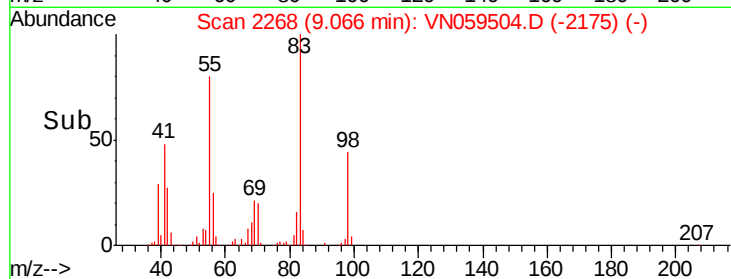
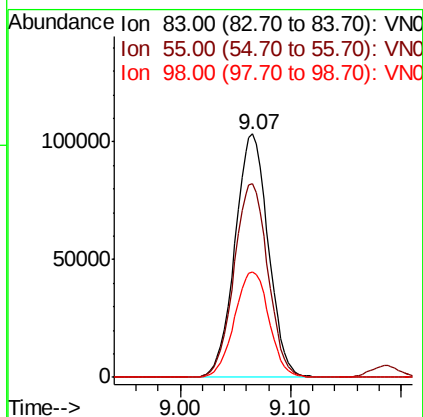
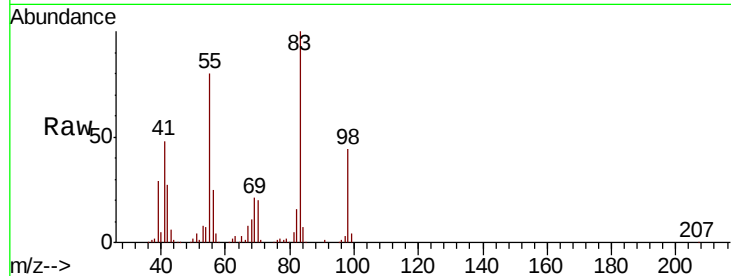




#39
Methvlcvclohexane
Concen: 43.095 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

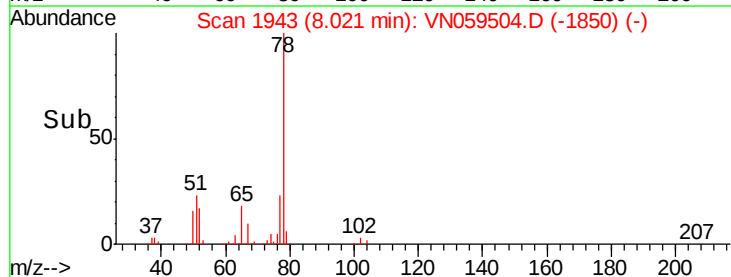
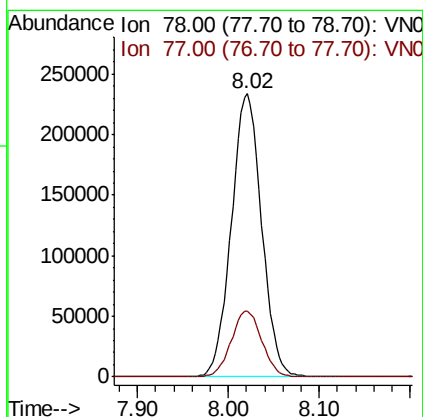
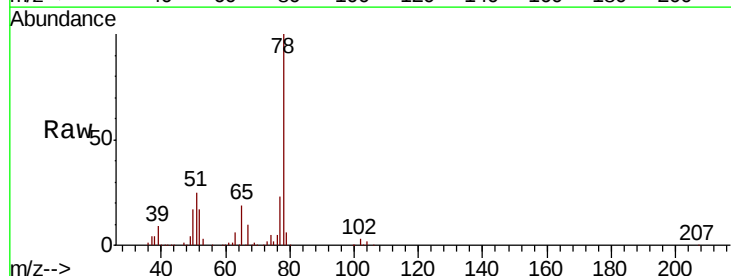
Instrument :
MSVOA_N
ClientSampleId :

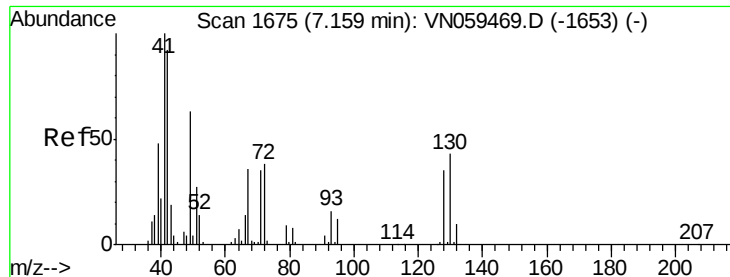
Tot Ion: 83 Resp: 216439
Ion Ratio Lower Upper
83 100
55 79.5 61.8 92.6
98 43.5 36.2 54.2



#40
Benzene
Concen: 44.286 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 78 Resp: 541219
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.2

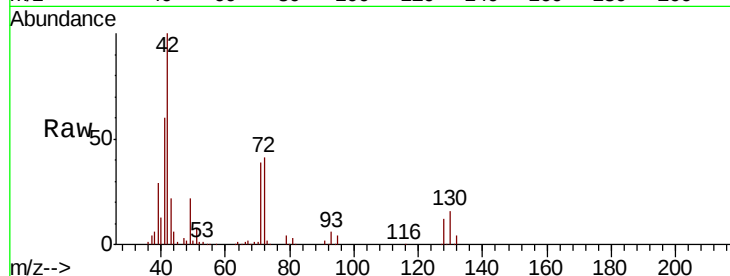




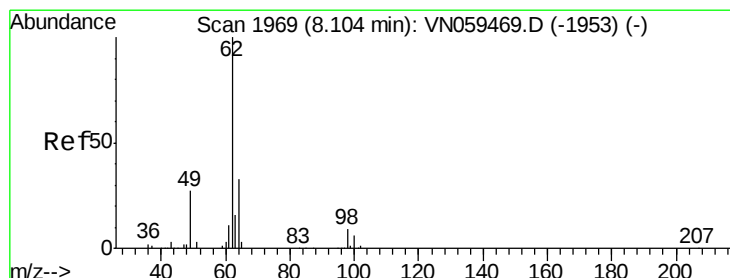
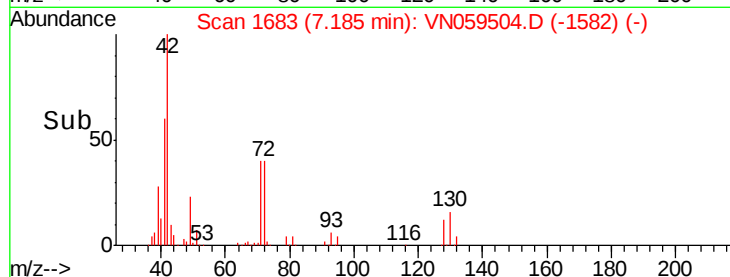
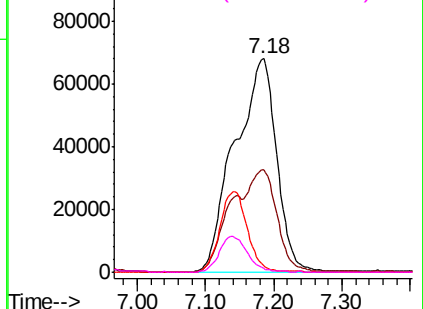
#41
Methacrylonitrile
Concen: 153.604 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	290206
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

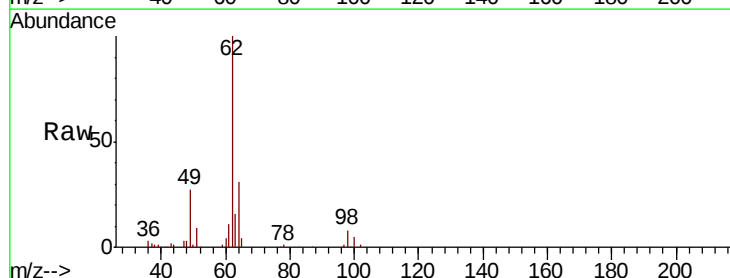


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

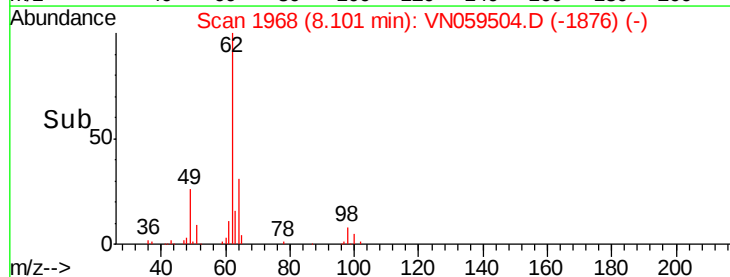
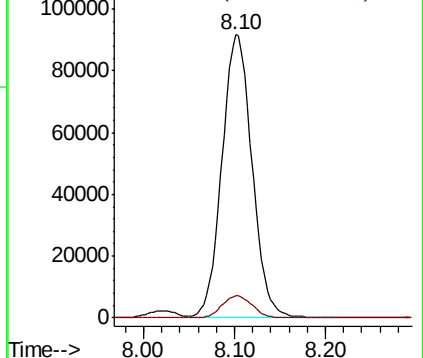


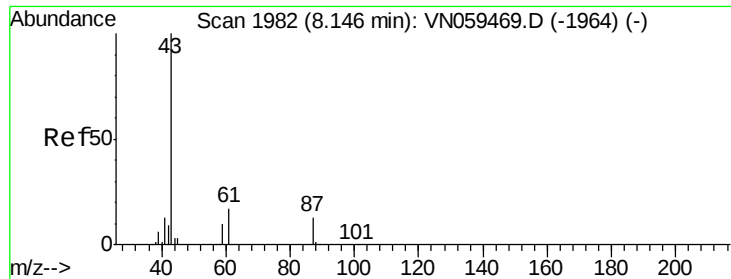
#42
1,2-Dichloroethane
Concen: 50.905 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion:	62	Resp:	211326
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



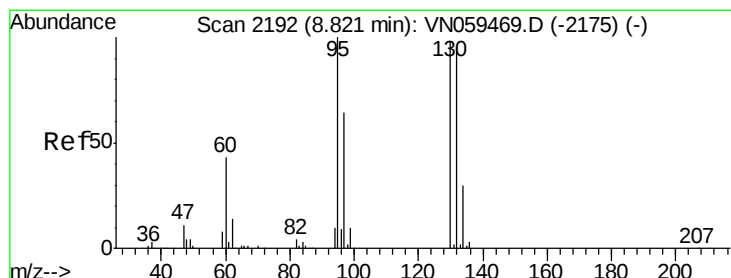
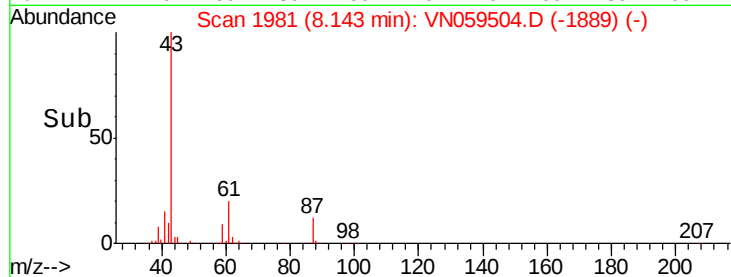
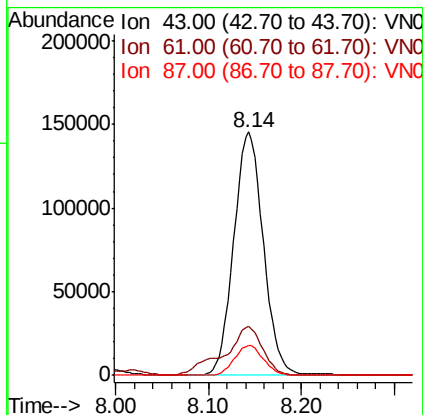
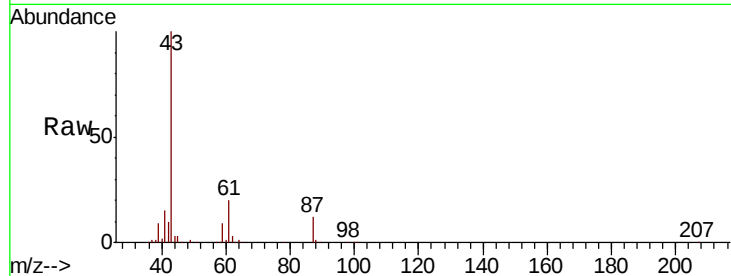


#43

Isopropyl Acetate
 Concen: 46.249 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :

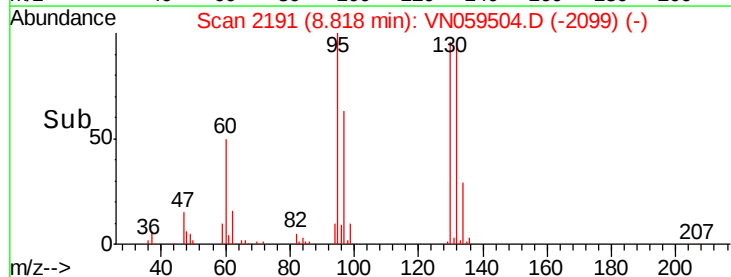
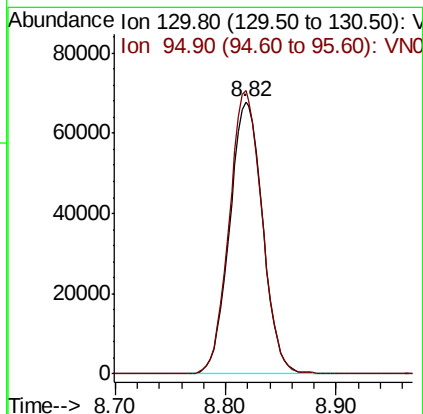
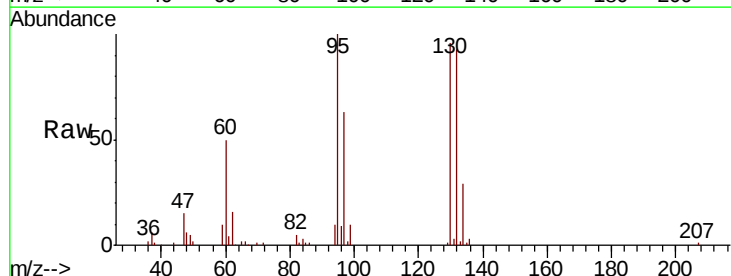
Tot Ion	43	Resp	320667
Ion Ratio	Lower	Upper	
43	100		
61	26.2	21.0	31.6
87	12.0	10.4	15.6

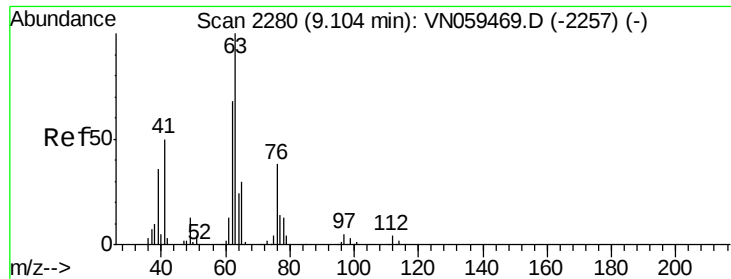


#44

Trichloroethene
 Concen: 44.194 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion	130	Resp	141143
Ion Ratio	Lower	Upper	
130	100		
95	103.9	0.0	203.6





#45

1,2-Dichloropropane

Concen: 45.580 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

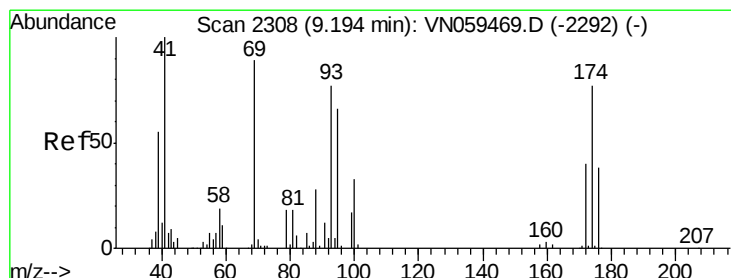
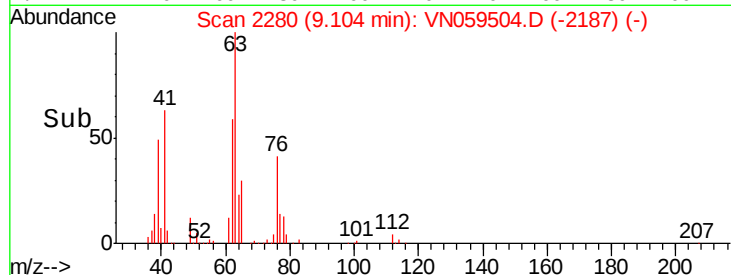
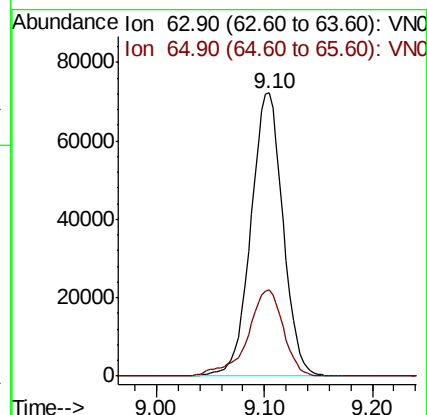
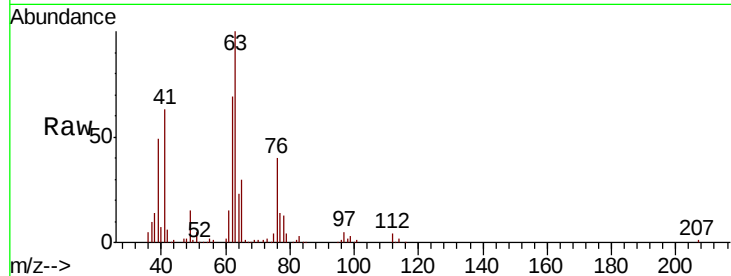
ClientSampled :

Tot Ion: 63 Resp: 148820

Ion Ratio Lower Upper

63 100

65 30.3 24.4 36.6



#46

Dibromomethane

Concen: 46.958 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

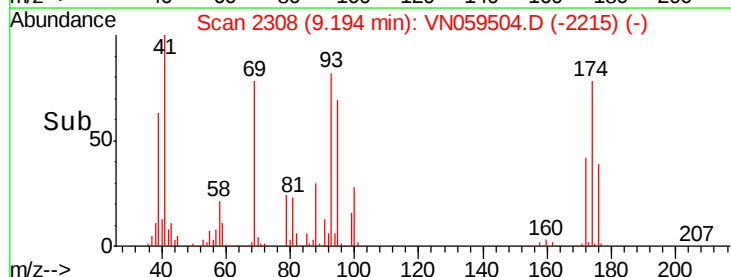
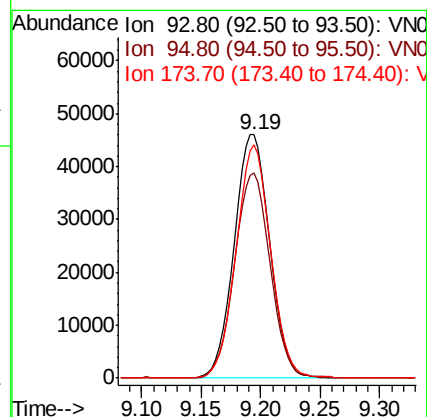
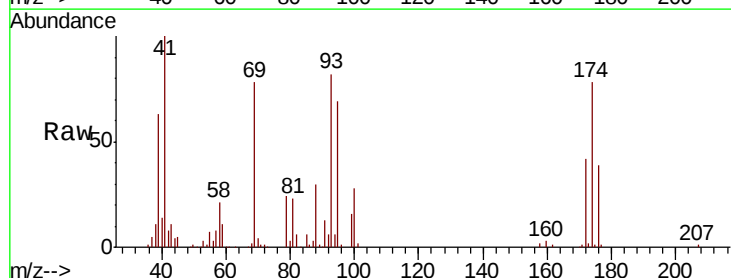
Tgt Ion: 93 Resp: 95456

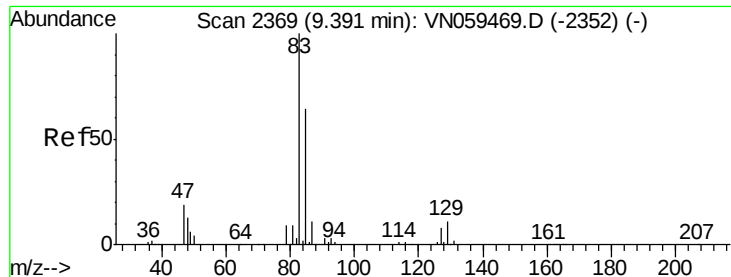
Ion Ratio Lower Upper

93 100

95 84.2 67.0 100.6

174 93.1 79.6 119.4

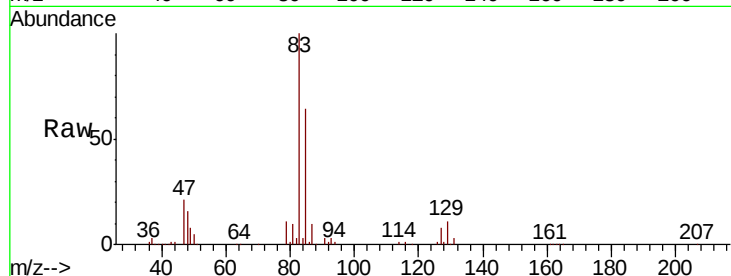




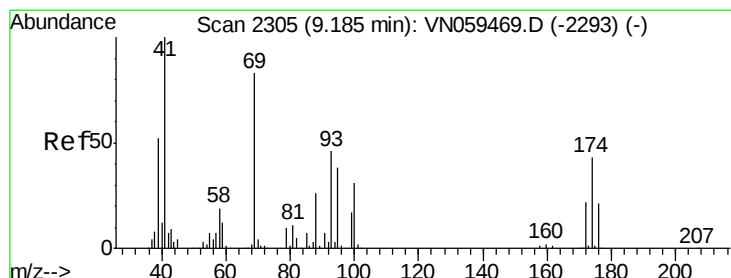
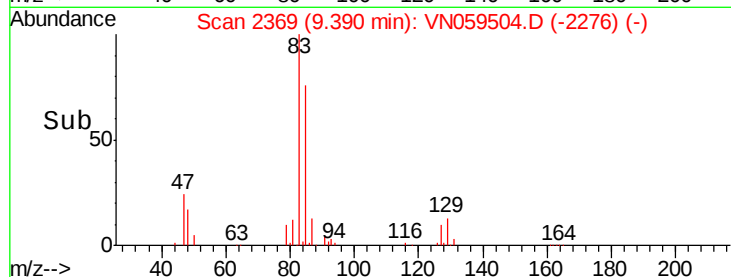
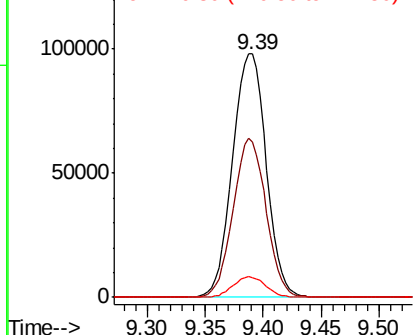
#47
Bromodichloromethane
Concen: 48.416 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 197341
Ion Ratio Lower Upper
83 100
85 63.5 51.0 76.6
127 8.3 6.6 9.8

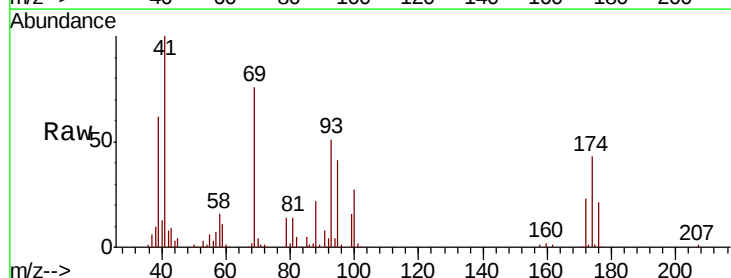


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

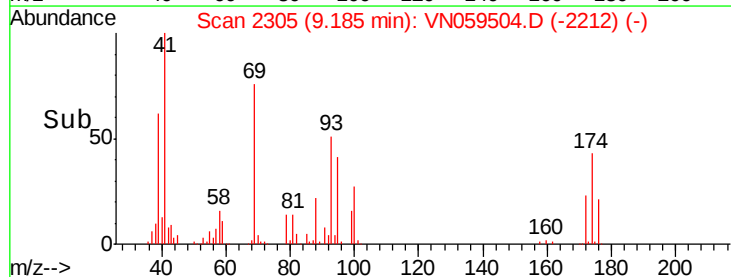
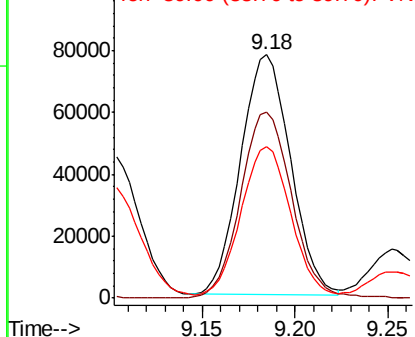


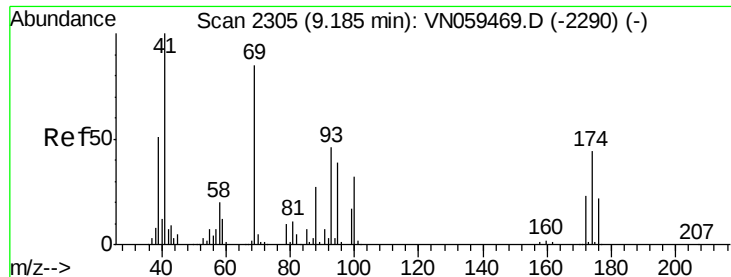
#48
Methyl methacrylate
Concen: 46.751 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 41 Resp: 146241
Ion Ratio Lower Upper
41 100
69 79.2 68.6 103.0
39 62.9 43.2 64.8



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

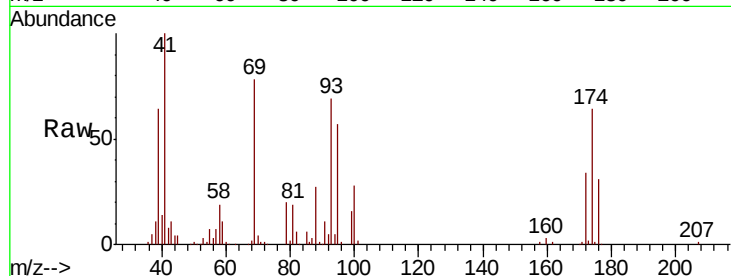




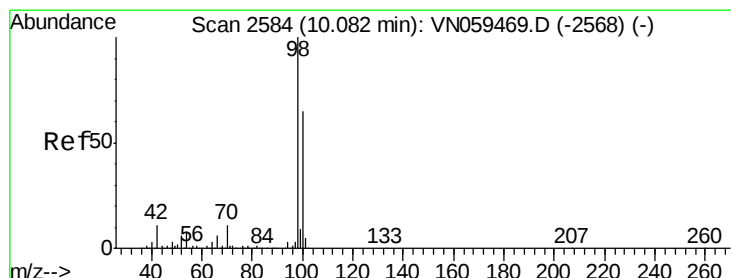
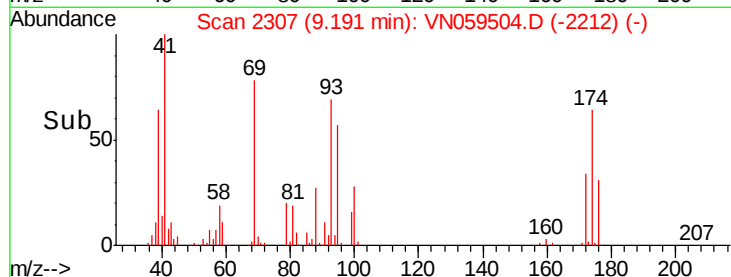
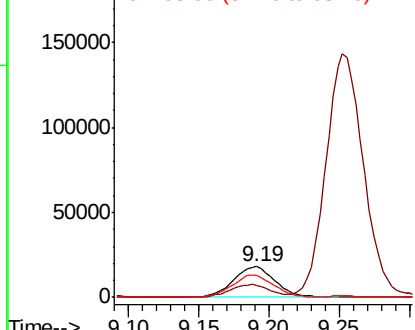
#49
1,4-Dioxane
Concen: 798.327 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 37787
Ion Ratio Lower Upper
88 100
43 39.8 27.1 40.7
58 71.7 57.8 86.6

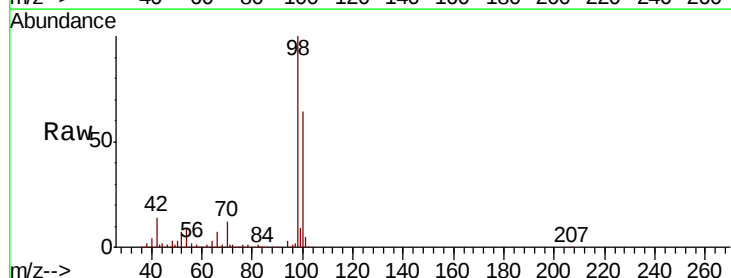


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

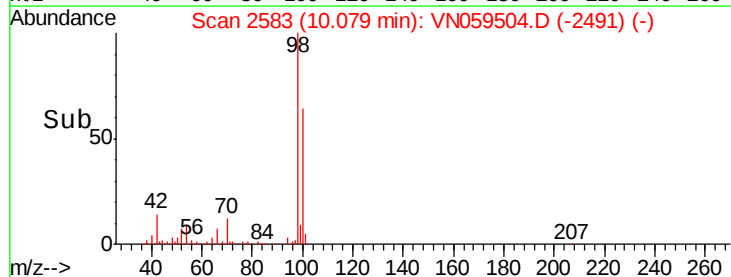
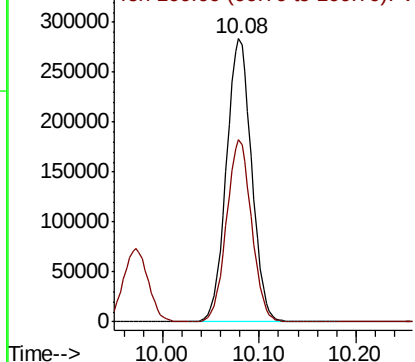


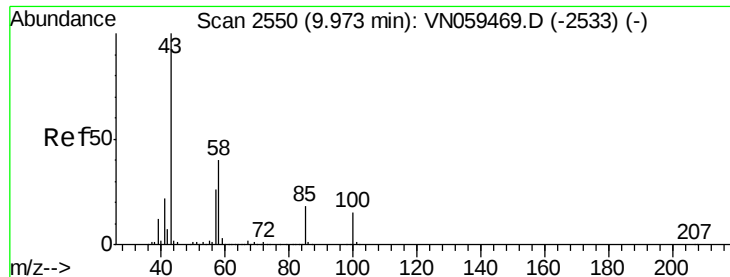
#50
Toluene-d8
Concen: 52.173 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 98 Resp: 513818
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 236.832 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

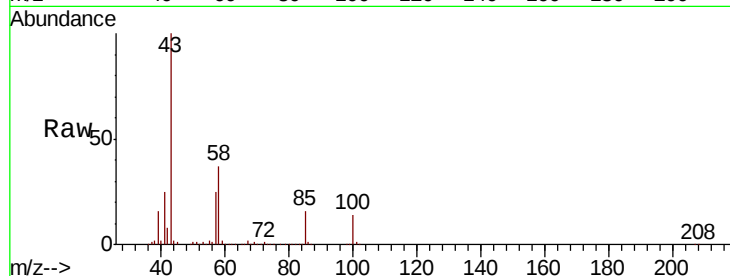
ClientSampled :

Tot Ion: 43 Resp: 974710

Ion Ratio Lower Upper

43 100

58 37.0 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

600000

500000

400000

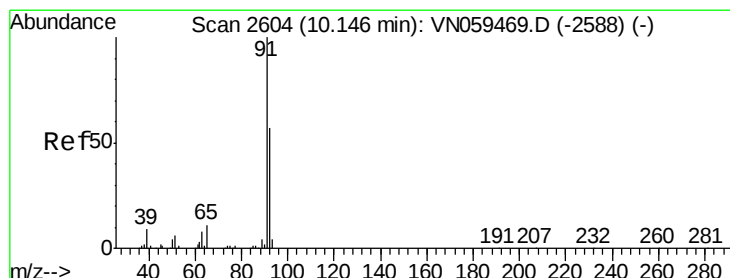
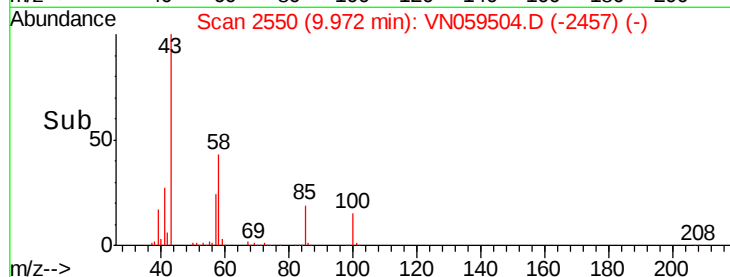
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 45.451 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059504.D

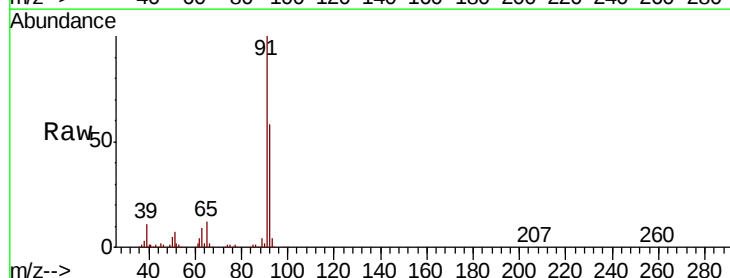
Acq: 6 Dec 2019 10:09

Tgt Ion: 92 Resp: 335943

Ion Ratio Lower Upper

92 100

91 171.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

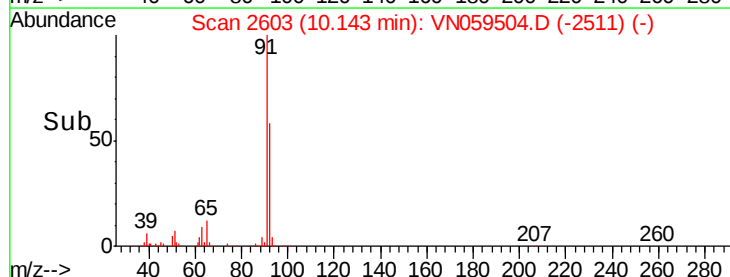
300000

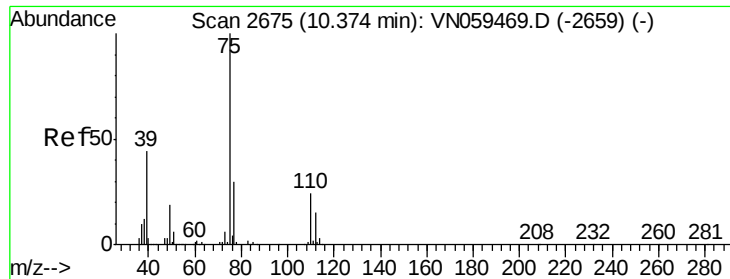
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.227 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

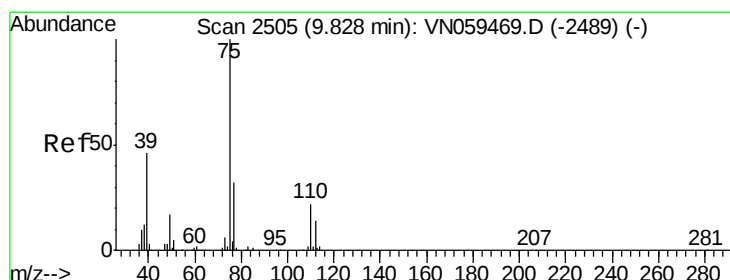
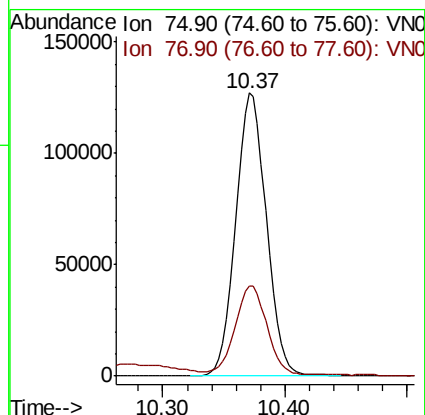
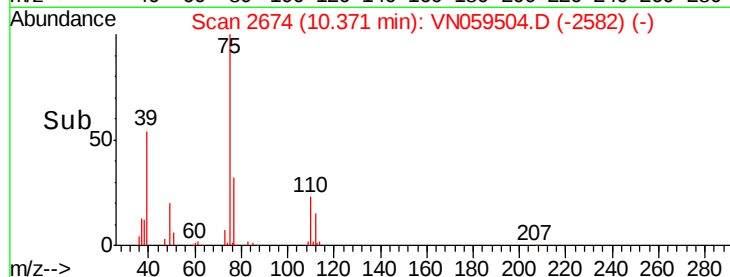
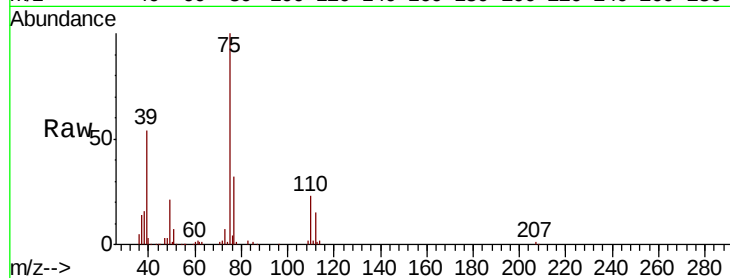
ClientSampleId :

Tot Ion: 75 Resp: 221711

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 45.836 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

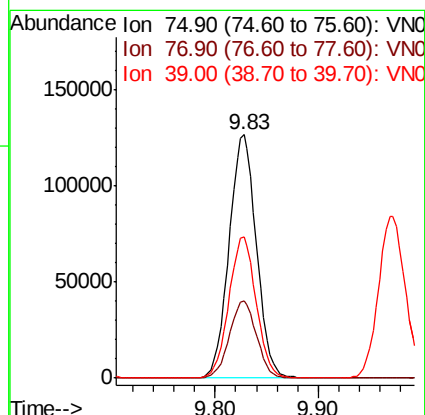
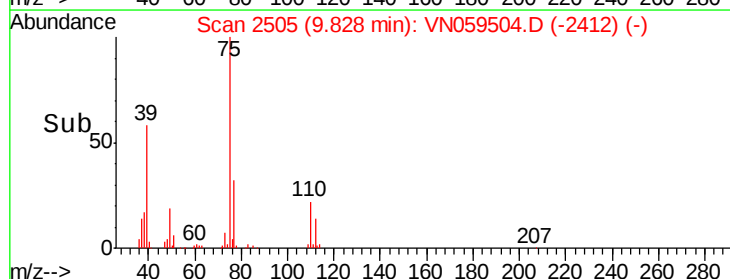
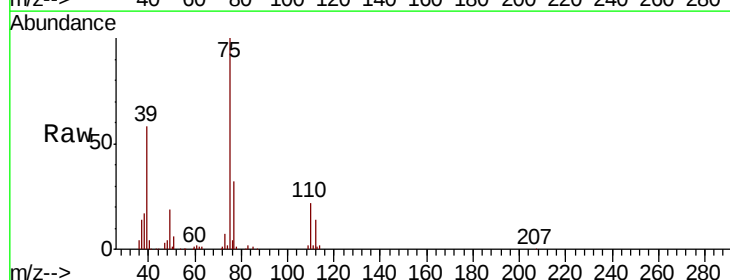
Tgt Ion: 75 Resp: 233012

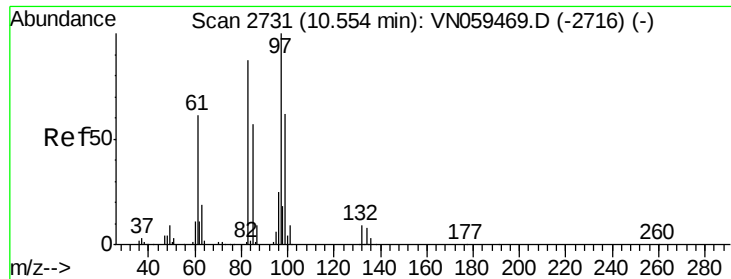
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 58.0 36.6 54.8#

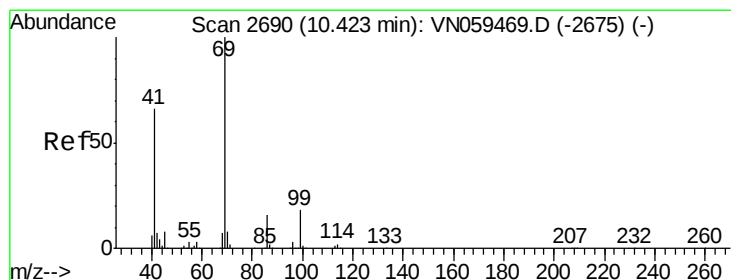
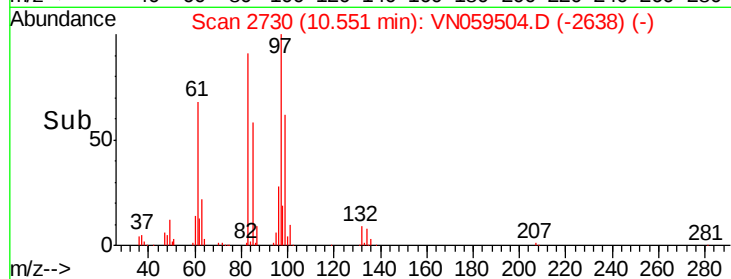
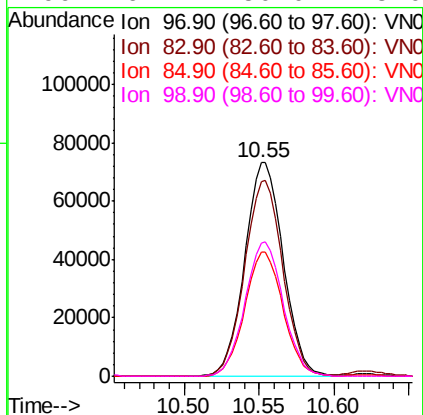
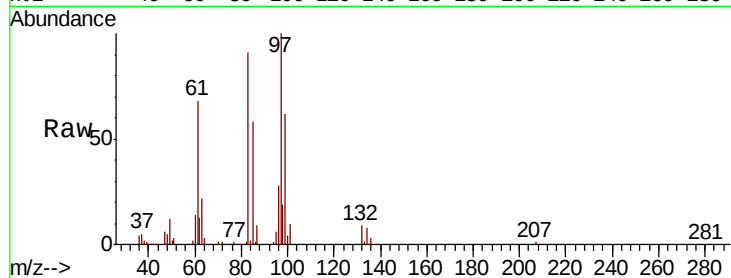




#55
 1,1,2-Trichloroethane
 Concen: 45.065 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

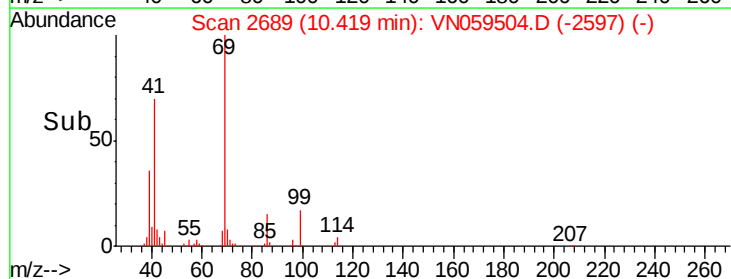
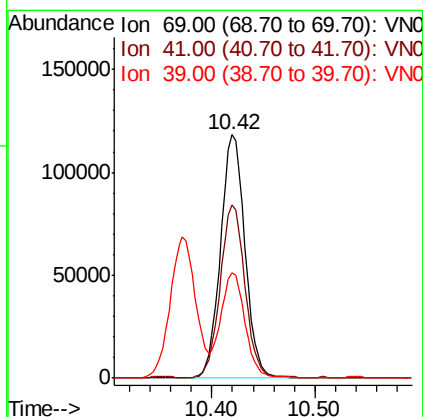
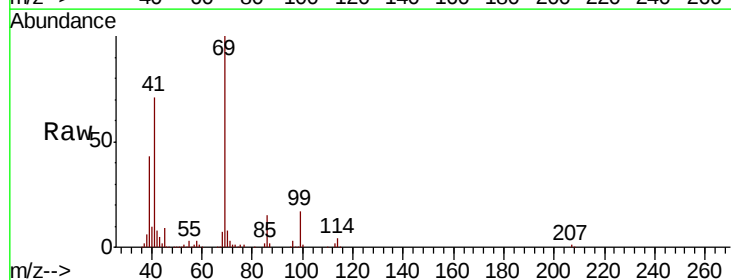
Instrument :
 MSVOA_N
 ClientSampled :

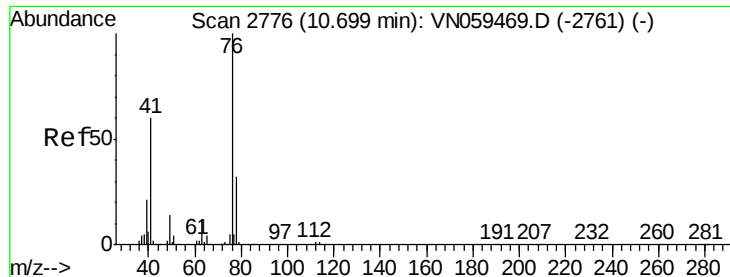
Tot Ion:	97	Resp:	131307
Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.8	104.8
85	58.0	45.5	68.3
99	62.4	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 41.655 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion:	69	Resp:	195314
Ion	Ratio	Lower	Upper
69	100		
41	71.0	52.7	79.1
39	43.1	25.0	37.6#





#57

1,3-Dichloropropane

Concen: 45.562 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

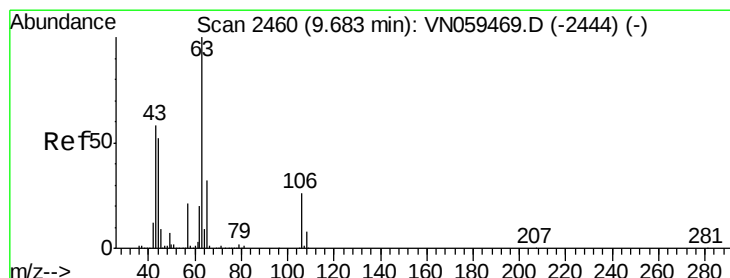
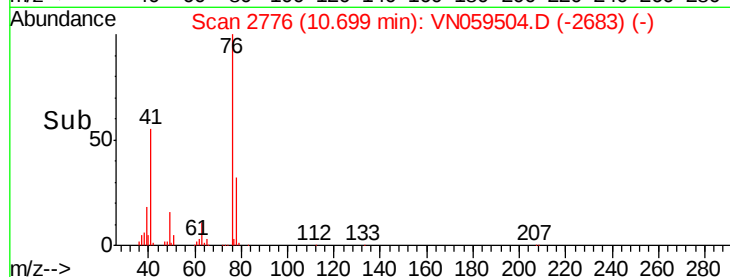
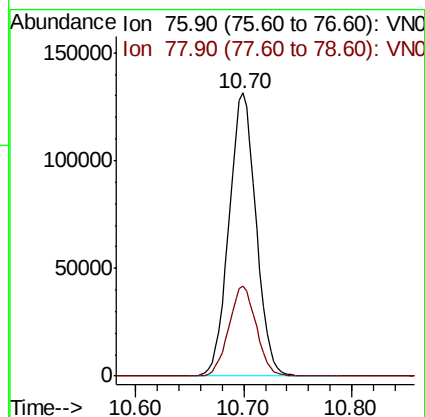
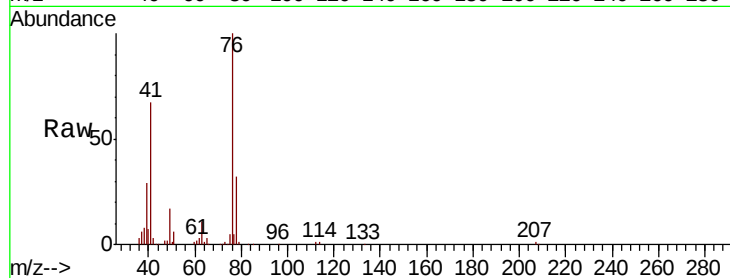
ClientSampleId :

Tot Ion: 76 Resp: 229571

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 150.973 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059504.D

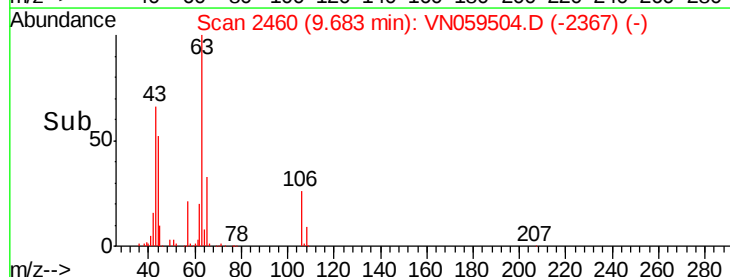
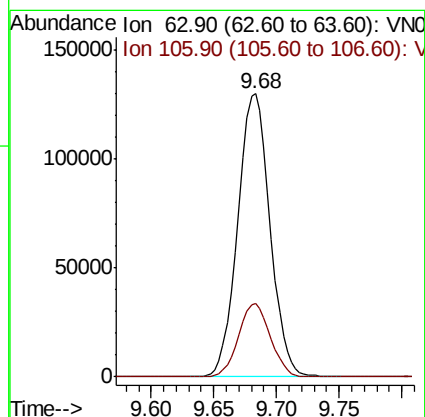
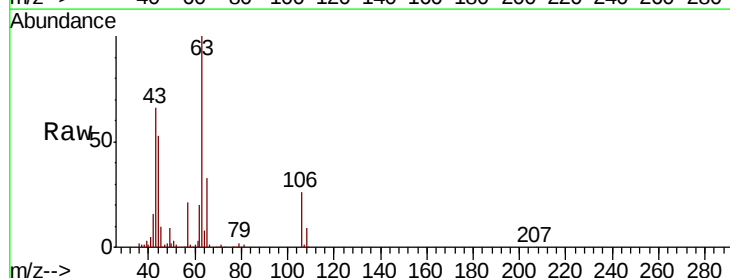
Acq: 6 Dec 2019 10:09

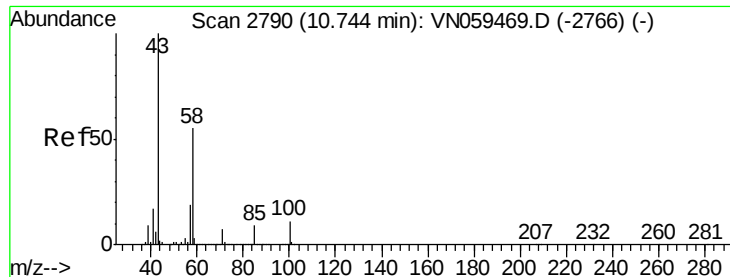
Tgt Ion: 63 Resp: 232133

Ion Ratio Lower Upper

63 100

106 25.7 20.4 30.6

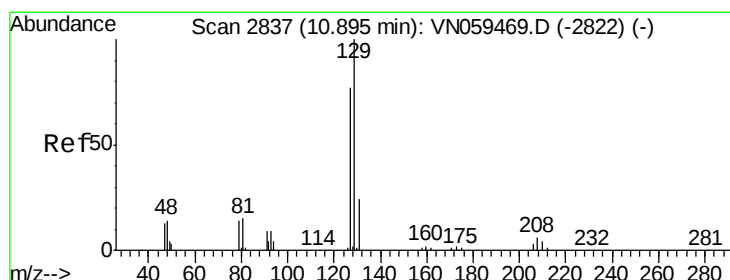
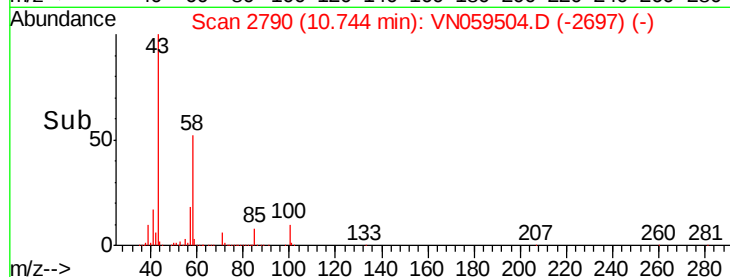
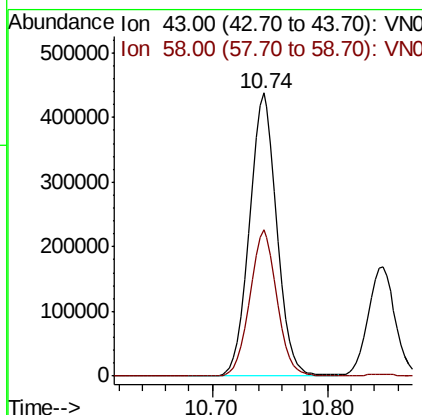
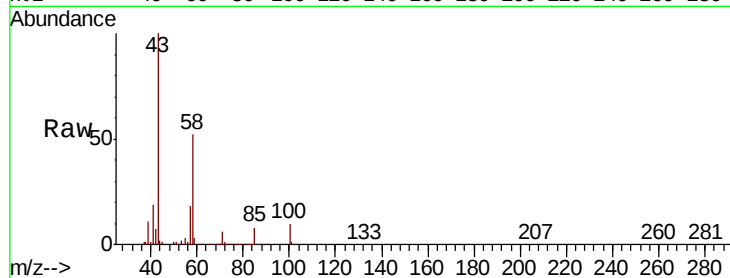




#59
2-Hexanone
Concen: 232.857 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

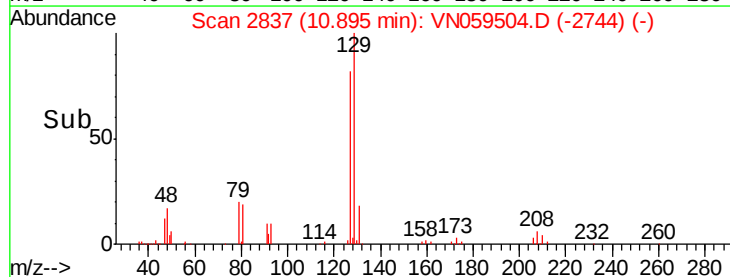
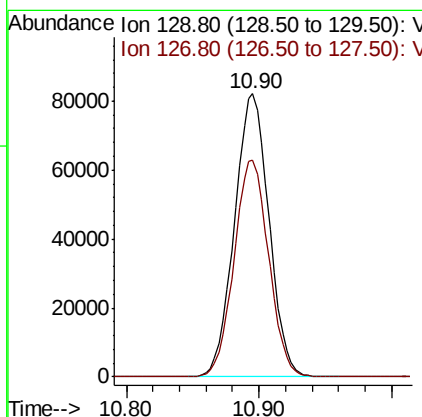
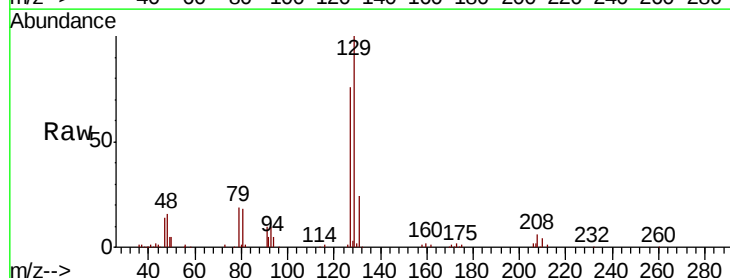
Instrument :
MSVOA_N
ClientSampleId :

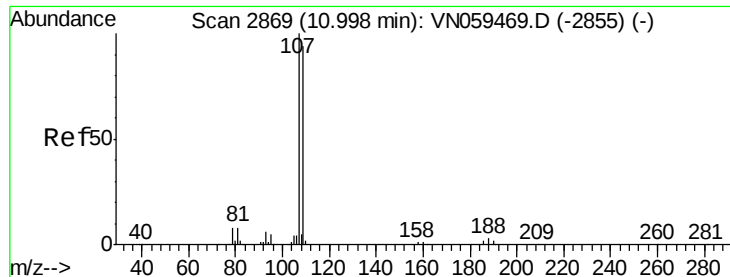
Tot Ion: 43 Resp: 721227
Ion Ratio Lower Upper
43 100
58 51.3 27.7 83.0



#60
Dibromochloromethane
Concen: 47.597 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 129 Resp: 148079
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9

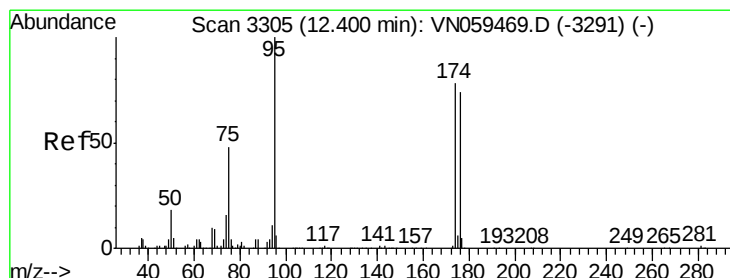
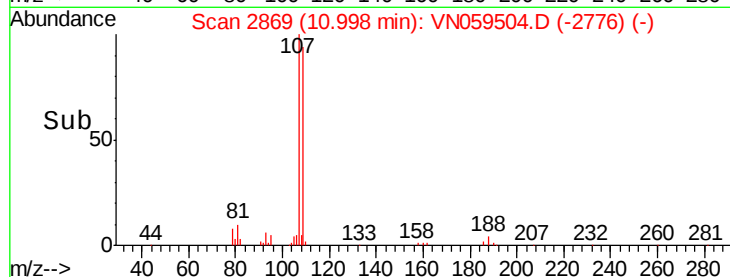
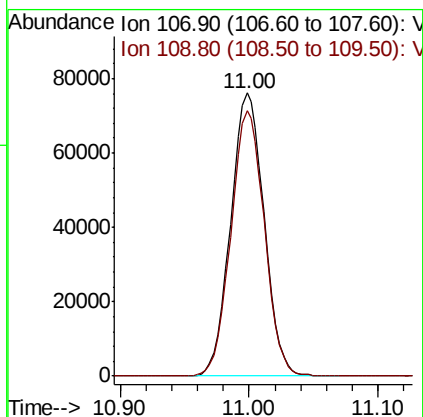
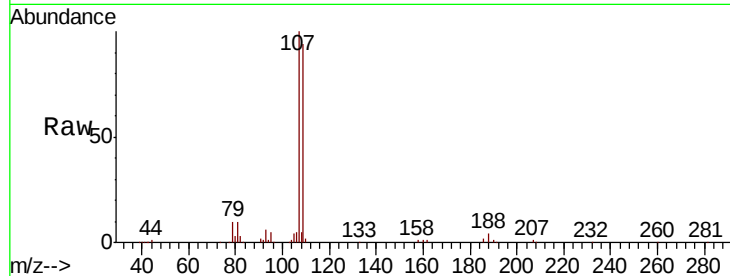




#61
 1,2-Dibromoethane
 Concen: 45.440 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

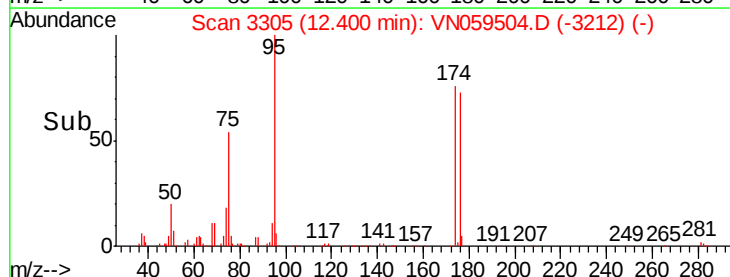
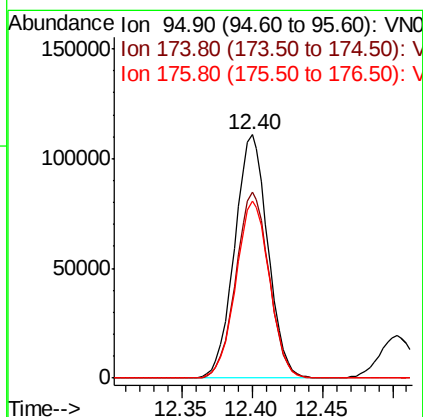
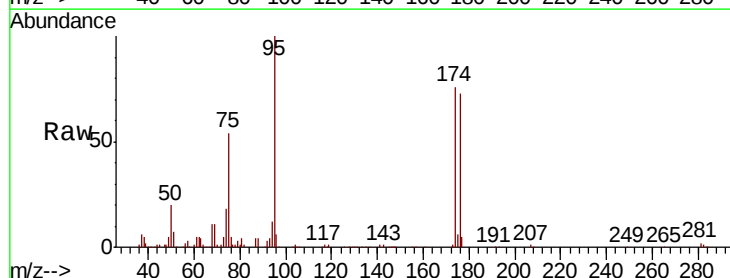
Instrument :
 MSVOA_N
 ClientSampleId :

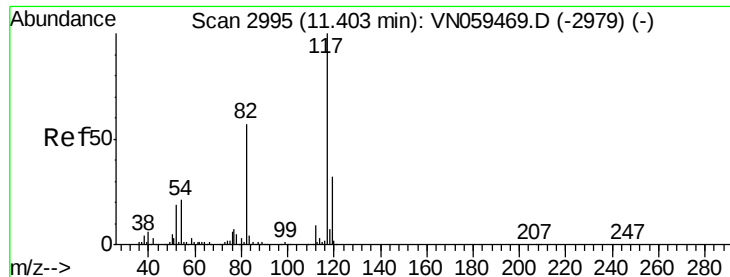
Tot Ion:107 Resp: 136807
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.275 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion: 95 Resp: 183231
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 157.0
 176 73.7 0.0 152.4

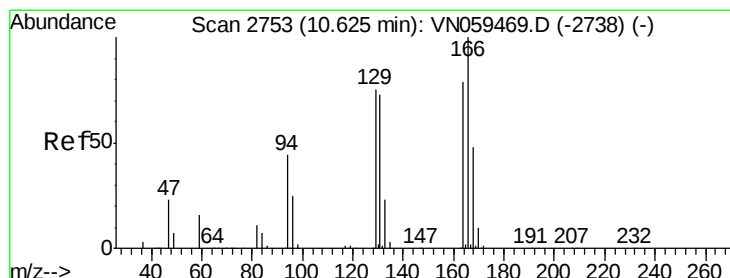
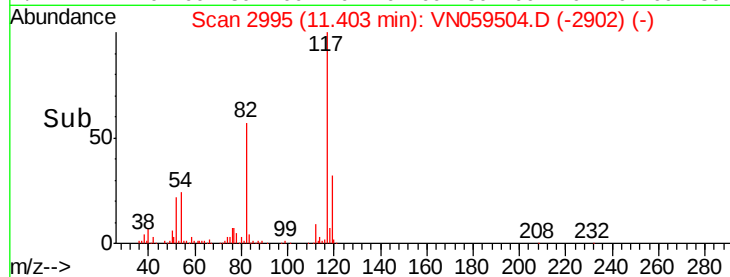
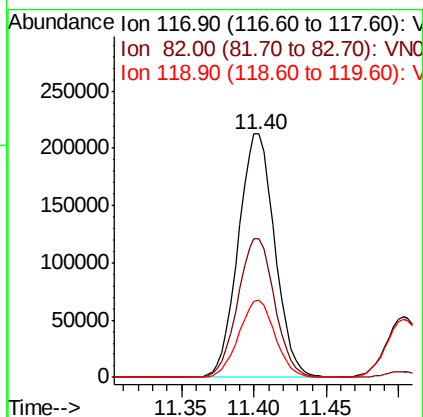
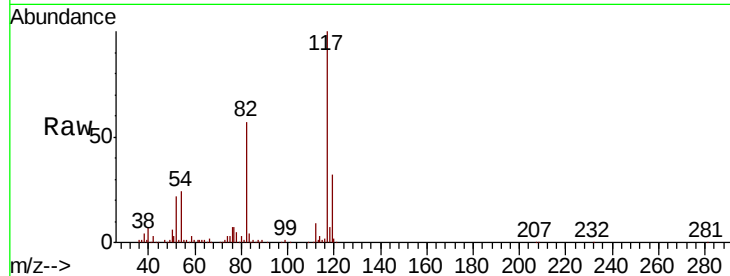




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

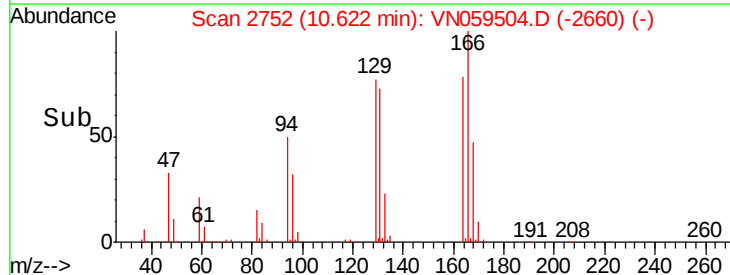
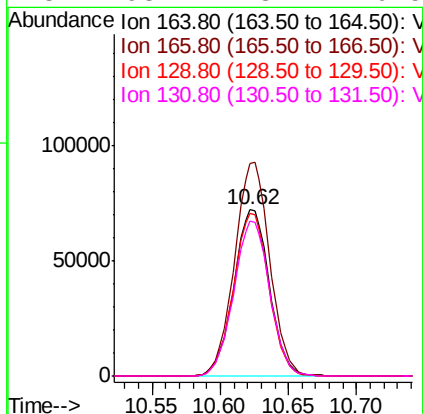
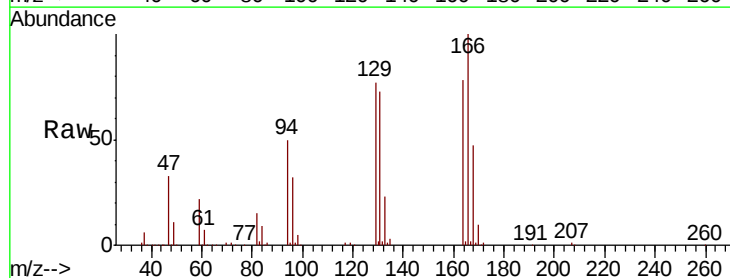
Instrument :
MSVOA_N
ClientSampled :

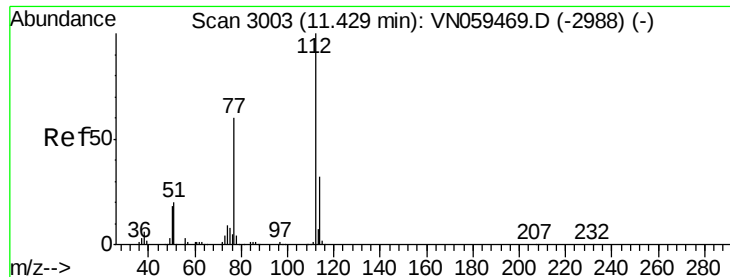
Tot Ion:117 Resp: 372635
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.8
119 31.8 25.4 38.0



#64
Tetrachloroethene
Concen: 41.239 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion:164 Resp: 130715
Ion Ratio Lower Upper
164 100
166 128.1 101.2 151.8
129 98.0 76.1 114.1
131 93.1 73.7 110.5

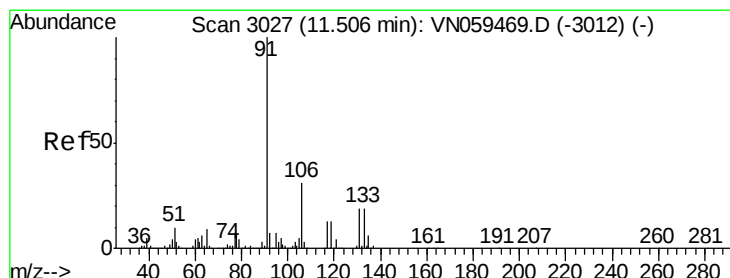
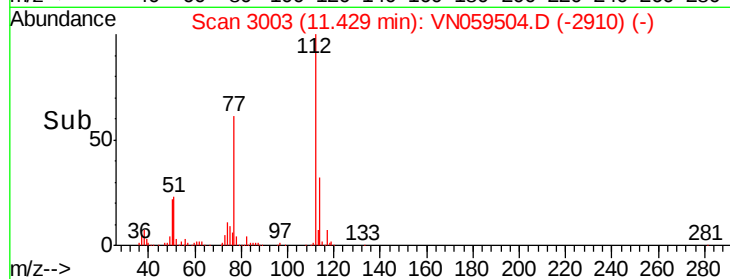
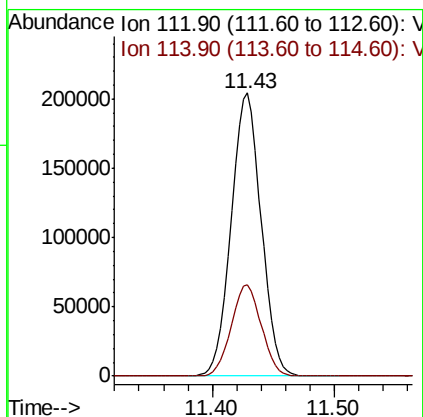
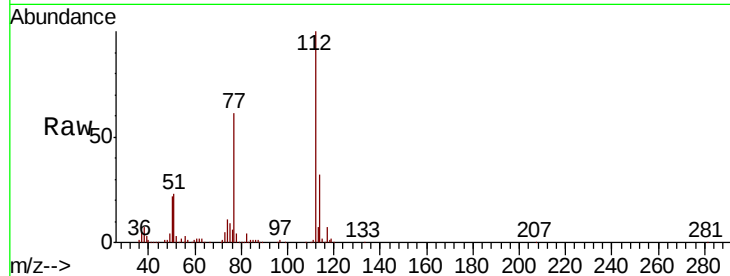




#65
Chlorobenzene
Concen: 42.854 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

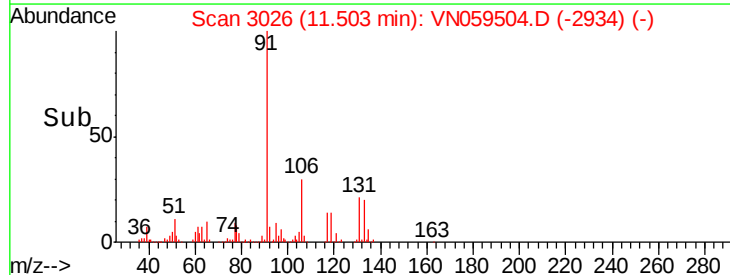
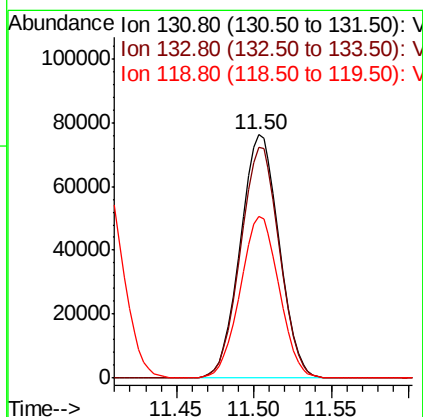
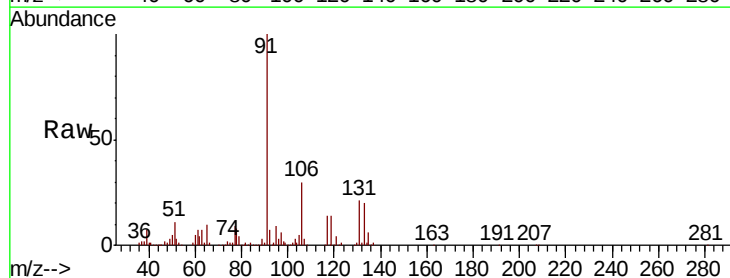
Instrument :
MSVOA_N
ClientSampleId :

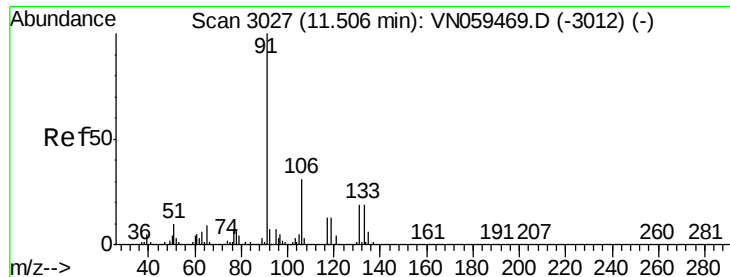
Tot Ion:112 Resp: 349098
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 45.519 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion:131 Resp: 133240
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 66.5 33.9 101.6





#67

Ethyl Benzene

Concen: 44.989 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

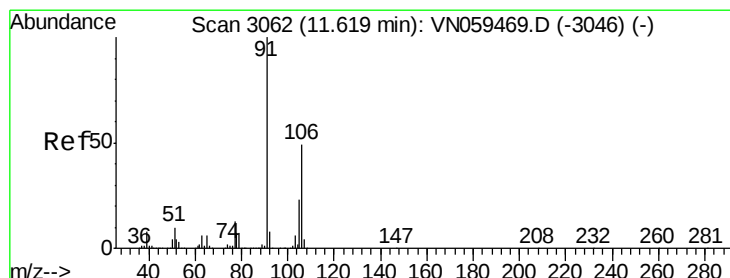
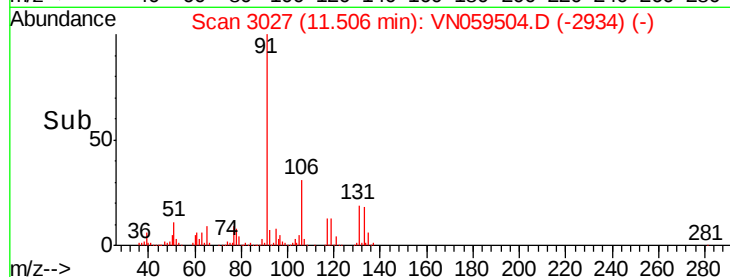
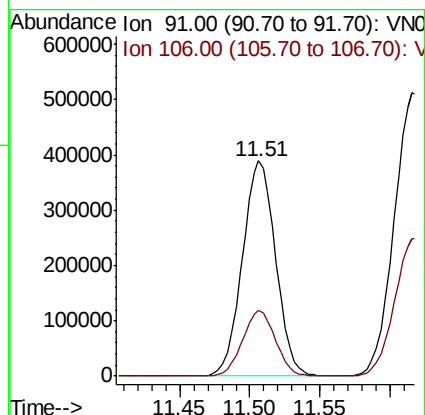
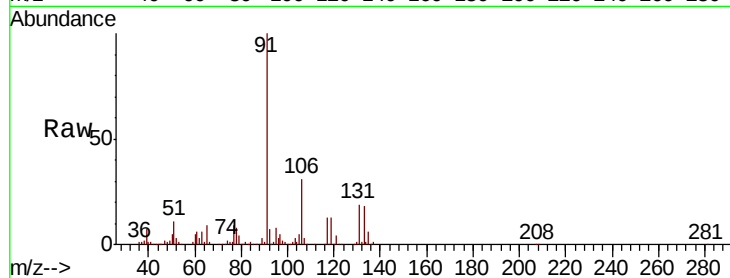
ClientSampled :

Tot Ion: 91 Resp: 642115

Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1



#68

m/p-Xylenes

Concen: 89.607 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059504.D

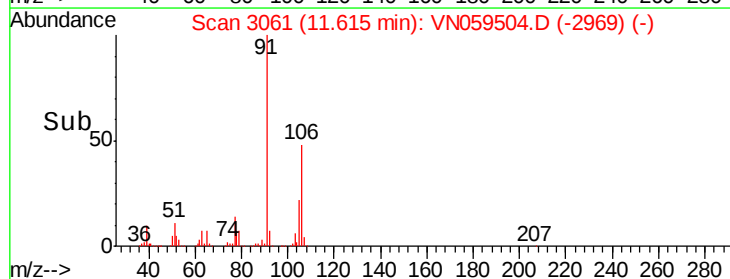
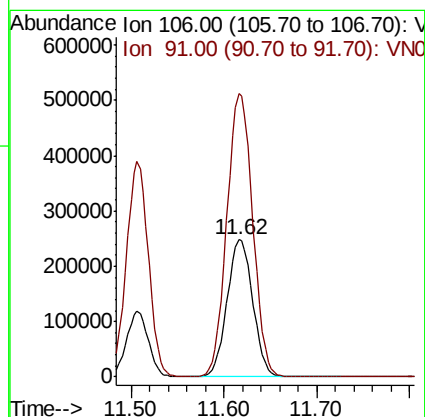
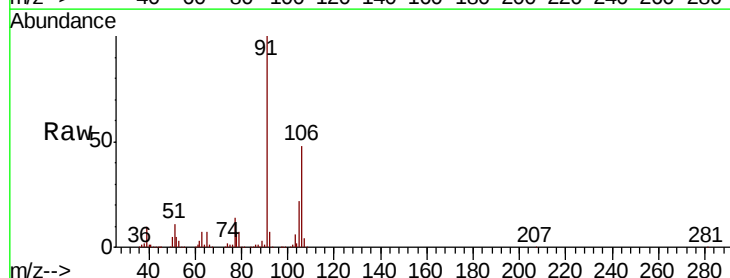
Acq: 6 Dec 2019 10:09

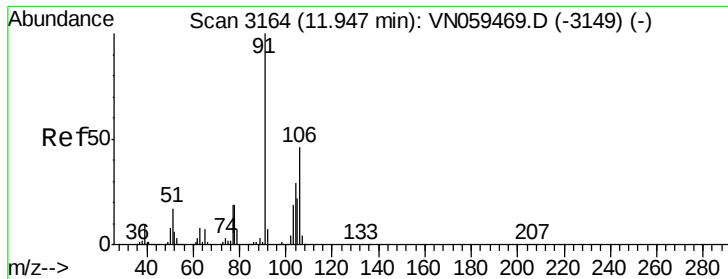
Tgt Ion: 106 Resp: 476210

Ion Ratio Lower Upper

106 100

91 208.0 162.2 243.4

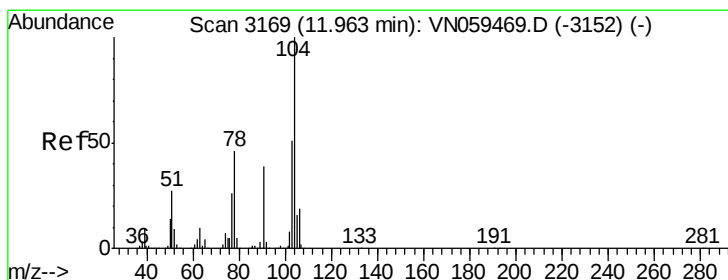
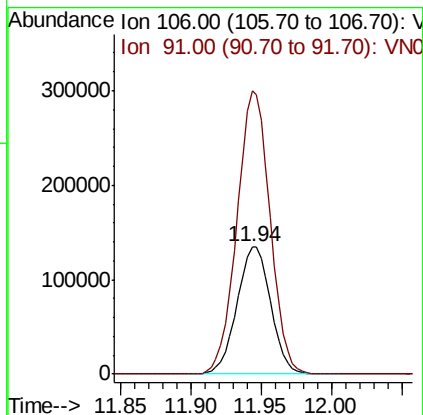
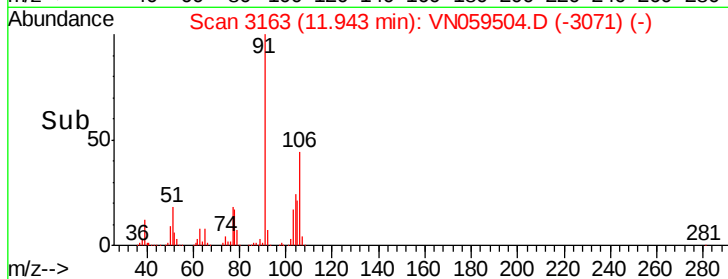
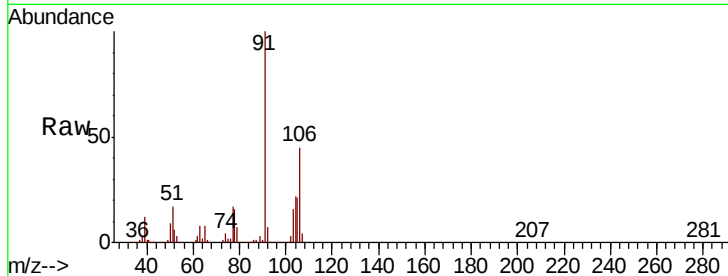




#69
o-Xylene
Concen: 44.566 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

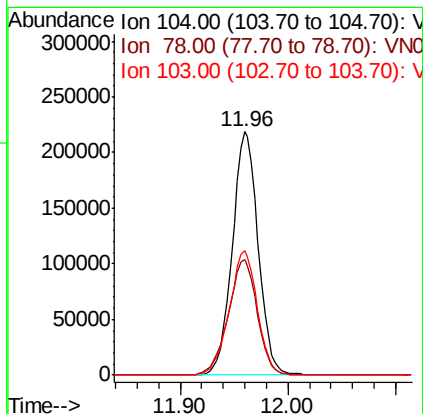
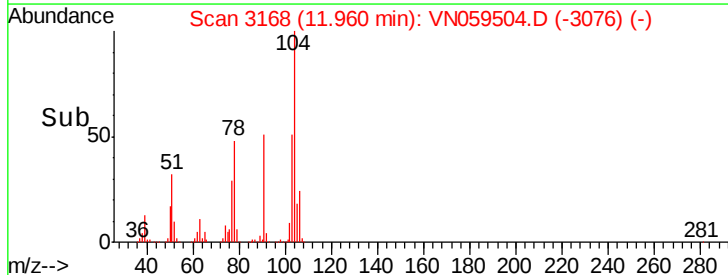
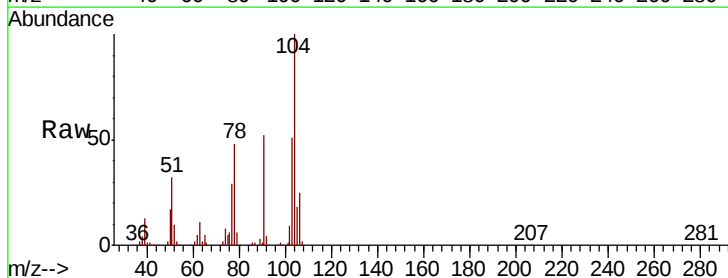
Instrument :
MSVOA_N
ClientSampleId :

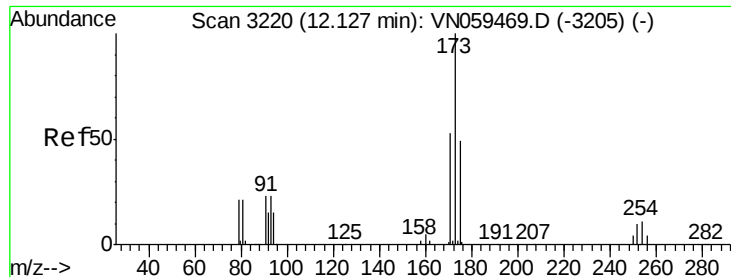
Tot Ion:106 Resp: 225483
Ion Ratio Lower Upper
106 100
91 218.7 108.5 325.3



#70
Styrene
Concen: 45.253 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion:104 Resp: 365504
Ion Ratio Lower Upper
104 100
78 53.3 41.0 61.4
103 55.4 44.7 67.1

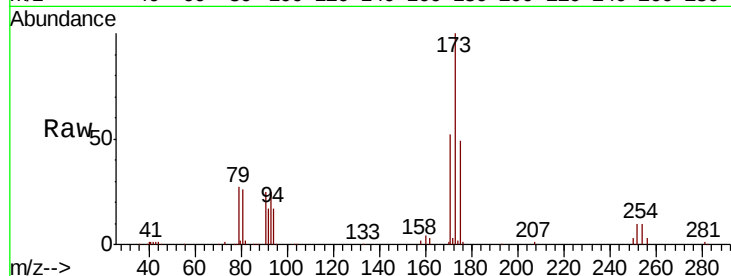




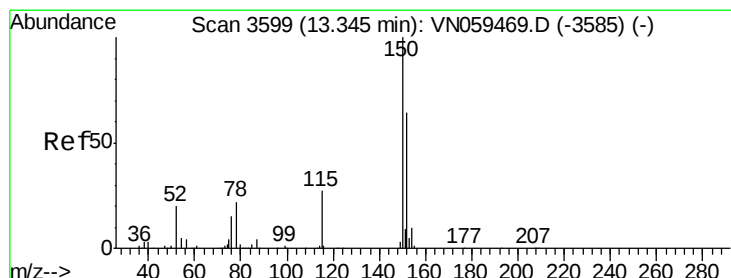
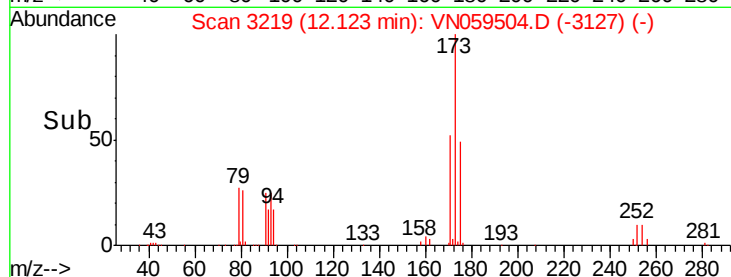
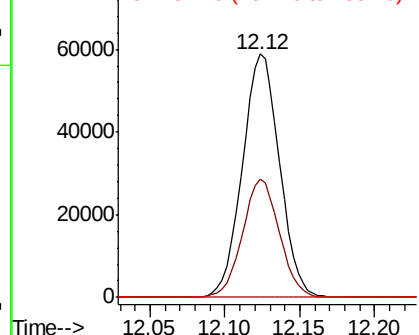
#71
Bromoform
Concen: 44.567 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	73.0
254	0.0	0.0	0.0

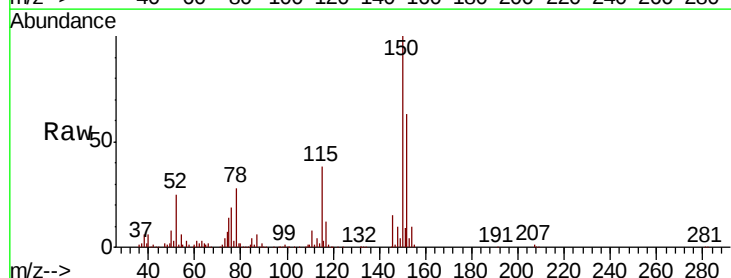


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

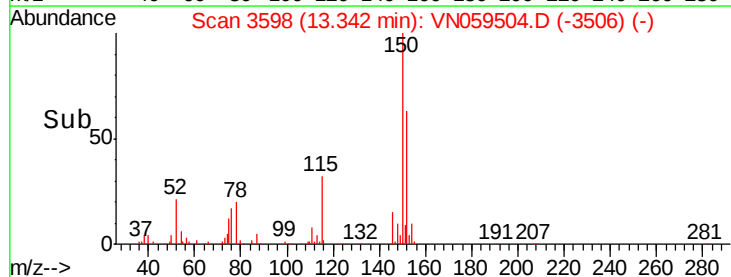
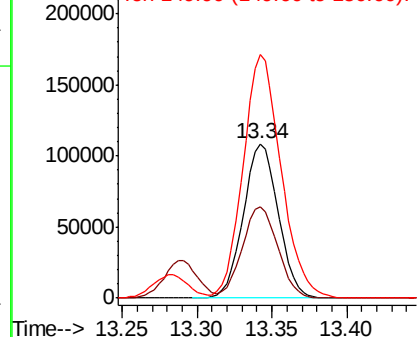


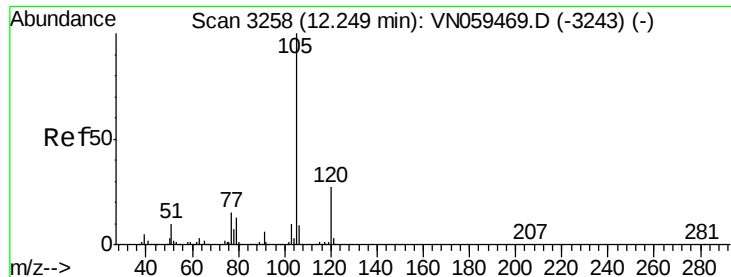
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.2	87.6
150	171.7	0.0	352.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.559 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

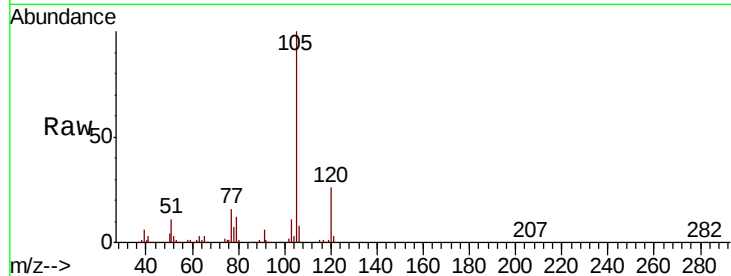
ClientSampleId :

Tot Ion:105 Resp: 615995

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

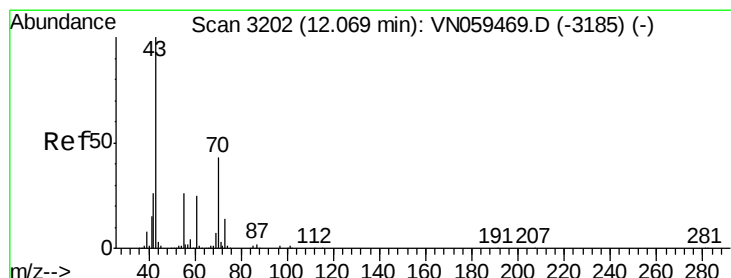
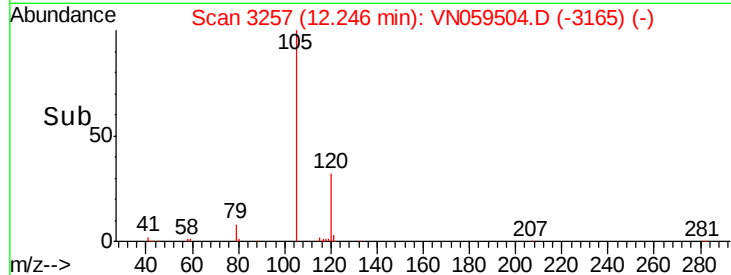
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 44.254 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Tgt Ion: 43 Resp: 252079

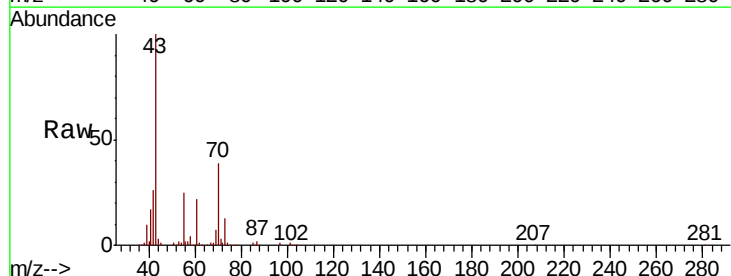
Ion Ratio Lower Upper

43 100

70 39.4 34.2 51.2

55 25.7 20.6 31.0

61 22.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

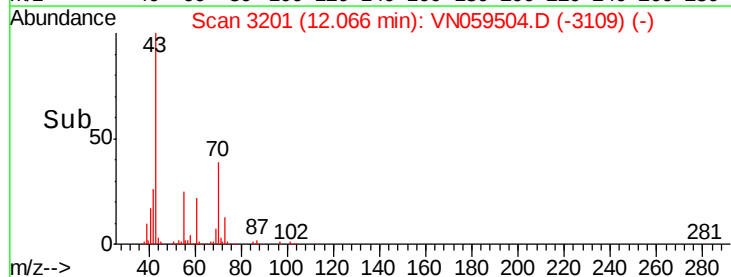
100000

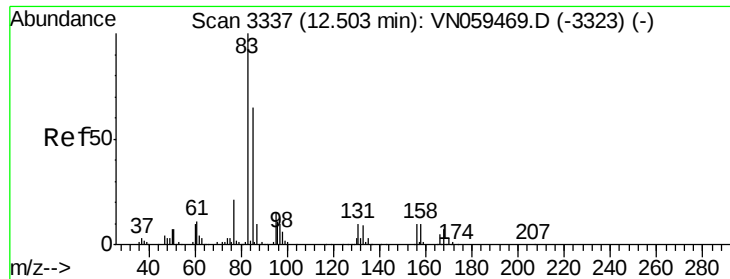
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 42.687 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059504.D

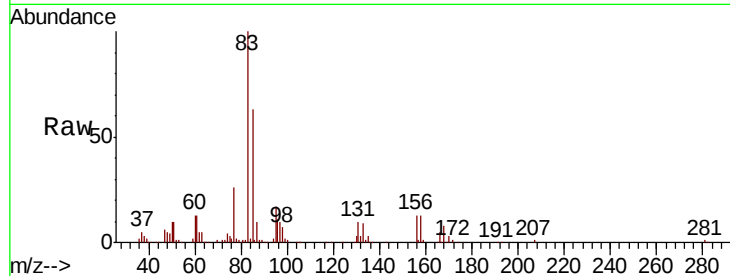
Acq: 6 Dec 2019 10:09

Instrument :

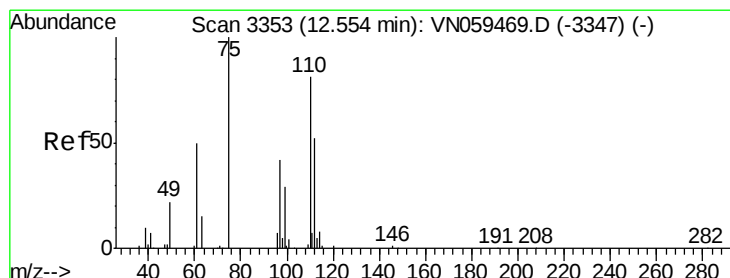
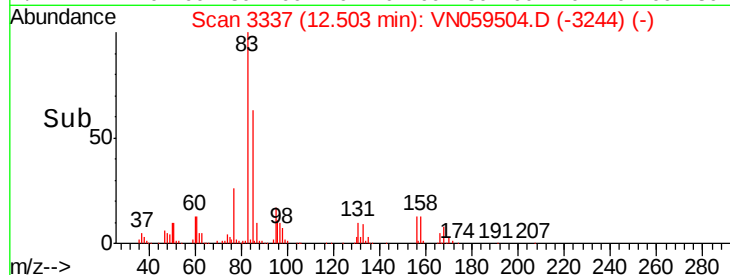
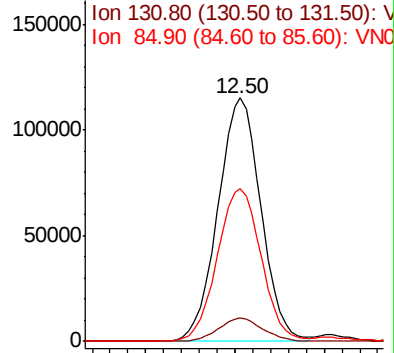
MSVOA_N

ClientSampled :

Tot Ion:	83	Resp:	193635
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	64.1	32.2	96.6



Abundance Ion 82.90 (82.60 to 83.60): VN059504.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 61.076 ug/l

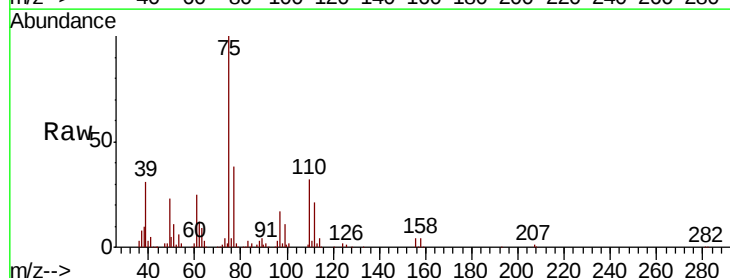
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

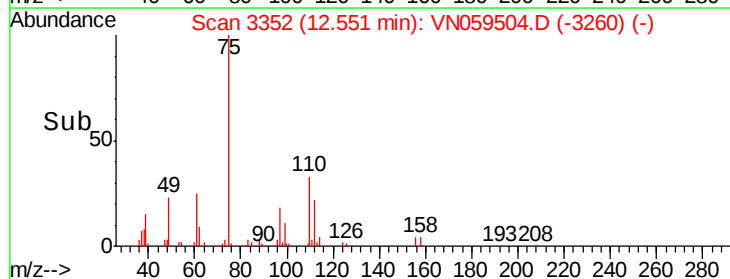
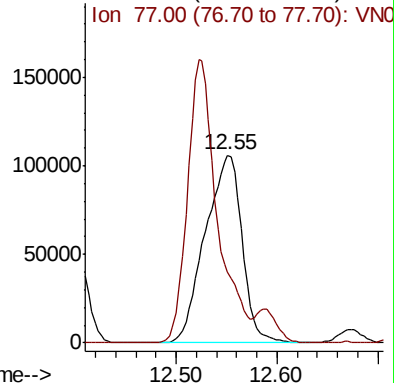
Lab File: VN059504.D

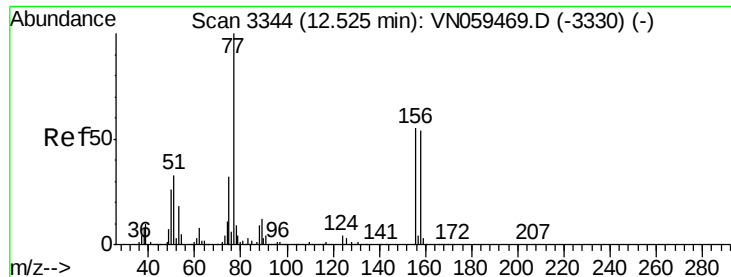
Acq: 6 Dec 2019 10:09

Tgt Ion:	75	Resp:	267788
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059504.D (-3260) (-)





#77

Bromobenzene

Concen: 40.950 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

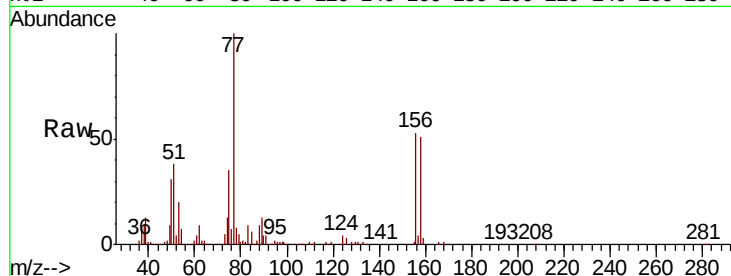
Tot Ion:156 Resp: 144714

Ion Ratio Lower Upper

156 100

77 227.2 110.3 331.0

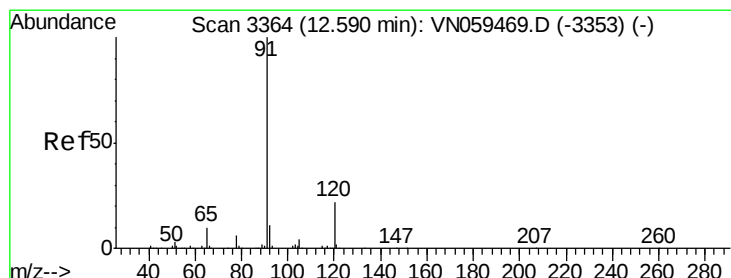
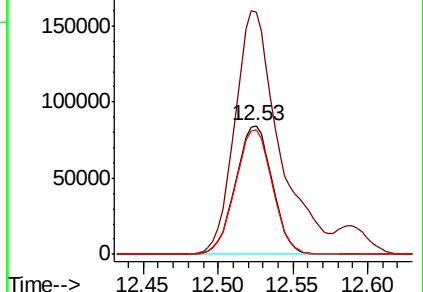
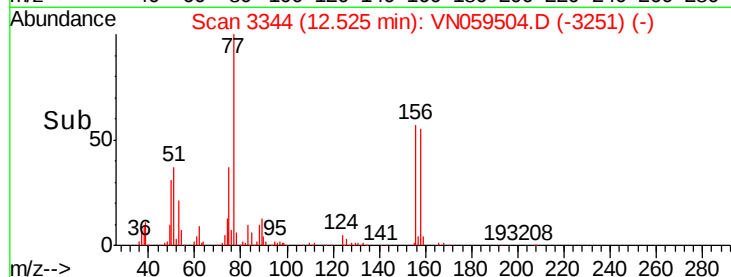
158 97.3 48.5 145.5



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: 44.424 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059504.D

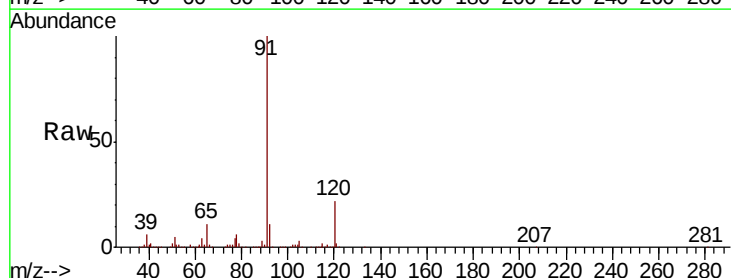
Acq: 6 Dec 2019 10:09

Tgt Ion: 91 Resp: 731086

Ion Ratio Lower Upper

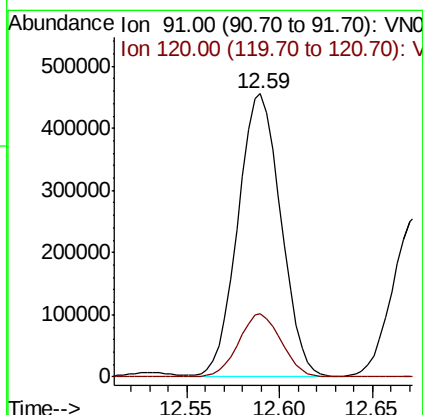
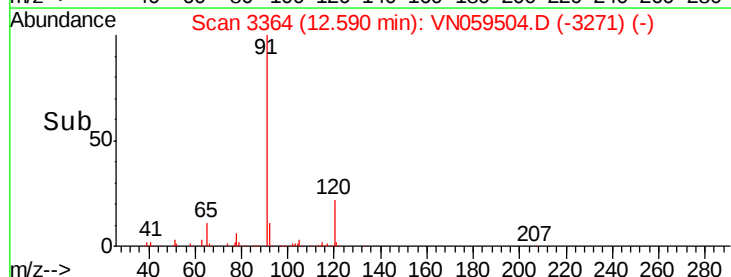
91 100

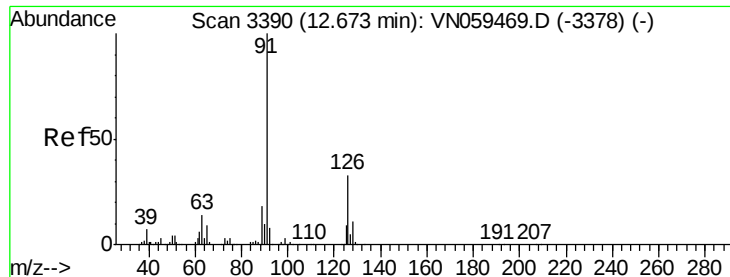
120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.420 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

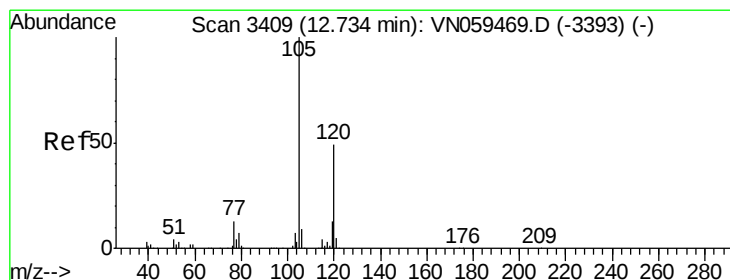
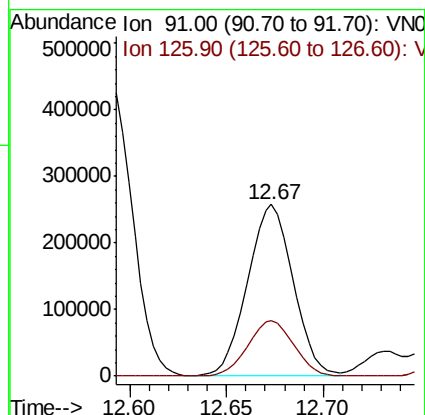
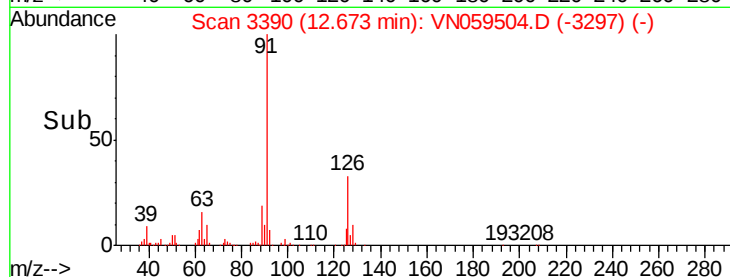
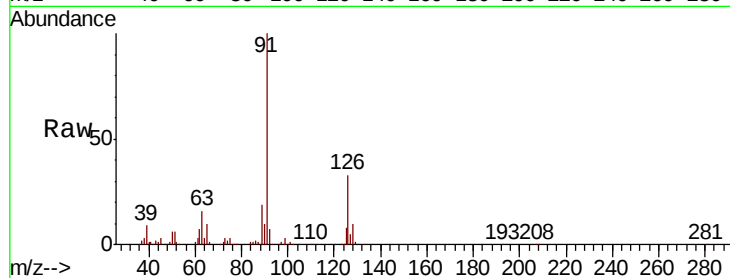
ClientSampleId :

Tot Ion: 91 Resp: 420833

Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 44.083 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059504.D

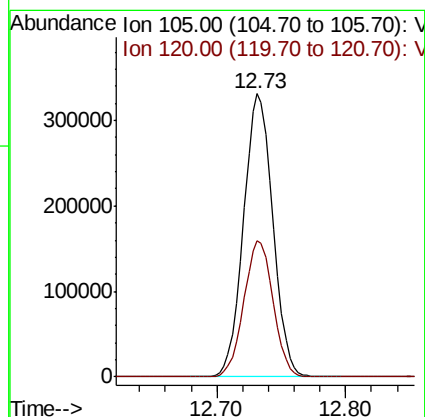
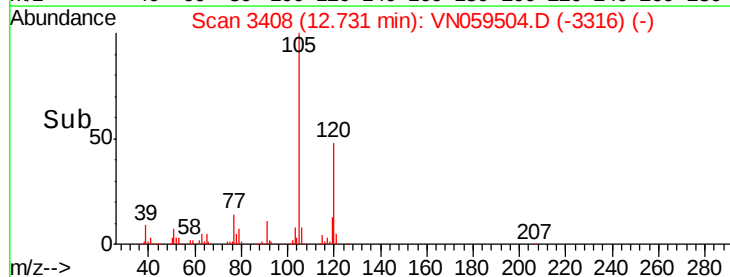
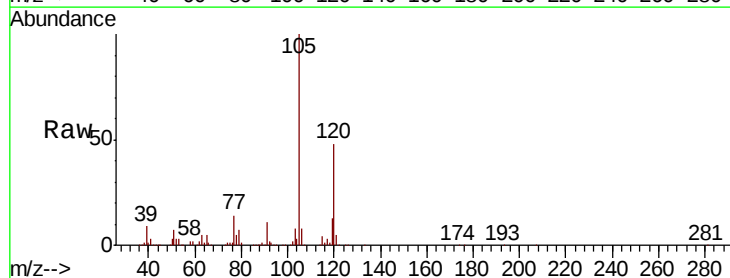
Acq: 6 Dec 2019 10:09

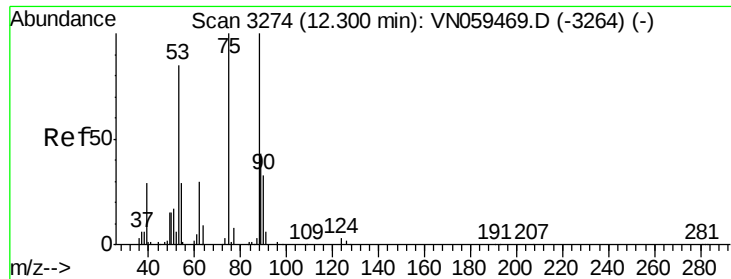
Tgt Ion: 105 Resp: 520977

Ion Ratio Lower Upper

105 100

120 48.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.636 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

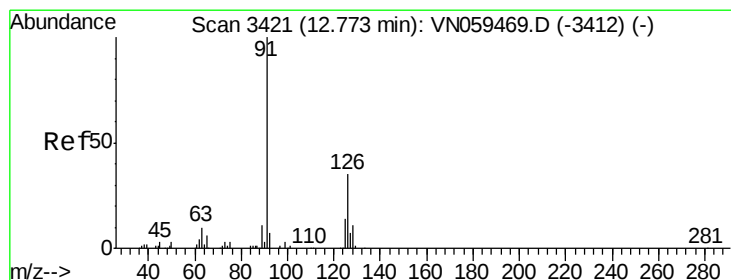
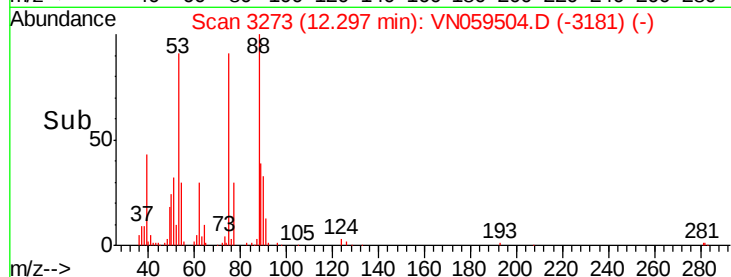
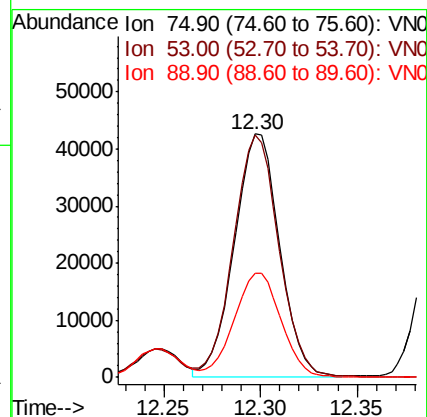
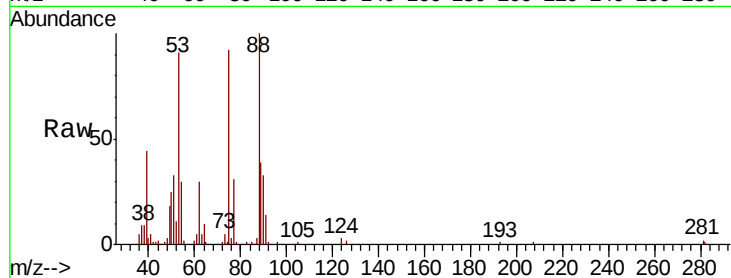
Tot Ion: 75 Resp: 69561

Ion Ratio Lower Upper

75 100

53 100.4 69.8 104.6

89 44.3 35.2 52.8



#82

4-Chlorotoluene

Concen: 43.189 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059504.D

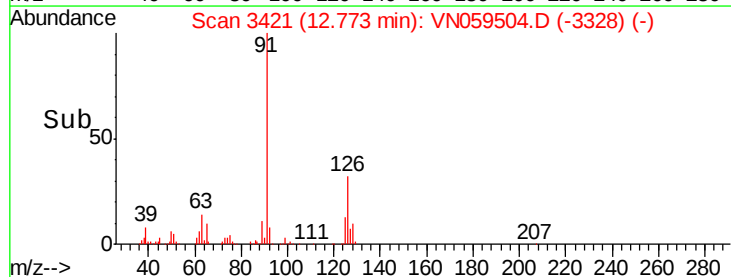
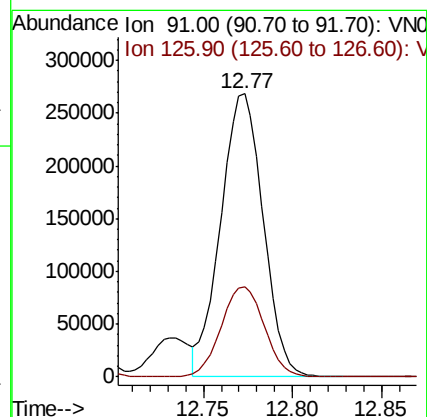
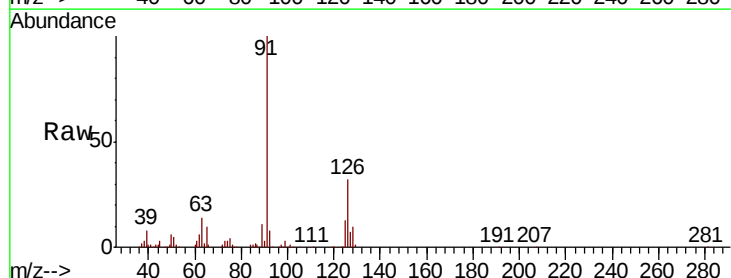
Acq: 6 Dec 2019 10:09

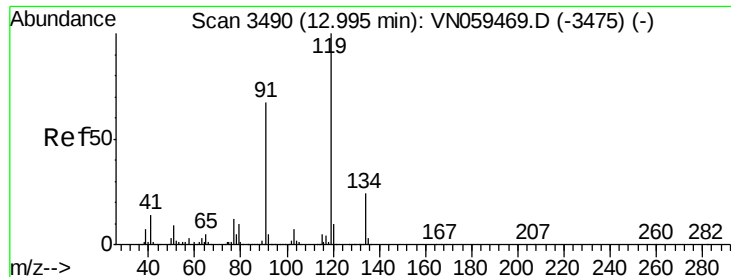
Tgt Ion: 91 Resp: 442066

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.2

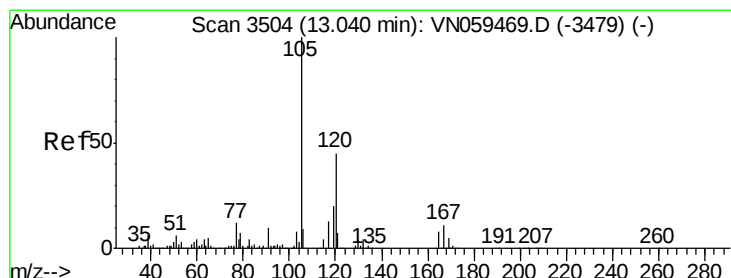
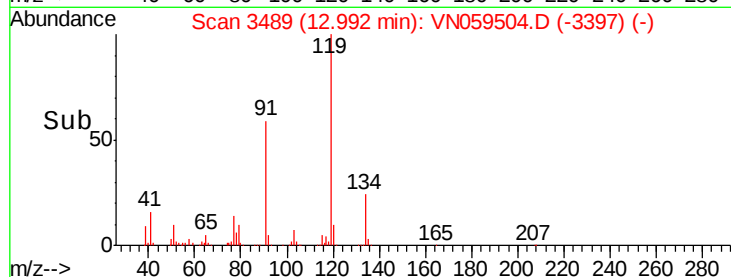
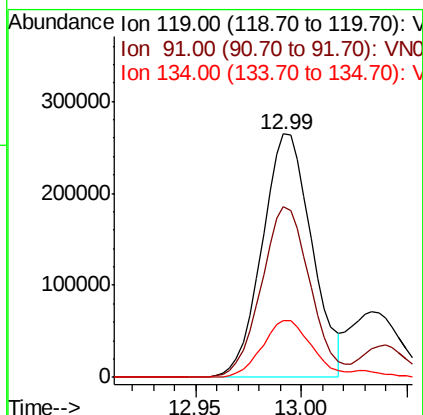
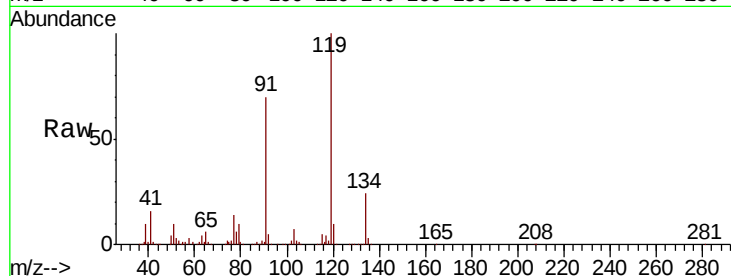




#83
tert-Butylbenzene
Concen: 42.316 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

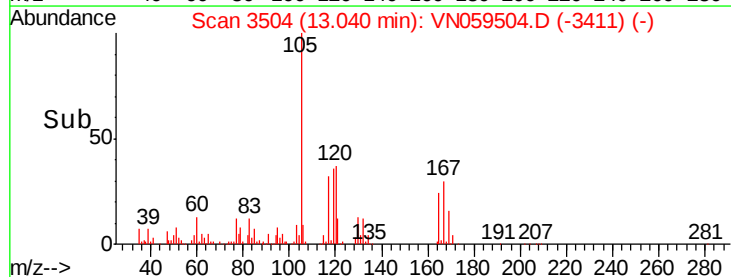
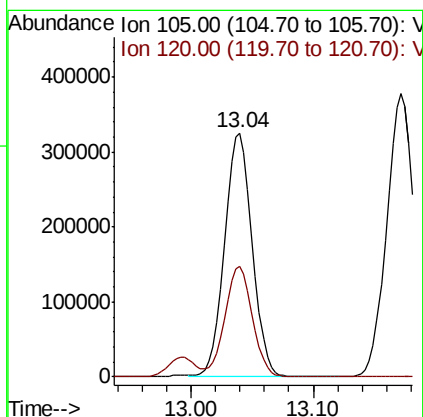
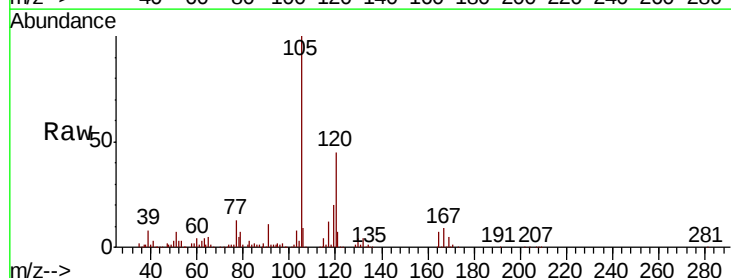
Instrument :
MSVOA_N
ClientSampleId :

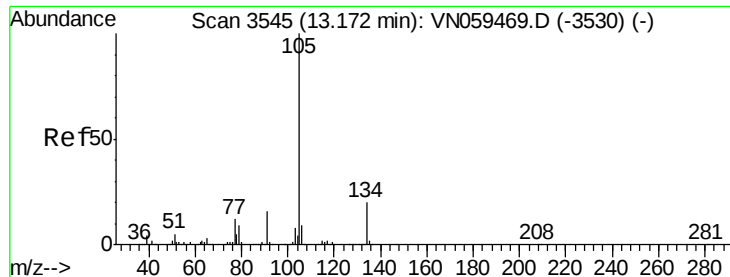
Tot Ion:119 Resp: 434169
Ion Ratio Lower Upper
119 100
91 68.7 32.6 97.7
134 25.2 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 44.664 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion:105 Resp: 515845
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.8

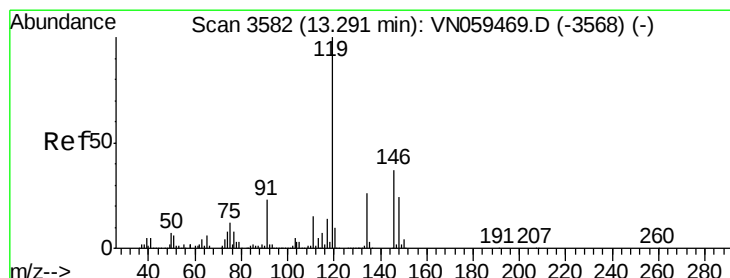
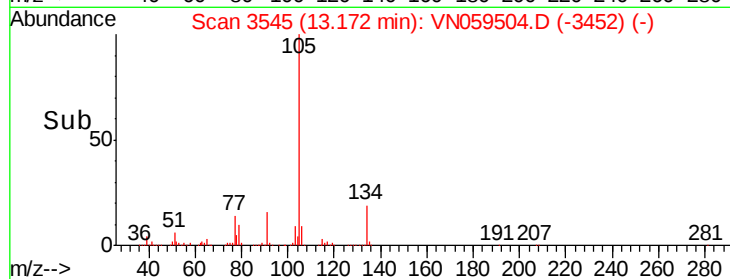
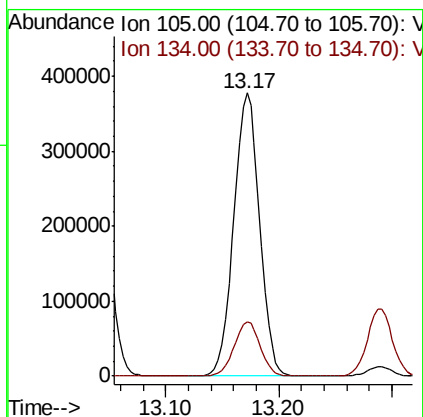
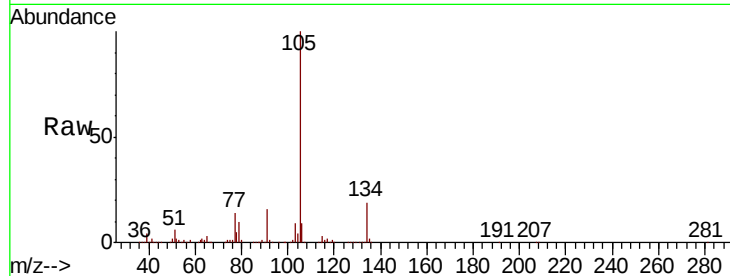




#85
 sec-Butylbenzene
 Concen: 43.853 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

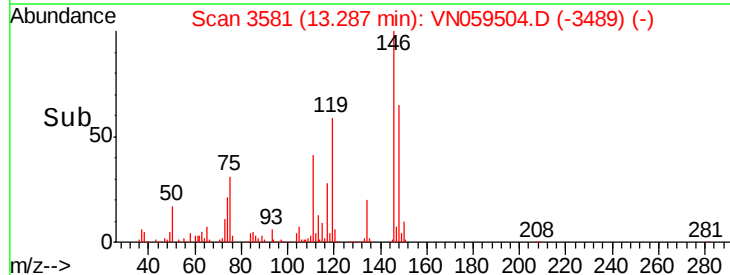
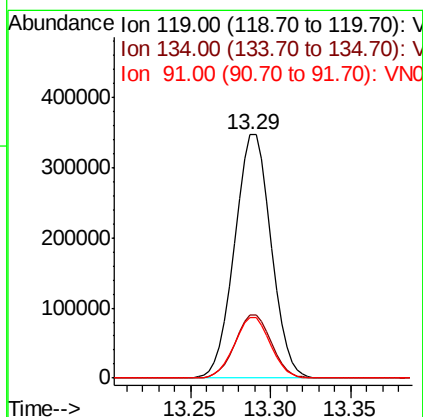
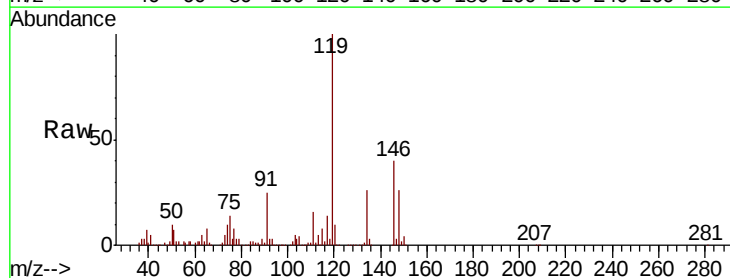
Instrument :
 MSVOA_N
 ClientSampleId :

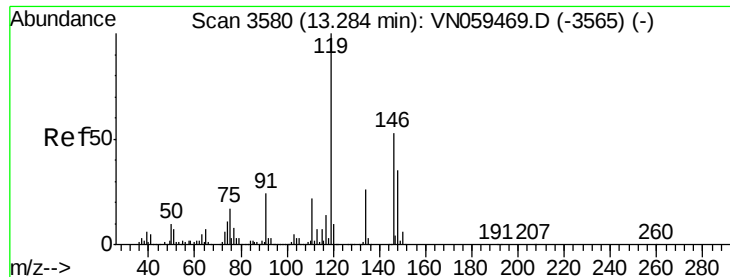
Tot Ion:105 Resp: 596332
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 44.054 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion:119 Resp: 536840
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 24.6 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 42.090 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

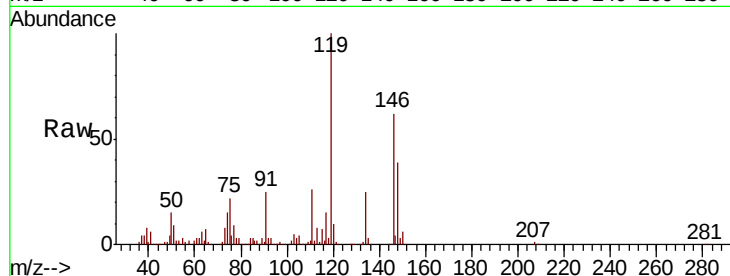
Tot Ion:146 Resp: 262253

Ion Ratio Lower Upper

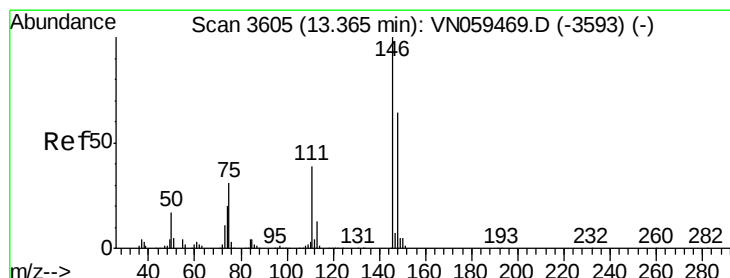
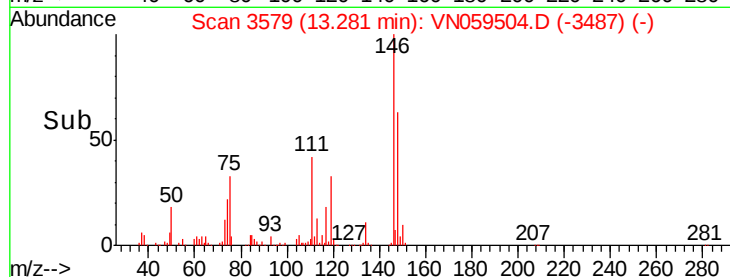
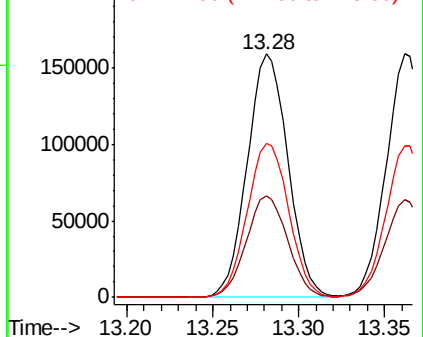
146 100

111 42.2 20.4 61.3

148 64.4 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 41.412 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

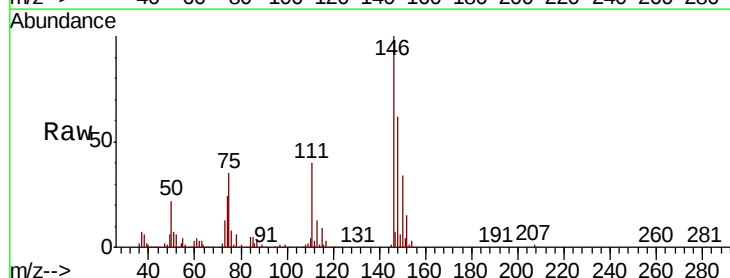
Tgt Ion:146 Resp: 260228

Ion Ratio Lower Upper

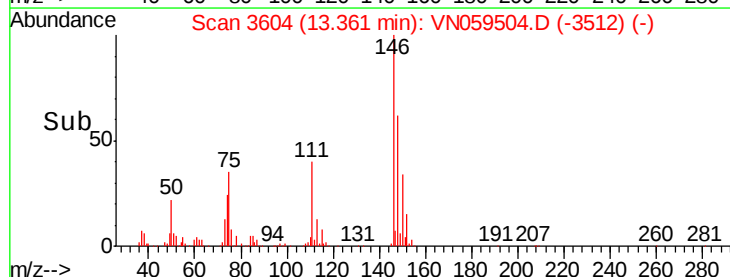
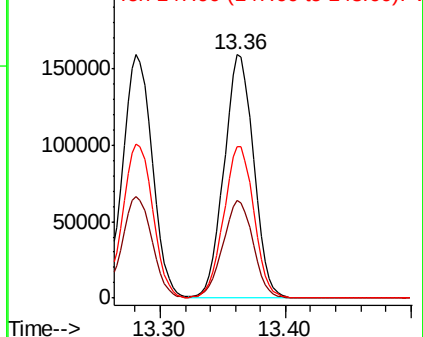
146 100

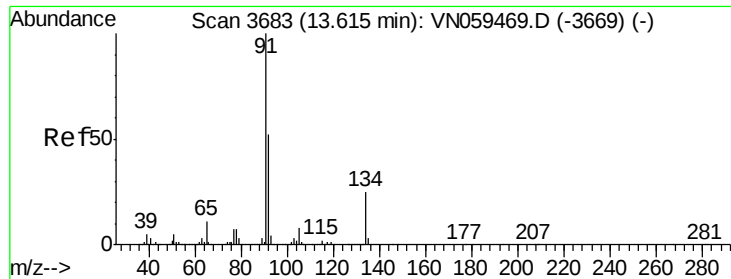
111 40.9 19.8 59.3

148 63.6 32.0 96.0



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

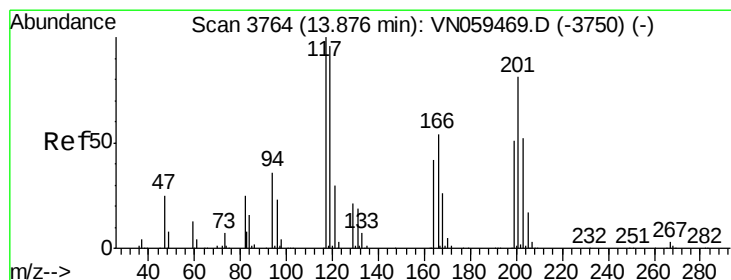
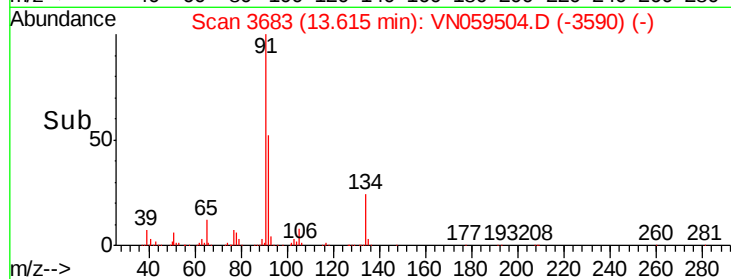
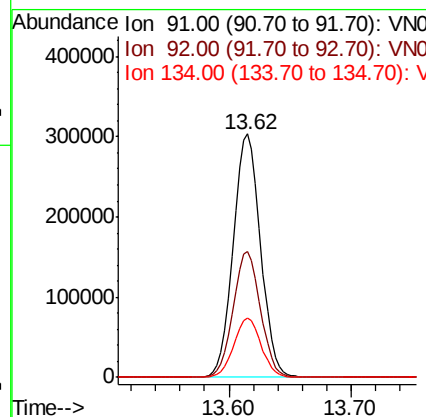
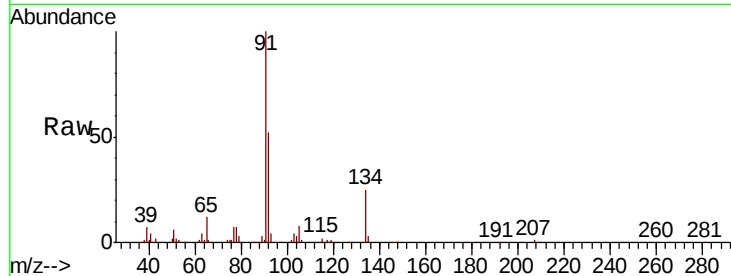




#89
n-Butylbenzene
Concen: 43.467 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

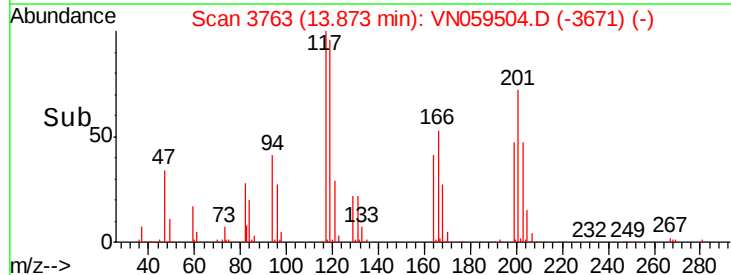
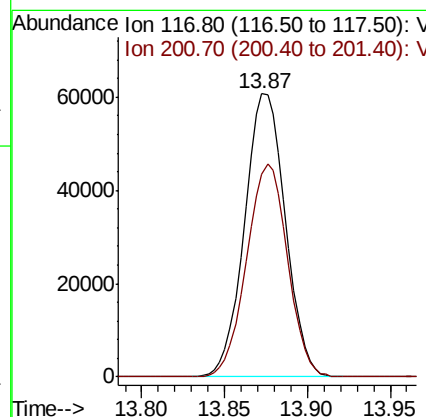
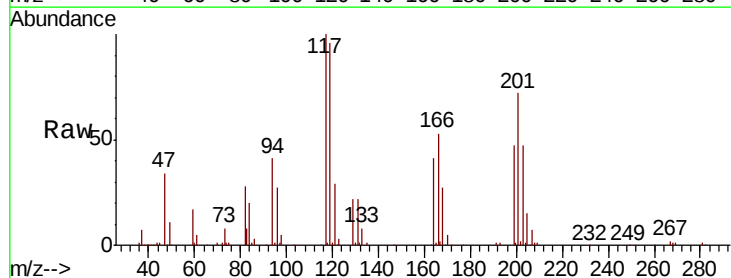
Instrument :
MSVOA_N
ClientSampled :

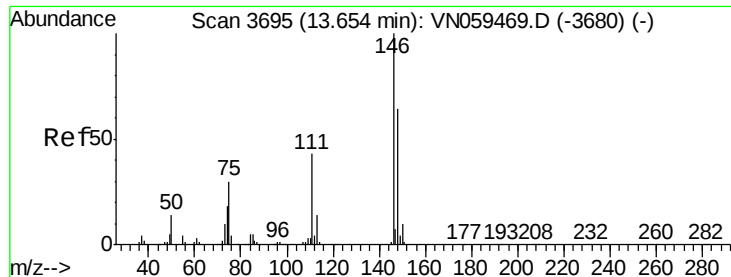
Tot Ion: 91 Resp: 474558
Ion Ratio Lower Upper
91 100
92 51.7 25.9 77.8
134 24.3 12.6 37.6



#90
Hexachloroethane
Concen: 44.241 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059504.D
Acq: 6 Dec 2019 10:09

Tgt Ion: 117 Resp: 103978
Ion Ratio Lower Upper
117 100
201 75.5 40.6 122.0

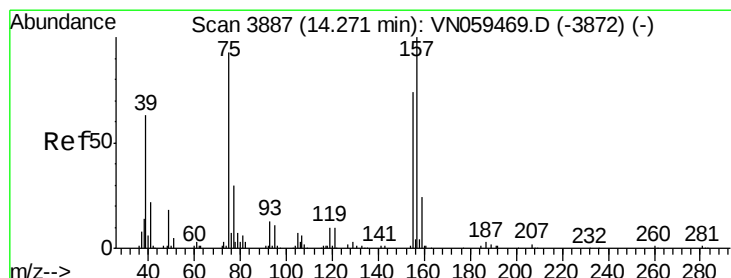
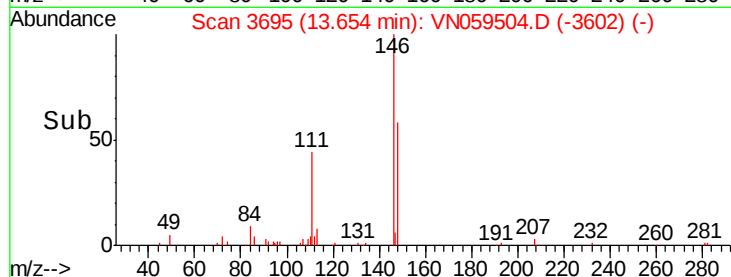
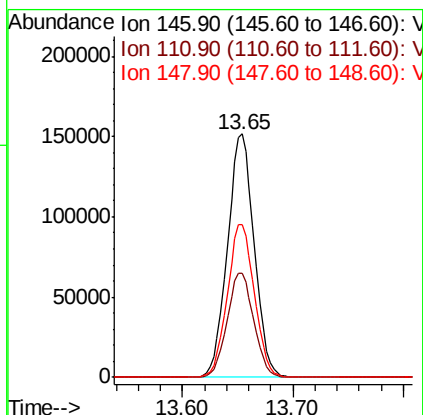
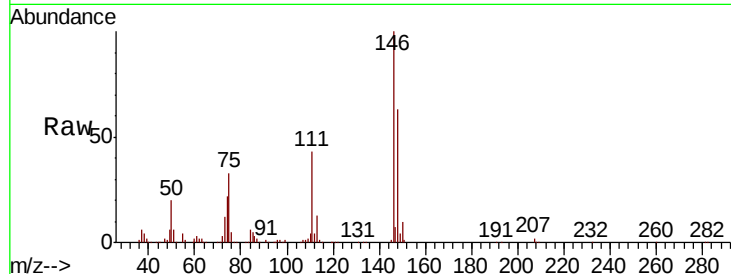




#91
 1,2-Dichlorobenzene
 Concen: 42.555 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

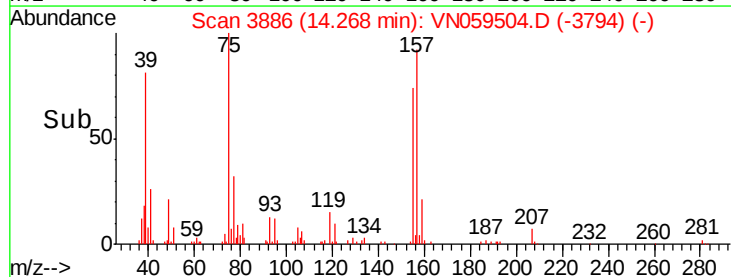
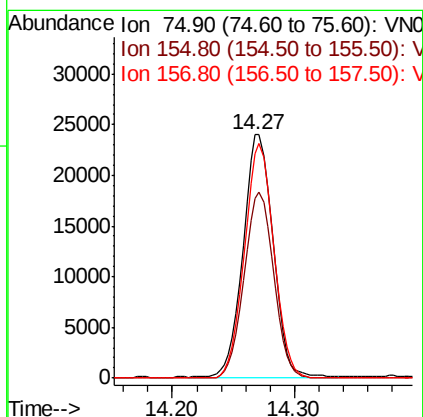
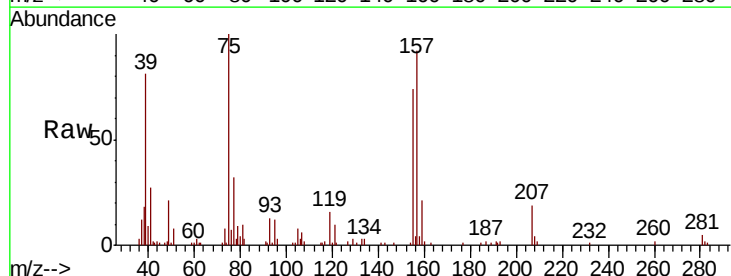
Instrument :
 MSVOA_N
 ClientSampleId :

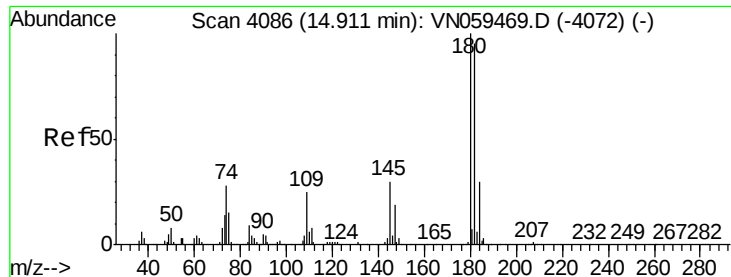
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.7
148	63.6	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.861 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	40.6	122.0
157	92.7	52.9	158.7

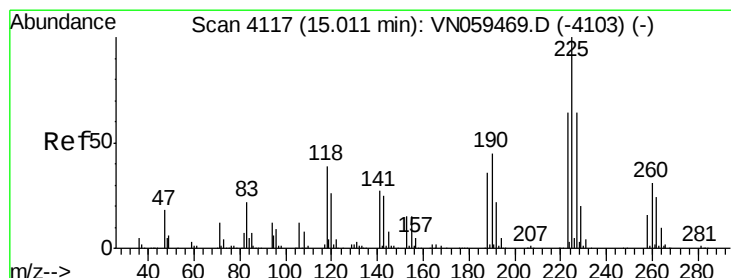
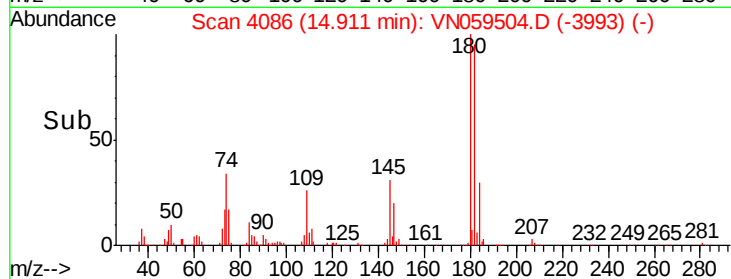
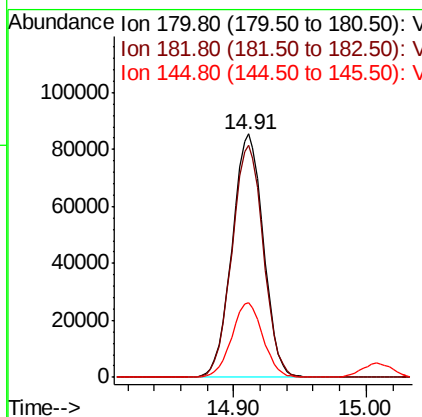
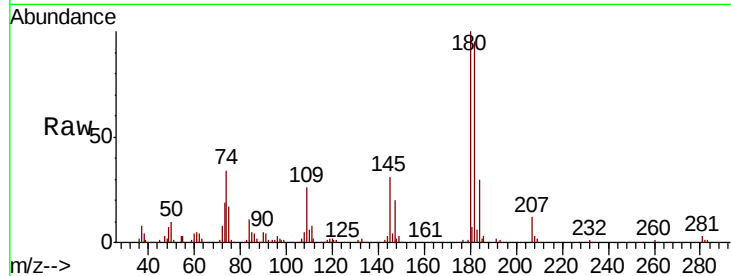




#93
 1,2,4-Trichlorobenzene
 Concen: 38.333 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

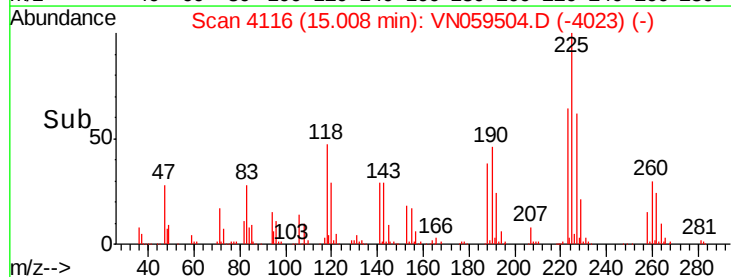
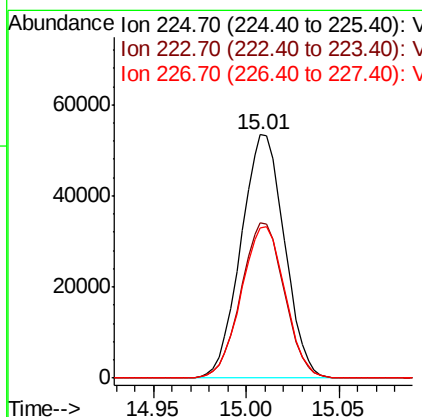
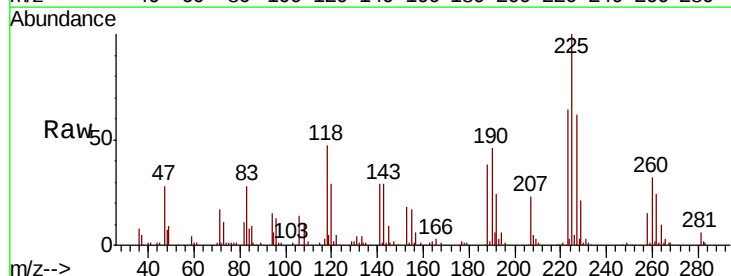
Instrument :
 MSVOA_N
 ClientSampled :

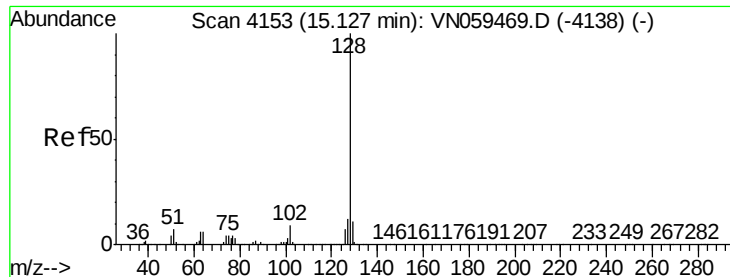
Tot Ion:180 Resp: 139779
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.0 144.2
 145 30.6 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 41.901 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059504.D
 Acq: 6 Dec 2019 10:09

Tgt Ion:225 Resp: 86890
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.9 95.5
 227 62.9 32.0 96.2





#95

Naphthalene

Concen: 36.487 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

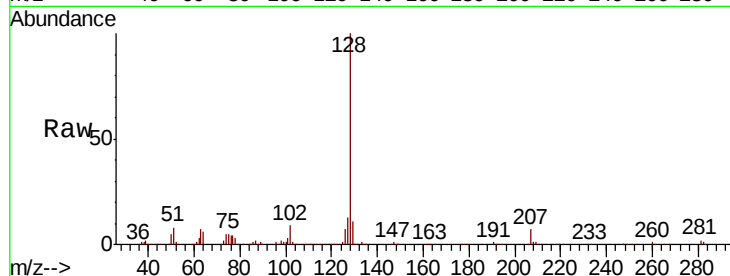
Tot Ion:128 Resp: 359621

Ion Ratio Lower Upper

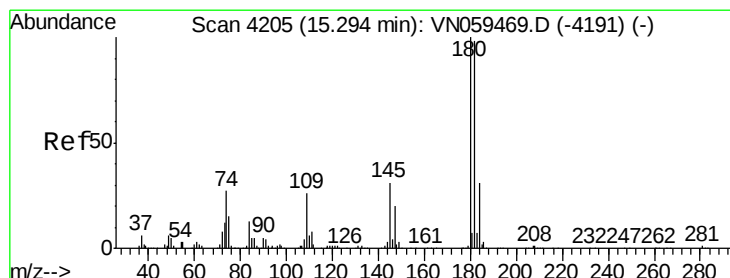
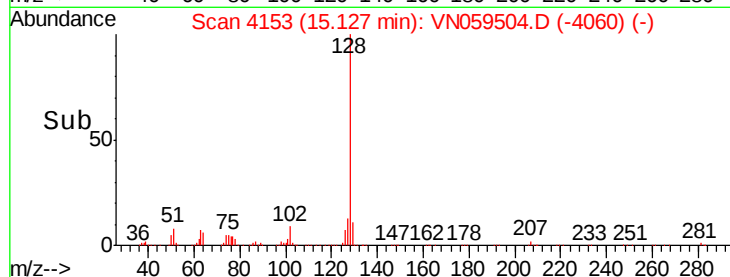
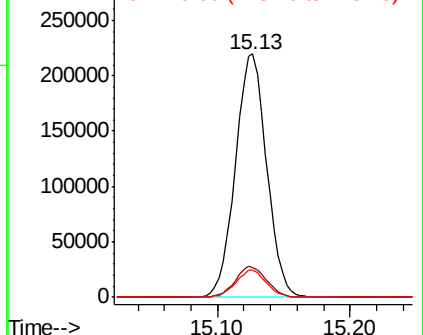
128 100

127 12.9 10.2 15.4

129 10.9 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: 38.981 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059504.D

Acq: 6 Dec 2019 10:09

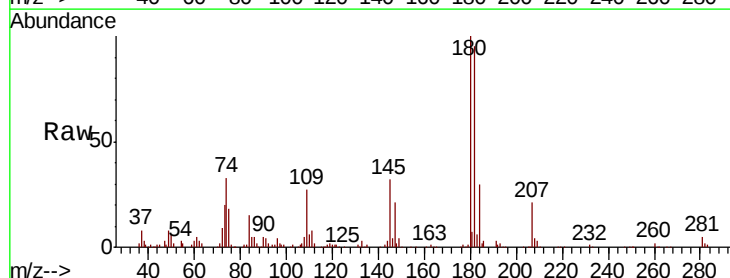
Tgt Ion:180 Resp: 141142

Ion Ratio Lower Upper

180 100

182 94.9 48.5 145.5

145 31.6 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

