

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059782.D
 Acq On : 20 Jan 2020 13:17
 Operator : JC/MD
 Sample : VN0120WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:16:37 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	185623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	286847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	104473	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.57	113	89649	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	10.08	98	332448	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	116663	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	46544	20.964	ug/l	100
3) Chloromethane	2.04	50	42843	20.160	ug/l	99
4) Vinyl Chloride	2.17	62	53916	22.174	ug/l	97
5) Bromomethane	2.54	94	32860	22.144	ug/l	97
6) Chloroethane	2.68	64	24656	21.433	ug/l	97
7) Trichlorofluoromethane	3.00	101	63972	21.907	ug/l	98
8) Diethyl Ether	3.38	74	21788	21.261	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36416	22.407	ug/l	92
10) Methyl Iodide	3.93	142	54576	20.775	ug/l	94
11) Tert butyl alcohol	4.73	59	38255	110.237	ug/l	99
12) 1,1-Dichloroethene	3.72	96	35775	21.066	ug/l	83
13) Acrolein	3.58	56	15724	64.009	ug/l	97
14) Allyl chloride	4.29	41	47694	20.836	ug/l #	86
15) Acrylonitrile	4.95	53	85610	108.149	ug/l	98
16) Acetone	3.78	43	80716	109.164	ug/l	97
17) Carbon Disulfide	4.03	76	94889	19.614	ug/l	98
18) Methyl Acetate	4.29	43	51125	21.233	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	118246	21.355	ug/l	93
20) Methylene Chloride	4.52	84	41244	21.374	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	37844	20.964	ug/l	88
22) Diisopropyl ether	5.91	45	107197	20.665	ug/l	94
23) Vinyl Acetate	5.86	43	415296	103.402	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	66148	20.869	ug/l	97
25) 2-Butanone	6.80	43	113498	97.227	ug/l #	89
26) 2,2-Dichloropropane	6.80	77	63102	20.708	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	44054	21.217	ug/l	88
28) Bromochloromethane	7.17	49	27076	21.373	ug/l #	72
29) Tetrahydrofuran	7.18	42	73266	101.439	ug/l #	86
30) Chloroform	7.35	83	70504	21.468	ug/l	99
31) Cyclohexane	7.63	56	60629	19.879	ug/l	86
32) 1,1,1-Trichloroethane	7.54	97	66108	21.771	ug/l	95
36) 1,1-Dichloropropene	7.77	75	51567	20.644	ug/l	95
37) Ethyl Acetate	6.90	43	46745	19.952	ug/l	96
38) Carbon Tetrachloride	7.75	117	57712	21.239	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	63067	20.476	ug/l	91
40) Benzene	8.02	78	154316	20.714	ug/l	100
41) Methacrylonitrile	7.18	41	67677	58.646	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	54656	21.638	ug/l	95
43) Isopropyl Acetate	8.14	43	81229	20.157	ug/l #	94
44) Trichloroethene	8.82	130	44874	22.065	ug/l	92
45) 1,2-Dichloropropane	9.10	63	38571	20.923	ug/l	99
46) Dibromomethane	9.19	93	27793	21.373	ug/l	90
47) Bromodichloromethane	9.39	83	56261	21.469	ug/l	98
48) Methyl methacrylate	9.18	41	36056	20.003	ug/l	90
49) 1,4-Dioxane	9.18	88	15101	457.634	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	235586	101.130	ug/l	95
52) Toluene	10.14	92	97809	20.785	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	60301	20.609	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	66393	21.565	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	40357	21.654	ug/l	95
56) Ethyl methacrylate	10.42	69	56229	19.745	ug/l	93
57) 1,3-Dichloropropane	10.70	76	63898	21.595	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	89349	104.166	ug/l	90
59) 2-Hexanone	10.74	43	169995	99.055	ug/l	93
60) Dibromochloromethane	10.89	129	44756	21.088	ug/l	100
61) 1,2-Dibromoethane	10.99	107	40984	20.981	ug/l	98
64) Tetrachloroethene	10.62	164	44210	20.959	ug/l	94
65) Chlorobenzene	11.43	112	106716	20.978	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	43189	21.972	ug/l	99
67) Ethyl Benzene	11.50	91	191239	20.709	ug/l	97
68) m/p-Xylenes	11.62	106	145159	41.614	ug/l	93
69) o-Xylene	11.94	106	70696	20.701	ug/l	94
70) Styrene	11.96	104	112667	19.716	ug/l	96
71) Bromoform	12.12	173	33681	21.392	ug/l #	100
73) Isopropylbenzene	12.25	105	190257	21.386	ug/l	100
74) N-amyl acetate	12.07	43	66667	19.313	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	53716	20.828	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	71279	34.917	ug/l #	100
77) Bromobenzene	12.52	156	47723	21.183	ug/l	82
78) n-propylbenzene	12.59	91	210033	21.035	ug/l	97
79) 2-Chlorotoluene	12.67	91	123512	20.793	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	158739	21.217	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19125	20.119	ug/l	94
82) 4-Chlorotoluene	12.77	91	124031	20.818	ug/l	95
83) tert-Butylbenzene	12.99	119	137590	21.263	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	157451	21.272	ug/l	98
85) sec-Butylbenzene	13.17	105	179211	21.080	ug/l	98
86) p-Isopropyltoluene	13.28	119	165046	20.981	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	82761	21.149	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	82701	21.184	ug/l	97
89) n-Butylbenzene	13.61	91	136737	20.387	ug/l	98
90) Hexachloroethane	13.87	117	30992	21.057	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	82013	21.199	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12093	20.619	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48179	20.725	ug/l	99
94) Hexachlorobutadiene	15.01	225	27809	21.708	ug/l	99
95) Naphthalene	15.13	128	130789	19.780	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46994	20.769	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: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

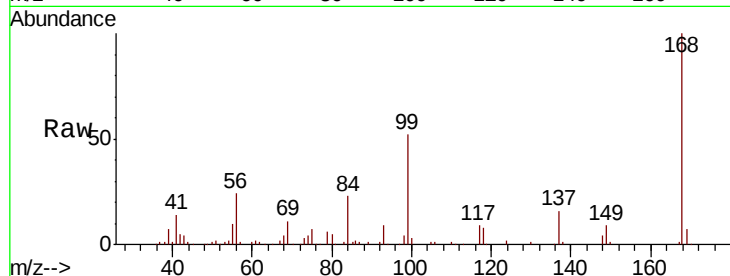
ClientSampled :

Tot Ion:168 Resp: 185623

Ion Ratio Lower Upper

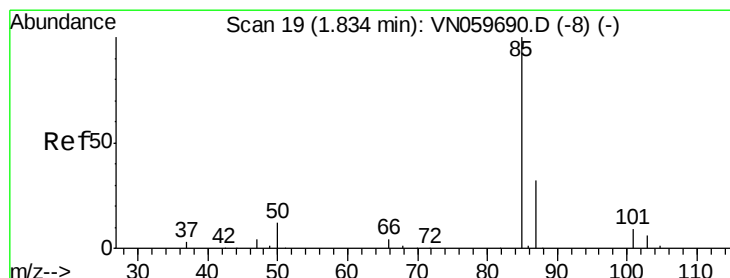
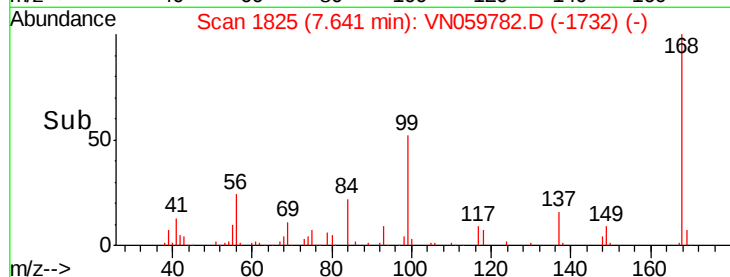
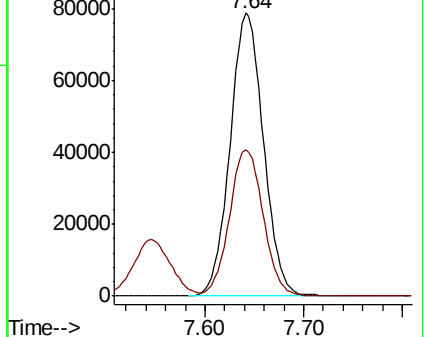
168 100

99 51.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)



#2

Dichlorodifluoromethane

Concen: 20.964 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059782.D

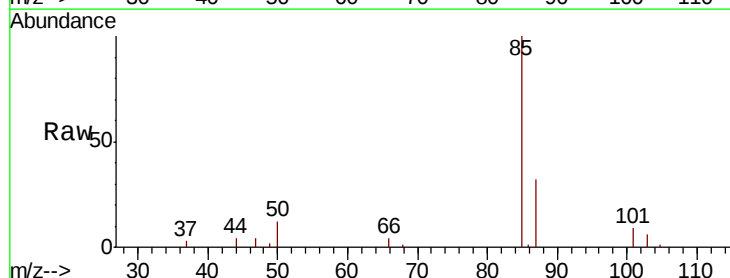
Acq: 20 Jan 2020 13:17

Tgt Ion: 85 Resp: 46544

Ion Ratio Lower Upper

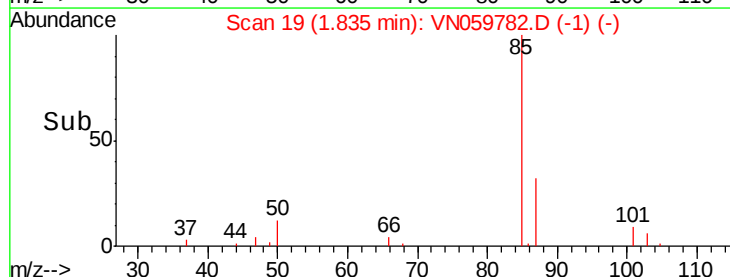
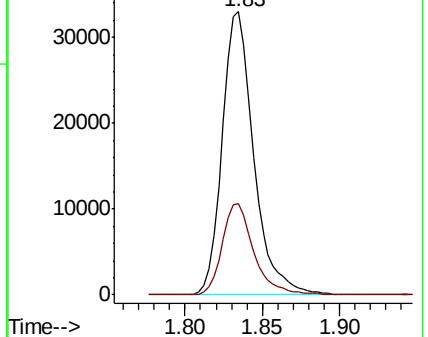
85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059690.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059690.D (-8) (-)





#3

Chloromethane

Concen: 20.160 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

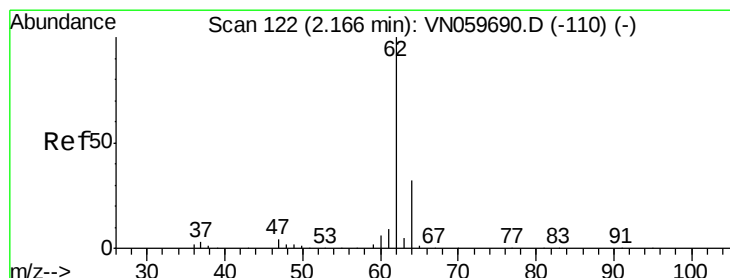
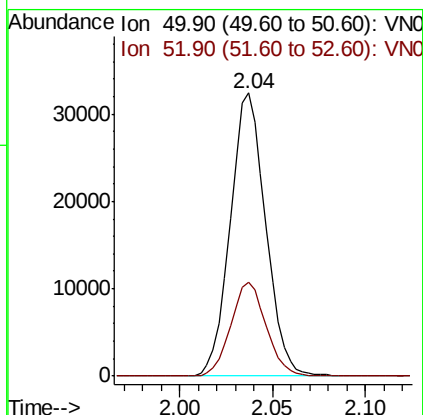
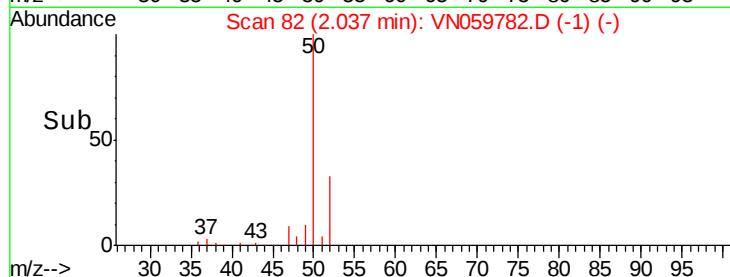
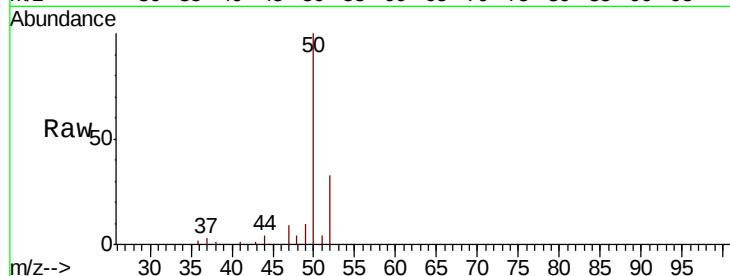
ClientSampleId :

Tot Ion: 50 Resp: 42843

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9



#4

Vinyl Chloride

Concen: 22.174 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059782.D

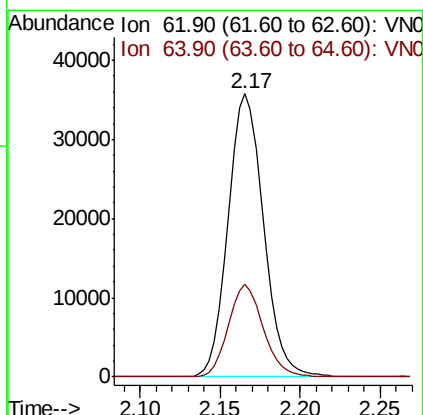
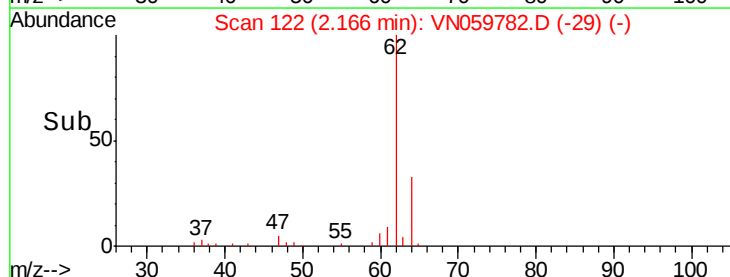
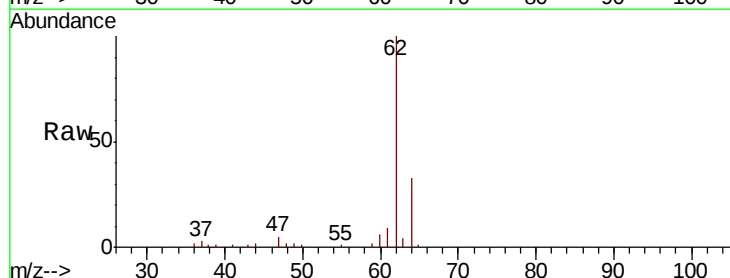
Acq: 20 Jan 2020 13:17

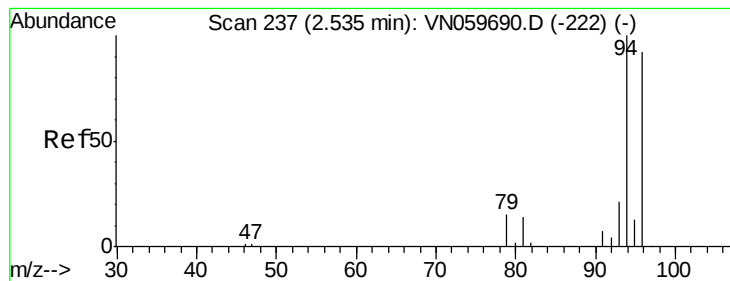
Tgt Ion: 62 Resp: 53916

Ion Ratio Lower Upper

62 100

64 32.6 24.6 37.0





#5

Bromomethane

Concen: 22.144 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

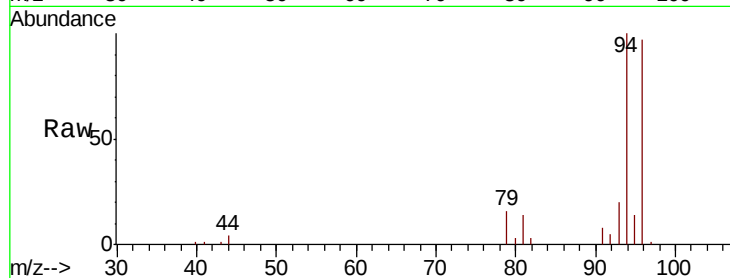
ClientSampleId :

Tot Ion: 94 Resp: 32860

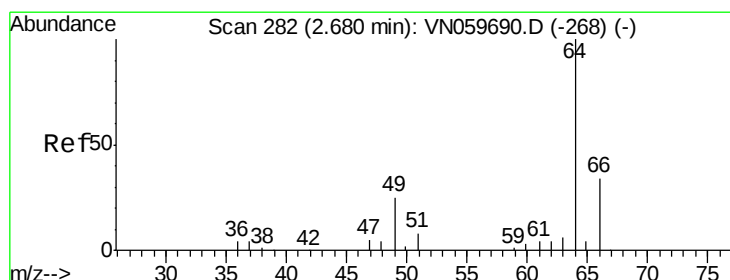
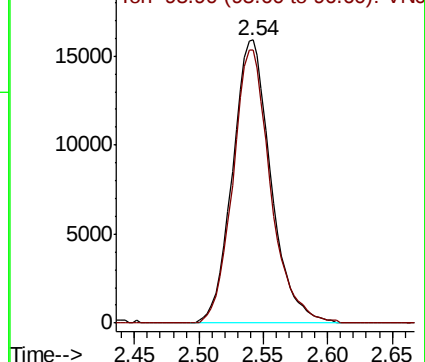
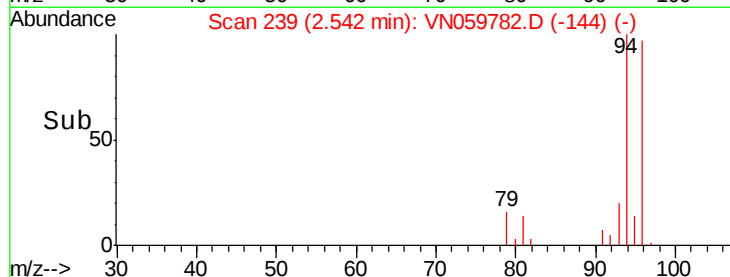
Ion Ratio Lower Upper

94 100

96 96.5 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN059782.D (-144) (-)



#6

Chloroethane

Concen: 21.433 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059782.D

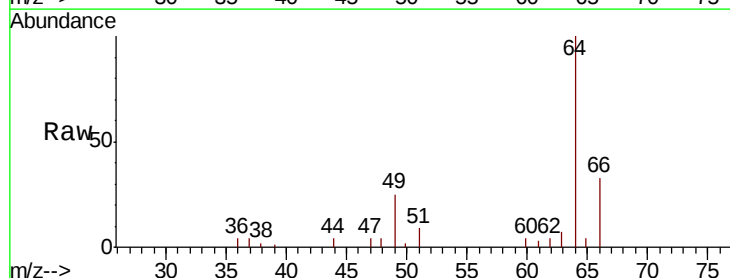
Acq: 20 Jan 2020 13:17

Tgt Ion: 64 Resp: 24656

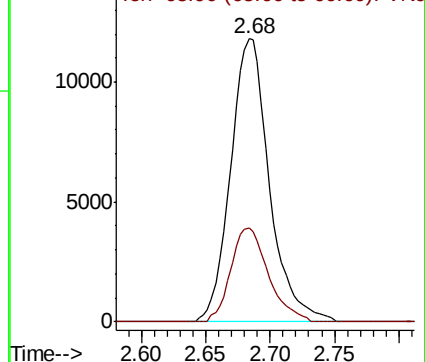
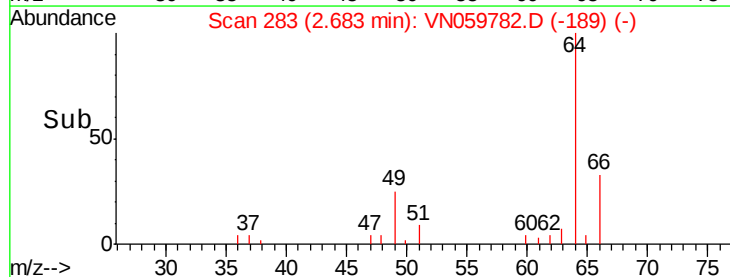
Ion Ratio Lower Upper

64 100

66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN059782.D (-189) (-)



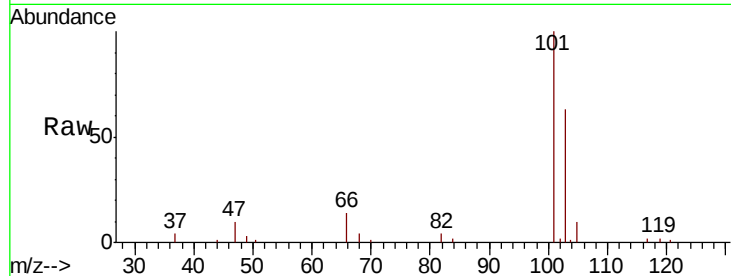


#7

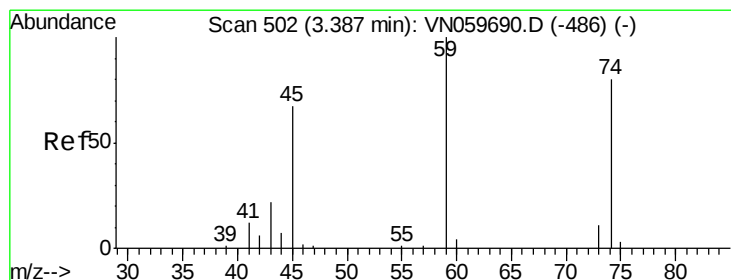
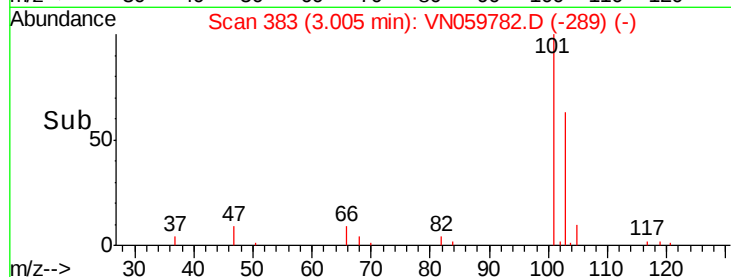
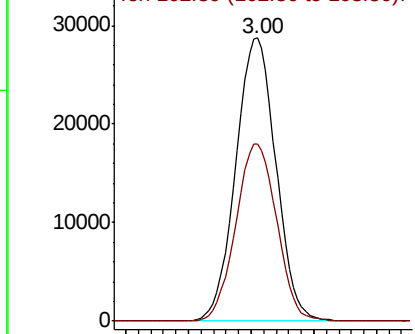
Trichlorofluoromethane
Concen: 21.907 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 63972
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.6



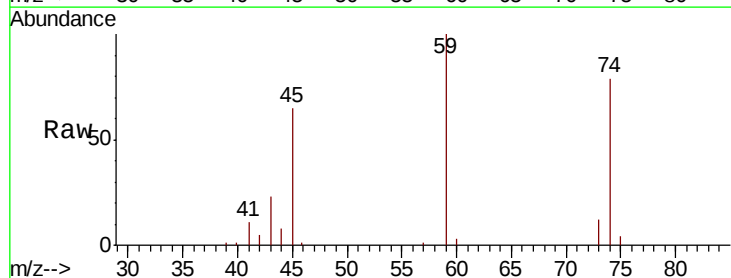
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



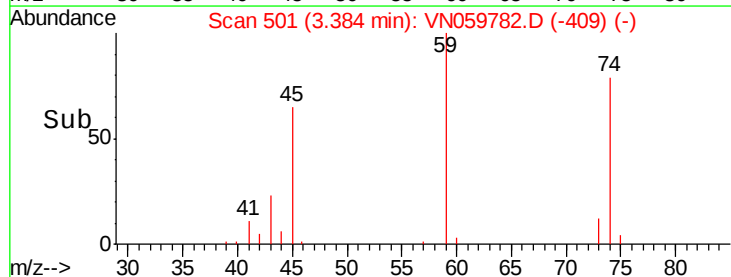
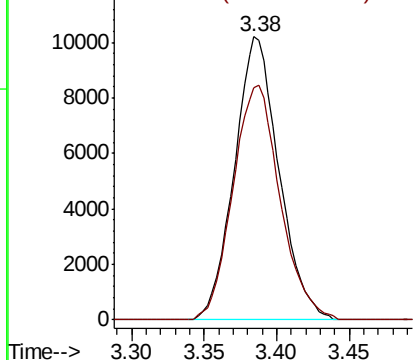
#8

Diethyl Ether
Concen: 21.261 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 74 Resp: 21788
Ion Ratio Lower Upper
74 100
45 87.6 51.9 155.8



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

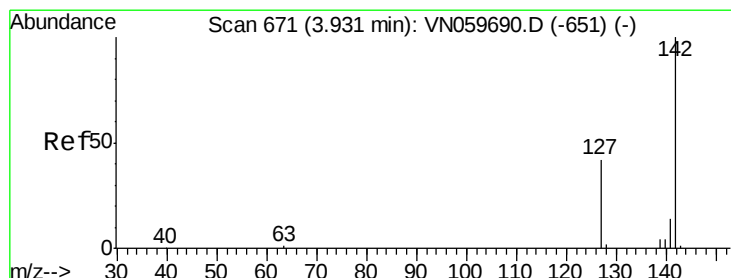
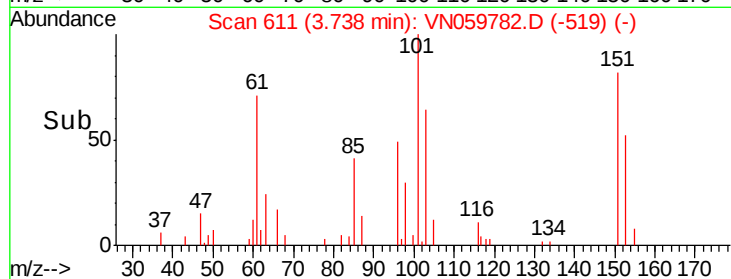
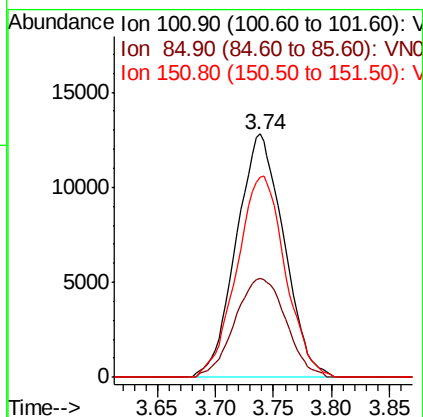
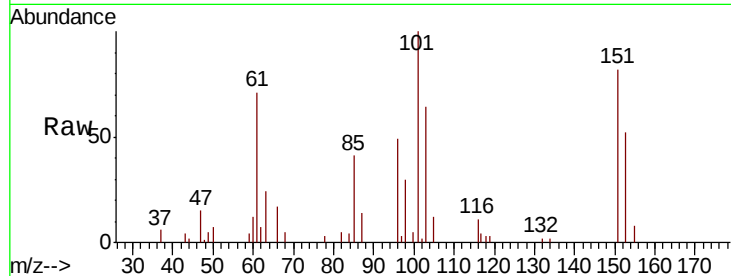




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.407 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

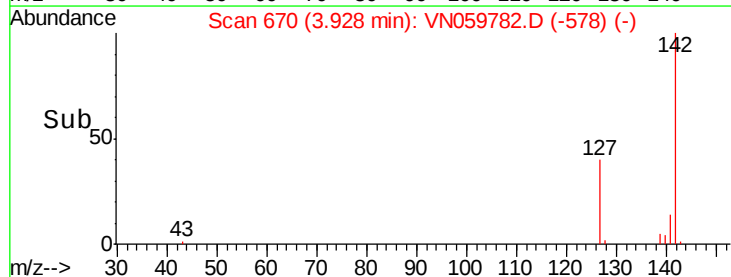
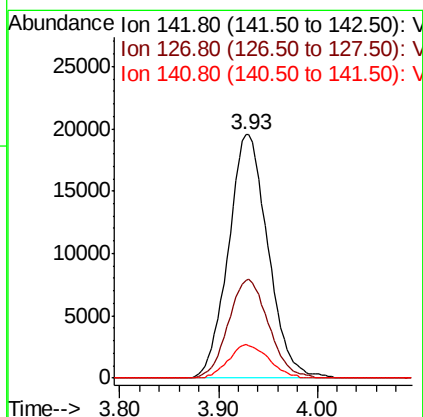
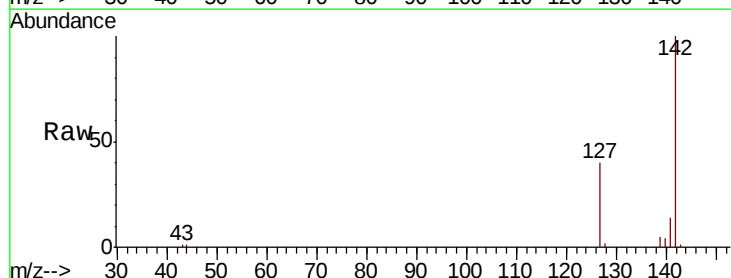
Instrument :
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 ClientSampleId :

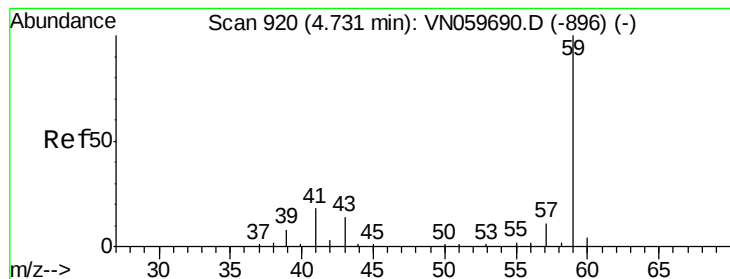
Tot Ion:101 Resp: 36416
 Ion Ratio Lower Upper
 101 100
 85 43.7 36.6 54.8
 151 84.2 59.7 89.5



#10
 Methyl Iodide
 Concen: 20.775 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Tgt Ion:142 Resp: 54576
 Ion Ratio Lower Upper
 142 100
 127 41.1 36.7 55.1
 141 13.9 11.7 17.5



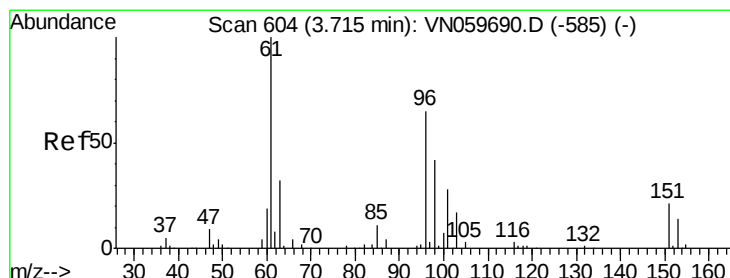
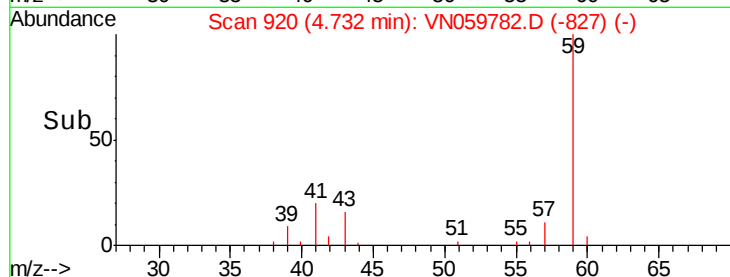
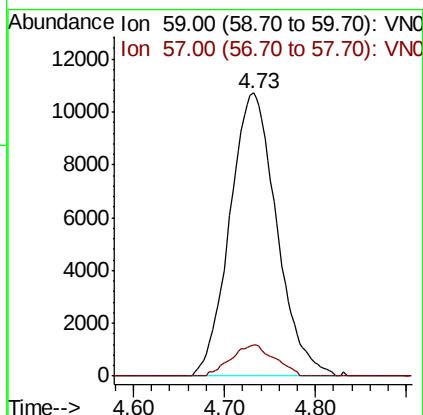
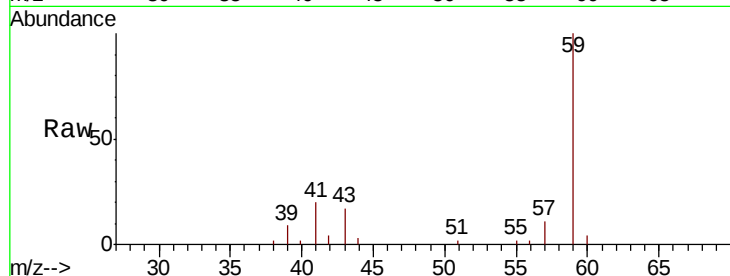


#11

Tert butyl alcohol
Concen: 110.237 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Instrument :
MSVOA_N
ClientSampled :

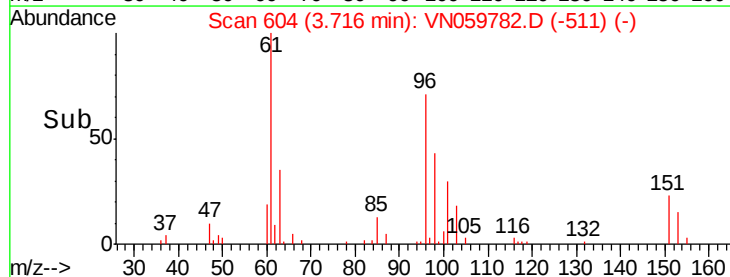
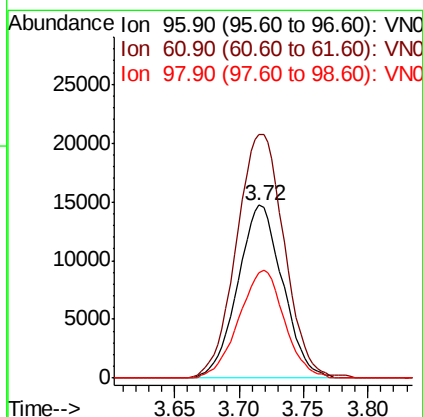
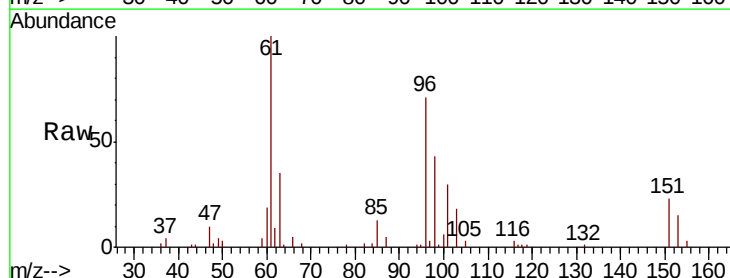
Tot Ion: 59 Resp: 38255
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8

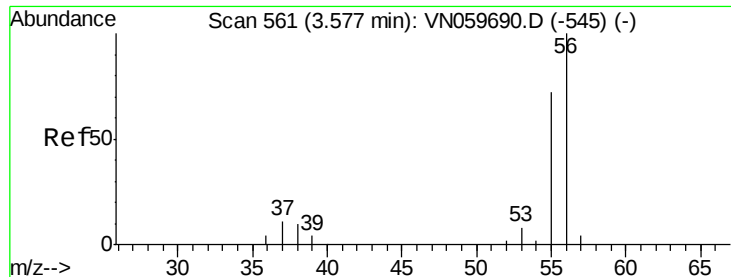


#12

1,1-Dichloroethene
Concen: 21.066 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 96 Resp: 35775
Ion Ratio Lower Upper
96 100
61 140.5 137.5 206.3
98 60.7 50.2 75.4





#13

Acrolein

Concen: 64.009 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

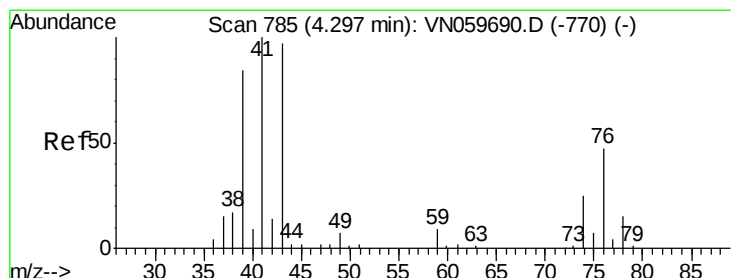
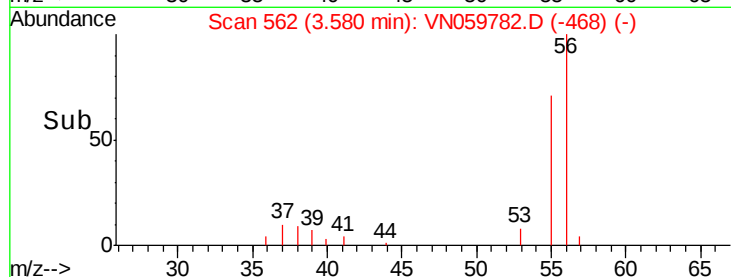
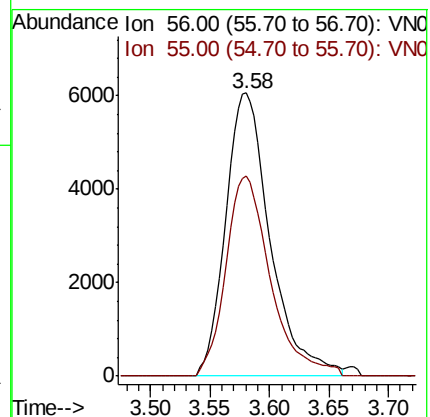
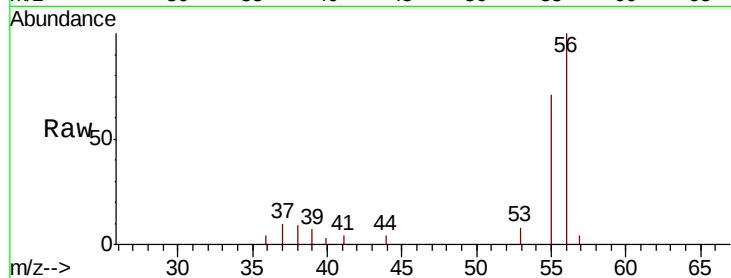
ClientSampled :

Tot Ion: 56 Resp: 15724

Ion Ratio Lower Upper

56 100

55 70.7 58.6 88.0



#14

Allyl chloride

Concen: 20.836 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

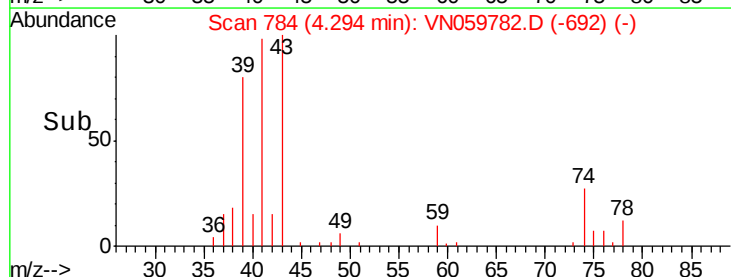
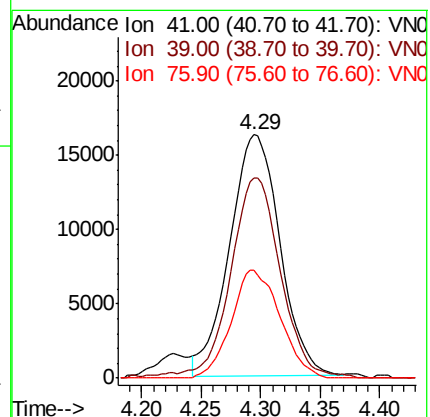
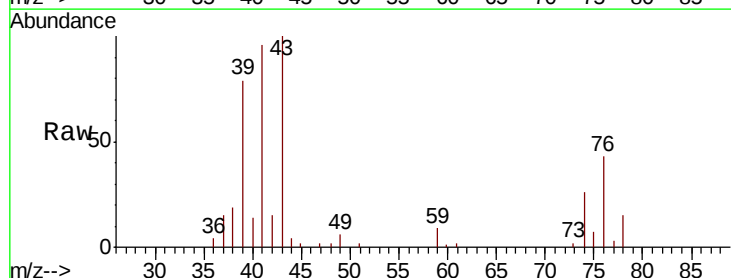
Tgt Ion: 41 Resp: 47694

Ion Ratio Lower Upper

41 100

39 81.7 57.8 86.8

76 43.3 25.4 38.0#





#15

Acrylonitrile

Concen: 108.149 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

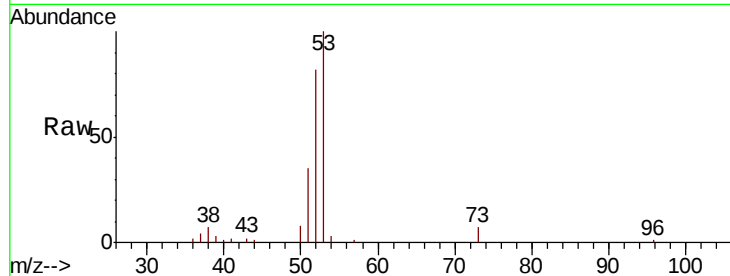
Tot Ion: 53 Resp: 85610

Ion Ratio Lower Upper

53 100

52 81.6 66.3 99.5

51 36.0 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059690.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN059690.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN059690.D (-964) (-)

4.95

30000

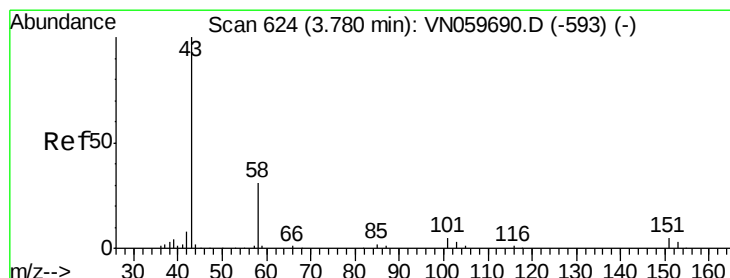
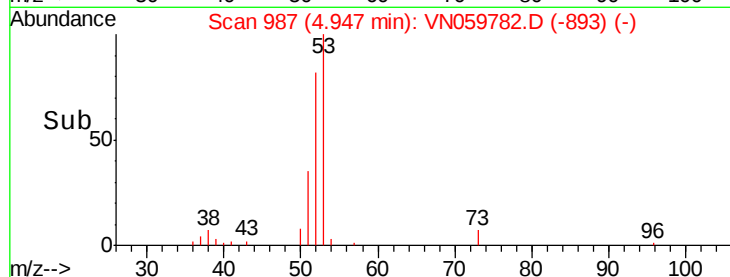
20000

10000

0

Time-->

4.80 4.90 5.00 5.10



#16

Acetone

Concen: 109.164 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059782.D

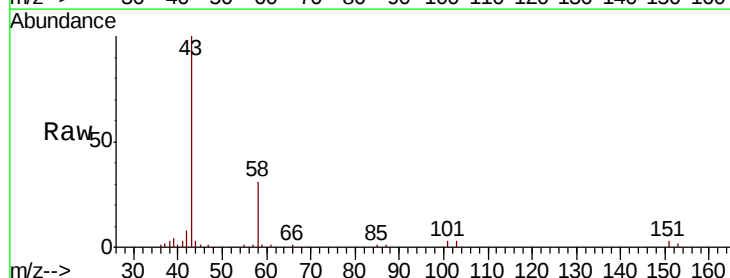
Acq: 20 Jan 2020 13:17

Tgt Ion: 43 Resp: 80716

Ion Ratio Lower Upper

43 100

58 31.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-593) (-)

3.78

30000

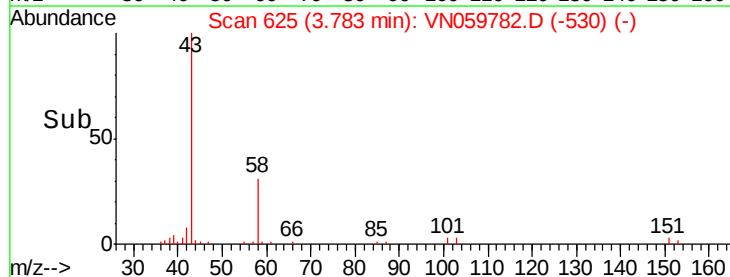
20000

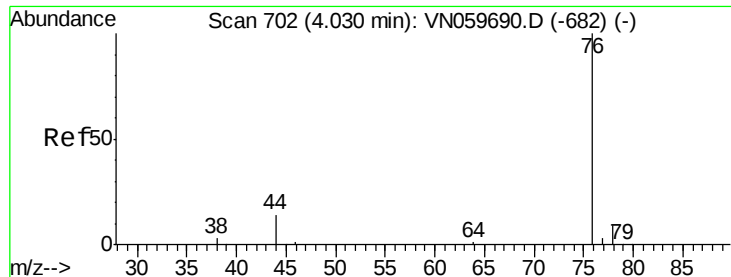
10000

0

Time-->

3.70 3.80 3.90

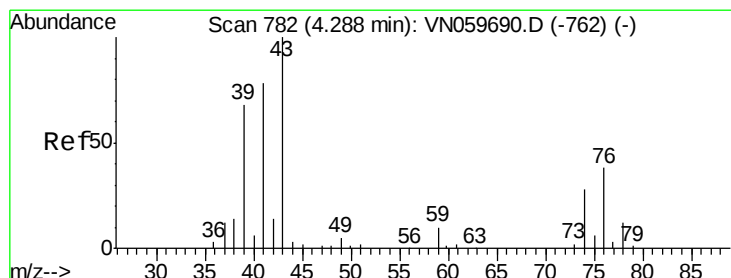
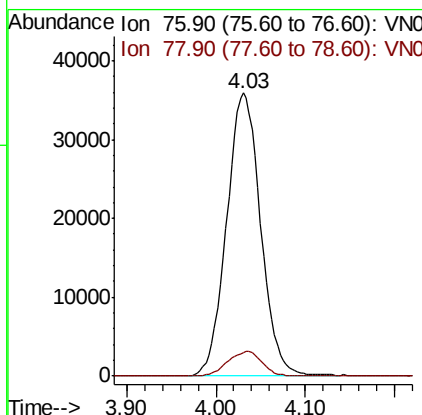
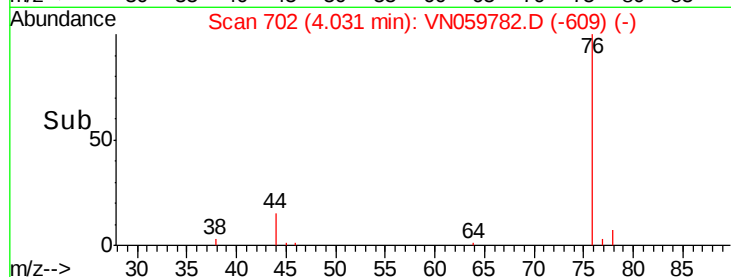
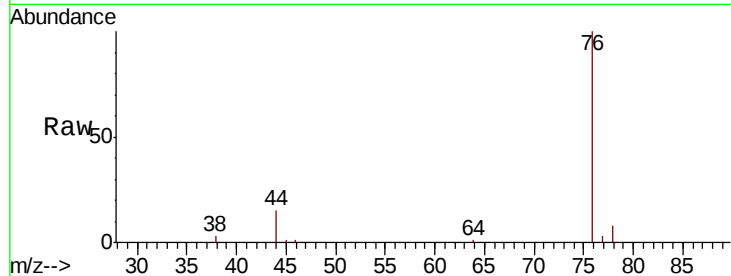




#17
Carbon Disulfide
Concen: 19.614 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

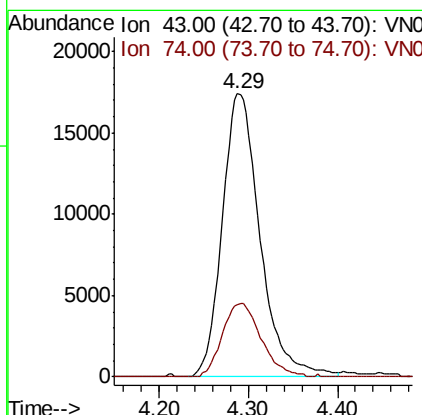
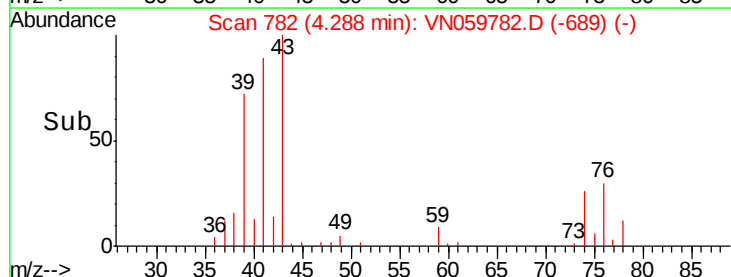
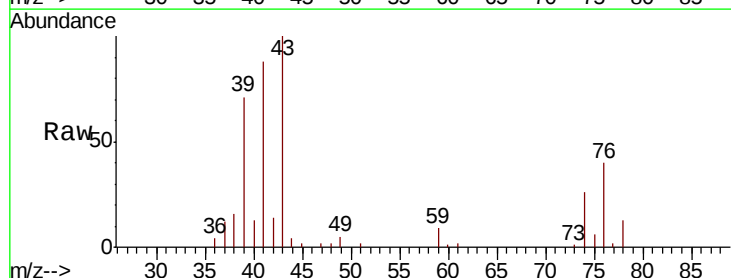
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 94889
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#18
Methyl Acetate
Concen: 21.233 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 43 Resp: 51125
Ion Ratio Lower Upper
43 100
74 26.7 17.5 26.3#

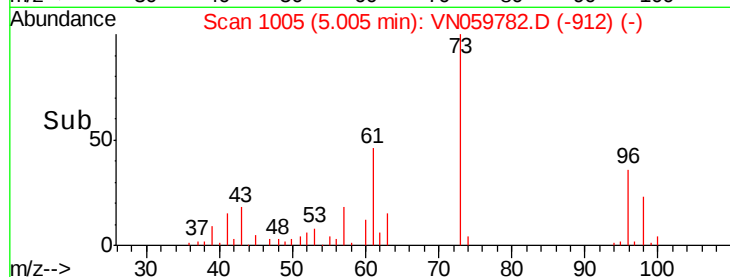
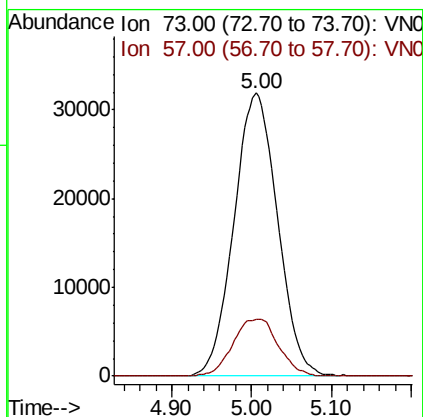
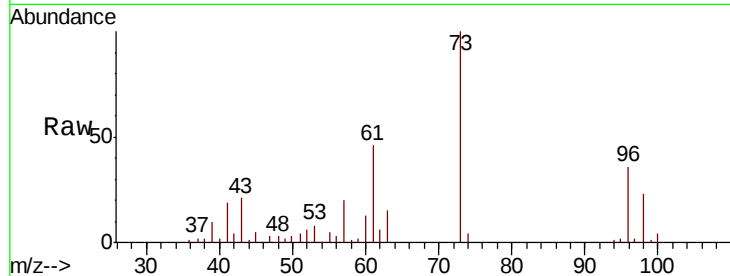




#19
Methvl tert-butvl Ether
Concen: 21.355 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

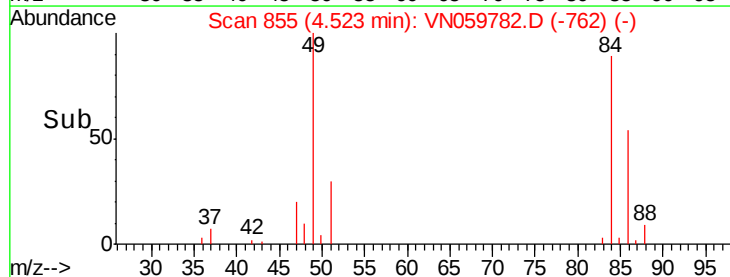
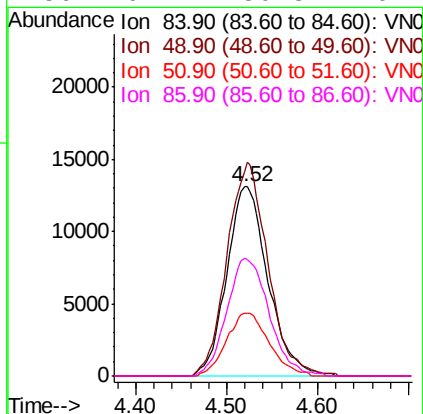
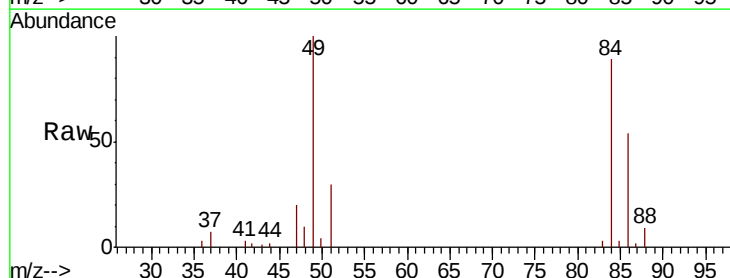
Instrument :
MSVOA_N
ClientSampleId :

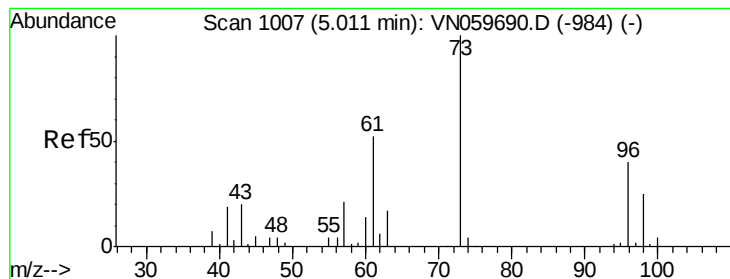
Tot Ion: 73 Resp: 118246
Ion Ratio Lower Upper
73 100
57 20.0 18.6 27.8



#20
Methylene Chloride
Concen: 21.374 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 84 Resp: 41244
Ion Ratio Lower Upper
84 100
49 112.8 106.6 160.0
51 33.3 31.9 47.9
86 61.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.964 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

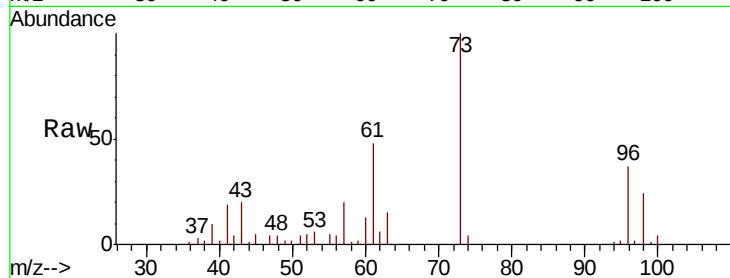
Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 37844

Ion	Ratio	Lower	Upper
96	100		
61	128.2	120.4	180.6
98	63.6	50.6	75.8

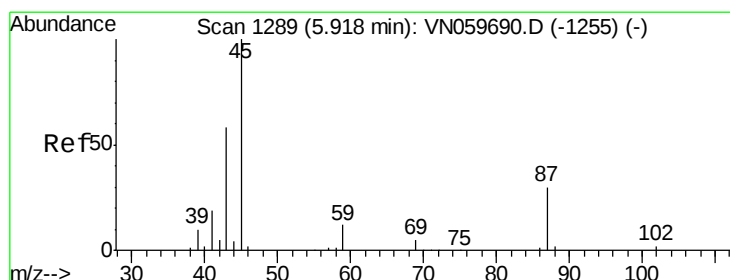
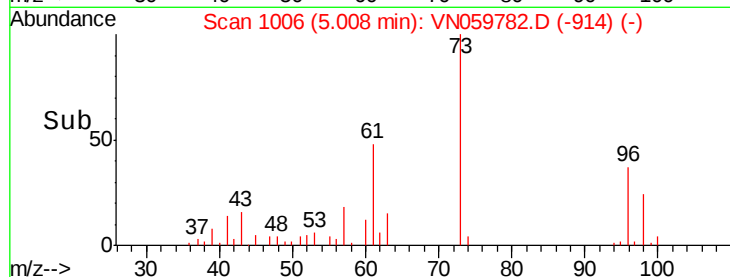
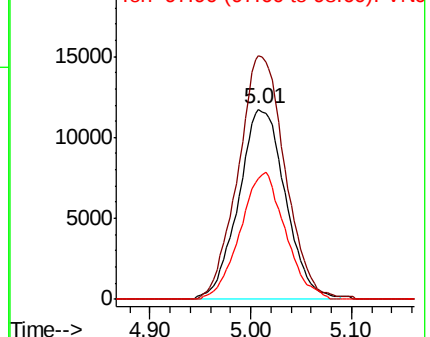


Abundance

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: 20.665 ug/l

RT: 5.91 min Scan# 1288

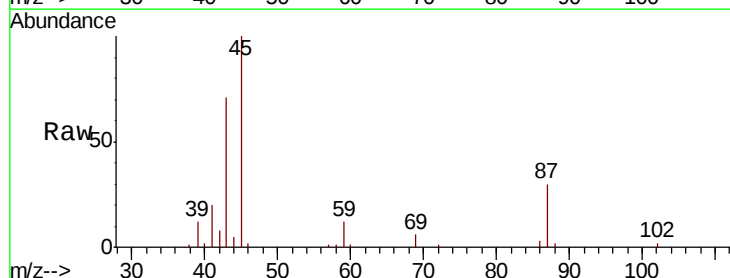
Delta R.T. -0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Tgt Ion: 45 Resp: 107197

Ion	Ratio	Lower	Upper
45	100		
43	68.4	50.8	76.2
87	30.4	21.0	31.6
59	12.2	9.1	13.7



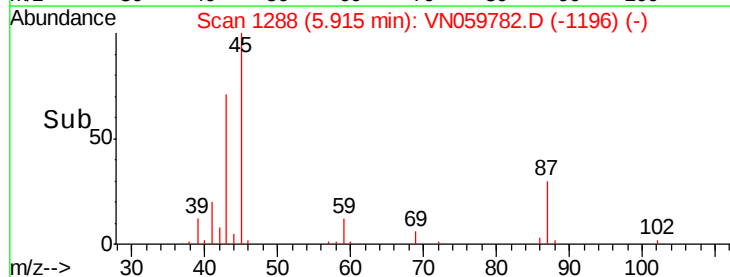
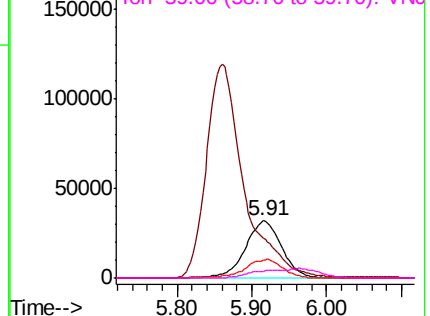
Abundance

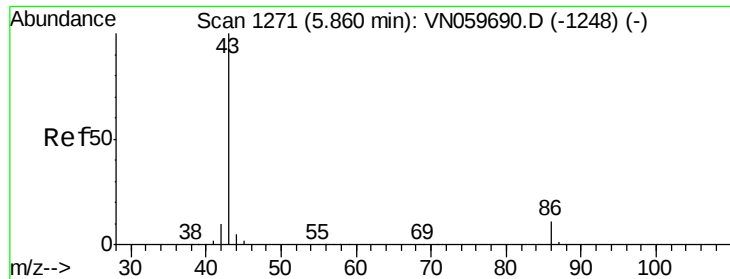
Ion 45.00 (44.70 to 45.70): VN0

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: 103.402 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

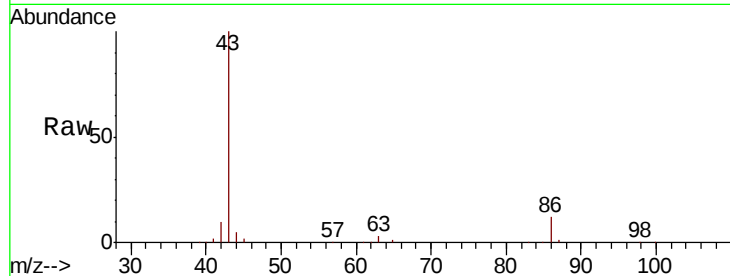
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 415296

Ion Ratio Lower Upper

43 100

86 11.9 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059782.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059782.D (-1178) (-)

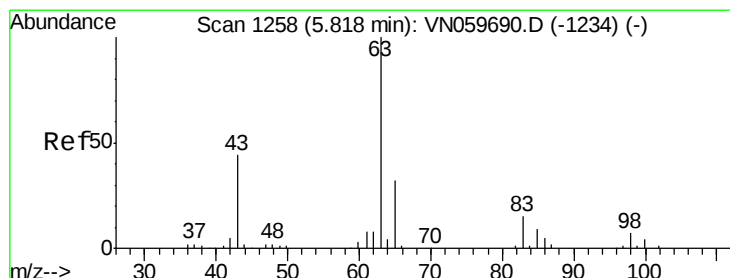
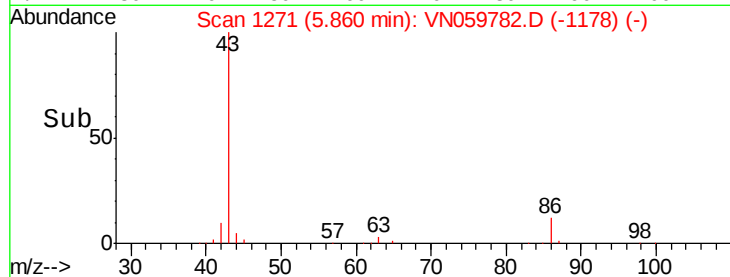
5.86

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.869 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

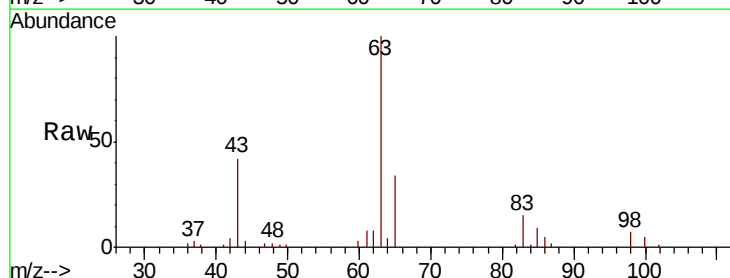
Tgt Ion: 63 Resp: 66148

Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.7

100 4.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059782.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059782.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059782.D (-1165) (-)

5.82

25000

20000

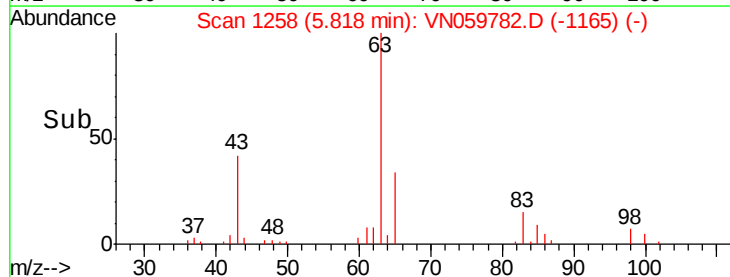
15000

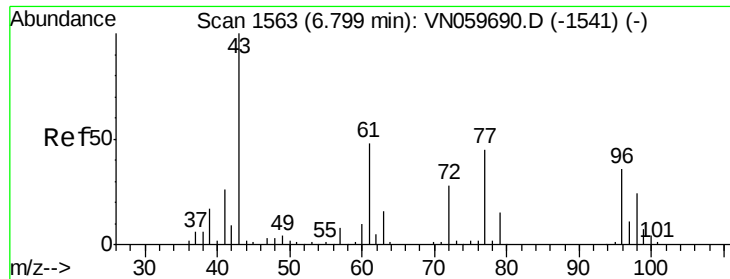
10000

5000

0

Time-->

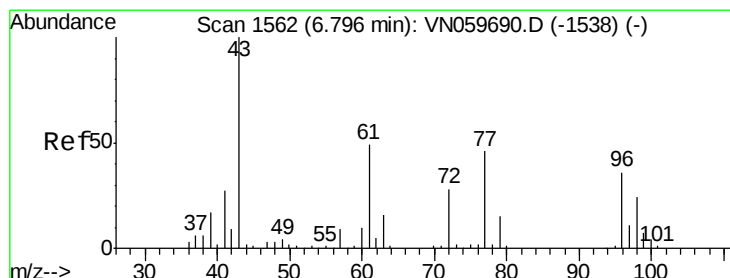
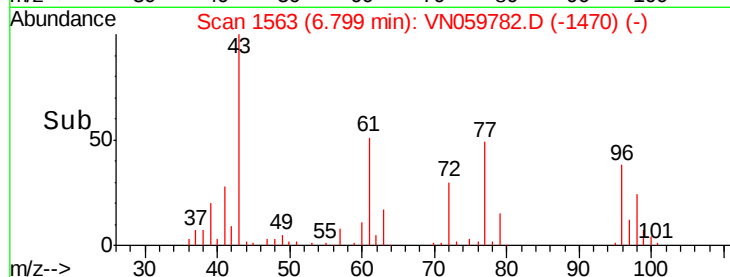
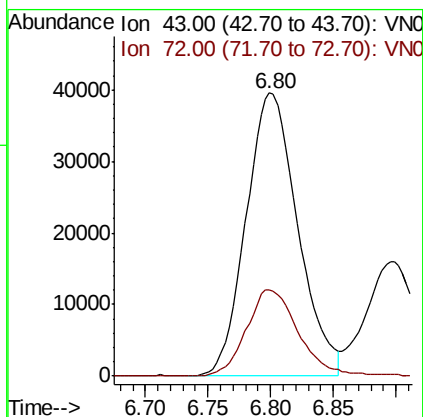
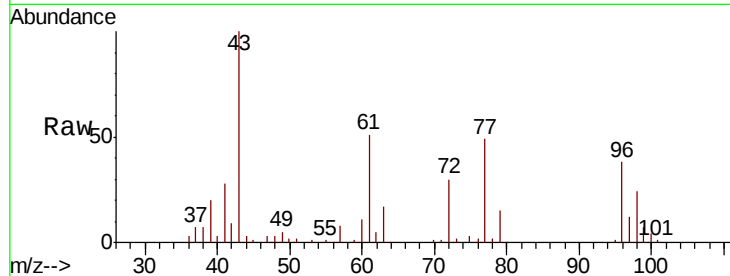




#25
2-Butanone
Concen: 97.227 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

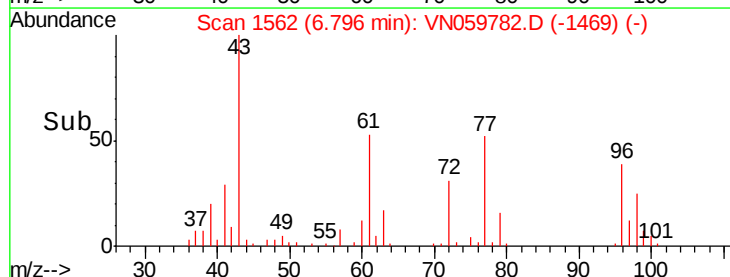
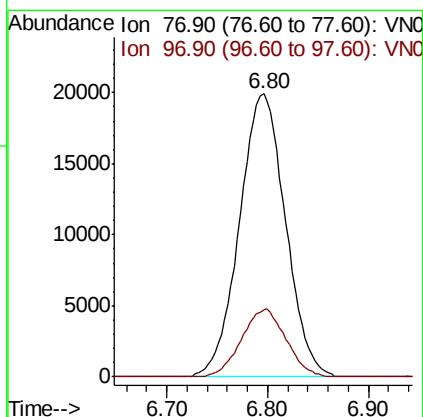
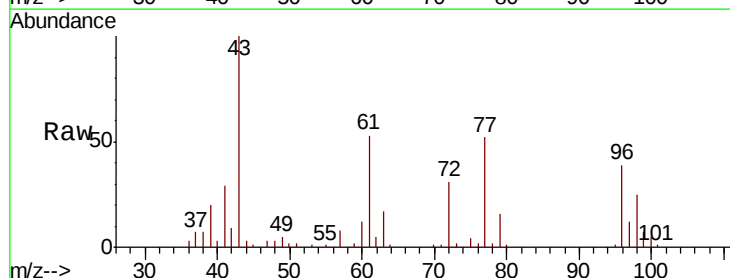
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 113498
Ion Ratio Lower Upper
43 100
72 30.4 19.9 29.9#



#26
2,2-Dichloropropane
Concen: 20.708 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 77 Resp: 63102
Ion Ratio Lower Upper
77 100
97 23.2 10.7 31.9

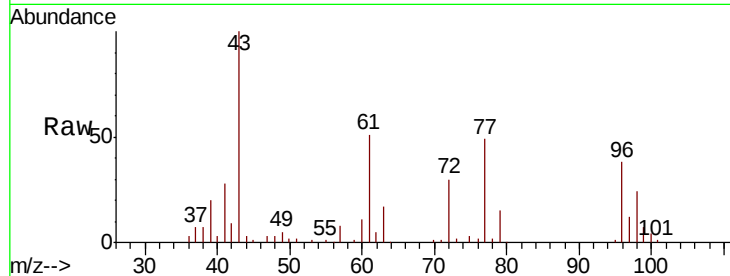




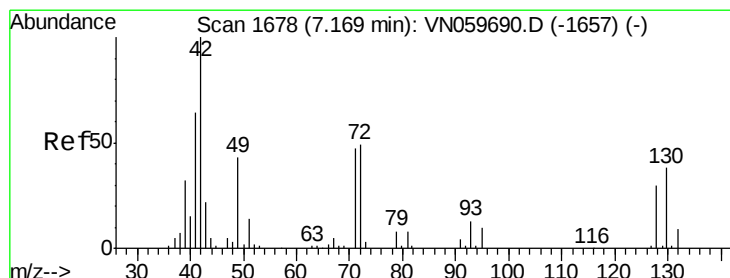
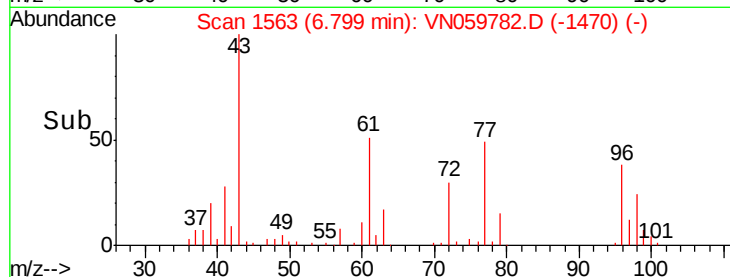
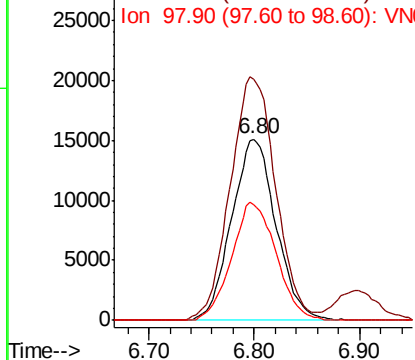
#27
 cis-1,2-Dichloroethene
 Concen: 21.217 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 44054
 Ion Ratio Lower Upper
 96 100
 61 137.7 0.0 317.6
 98 65.3 0.0 127.0

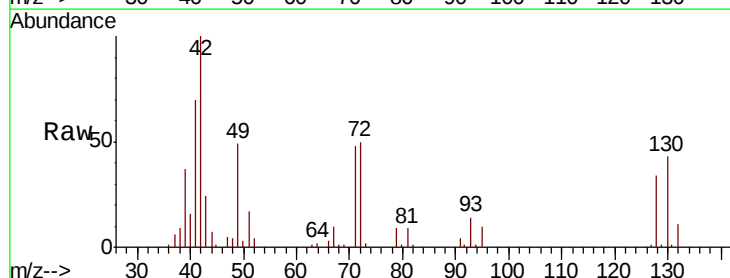


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

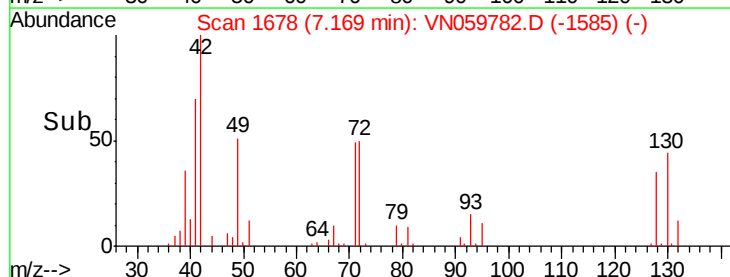
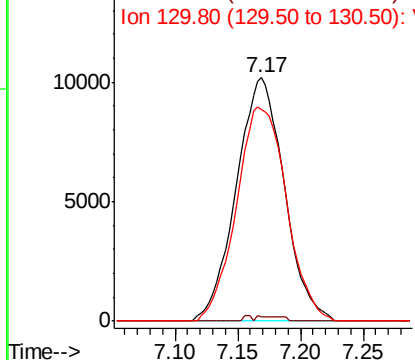


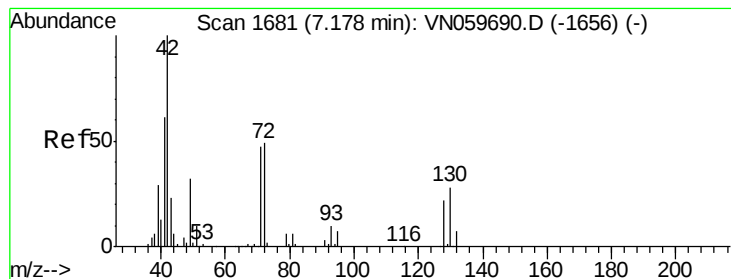
#28
 Bromochloromethane
 Concen: 21.373 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Tgt Ion: 49 Resp: 27076
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 3.4
 130 91.8 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: 101.439 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

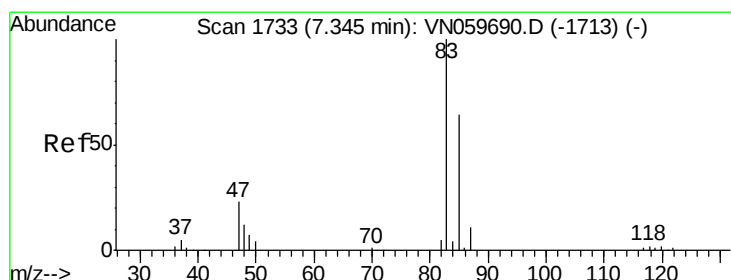
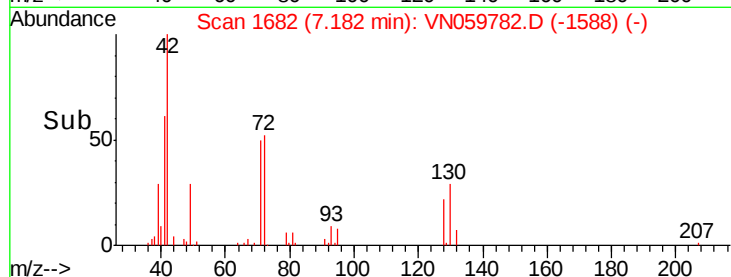
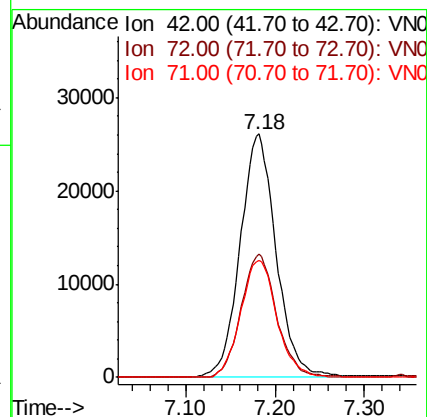
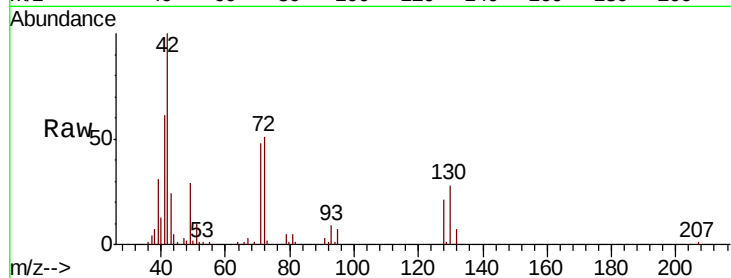
Tot Ion: 42 Resp: 73266

Ion Ratio Lower Upper

42 100

72 49.8 33.1 49.7#

71 48.0 31.4 47.0#



#30

Chloroform

Concen: 21.468 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN059782.D

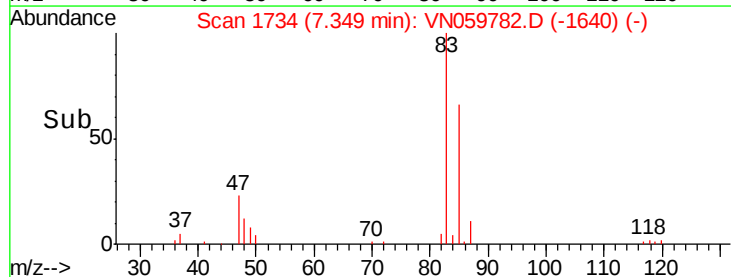
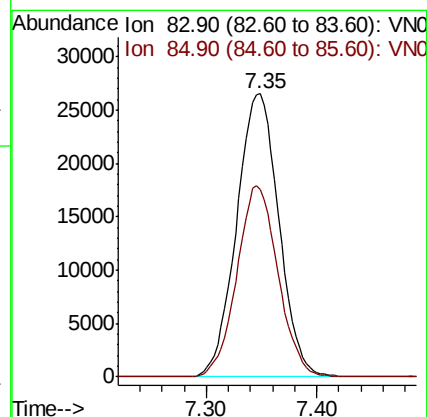
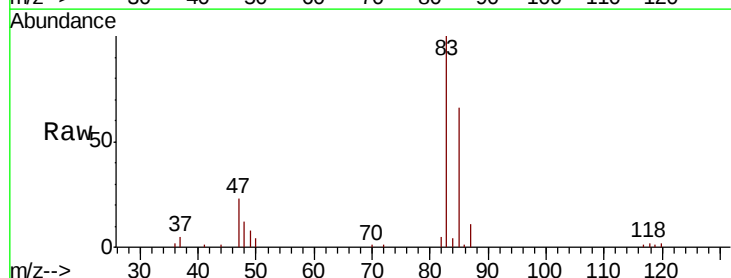
Acq: 20 Jan 2020 13:17

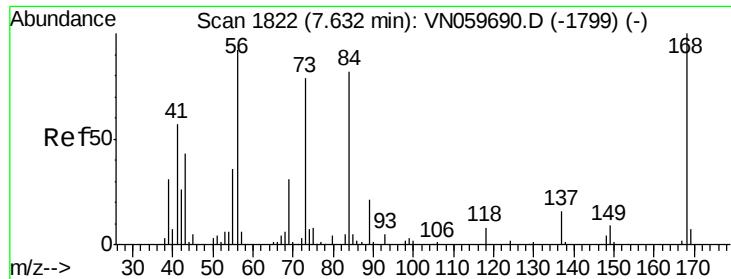
Tgt Ion: 83 Resp: 70504

Ion Ratio Lower Upper

83 100

85 66.2 52.4 78.6

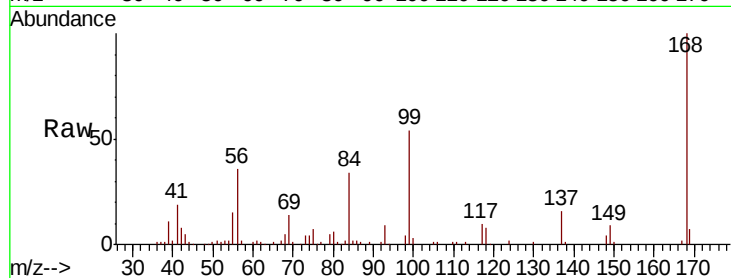




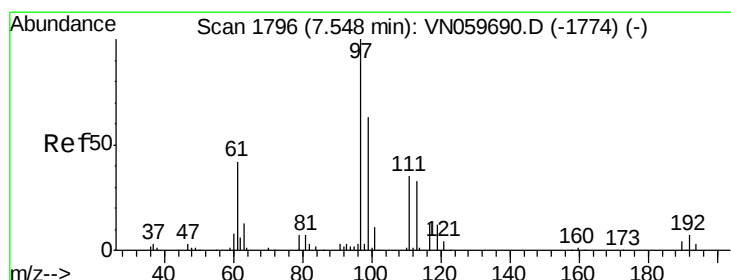
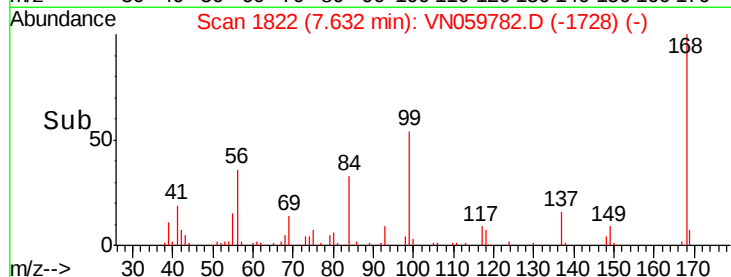
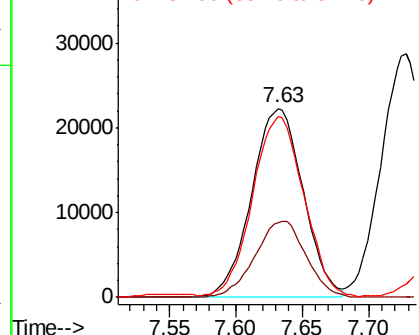
#31
Cyclohexane
Concen: 19.879 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	56	Resp	60629
Ion	Ratio	Lower	Upper
56	100		
69	39.7	26.5	39.7
84	94.8	65.3	97.9

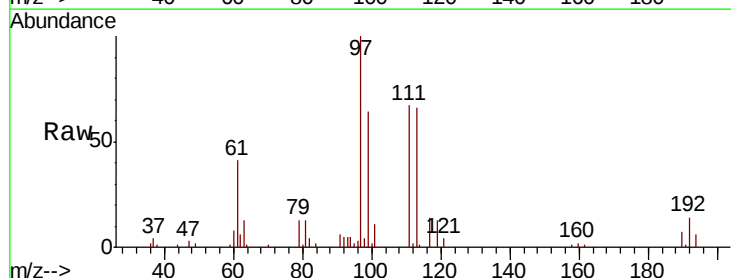


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

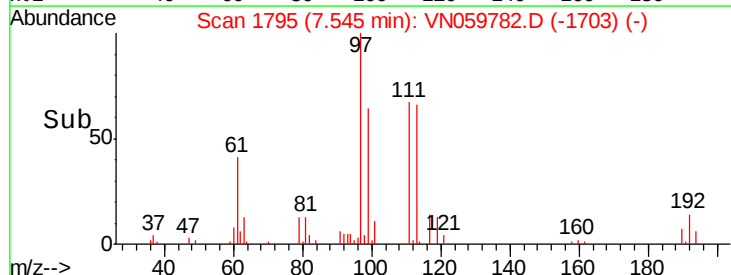
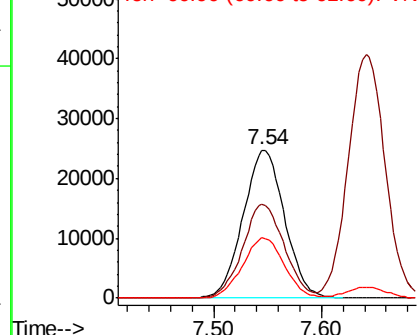


#32
1,1,1-Trichloroethane
Concen: 21.771 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion	97	Resp	66108
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	40.9	38.5	57.7



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

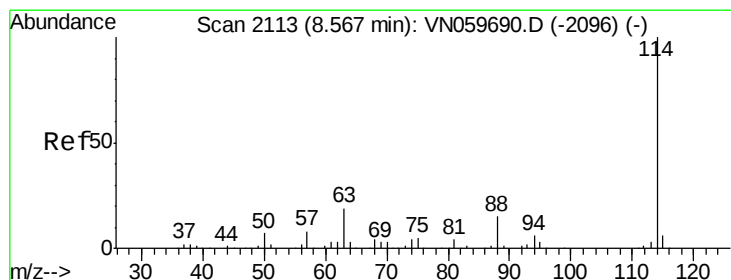
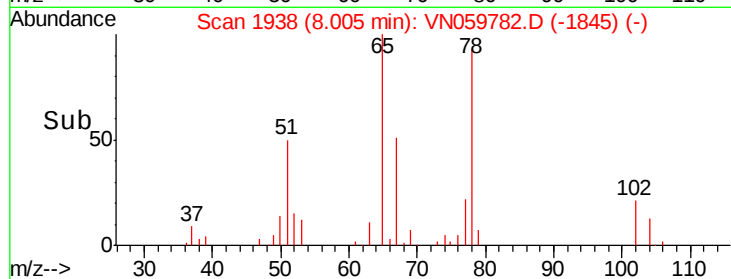
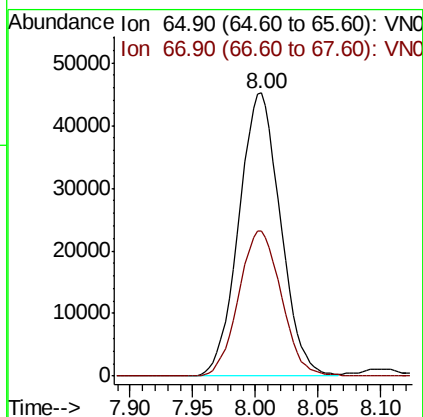
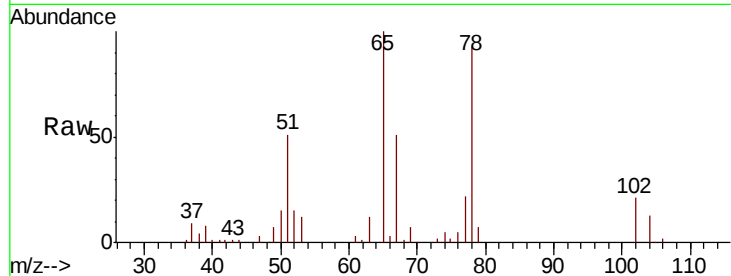




#33
 1,2-Dichloroethane-d4
 Concen: 50.681 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

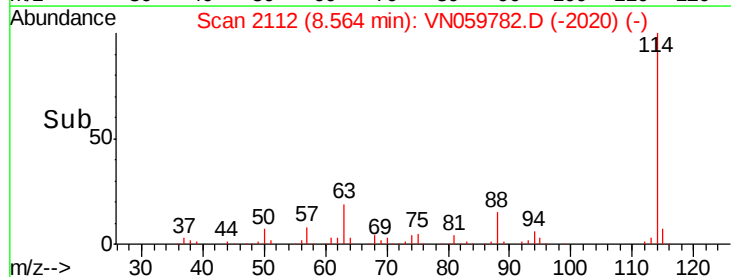
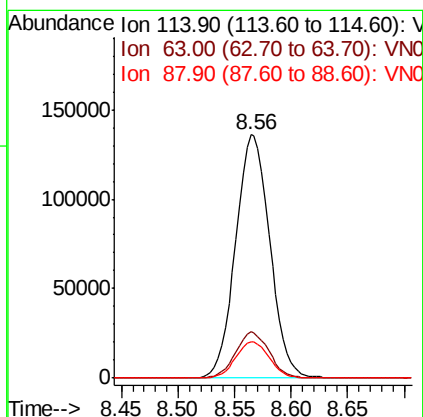
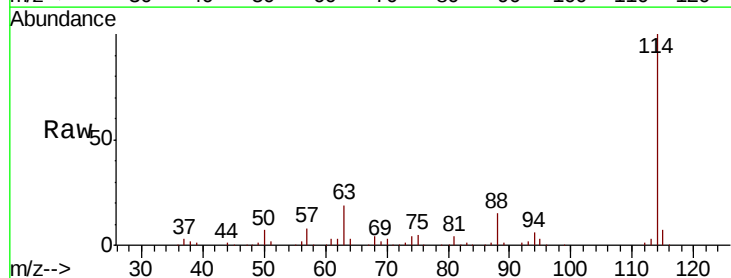
Instrument :
 MSVOA_N
 ClientSampleId :

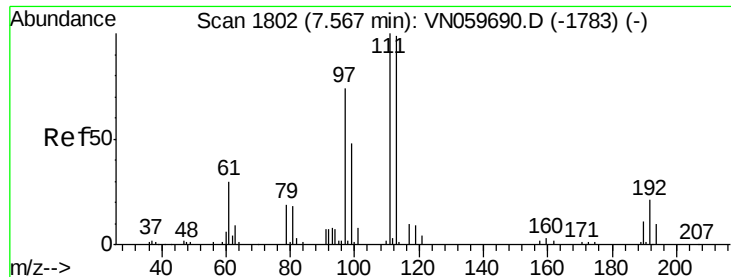
Tot Ion: 65 Resp: 104473
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Tgt Ion: 114 Resp: 286847
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.6
 88 14.9 0.0 31.4

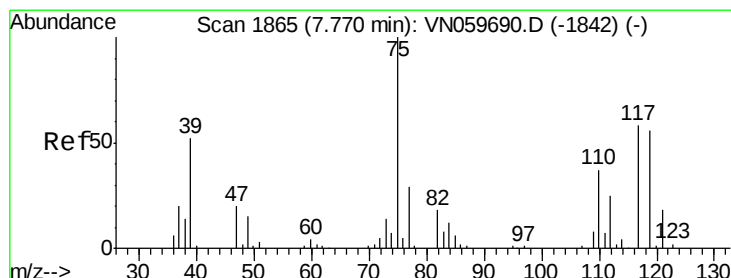
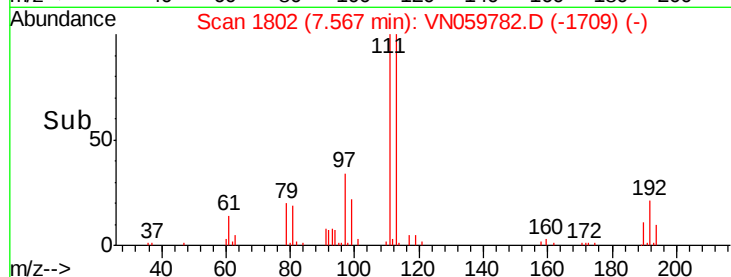
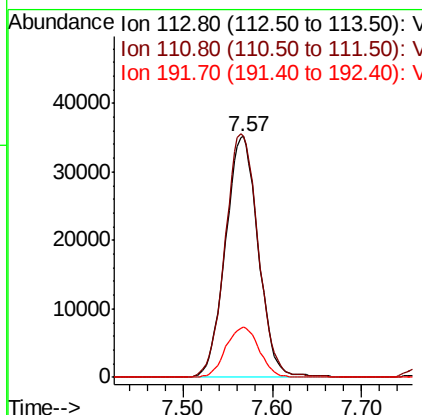
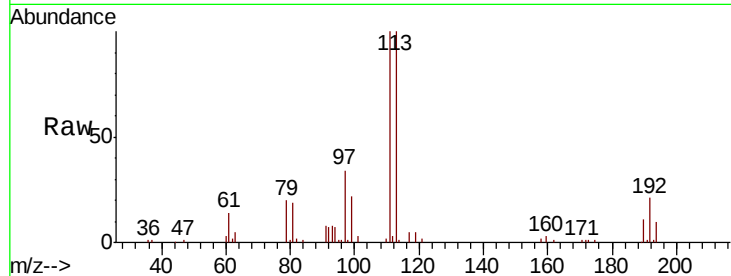




#35
 Dibromofluoromethane
 Concen: 52.408 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

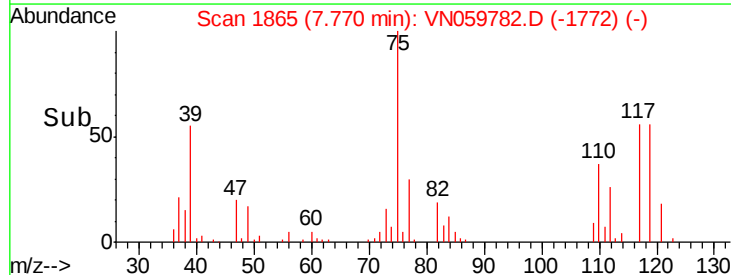
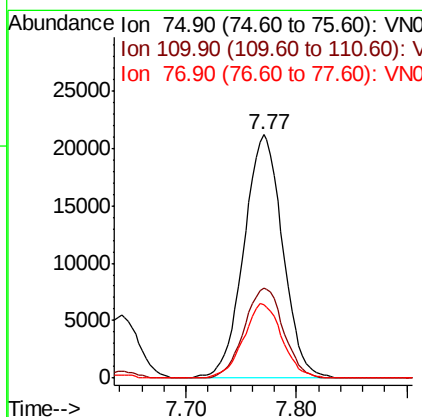
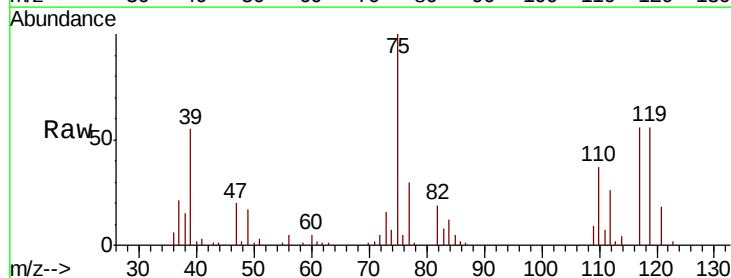
Instrument :
 MSVOA_N
 ClientSampleId :

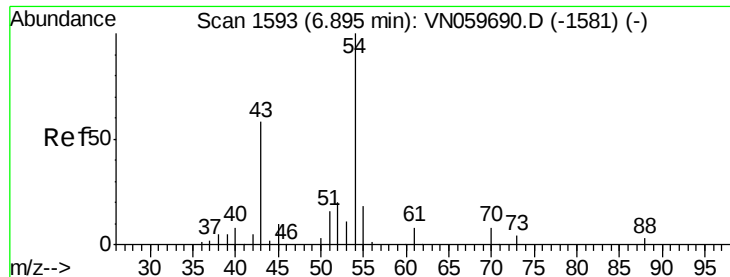
Tot Ion:113 Resp: 89649
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.5 125.3
 192 21.0 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 20.644 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Tgt Ion: 75 Resp: 51567
 Ion Ratio Lower Upper
 75 100
 110 37.2 16.6 49.7
 77 30.4 25.1 37.7

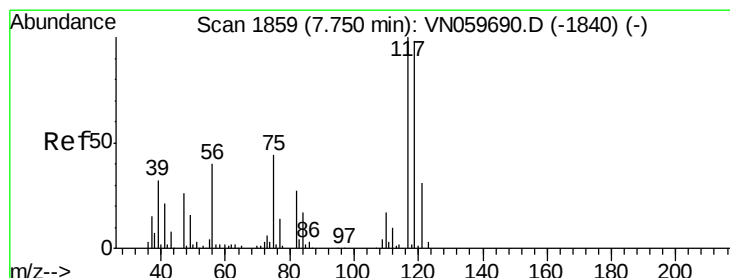
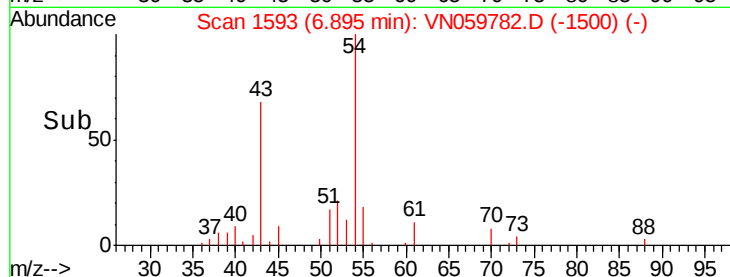
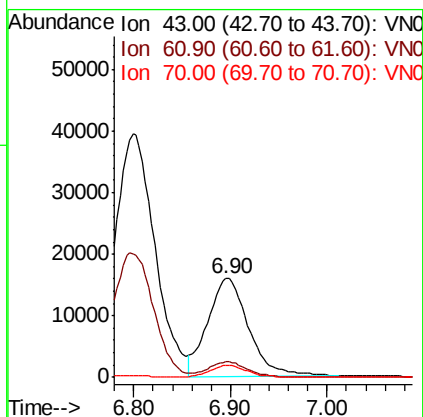
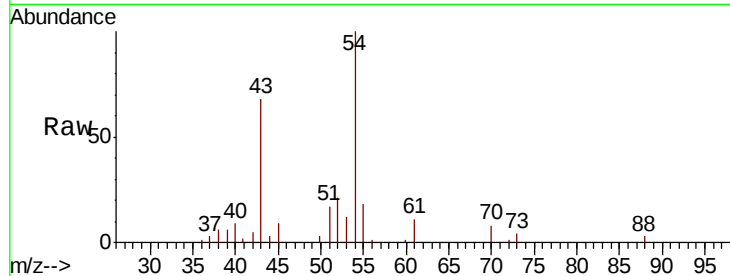




#37
Ethyl Acetate
Concen: 19.952 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

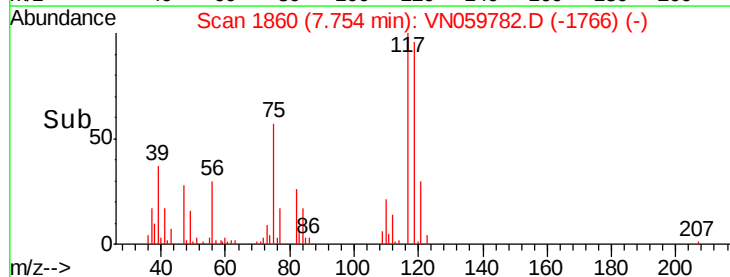
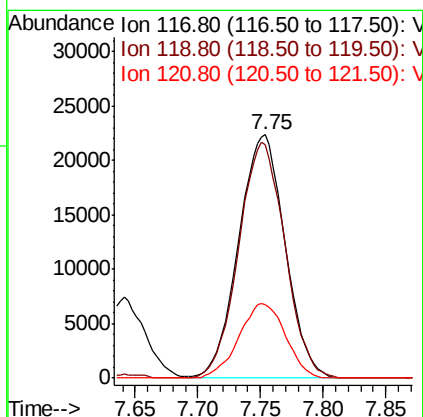
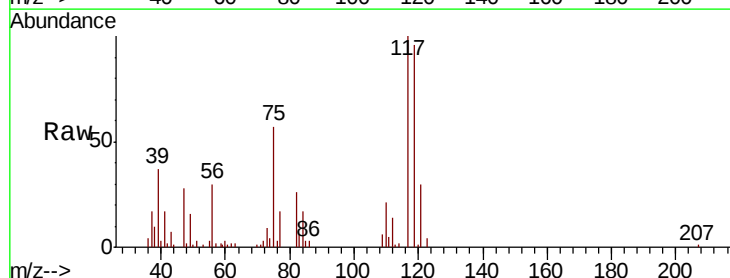
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 46745
Ion Ratio Lower Upper
43 100
61 15.3 10.9 16.3
70 11.0 7.7 11.5



#38
Carbon Tetrachloride
Concen: 21.239 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 117 Resp: 57712
Ion Ratio Lower Upper
117 100
119 96.0 76.5 114.7
121 30.4 25.1 37.7

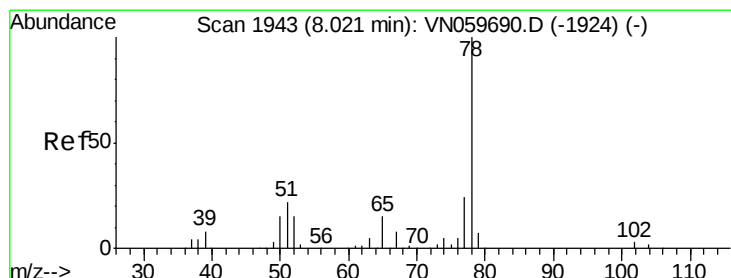
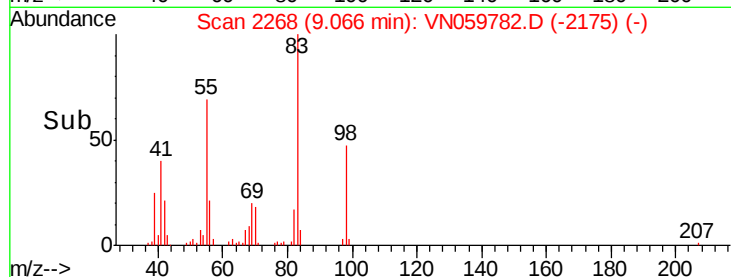
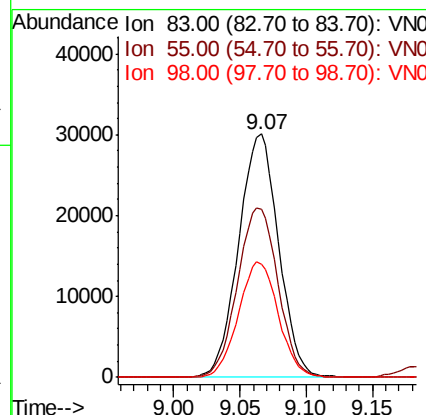
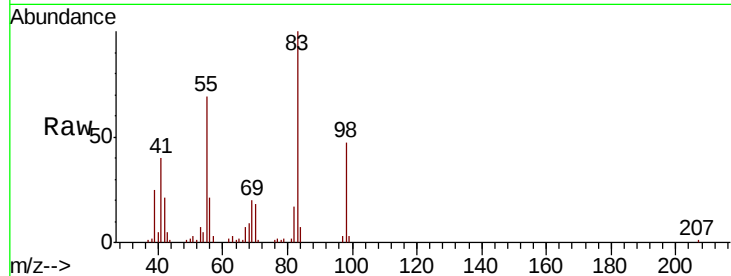




#39
Methvlcvclohexane
Concen: 20.476 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

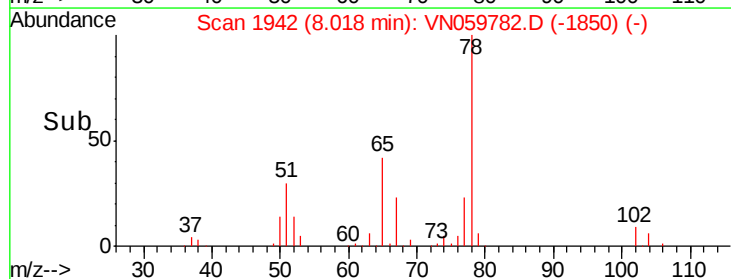
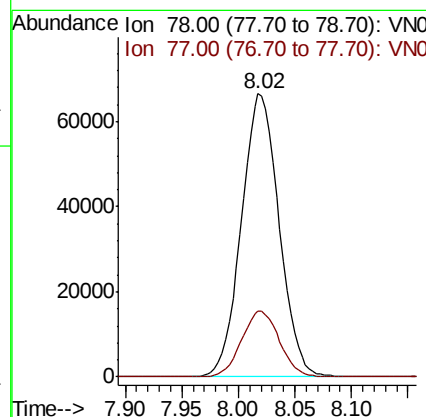
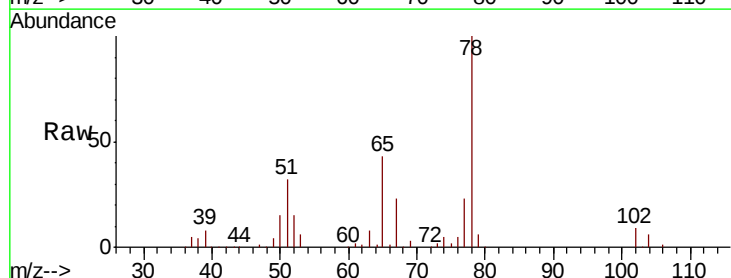
Instrument :
MSVOA_N
ClientSampleId :

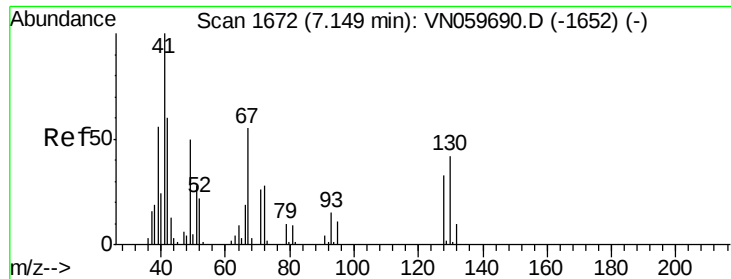
Tot Ion: 83 Resp: 63067
Ion Ratio Lower Upper
83 100
55 68.8 64.2 96.2
98 46.6 35.9 53.9



#40
Benzene
Concen: 20.714 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 78 Resp: 154316
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3

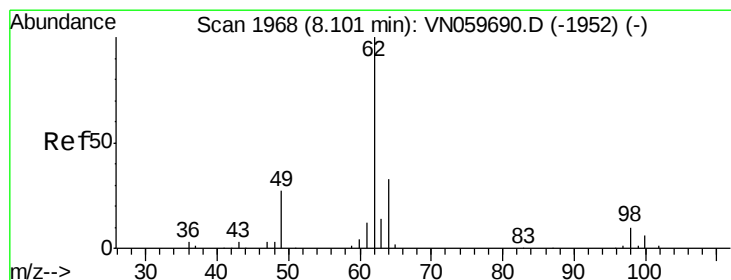
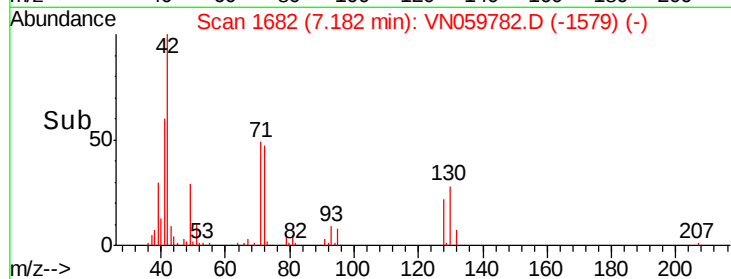
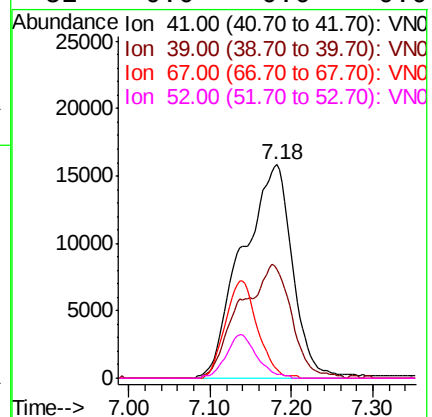
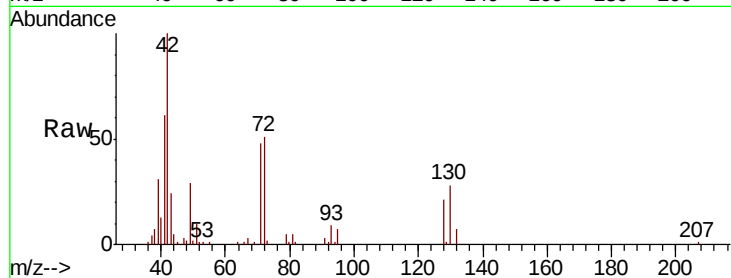




#41
Methacrylonitrile
Concen: 58.646 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

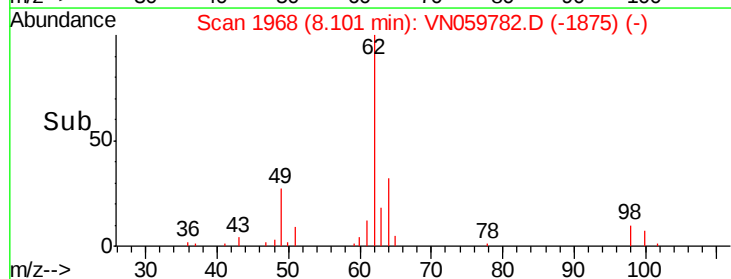
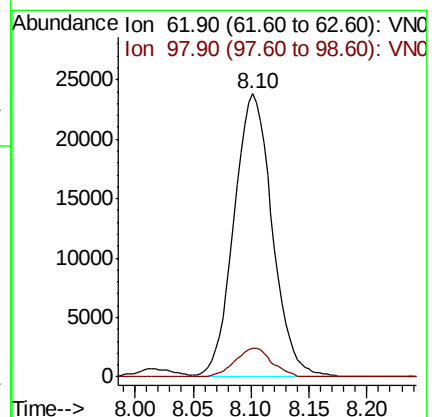
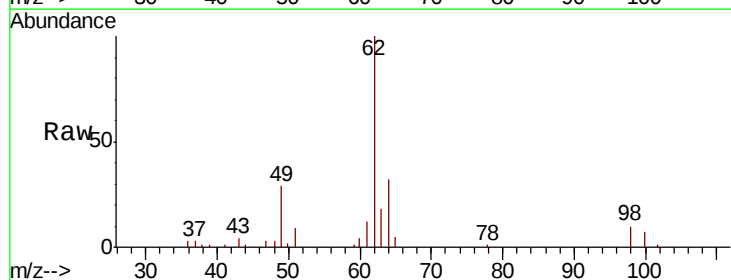
Instrument :
MSVOA_N
ClientSampleId :

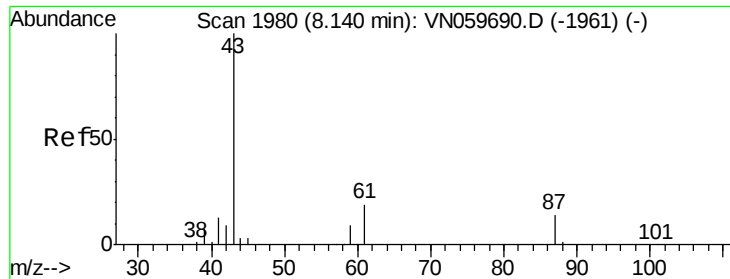
Tot Ion: 41 Resp: 67677
Ion Ratio Lower Upper
41 100
39 54.7 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 21.638 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 62 Resp: 54656
Ion Ratio Lower Upper
62 100
98 9.7 0.0 15.8





#43

Isopropyl Acetate

Concen: 20.157 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

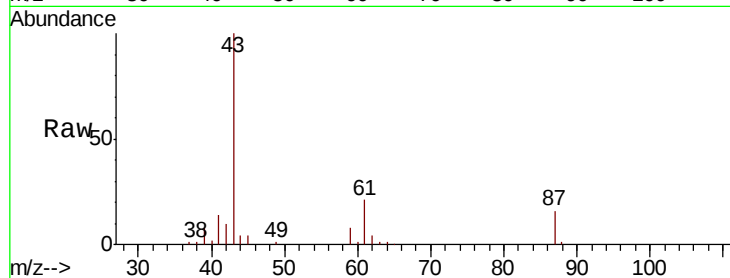
Tot Ion: 43 Resp: 81229

Ion Ratio Lower Upper

43 100

61 27.8 20.2 30.2

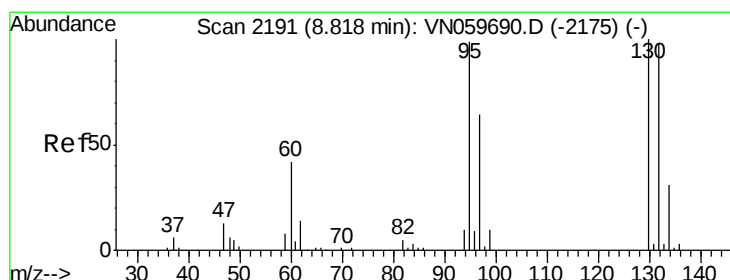
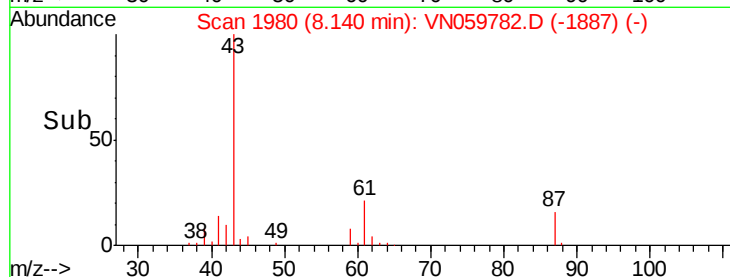
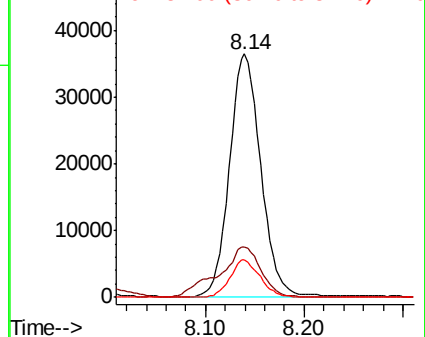
87 14.5 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059782.D (-2098) (-)

Ion 61.00 (60.70 to 61.70): VN059782.D (-2098) (-)

Ion 87.00 (86.70 to 87.70): VN059782.D (-2098) (-)



#44

Trichloroethene

Concen: 22.065 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059782.D

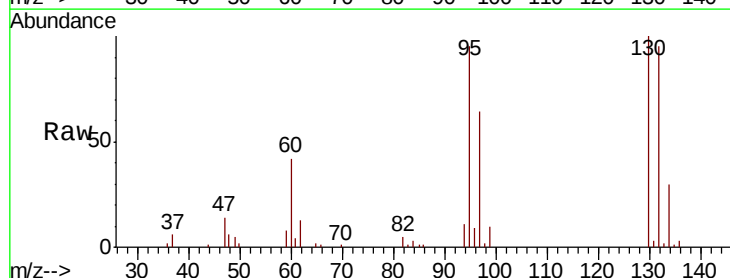
Acq: 20 Jan 2020 13:17

Tgt Ion:130 Resp: 44874

Ion Ratio Lower Upper

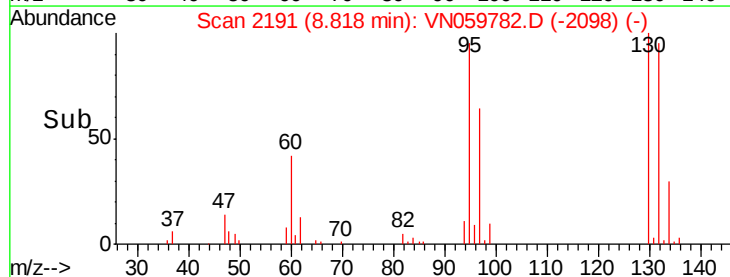
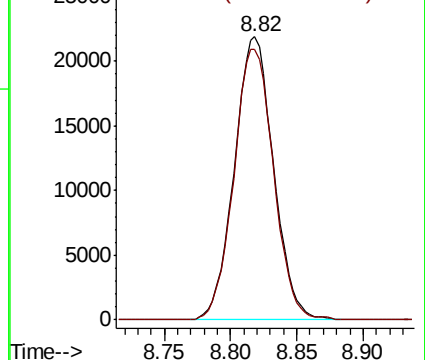
130 100

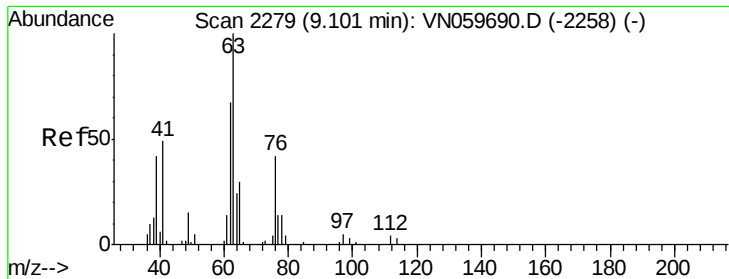
95 95.4 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059782.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059782.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 20.923 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

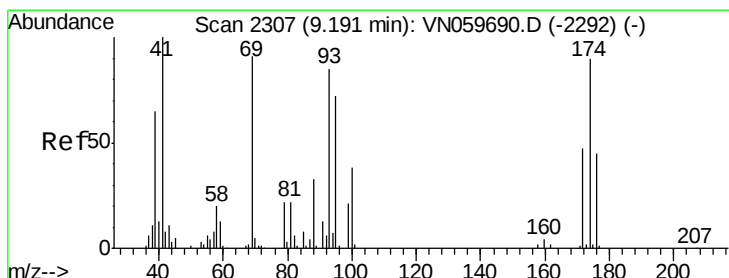
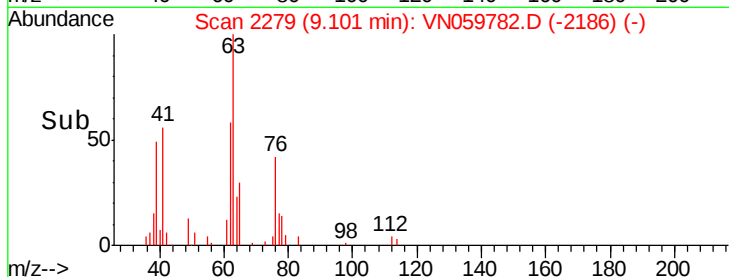
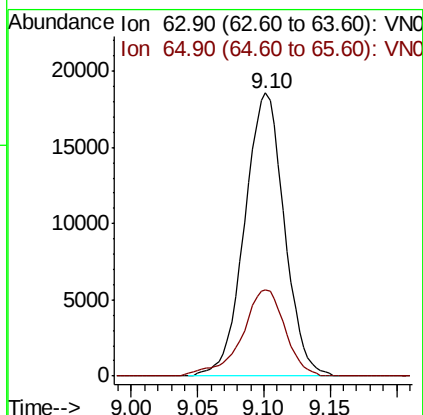
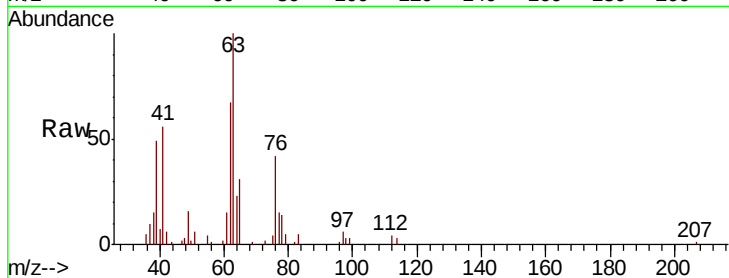
ClientSampled :

Tot Ion: 63 Resp: 38571

Ion Ratio Lower Upper

63 100

65 30.6 24.9 37.3



#46

Dibromomethane

Concen: 21.373 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

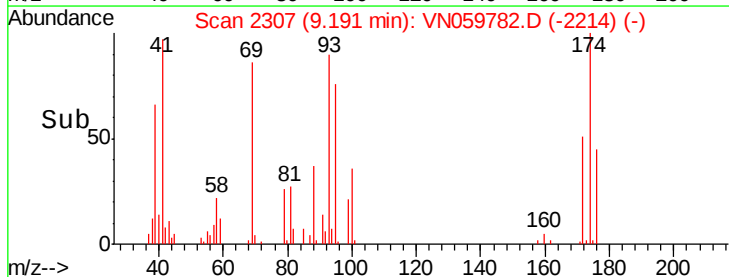
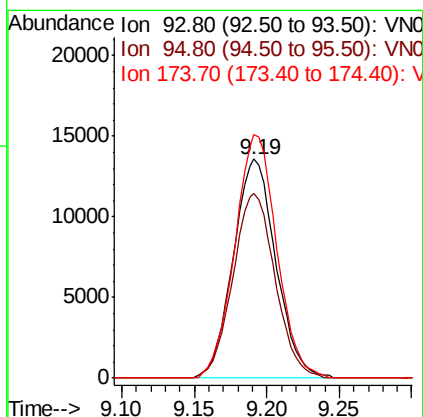
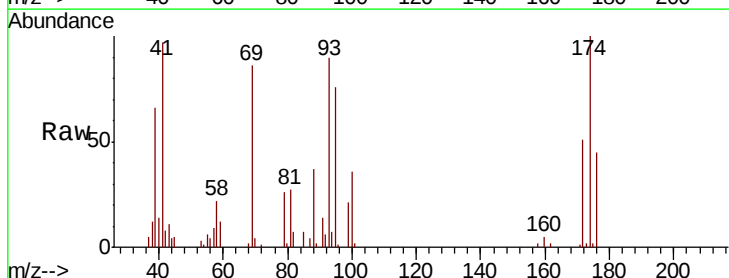
Tgt Ion: 93 Resp: 27793

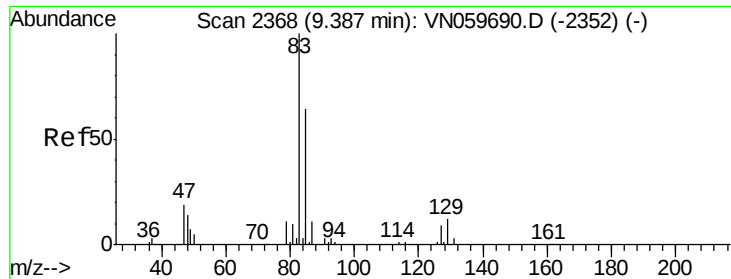
Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.6

174 109.4 73.4 110.2





#47

Bromodichloromethane

Concen: 21.469 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

ClientSampled :

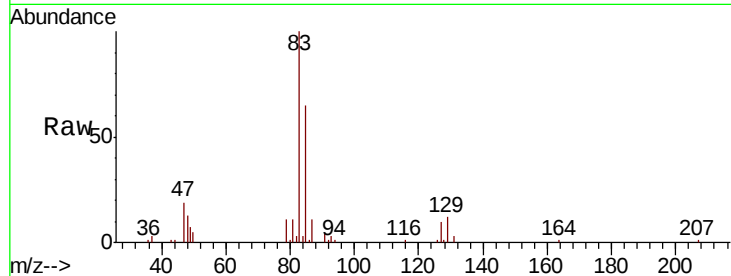
Tot Ion: 83 Resp: 56261

Ion Ratio Lower Upper

83 100

85 64.9 51.1 76.7

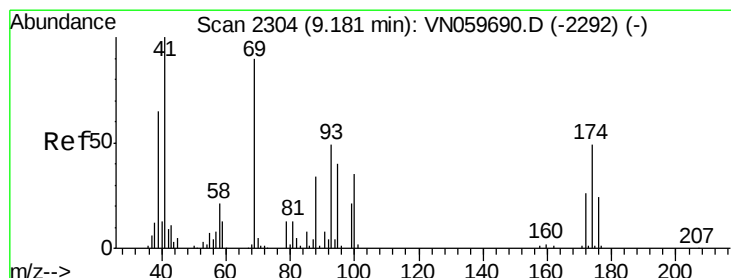
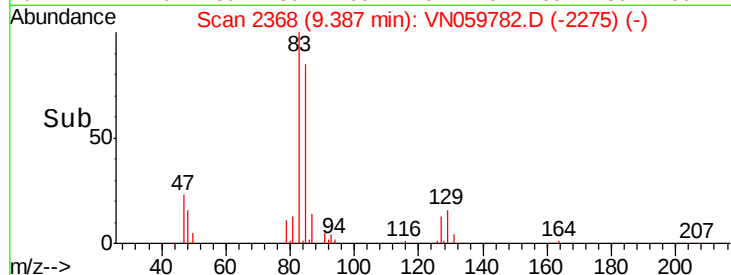
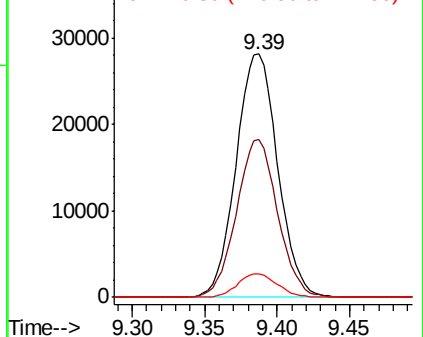
127 9.7 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059782.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059782.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059782.D (-2275) (-)



#48

Methyl methacrylate

Concen: 20.003 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

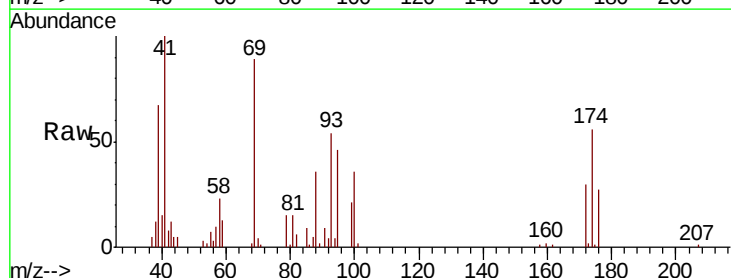
Tgt Ion: 41 Resp: 36056

Ion Ratio Lower Upper

41 100

69 91.4 64.4 96.6

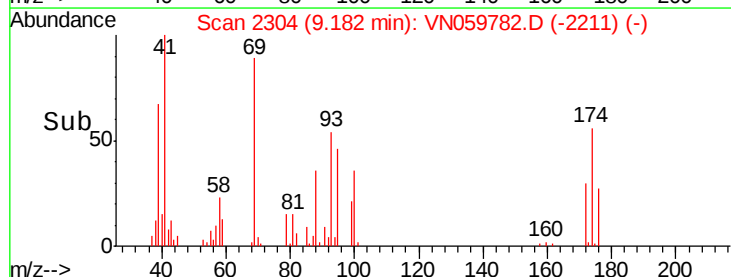
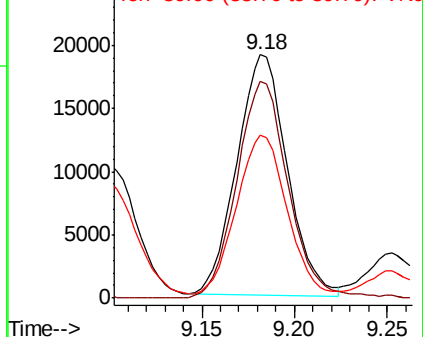
39 69.6 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN059782.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN059782.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN059782.D (-2211) (-)

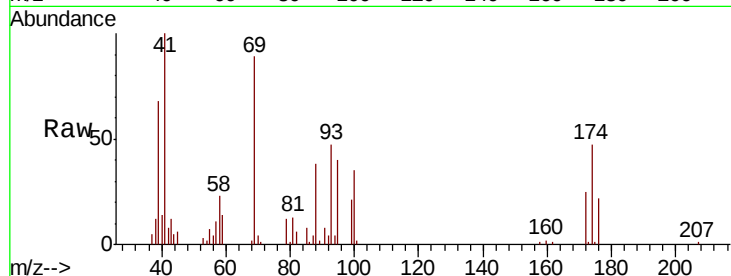




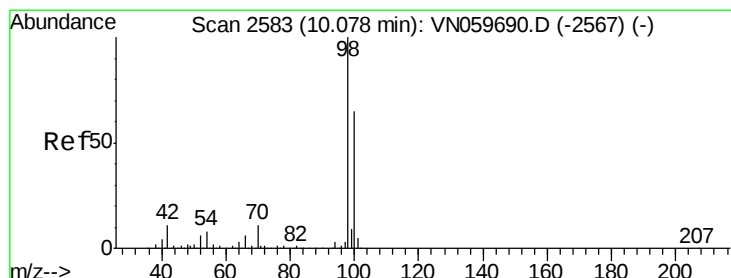
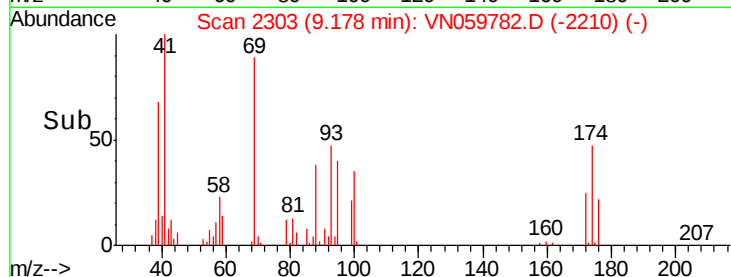
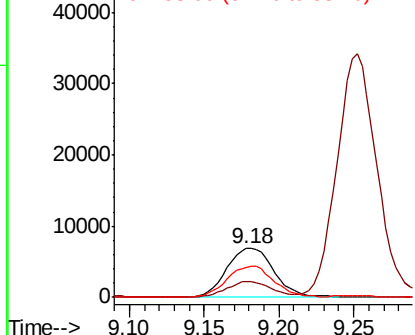
#49
1,4-Dioxane
Concen: 457.634 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 15101
Ion Ratio Lower Upper
88 100
43 30.7 29.7 44.5
58 63.0 56.6 85.0

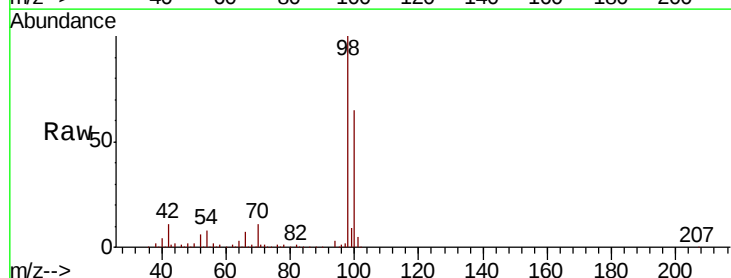


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

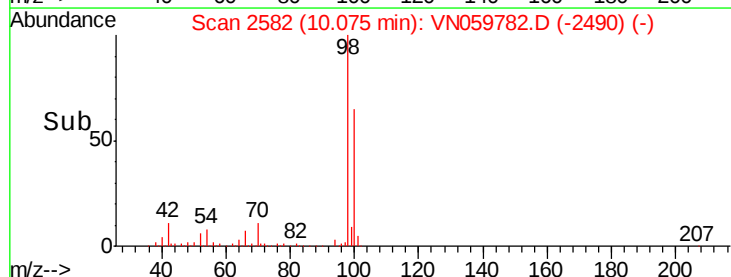
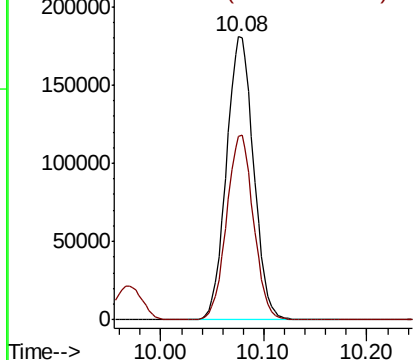


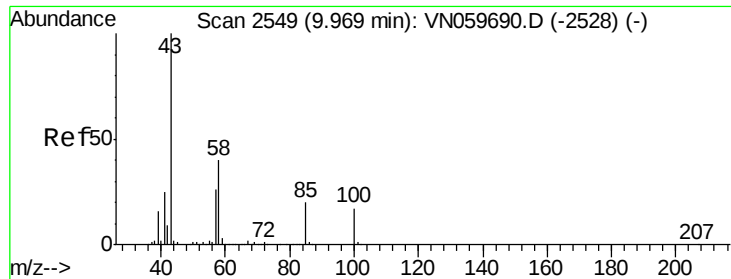
#50
Toluene-d8
Concen: 50.160 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 98 Resp: 332448
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8



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

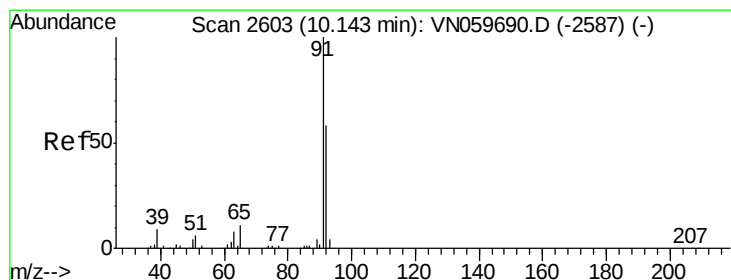
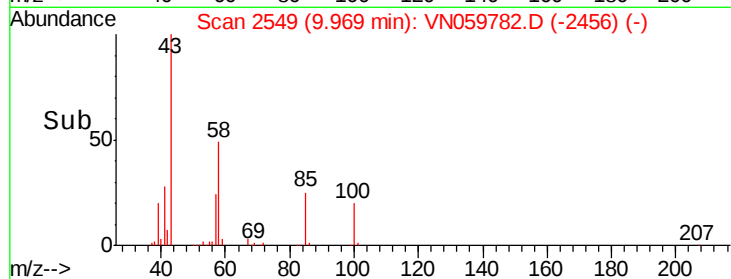
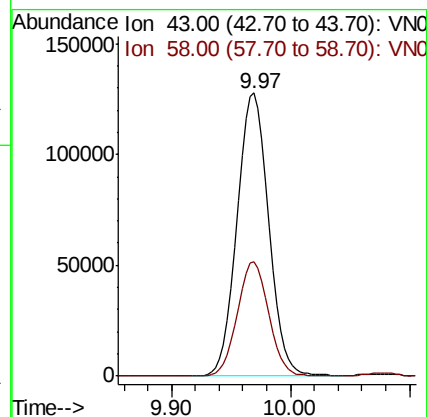
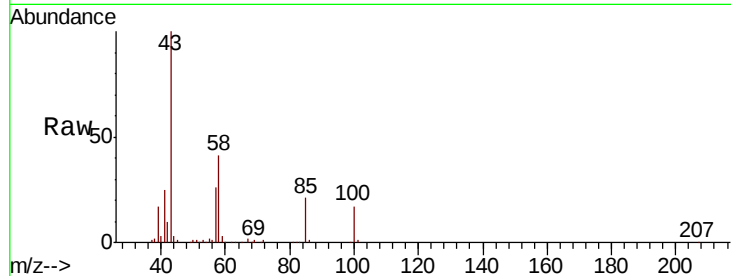




#51
 4-Methyl-2-Pentanone
 Concen: 101.130 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

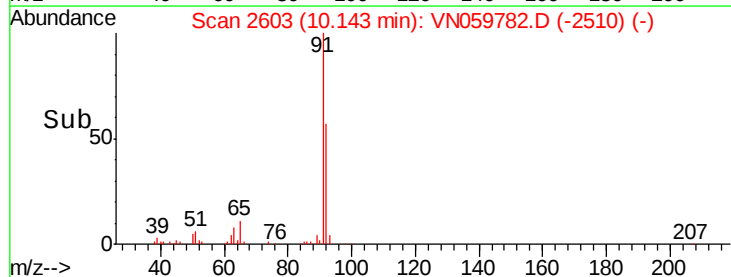
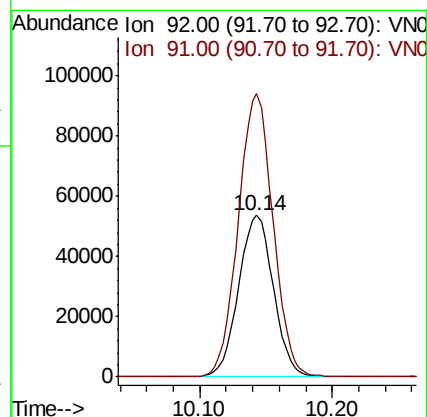
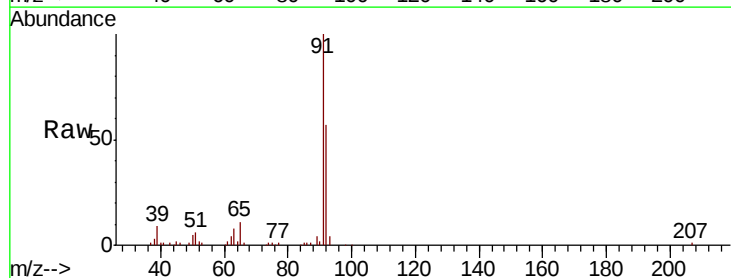
Instrument :
 MSVOA_N
 ClientSampled :

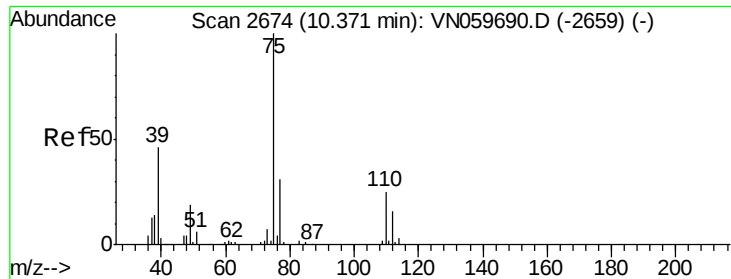
Tot Ion: 43 Resp: 235586
 Ion Ratio Lower Upper
 43 100
 58 40.0 29.8 44.8



#52
 Toluene
 Concen: 20.785 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Tgt Ion: 92 Resp: 97809
 Ion Ratio Lower Upper
 92 100
 91 175.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 20.609 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

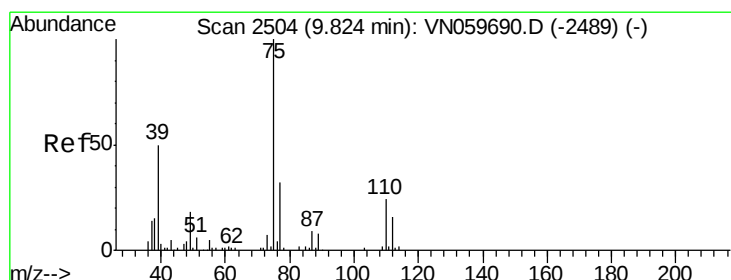
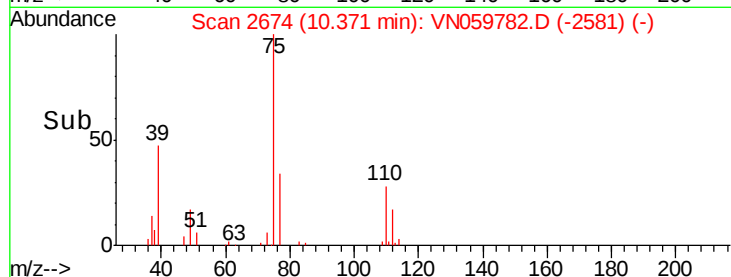
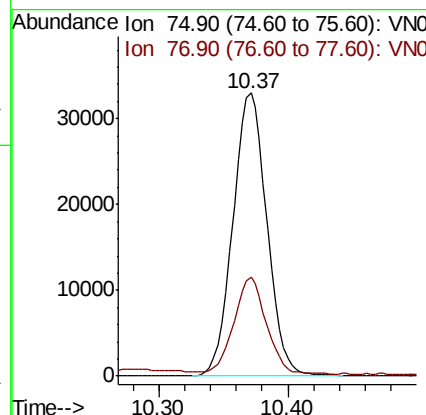
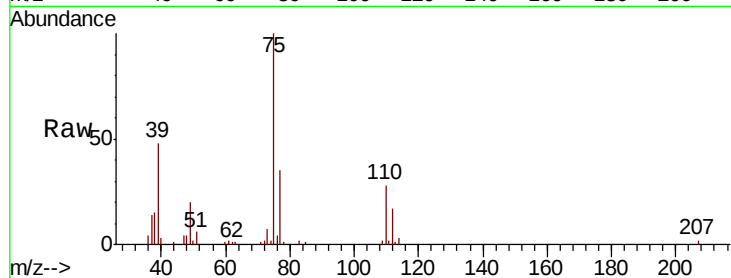
ClientSampled :

Tot Ion: 75 Resp: 60301

Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.565 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

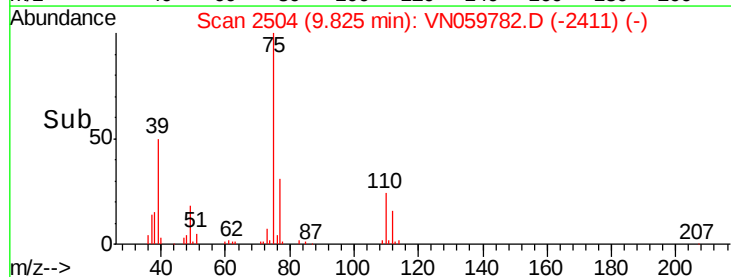
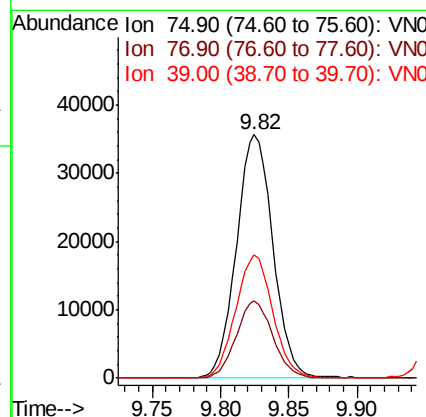
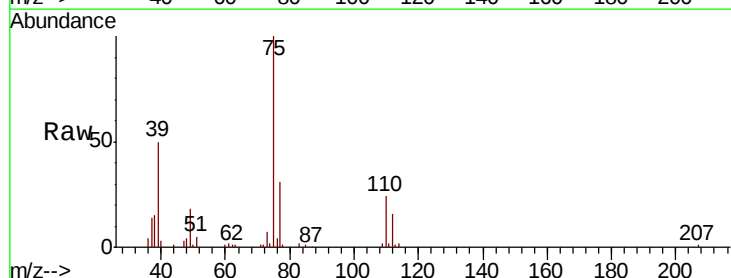
Tgt Ion: 75 Resp: 66393

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 50.5 46.1 69.1

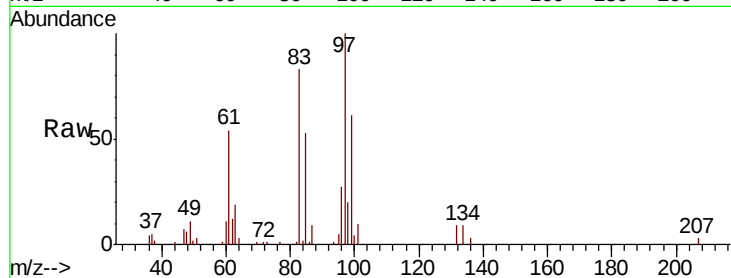




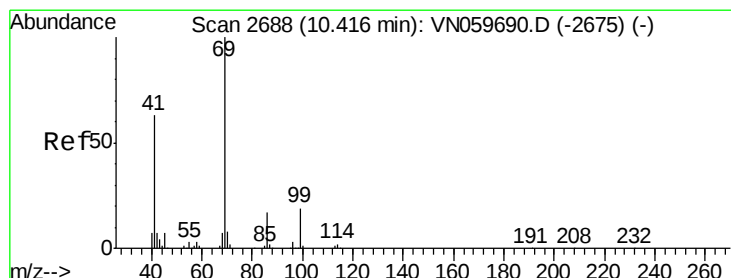
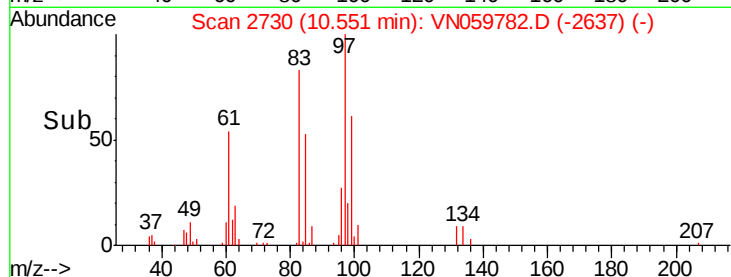
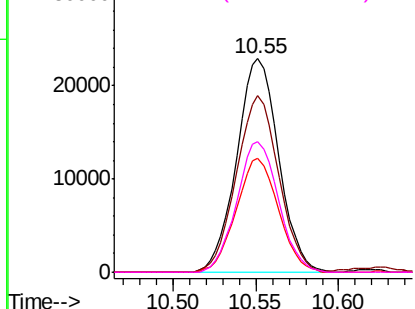
#55
 1,1,2-Trichloroethane
 Concen: 21.654 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	40357
Ion	Ratio	Lower	Upper
97	100		
83	82.7	71.3	106.9
85	53.3	45.8	68.8
99	61.1	50.0	75.0

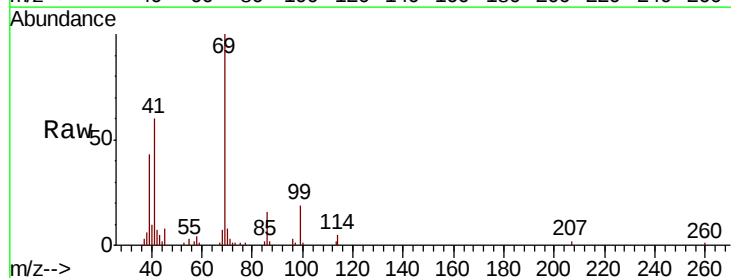


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

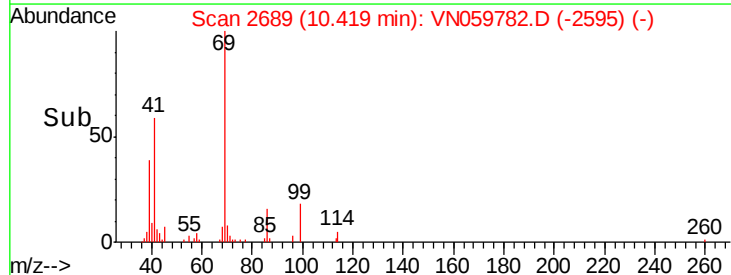
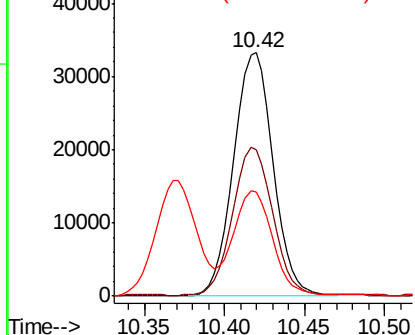


#56
 Ethyl methacrylate
 Concen: 19.745 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Tgt Ion:	69	Resp:	56229
Ion	Ratio	Lower	Upper
69	100		
41	62.6	57.1	85.7
39	44.1	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: 21.595 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

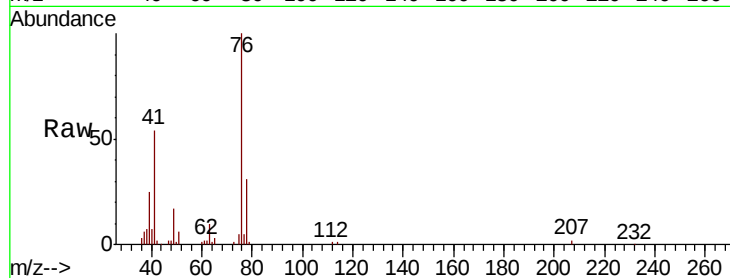
ClientSampled :

Tot Ion: 76 Resp: 63898

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.8

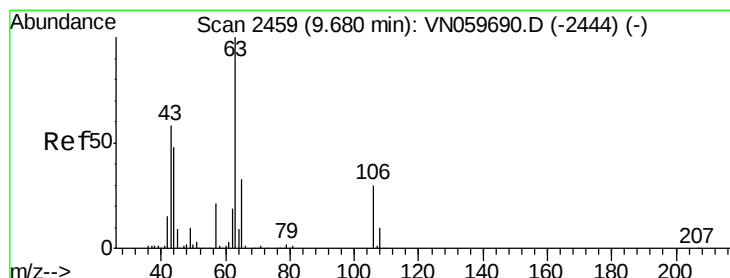
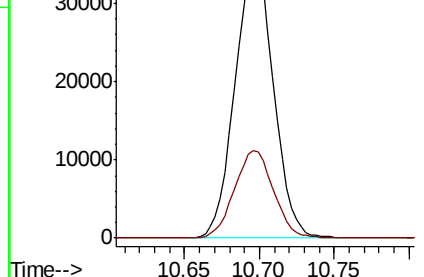
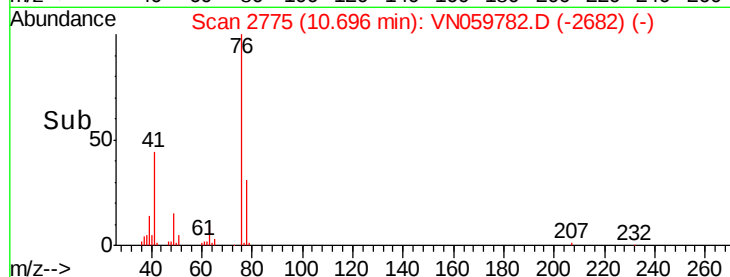


Abundance Ion 75.90 (75.60 to 76.60): VN059690.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN059690.D (-2761) (-)

10.70

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.166 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059782.D

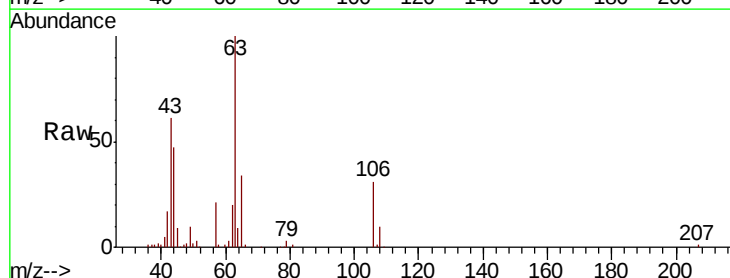
Acq: 20 Jan 2020 13:17

Tgt Ion: 63 Resp: 89349

Ion Ratio Lower Upper

63 100

106 30.0 20.2 30.2

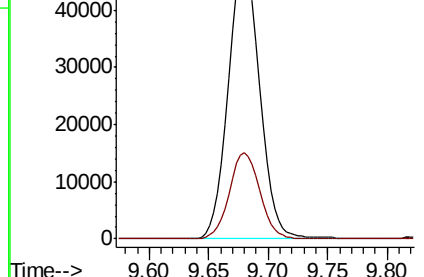
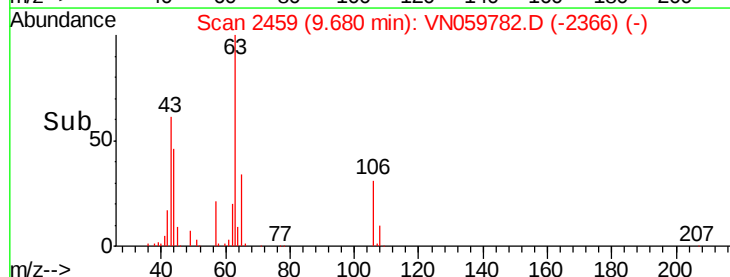


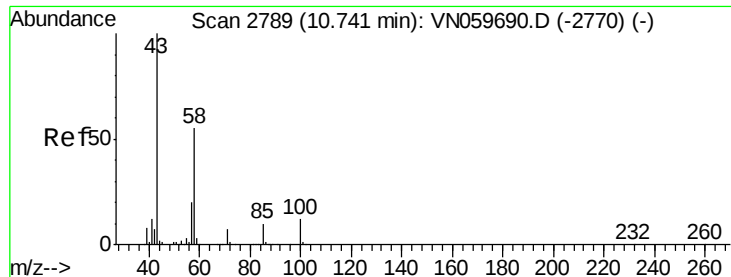
Abundance Ion 62.90 (62.60 to 63.60): VN059690.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN059690.D (-2444) (-)

9.68

Time-->

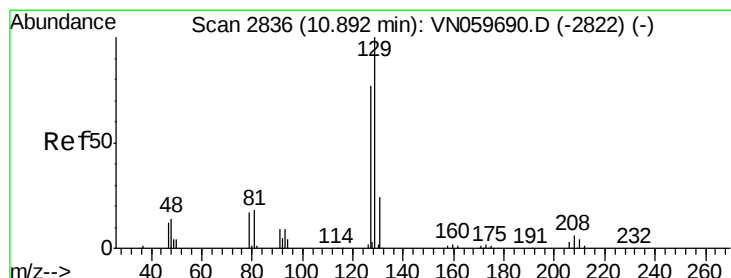
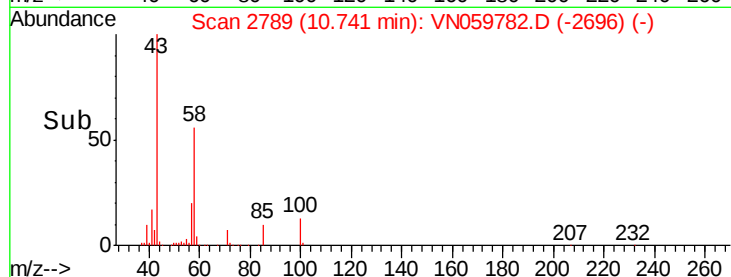
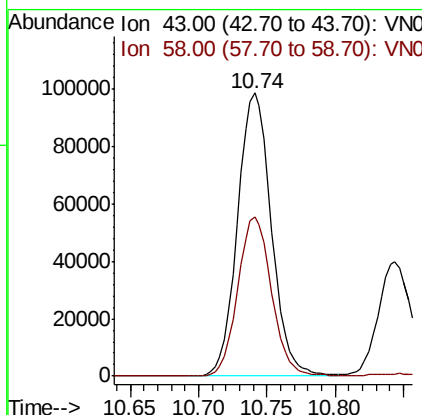
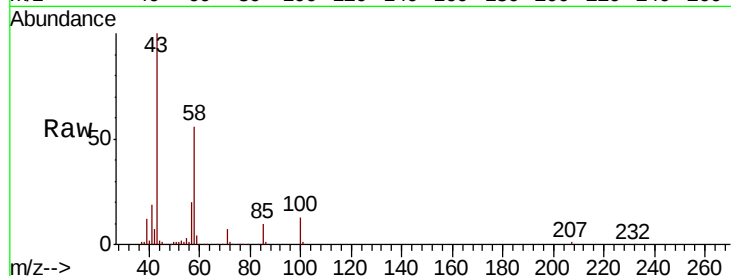




#59
2-Hexanone
Concen: 99.055 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

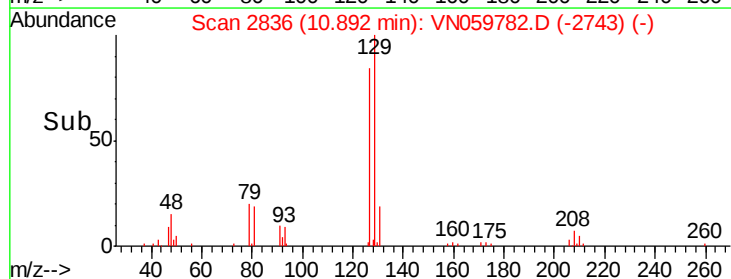
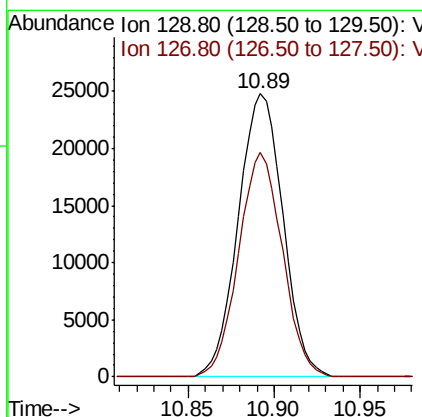
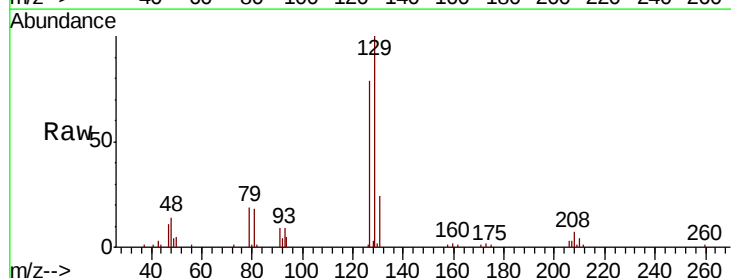
Instrument :
MSVOA_N
ClientSampled :

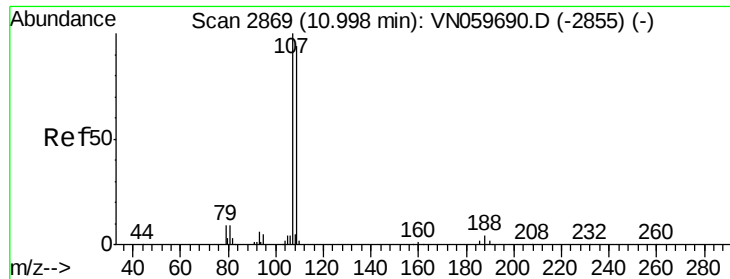
Tot Ion: 43 Resp: 169995
Ion Ratio Lower Upper
43 100
58 56.2 25.8 77.3



#60
Dibromochloromethane
Concen: 21.088 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 129 Resp: 44756
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5

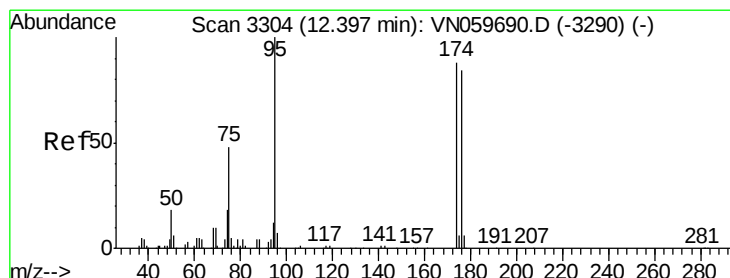
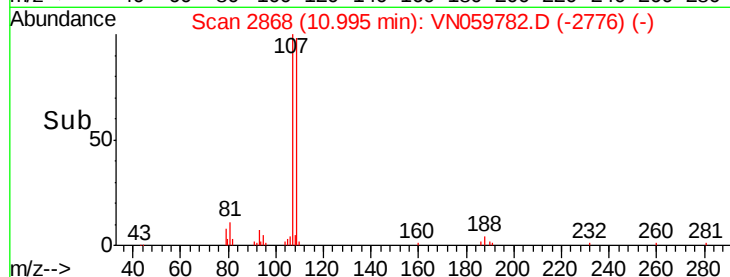
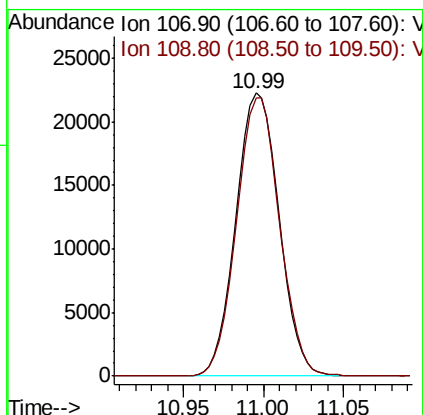
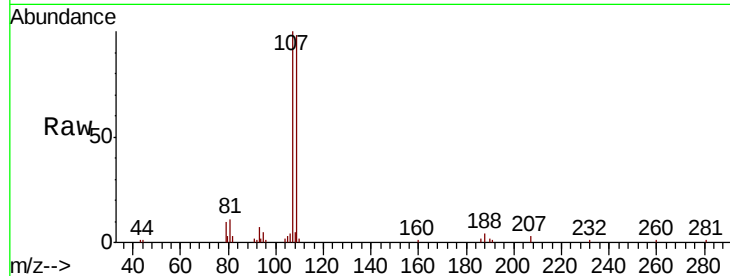




#61
 1,2-Dibromoethane
 Concen: 20.981 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

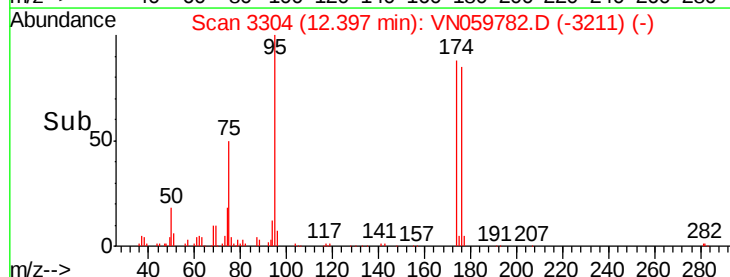
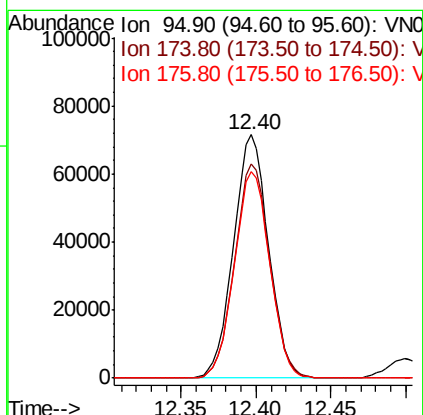
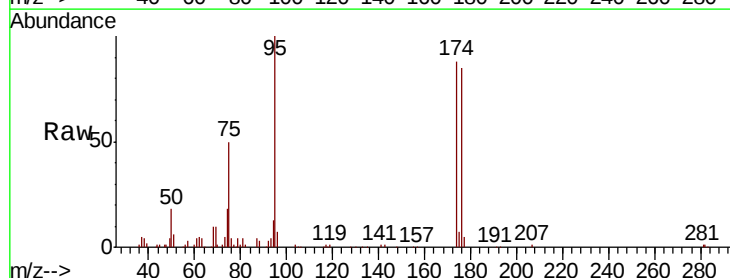
Instrument :
 MSVOA_N
 ClientSampled :

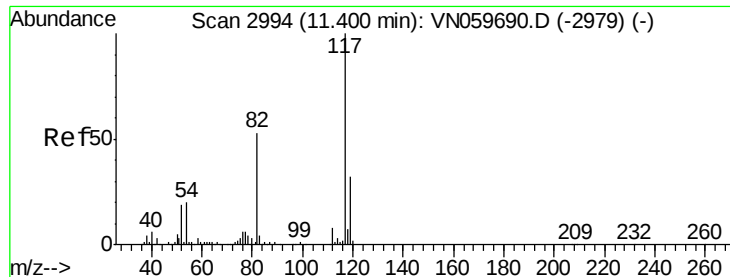
Tot Ion:107 Resp: 40984
 Ion Ratio Lower Upper
 107 100
 109 97.9 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 48.828 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Tgt Ion: 95 Resp: 116663
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 151.4
 176 85.7 0.0 146.0

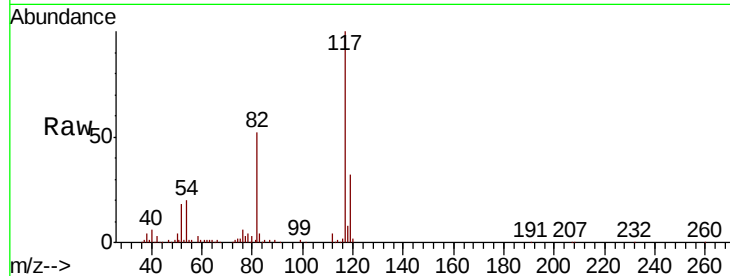




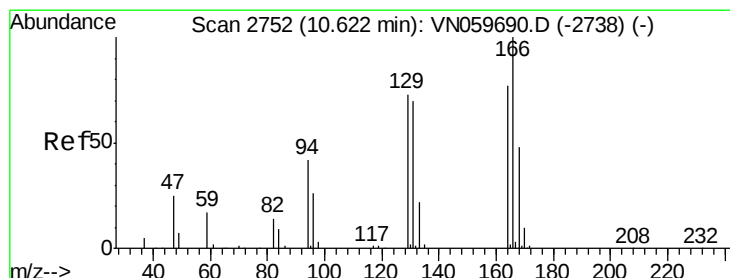
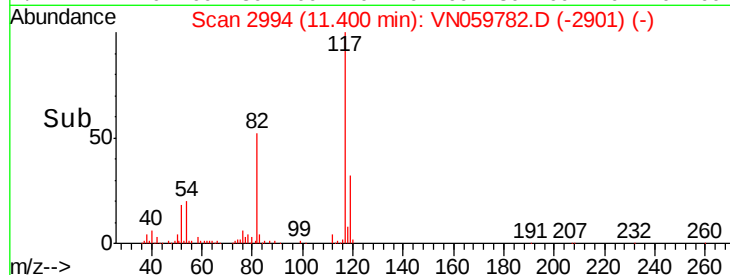
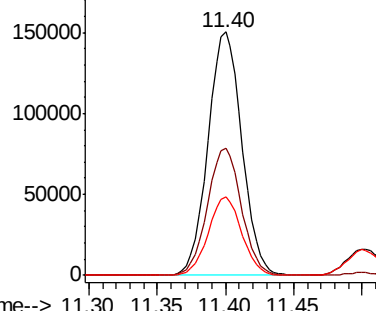
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 258809
Ion Ratio Lower Upper
117 100
82 52.1 45.9 68.9
119 32.0 25.5 38.3

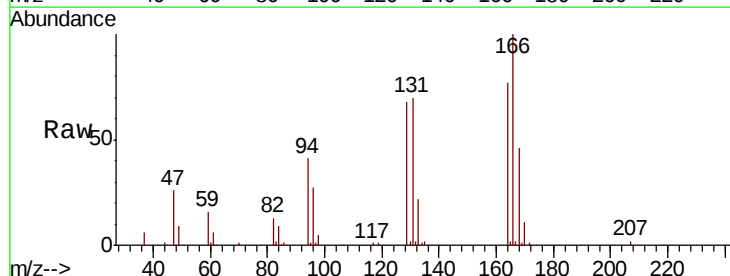


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

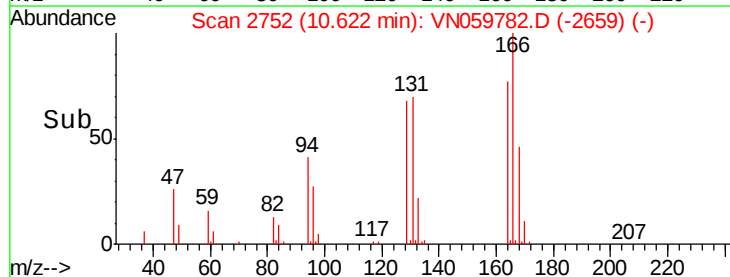
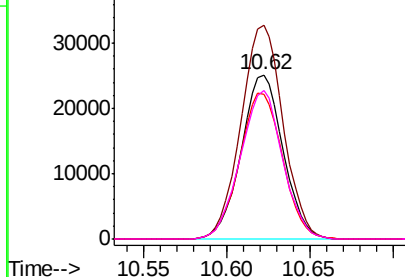


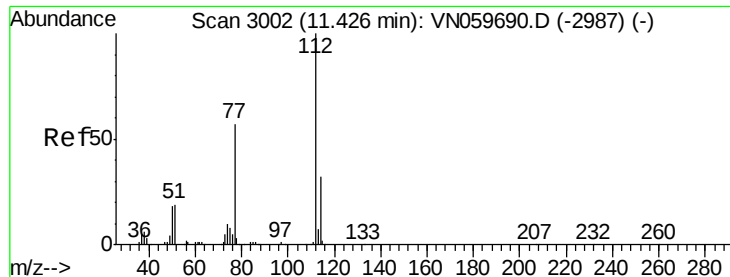
#64
Tetrachloroethene
Concen: 20.959 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion:164 Resp: 44210
Ion Ratio Lower Upper
164 100
166 129.9 101.4 152.0
129 88.2 80.2 120.4
131 90.7 75.0 112.4



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

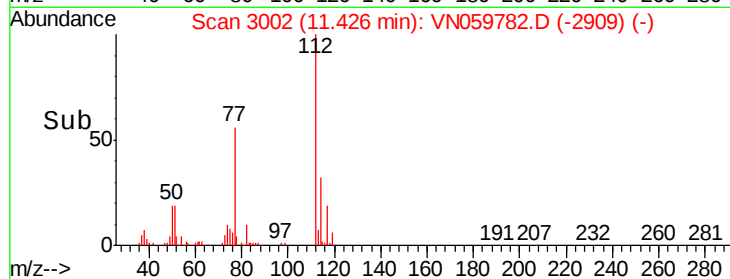
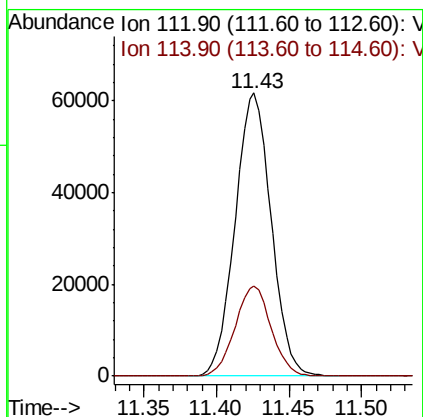
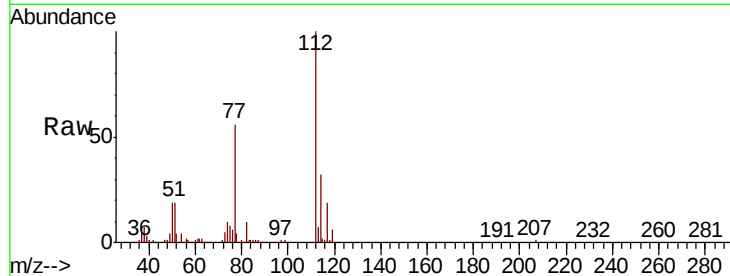




#65
Chlorobenzene
Concen: 20.978 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

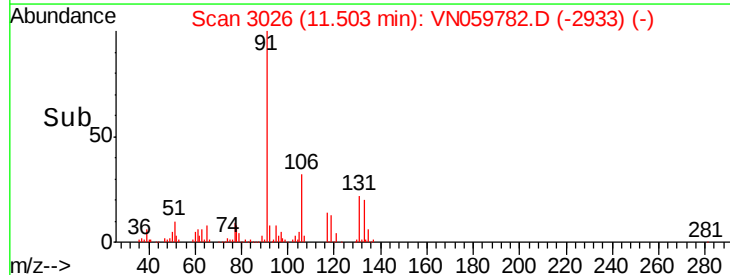
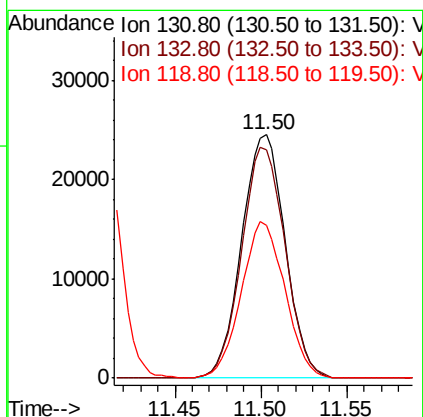
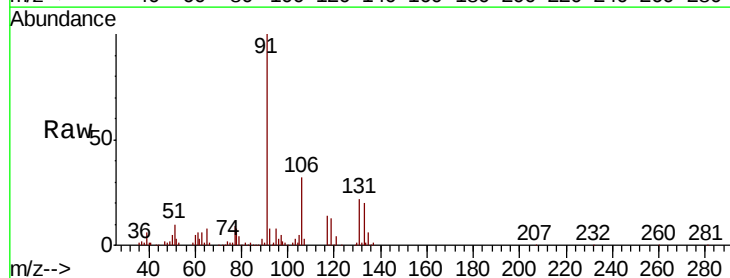
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 106716
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.972 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion:131 Resp: 43189
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.2
119 64.4 33.1 99.3





#67

Ethyl Benzene

Concen: 20.709 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

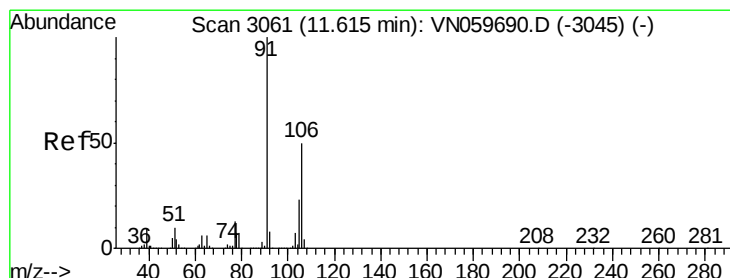
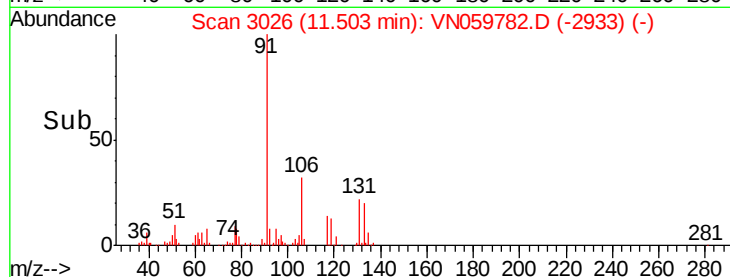
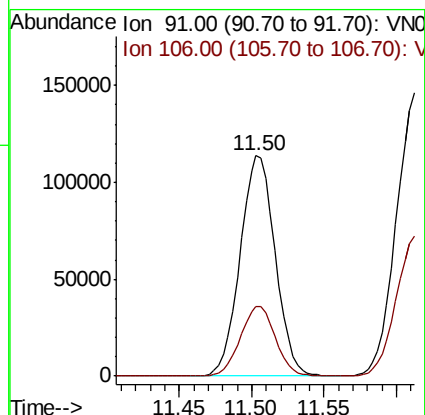
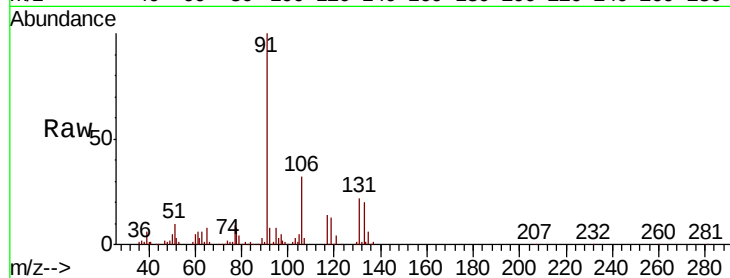
ClientSampleId :

Tot Ion: 91 Resp: 191239

Ion Ratio Lower Upper

91 100

106 31.6 24.1 36.1



#68

m/p-Xylenes

Concen: 41.614 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059782.D

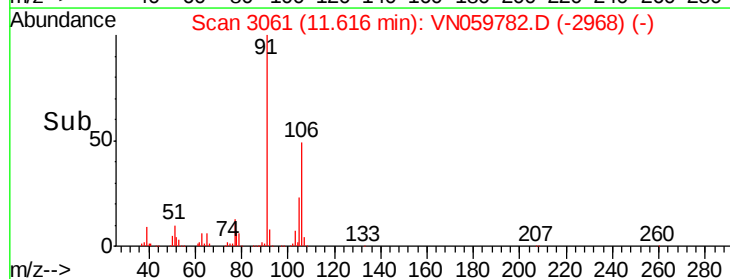
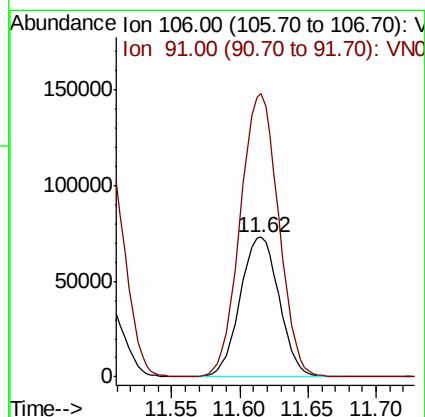
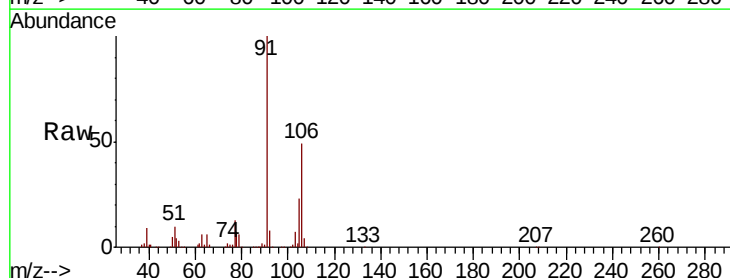
Acq: 20 Jan 2020 13:17

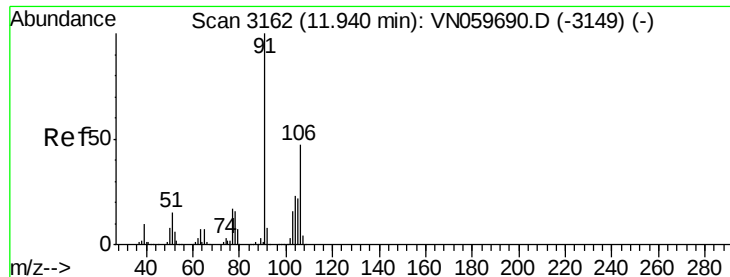
Tgt Ion: 106 Resp: 145159

Ion Ratio Lower Upper

106 100

91 198.6 167.9 251.9

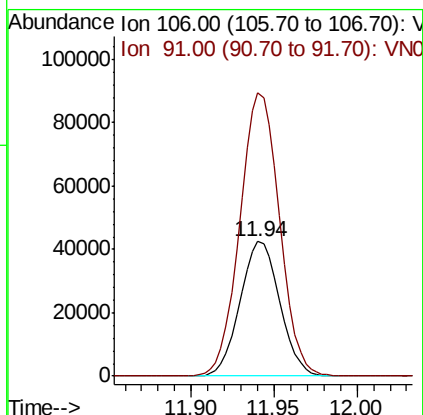
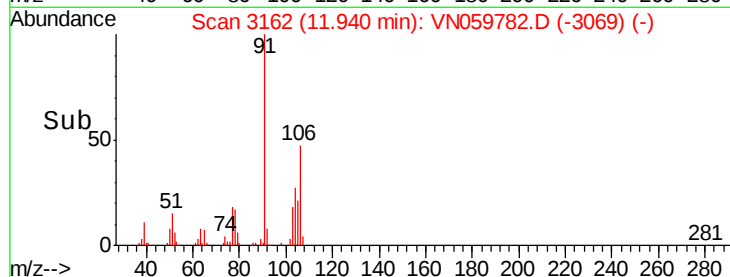
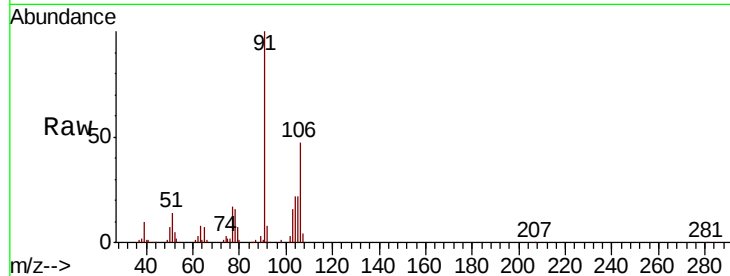




#69
o-Xylene
Concen: 20.701 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

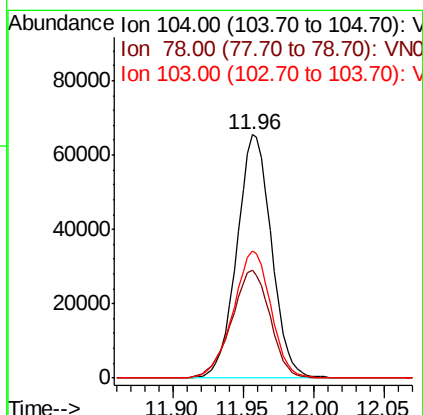
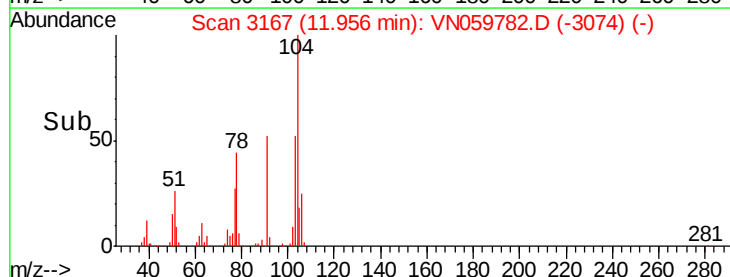
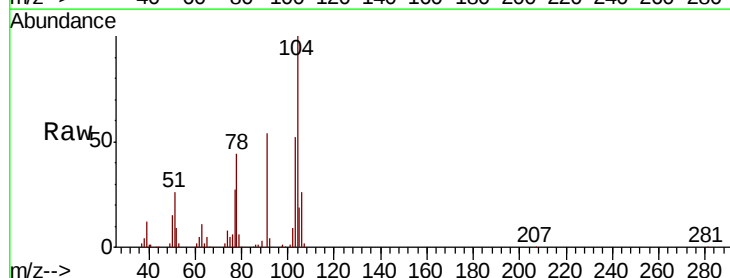
Instrument :
MSVOA_N
ClientSampled :

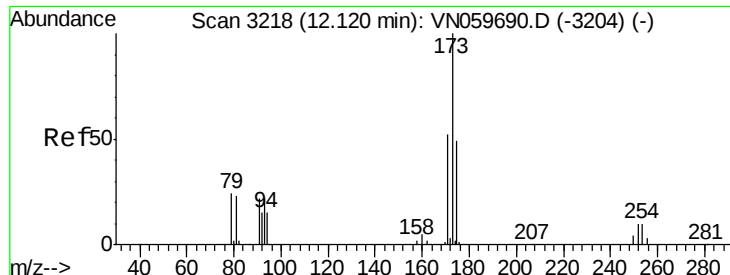
Tot Ion:106 Resp: 70696
Ion Ratio Lower Upper
106 100
91 210.8 110.3 330.9



#70
Styrene
Concen: 19.716 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion:104 Resp: 112667
Ion Ratio Lower Upper
104 100
78 49.2 42.4 63.6
103 57.0 43.9 65.9

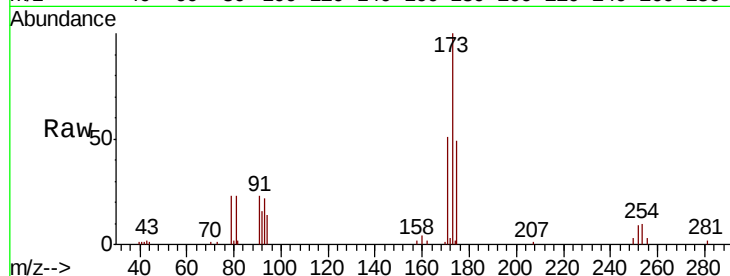




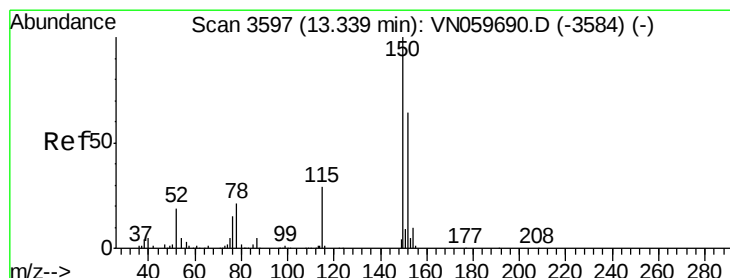
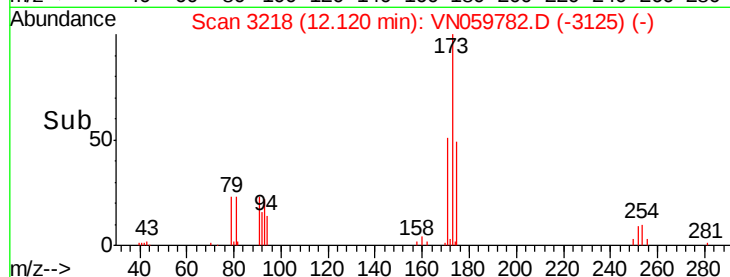
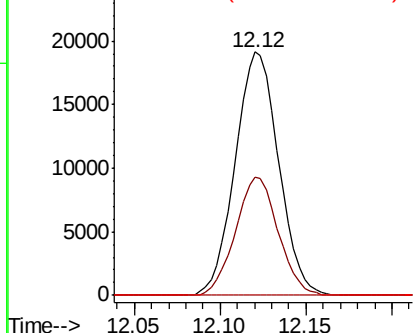
#71
Bromoform
Concen: 21.392 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 33681
Ion Ratio Lower Upper
173 100
175 47.4 23.8 71.4
254 0.0 0.0 0.0

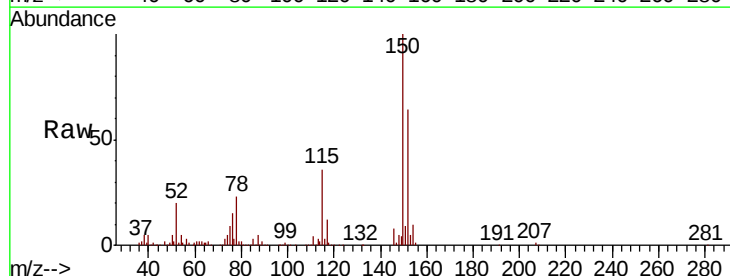


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

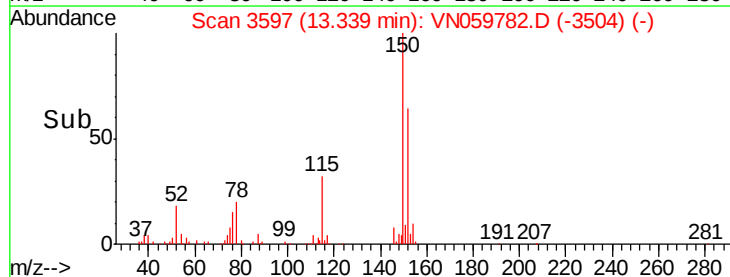
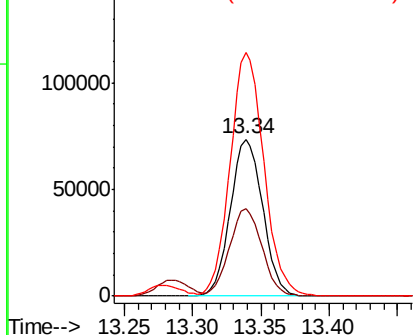


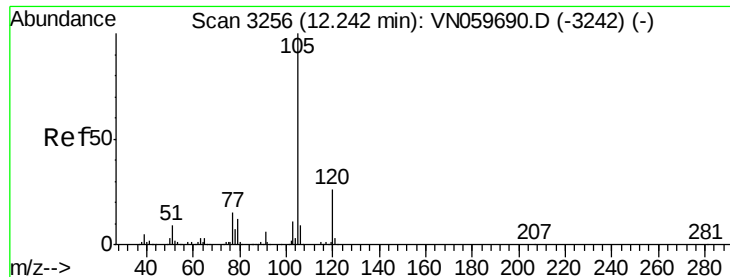
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion:152 Resp: 121301
Ion Ratio Lower Upper
152 100
115 56.2 30.3 90.9
150 162.1 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: 21.386 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

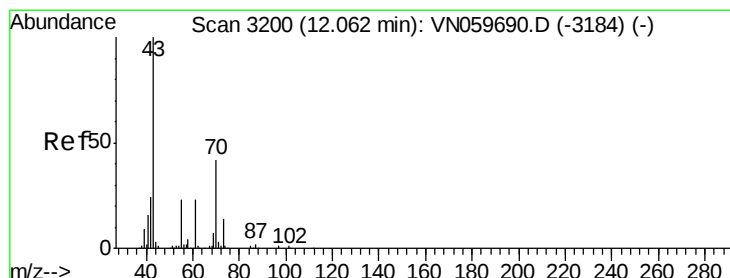
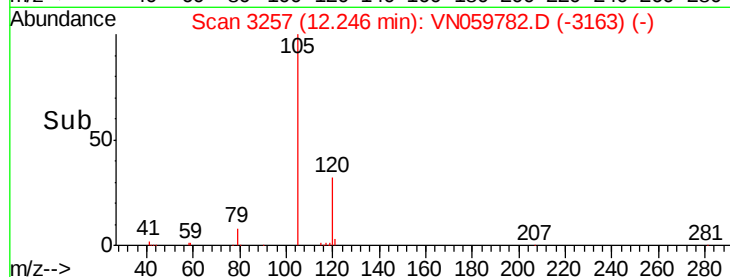
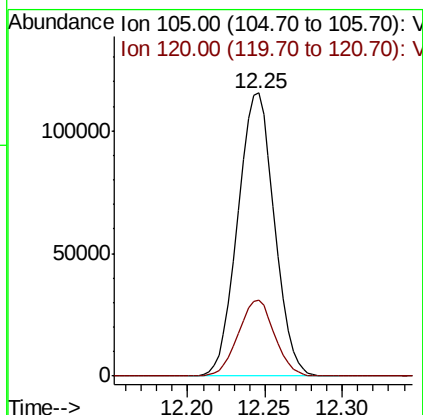
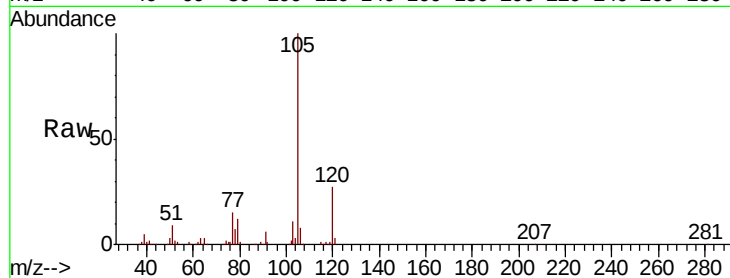
ClientSampleId :

Tot Ion:105 Resp: 190257

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



#74

N-ethyl acetate

Concen: 19.313 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Tgt Ion: 43 Resp: 66667

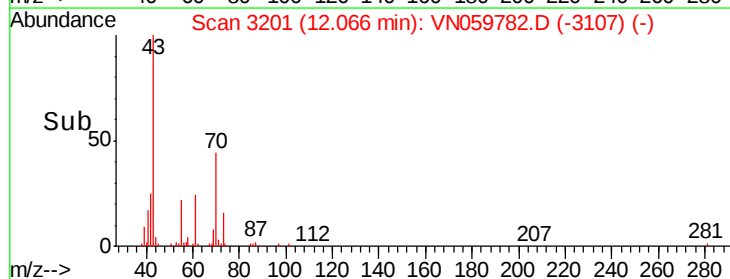
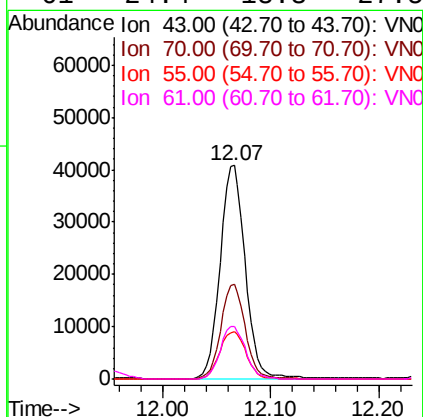
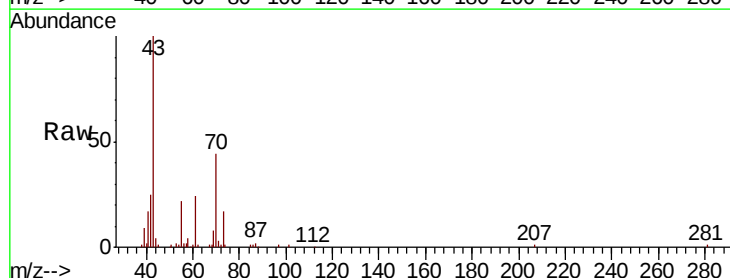
Ion Ratio Lower Upper

43 100

70 42.8 31.3 46.9

55 22.8 19.8 29.6

61 24.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.828 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

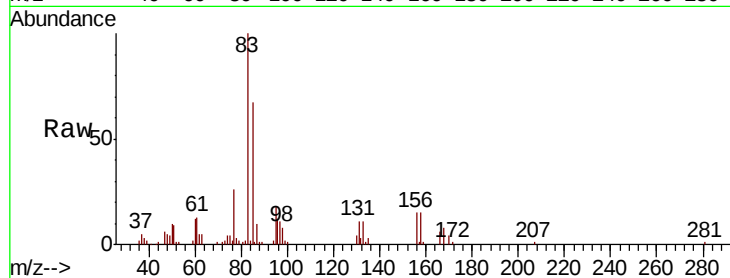
Tot Ion: 83 Resp: 53716

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	66.8	31.9	95.5

83 100

131 10.4 5.0 14.9

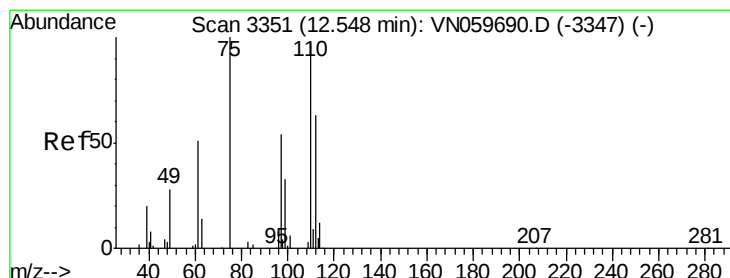
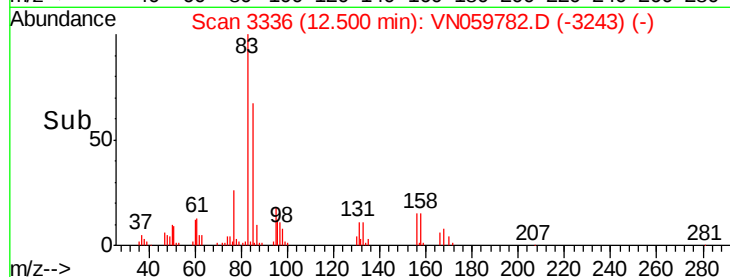
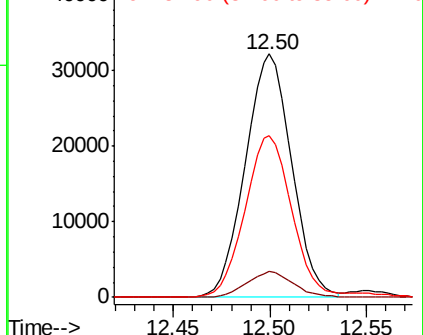
85 66.8 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059782.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059782.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059782.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 34.917 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059782.D

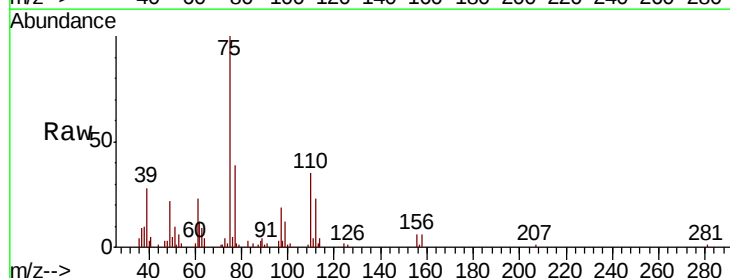
Acq: 20 Jan 2020 13:17

Tgt Ion: 75 Resp: 71279

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

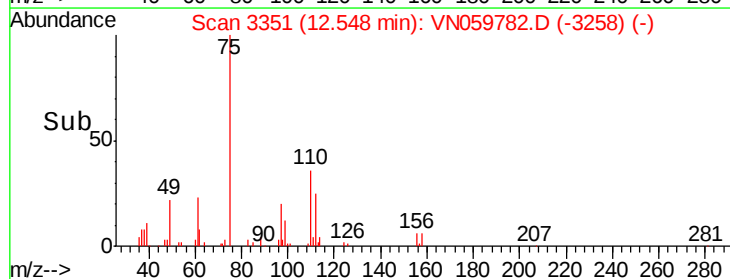
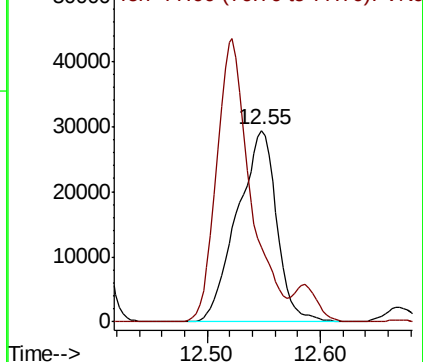
75 100

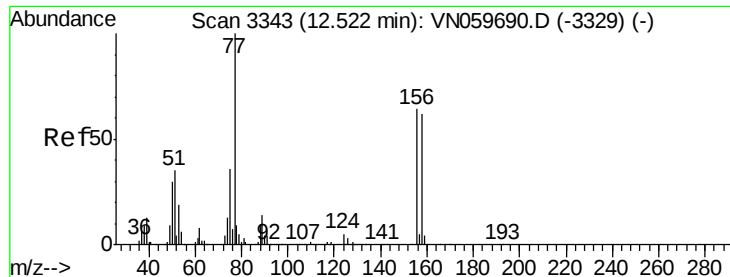
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059782.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059782.D (-3258) (-)





#77

Bromobenzene

Concen: 21.183 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

ClientSampled :

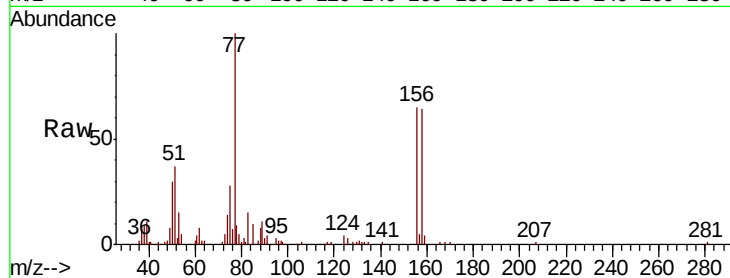
Tot Ion:156 Resp: 47723

Ion Ratio Lower Upper

156 100

77 189.0 115.8 347.4

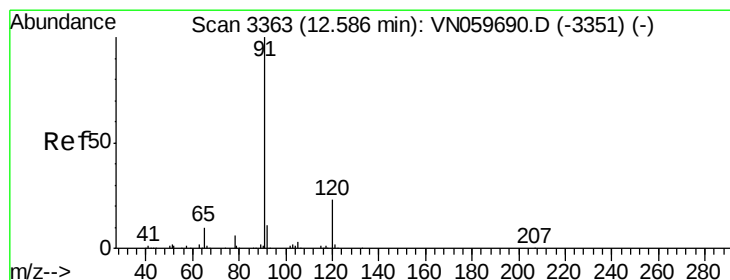
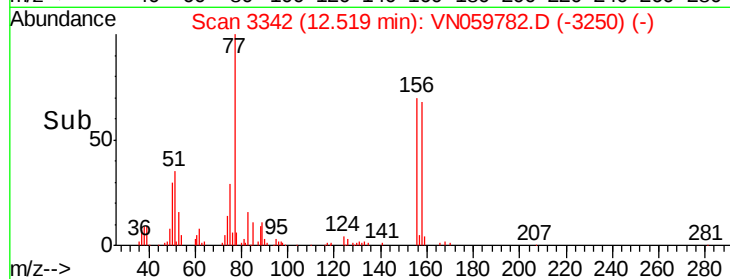
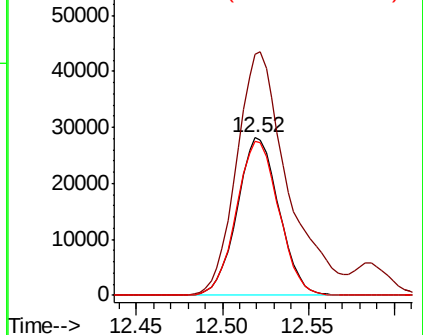
158 98.8 49.2 147.6



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: 21.035 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059782.D

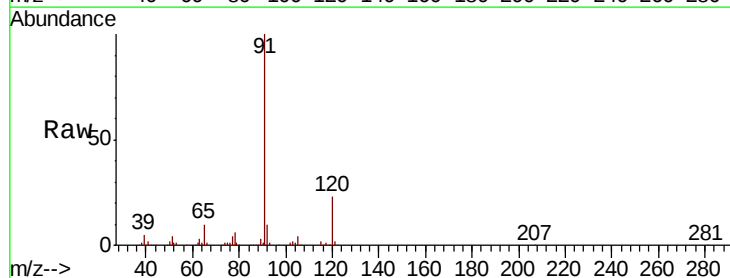
Acq: 20 Jan 2020 13:17

Tgt Ion: 91 Resp: 210033

Ion Ratio Lower Upper

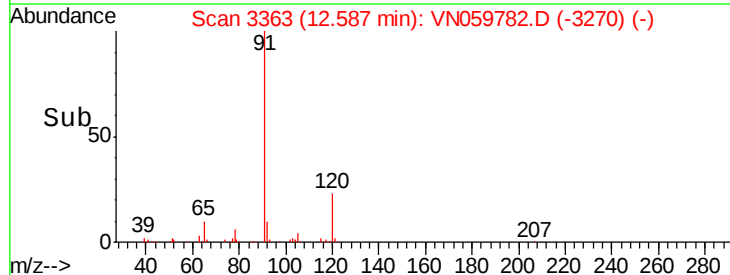
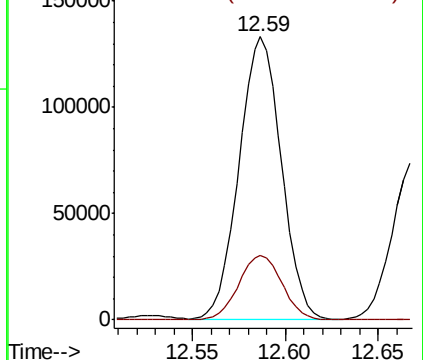
91 100

120 23.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

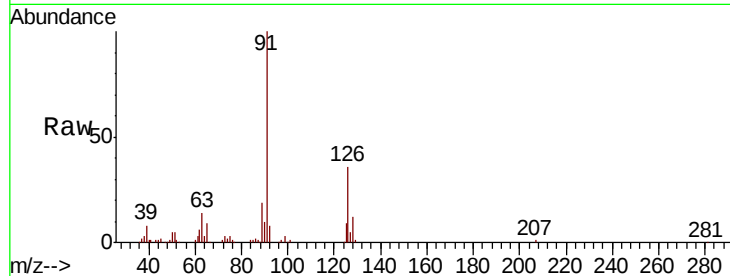




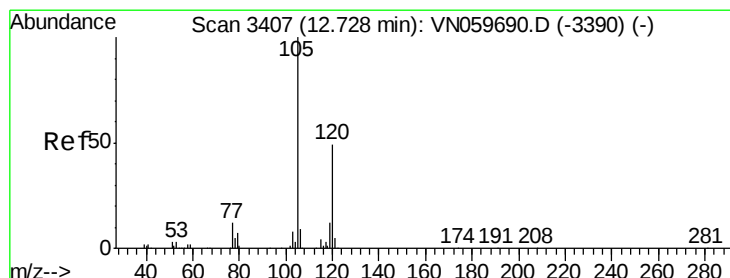
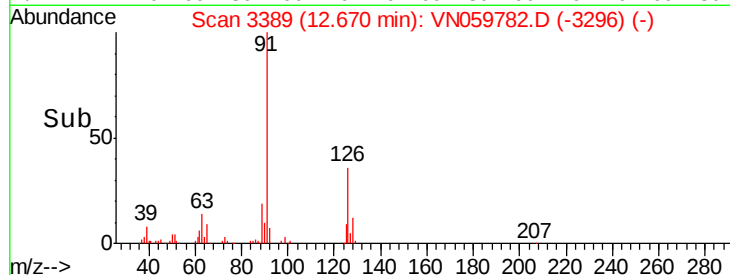
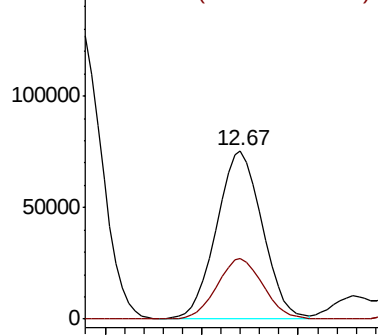
#79
2-Chlorotoluene
Concen: 20.793 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 123512
Ion Ratio Lower Upper
91 100
126 36.2 16.3 48.9

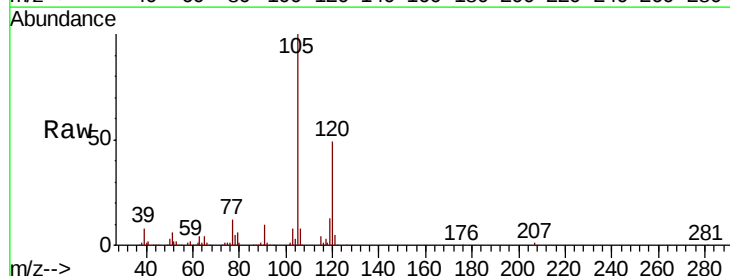


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

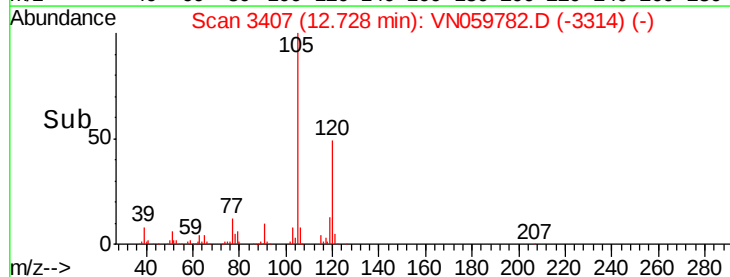
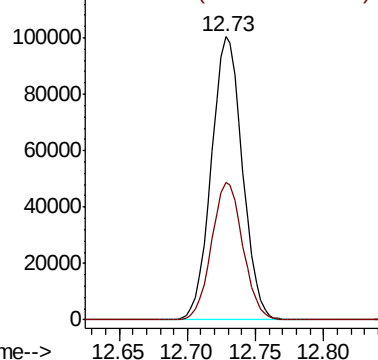


#80
1,3,5-Trimethylbenzene
Concen: 21.217 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 105 Resp: 158739
Ion Ratio Lower Upper
105 100
120 48.7 24.1 72.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.119 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

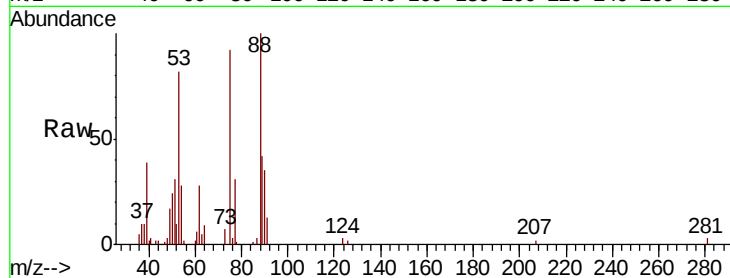
Tot Ion: 75 Resp: 19125

Ion Ratio Lower Upper

75 100

53 90.4 78.1 117.1

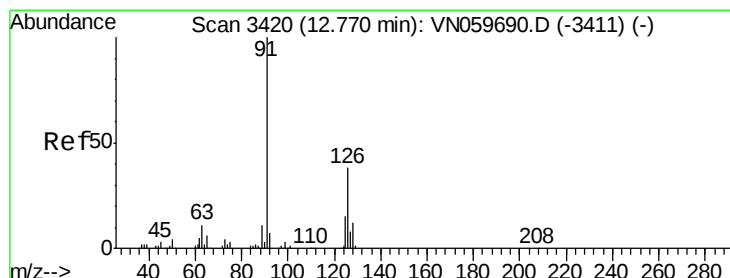
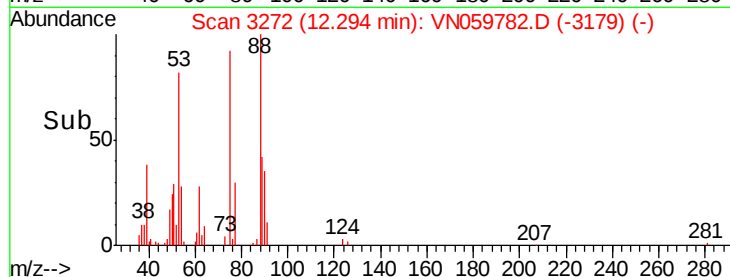
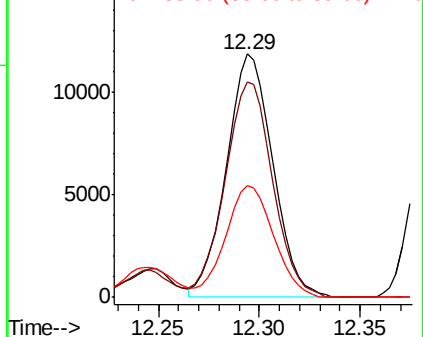
89 47.2 35.4 53.2



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: 20.818 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059782.D

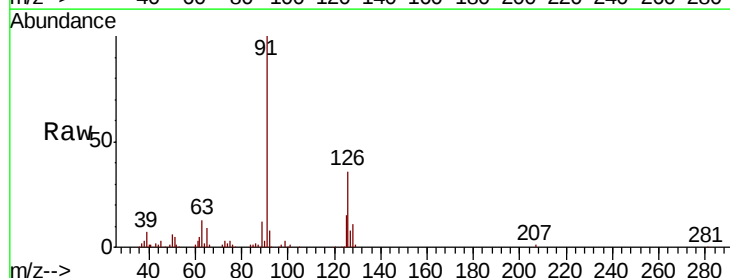
Acq: 20 Jan 2020 13:17

Tgt Ion: 91 Resp: 124031

Ion Ratio Lower Upper

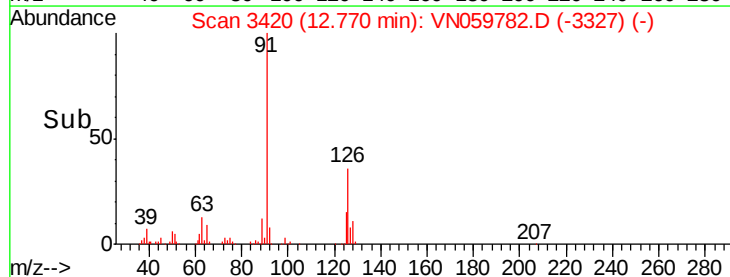
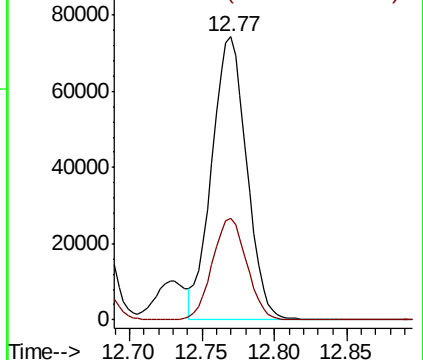
91 100

126 35.4 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

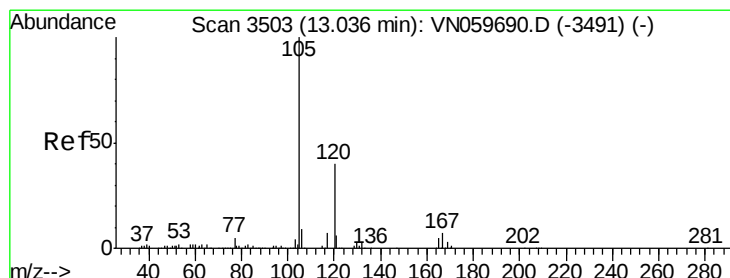
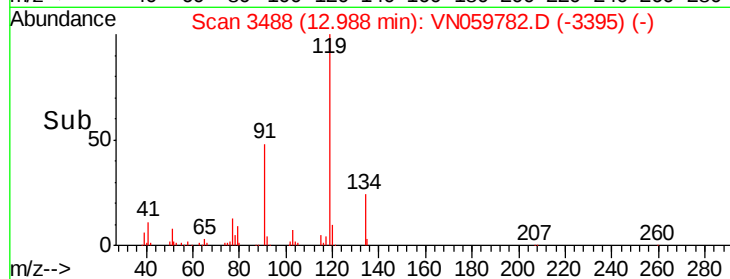
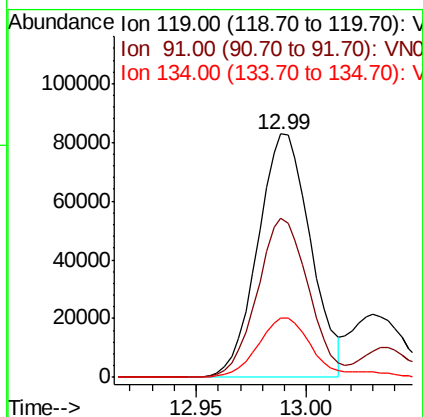
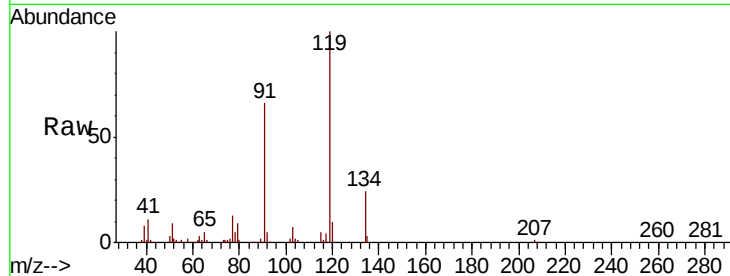




#83
tert-Butylbenzene
Concen: 21.263 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

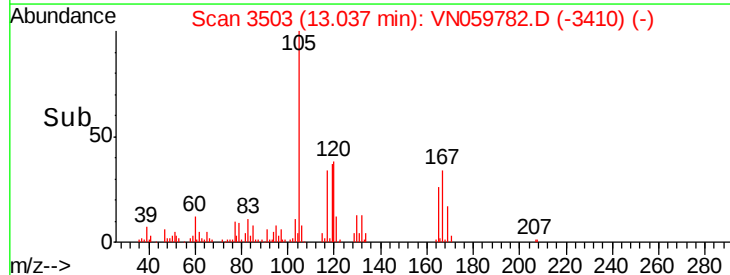
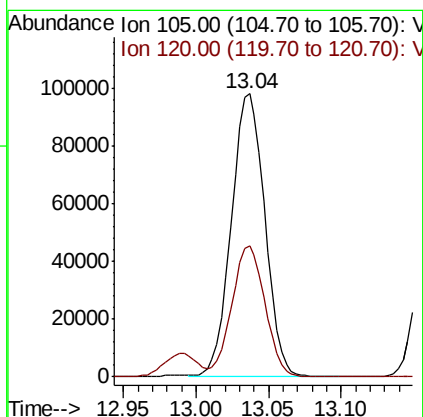
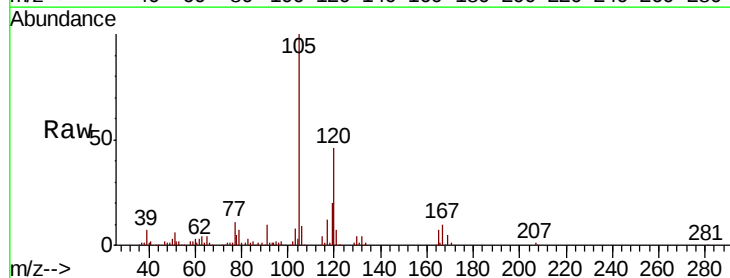
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 137590
Ion Ratio Lower Upper
119 100
91 63.6 34.8 104.4
134 24.5 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 21.272 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion:105 Resp: 157451
Ion Ratio Lower Upper
105 100
120 45.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 21.080 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

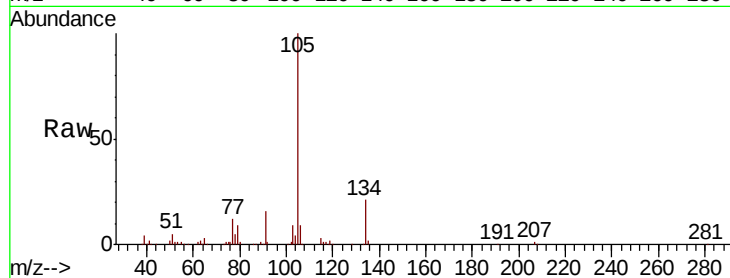
ClientSampled :

Tot Ion:105 Resp: 179211

Ion Ratio Lower Upper

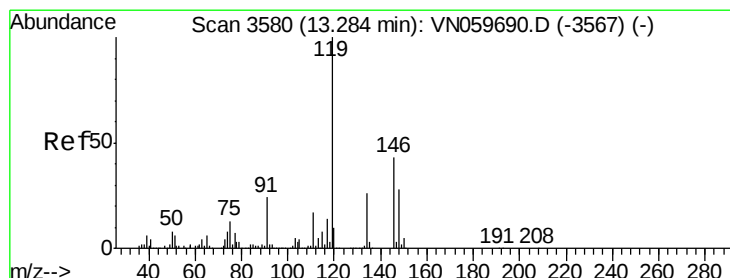
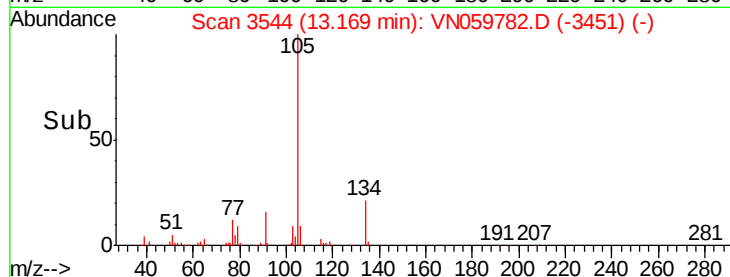
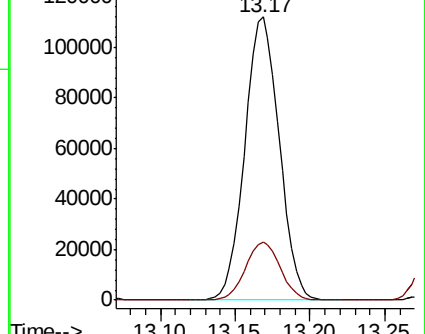
105 100

134 20.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.981 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

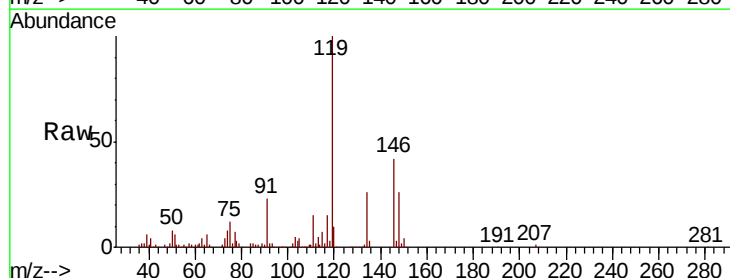
Tgt Ion:119 Resp: 165046

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

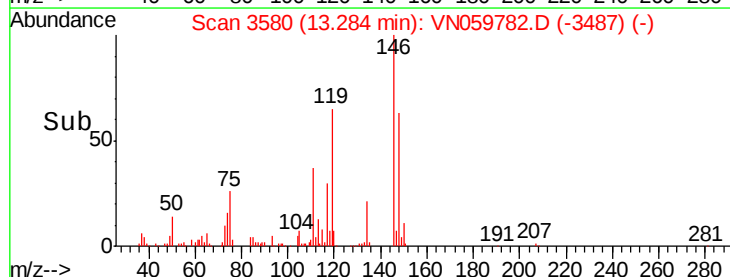
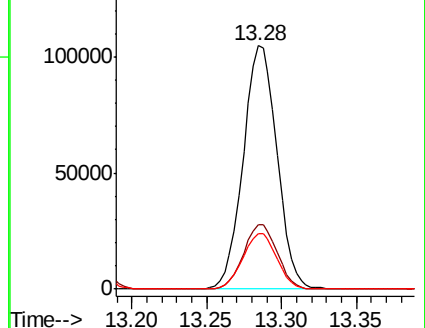
91 23.1 12.4 37.4

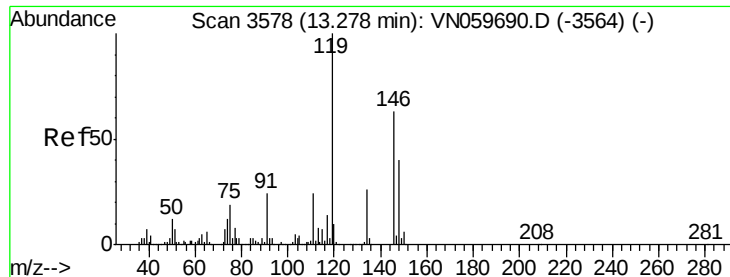


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.149 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

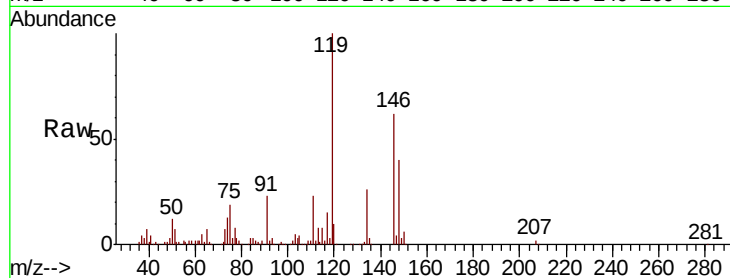
Tot Ion:146 Resp: 82761

Ion Ratio Lower Upper

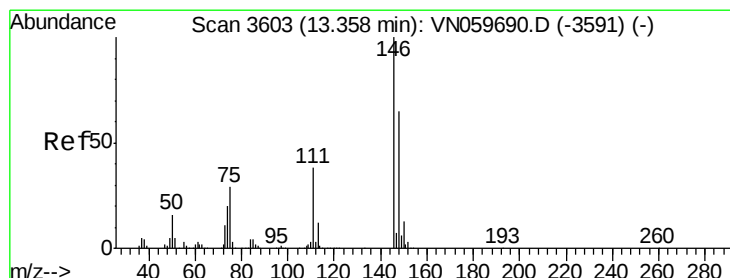
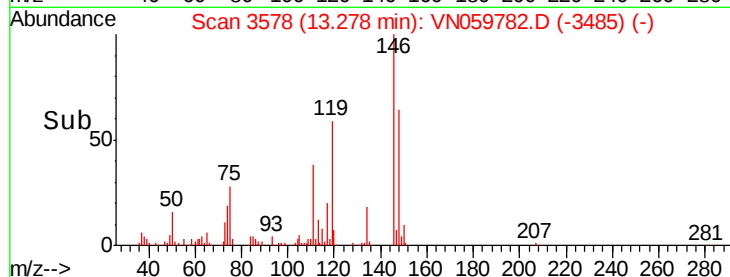
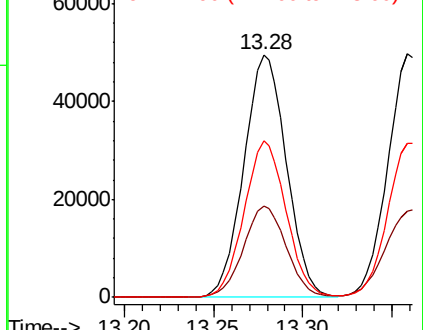
146 100

111 37.8 20.8 62.2

148 63.6 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 21.184 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

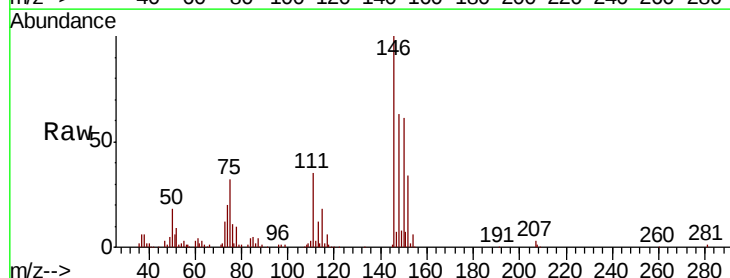
Tgt Ion:146 Resp: 82701

Ion Ratio Lower Upper

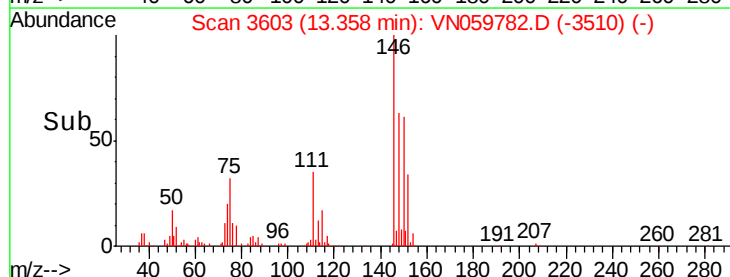
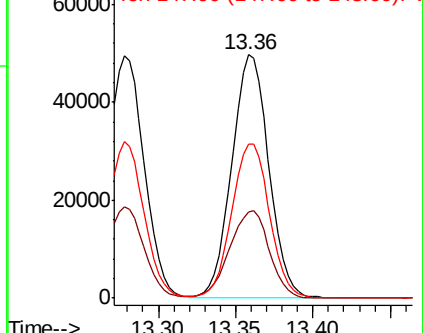
146 100

111 38.7 20.8 62.2

148 64.6 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

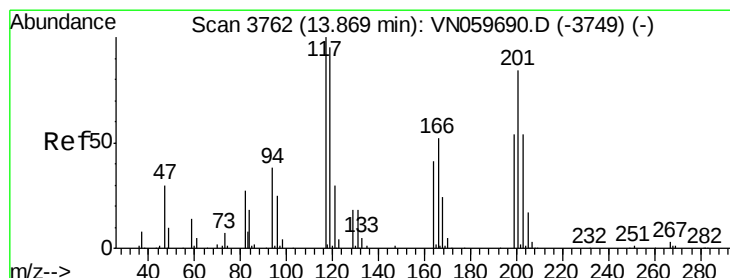
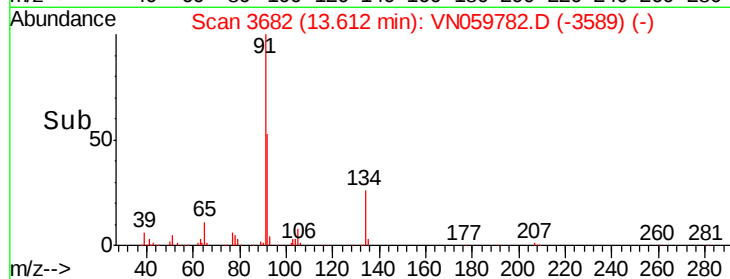
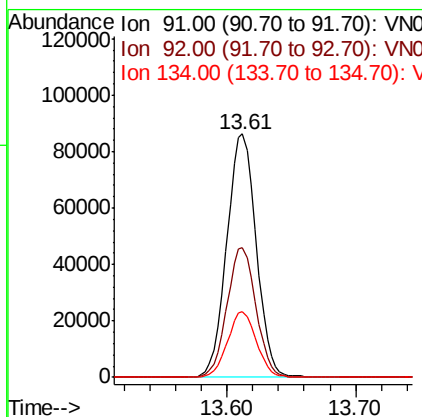
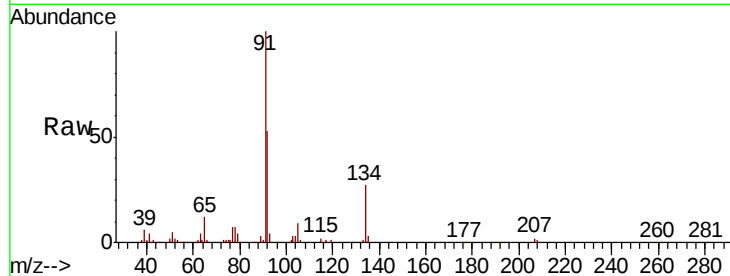




#89
n-Butylbenzene
Concen: 20.387 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

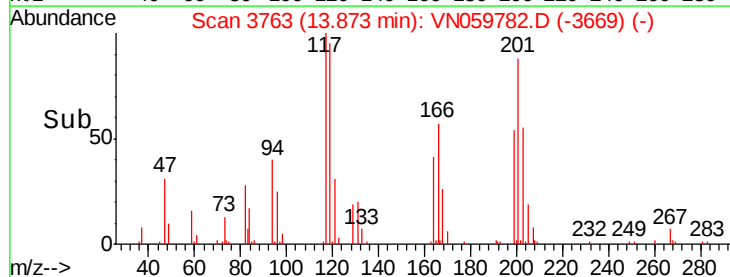
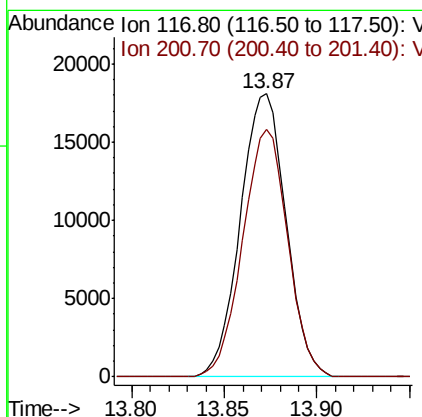
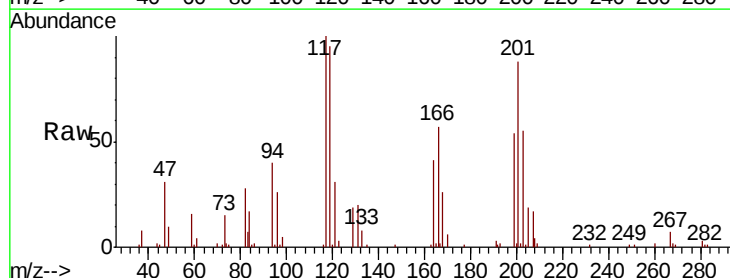
Instrument :
MSVOA_N
ClientSampled :

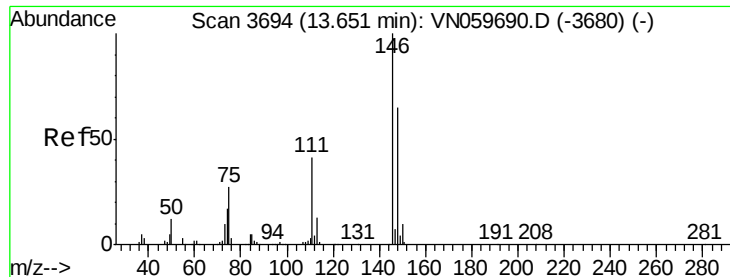
Tot Ion: 91 Resp: 136737
Ion Ratio Lower Upper
91 100
92 52.2 25.9 77.7
134 26.5 12.3 36.8



#90
Hexachloroethane
Concen: 21.057 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059782.D
Acq: 20 Jan 2020 13:17

Tgt Ion: 117 Resp: 30992
Ion Ratio Lower Upper
117 100
201 86.0 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 21.199 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

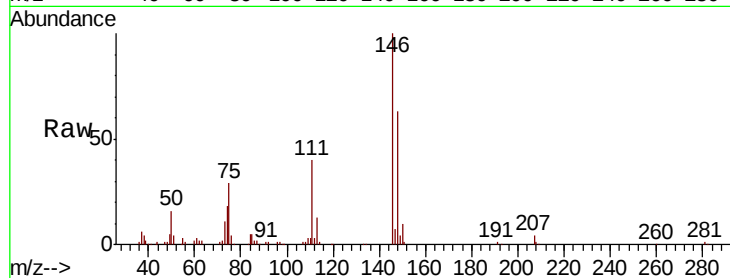
Tot Ion:146 Resp: 82013

Ion Ratio Lower Upper

146 100

111 39.1 21.6 64.8

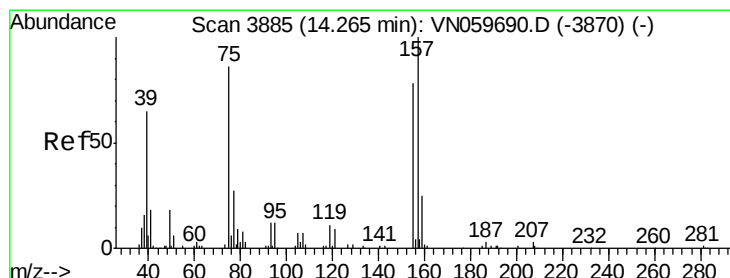
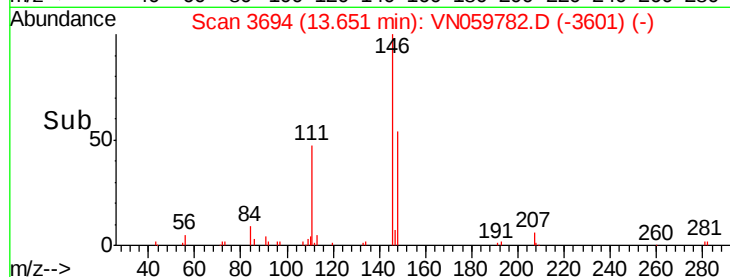
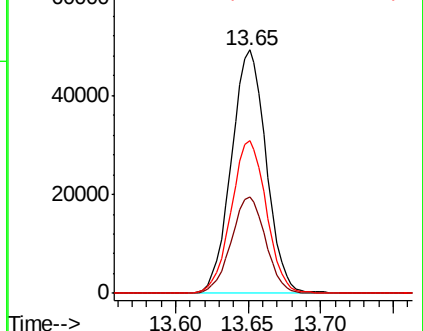
148 63.3 31.6 95.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.619 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

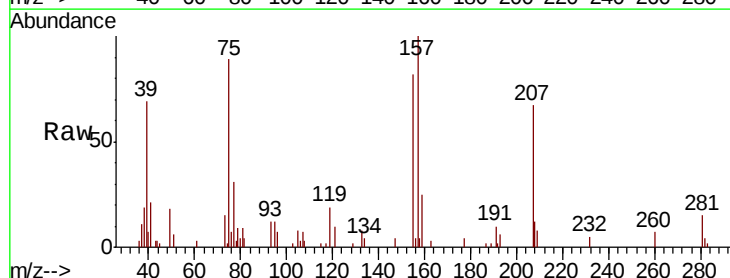
Tgt Ion: 75 Resp: 12093

Ion Ratio Lower Upper

75 100

155 87.6 37.0 110.9

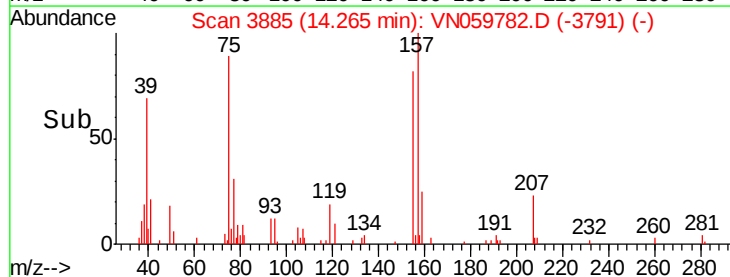
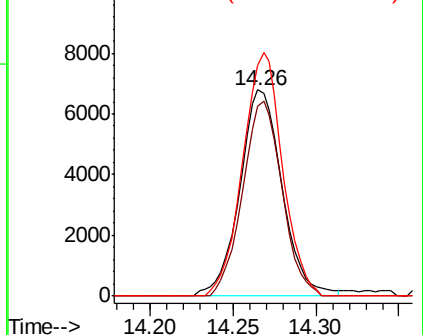
157 110.9 48.4 145.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

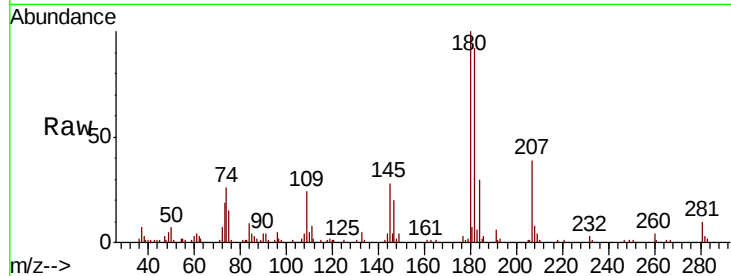




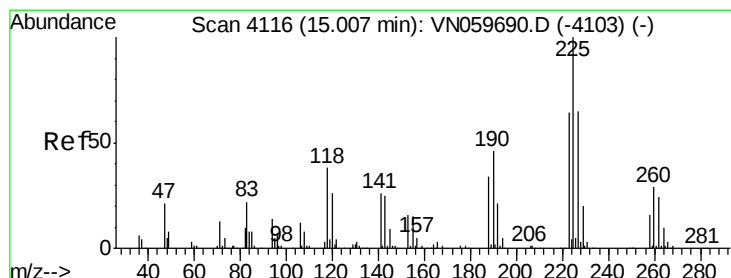
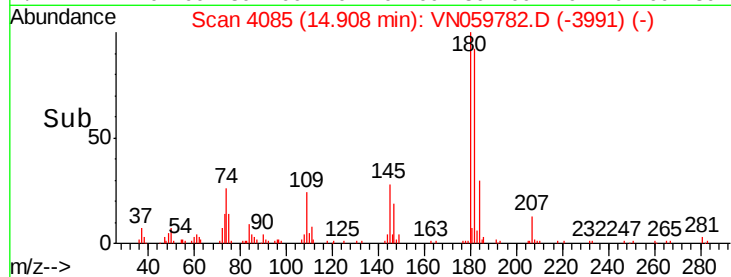
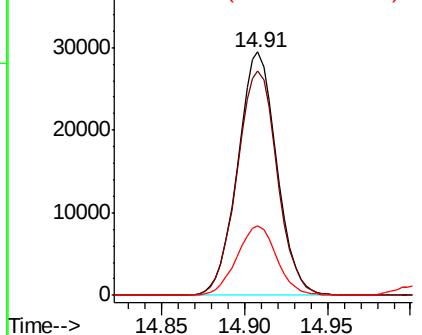
#93
 1,2,4-Trichlorobenzene
 Concen: 20.725 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 48179
 Ion Ratio Lower Upper
 180 100
 182 95.1 46.9 140.7
 145 29.1 15.0 45.1

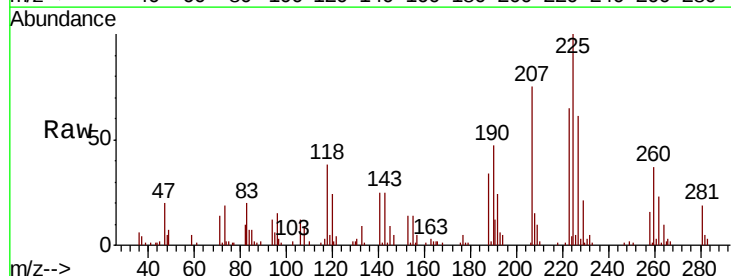


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

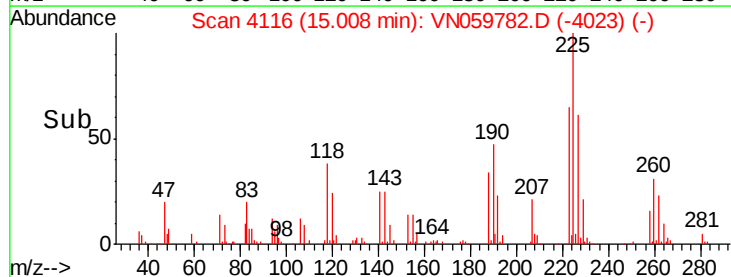
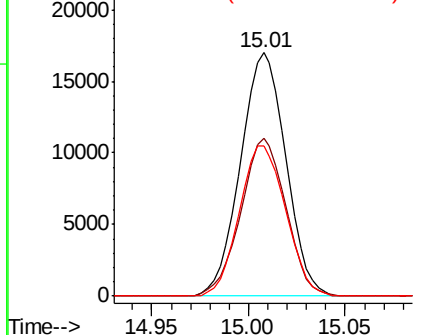


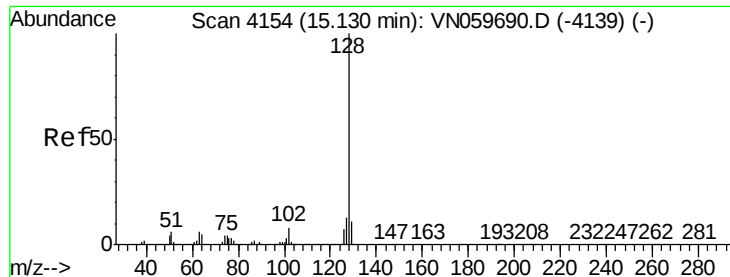
#94
 Hexachlorobutadiene
 Concen: 21.708 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059782.D
 Acq: 20 Jan 2020 13:17

Tgt Ion:225 Resp: 27809
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.8 95.3
 227 63.0 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: 19.780 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

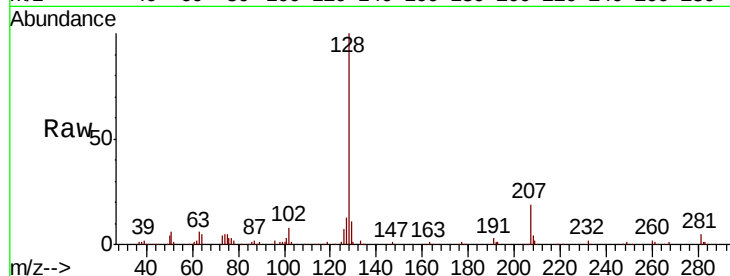
Tot Ion:128 Resp: 130789

Ion Ratio Lower Upper

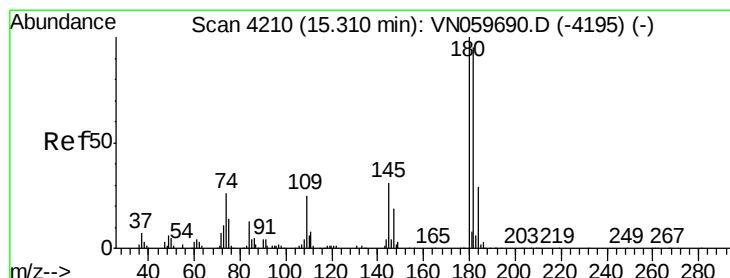
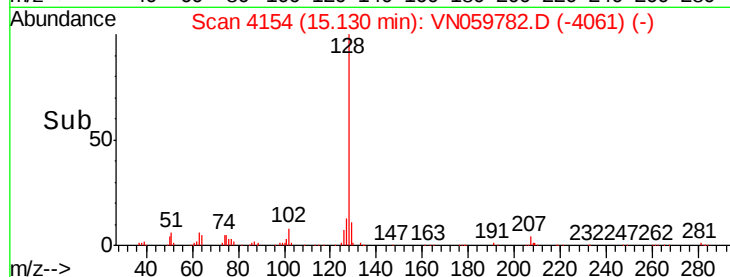
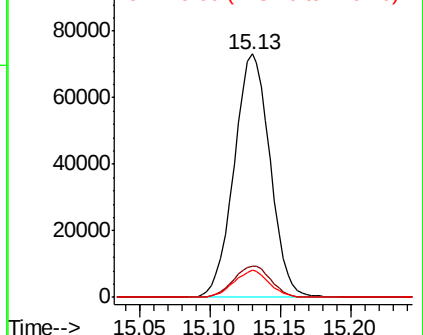
128 100

127 13.1 10.4 15.6

129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.769 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059782.D

Acq: 20 Jan 2020 13:17

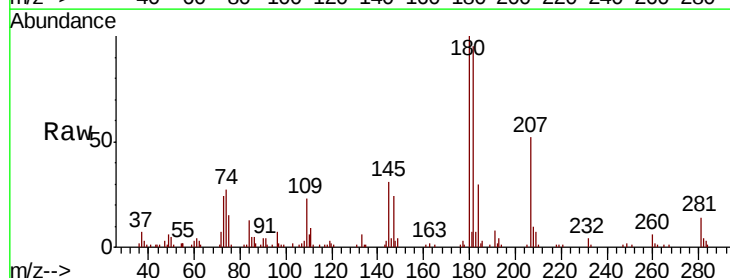
Tgt Ion:180 Resp: 46994

Ion Ratio Lower Upper

180 100

182 96.9 47.4 142.3

145 31.8 16.3 48.9



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

