

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059812.D
 Acq On : 21 Jan 2020 16:34
 Operator : JC/MD
 Sample : VN0121MBS02
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 02:47:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	220809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	333789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140432	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	106175	43.30	ug/l	0.00
Spiked Amount						
			Recovery	=	86.60%	
35) Dibromofluoromethane	7.56	113	91127	45.78	ug/l	0.00
Spiked Amount						
			Recovery	=	91.56%	
50) Toluene-d8	10.08	98	344540	44.67	ug/l	0.00
Spiked Amount						
			Recovery	=	89.34%	
62) 4-Bromofluorobenzene	12.40	95	119649	43.03	ug/l	0.00
Spiked Amount						
			Recovery	=	86.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	41625	15.630	ug/l	100
3) Chloromethane	2.04	50	38742	15.325	ug/l	99
4) Vinyl Chloride	2.17	62	49183	17.004	ug/l	97
5) Bromomethane	2.54	94	30411	17.228	ug/l	98
6) Chloroethane	2.68	64	22273	16.276	ug/l	96
7) Trichlorofluoromethane	3.00	101	57796	16.638	ug/l	96
8) Diethyl Ether	3.38	74	19910	16.332	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34161	17.670	ug/l	92
10) Methyl Iodide	3.93	142	49346	15.791	ug/l	95
11) Tert butyl alcohol	4.73	59	32025	77.579	ug/l	99
12) 1,1-Dichloroethene	3.72	96	32095	15.887	ug/l	88
13) Acrolein	3.58	56	11885	40.672	ug/l	94
14) Allyl chloride	4.30	41	48369	17.763	ug/l #	95
15) Acrylonitrile	4.94	53	74821	79.458	ug/l	98
16) Acetone	3.78	43	75785	83.965	ug/l	93
17) Carbon Disulfide	4.03	76	86800	15.083	ug/l	99
18) Methyl Acetate	4.29	43	45475	15.877	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	107945	16.388	ug/l	95
20) Methylene Chloride	4.52	84	37849	16.185	ug/l	86
21) trans-1,2-Dichloroethene	5.01	96	34572	16.099	ug/l	89
22) Diisopropyl ether	5.91	45	98594	15.978	ug/l #	96
23) Vinyl Acetate	5.86	43	380696	79.683	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	60846	16.138	ug/l	97
25) 2-Butanone	6.80	43	101729	73.258	ug/l	90
26) 2,2-Dichloropropane	6.80	77	59294	16.358	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	41247	16.700	ug/l	87
28) Bromochloromethane	7.17	49	31032	20.592	ug/l #	70
29) Tetrahydrofuran	7.18	42	62891	73.199	ug/l #	86
30) Chloroform	7.35	83	64280	16.454	ug/l	99
31) Cyclohexane	7.63	56	54866	15.122	ug/l #	84
32) 1,1,1-Trichloroethane	7.54	97	60229	16.674	ug/l	94
36) 1,1-Dichloropropene	7.77	75	47030	16.180	ug/l	96
37) Ethyl Acetate	6.89	43	41463	15.209	ug/l	96
38) Carbon Tetrachloride	7.75	117	53167	16.815	ug/l	99

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Instrument :
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 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58437	16.304	ug/l	90
40) Benzene	8.02	78	141994	16.380	ug/l	100
41) Methacrylonitrile	7.14	41	16009	11.922	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	49755	16.928	ug/l	97
43) Isopropyl Acetate	8.14	43	71101	15.162	ug/l #	94
44) Trichloroethene	8.82	130	41563	17.563	ug/l	95
45) 1,2-Dichloropropane	9.10	63	36010	16.787	ug/l	99
46) Dibromomethane	9.19	93	25405	16.789	ug/l	90
47) Bromodichloromethane	9.38	83	52196	17.117	ug/l	96
48) Methyl methacrylate	9.18	41	29872	14.242	ug/l #	84
49) 1,4-Dioxane	9.18	88	13388	348.663	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	205055	75.645	ug/l	94
52) Toluene	10.14	92	93505	17.076	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	56253	16.521	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	60873	16.992	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	36395	16.782	ug/l	95
56) Ethyl methacrylate	10.42	69	52004	15.693	ug/l	91
57) 1,3-Dichloropropane	10.70	76	58535	17.001	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	67090	67.216	ug/l	91
59) 2-Hexanone	10.74	43	150377	75.301	ug/l	95
60) Dibromochloromethane	10.89	129	41819	16.933	ug/l	100
61) 1,2-Dibromoethane	10.99	107	37528	16.510	ug/l	99
64) Tetrachloroethene	10.62	164	41388	16.900	ug/l	97
65) Chlorobenzene	11.43	112	99983	16.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39228	17.189	ug/l	100
67) Ethyl Benzene	11.50	91	178188	16.620	ug/l	97
68) m/p-Xylenes	11.62	106	135383	33.428	ug/l	93
69) o-Xylene	11.94	106	66313	16.725	ug/l	93
70) Styrene	11.96	104	106403	16.037	ug/l	96
71) Bromoform	12.12	173	31215	17.076	ug/l #	99
73) Isopropylbenzene	12.25	105	176997	17.186	ug/l	99
74) N-amyl acetate	12.06	43	58589	14.660	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	48855	16.363	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	64613	27.340	ug/l #	100
77) Bromobenzene	12.52	156	45186	17.325	ug/l	79
78) n-propylbenzene	12.59	91	193677	16.754	ug/l	96
79) 2-Chlorotoluene	12.67	91	115893	16.852	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	146788	16.947	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17653	16.041	ug/l	92
82) 4-Chlorotoluene	12.77	91	117276	17.002	ug/l	96
83) tert-Butylbenzene	12.99	119	127466	17.015	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	146603	17.108	ug/l	99
85) sec-Butylbenzene	13.17	105	165779	16.843	ug/l	99
86) p-Isopropyltoluene	13.28	119	153578	16.864	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	78196	17.260	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	77543	17.157	ug/l	98
89) n-Butylbenzene	13.61	91	128984	16.611	ug/l	98
90) Hexachloroethane	13.87	117	28350	16.638	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	76529	17.087	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10195	14.422	ug/l	79

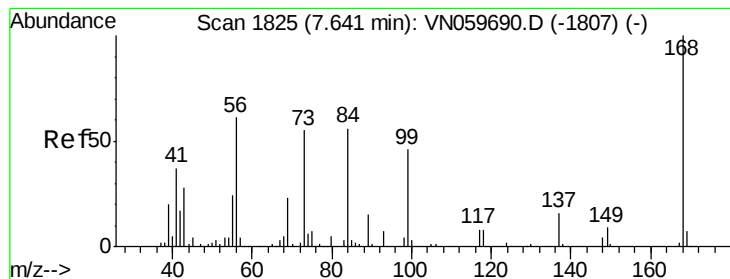
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012120\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	45524	16.915	ug/l	99
94) Hexachlorobutadiene	15.01	225	25469	17.173	ug/l	99
95) Naphthalene	15.13	128	117317	15.325	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	42804	16.340	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

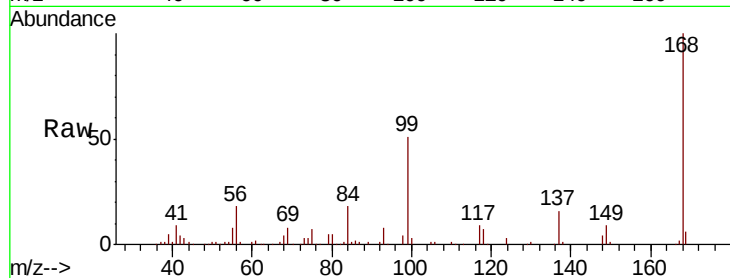
ClientSampleId :

Tot Ion:168 Resp: 220809

Ion Ratio Lower Upper

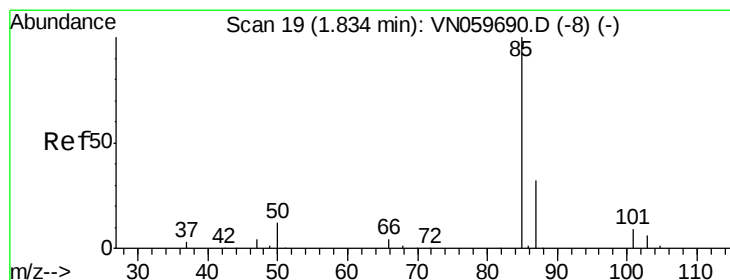
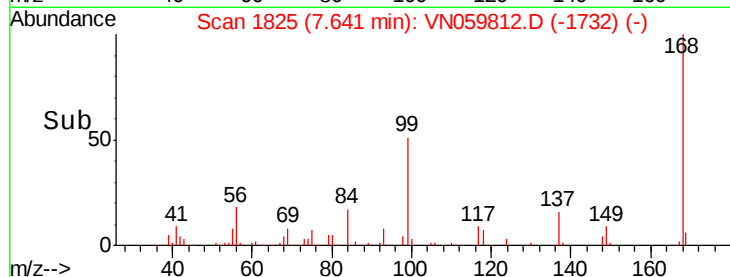
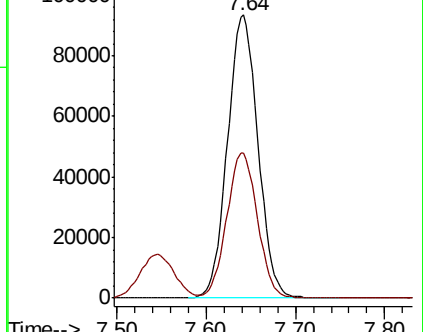
168 100

99 51.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 15.630 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059812.D

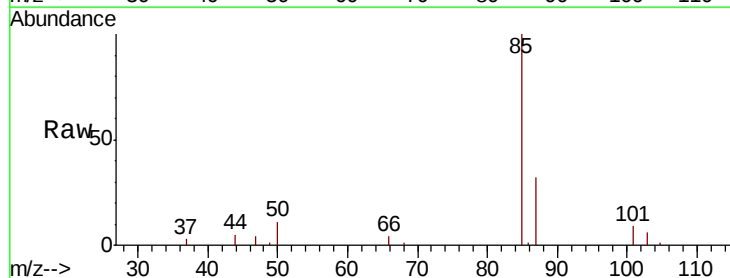
Acq: 21 Jan 2020 16:34

Tgt Ion: 85 Resp: 41625

Ion Ratio Lower Upper

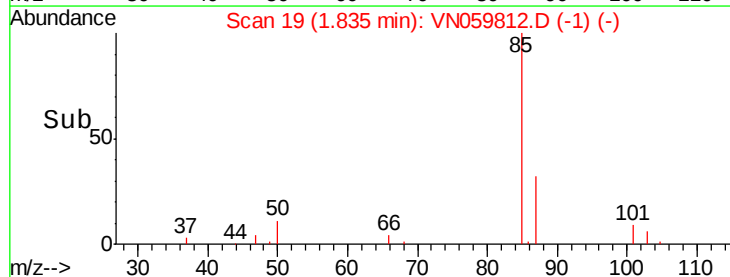
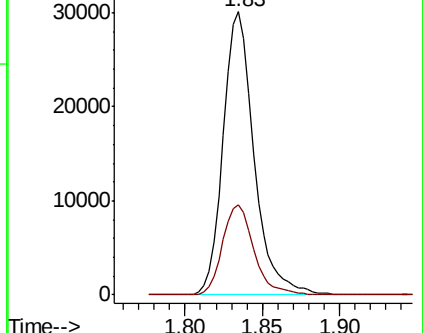
85 100

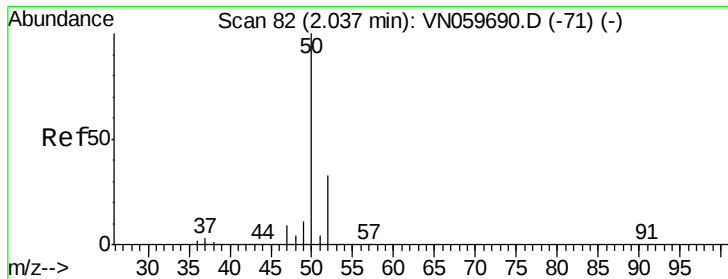
87 31.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 15.325 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

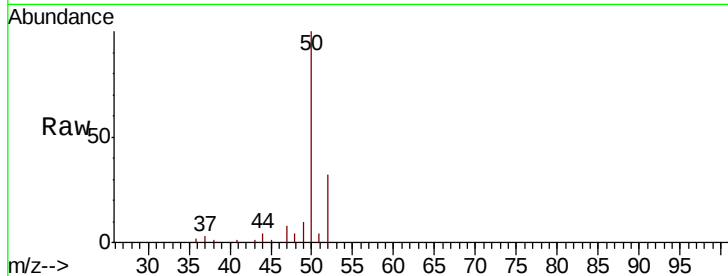
ClientSampleId :

Tot Ion: 50 Resp: 38742

Ion Ratio Lower Upper

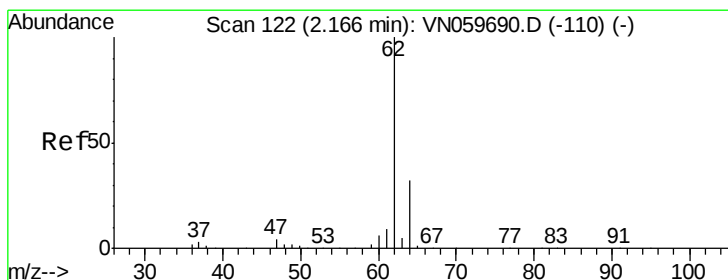
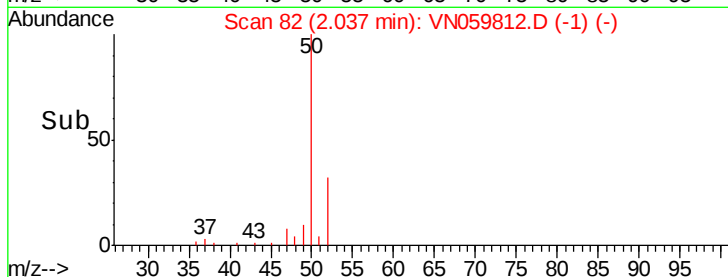
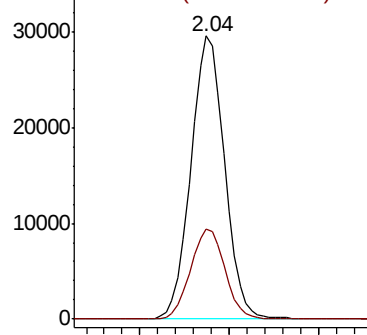
50 100

52 31.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.004 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059812.D

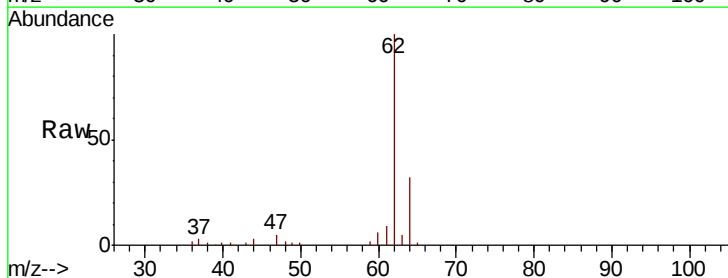
Acq: 21 Jan 2020 16:34

Tgt Ion: 62 Resp: 49183

Ion Ratio Lower Upper

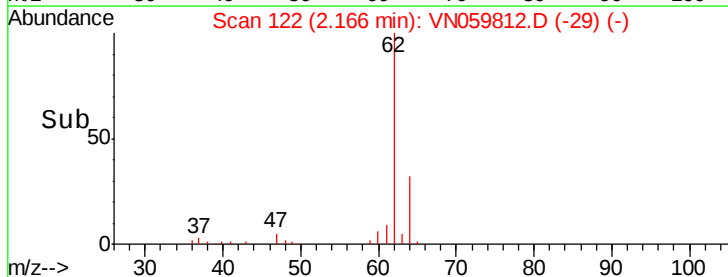
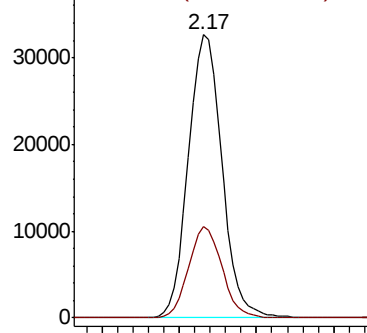
62 100

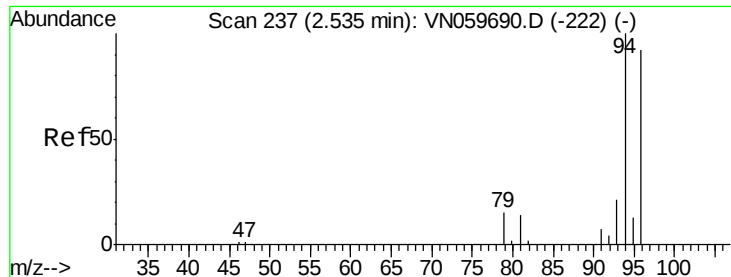
64 32.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

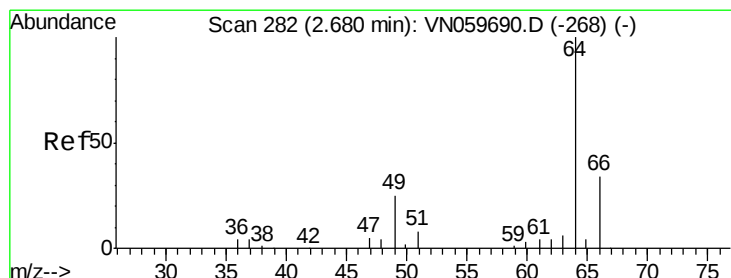
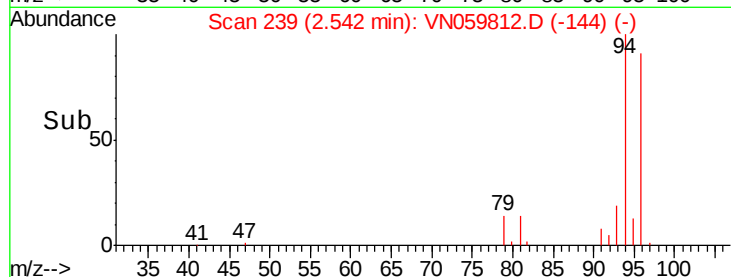
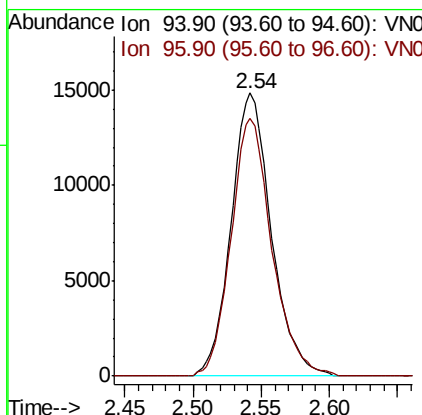
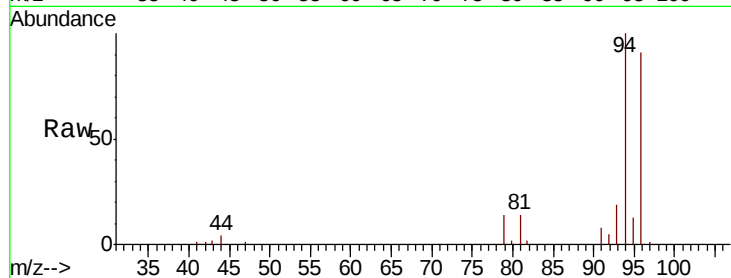




#5
Bromomethane
Concen: 17.228 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

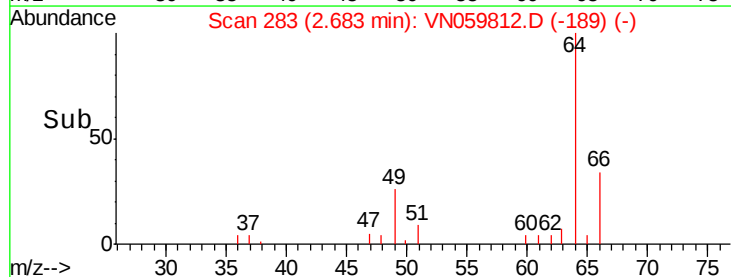
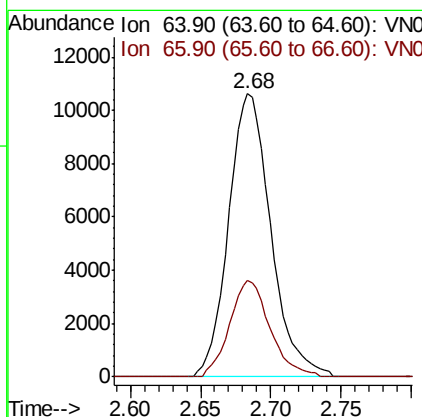
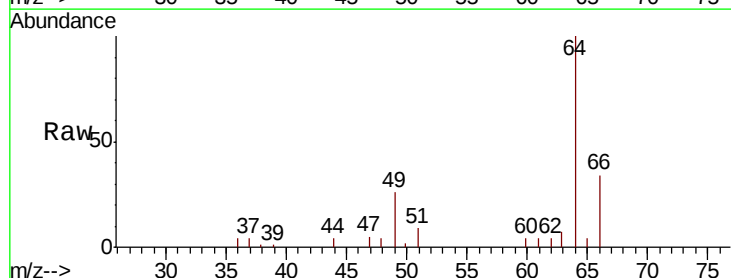
Instrument :
MSVOA_N
ClientSampleId :

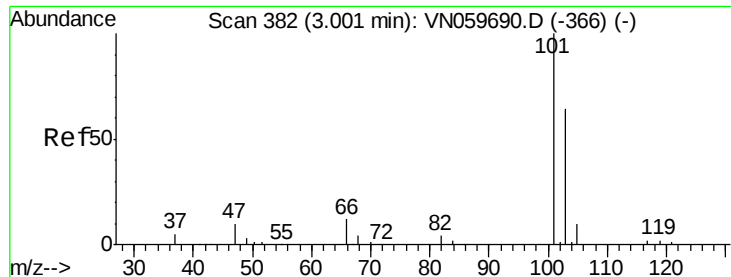
Tot Ion: 94 Resp: 30411
Ion Ratio Lower Upper
94 100
96 91.3 74.7 112.1



#6
Chloroethane
Concen: 16.276 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 64 Resp: 22273
Ion Ratio Lower Upper
64 100
66 33.9 25.1 37.7



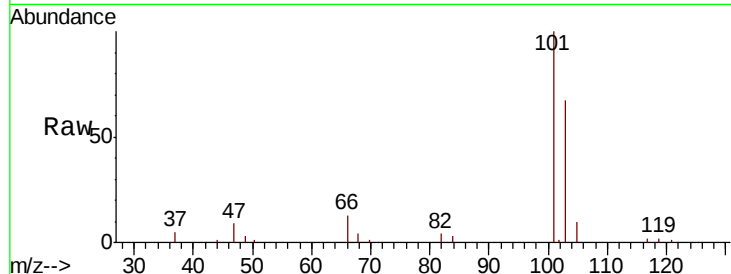


#7

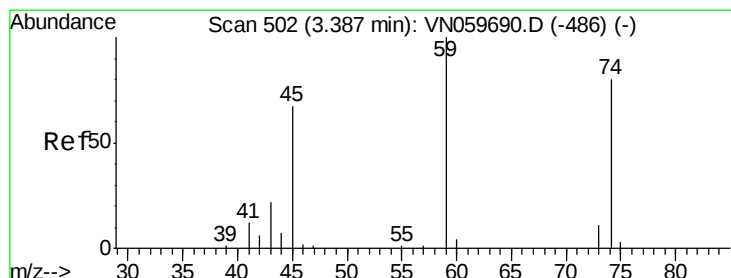
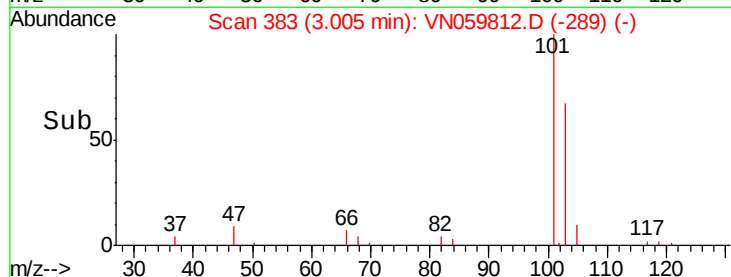
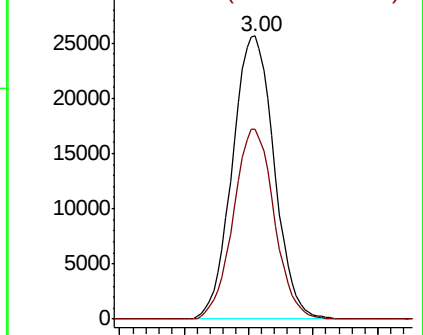
Trichlorofluoromethane
Concen: 16.638 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 57796
Ion Ratio Lower Upper
101 100
103 66.9 51.0 76.6



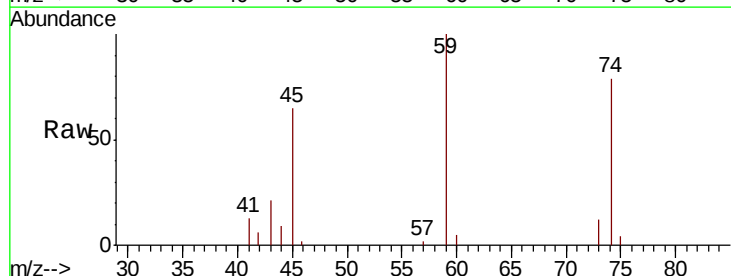
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



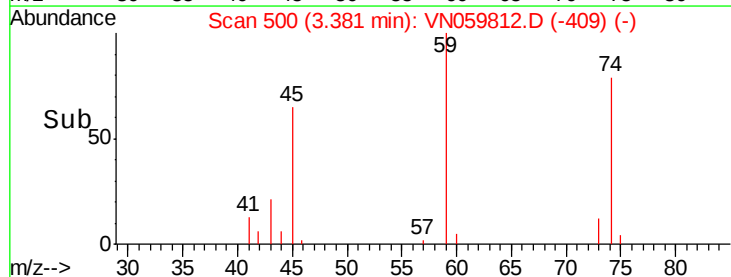
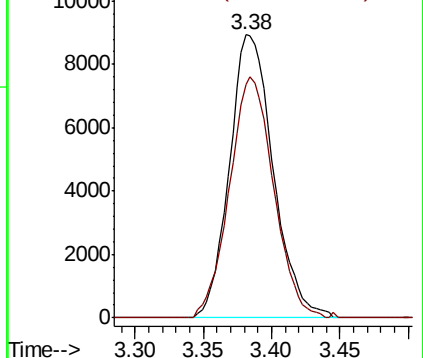
#8

Diethyl Ether
Concen: 16.332 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.01 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 74 Resp: 19910
Ion Ratio Lower Upper
74 100
45 85.8 51.9 155.8



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: 17.670 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

ClientSampled :

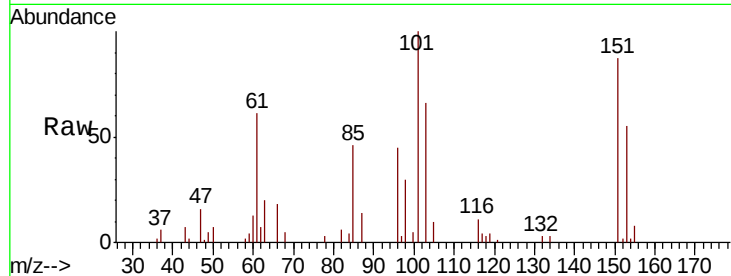
Tot Ion:101 Resp: 34161

Ion Ratio Lower Upper

101 100

85 43.7 36.6 54.8

151 83.5 59.7 89.5

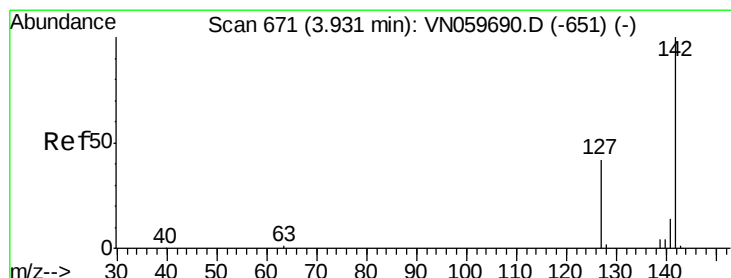
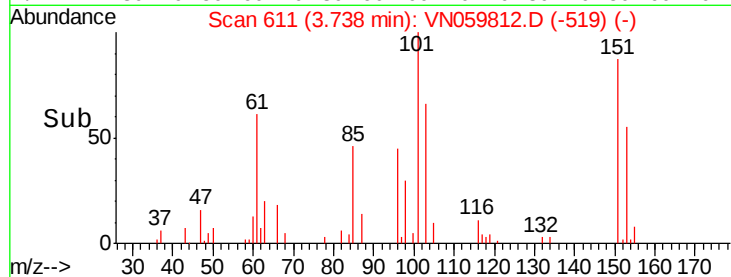
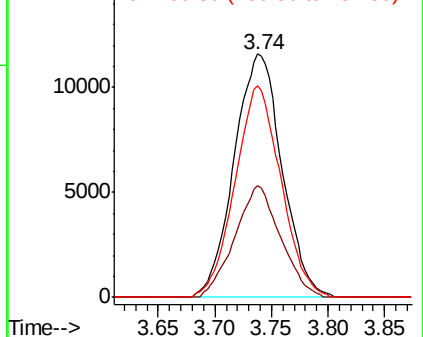


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.791 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

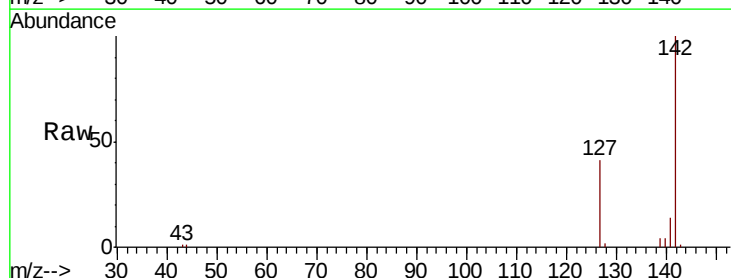
Tgt Ion:142 Resp: 49346

Ion Ratio Lower Upper

142 100

127 42.2 36.7 55.1

141 14.0 11.7 17.5

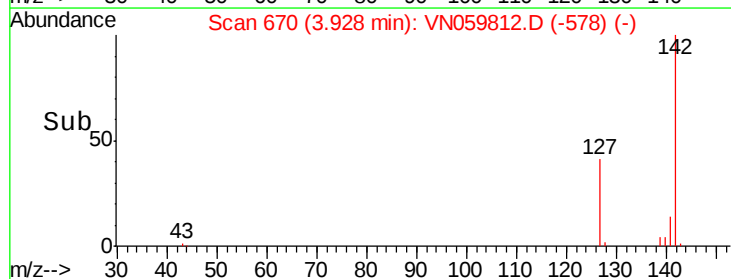
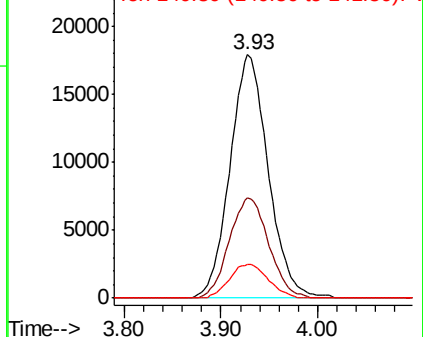


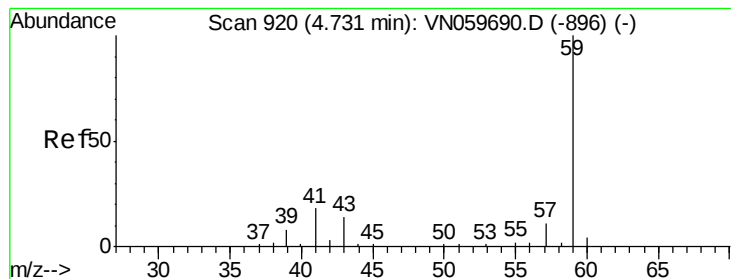
Abundance

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



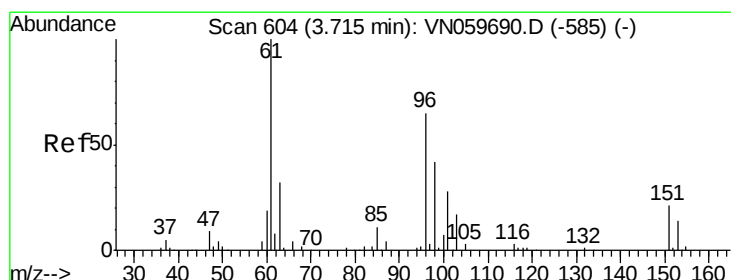
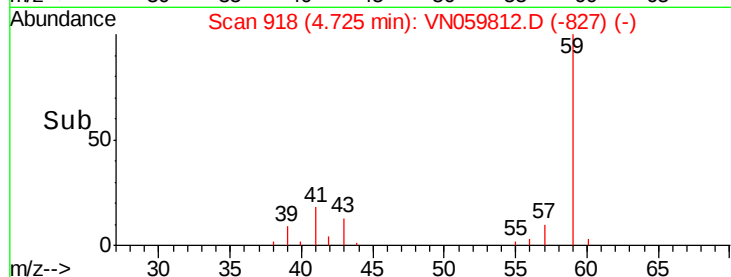
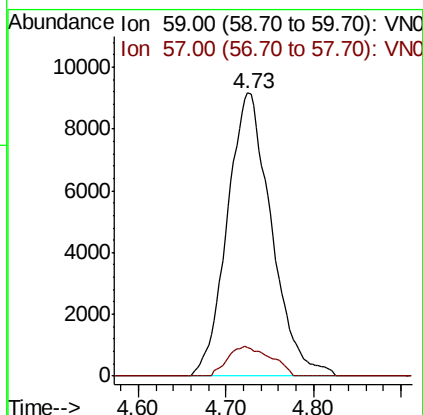
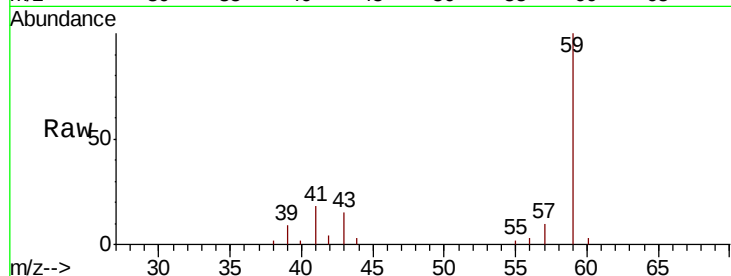


#11

Tert butyl alcohol
 Concen: 77.579 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Instrument :
 MSVOA_N
 ClientSampled :

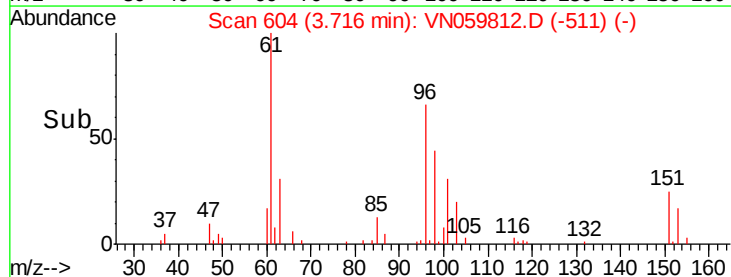
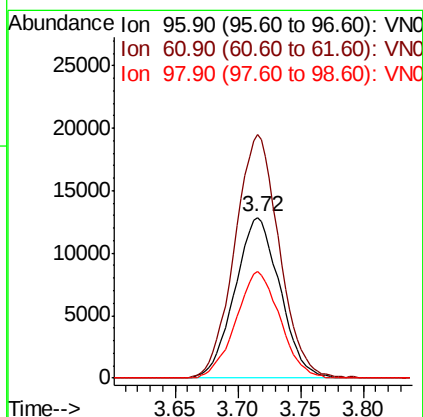
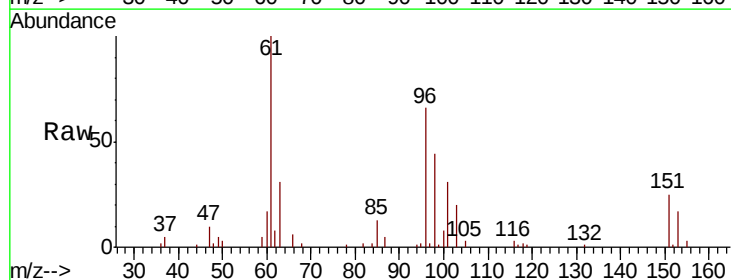
Tot Ion: 59 Resp: 32025
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.6 12.8

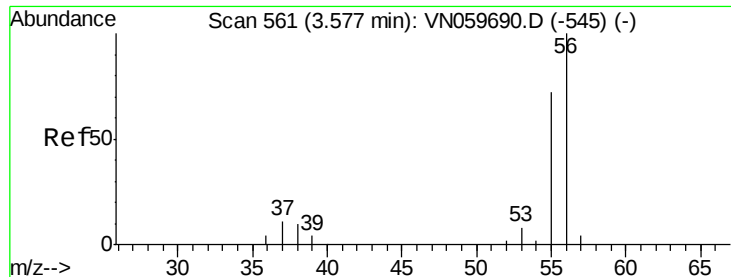


#12

1,1-Dichloroethene
 Concen: 15.887 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Tgt Ion: 96 Resp: 32095
 Ion Ratio Lower Upper
 96 100
 61 151.6 137.5 206.3
 98 66.1 50.2 75.4

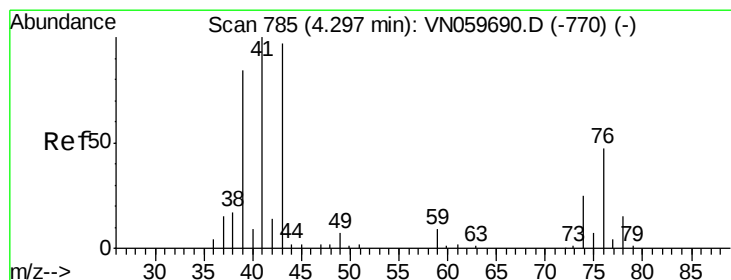
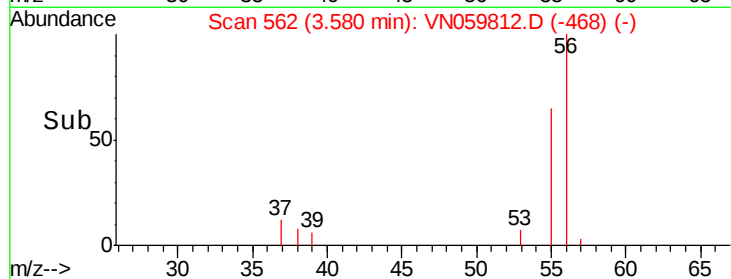
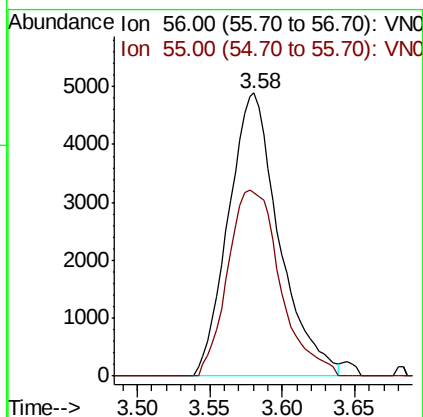
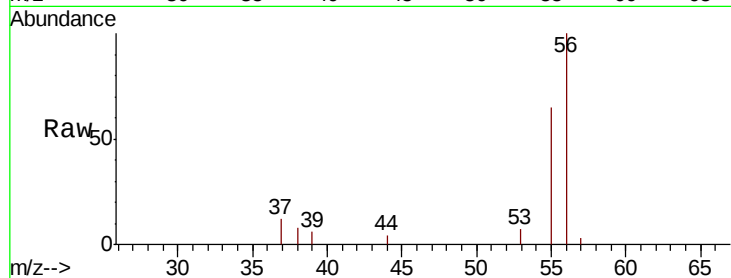




#13
 Acrolein
 Concen: 40.672 ug/l
 RT: 3.58 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

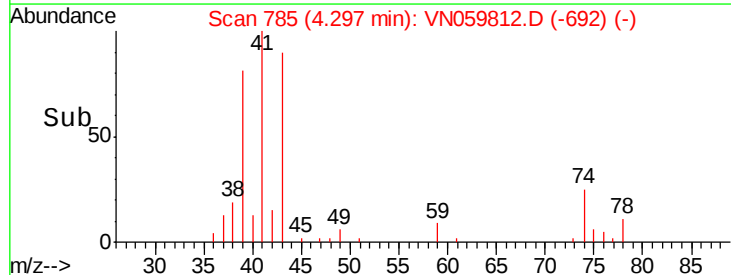
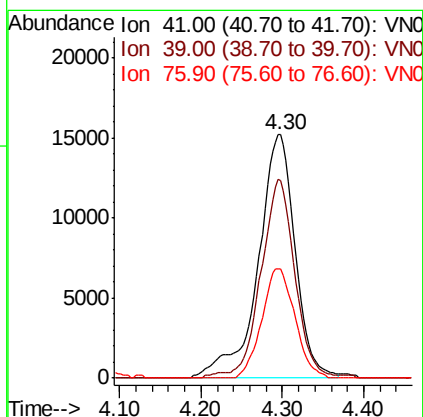
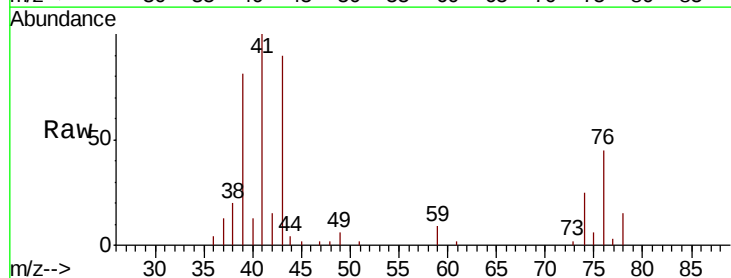
Instrument :
 MSVOA_N
 ClientSampled :

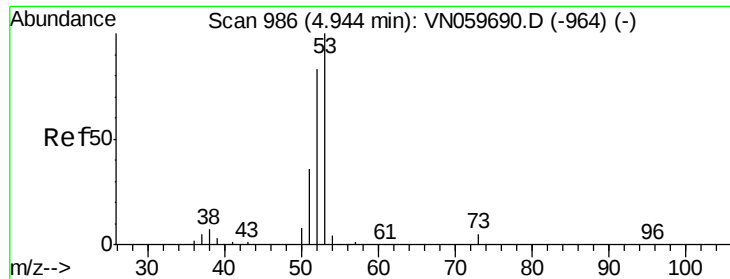
Tot Ion: 56 Resp: 11885
 Ion Ratio Lower Upper
 56 100
 55 68.0 58.6 88.0



#14
 Allyl chloride
 Concen: 17.763 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Tgt Ion: 41 Resp: 48369
 Ion Ratio Lower Upper
 41 100
 39 71.9 57.8 86.8
 76 40.2 25.4 38.0#





#15

Acrylonitrile

Concen: 79.458 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

ClientSampled :

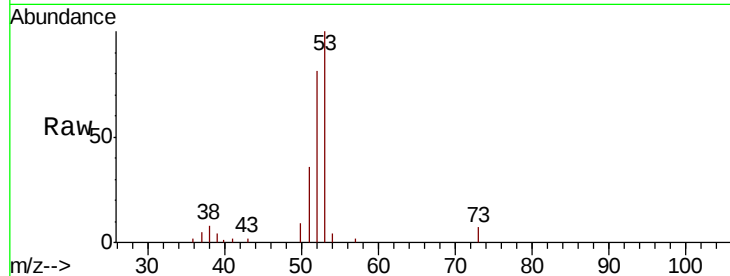
Tot Ion: 53 Resp: 74821

Ion Ratio Lower Upper

53 100

52 81.4 66.3 99.5

51 36.1 29.7 44.5



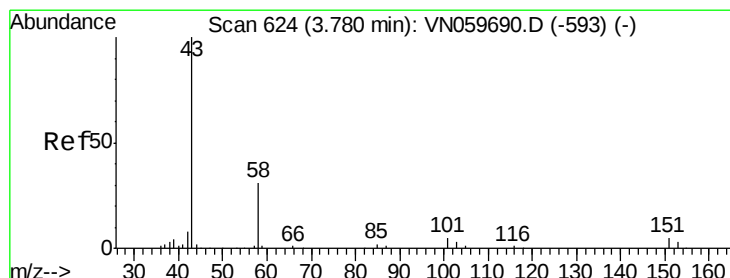
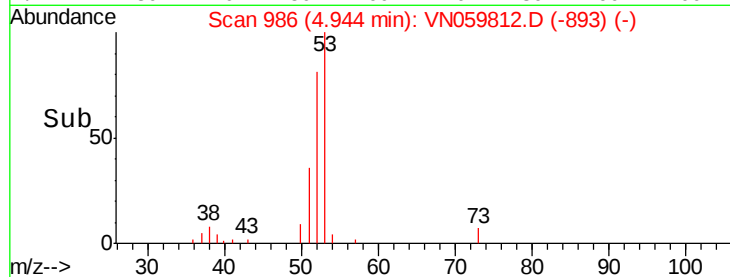
Abundance Ion 53.00 (52.70 to 53.70): VN059812.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN059812.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN059812.D (-964) (-)

4.94

Time-->



#16

Acetone

Concen: 83.965 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059812.D

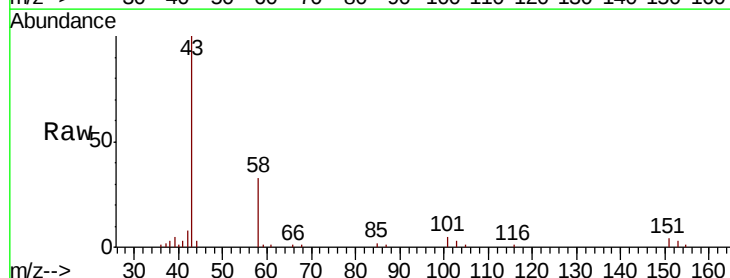
Acq: 21 Jan 2020 16:34

Tgt Ion: 43 Resp: 75785

Ion Ratio Lower Upper

43 100

58 33.3 23.6 35.4

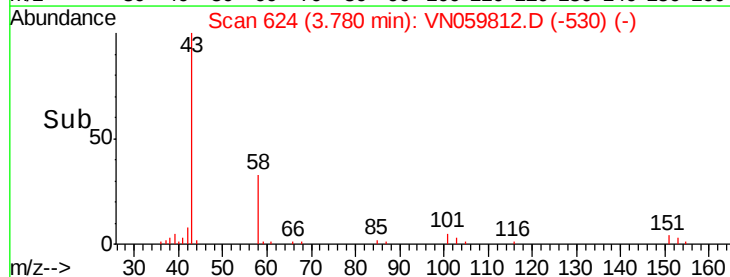


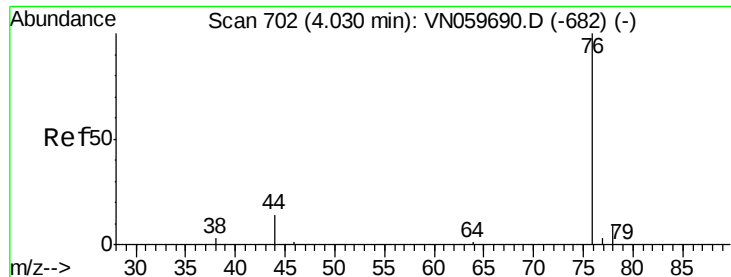
Abundance Ion 43.00 (42.70 to 43.70): VN059812.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059812.D (-530) (-)

3.78

Time-->

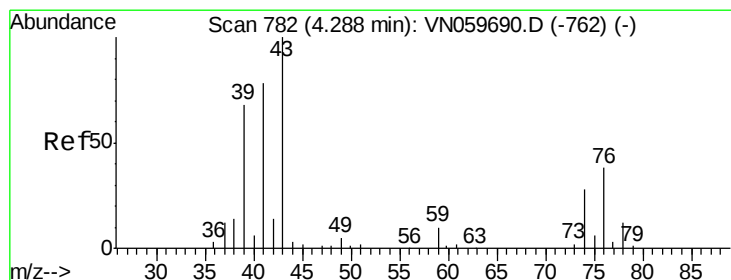
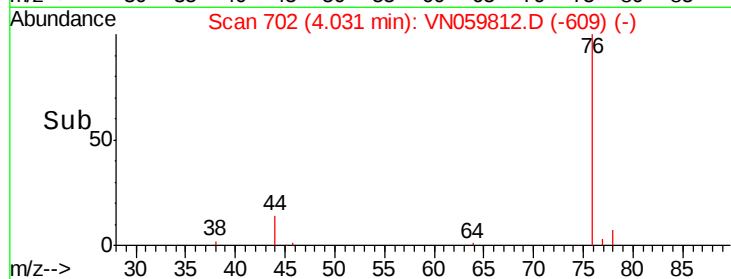
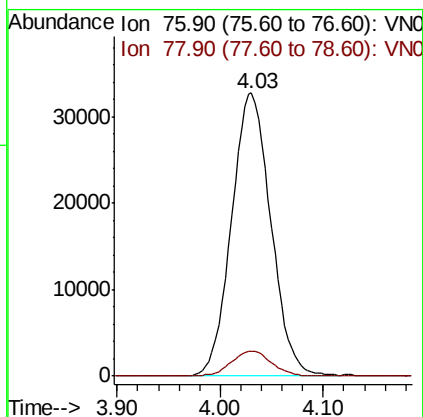
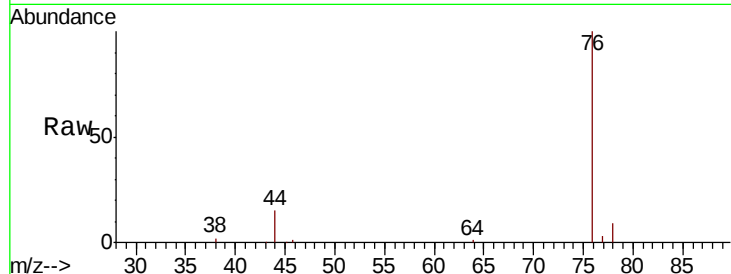




#17
Carbon Disulfide
Concen: 15.083 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

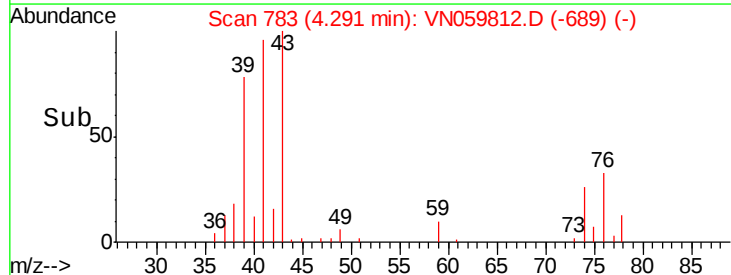
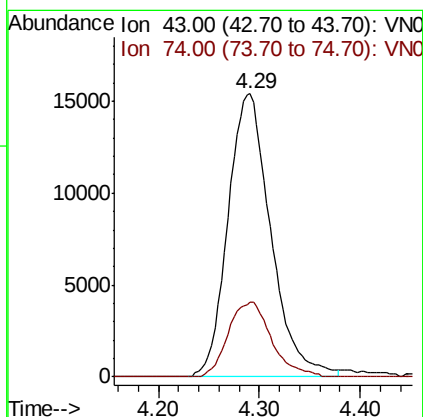
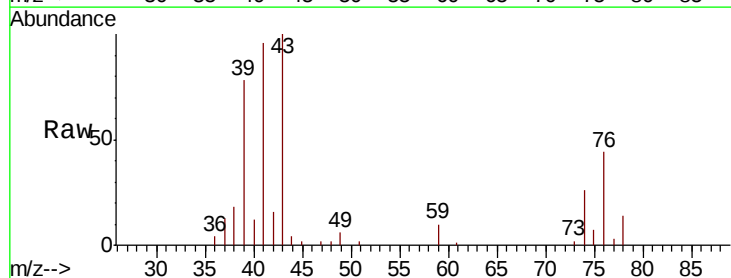
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 86800
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 15.877 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 43 Resp: 45475
Ion Ratio Lower Upper
43 100
74 26.7 17.5 26.3#

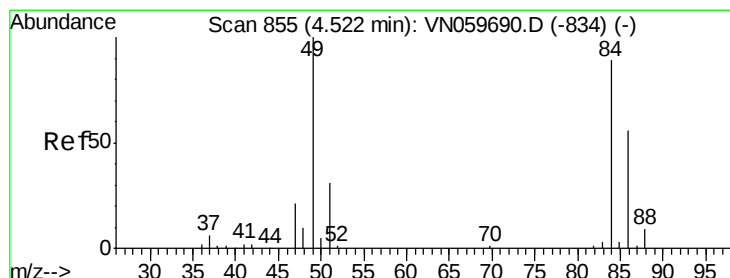
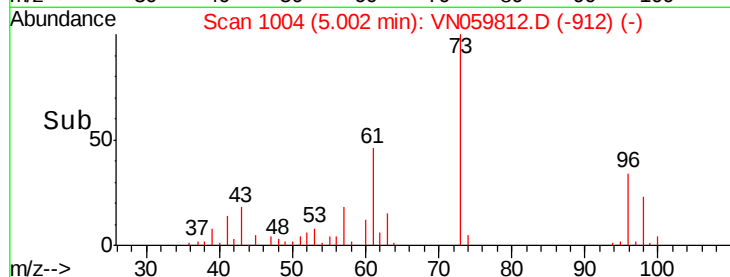
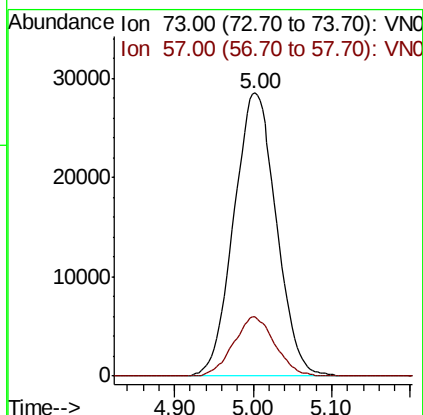
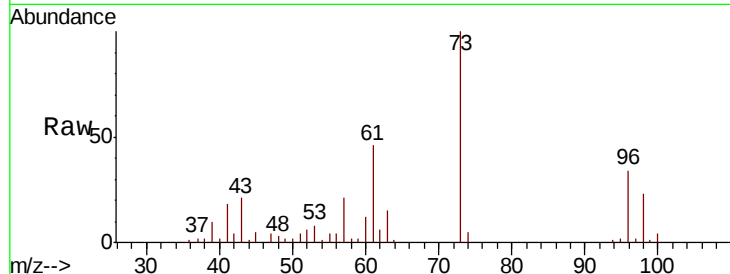




#19
Methvl tert-butvl Ether
Concen: 16.388 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

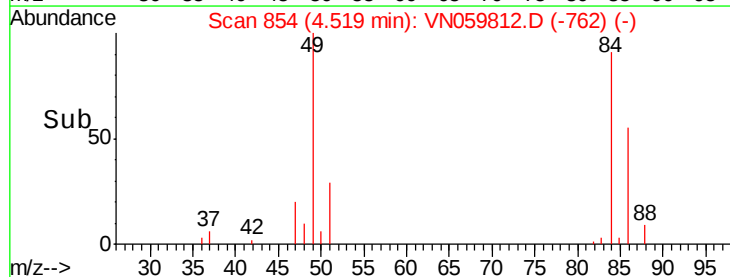
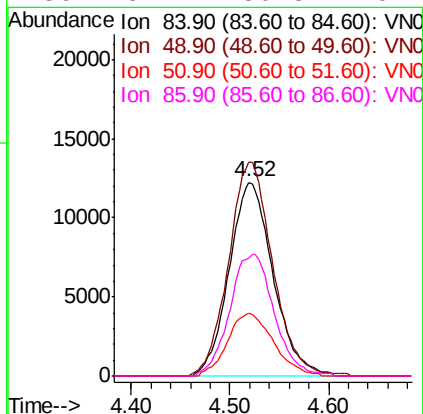
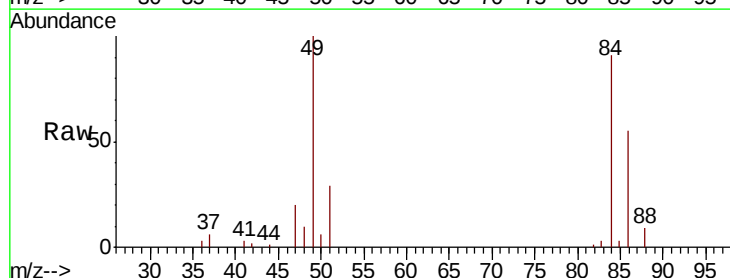
Instrument :
MSVOA_N
ClientSampleId :

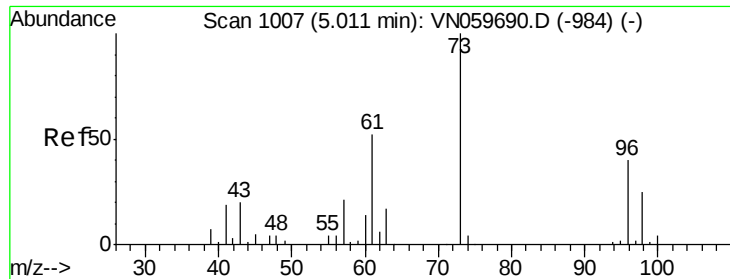
Tot Ion: 73 Resp: 107945
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8



#20
Methylene Chloride
Concen: 16.185 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 84 Resp: 37849
Ion Ratio Lower Upper
84 100
49 110.4 106.6 160.0
51 32.3 31.9 47.9
86 61.2 50.8 76.2

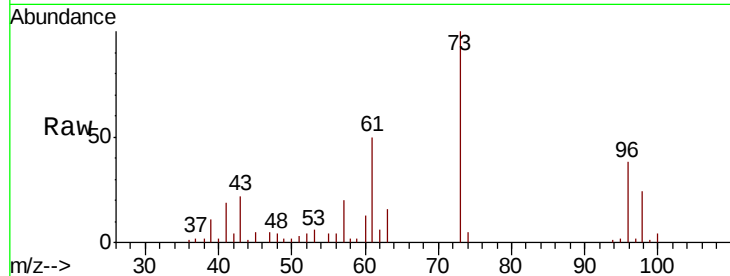




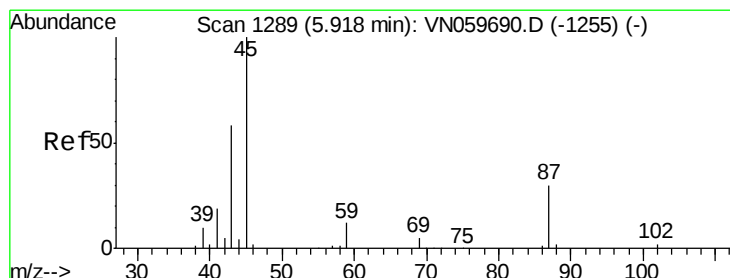
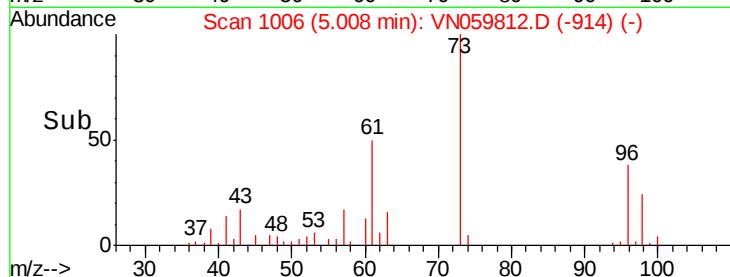
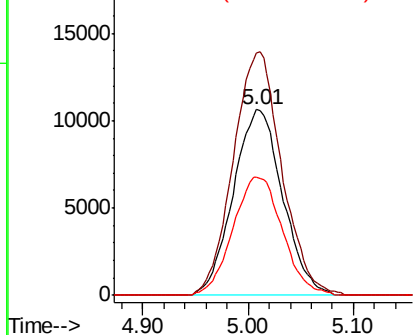
#21
trans-1,2-Dichloroethene
Concen: 16.099 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 34572
Ion Ratio Lower Upper
96 100
61 130.4 120.4 180.6
98 63.8 50.6 75.8

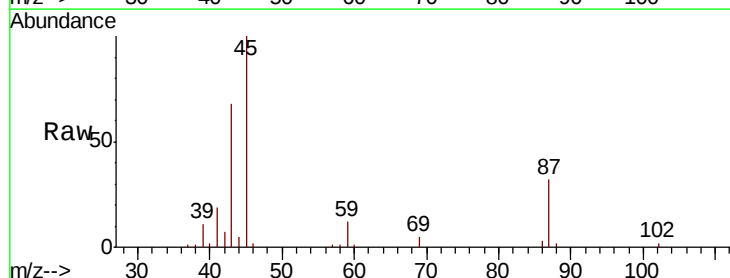


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

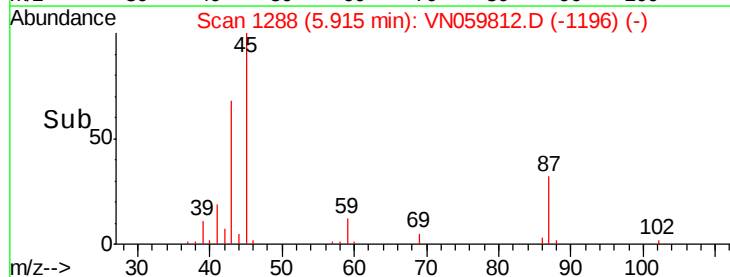
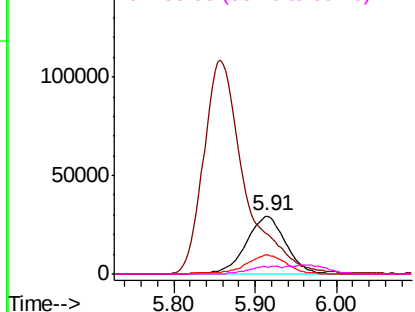


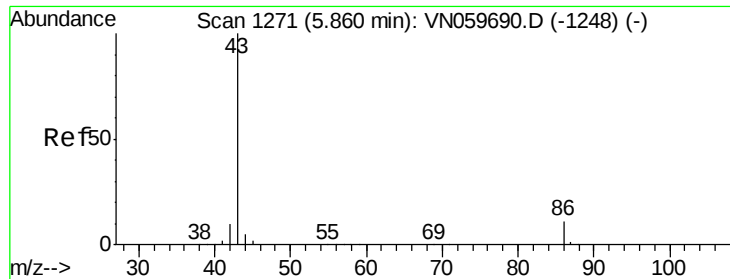
#22
Diisopropyl ether
Concen: 15.978 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 45 Resp: 98594
Ion Ratio Lower Upper
45 100
43 64.4 50.8 76.2
87 32.5 21.0 31.6#
59 12.0 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 79.683 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

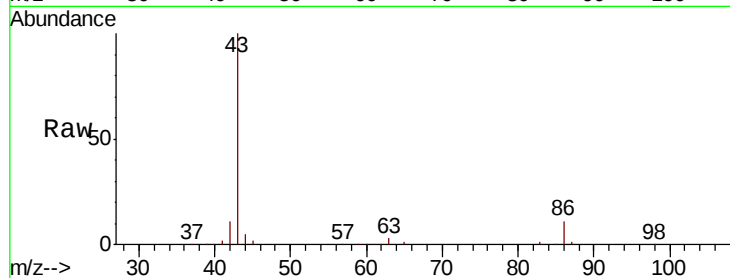
ClientSampled :

Tot Ion: 43 Resp: 380696

Ion Ratio Lower Upper

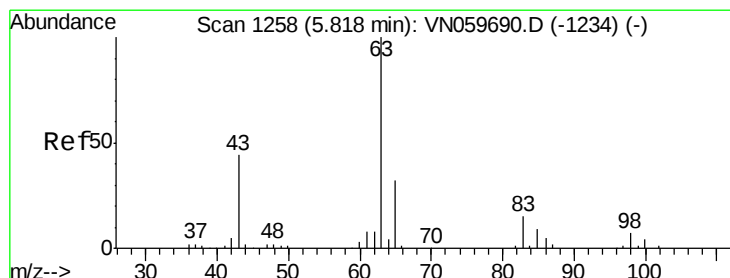
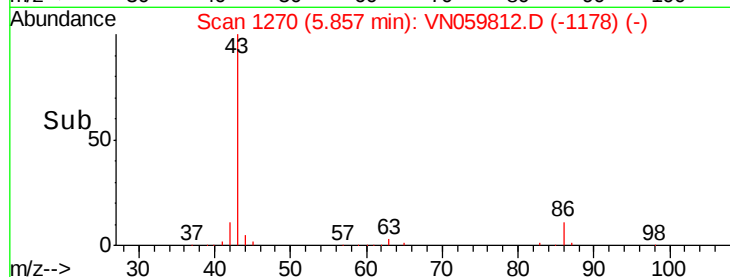
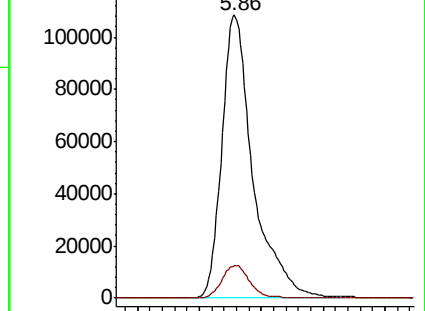
43 100

86 11.5 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059812.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059812.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 16.138 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

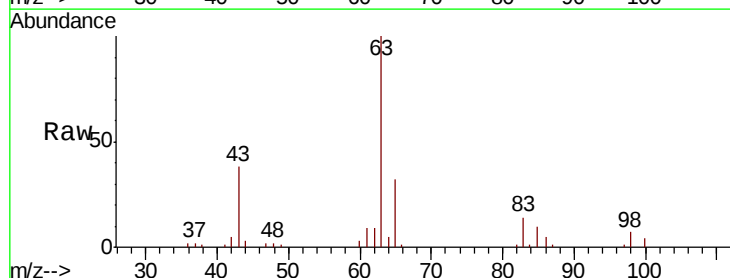
Tgt Ion: 63 Resp: 60846

Ion Ratio Lower Upper

63 100

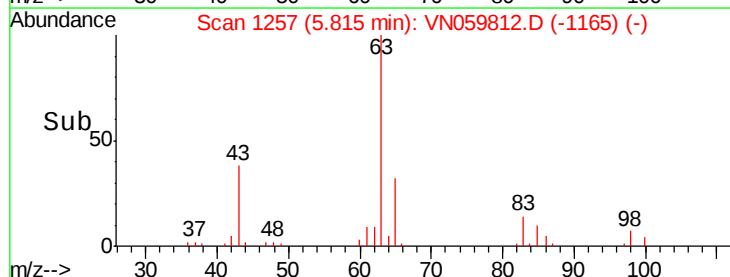
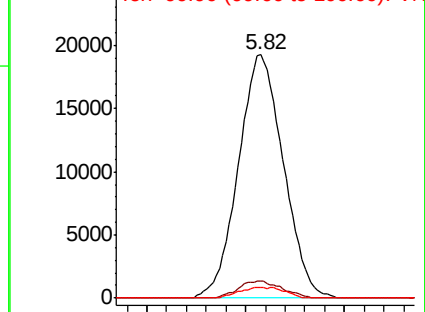
98 7.2 2.9 8.7

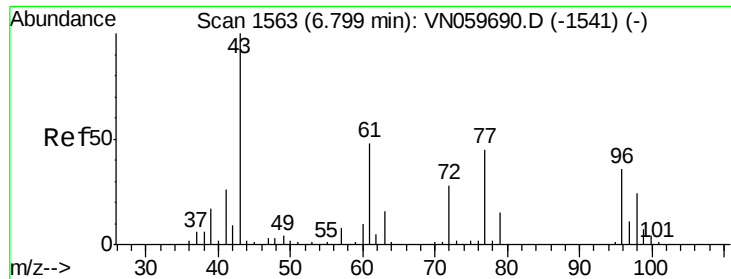
100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059812.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059812.D (-1165) (-)

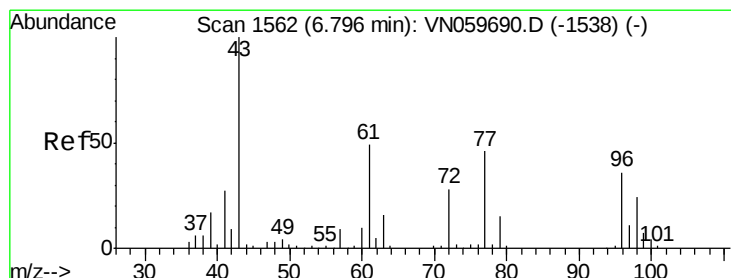
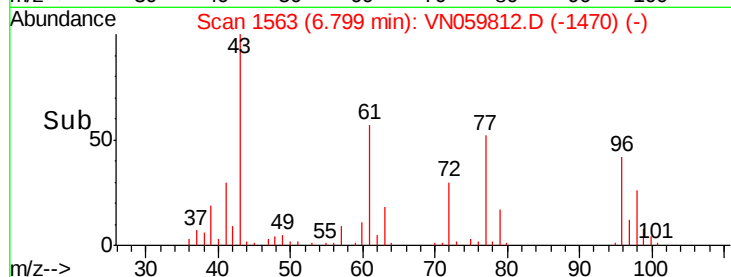
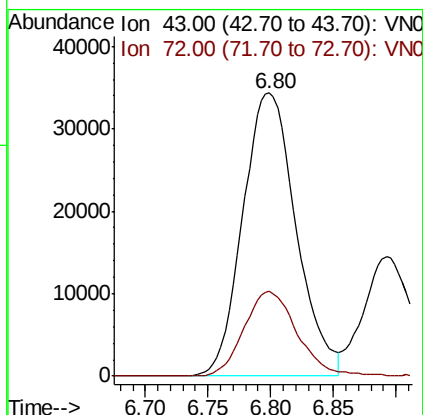
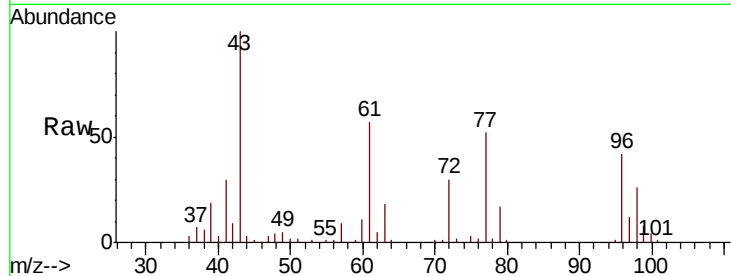




#25
2-Butanone
Concen: 73.258 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

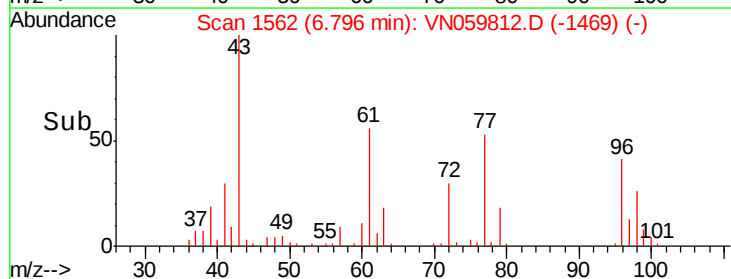
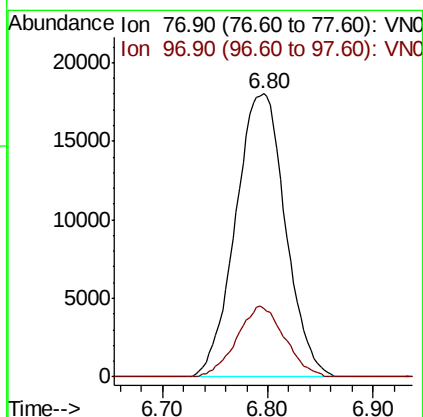
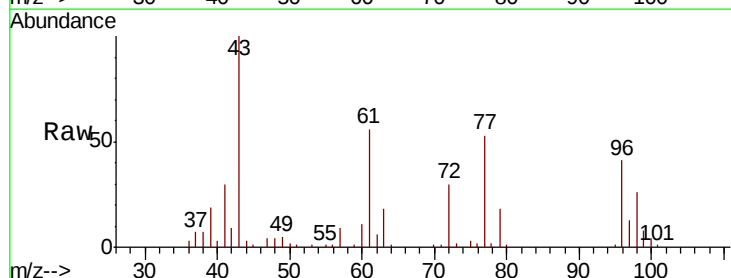
Instrument :
MSVOA_N
ClientSampled :

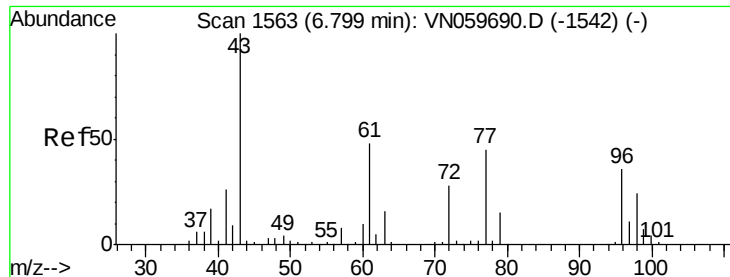
Tot Ion: 43 Resp: 101729
Ion Ratio Lower Upper
43 100
72 29.9 19.9 29.9



#26
2,2-Dichloropropane
Concen: 16.358 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 77 Resp: 59294
Ion Ratio Lower Upper
77 100
97 23.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 16.700 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

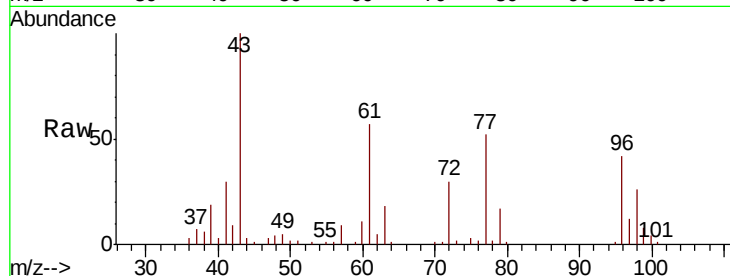
Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 41247

Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	317.6
98	63.8	0.0	127.0

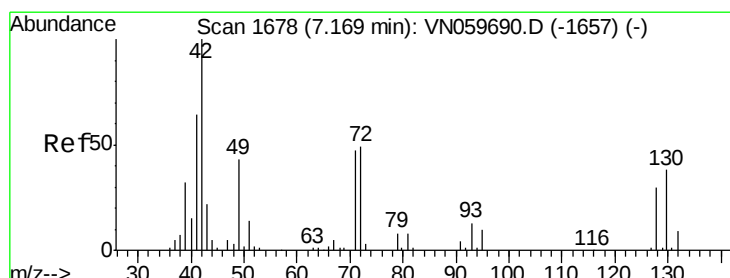
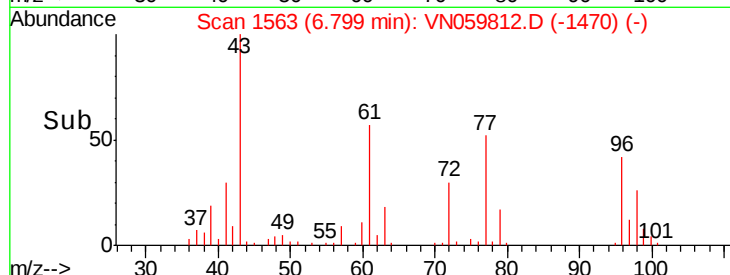
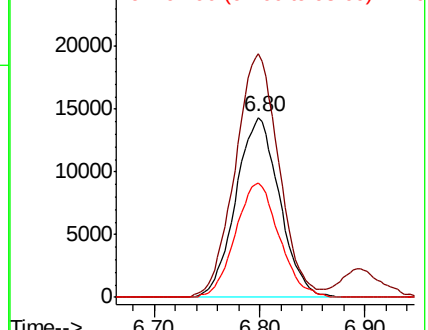


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.592 ug/l

RT: 7.17 min Scan# 1677

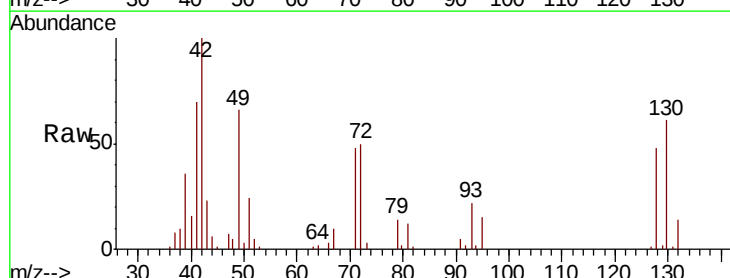
Delta R.T. -0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Tgt Ion: 49 Resp: 31032

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	93.1	54.7	82.1#

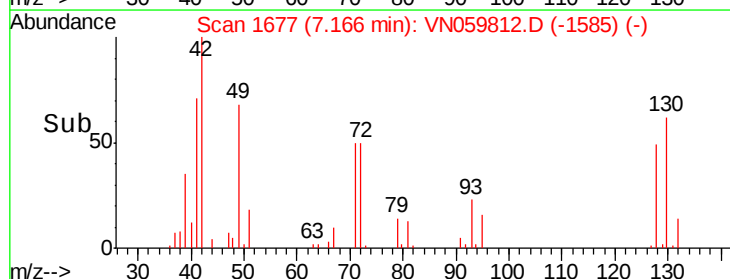
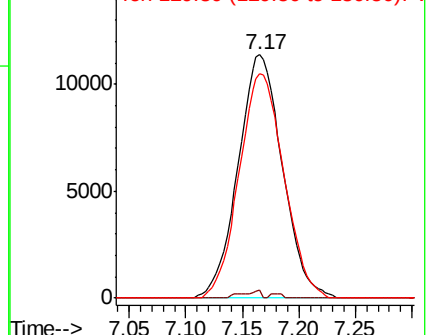


Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

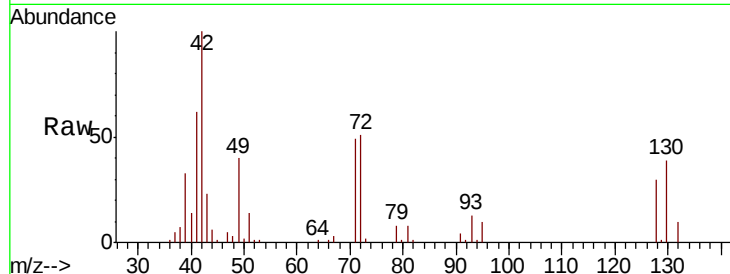




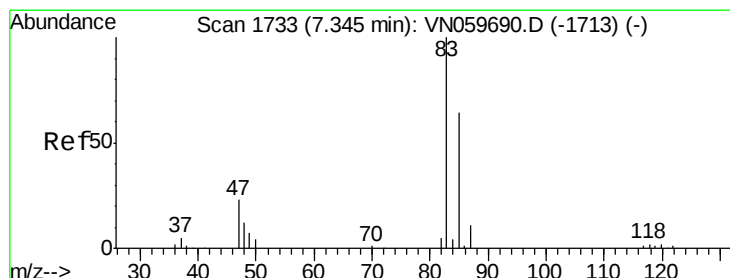
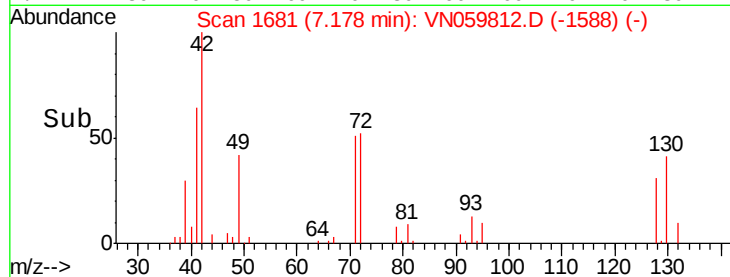
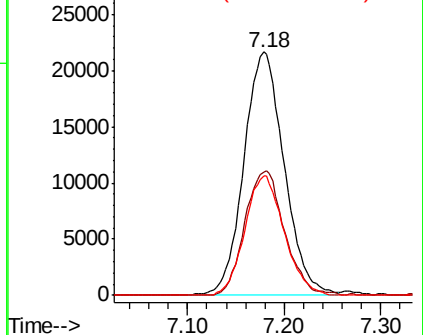
#29
Tetrahydrofuran
Concen: 73.199 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 62891
Ion Ratio Lower Upper
42 100
72 50.4 33.1 49.7#
71 47.3 31.4 47.0#

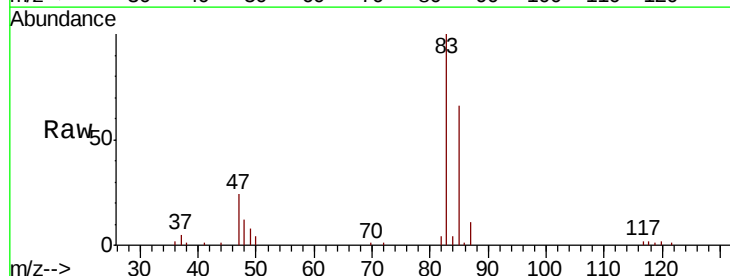


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

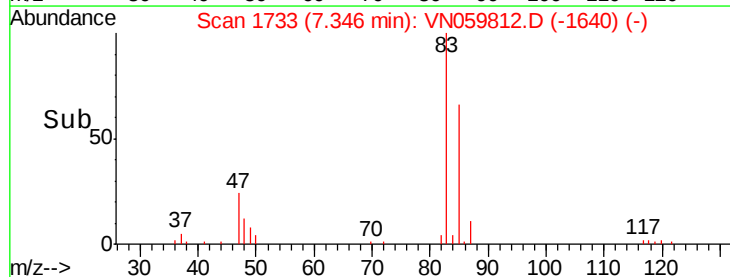
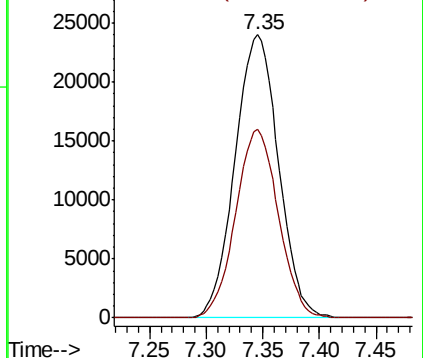


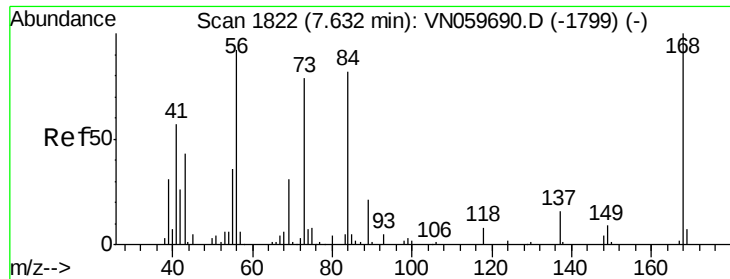
#30
Chloroform
Concen: 16.454 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 83 Resp: 64280
Ion Ratio Lower Upper
83 100
85 66.5 52.4 78.6



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

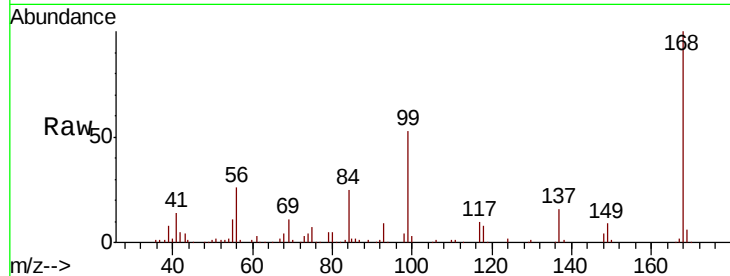




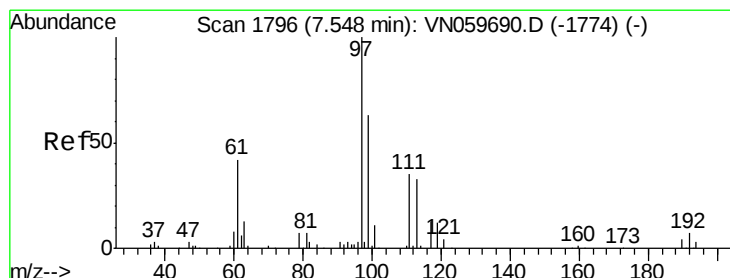
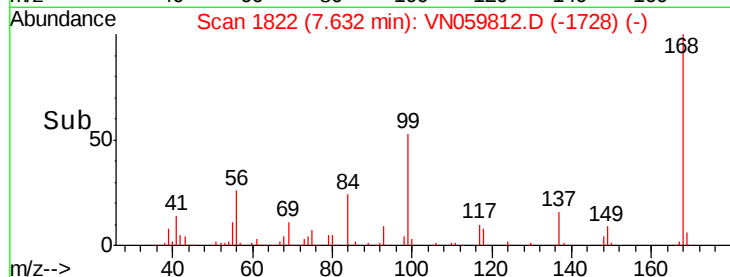
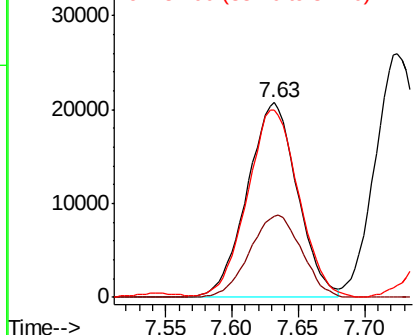
#31
Cyclohexane
Concen: 15.122 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 54866
Ion Ratio Lower Upper
56 100
69 41.8 26.5 39.7#
84 95.5 65.3 97.9

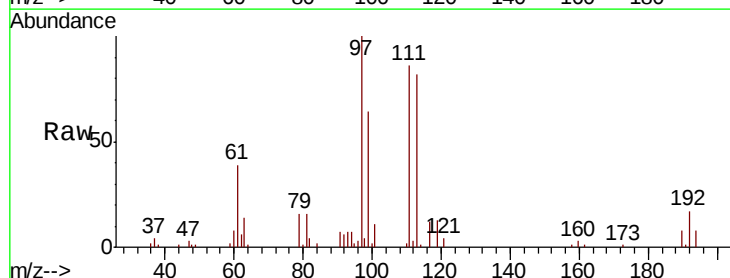


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

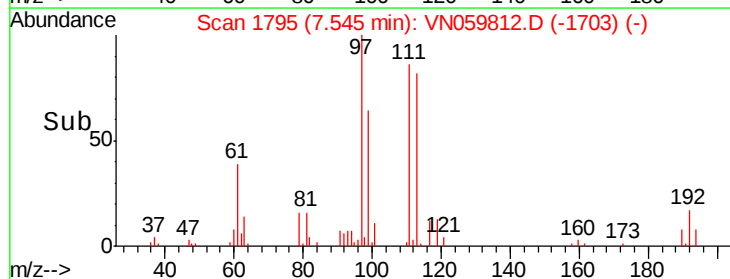
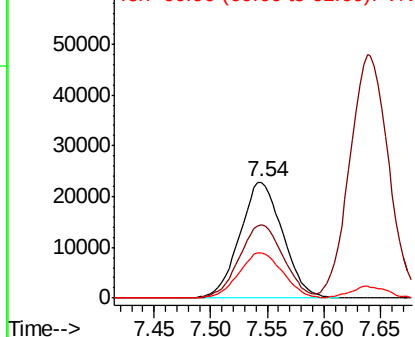


#32
1,1,1-Trichloroethane
Concen: 16.674 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 97 Resp: 60229
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 40.3 38.5 57.7



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

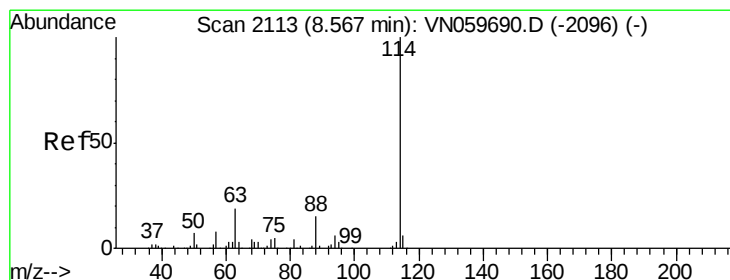
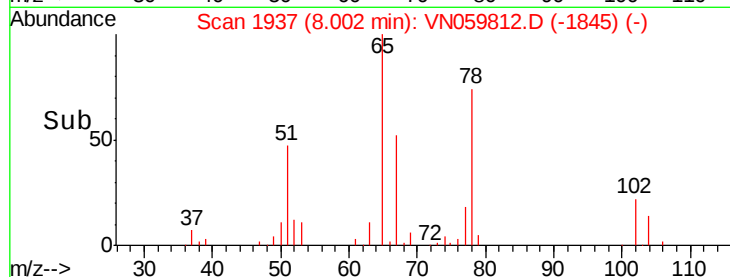
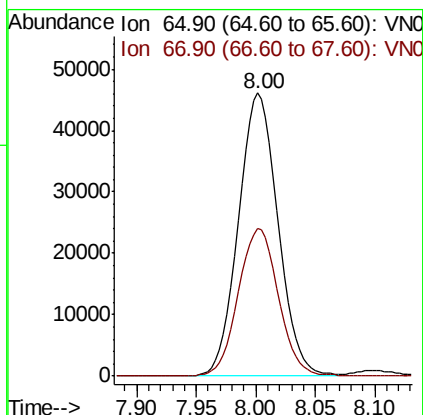
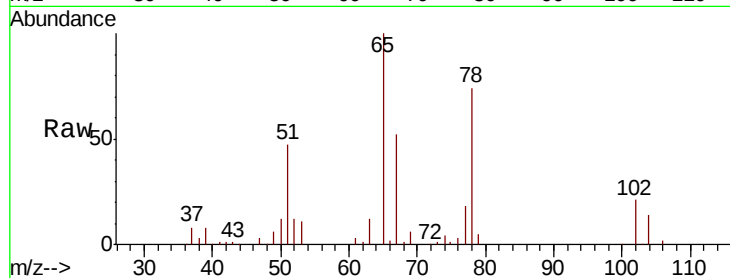




#33
 1,2-Dichloroethane-d4
 Concen: 43.299 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

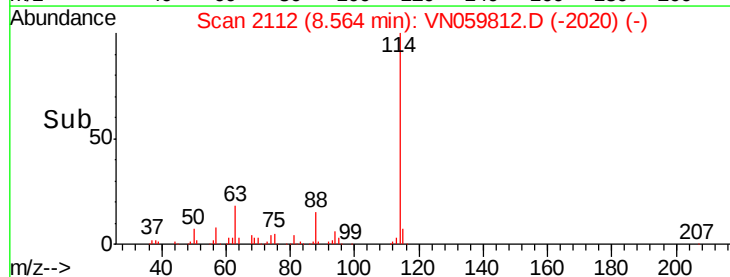
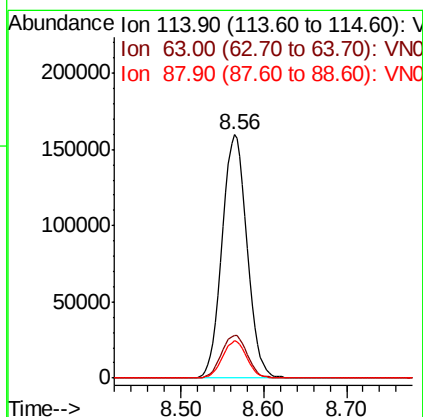
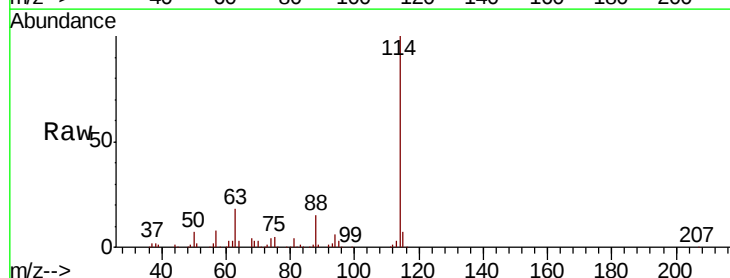
Instrument :
 MSVOA_N
 ClientSampled :

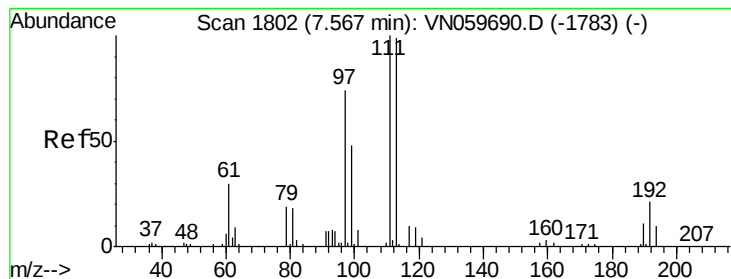
Tot Ion: 65 Resp: 106175
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Tgt Ion: 114 Resp: 333789
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 43.6
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.780 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :

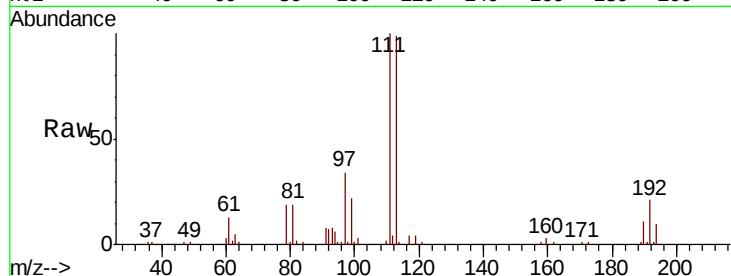
Tot Ion:113 Resp: 91127

Ion Ratio Lower Upper

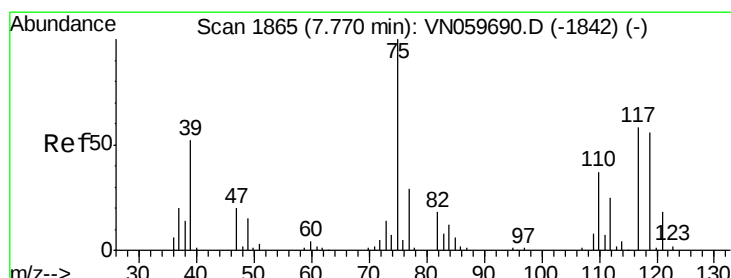
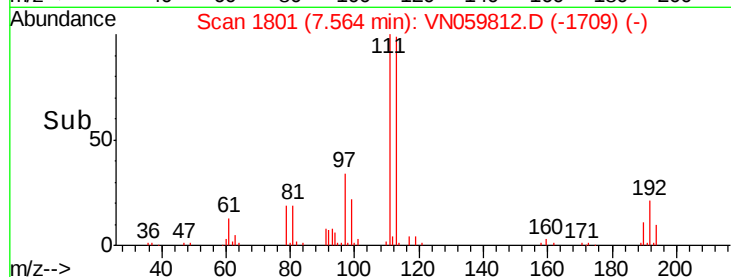
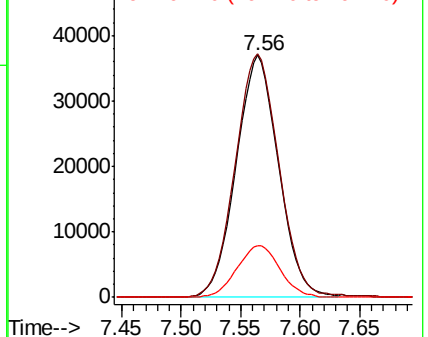
113 100

111 103.8 83.5 125.3

192 21.7 15.4 23.2



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: 16.180 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

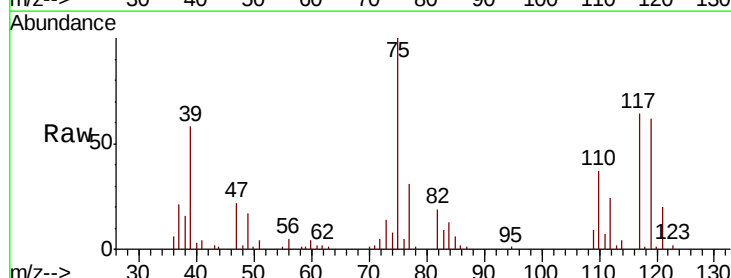
Tgt Ion: 75 Resp: 47030

Ion Ratio Lower Upper

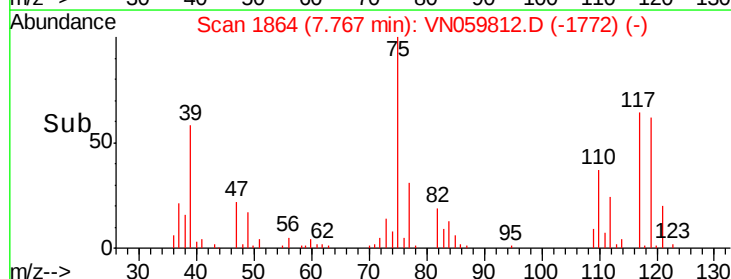
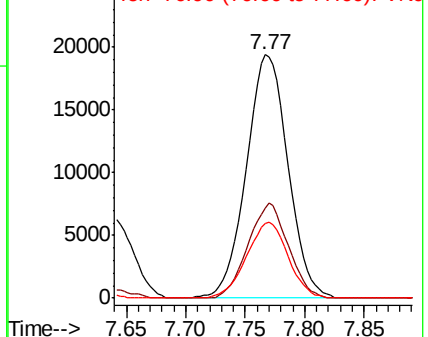
75 100

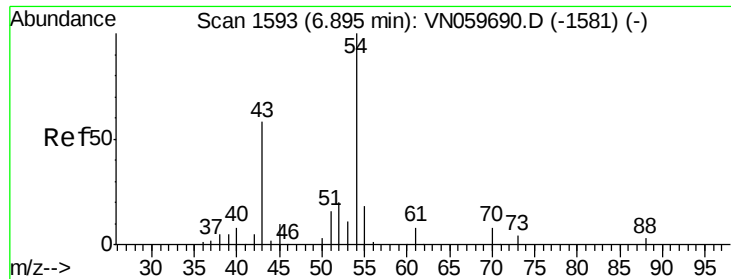
110 37.6 16.6 49.7

77 31.1 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

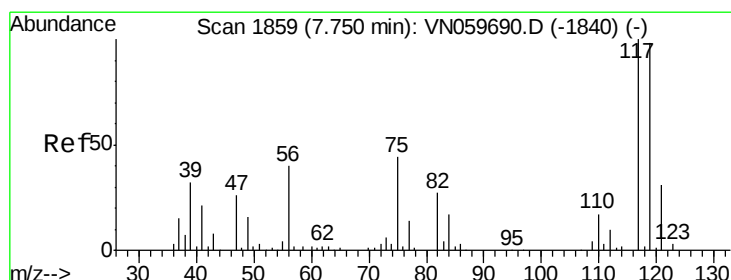
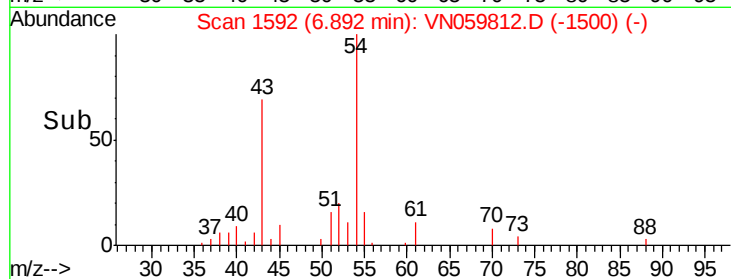
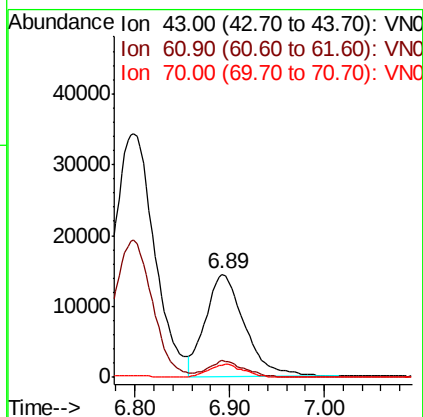
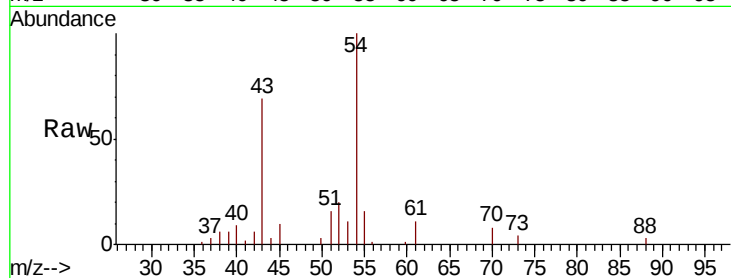




#37
Ethyl Acetate
Concen: 15.209 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

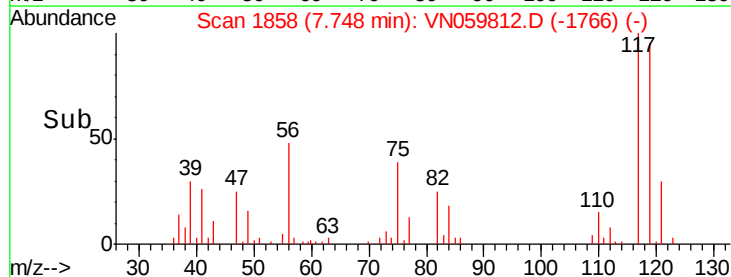
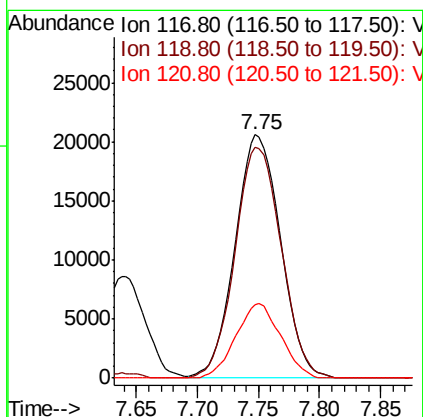
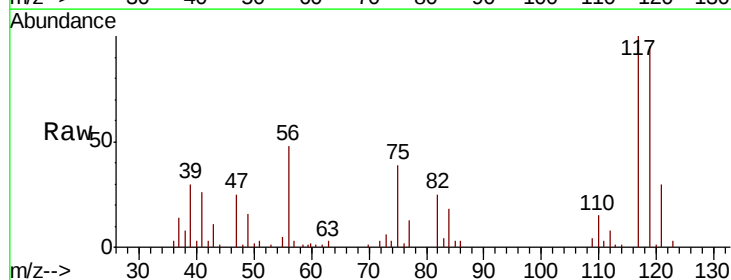
Instrument :
MSVOA_N
ClientSampled :

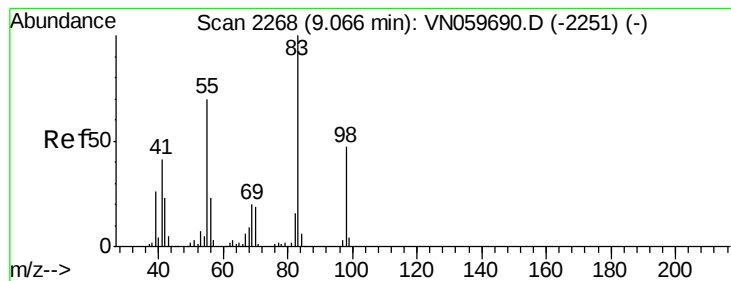
Tot Ion: 43 Resp: 41463
Ion Ratio Lower Upper
43 100
61 14.7 10.9 16.3
70 11.3 7.7 11.5



#38
Carbon Tetrachloride
Concen: 16.815 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 117 Resp: 53167
Ion Ratio Lower Upper
117 100
119 94.6 76.5 114.7
121 30.1 25.1 37.7





#39

Methvlcvclohexane

Concen: 16.304 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

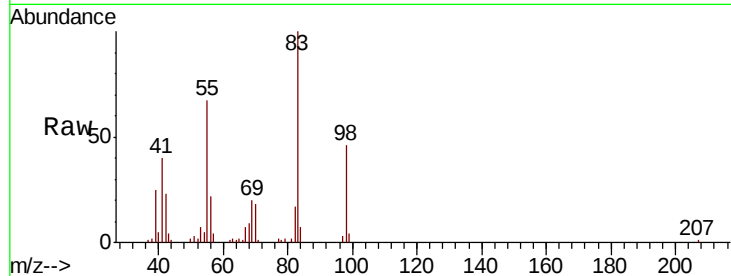
Tot Ion: 83 Resp: 58437

Ion Ratio Lower Upper

83 100

55 67.5 64.2 96.2

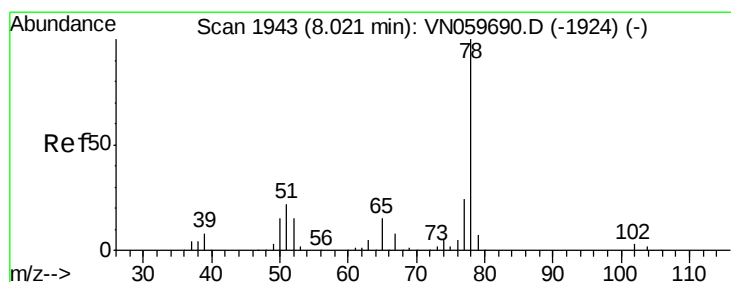
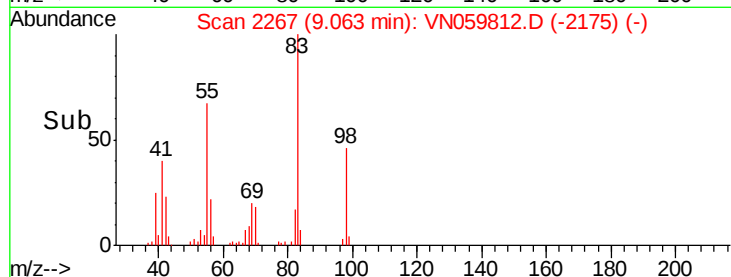
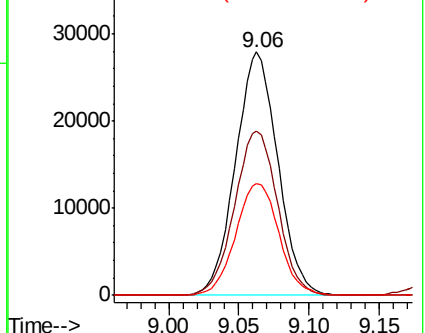
98 46.0 35.9 53.9



Abundance Ion 83.00 (82.70 to 83.70): VN059812.D (-1850) (-)

Ion 55.00 (54.70 to 55.70): VN059812.D (-1850) (-)

Ion 98.00 (97.70 to 98.70): VN059812.D (-1850) (-)



#40

Benzene

Concen: 16.380 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN059812.D

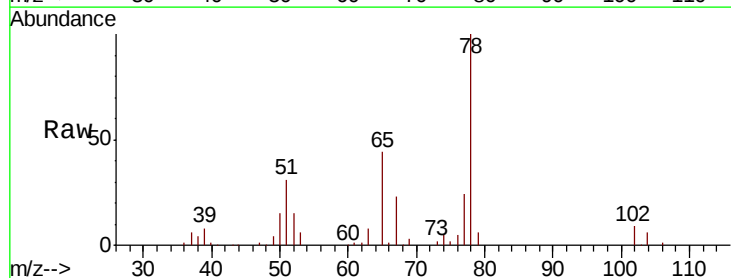
Acq: 21 Jan 2020 16:34

Tgt Ion: 78 Resp: 141994

Ion Ratio Lower Upper

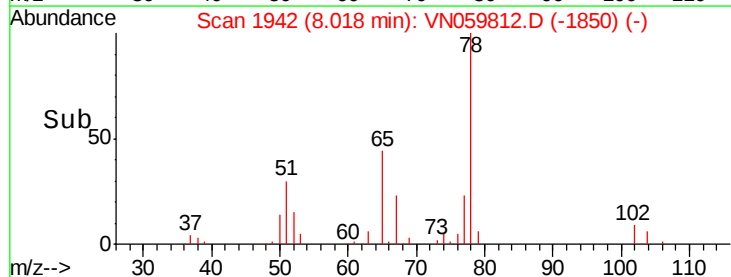
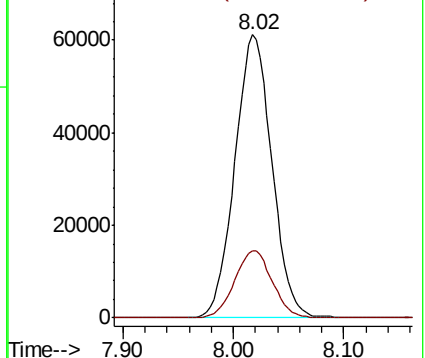
78 100

77 23.7 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN059812.D (-1850) (-)

Ion 77.00 (76.70 to 77.70): VN059812.D (-1850) (-)

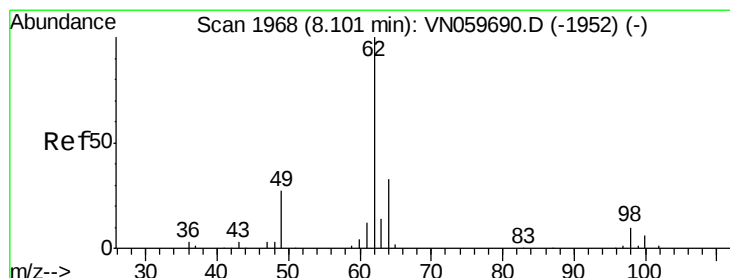
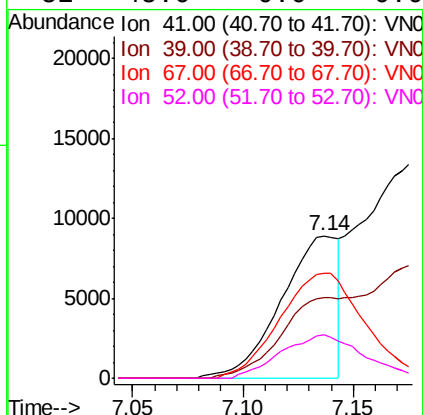
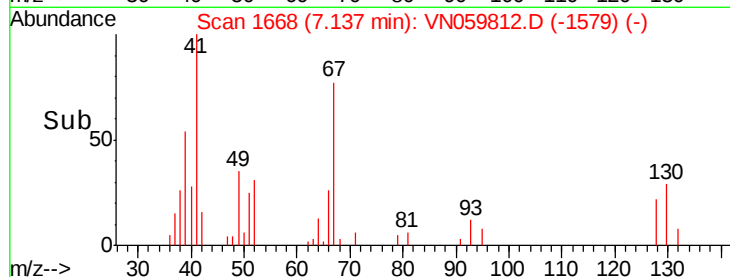
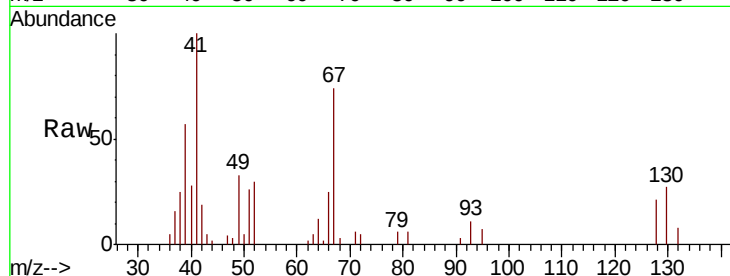




#41
Methacrylonitrile
Concen: 11.922 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

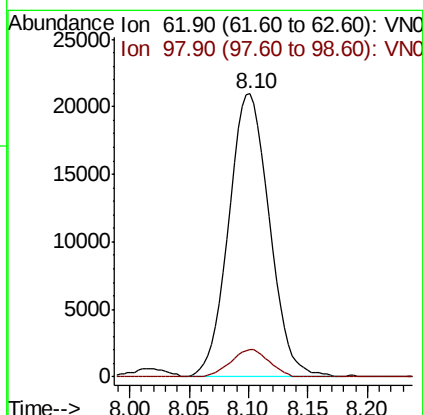
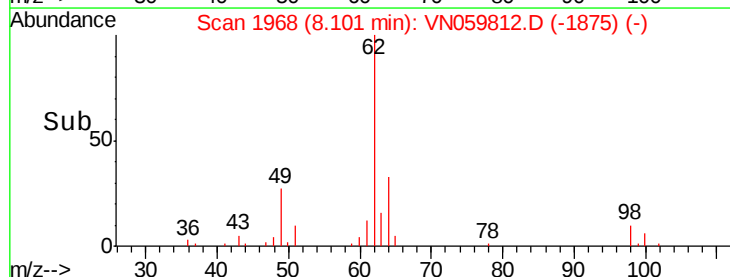
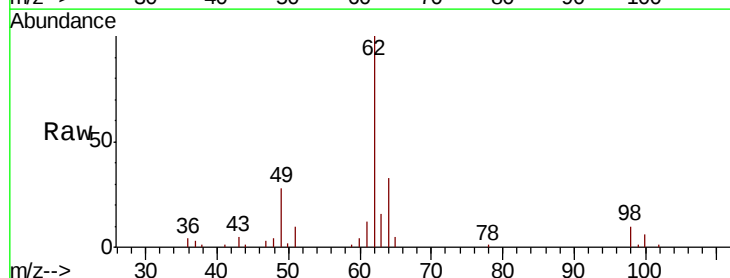
Instrument :
MSVOA_N
ClientSampled :

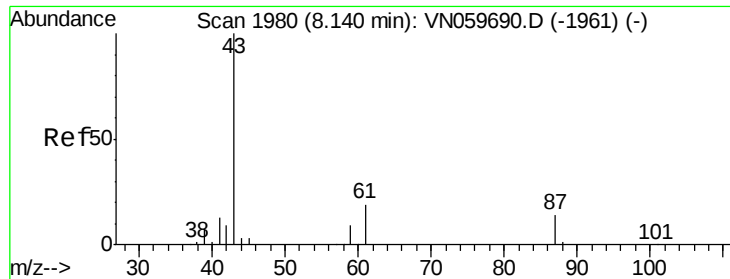
Tot Ion: 41 Resp: 16009
Ion Ratio Lower Upper
41 100
39 56.7 0.0 0.0#
67 110.7 0.0 0.0#
52 45.0 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 16.928 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 62 Resp: 49755
Ion Ratio Lower Upper
62 100
98 9.1 0.0 15.8



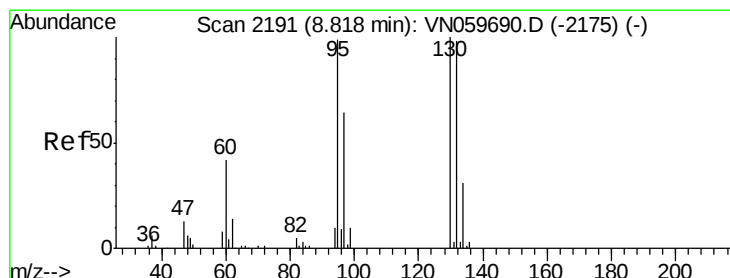
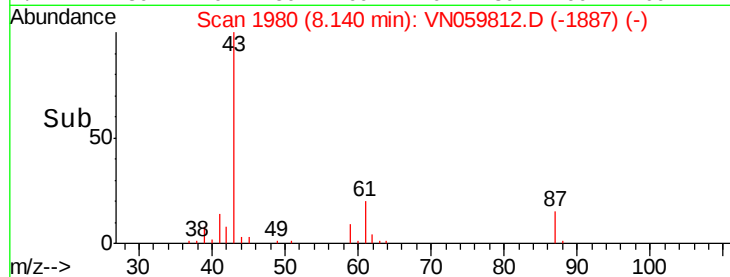
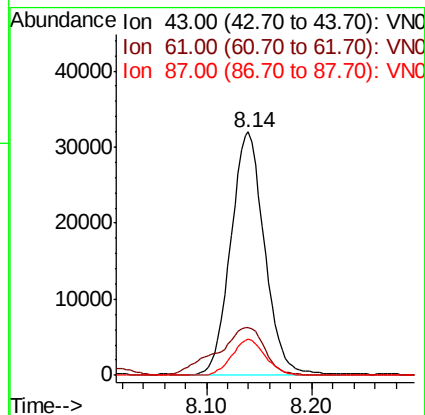
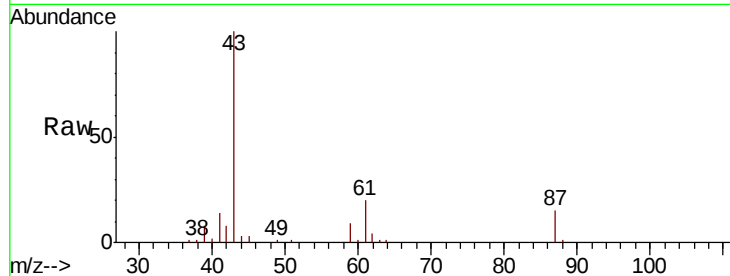


#43

Isopropyl Acetate
 Concen: 15.162 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Instrument :
 MSVOA_N
 ClientSampleId :

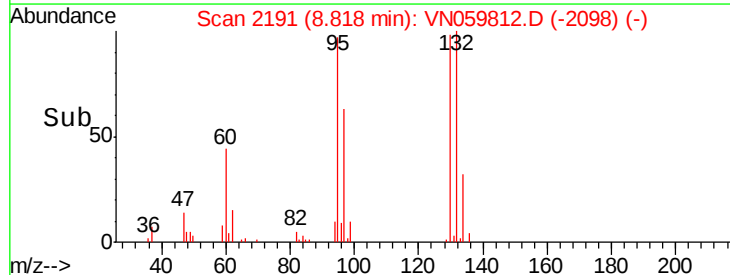
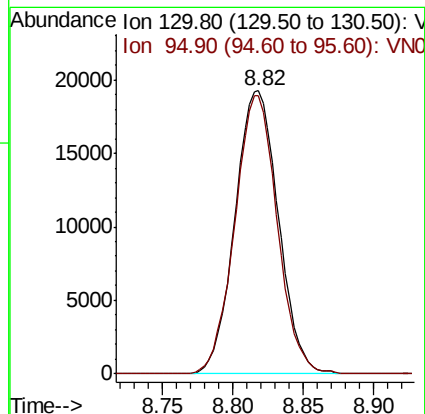
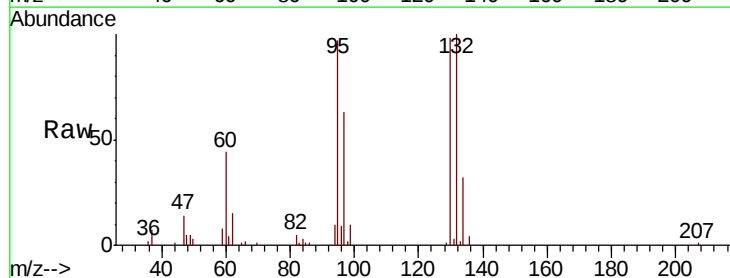
Tot Ion: 43 Resp: 71101
 Ion Ratio Lower Upper
 43 100
 61 27.7 20.2 30.2
 87 14.5 9.5 14.3#

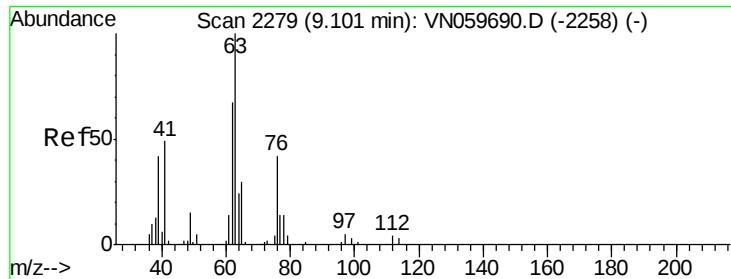


#44

Trichloroethene
 Concen: 17.563 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Tgt Ion:130 Resp: 41563
 Ion Ratio Lower Upper
 130 100
 95 98.1 0.0 207.0





#45

1,2-Dichloropropane

Concen: 16.787 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

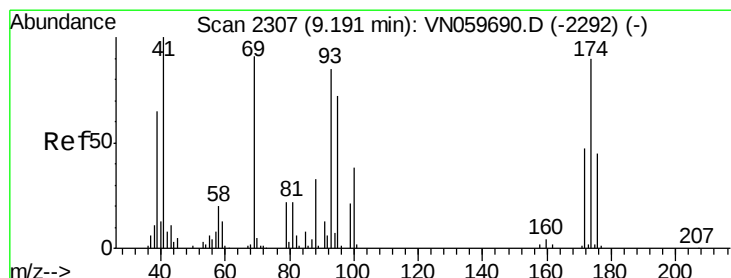
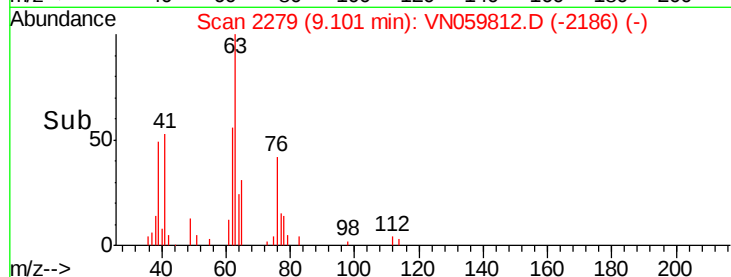
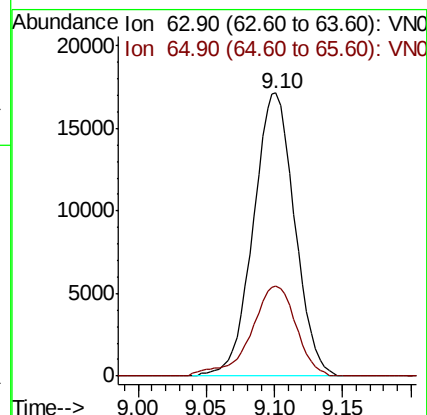
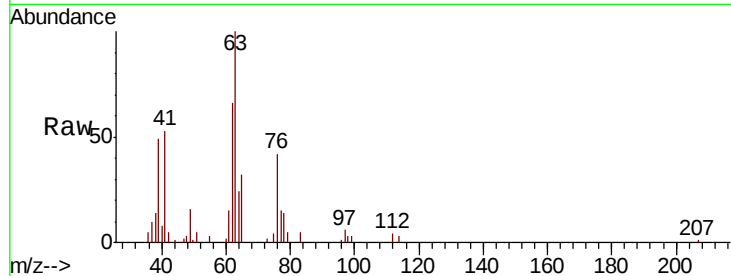
ClientSampleId :

Tot Ion: 63 Resp: 36010

Ion Ratio Lower Upper

63 100

65 31.8 24.9 37.3



#46

Dibromomethane

Concen: 16.789 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

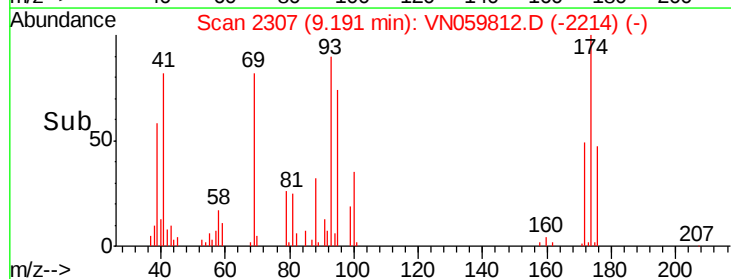
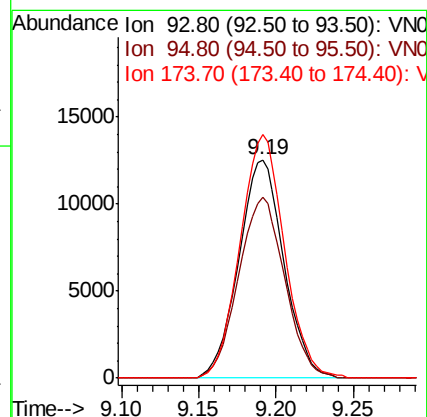
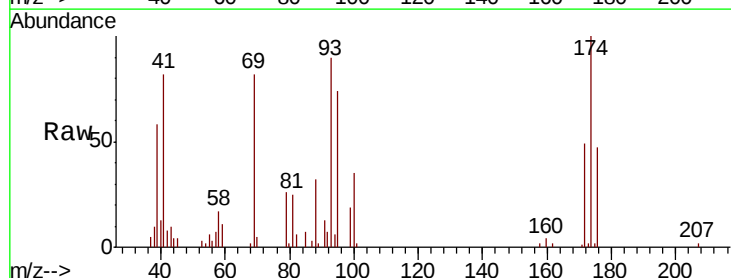
Tgt Ion: 93 Resp: 25405

Ion Ratio Lower Upper

93 100

95 84.6 67.0 100.6

174 110.1 73.4 110.2

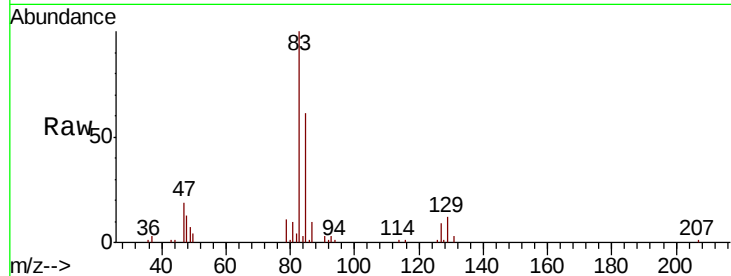




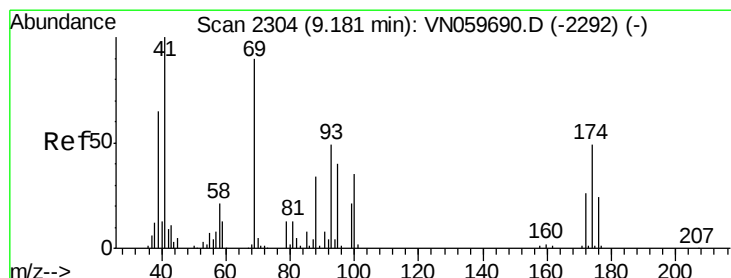
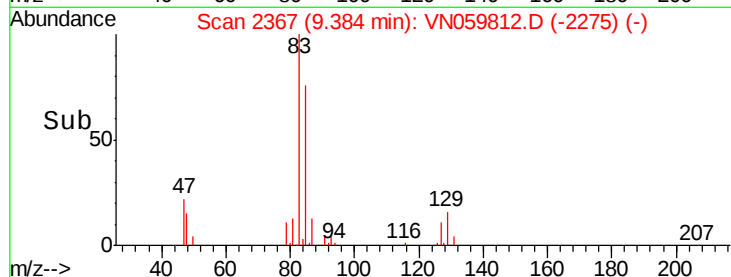
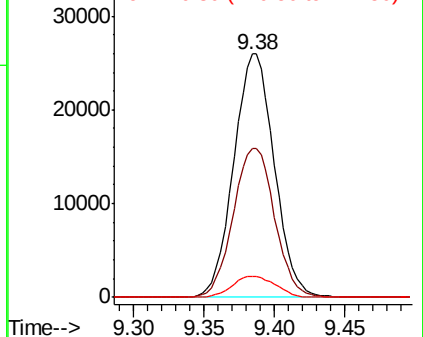
#47
Bromodichloromethane
Concen: 17.117 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 52196
Ion Ratio Lower Upper
83 100
85 61.0 51.1 76.7
127 8.8 6.6 9.8

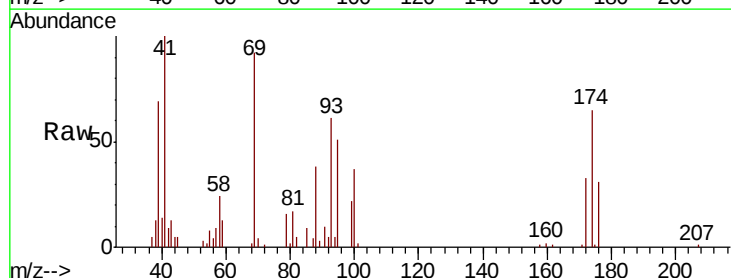


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

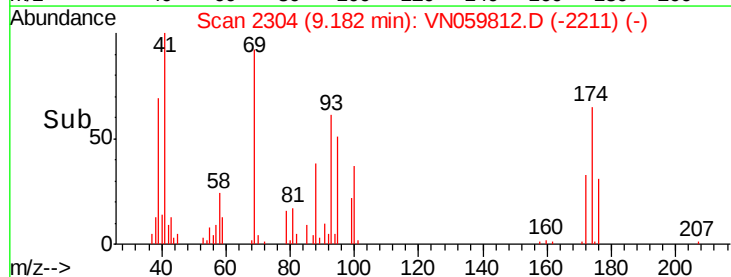
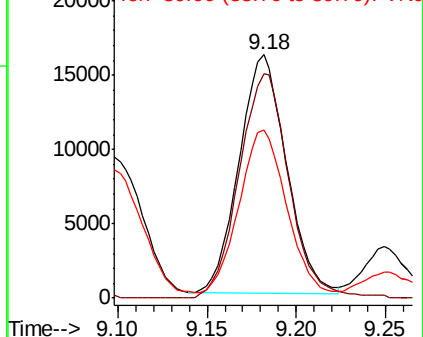


#48
Methyl methacrylate
Concen: 14.242 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 41 Resp: 29872
Ion Ratio Lower Upper
41 100
69 98.6 64.4 96.6#
39 72.8 51.3 76.9



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

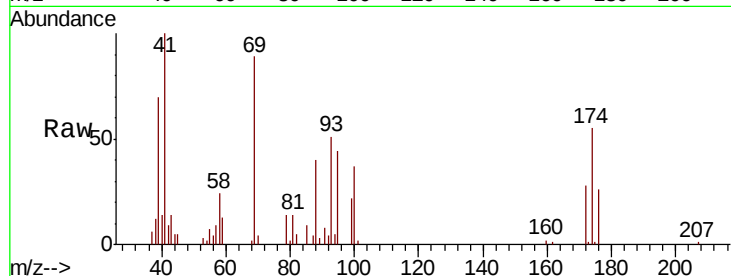




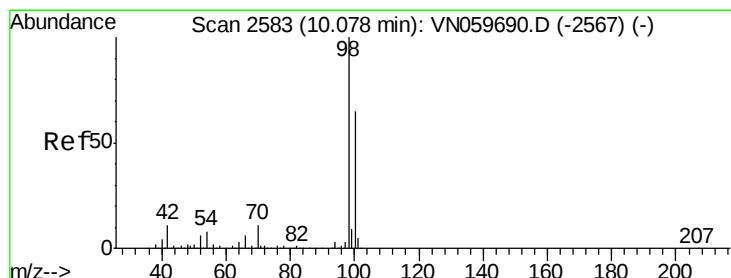
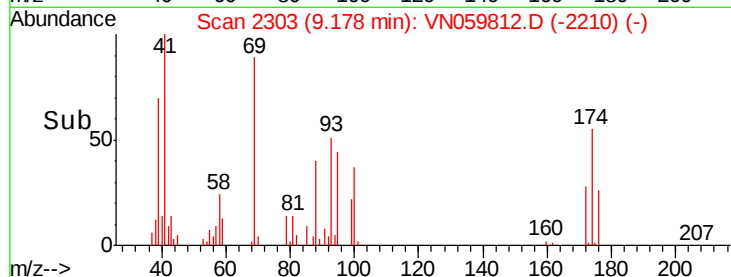
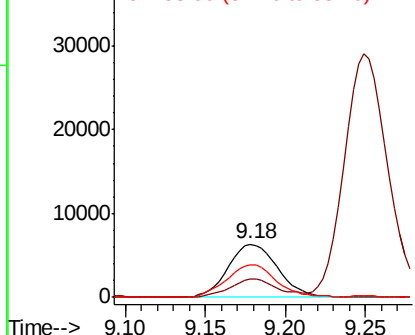
#49
1,4-Dioxane
Concen: 348.663 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 13388
Ion Ratio Lower Upper
88 100
43 33.0 29.7 44.5
58 61.1 56.6 85.0

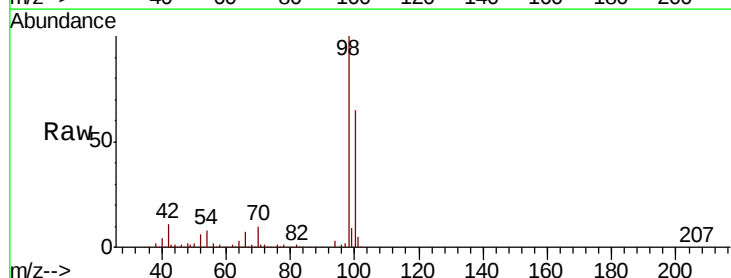


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

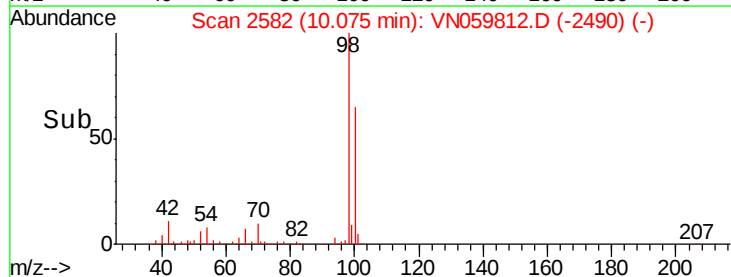
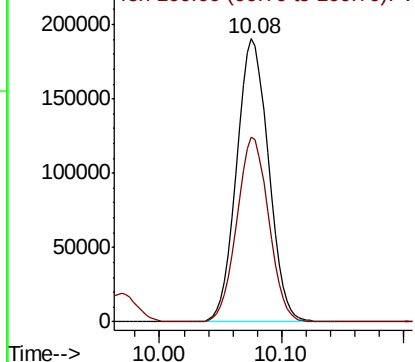


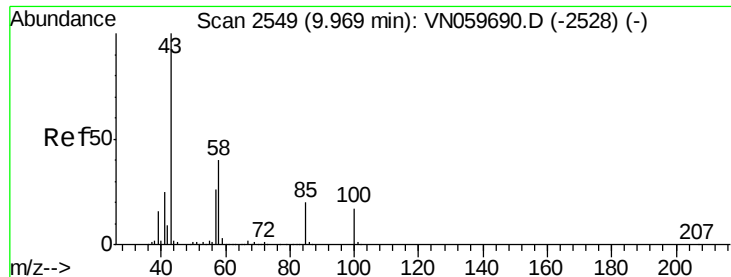
#50
Toluene-d8
Concen: 44.674 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 98 Resp: 344540
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8



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

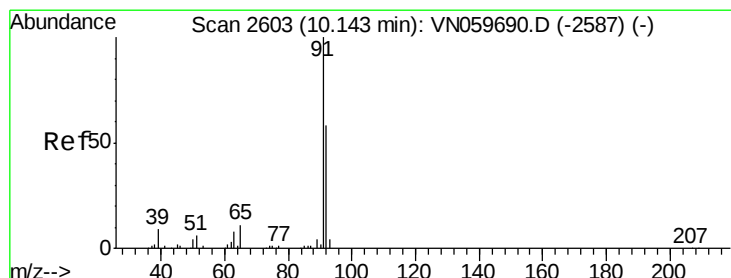
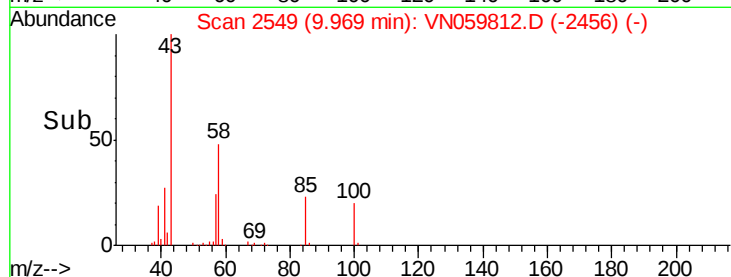
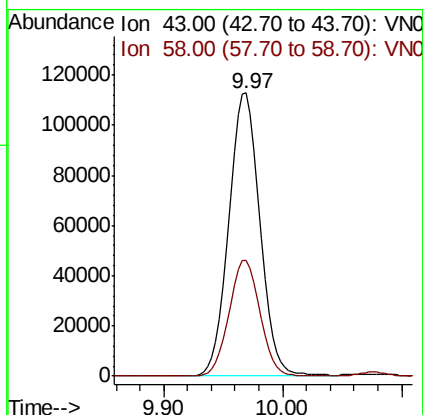
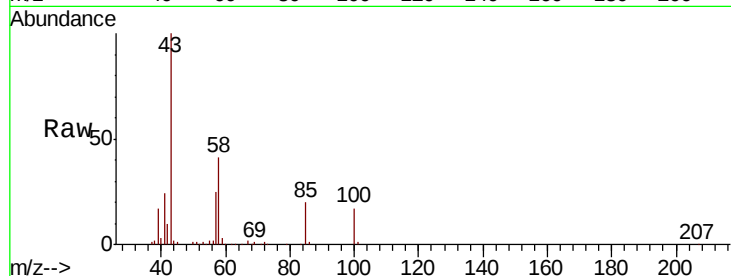




#51
 4-Methyl-2-Pentanone
 Concen: 75.645 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

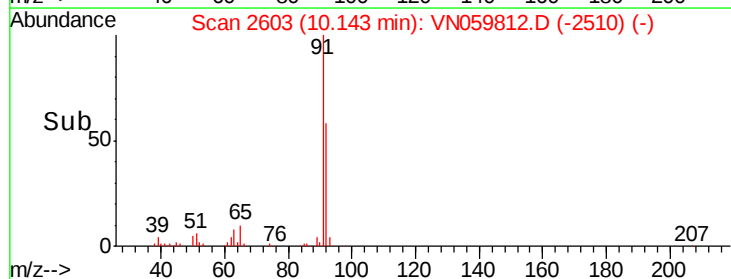
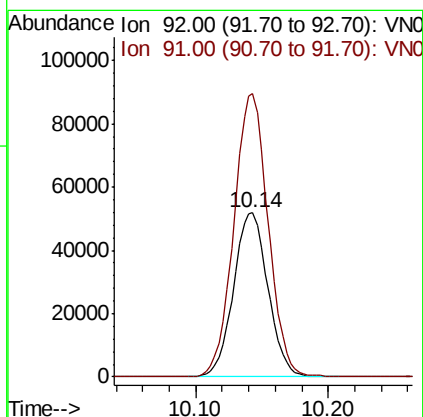
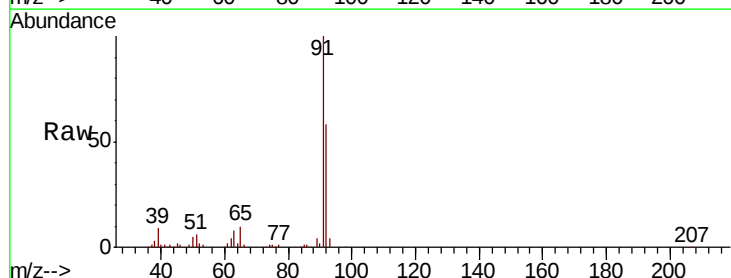
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 205055
 Ion Ratio Lower Upper
 43 100
 58 40.7 29.8 44.8



#52
 Toluene
 Concen: 17.076 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Tgt Ion: 92 Resp: 93505
 Ion Ratio Lower Upper
 92 100
 91 171.7 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 16.521 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

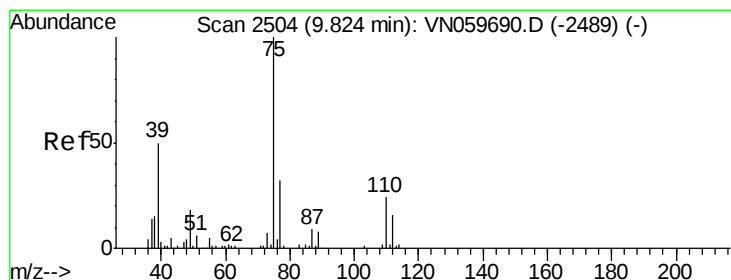
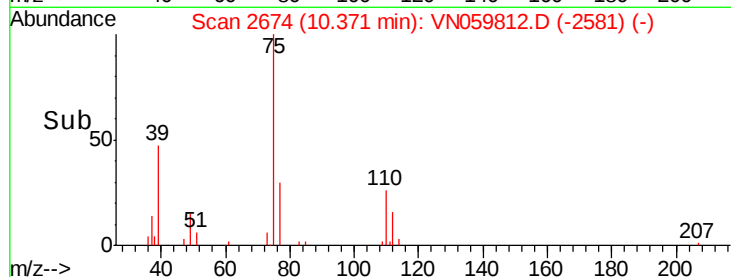
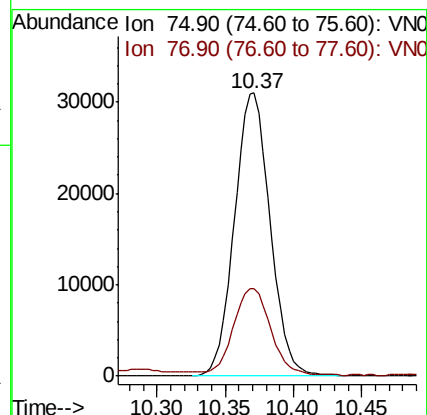
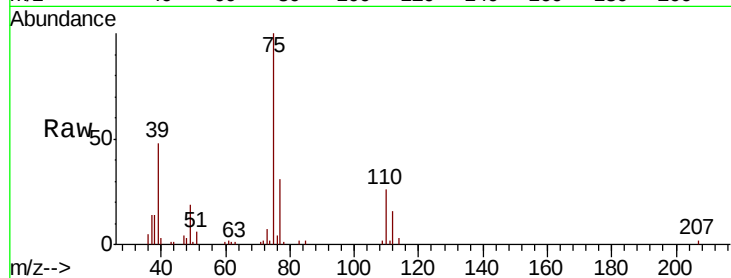
ClientSampleId :

Tot Ion: 75 Resp: 56253

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 16.992 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

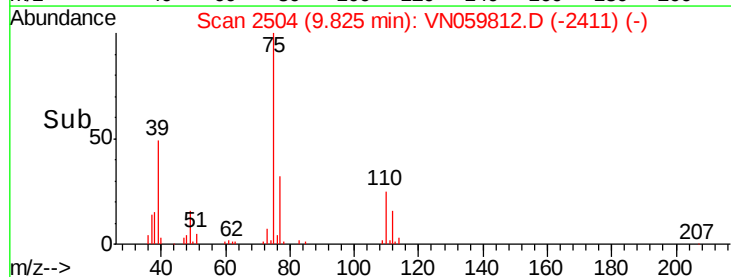
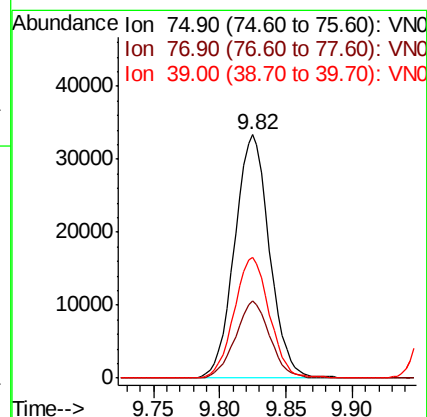
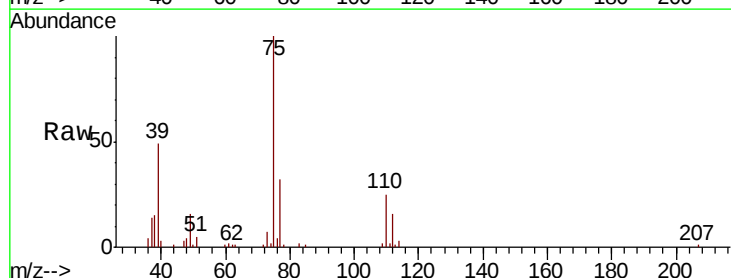
Tgt Ion: 75 Resp: 60873

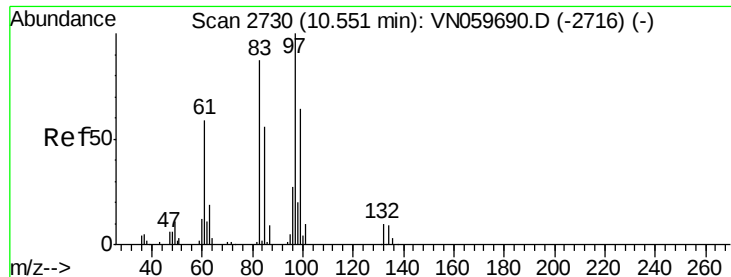
Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 49.4 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 16.782 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

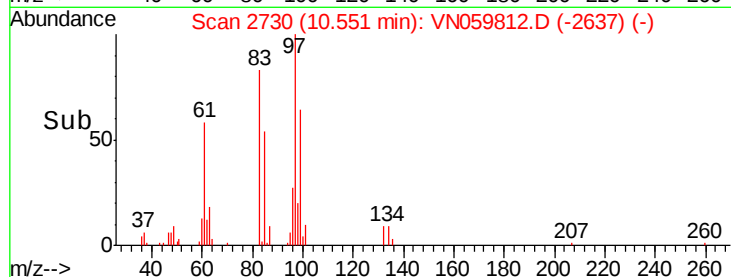
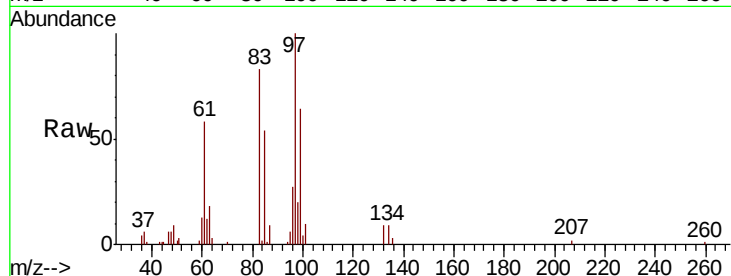
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 36395

Ion	Ratio	Lower	Upper
97	100		
83	82.7	71.3	106.9
85	54.1	45.8	68.8
99	63.7	50.0	75.0

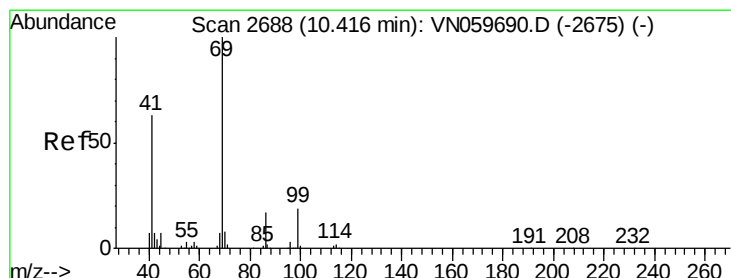


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 15.693 ug/l

RT: 10.42 min Scan# 2688

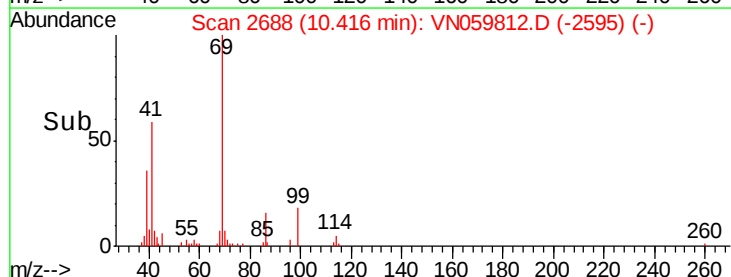
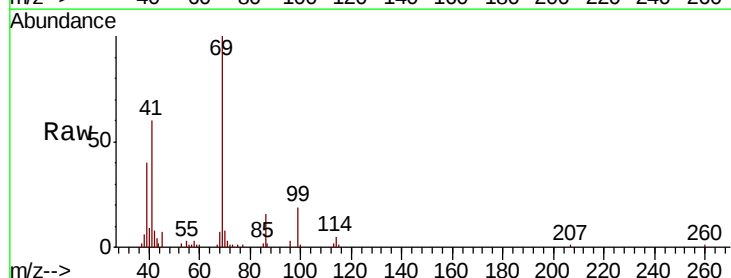
Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Tgt Ion: 69 Resp: 52004

Ion	Ratio	Lower	Upper
69	100		
41	61.9	57.1	85.7
39	40.2	34.7	52.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 17.001 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

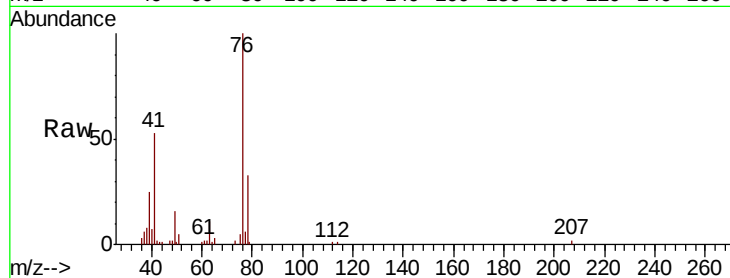
ClientSampled :

Tot Ion: 76 Resp: 58535

Ion Ratio Lower Upper

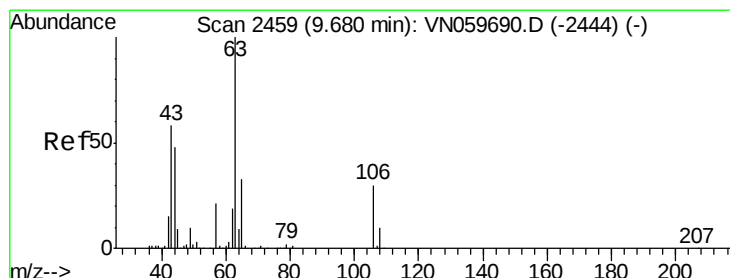
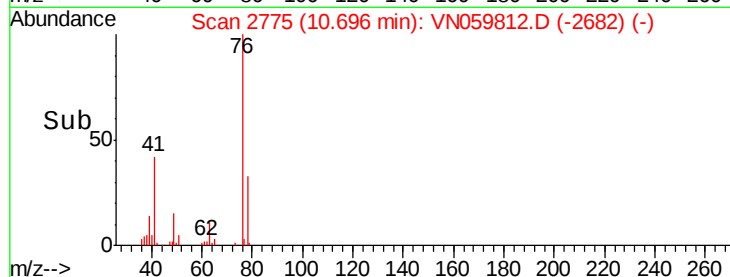
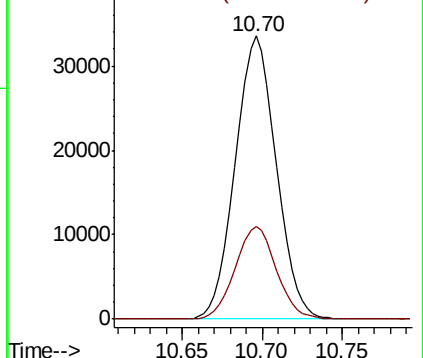
76 100

78 32.8 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN059812.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN059812.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 67.216 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059812.D

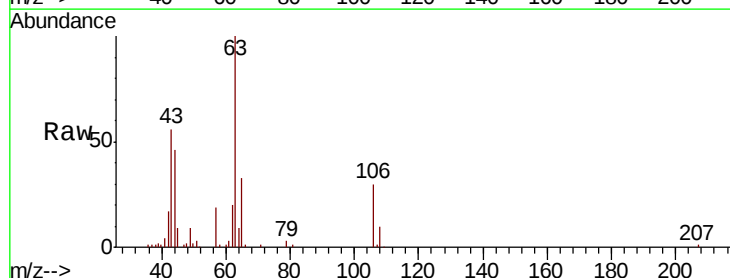
Acq: 21 Jan 2020 16:34

Tgt Ion: 63 Resp: 67090

Ion Ratio Lower Upper

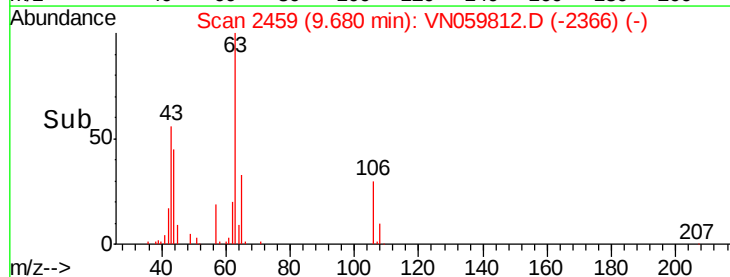
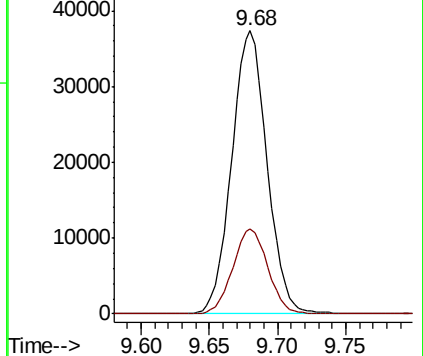
63 100

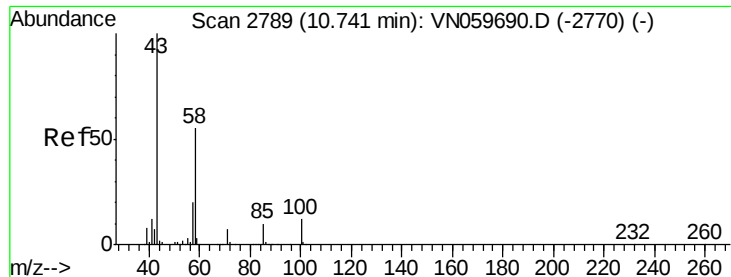
106 29.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059812.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN059812.D (-2366) (-)

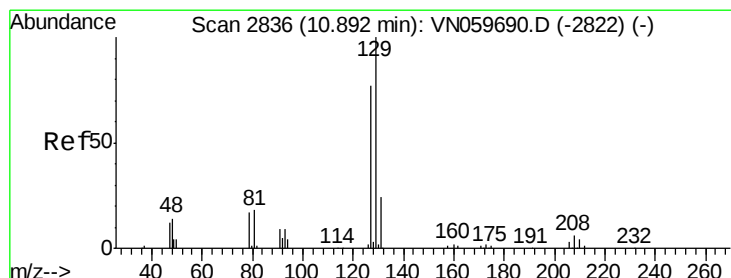
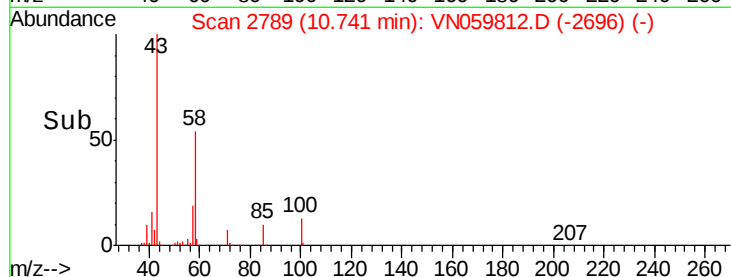
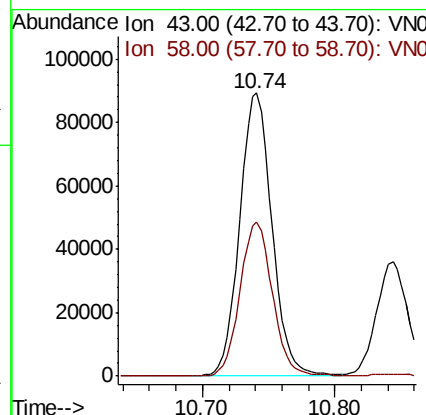
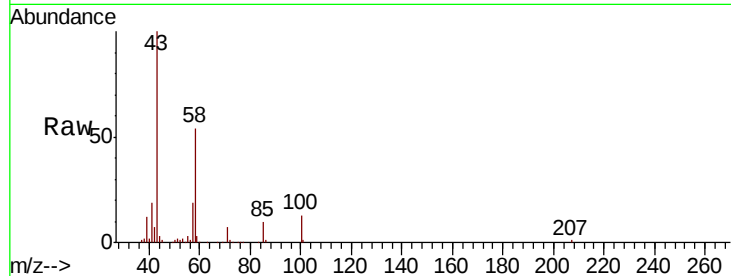




#59
2-Hexanone
Concen: 75.301 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

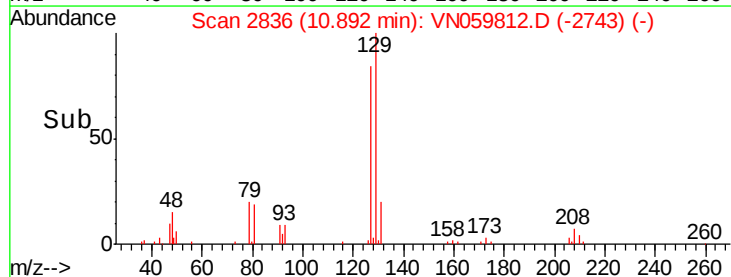
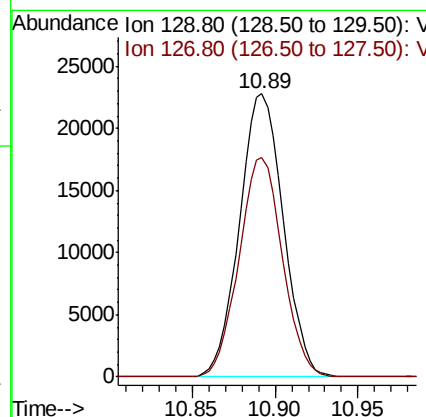
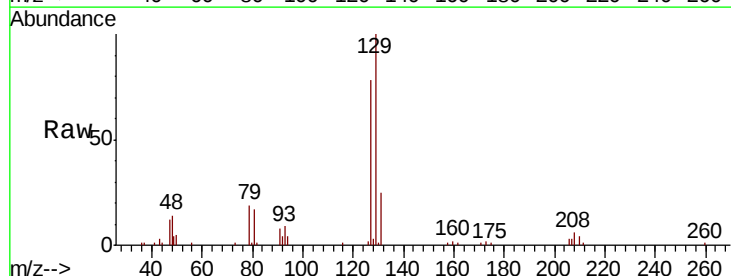
Instrument :
MSVOA_N
ClientSampled :

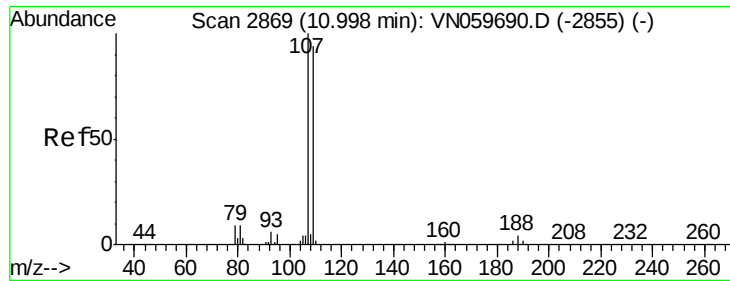
Tot Ion: 43 Resp: 150377
Ion Ratio Lower Upper
43 100
58 54.9 25.8 77.3



#60
Dibromochloromethane
Concen: 16.933 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion: 129 Resp: 41819
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5

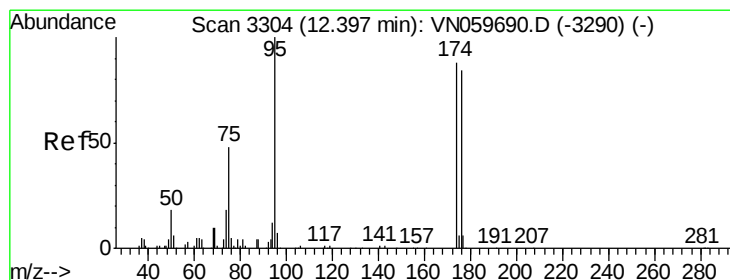
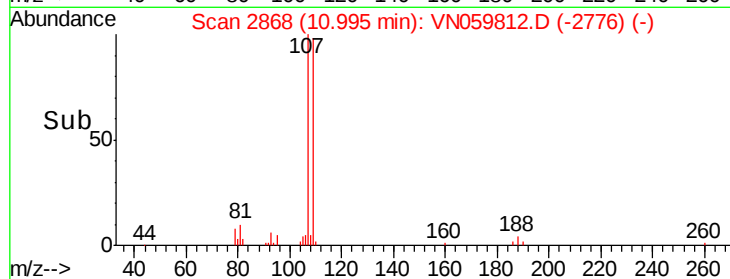
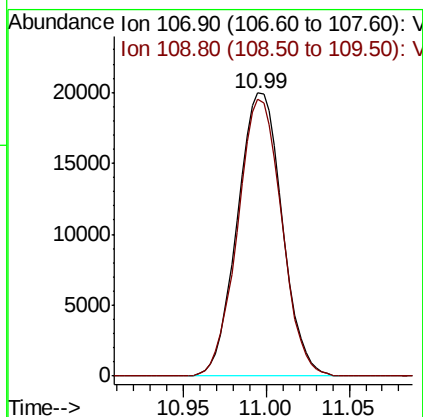
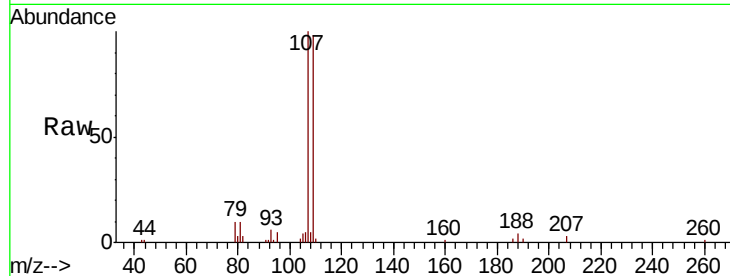




#61
 1,2-Dibromoethane
 Concen: 16.510 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

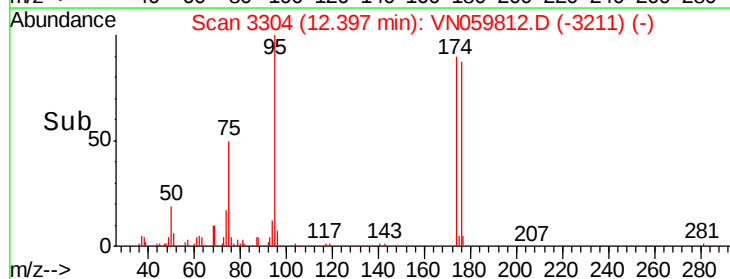
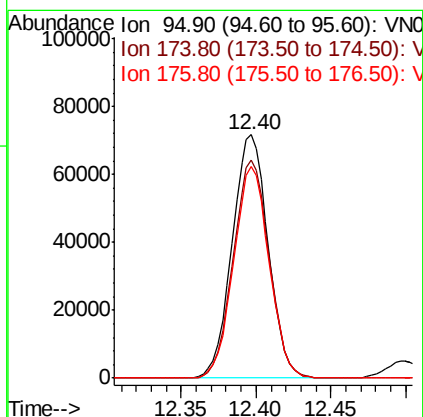
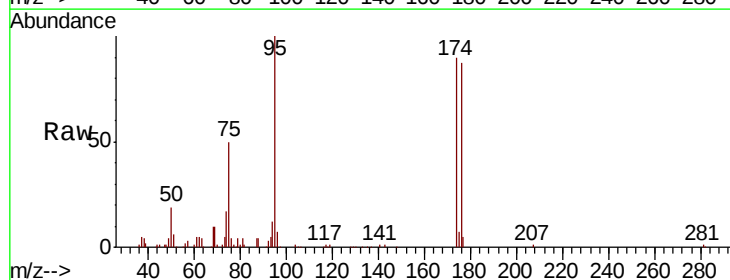
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 37528
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 43.035 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Tgt Ion: 95 Resp: 119649
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 151.4
 176 86.1 0.0 146.0

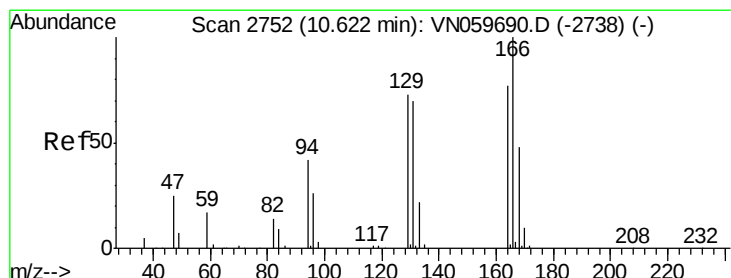
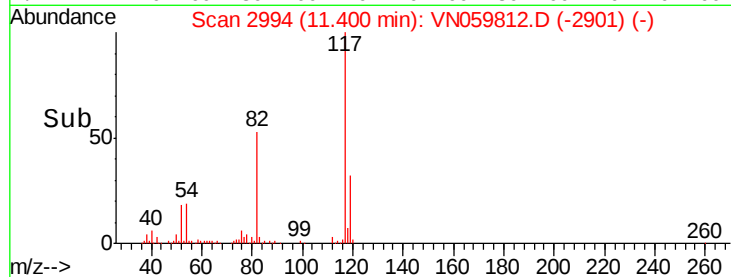
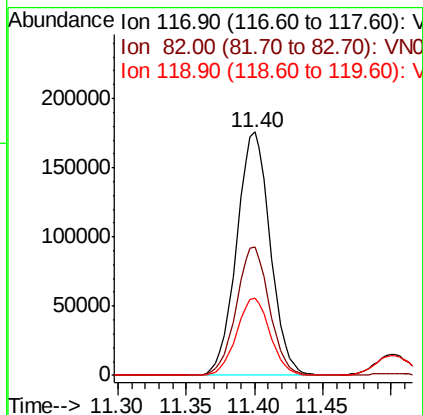
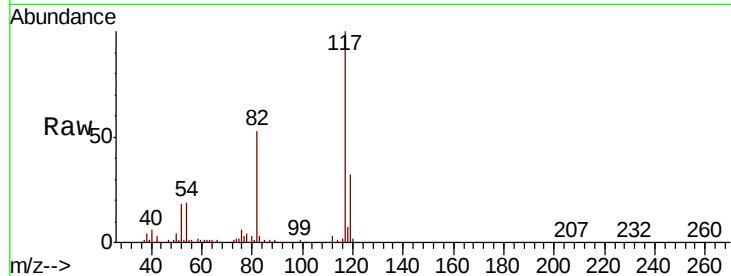




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

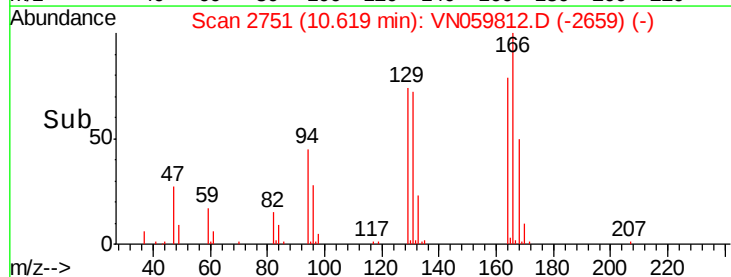
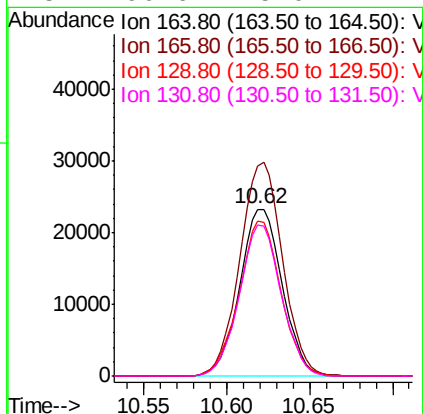
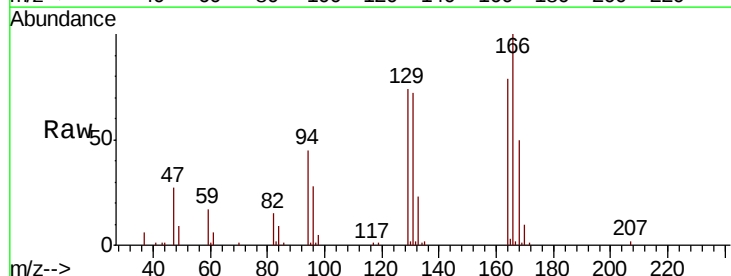
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 300483
Ion Ratio Lower Upper
117 100
82 52.6 45.9 68.9
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 16.900 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion:164 Resp: 41388
Ion Ratio Lower Upper
164 100
166 125.9 101.4 152.0
129 93.1 80.2 120.4
131 90.6 75.0 112.4

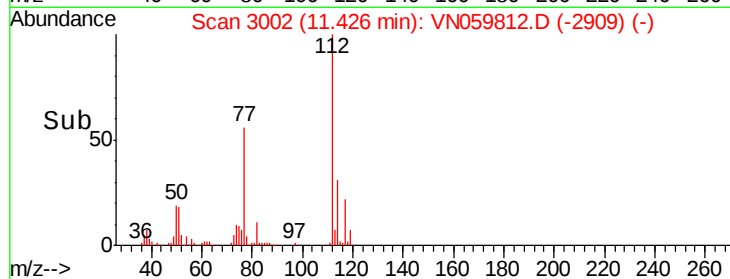
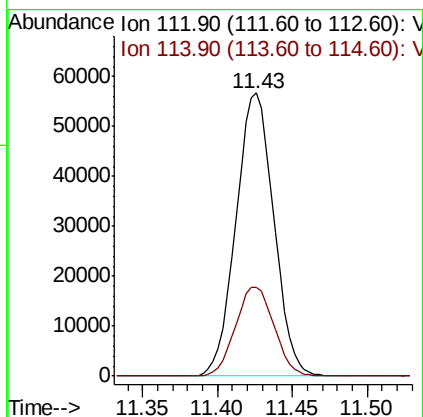
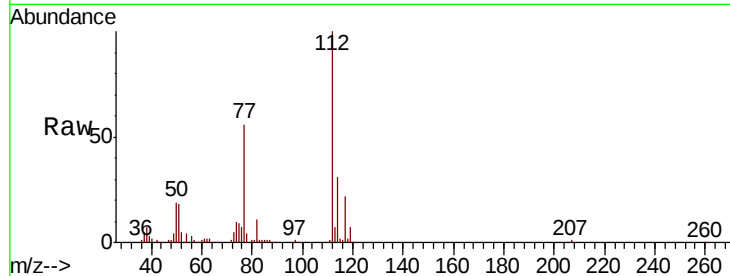




#65
Chlorobenzene
Concen: 16.929 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

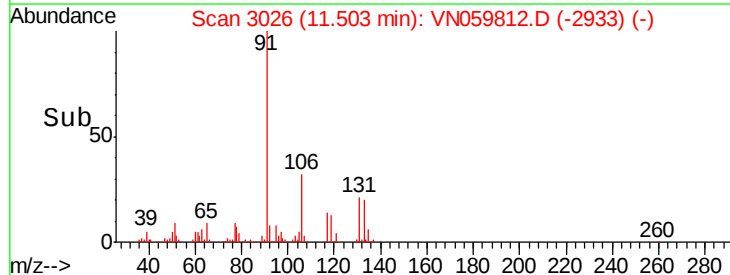
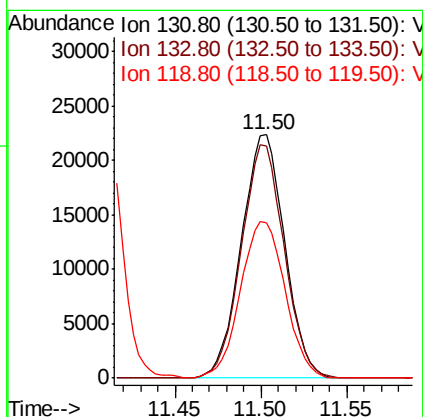
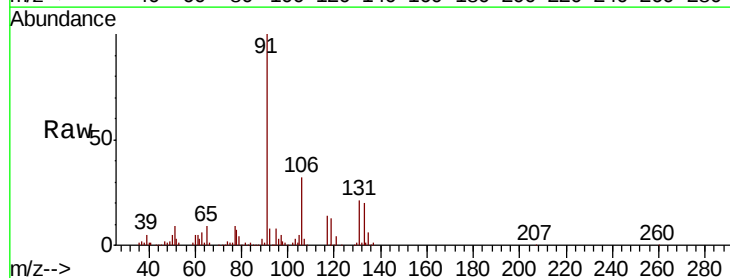
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 99983
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 17.189 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion:131 Resp: 39228
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.2
119 66.0 33.1 99.3





#67

Ethyl Benzene

Concen: 16.620 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

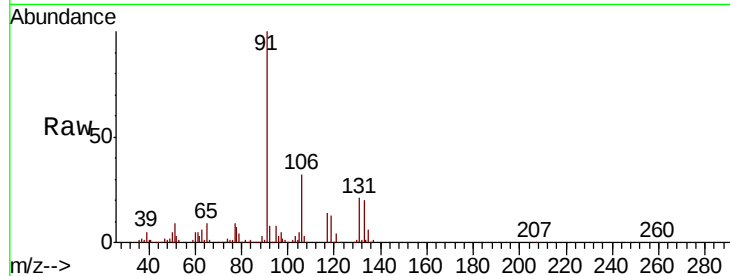
ClientSampled :

Tot Ion: 91 Resp: 178188

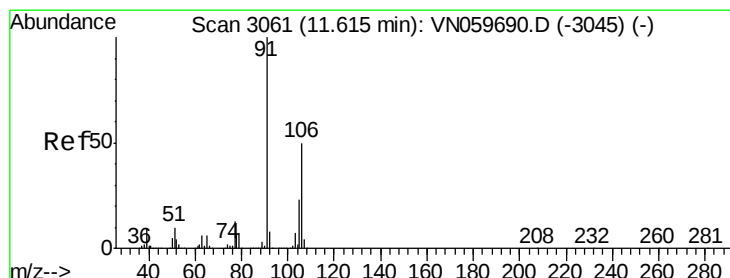
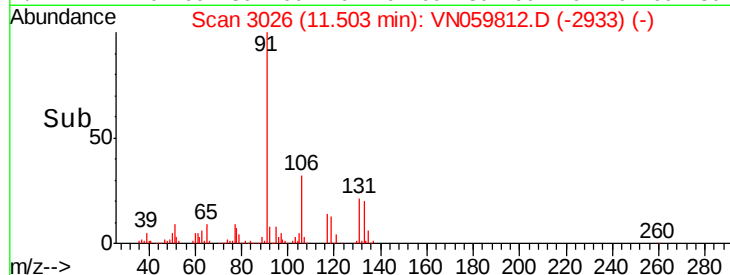
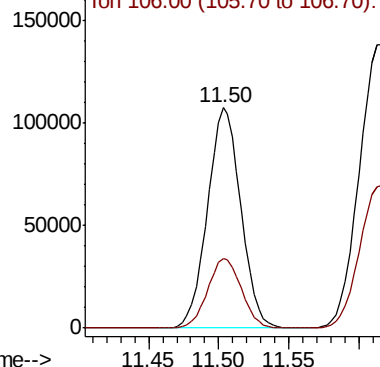
Ion Ratio Lower Upper

91 100

106 31.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059812.D (-2933) (-)



#68

m/p-Xylenes

Concen: 33.428 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059812.D

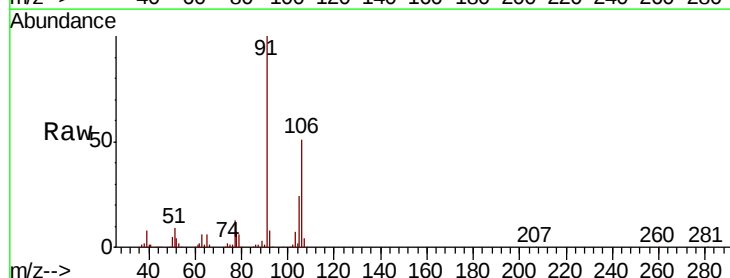
Acq: 21 Jan 2020 16:34

Tgt Ion: 106 Resp: 135383

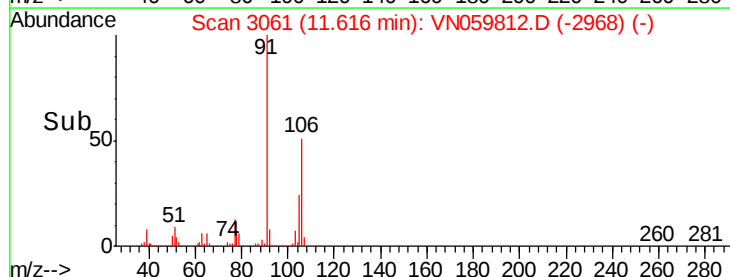
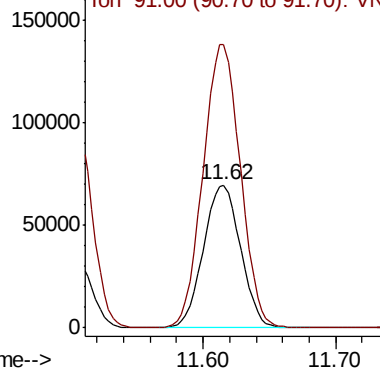
Ion Ratio Lower Upper

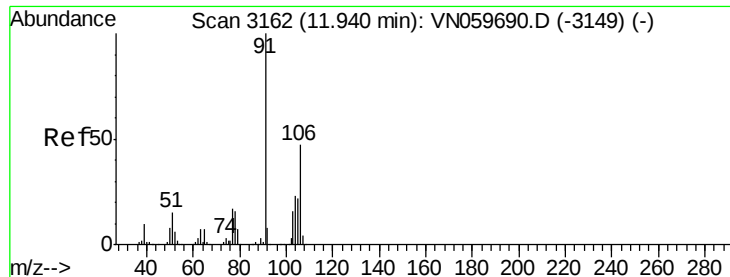
106 100

91 198.5 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059812.D (-2968) (-)

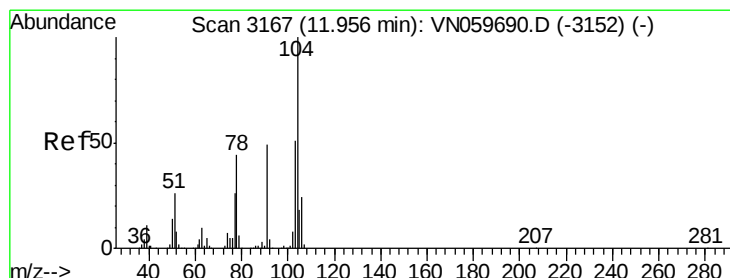
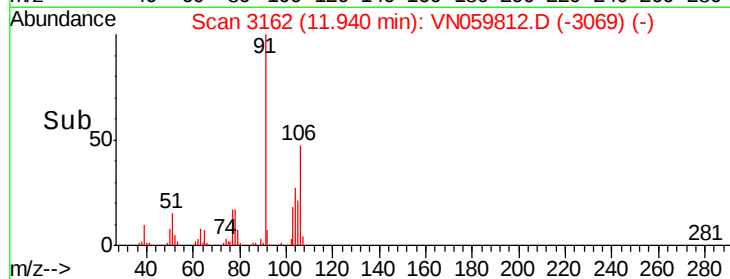
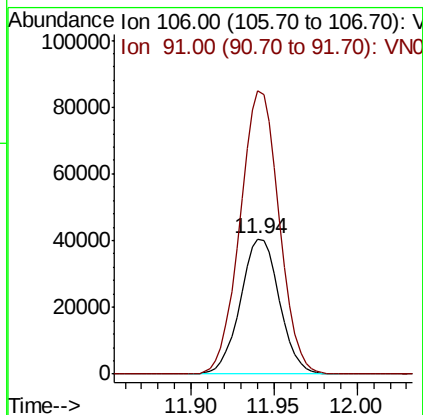
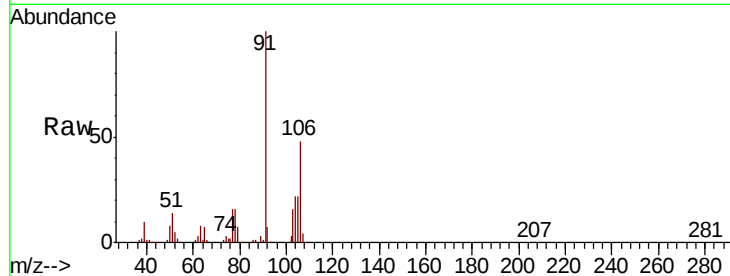




#69
o-Xylene
Concen: 16.725 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

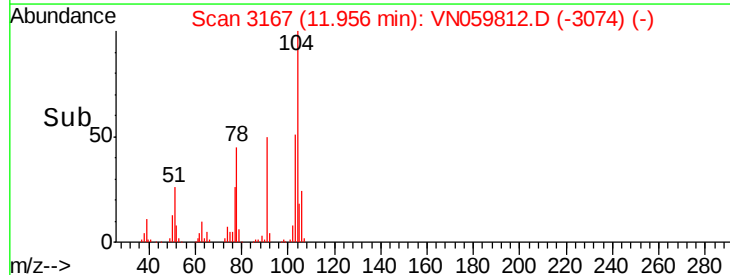
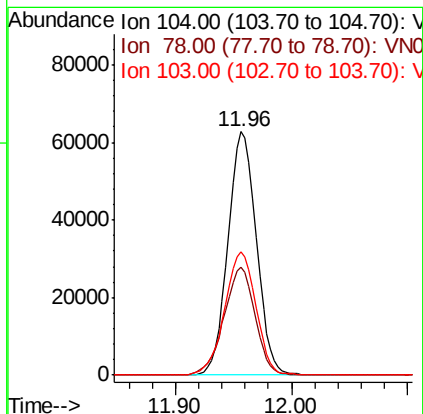
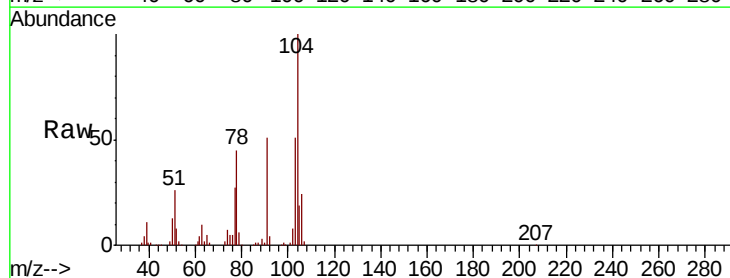
Instrument :
MSVOA_N
ClientSampleId :

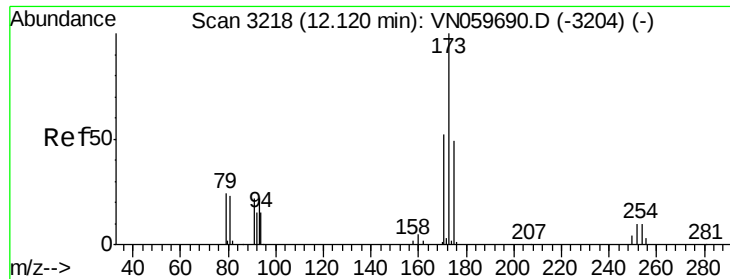
Tot Ion:106 Resp: 66313
Ion Ratio Lower Upper
106 100
91 209.7 110.3 330.9



#70
Styrene
Concen: 16.037 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion:104 Resp: 106403
Ion Ratio Lower Upper
104 100
78 48.2 42.4 63.6
103 55.4 43.9 65.9

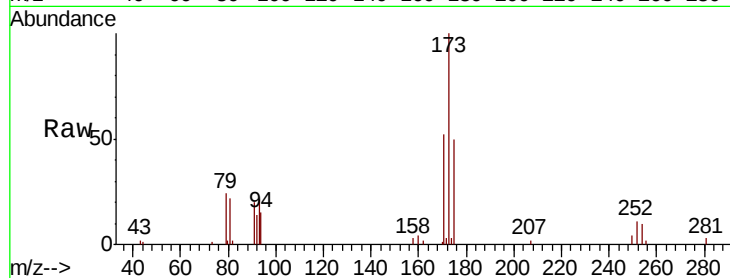




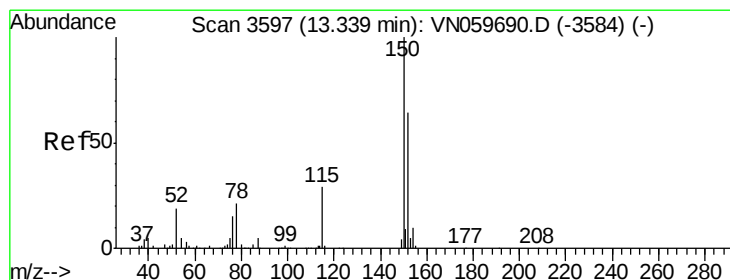
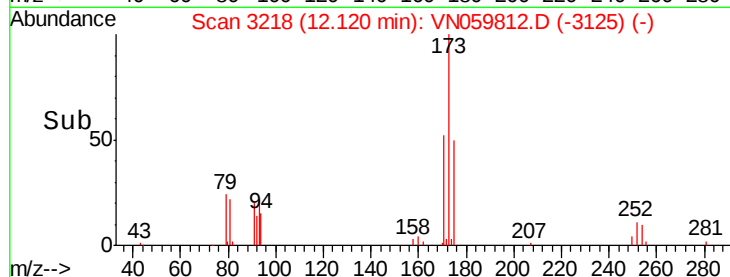
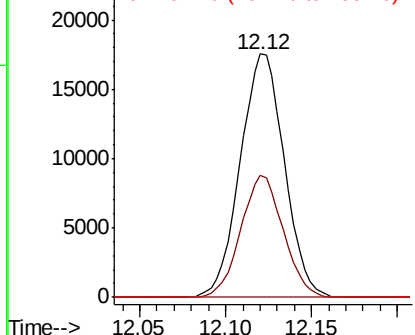
#71
Bromoform
Concen: 17.076 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 31215
Ion Ratio Lower Upper
173 100
175 48.1 23.8 71.4
254 0.0 0.0 0.0

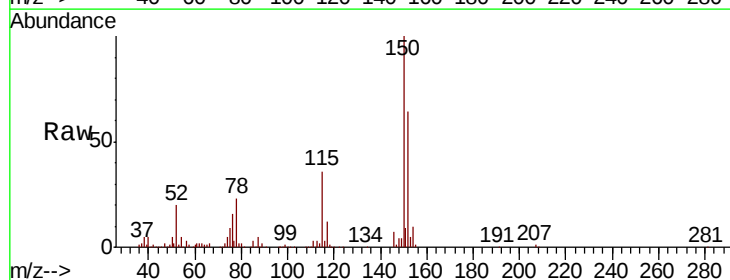


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

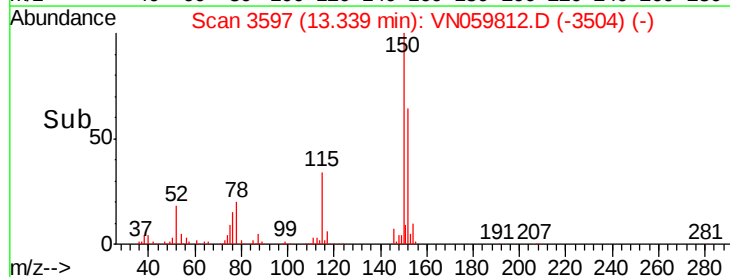
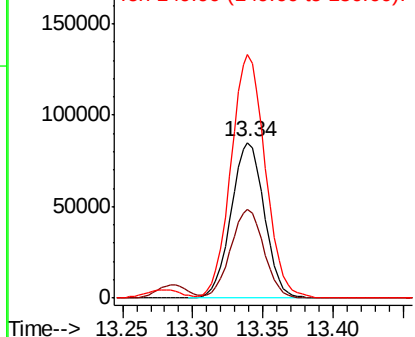


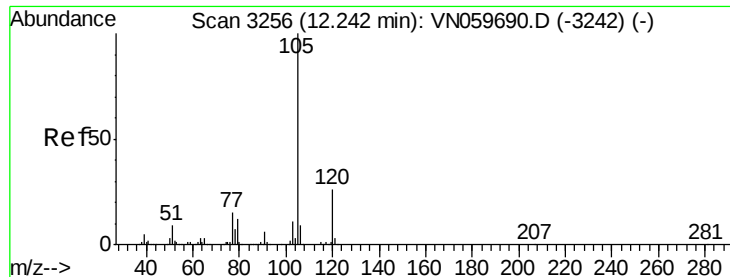
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion:152 Resp: 140432
Ion Ratio Lower Upper
152 100
115 57.1 30.3 90.9
150 161.5 0.0 345.2



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: 17.186 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

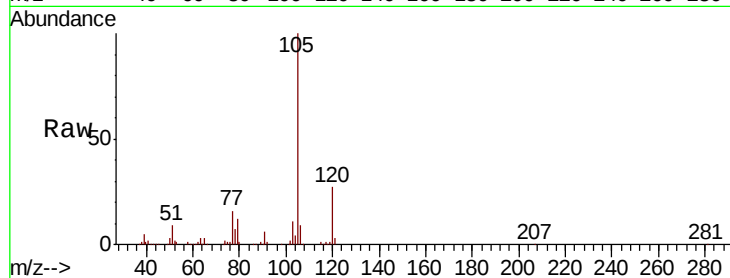
ClientSampleId :

Tot Ion:105 Resp: 176997

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

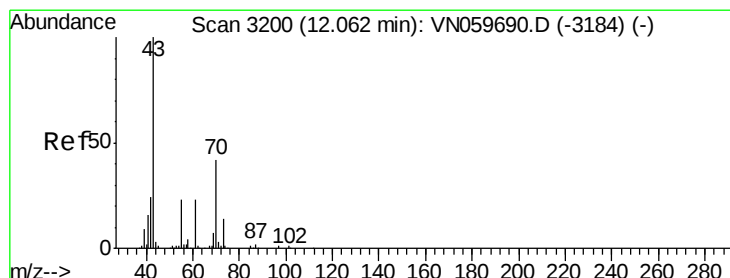
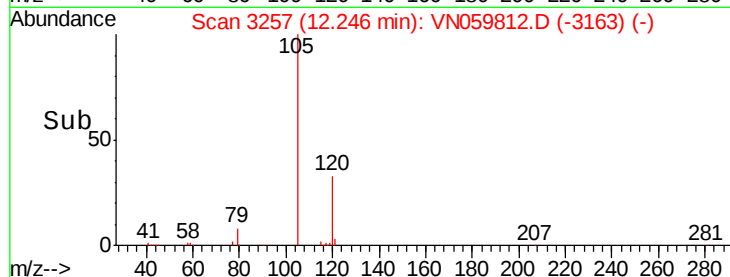
40000

20000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 14.660 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Tgt Ion: 43 Resp: 58589

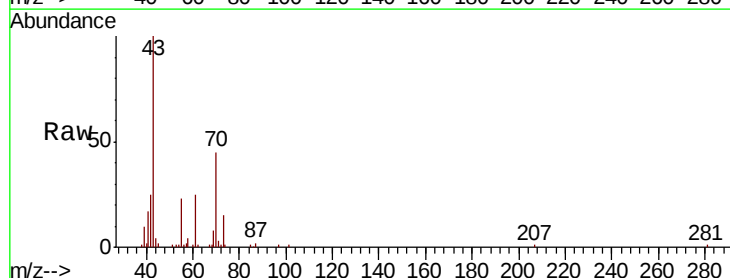
Ion Ratio Lower Upper

43 100

70 44.9 31.3 46.9

55 23.8 19.8 29.6

61 24.9 18.3 27.5



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

50000

40000

30000

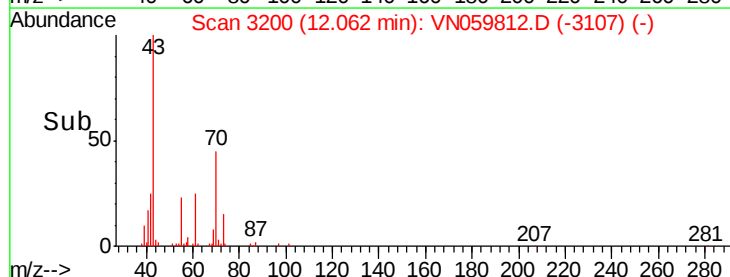
20000

10000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 16.363 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

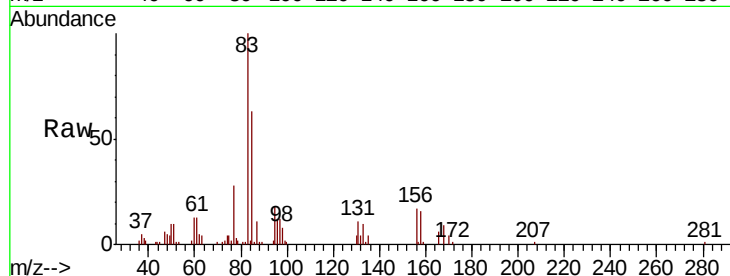
Tot Ion: 83 Resp: 48855

Ion Ratio Lower Upper

83 100

131 11.0 5.0 14.9

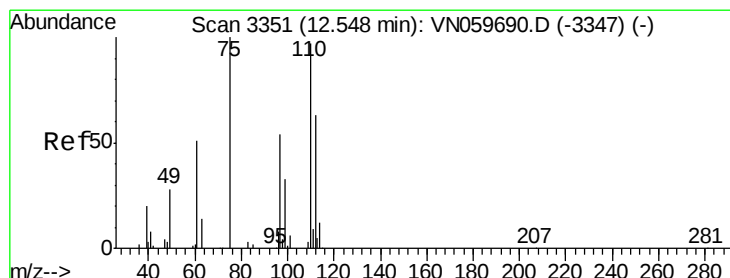
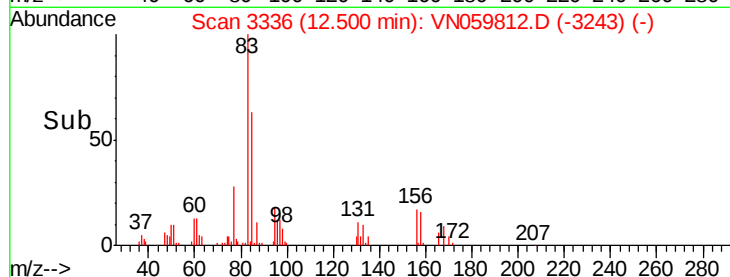
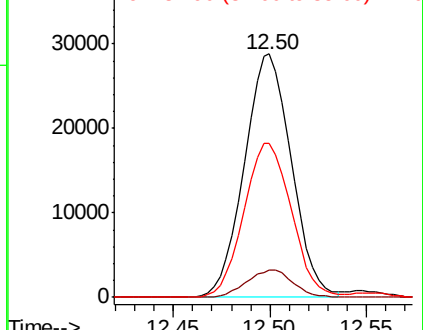
85 64.1 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059812.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059812.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059812.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 27.340 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059812.D

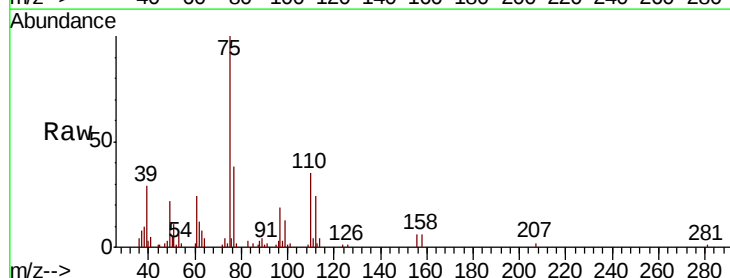
Acq: 21 Jan 2020 16:34

Tgt Ion: 75 Resp: 64613

Ion Ratio Lower Upper

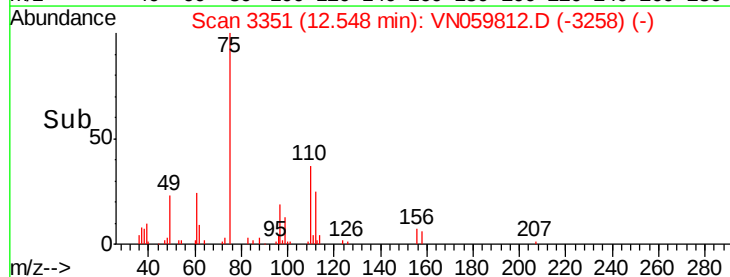
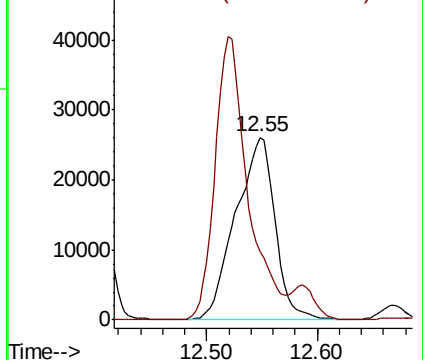
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059812.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059812.D (-3258) (-)





#77

Bromobenzene

Concen: 17.325 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

ClientSampled :

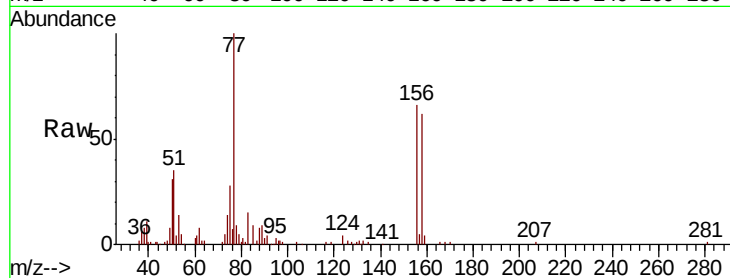
Tot Ion:156 Resp: 45186

Ion Ratio Lower Upper

156 100

77 183.8 115.8 347.4

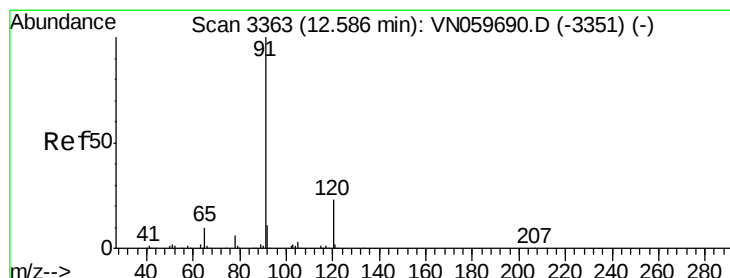
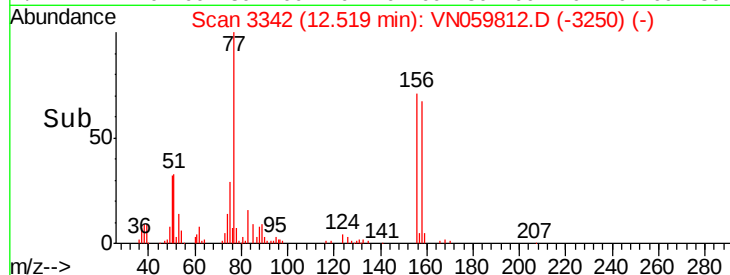
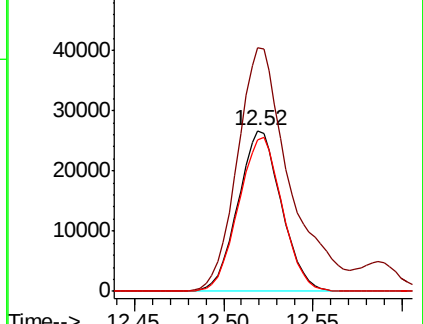
158 96.7 49.2 147.6



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: 16.754 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059812.D

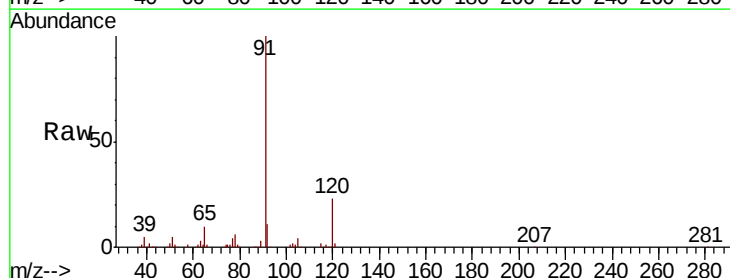
Acq: 21 Jan 2020 16:34

Tgt Ion: 91 Resp: 193677

Ion Ratio Lower Upper

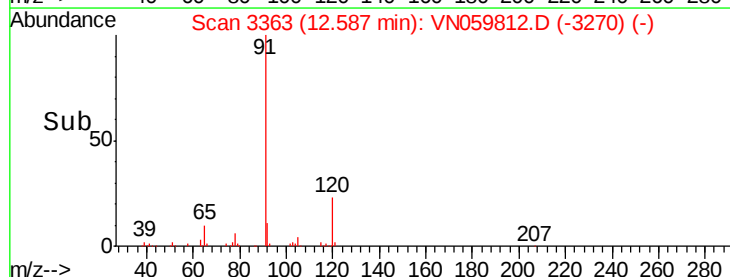
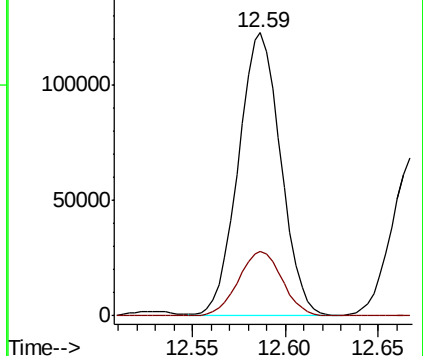
91 100

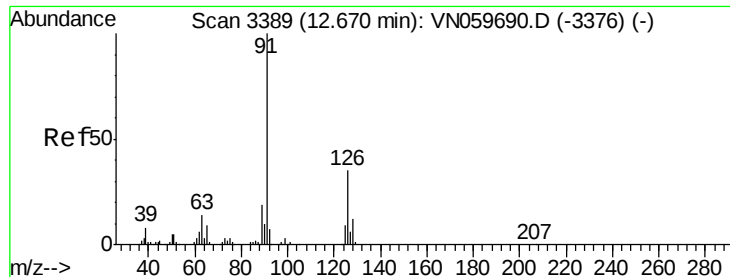
120 23.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

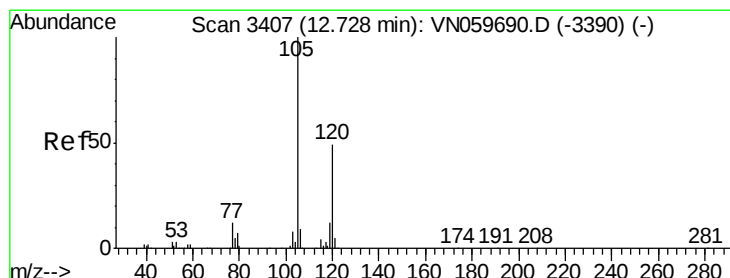
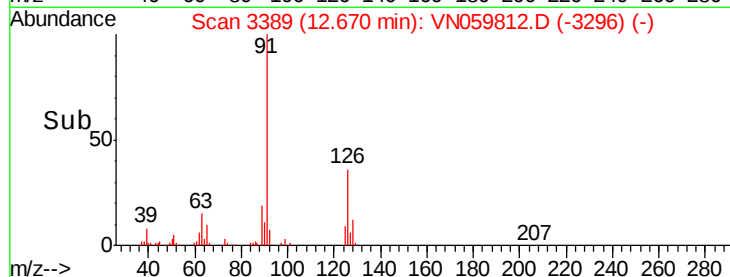
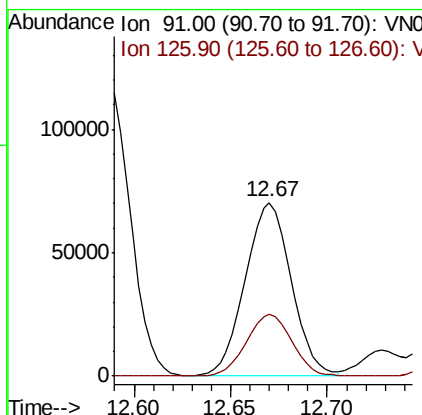
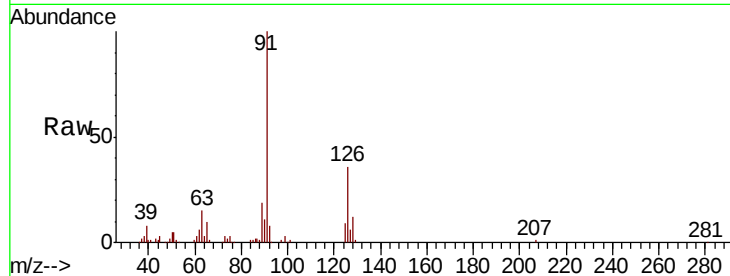




#79
 2-Chlorotoluene
 Concen: 16.852 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

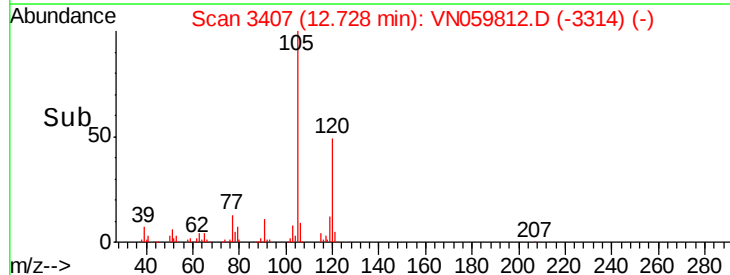
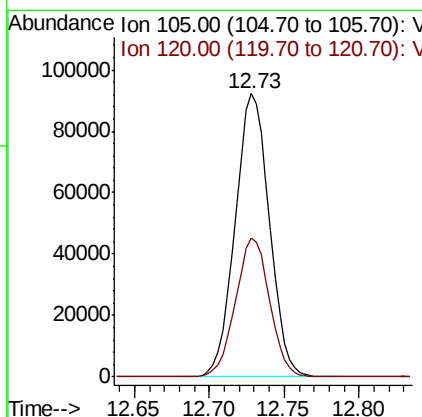
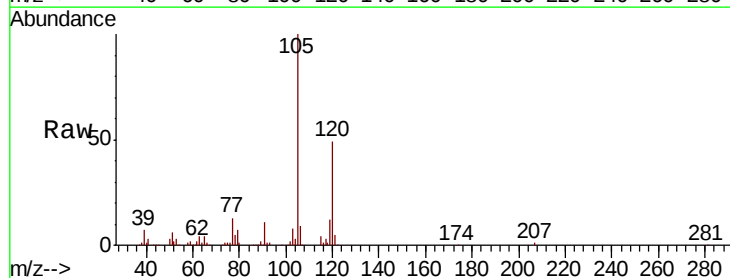
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 115893
 Ion Ratio Lower Upper
 91 100
 126 35.3 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 16.947 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Tgt Ion: 105 Resp: 146788
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.041 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

ClientSampled :

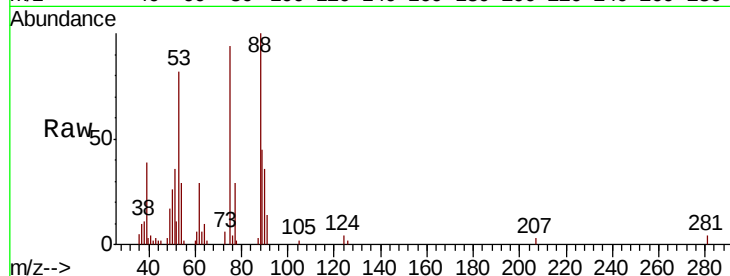
Tot Ion: 75 Resp: 17653

Ion Ratio Lower Upper

75 100

53 86.9 78.1 117.1

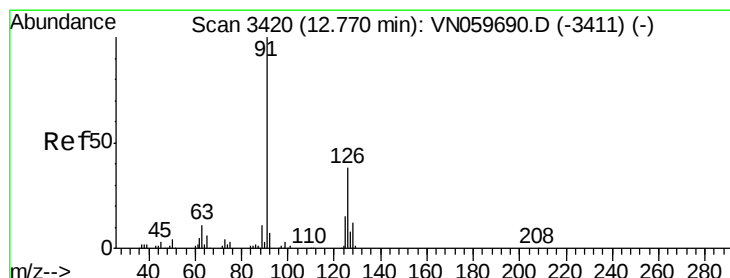
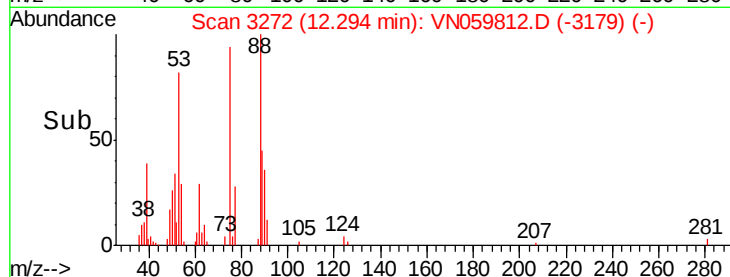
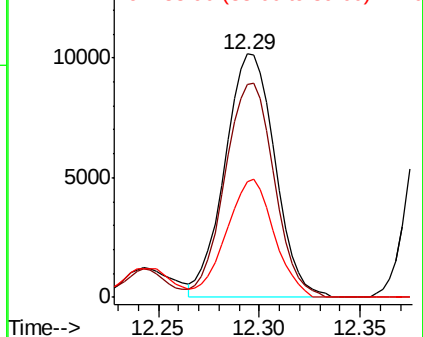
89 46.4 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 17.002 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059812.D

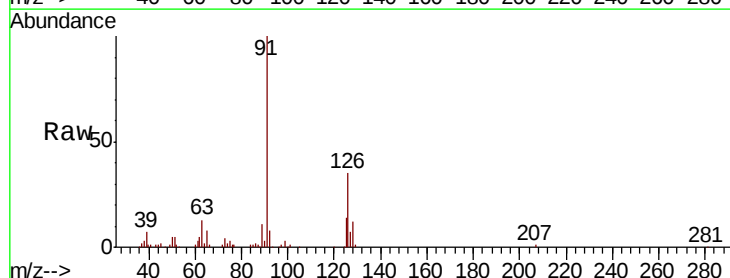
Acq: 21 Jan 2020 16:34

Tgt Ion: 91 Resp: 117276

Ion Ratio Lower Upper

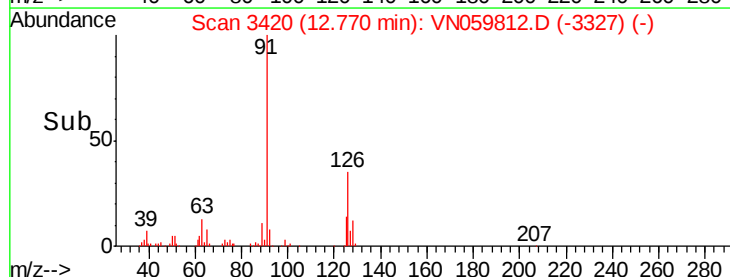
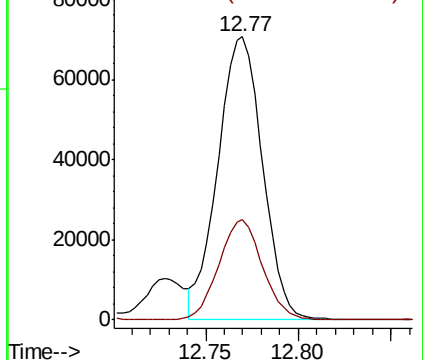
91 100

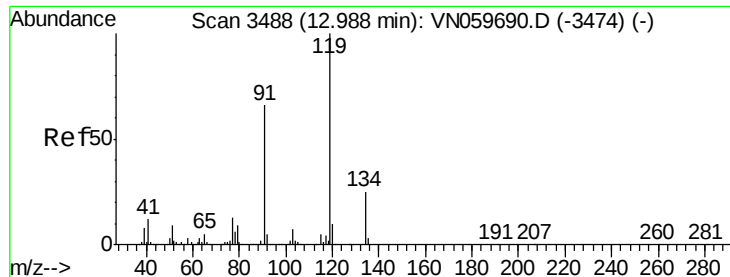
126 34.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.015 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

ClientSampled :

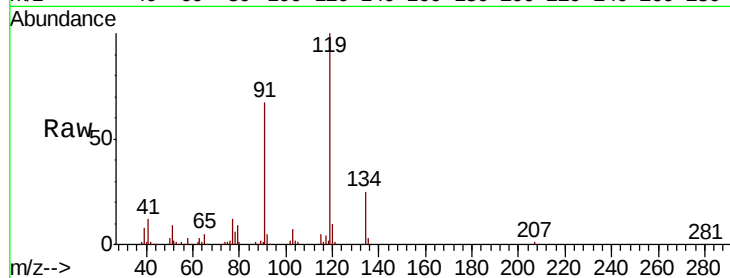
Tot Ion:119 Resp: 127466

Ion Ratio Lower Upper

119 100

91 64.5 34.8 104.4

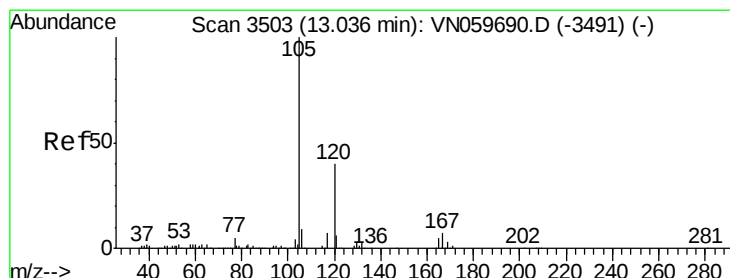
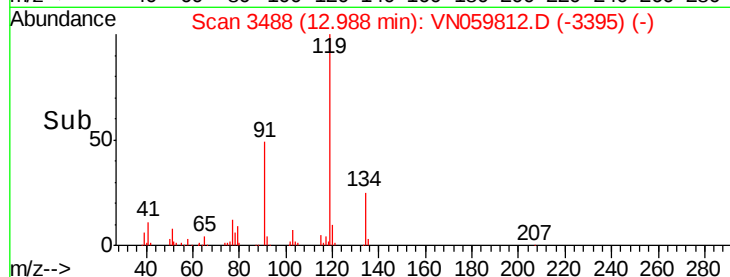
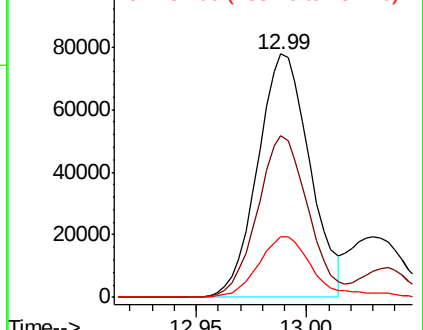
134 26.3 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.108 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059812.D

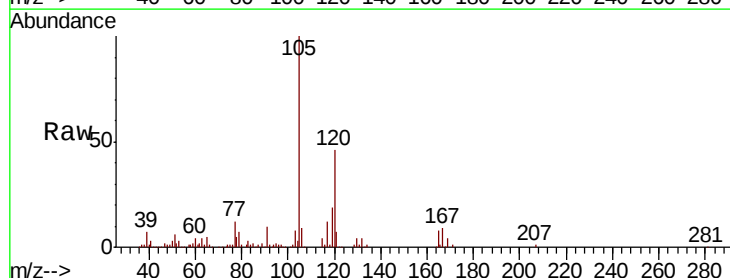
Acq: 21 Jan 2020 16:34

Tgt Ion:105 Resp: 146603

Ion Ratio Lower Upper

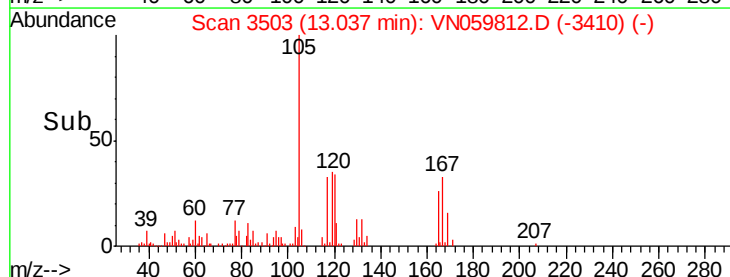
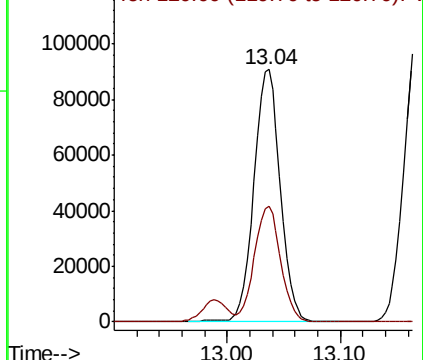
105 100

120 45.5 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.843 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

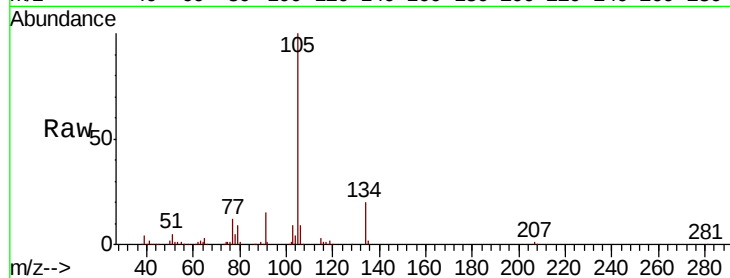
ClientSampled :

Tot Ion:105 Resp: 165779

Ion Ratio Lower Upper

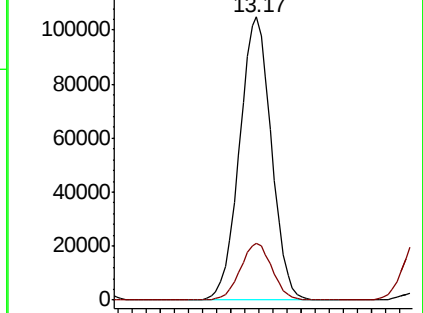
105 100

134 20.0 9.8 29.5

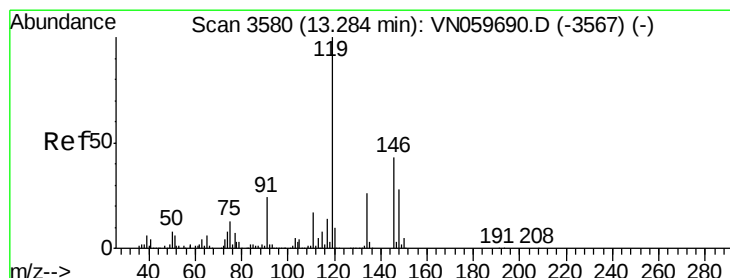
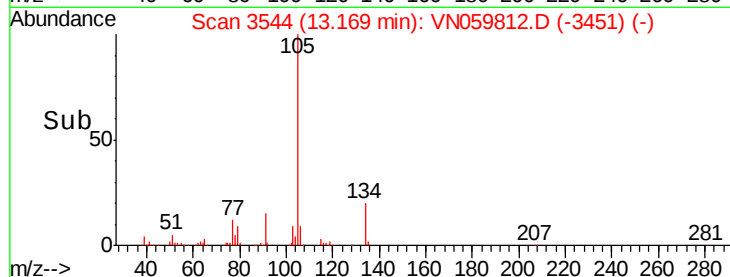


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 16.864 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

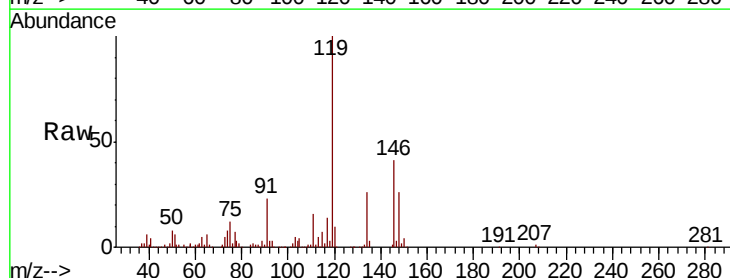
Tgt Ion:119 Resp: 153578

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.7

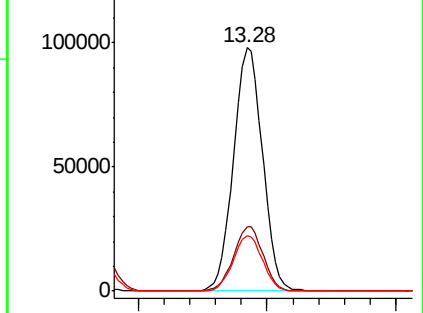
91 23.0 12.4 37.4



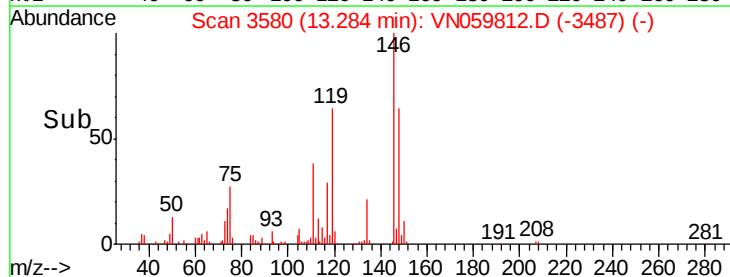
Abundance Ion 119.00 (118.70 to 119.70): V

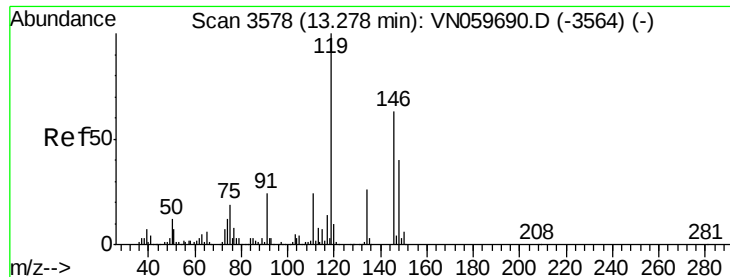
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 17.260 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

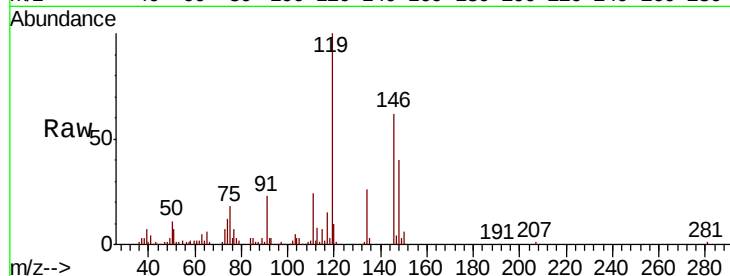
Tot Ion:146 Resp: 78196

Ion Ratio Lower Upper

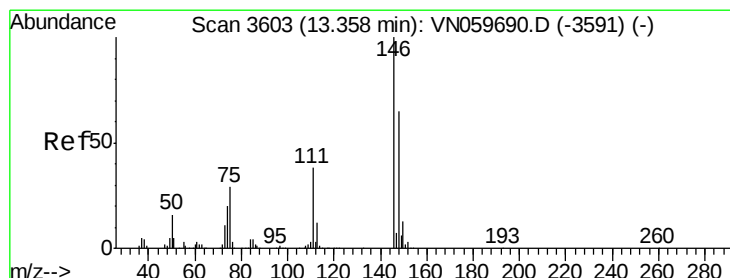
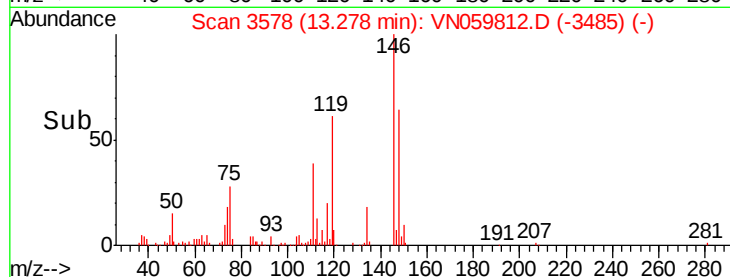
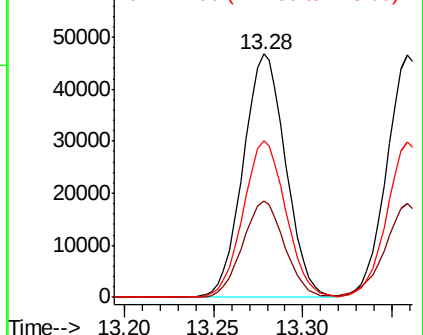
146 100

111 38.8 20.8 62.2

148 64.5 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



#88

1,4-Dichlorobenzene

Concen: 17.157 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

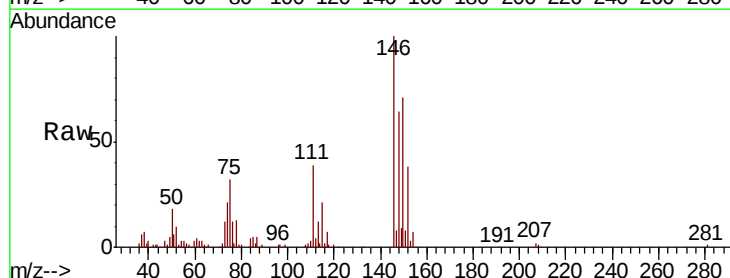
Tgt Ion:146 Resp: 77543

Ion Ratio Lower Upper

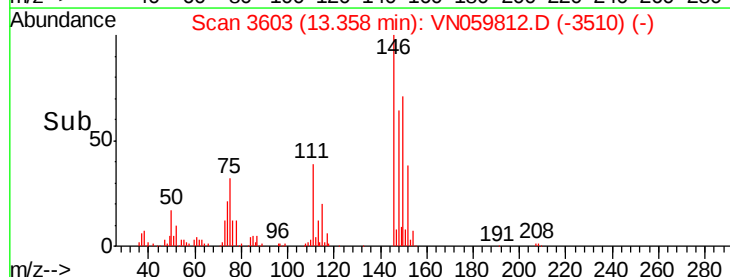
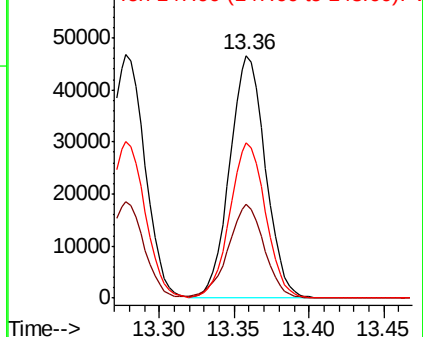
146 100

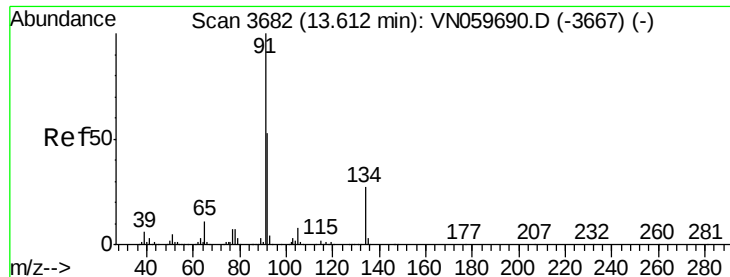
111 39.2 20.8 62.2

148 64.2 31.8 95.4



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: 16.611 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059812.D

Acq: 21 Jan 2020 16:34

Instrument :

MSVOA_N

ClientSampled :

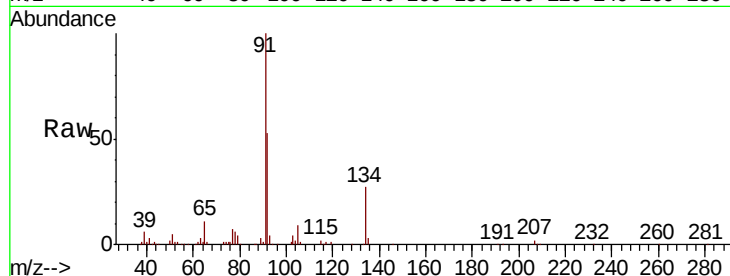
Tot Ion: 91 Resp: 128984

Ion Ratio Lower Upper

91 100

92 52.0 25.9 77.7

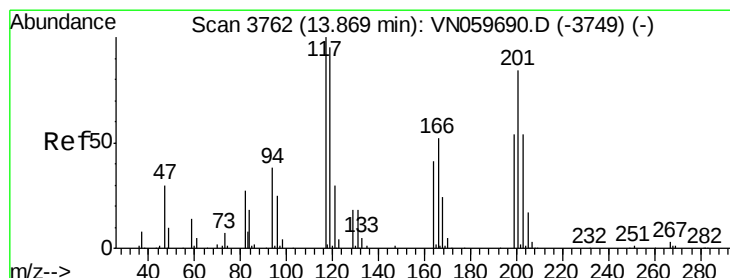
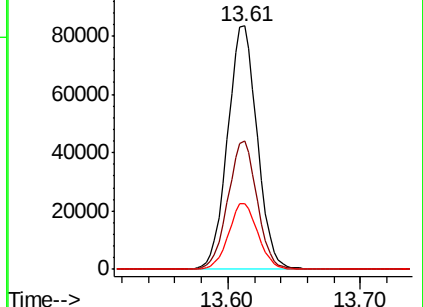
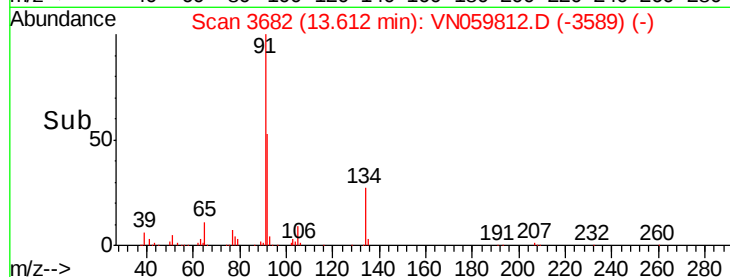
134 26.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059812.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN059812.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN059812.D (-3589) (-)



#90

Hexachloroethane

Concen: 16.638 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN059812.D

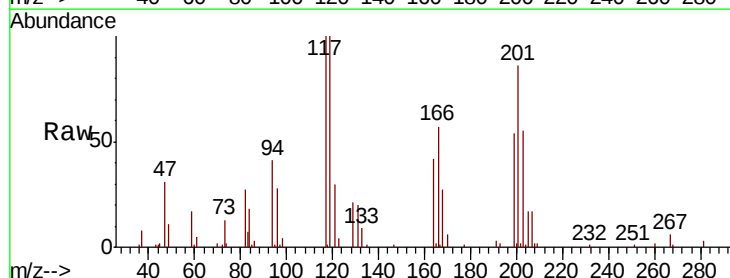
Acq: 21 Jan 2020 16:34

Tgt Ion: 117 Resp: 28350

Ion Ratio Lower Upper

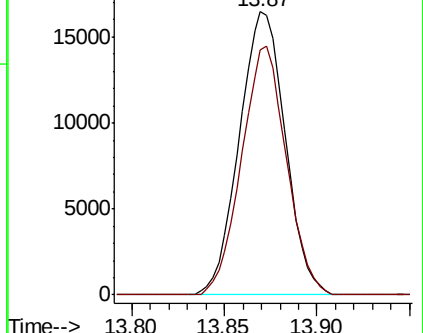
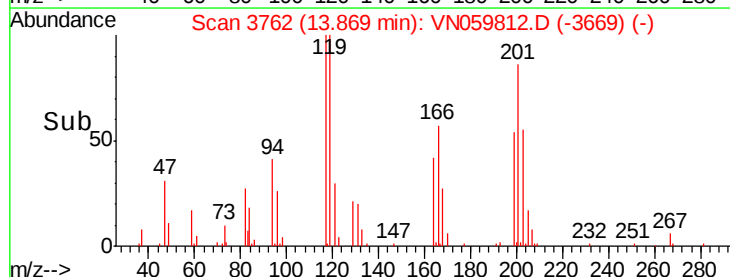
117 100

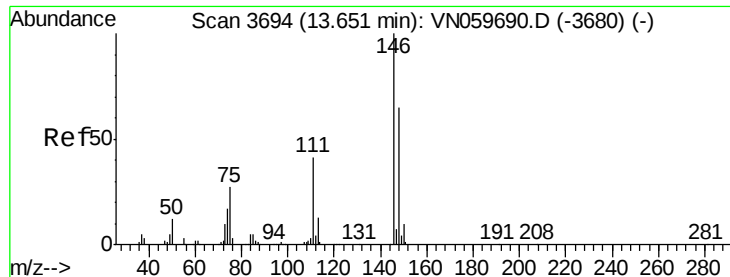
201 85.6 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059812.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059812.D (-3669) (-)

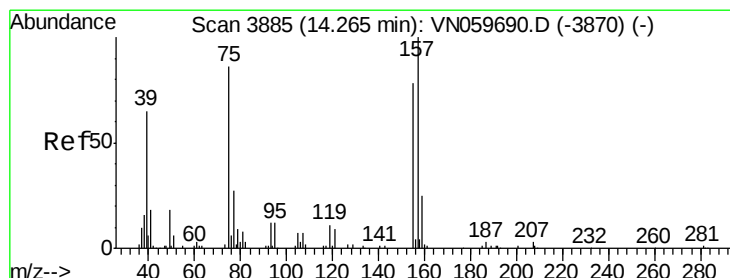
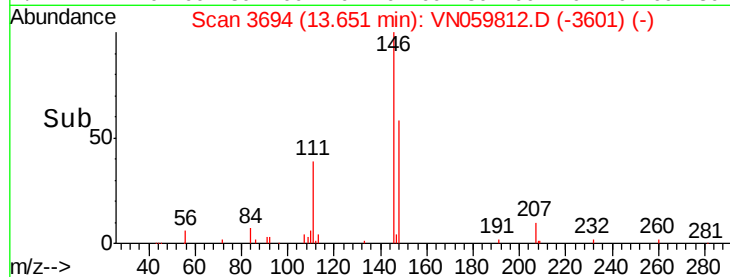
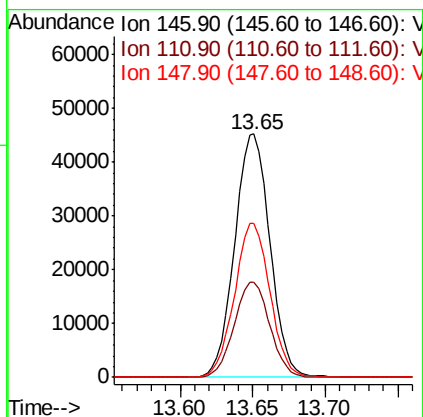
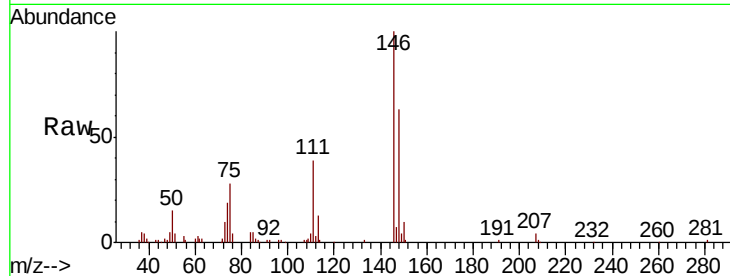




#91
 1,2-Dichlorobenzene
 Concen: 17.087 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

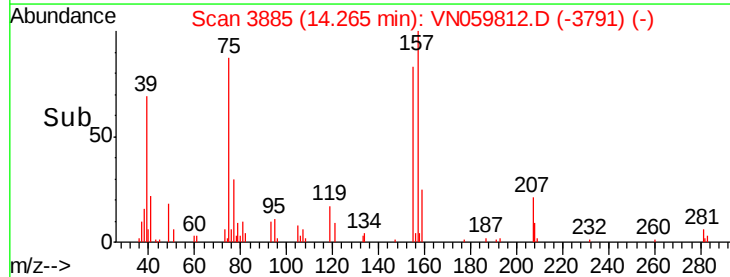
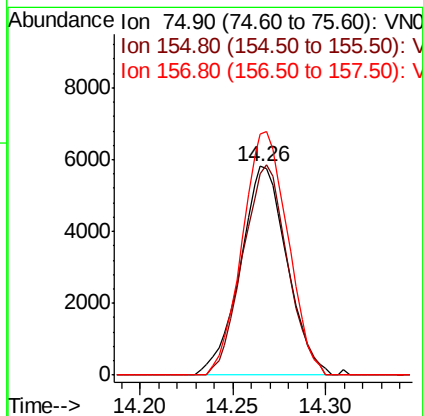
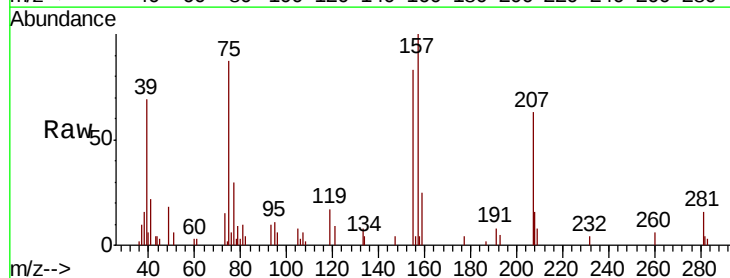
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 76529
 Ion Ratio Lower Upper
 146 100
 111 39.4 21.6 64.8
 148 63.5 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.422 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Tgt Ion: 75 Resp: 10195
 Ion Ratio Lower Upper
 75 100
 155 96.0 37.0 110.9
 157 113.1 48.4 145.2

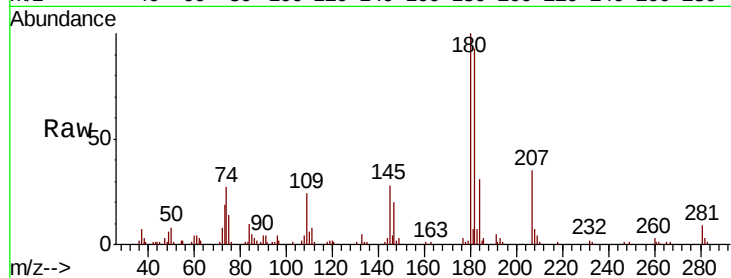




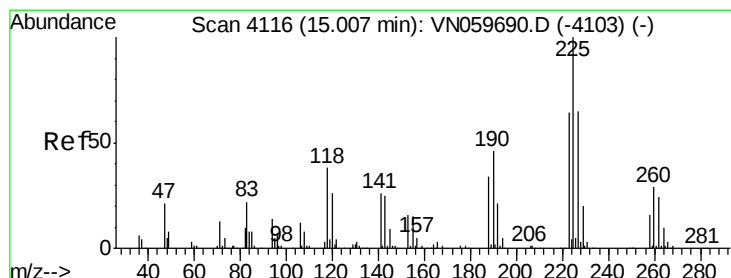
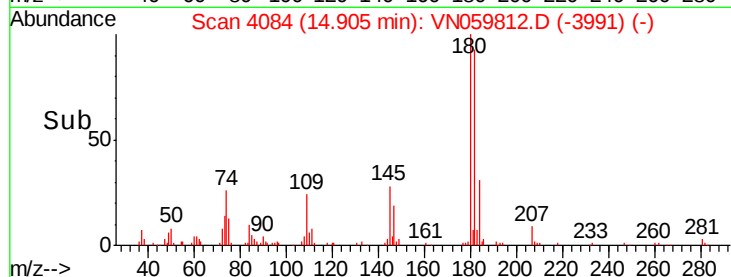
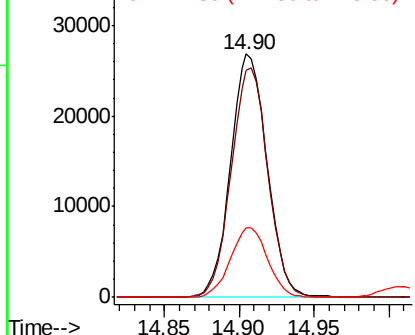
#93
 1,2,4-Trichlorobenzene
 Concen: 16.915 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 45524
 Ion Ratio Lower Upper
 180 100
 182 94.6 46.9 140.7
 145 29.0 15.0 45.1

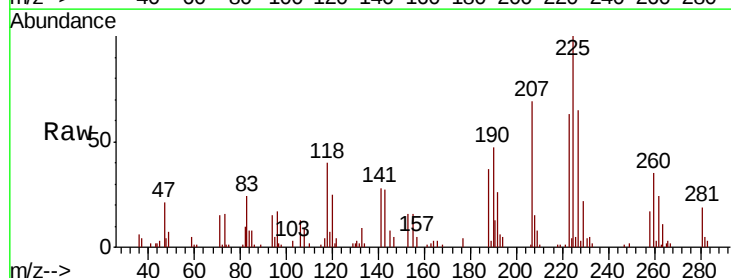


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

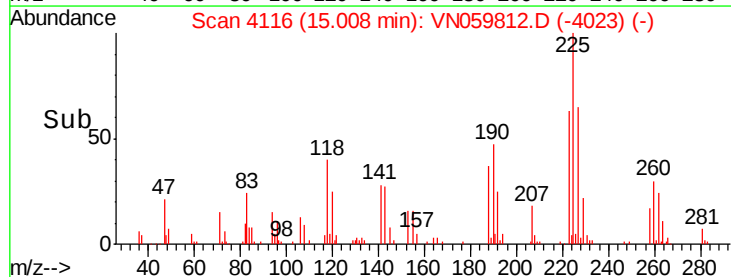
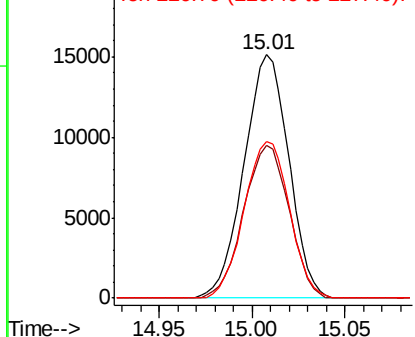


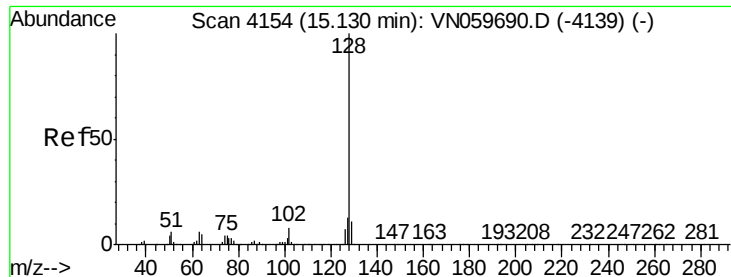
#94
 Hexachlorobutadiene
 Concen: 17.173 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059812.D
 Acq: 21 Jan 2020 16:34

Tgt Ion:225 Resp: 25469
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.8 95.3
 227 65.1 32.1 96.5



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

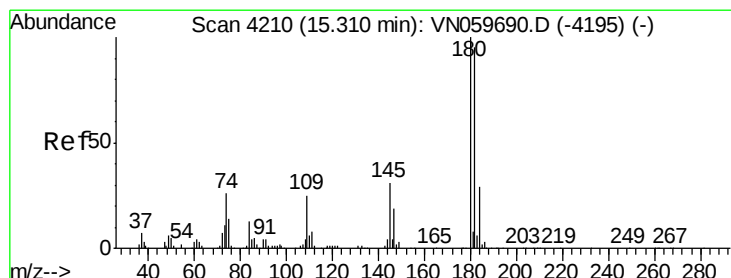
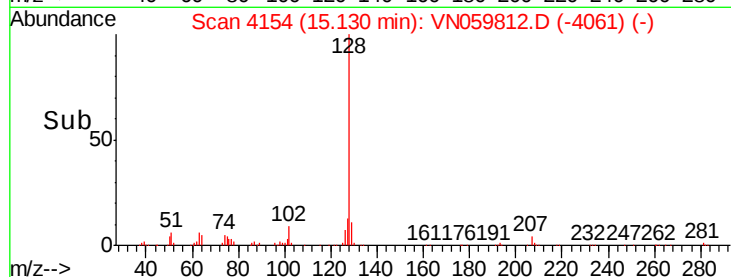
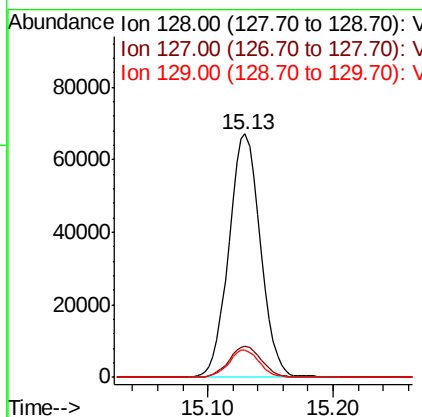
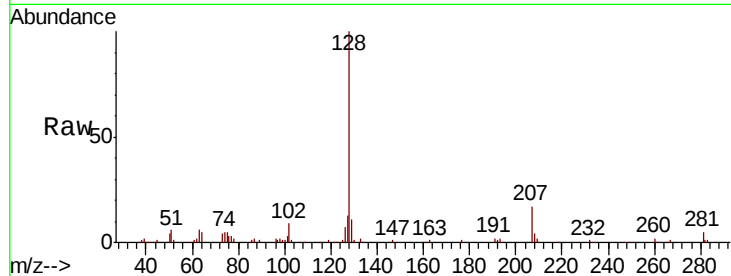




#95
Naphthalene
Concen: 15.325 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 117317
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 16.340 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059812.D
Acq: 21 Jan 2020 16:34

Tgt Ion:180 Resp: 42804
Ion Ratio Lower Upper
180 100
182 97.0 47.4 142.3
145 31.8 16.3 48.9

