

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059819.D
 Acq On : 21 Jan 2020 19:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 02:49:47 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	198192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	309334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	279037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112098	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	7.56	113	93829	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.08	98	359871	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.40	95	128871	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	117830	50.431	ug/l	100
3) Chloromethane	2.04	50	109210	48.130	ug/l	98
4) Vinyl Chloride	2.17	62	139976	53.916	ug/l	98
5) Bromomethane	2.53	94	84455	53.305	ug/l	99
6) Chloroethane	2.68	64	64670	52.652	ug/l	97
7) Trichlorofluoromethane	3.00	101	165771	53.168	ug/l	100
8) Diethyl Ether	3.38	74	58483	53.449	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94726	54.588	ug/l	92
10) Methyl Iodide	3.93	142	145600	51.909	ug/l	95
11) Tert butyl alcohol	4.73	59	97779	263.895	ug/l	99
12) 1,1-Dichloroethene	3.72	96	92969	51.272	ug/l	87
13) Acrolein	3.58	56	67119	255.901	ug/l	98
14) Allyl chloride	4.29	41	121085	49.543	ug/l #	83
15) Acrylonitrile	4.94	53	229397	271.415	ug/l	99
16) Acetone	3.78	43	249874	336.316	ug/l	97
17) Carbon Disulfide	4.03	76	245009	47.433	ug/l	100
18) Methyl Acetate	4.28	43	143323	55.749	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	312890	52.925	ug/l	94
20) Methylene Chloride	4.52	84	103437	51.996	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	97638	50.656	ug/l	88
22) Diisopropyl ether	5.91	45	282380	50.983	ug/l #	95
23) Vinyl Acetate	5.86	43	922707	215.170	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	174903	51.681	ug/l	97
25) 2-Butanone	6.80	43	326946	262.313	ug/l #	90
26) 2,2-Dichloropropane	6.79	77	156459	48.089	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	116075	52.359	ug/l	87
28) Bromochloromethane	7.17	49	67104	49.610	ug/l #	71
29) Tetrahydrofuran	7.18	42	199121	258.206	ug/l	87
30) Chloroform	7.35	83	185108	52.790	ug/l	98
31) Cyclohexane	7.63	56	152820	46.928	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	171637	52.939	ug/l	96
36) 1,1-Dichloropropene	7.77	75	134115	49.787	ug/l	95
37) Ethyl Acetate	6.90	43	127603	50.505	ug/l	97
38) Carbon Tetrachloride	7.75	117	153808	52.489	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	162134	48.813	ug/l	91
40) Benzene	8.02	78	405982	50.534	ug/l	99
41) Methacrylonitrile	7.18	41	183364	147.343	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	144564	53.072	ug/l	97
43) Isopropyl Acetate	8.14	43	219825	50.584	ug/l #	94
44) Trichloroethene	8.82	130	119894	54.667	ug/l	95
45) 1,2-Dichloropropane	9.10	63	104005	52.317	ug/l	100
46) Dibromomethane	9.19	93	73916	52.709	ug/l	91
47) Bromodichloromethane	9.39	83	149116	52.767	ug/l	99
48) Methyl methacrylate	9.18	41	95339	49.047	ug/l	89
49) 1,4-Dioxane	9.18	88	40405	1135.456	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	640530	254.973	ug/l	94
52) Toluene	10.14	92	263549	51.935	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	163291	51.750	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	173756	52.335	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	104679	52.084	ug/l	97
56) Ethyl methacrylate	10.42	69	157355	51.239	ug/l	90
57) 1,3-Dichloropropane	10.70	76	169325	53.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	257707	278.603	ug/l	91
59) 2-Hexanone	10.74	43	491111	265.363	ug/l	94
60) Dibromochloromethane	10.89	129	123862	54.119	ug/l	100
61) 1,2-Dibromoethane	10.99	107	112486	53.399	ug/l	99
64) Tetrachloroethene	10.62	164	158578	69.730	ug/l	95
65) Chlorobenzene	11.43	112	285673	52.086	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	114057	53.820	ug/l	100
67) Ethyl Benzene	11.50	91	513227	51.548	ug/l	98
68) m/p-Xylenes	11.61	106	391454	104.086	ug/l	94
69) o-Xylene	11.94	106	190456	51.727	ug/l	95
70) Styrene	11.96	104	317961	51.607	ug/l	96
71) Bromoform	12.12	173	93032	54.804	ug/l #	98
73) Isopropylbenzene	12.24	105	513329	51.228	ug/l	99
74) N-amyl acetate	12.06	43	189226	48.666	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	142687	49.119	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	199811	86.898	ug/l #	100
77) Bromobenzene	12.52	156	131108	51.667	ug/l	82
78) n-propylbenzene	12.59	91	574324	51.065	ug/l	98
79) 2-Chlorotoluene	12.67	91	336612	50.310	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	424910	50.421	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	52863	49.372	ug/l	94
82) 4-Chlorotoluene	12.77	91	341668	50.912	ug/l	95
83) tert-Butylbenzene	12.99	119	369024	50.631	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	425861	51.080	ug/l	98
85) sec-Butylbenzene	13.17	105	486718	50.827	ug/l	99
86) p-Isopropyltoluene	13.28	119	448658	50.635	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	230742	52.348	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	226736	51.562	ug/l	97
89) n-Butylbenzene	13.61	91	375370	49.686	ug/l	98
90) Hexachloroethane	13.87	117	84337	50.873	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	226621	52.005	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32166	51.658	ug/l	81

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

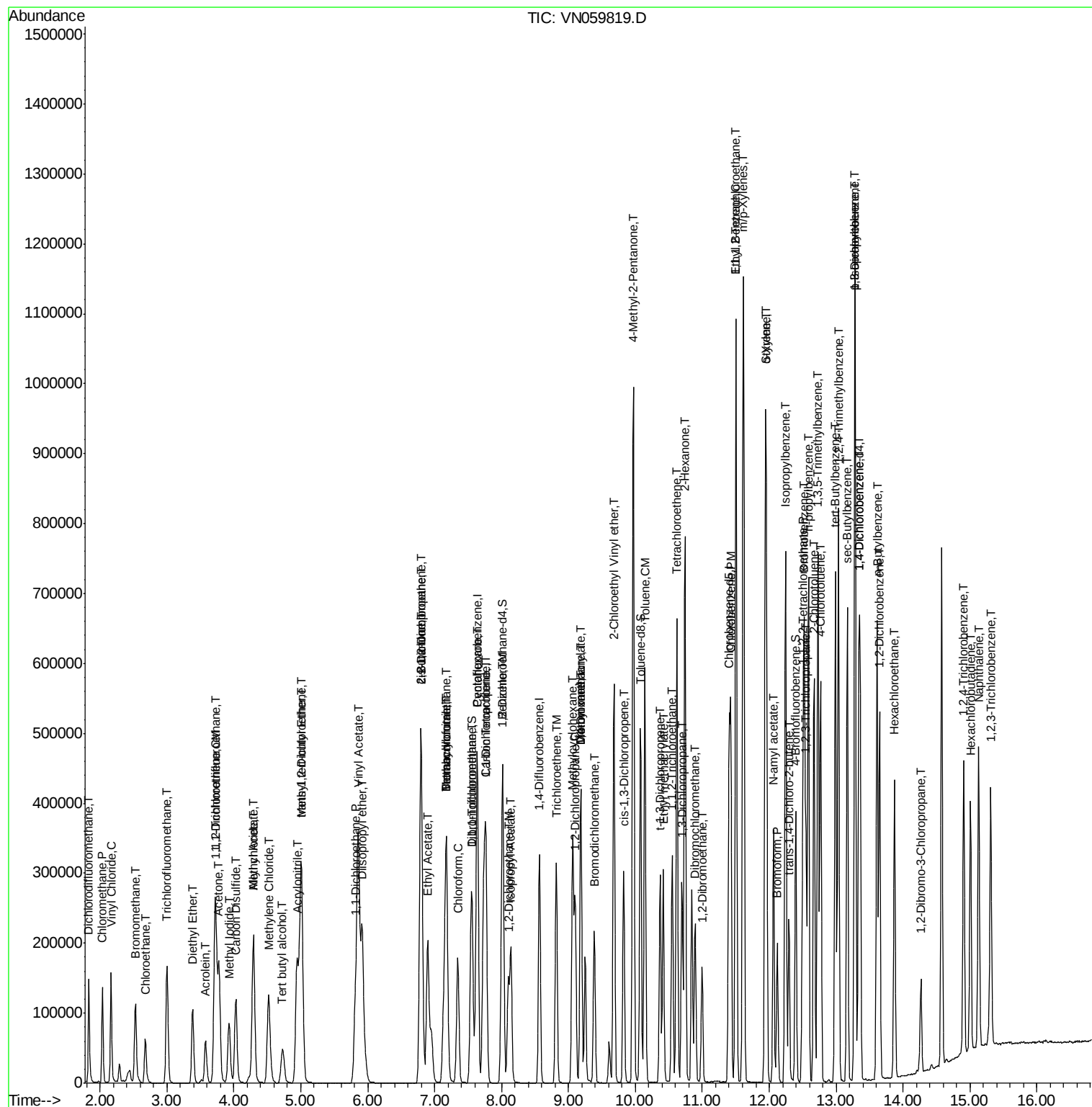
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	134347	51.308	ug/l	98
94) Hexachlorobutadiene	15.01	225	71724	49.707	ug/l	99
95) Naphthalene	15.13	128	373805	50.190	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128954	50.596	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

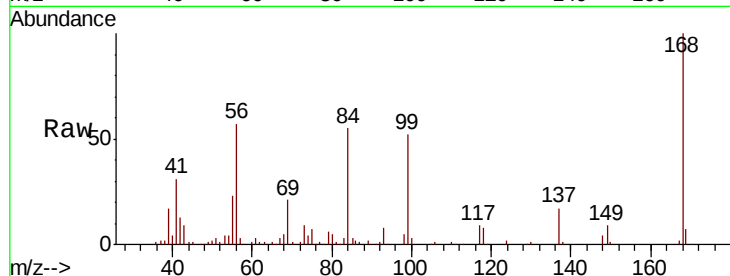
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 198192

Ion Ratio Lower Upper

168 100

99 52.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

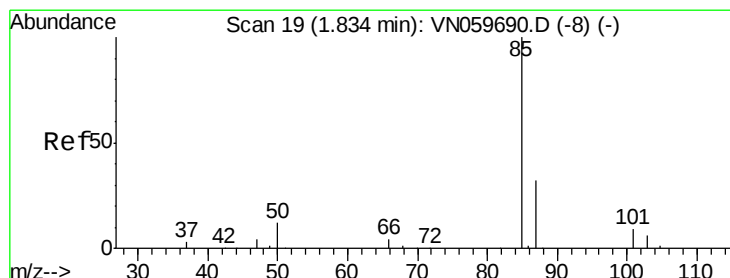
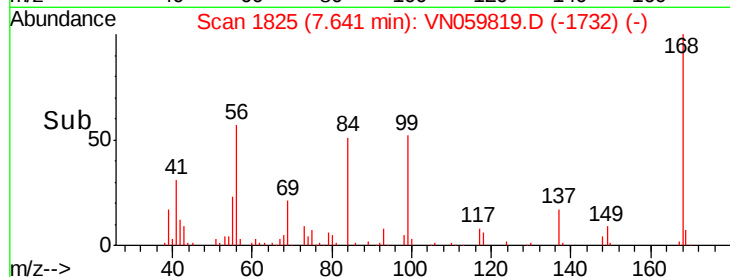
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.431 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059819.D

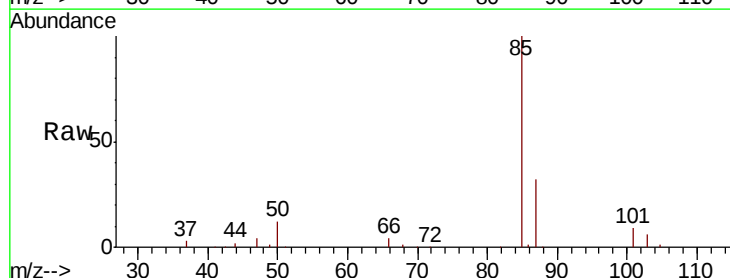
Acq: 21 Jan 2020 19:31

Tgt Ion: 85 Resp: 117830

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

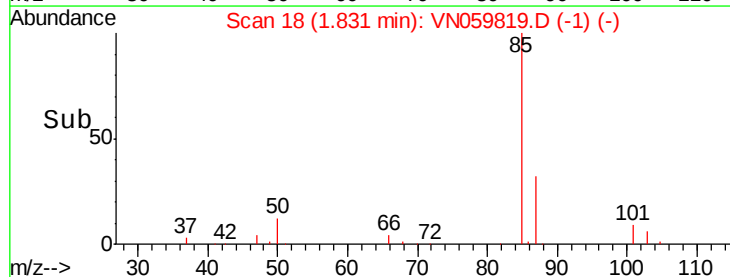
40000

20000

0

1.75 1.80 1.85 1.90 1.95

Time-->

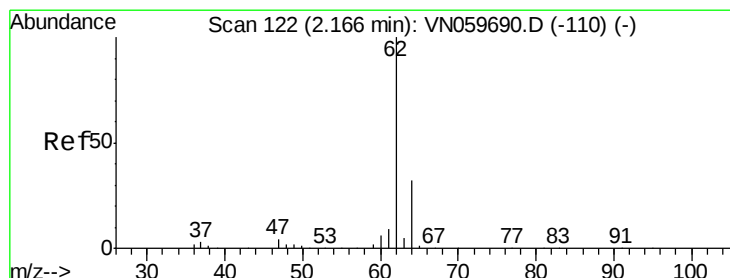
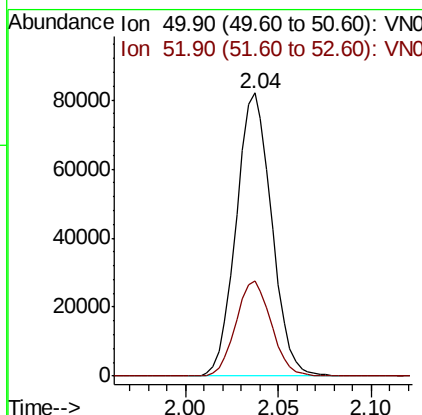
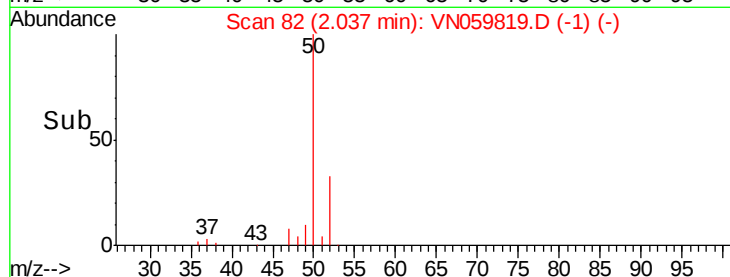
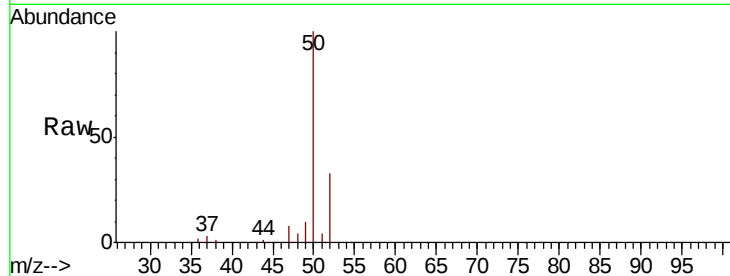




#3
Chloromethane
Concen: 48.130 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

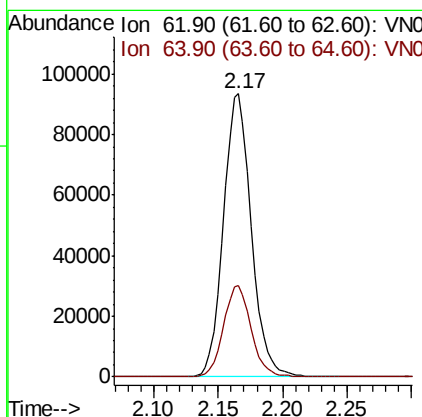
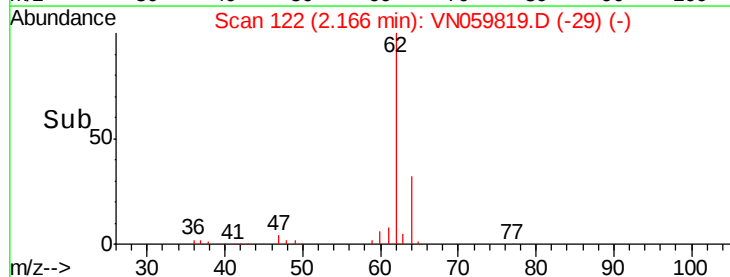
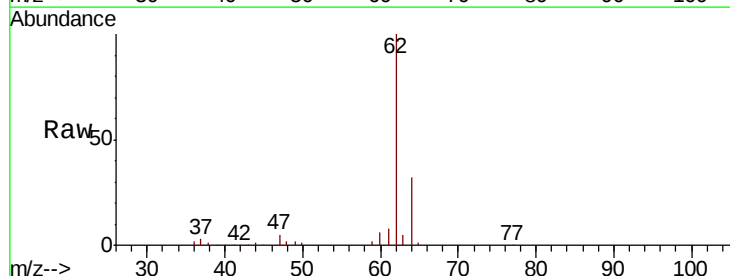
Instrument :
MSVOA_N
ClientSampleId :

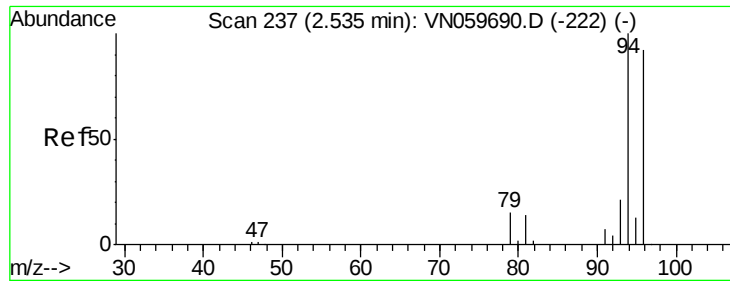
Tot Ion: 50 Resp: 109210
Ion Ratio Lower Upper
50 100
52 33.4 25.9 38.9



#4
Vinyl Chloride
Concen: 53.916 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 62 Resp: 139976
Ion Ratio Lower Upper
62 100
64 32.1 24.6 37.0





#5

Bromomethane

Concen: 53.305 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

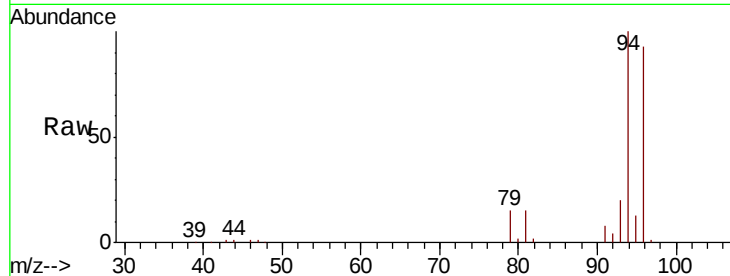
ClientSampleId :

Tot Ion: 94 Resp: 84455

Ion Ratio Lower Upper

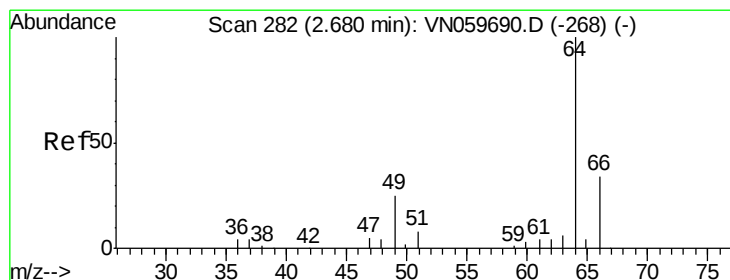
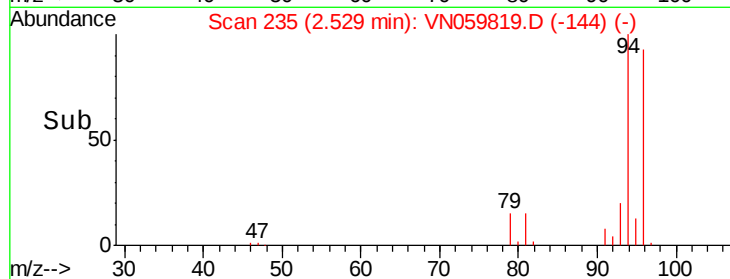
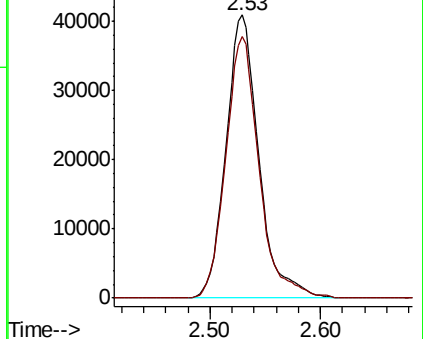
94 100

96 92.6 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.652 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059819.D

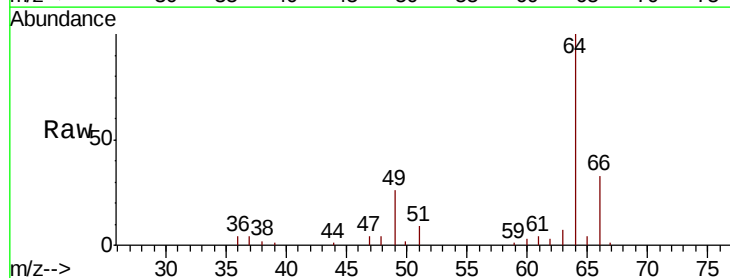
Acq: 21 Jan 2020 19:31

Tgt Ion: 64 Resp: 64670

Ion Ratio Lower Upper

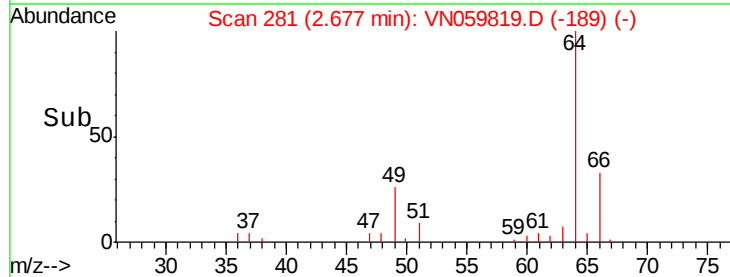
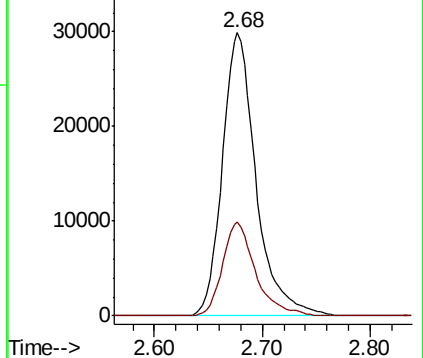
64 100

66 33.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



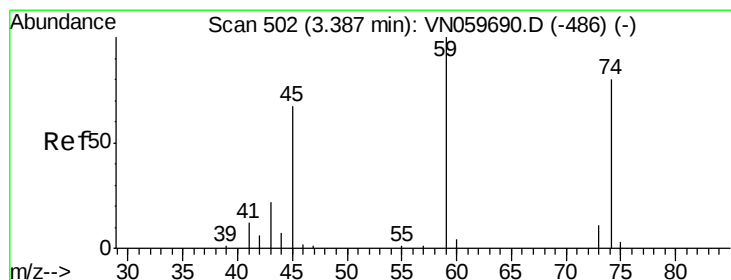
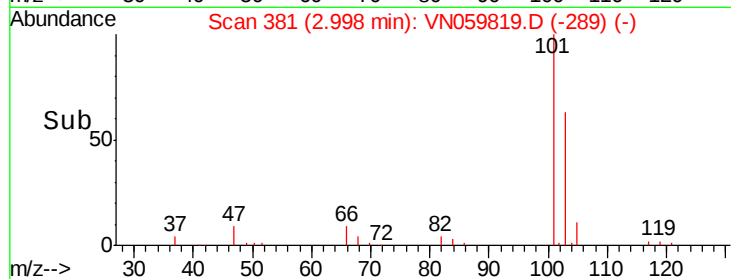
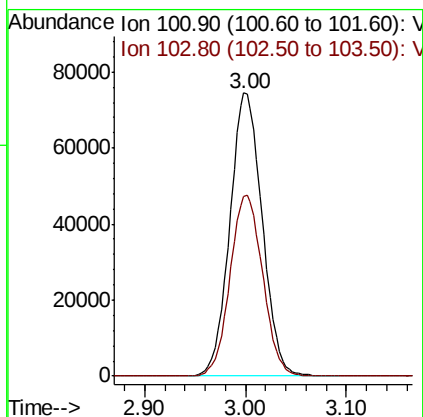
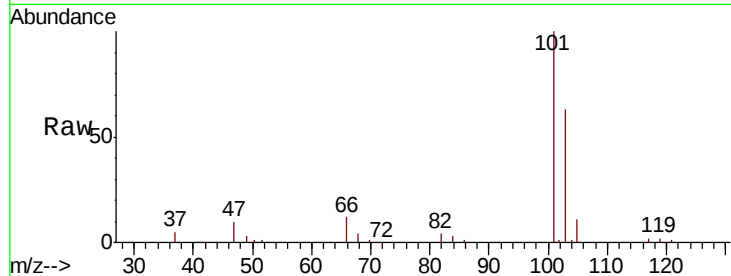


#7

Trichlorofluoromethane
Concen: 53.168 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampled :

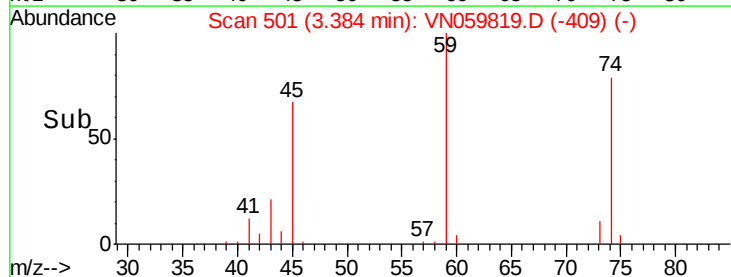
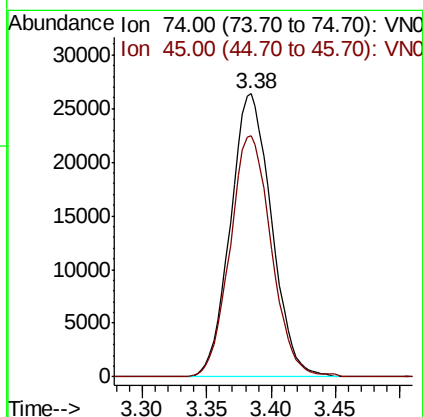
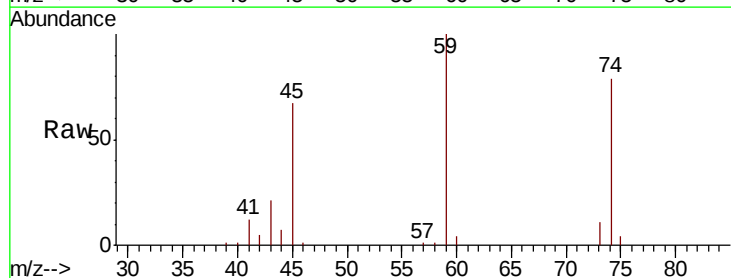
Tot Ion:101 Resp: 165771
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.6

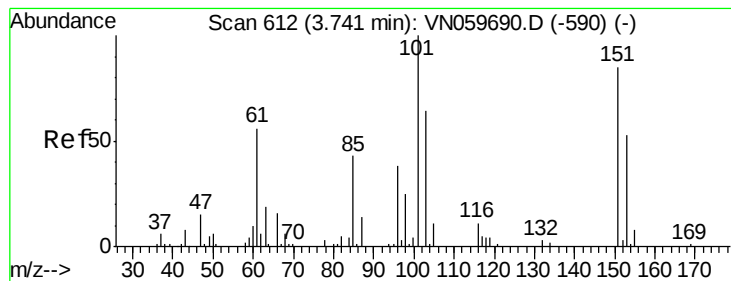


#8

Diethyl Ether
Concen: 53.449 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 74 Resp: 58483
Ion Ratio Lower Upper
74 100
45 85.6 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.588 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampled :

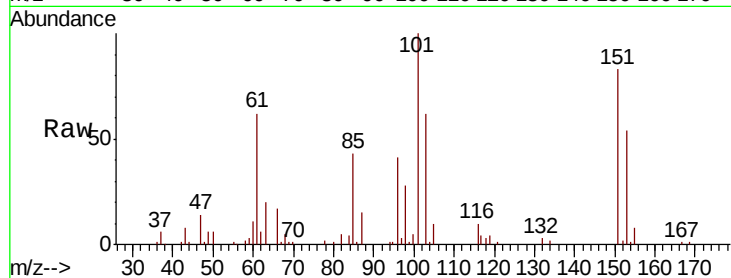
Tot Ion:101 Resp: 94726

Ion Ratio Lower Upper

101 100

85 42.9 36.6 54.8

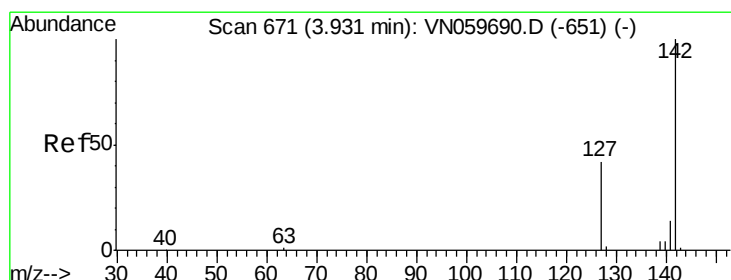
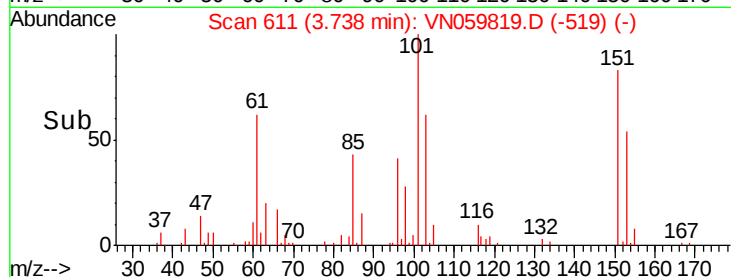
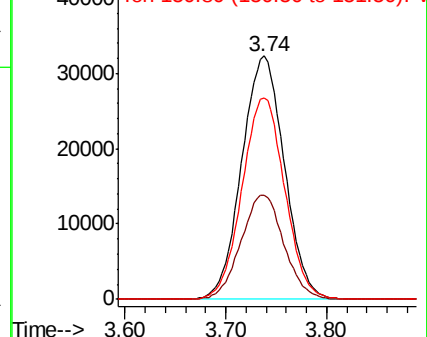
151 82.9 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.909 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

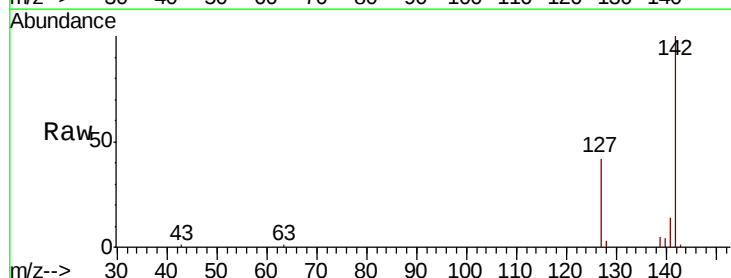
Tgt Ion:142 Resp: 145600

Ion Ratio Lower Upper

142 100

127 41.9 36.7 55.1

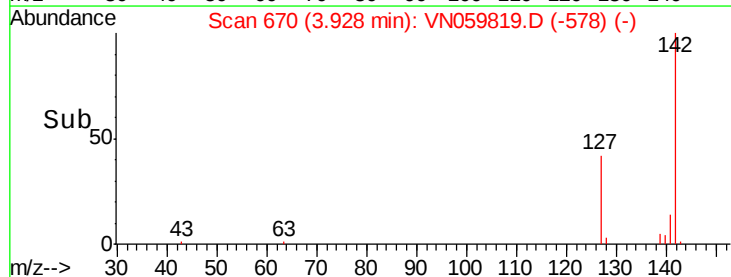
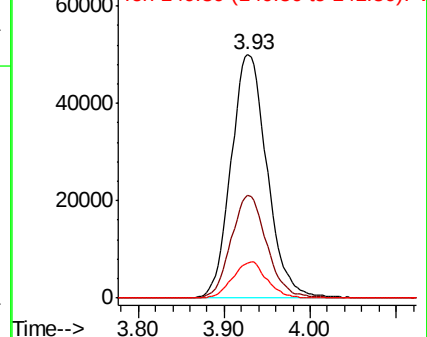
141 14.1 11.7 17.5

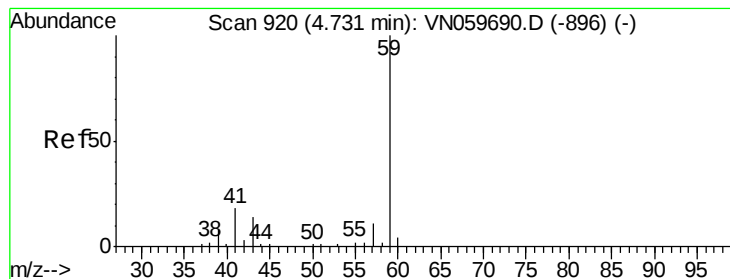


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



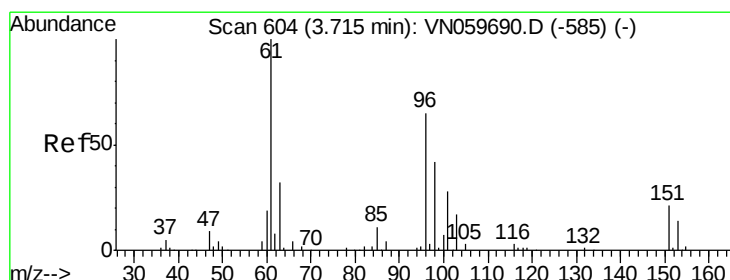
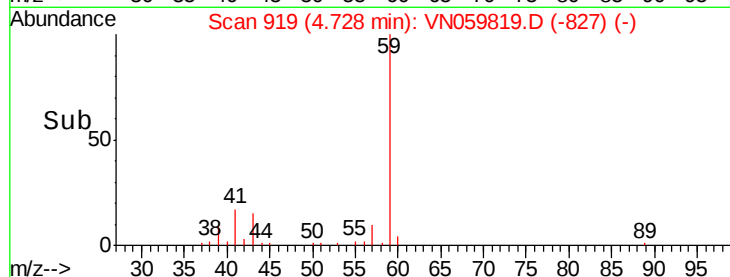
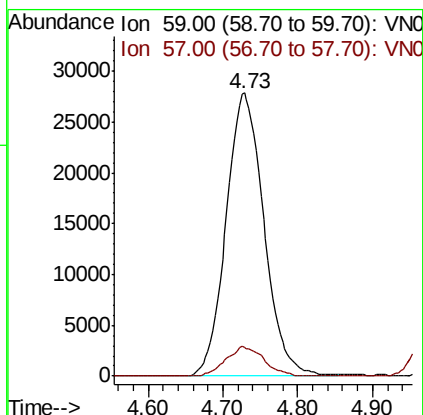
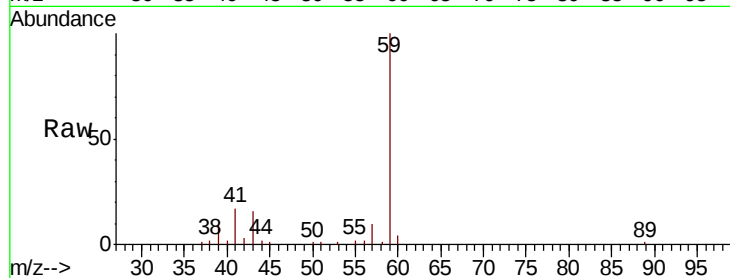


#11

Tert butyl alcohol
 Concen: 263.895 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampled :

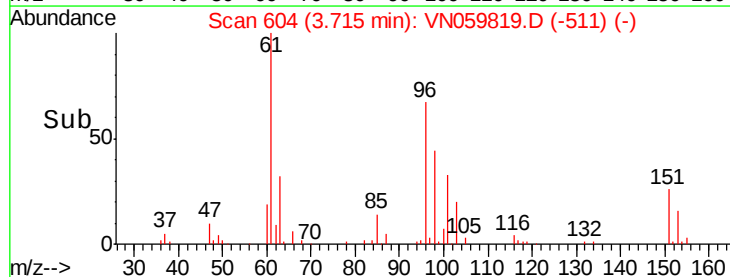
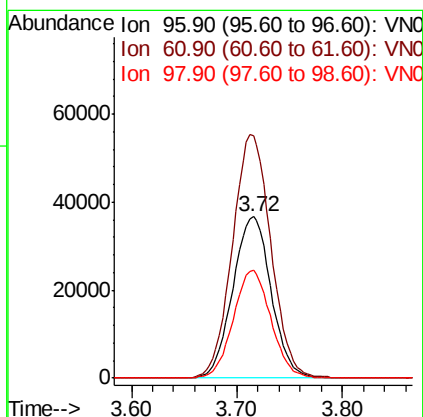
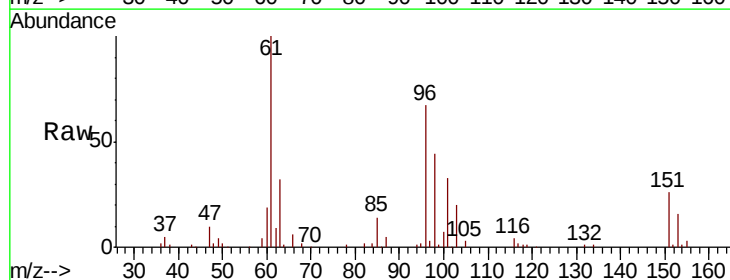
Tot Ion: 59 Resp: 97779
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.6 12.8

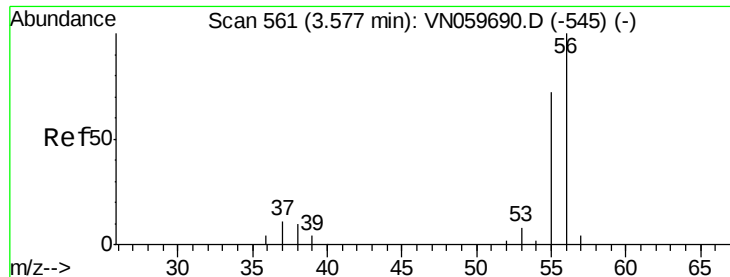


#12

1,1-Dichloroethene
 Concen: 51.272 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion: 96 Resp: 92969
 Ion Ratio Lower Upper
 96 100
 61 150.2 137.5 206.3
 98 66.6 50.2 75.4

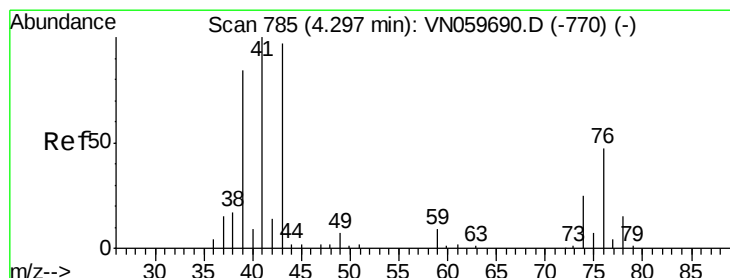
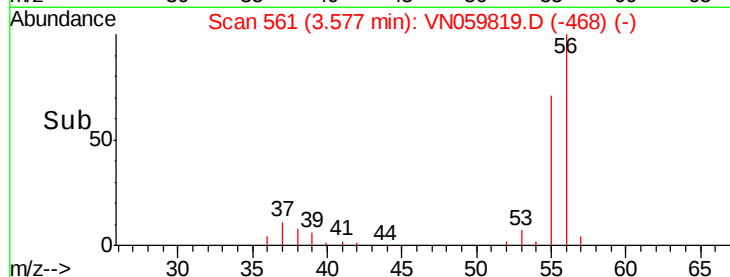
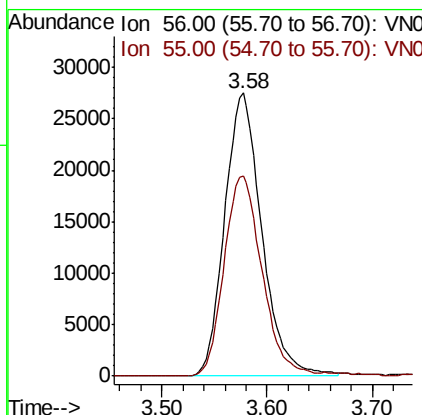
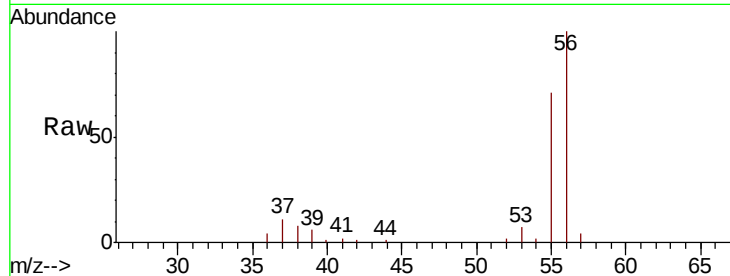




#13
 Acrolein
 Concen: 255.901 ug/l
 RT: 3.58 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

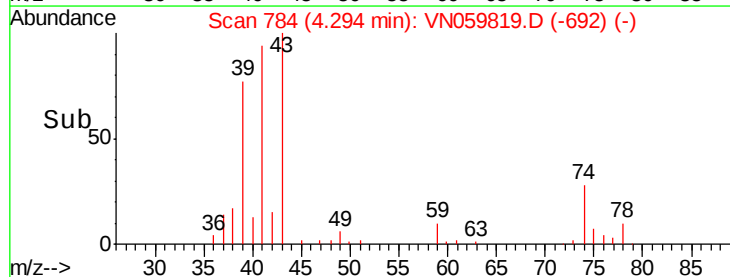
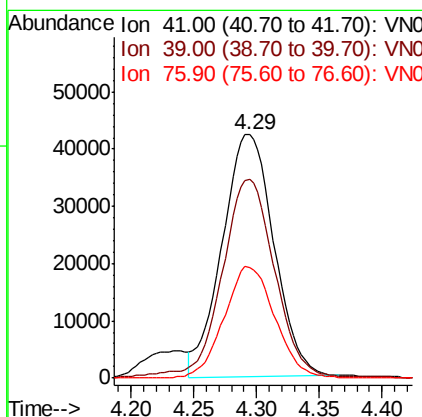
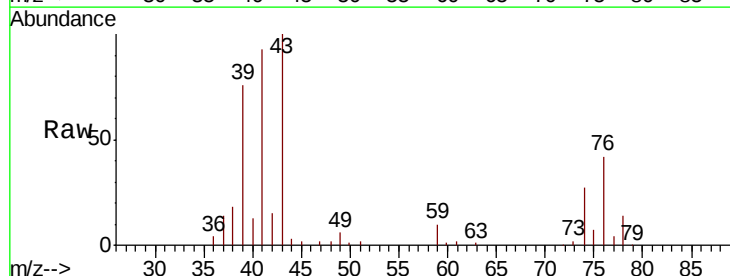
Instrument :
 MSVOA_N
 ClientSampleId :

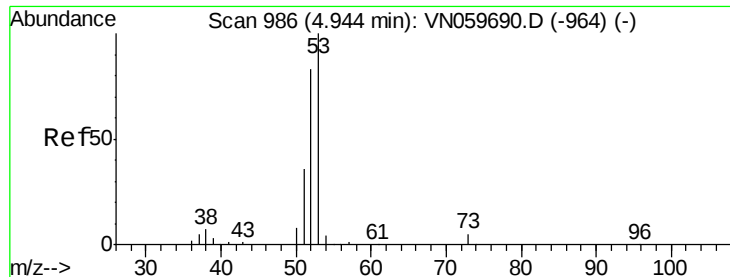
Tot Ion: 56 Resp: 67119
 Ion Ratio Lower Upper
 56 100
 55 72.0 58.6 88.0



#14
 Allyl chloride
 Concen: 49.543 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion: 41 Resp: 121085
 Ion Ratio Lower Upper
 41 100
 39 84.2 57.8 86.8
 76 45.4 25.4 38.0#





#15

Acrylonitrile

Concen: 271.415 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

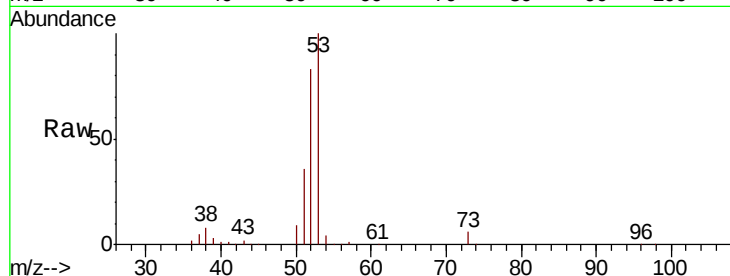
Tot Ion: 53 Resp: 229397

Ion Ratio Lower Upper

53 100

52 82.4 66.3 99.5

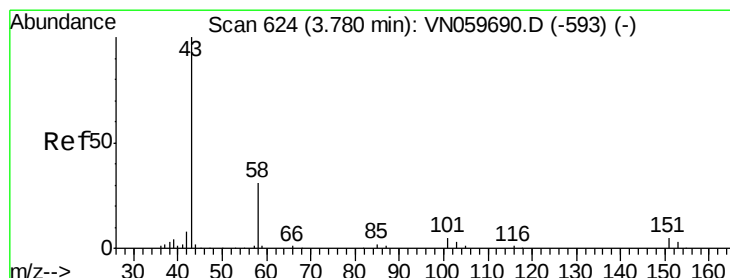
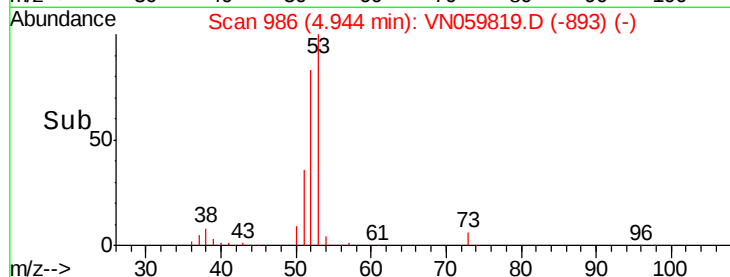
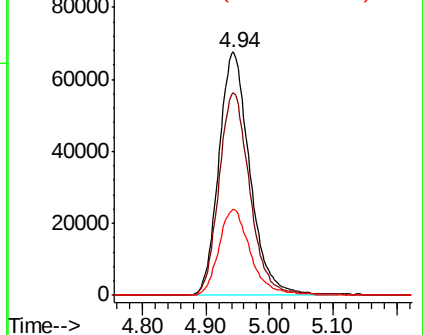
51 36.1 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059819.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN059819.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN059819.D (-893) (-)



#16

Acetone

Concen: 336.316 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN059819.D

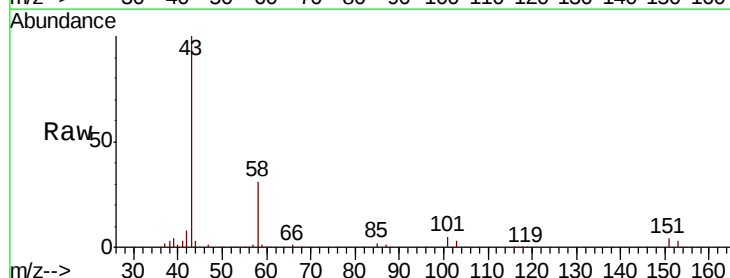
Acq: 21 Jan 2020 19:31

Tgt Ion: 43 Resp: 249874

Ion Ratio Lower Upper

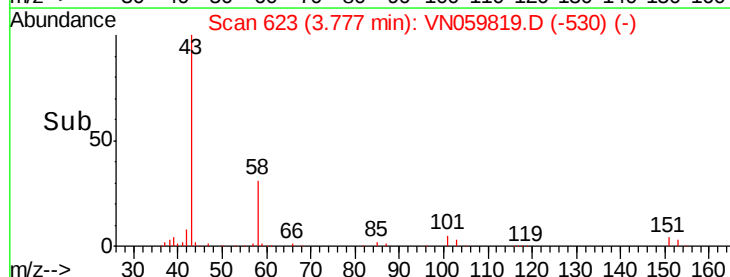
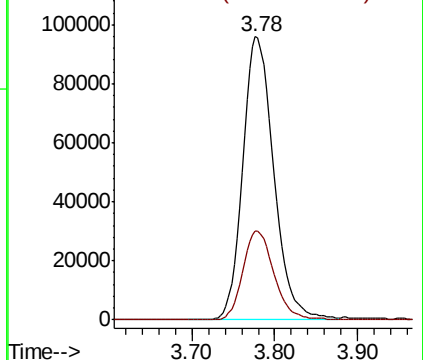
43 100

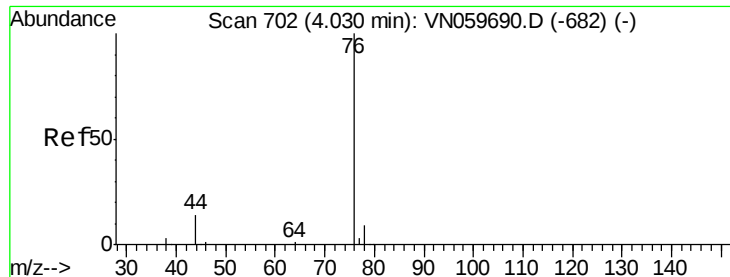
58 31.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059819.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059819.D (-530) (-)

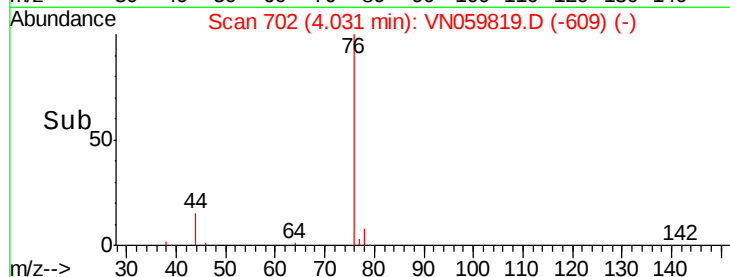
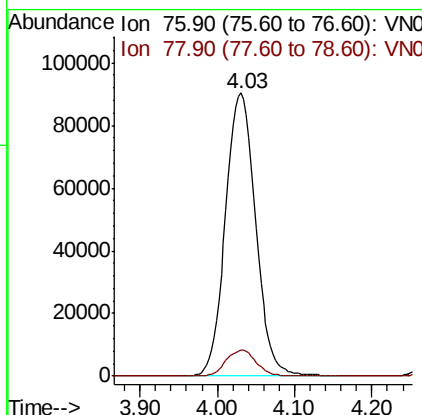
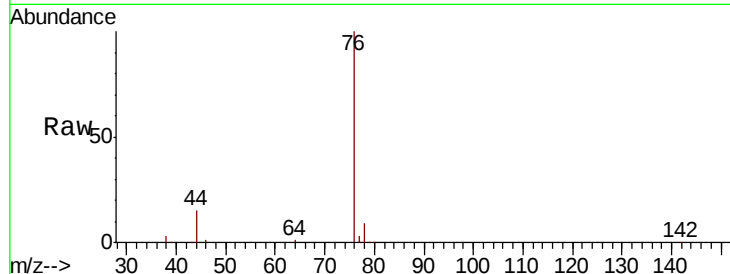




#17
Carbon Disulfide
Concen: 47.433 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

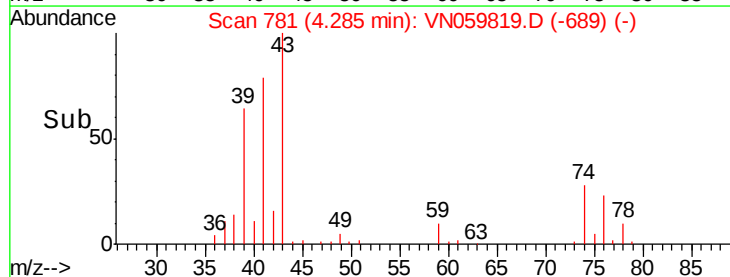
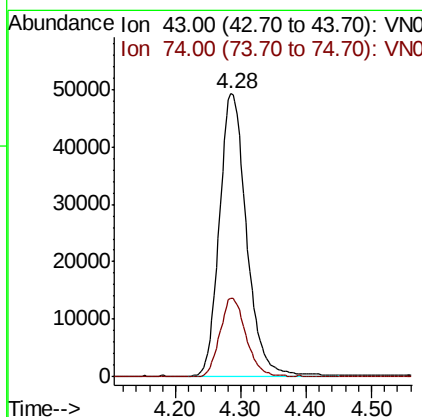
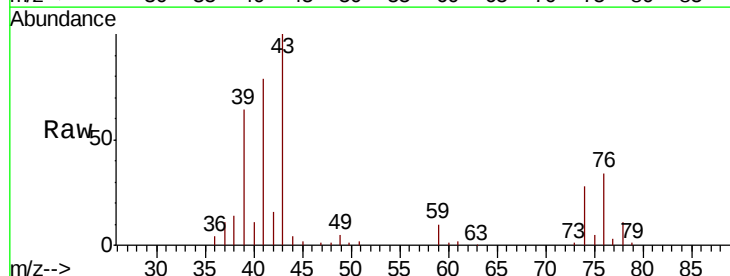
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 245009
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 55.749 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 43 Resp: 143323
Ion Ratio Lower Upper
43 100
74 26.6 17.5 26.3#

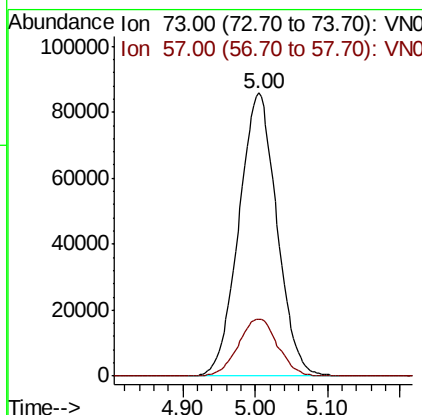
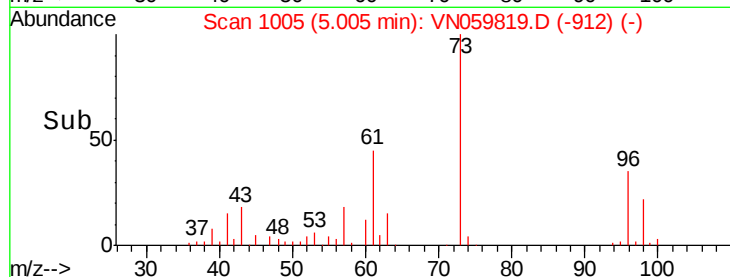
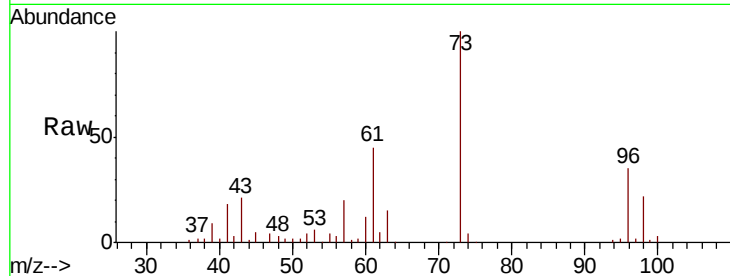




#19
Methvl tert-butvl Ether
Concen: 52.925 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

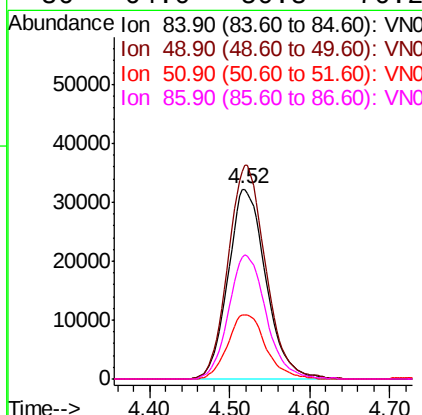
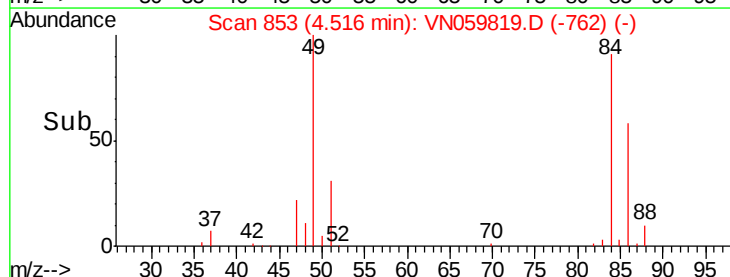
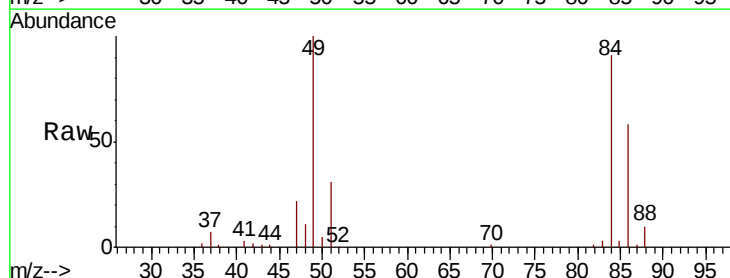
Instrument :
MSVOA_N
ClientSampled :

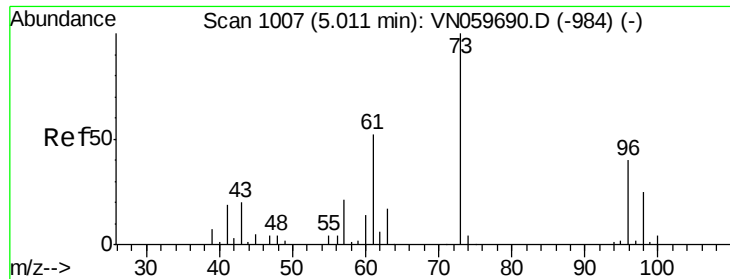
Tot Ion: 73 Resp: 312890
Ion Ratio Lower Upper
73 100
57 20.3 18.6 27.8



#20
Methylene Chloride
Concen: 51.996 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 84 Resp: 103437
Ion Ratio Lower Upper
84 100
49 109.4 106.6 160.0
51 33.7 31.9 47.9
86 64.0 50.8 76.2

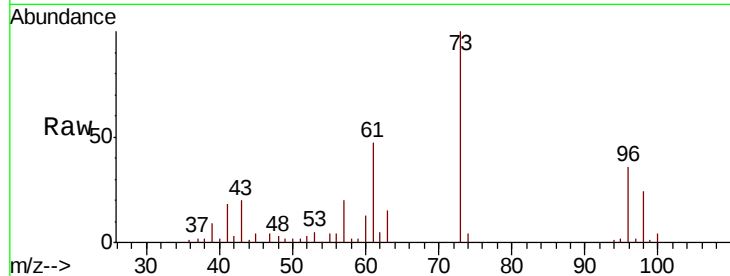




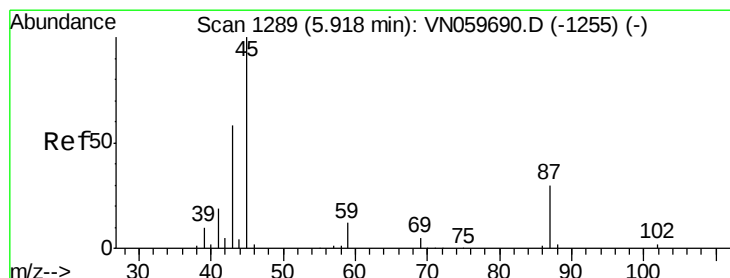
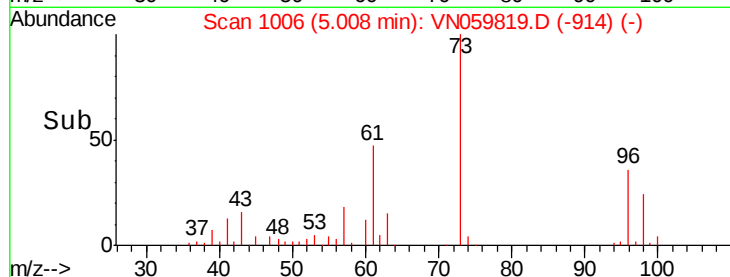
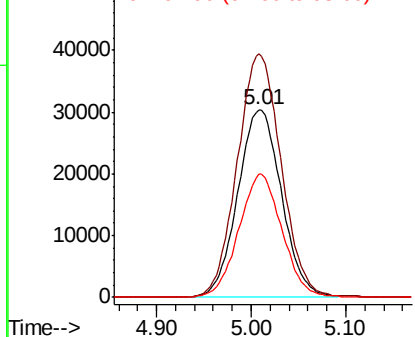
#21
trans-1,2-Dichloroethene
Concen: 50.656 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 97638
Ion Ratio Lower Upper
96 100
61 129.9 120.4 180.6
98 65.7 50.6 75.8

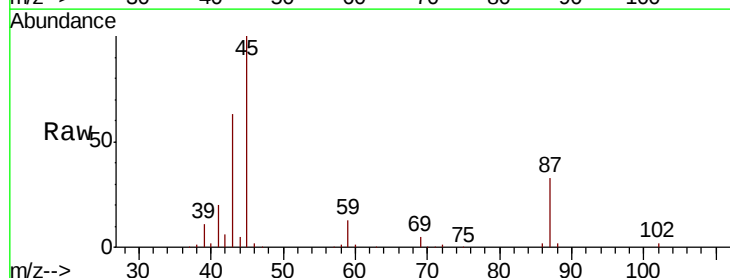


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

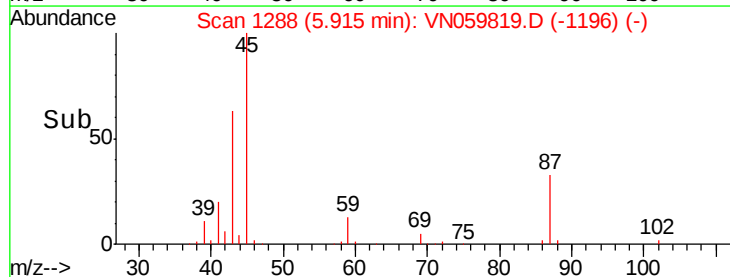
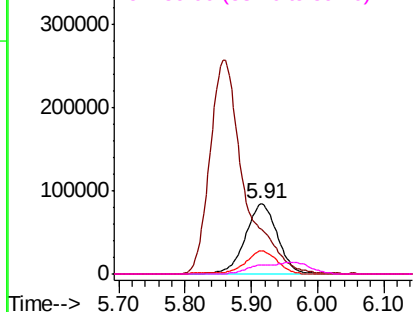


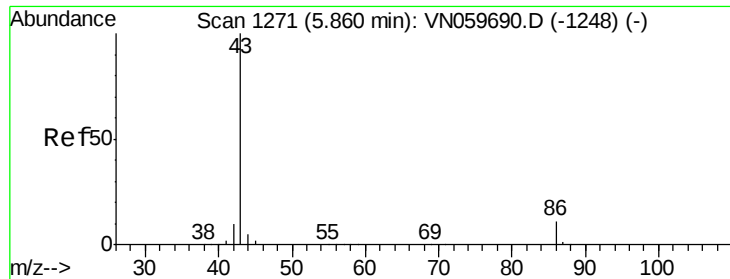
#22
Diisopropyl ether
Concen: 50.983 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 45 Resp: 282380
Ion Ratio Lower Upper
45 100
43 62.2 50.8 76.2
87 32.6 21.0 31.6#
59 12.9 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: 215.170 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

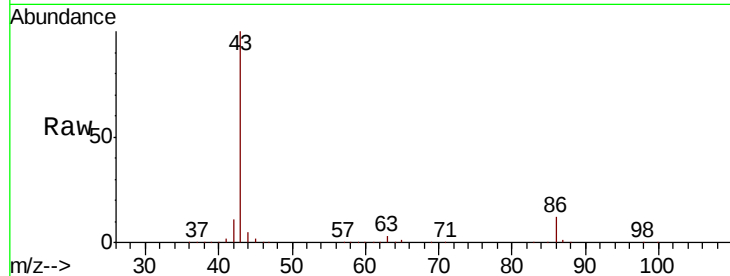
ClientSampled :

Tot Ion: 43 Resp: 922707

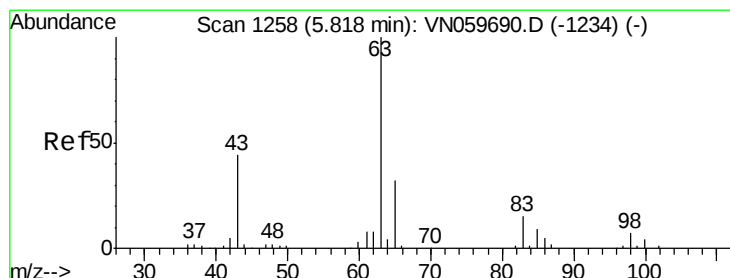
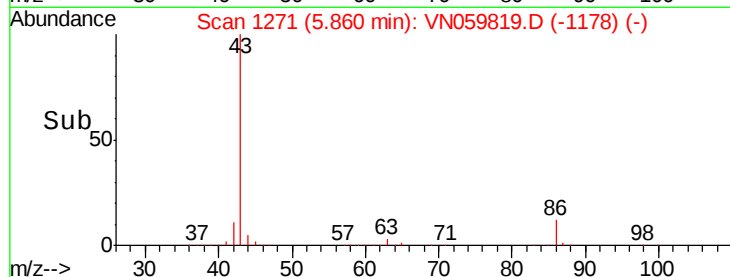
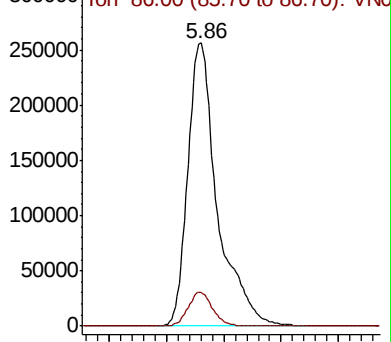
Ion Ratio Lower Upper

43 100

86 12.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059819.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 51.681 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

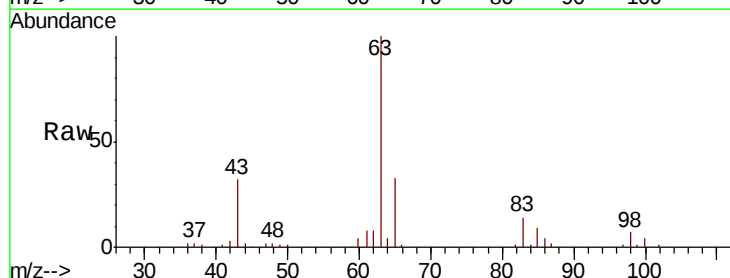
Tgt Ion: 63 Resp: 174903

Ion Ratio Lower Upper

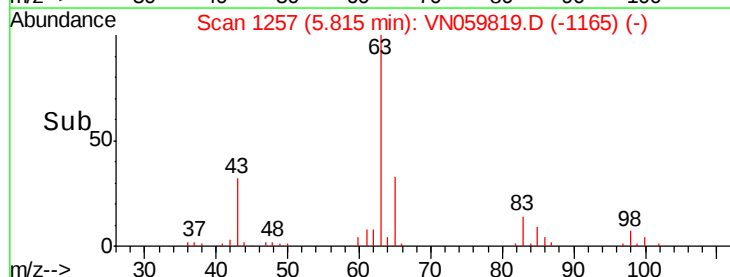
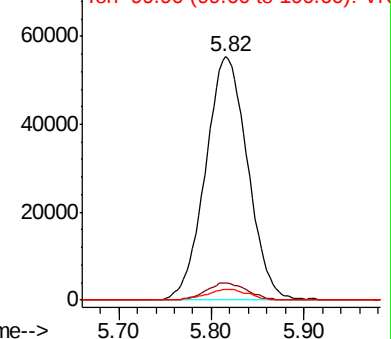
63 100

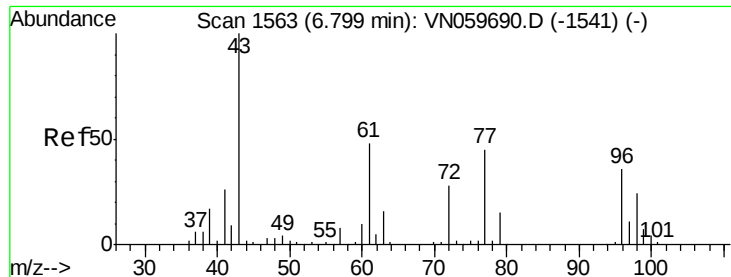
98 7.2 2.9 8.7

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059819.D (-1165) (-)

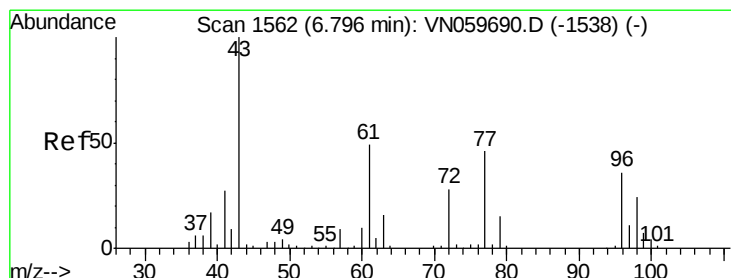
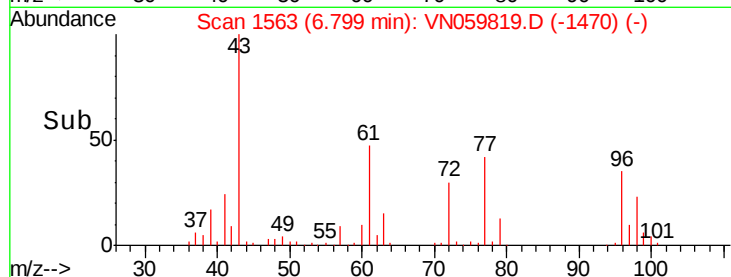
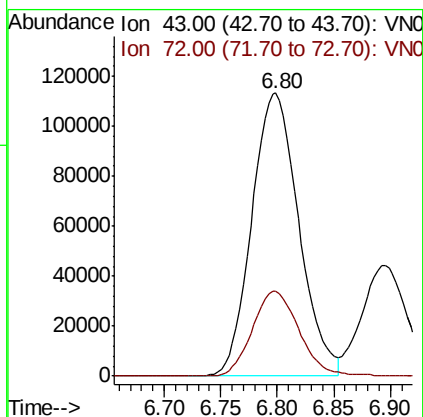
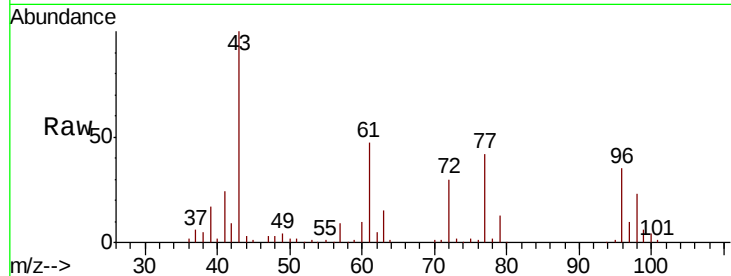




#25
2-Butanone
Concen: 262.313 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

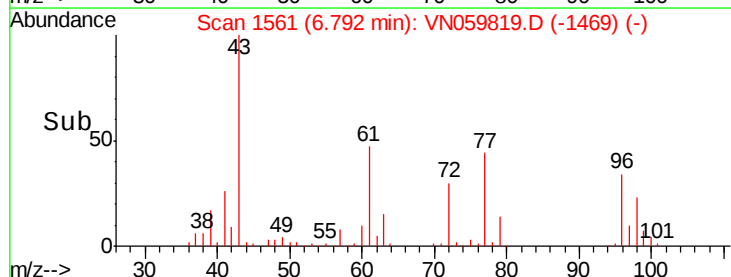
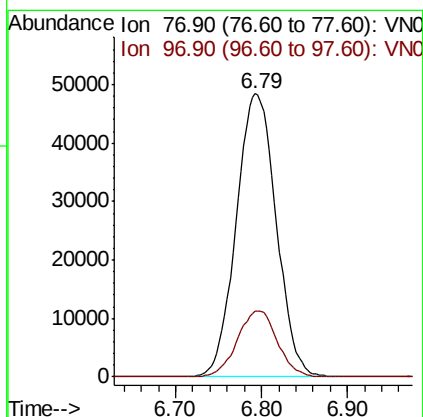
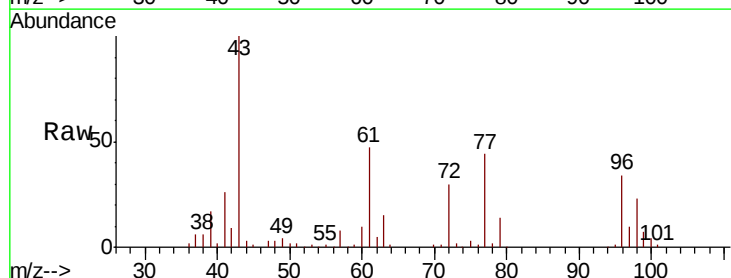
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 326946
Ion Ratio Lower Upper
43 100
72 30.0 19.9 29.9#



#26
2,2-Dichloropropane
Concen: 48.089 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 77 Resp: 156459
Ion Ratio Lower Upper
77 100
97 23.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.359 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

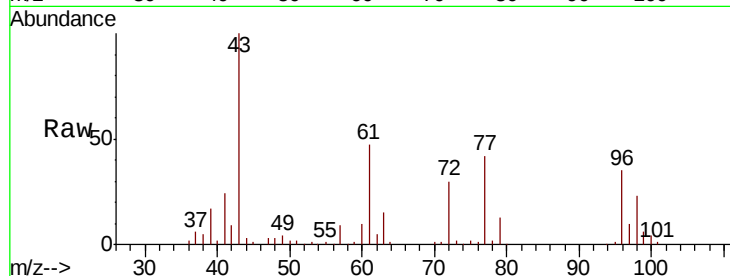
Tot Ion: 96 Resp: 116075

Ion Ratio Lower Upper

96 100

61 135.9 0.0 317.6

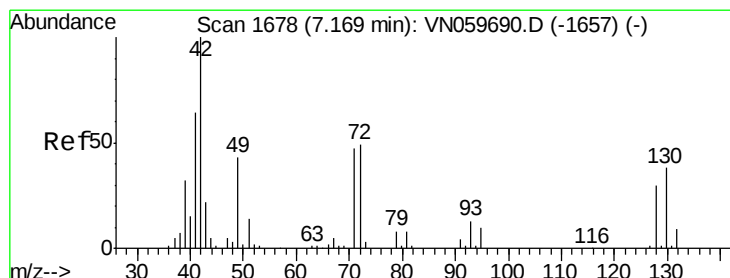
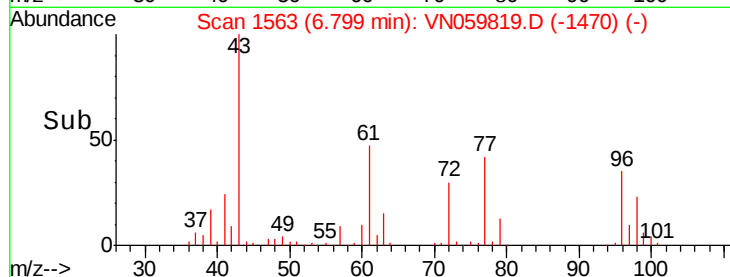
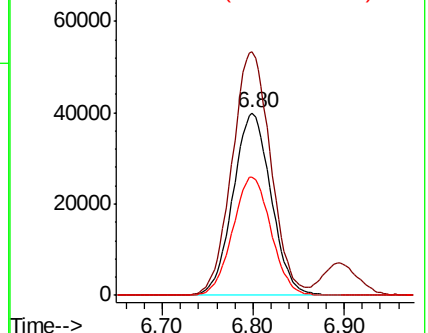
98 65.2 0.0 127.0



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: 49.610 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

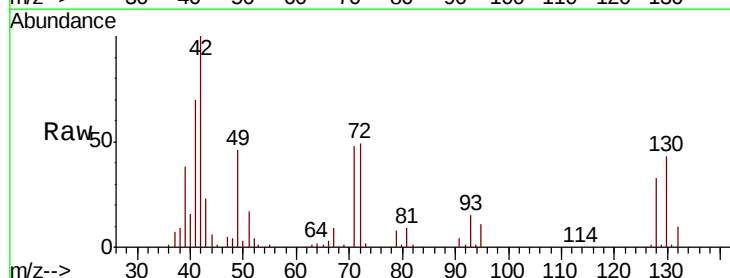
Tgt Ion: 49 Resp: 67104

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.4

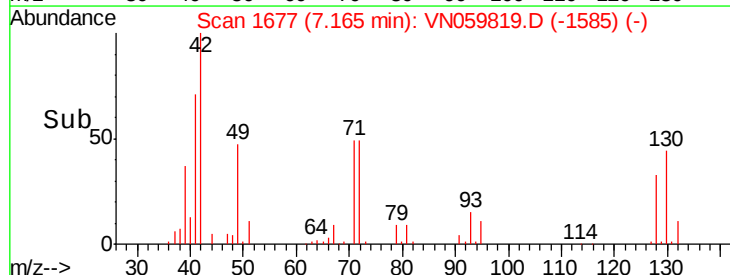
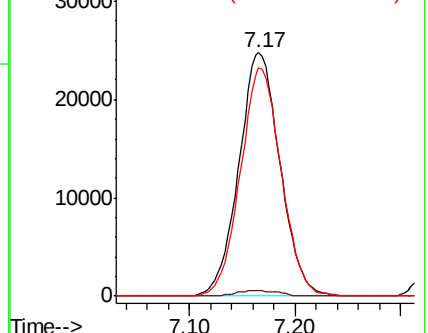
130 92.8 54.7 82.1#



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

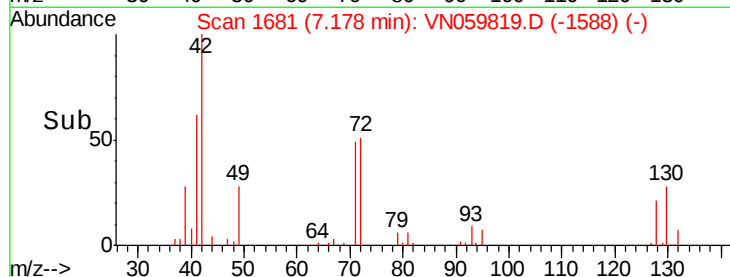
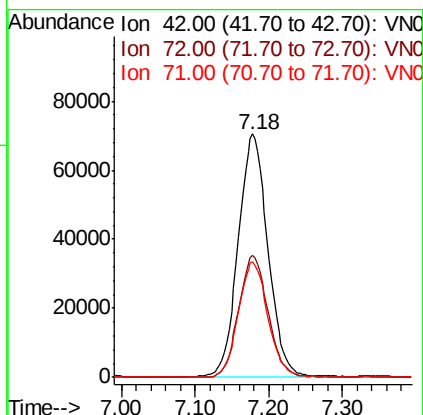
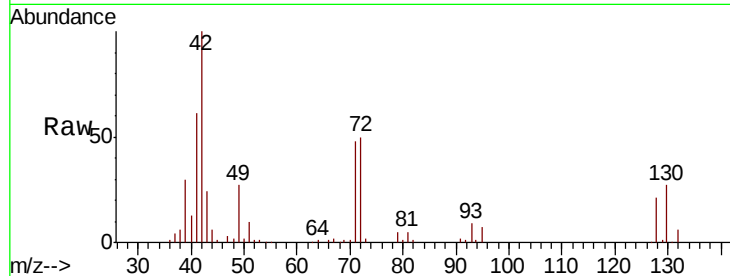




#29
Tetrahydrofuran
Concen: 258.206 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

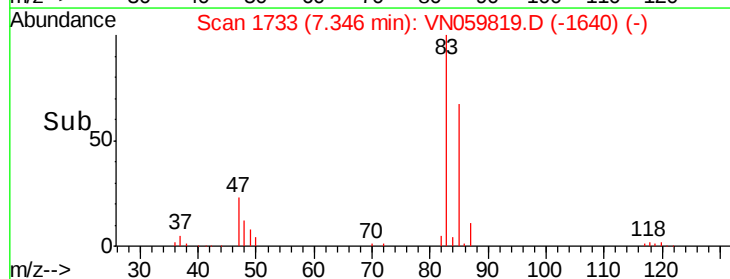
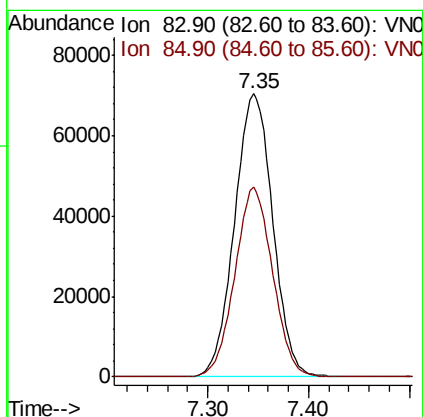
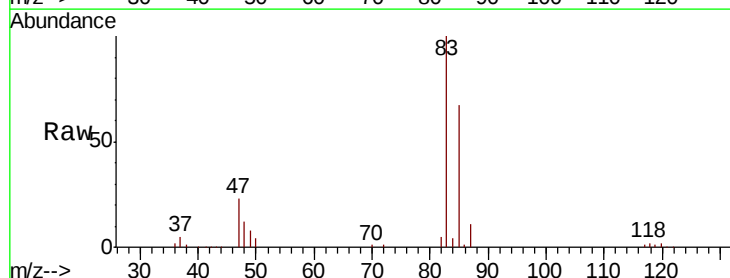
Instrument :
MSVOA_N
ClientSampled :

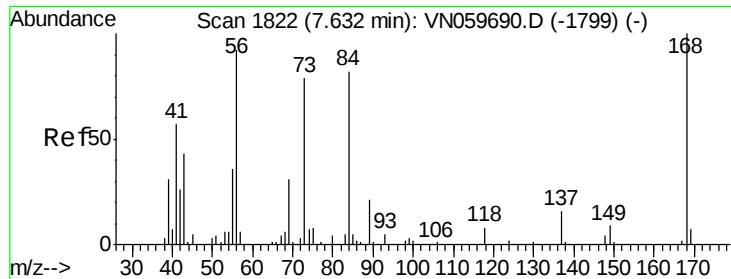
Tot Ion: 42 Resp: 199121
Ion Ratio Lower Upper
42 100
72 49.5 33.1 49.7
71 46.7 31.4 47.0



#30
Chloroform
Concen: 52.790 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 83 Resp: 185108
Ion Ratio Lower Upper
83 100
85 67.0 52.4 78.6

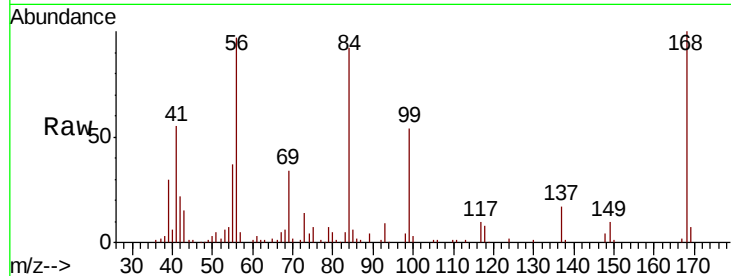




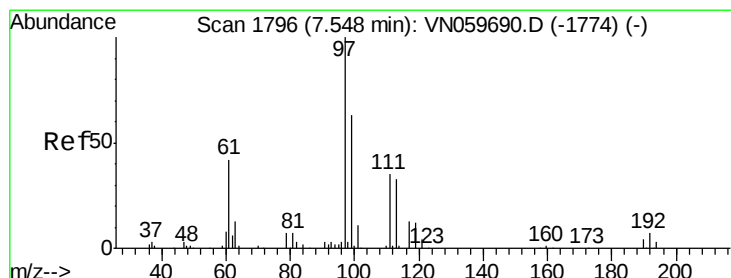
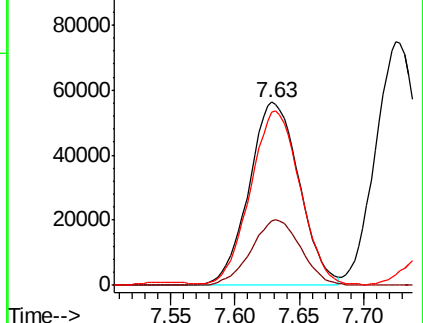
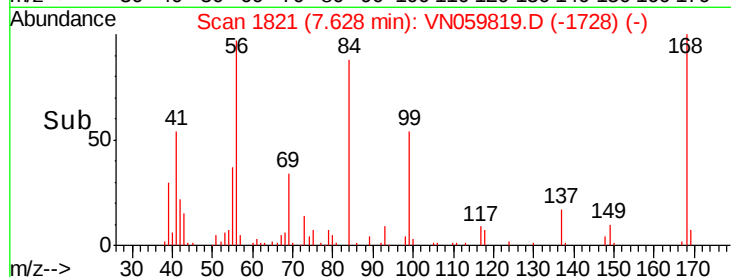
#31
Cyclohexane
Concen: 46.928 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 152820
Ion Ratio Lower Upper
56 100
69 35.2 26.5 39.7
84 93.2 65.3 97.9

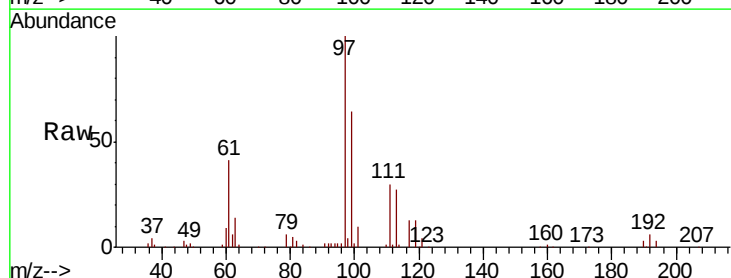


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

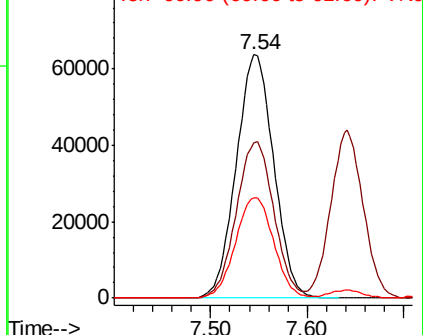
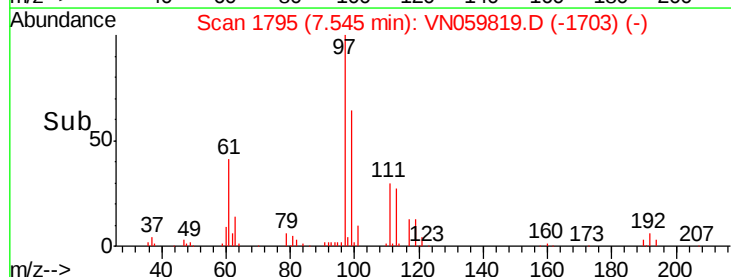


#32
1,1,1-Trichloroethane
Concen: 52.939 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 97 Resp: 171637
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 42.1 38.5 57.7



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

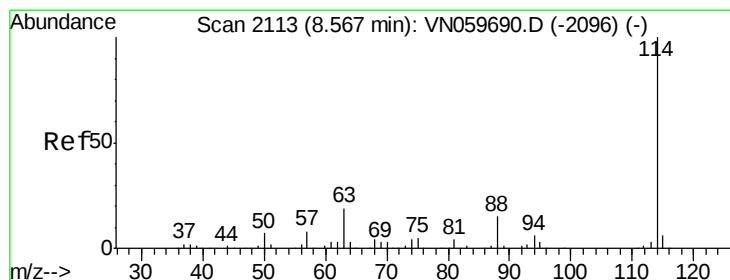
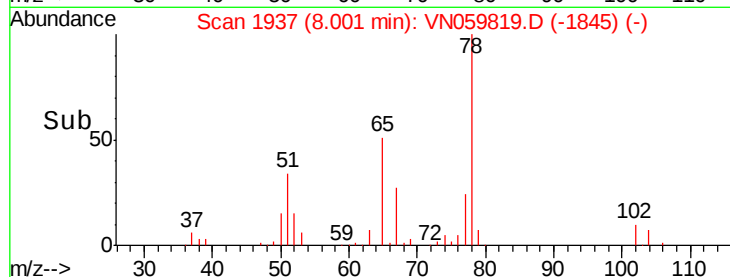
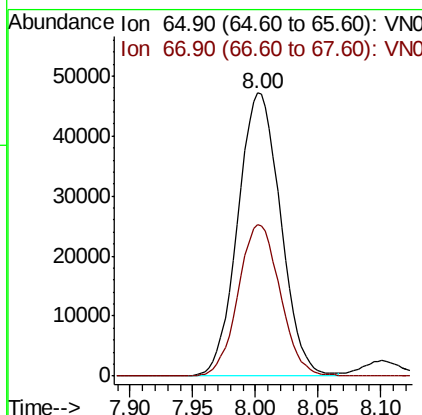
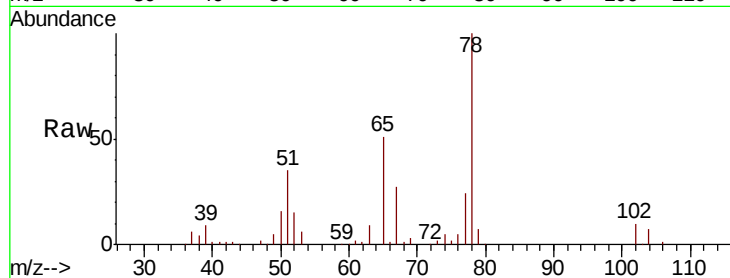




#33
 1,2-Dichloroethane-d4
 Concen: 50.931 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

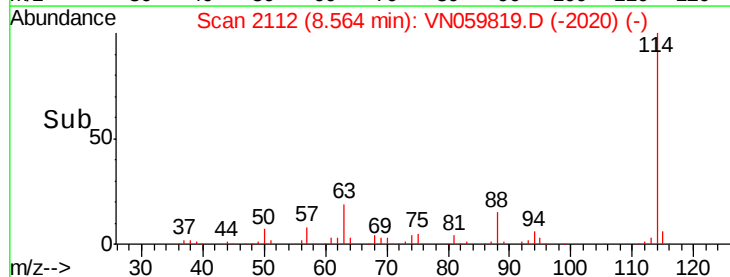
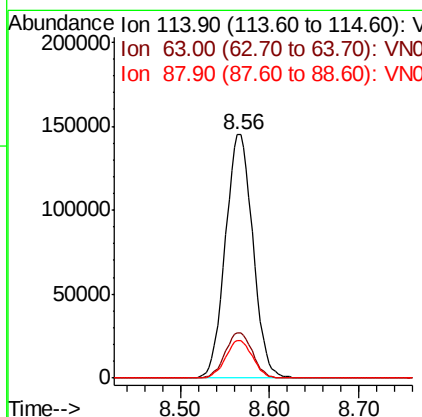
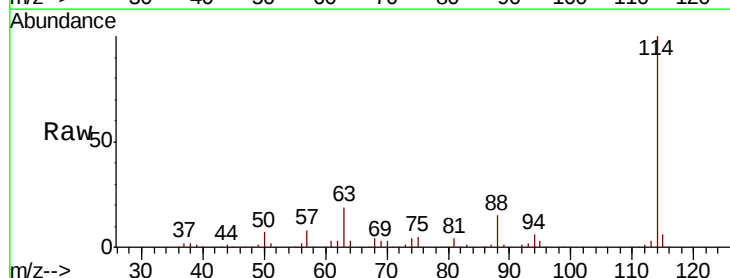
Instrument :
 MSVOA_N
 ClientSampled :

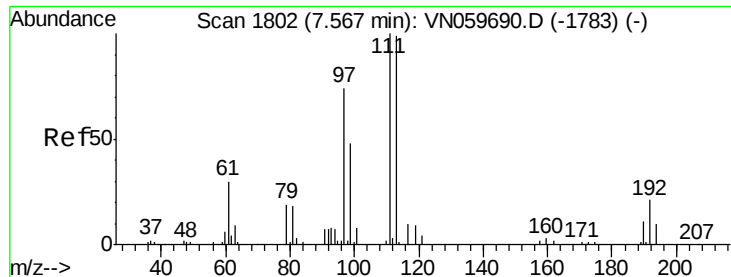
Tot Ion: 65 Resp: 112098
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion: 114 Resp: 309334
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 43.6
 88 15.4 0.0 31.4

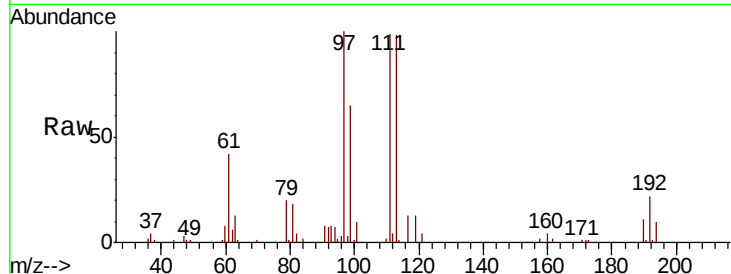




#35
 Dibromofluoromethane
 Concen: 50.864 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.5	125.3
192	21.4	15.4	23.2

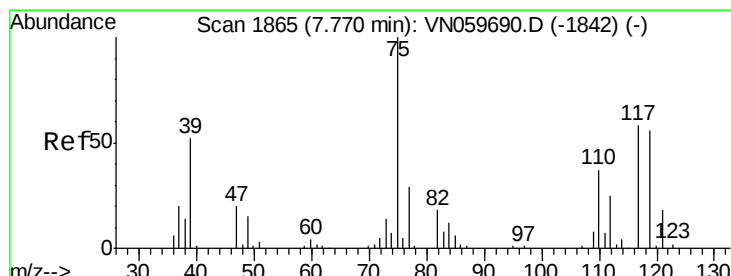
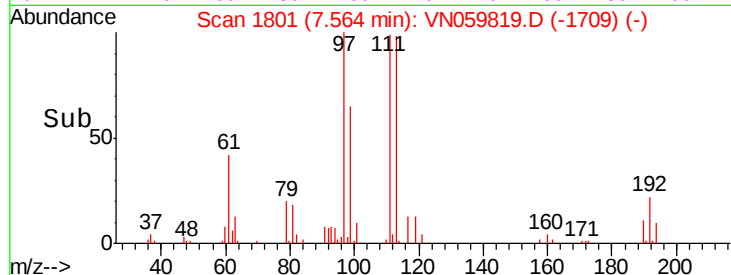
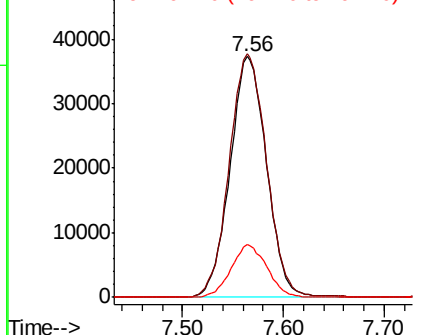


Abundance

Ion 112.80 (112.50 to 113.50): V

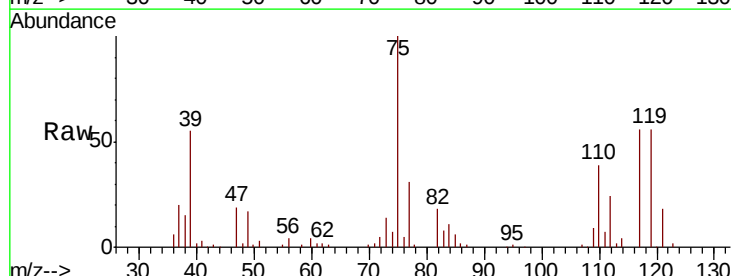
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.787 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	16.6	49.7
77	31.5	25.1	37.7

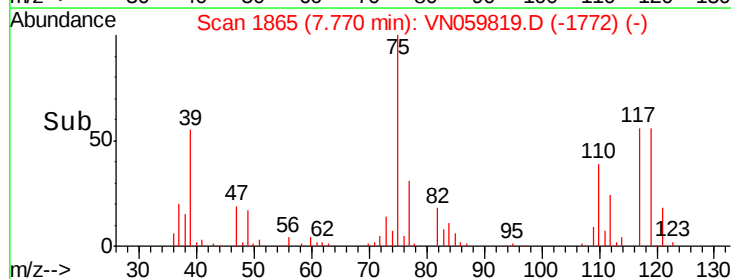
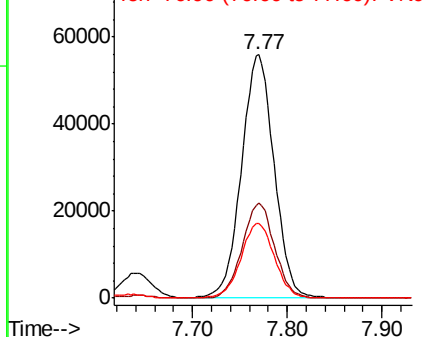


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

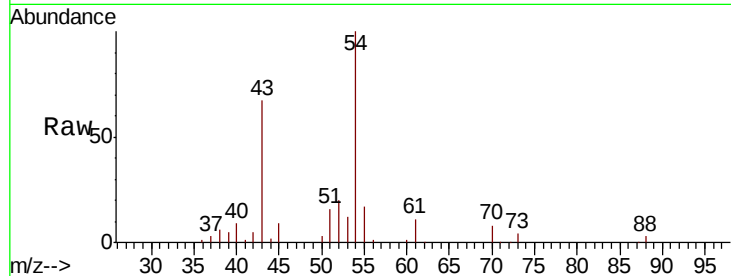




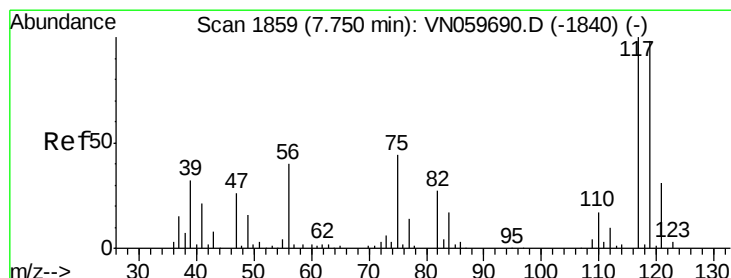
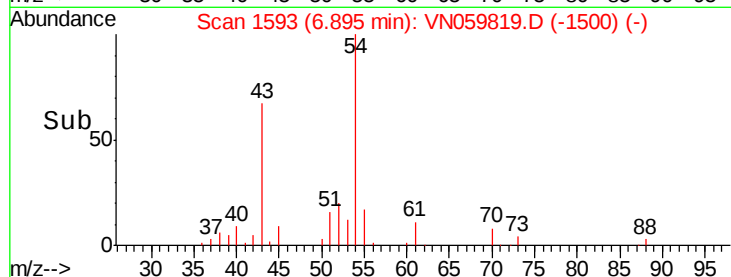
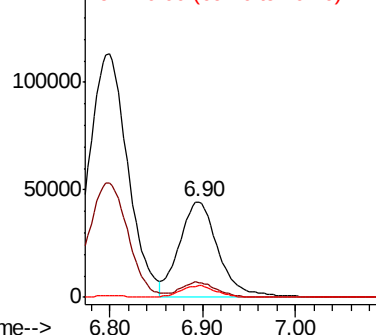
#37
Ethyl Acetate
Concen: 50.505 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 127603
Ion Ratio Lower Upper
43 100
61 14.5 10.9 16.3
70 11.4 7.7 11.5

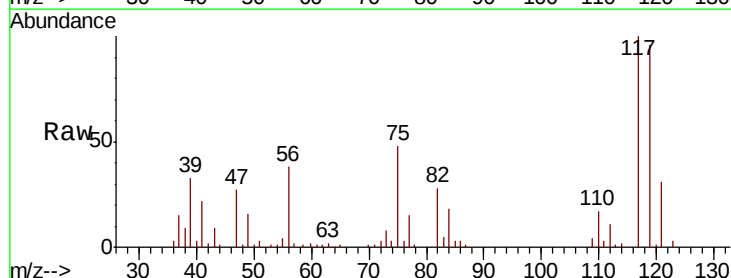


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

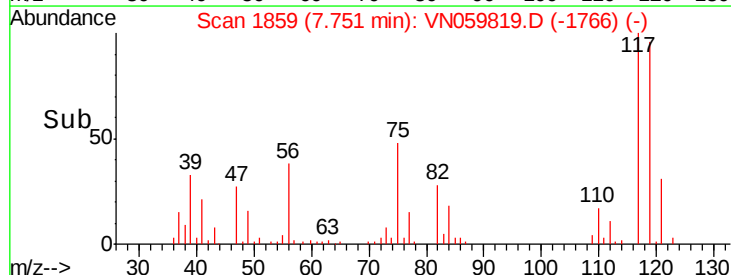
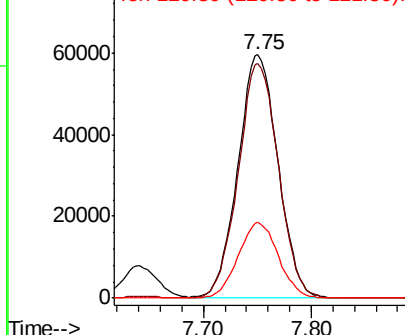


#38
Carbon Tetrachloride
Concen: 52.489 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 117 Resp: 153808
Ion Ratio Lower Upper
117 100
119 96.5 76.5 114.7
121 31.3 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

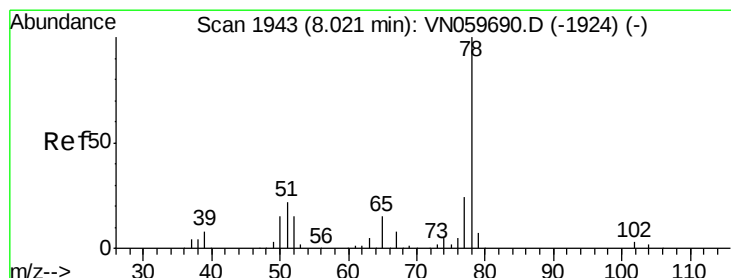
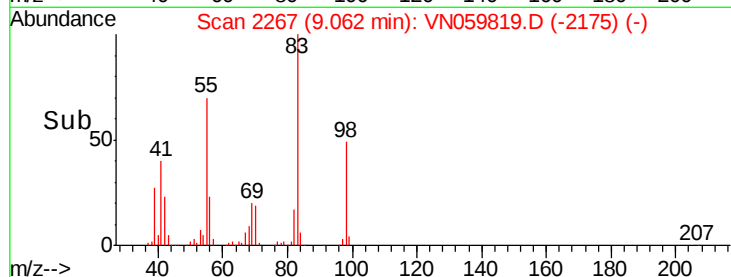
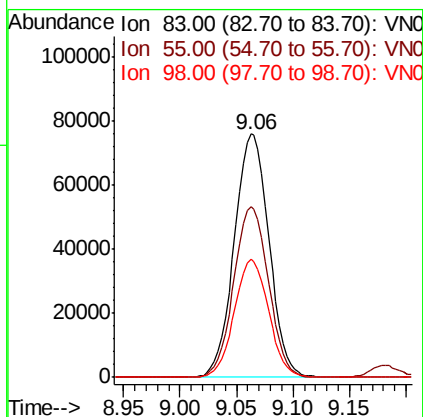
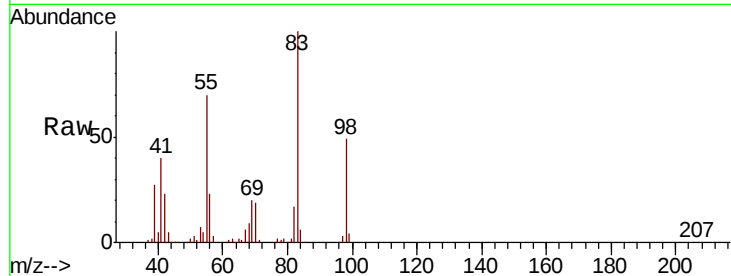




#39
Methvlcvclohexane
Concen: 48.813 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

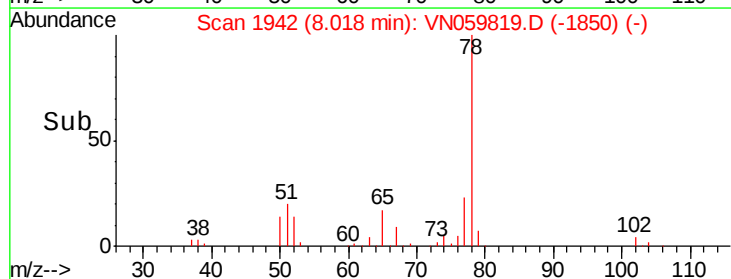
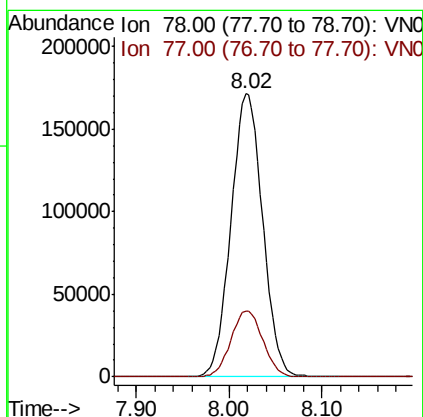
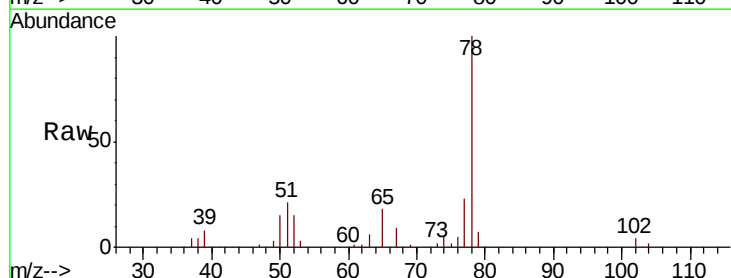
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 162134
Ion Ratio Lower Upper
83 100
55 70.3 64.2 96.2
98 48.6 35.9 53.9



#40
Benzene
Concen: 50.534 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 78 Resp: 405982
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3

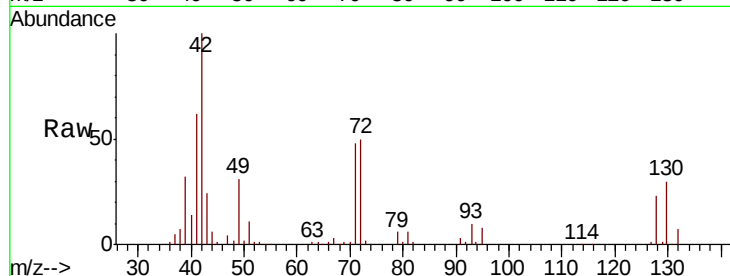




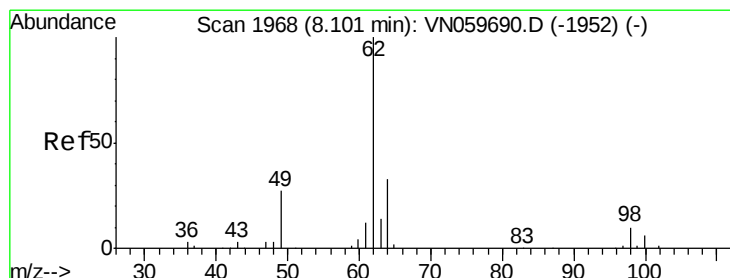
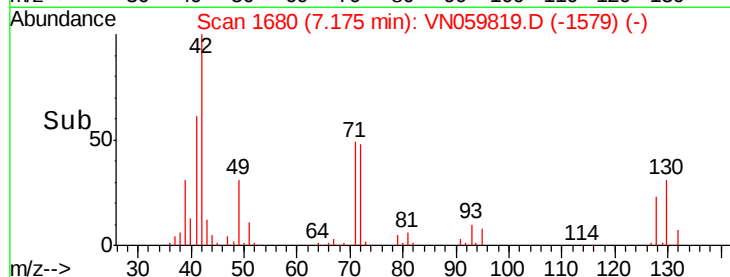
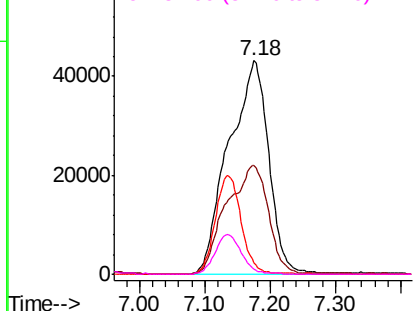
#41
Methacrylonitrile
Concen: 147.343 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 183364
Ion Ratio Lower Upper
41 100
39 53.3 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

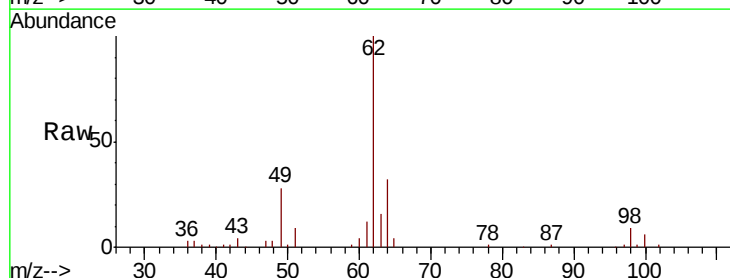


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

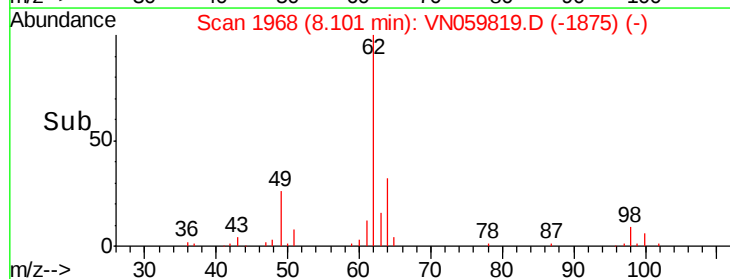
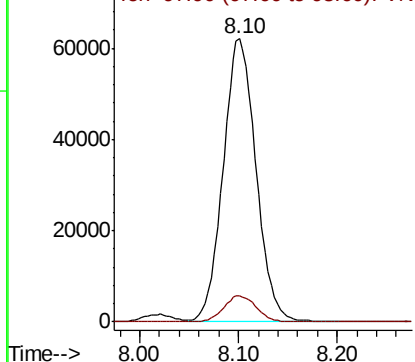


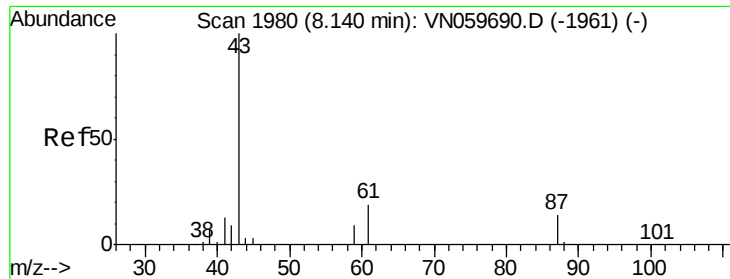
#42
1,2-Dichloroethane
Concen: 53.072 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 62 Resp: 144564
Ion Ratio Lower Upper
62 100
98 9.1 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 50.584 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampled :

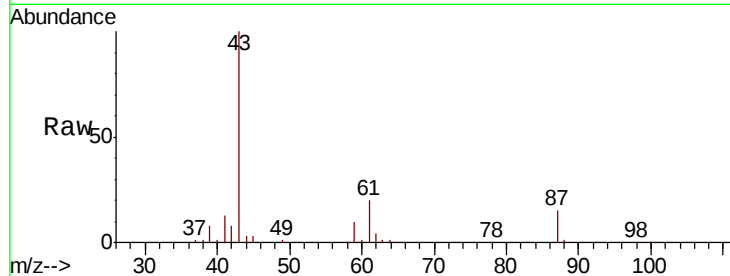
Tot Ion: 43 Resp: 219825

Ion Ratio Lower Upper

43 100

61 27.6 20.2 30.2

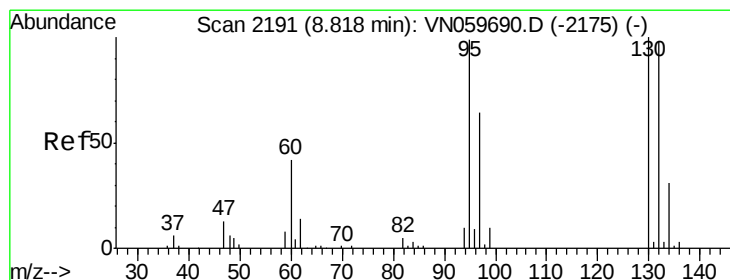
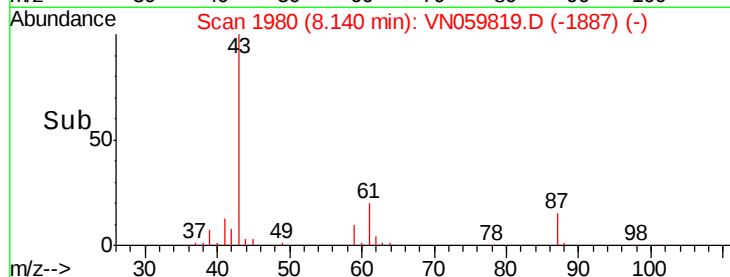
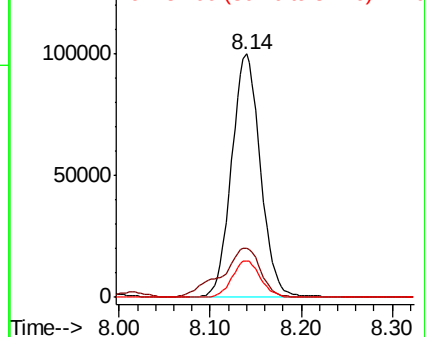
87 14.7 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059819.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059819.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059819.D (-1961) (-)



#44

Trichloroethene

Concen: 54.667 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059819.D

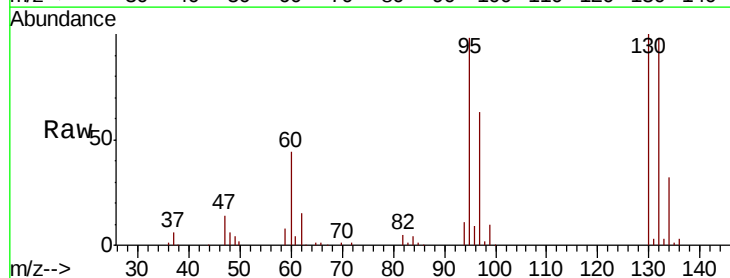
Acq: 21 Jan 2020 19:31

Tgt Ion:130 Resp: 119894

Ion Ratio Lower Upper

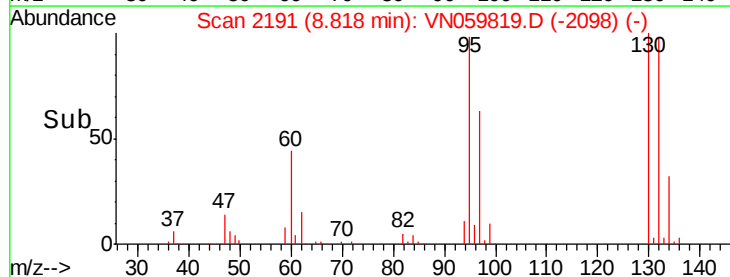
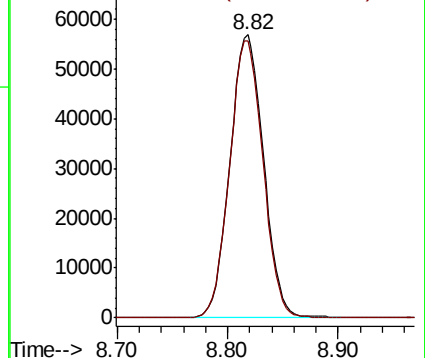
130 100

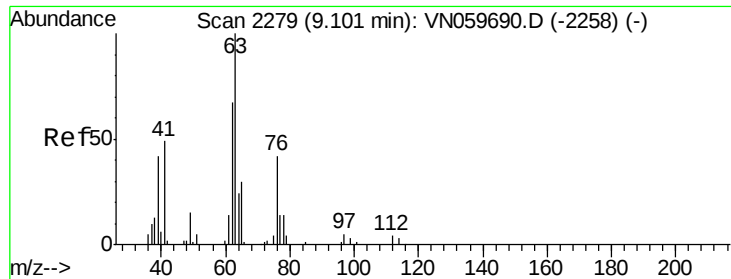
95 97.9 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059819.D (-2191) (-)

Ion 94.90 (94.60 to 95.60): VN059819.D (-2191) (-)





#45

1,2-Dichloropropane

Concen: 52.317 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

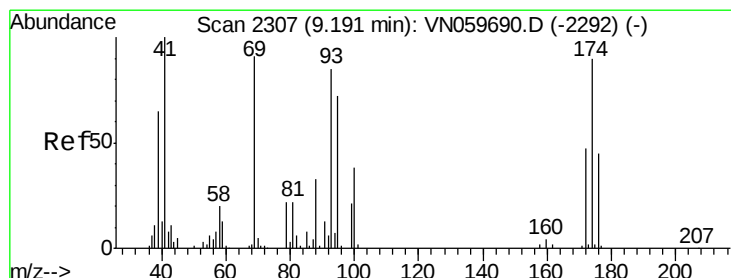
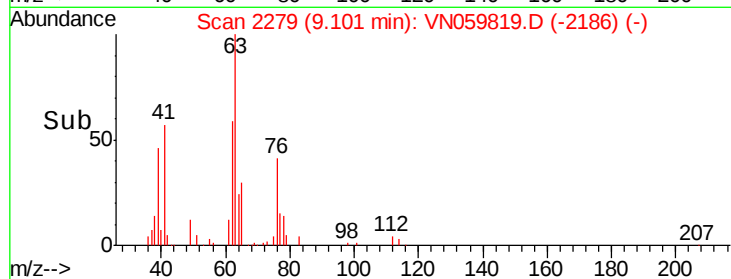
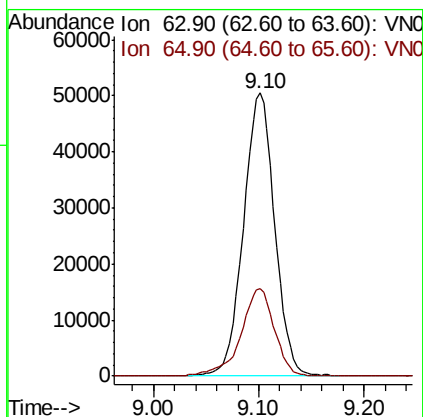
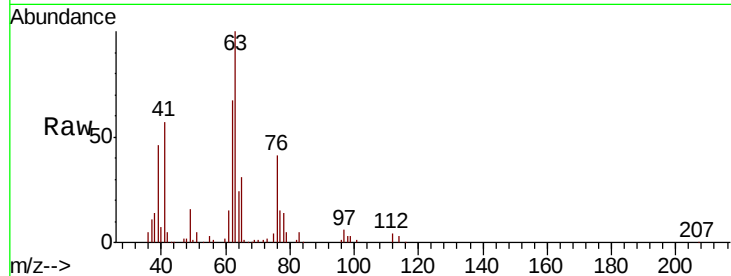
ClientSampled :

Tot Ion: 63 Resp: 104005

Ion Ratio Lower Upper

63 100

65 30.9 24.9 37.3



#46

Dibromomethane

Concen: 52.709 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

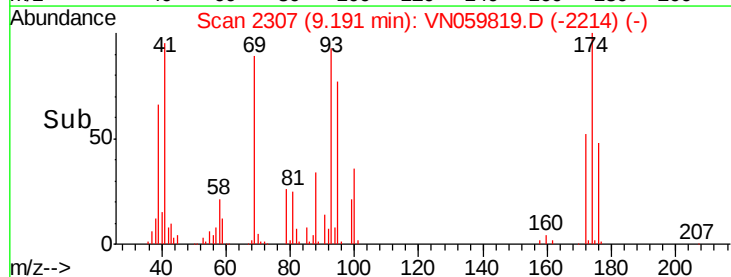
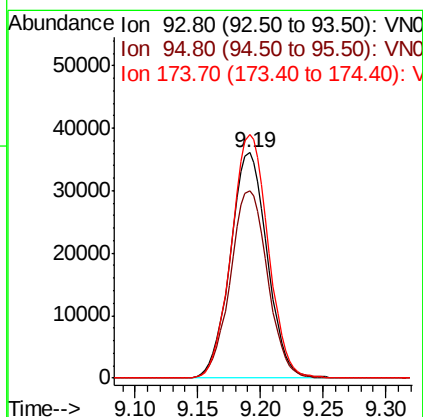
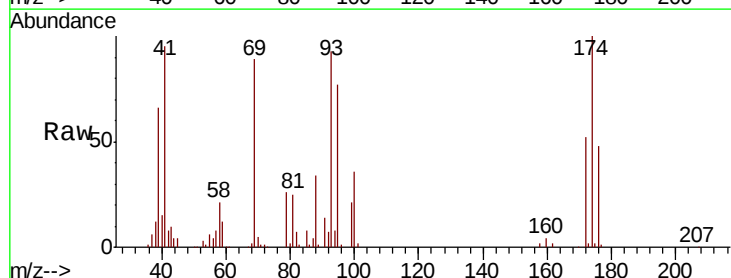
Tgt Ion: 93 Resp: 73916

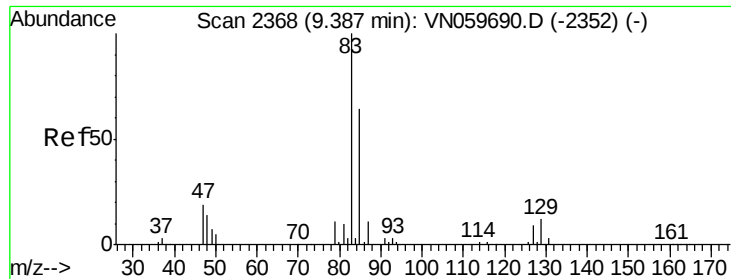
Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.6

174 107.7 73.4 110.2

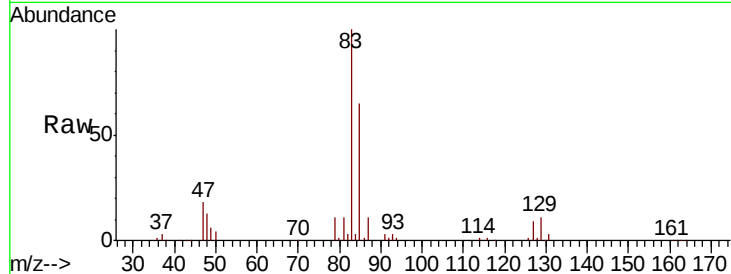




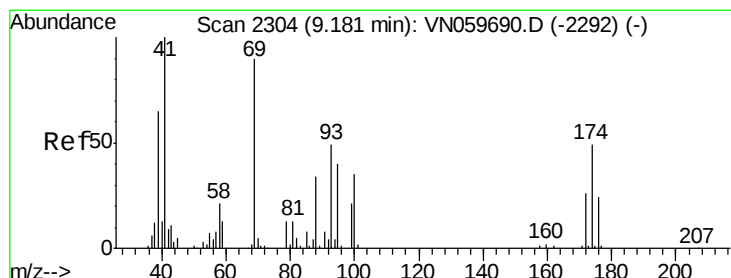
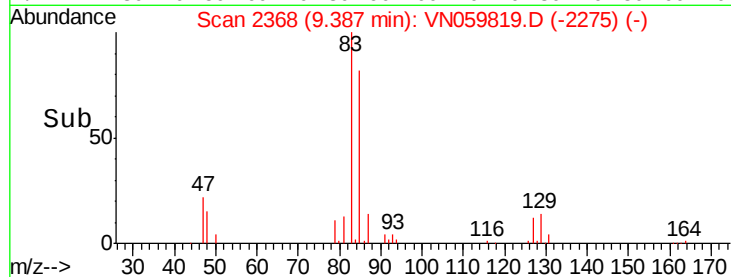
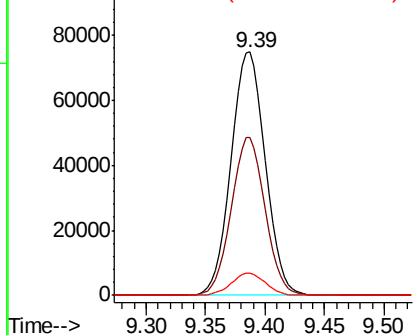
#47
Bromodichloromethane
Concen: 52.767 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 149116
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7
127 9.2 6.6 9.8

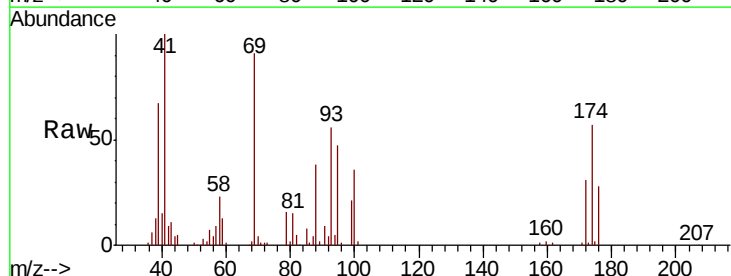


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

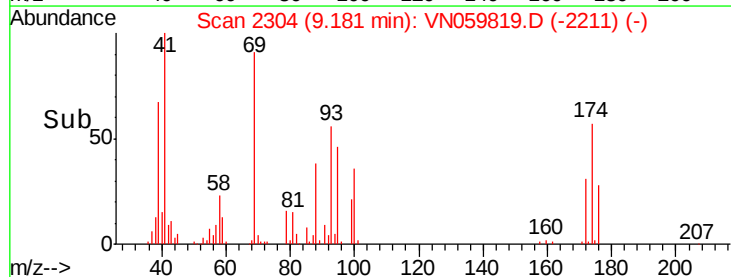
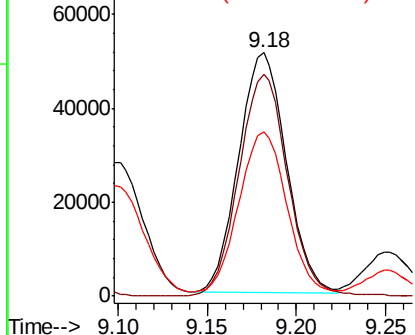


#48
Methyl methacrylate
Concen: 49.047 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 41 Resp: 95339
Ion Ratio Lower Upper
41 100
69 95.2 64.4 96.6
39 67.3 51.3 76.9



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

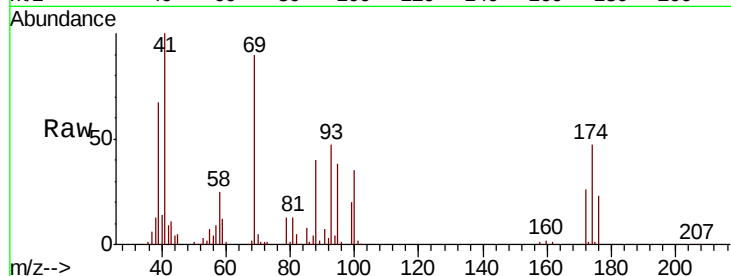




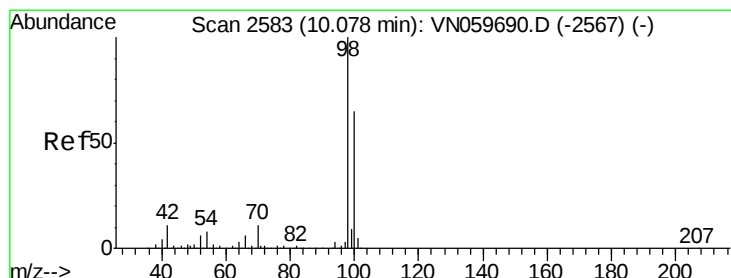
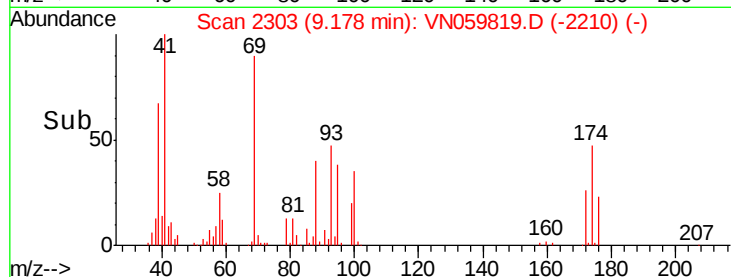
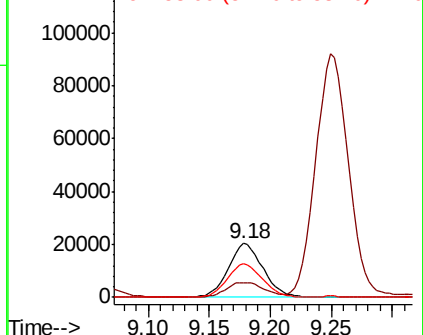
#49
1,4-Dioxane
Concen: 1135.456 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 40405
Ion Ratio Lower Upper
88 100
43 30.5 29.7 44.5
58 62.6 56.6 85.0

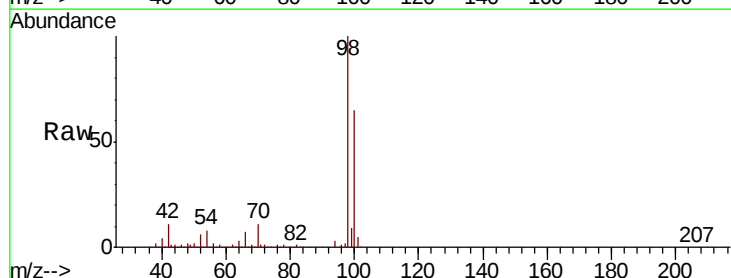


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

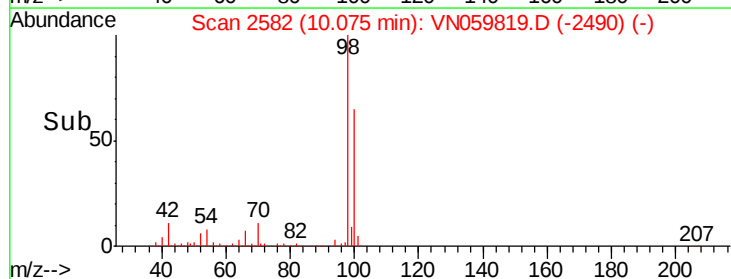
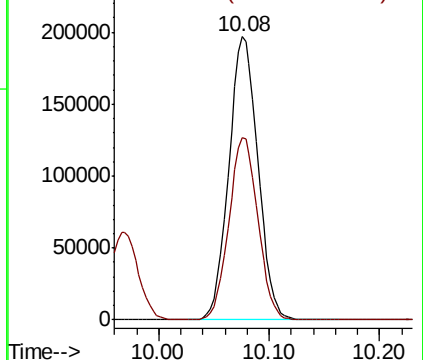


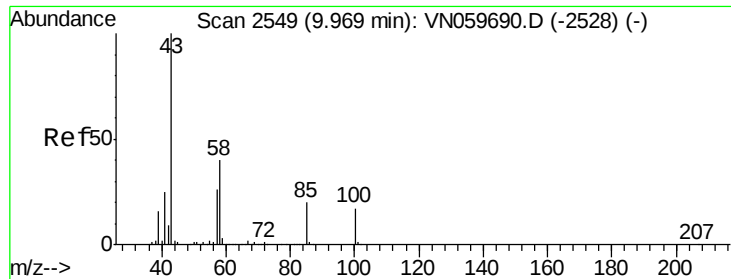
#50
Toluene-d8
Concen: 50.351 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 98 Resp: 359871
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



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

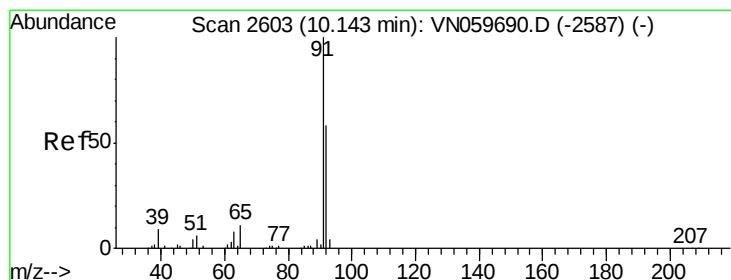
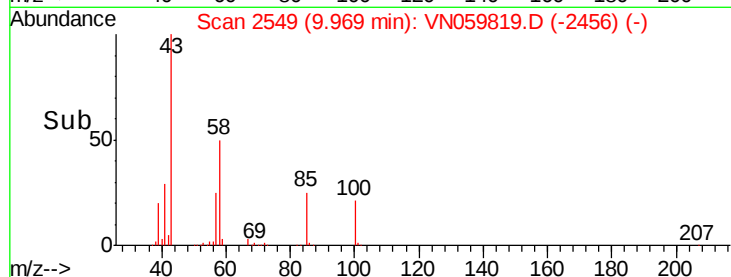
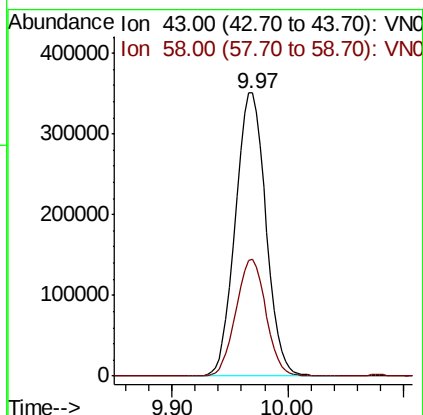
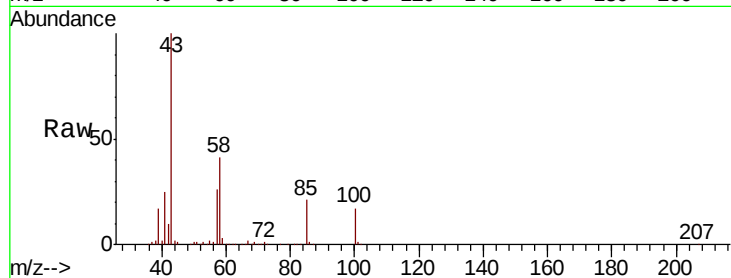




#51
4-Methyl-2-Pentanone
Concen: 254.973 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

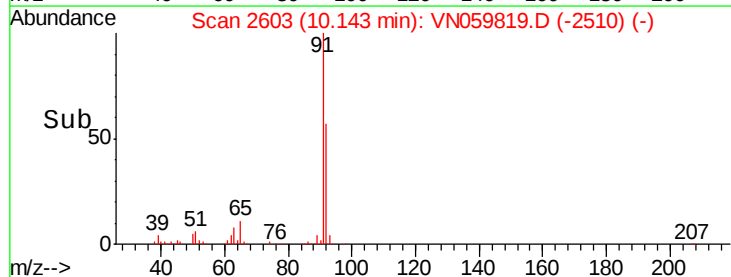
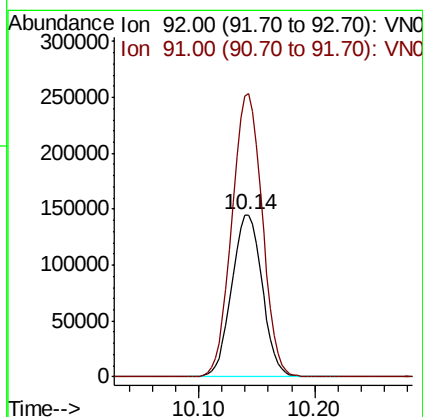
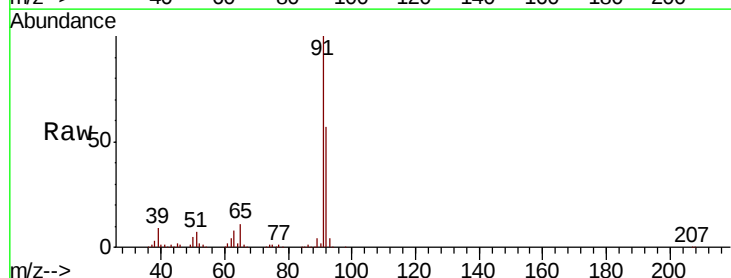
Instrument :
MSVOA_N
ClientSampled :

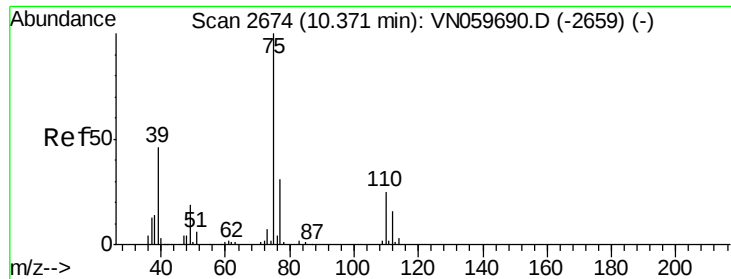
Tot Ion: 43 Resp: 640530
Ion Ratio Lower Upper
43 100
58 40.6 29.8 44.8



#52
Toluene
Concen: 51.935 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 92 Resp: 263549
Ion Ratio Lower Upper
92 100
91 174.1 140.4 210.6

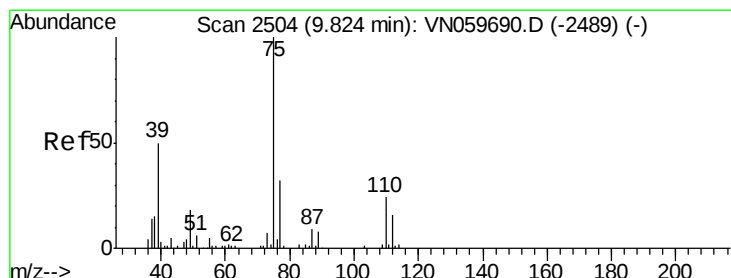
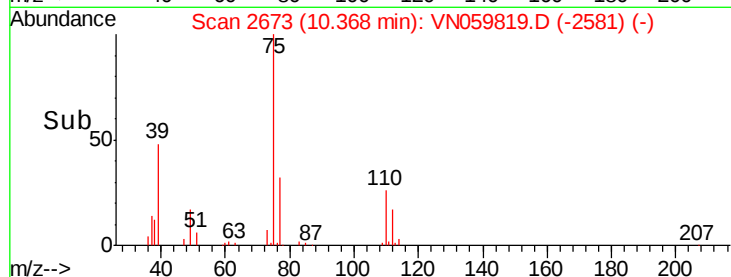
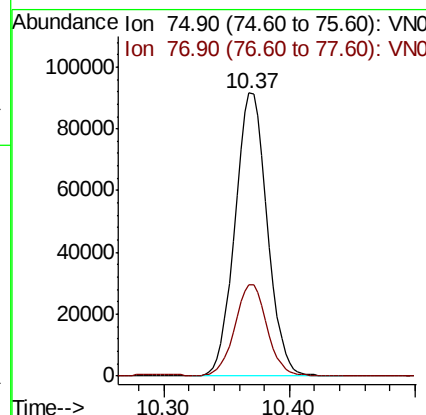
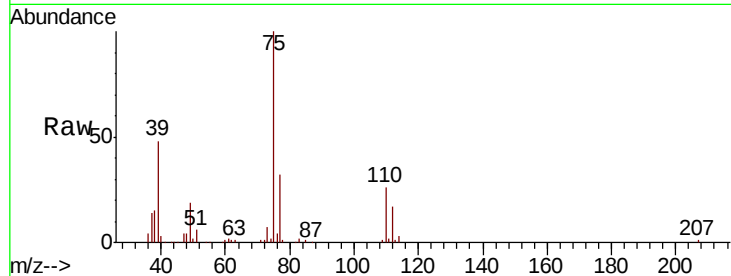




#53
t-1,3-Dichloropropene
Concen: 51.750 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

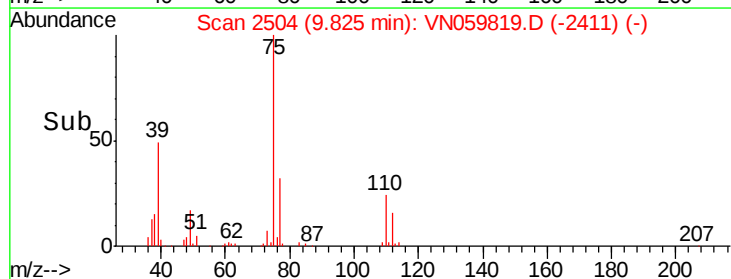
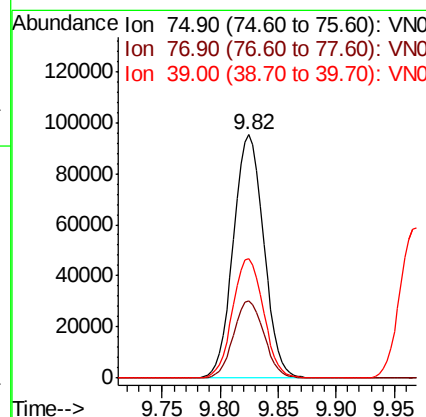
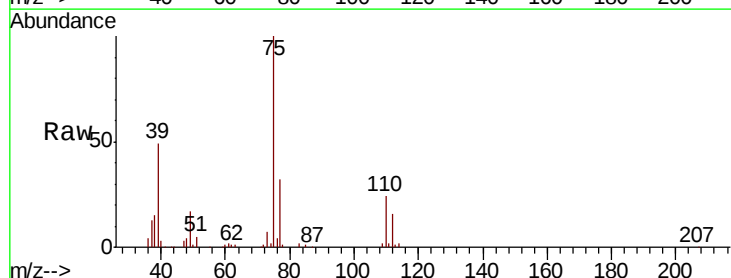
Instrument :
MSVOA_N
ClientSampled :

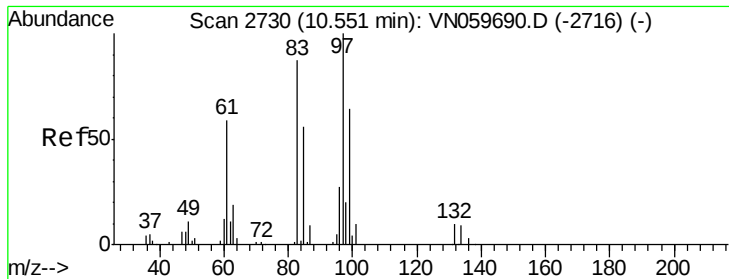
Tot Ion: 75 Resp: 163291
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 52.335 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 75 Resp: 173756
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 49.2 46.1 69.1

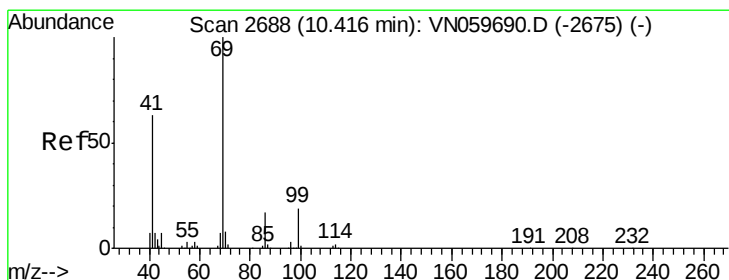
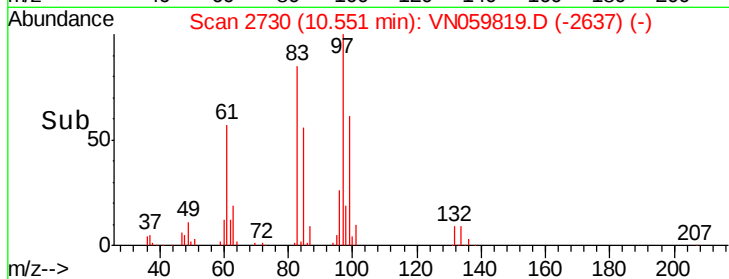
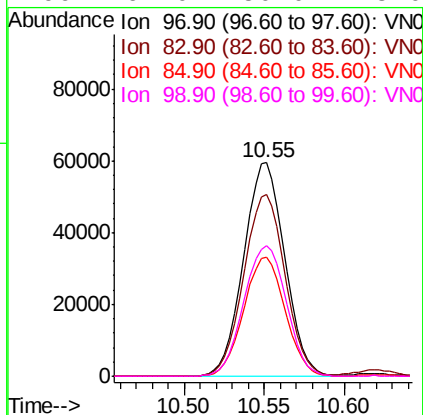
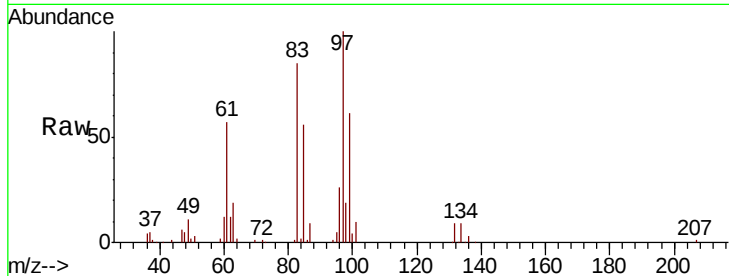




#55
 1,1,2-Trichloroethane
 Concen: 52.084 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

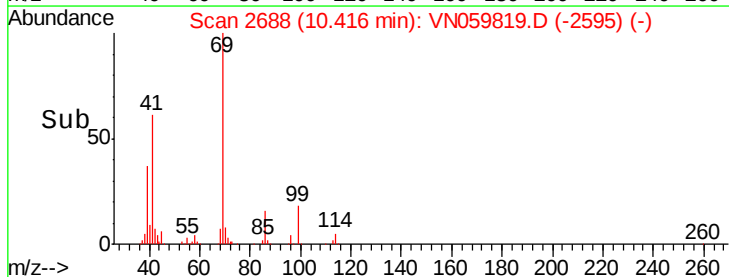
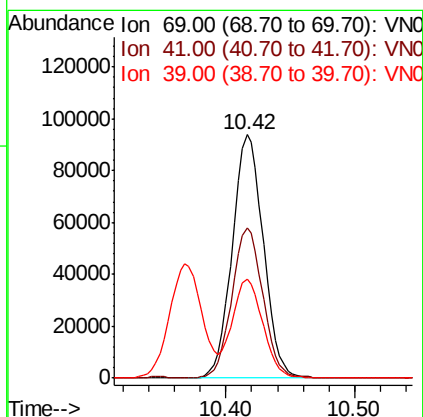
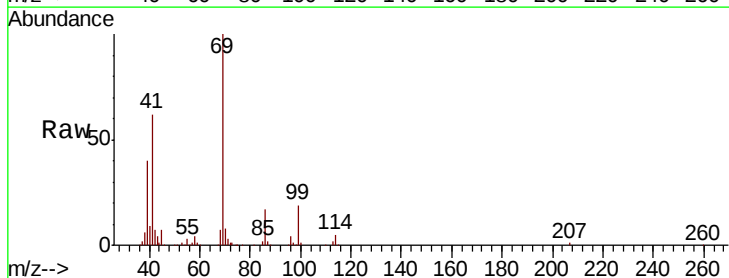
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	104679
Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.3	106.9
85	55.6	45.8	68.8
99	61.0	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 51.239 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion:	69	Resp:	157355
Ion	Ratio	Lower	Upper
69	100		
41	61.0	57.1	85.7
39	40.2	34.7	52.1





#57

1,3-Dichloropropane

Concen: 53.066 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

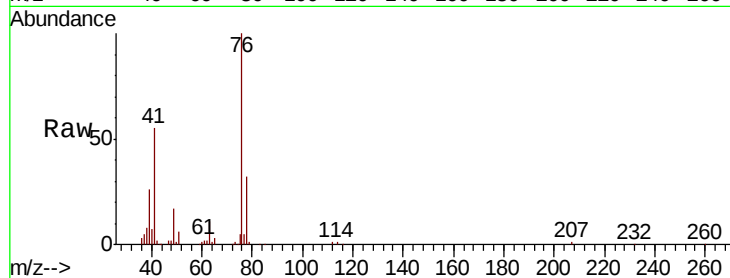
ClientSampleId :

Tot Ion: 76 Resp: 169325

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN059819.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN059819.D (-2682) (-)

10.70

80000

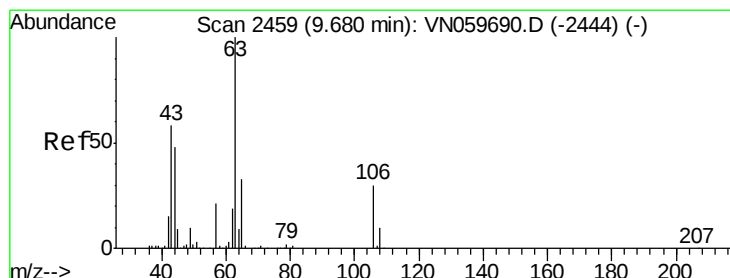
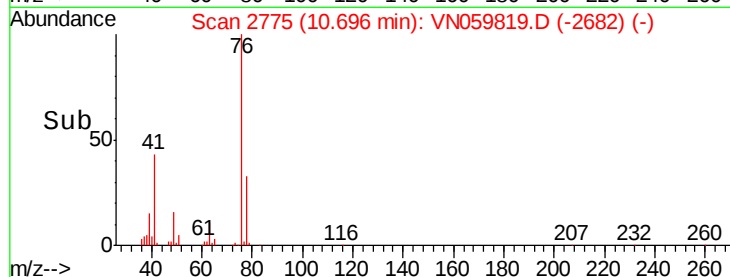
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 278.603 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059819.D

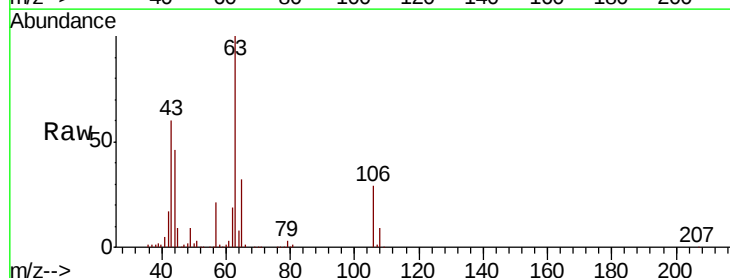
Acq: 21 Jan 2020 19:31

Tgt Ion: 63 Resp: 257707

Ion Ratio Lower Upper

63 100

106 29.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059819.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN059819.D (-2366) (-)

9.68

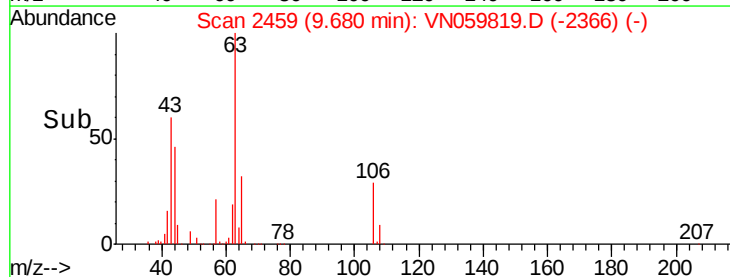
150000

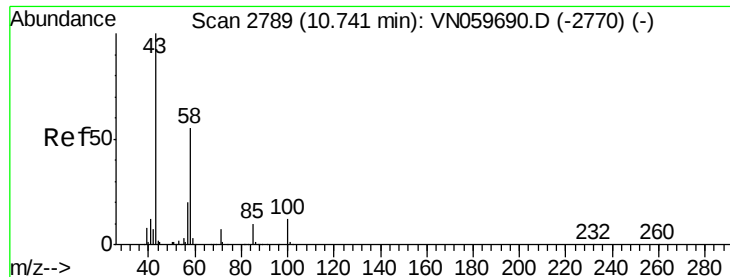
100000

50000

0

Time--> 9.60 9.70 9.80

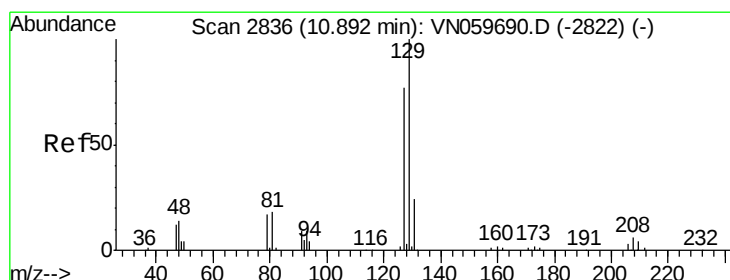
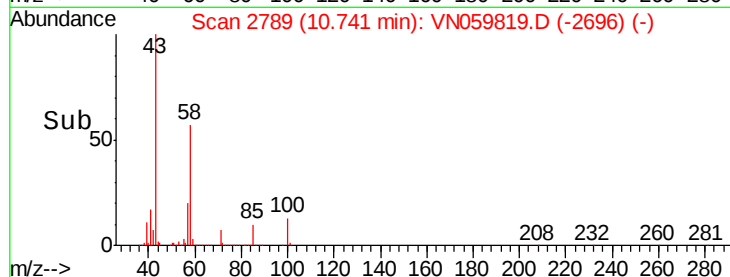
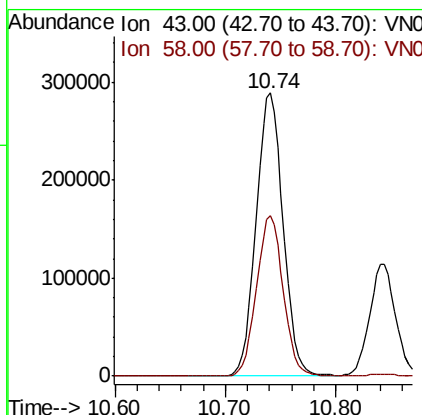
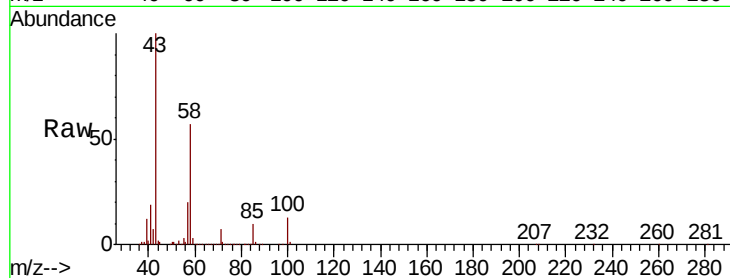




#59
2-Hexanone
Concen: 265.363 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

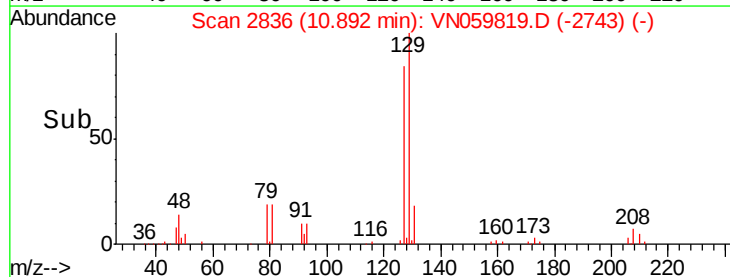
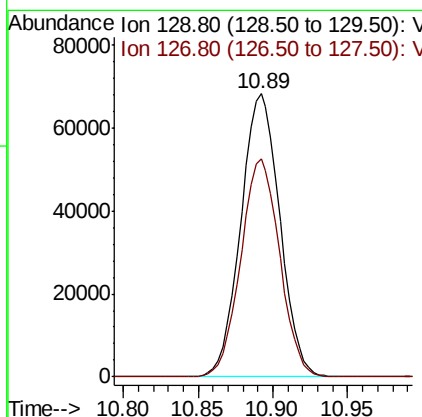
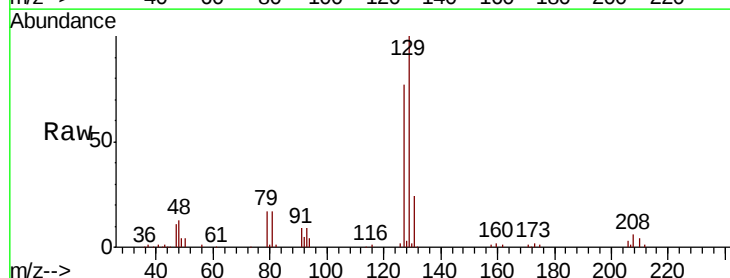
Instrument :
MSVOA_N
ClientSampleId :

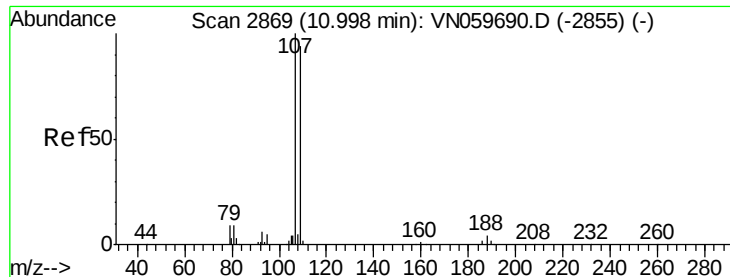
Tot Ion: 43 Resp: 491111
Ion Ratio Lower Upper
43 100
58 56.0 25.8 77.3



#60
Dibromochloromethane
Concen: 54.119 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 129 Resp: 123862
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5

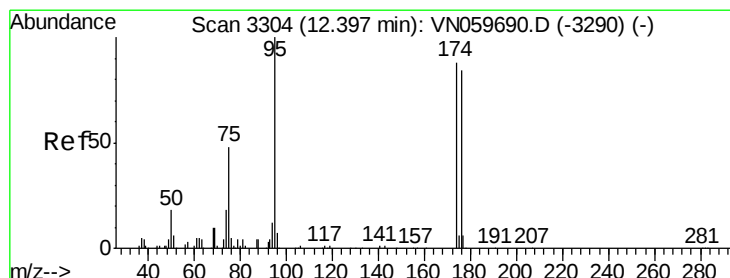
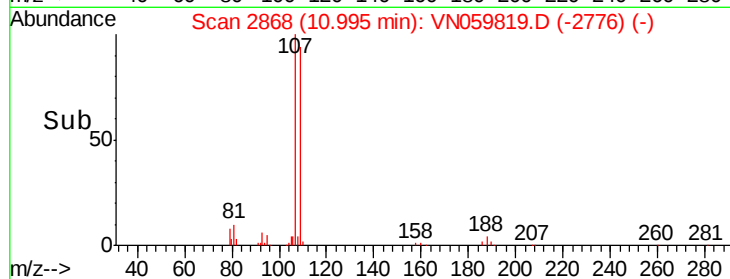
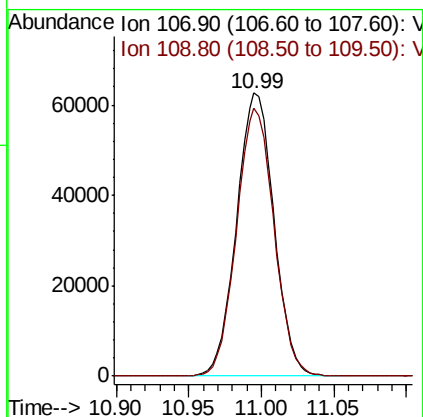
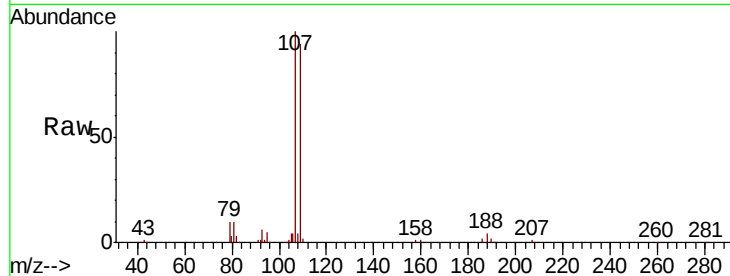




#61
 1,2-Dibromoethane
 Concen: 53.399 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

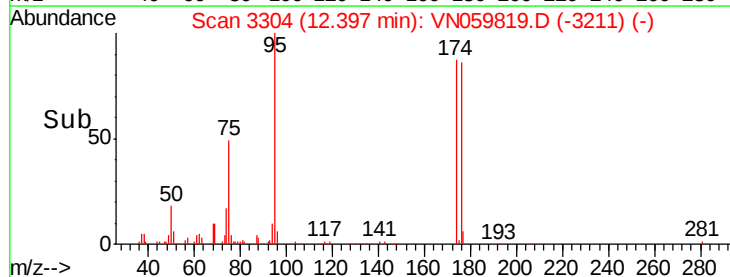
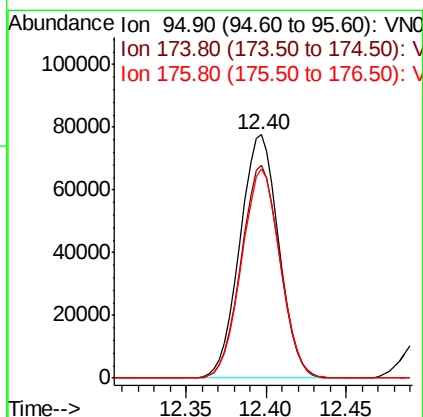
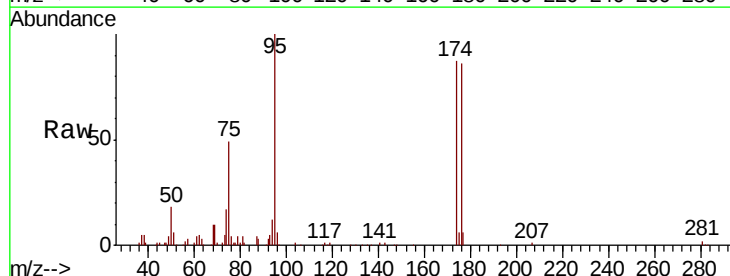
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 112486
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 50.016 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion: 95 Resp: 128871
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 151.4
 176 85.4 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: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

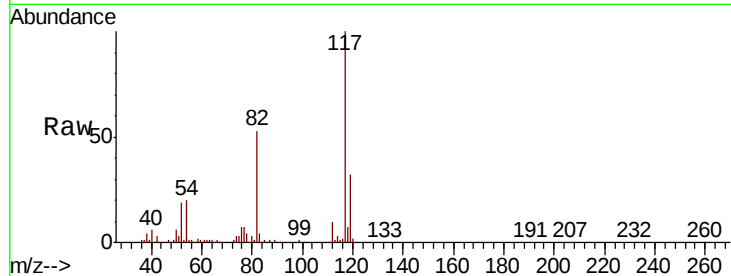
Tot Ion:117 Resp: 279037

Ion Ratio Lower Upper

117 100

82 52.7 45.9 68.9

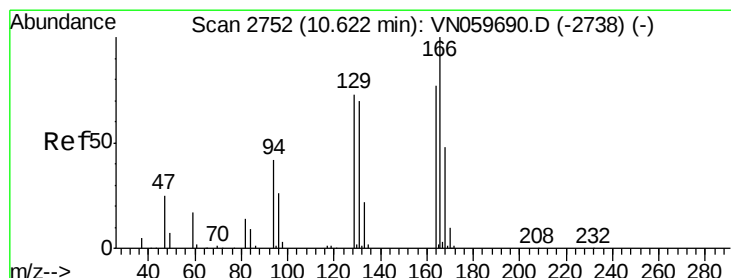
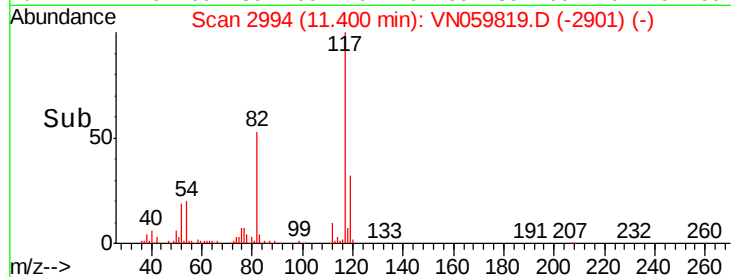
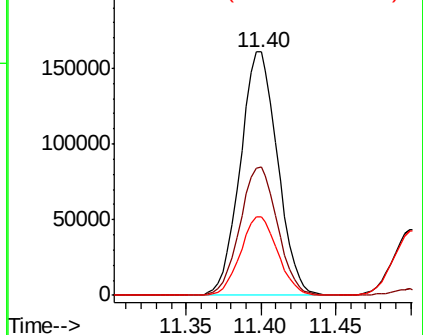
119 32.4 25.5 38.3



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: 69.730 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion:164 Resp: 158578

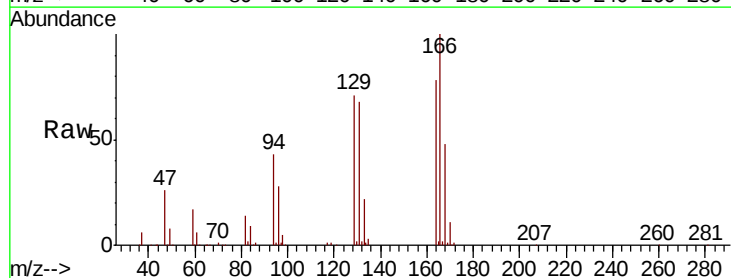
Ion Ratio Lower Upper

164 100

166 128.2 101.4 152.0

129 91.3 80.2 120.4

131 87.7 75.0 112.4

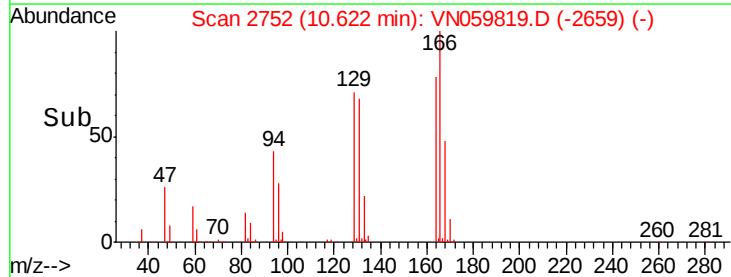
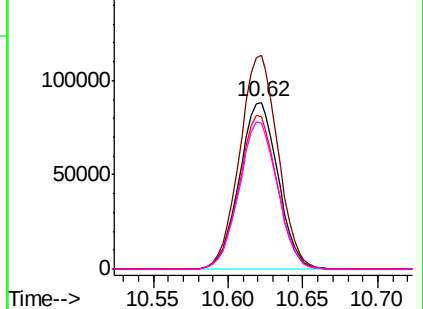


Abundance Ion 163.80 (163.50 to 164.50): V

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

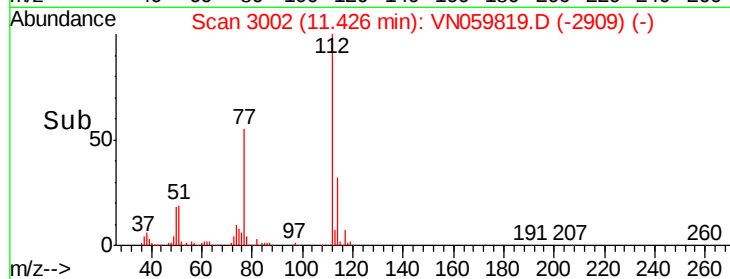
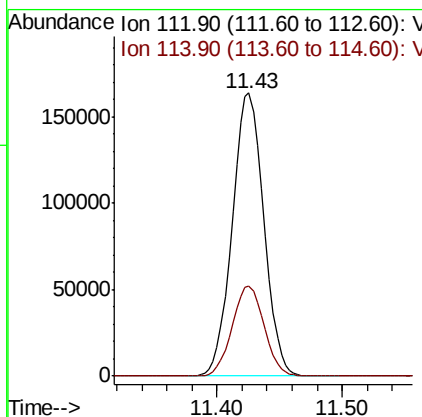
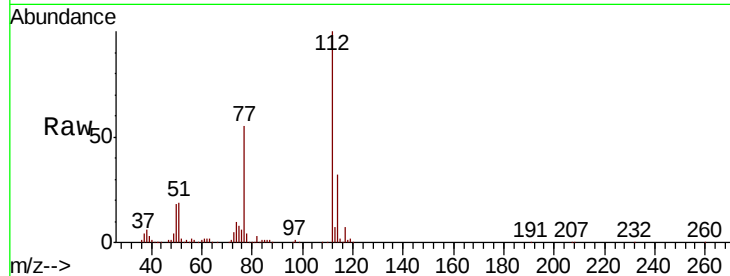




#65
Chlorobenzene
Concen: 52.086 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

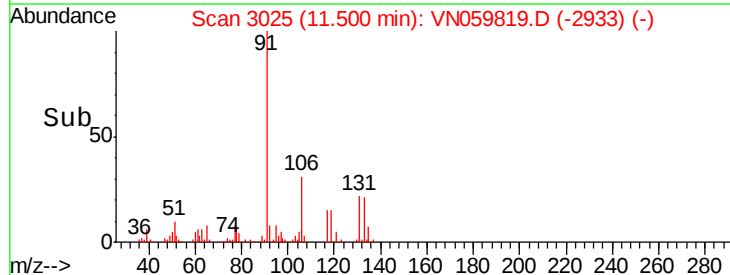
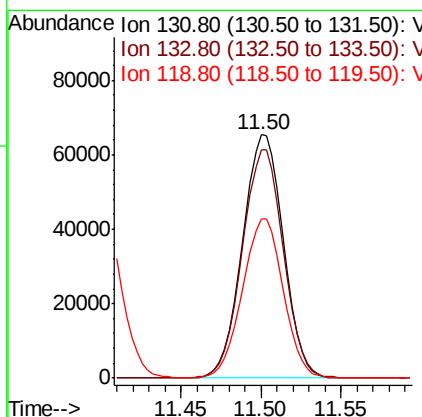
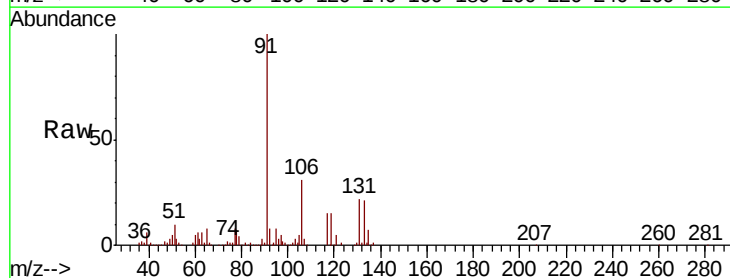
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 285673
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.820 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion:131 Resp: 114057
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.2
119 65.3 33.1 99.3

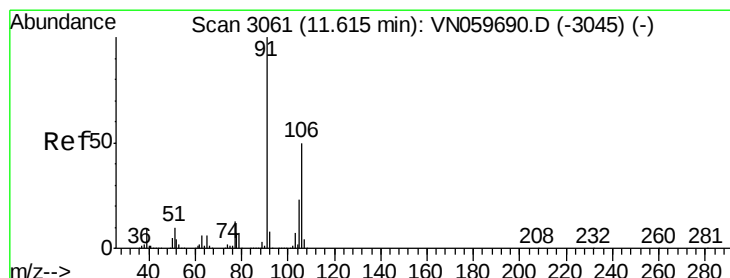
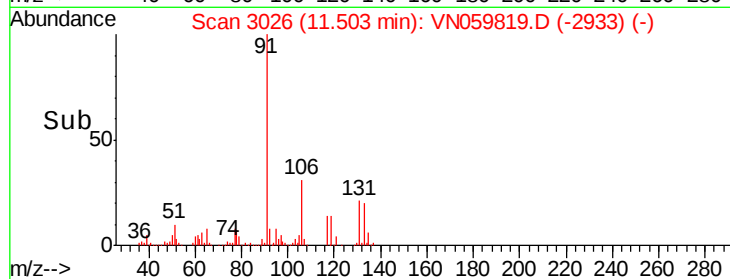
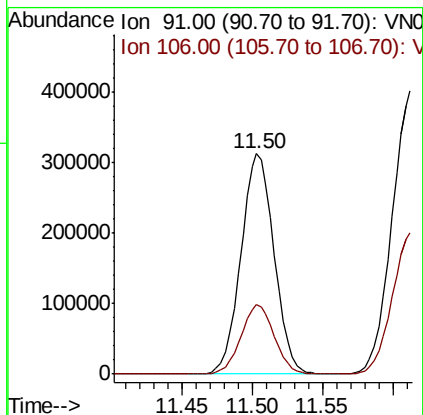
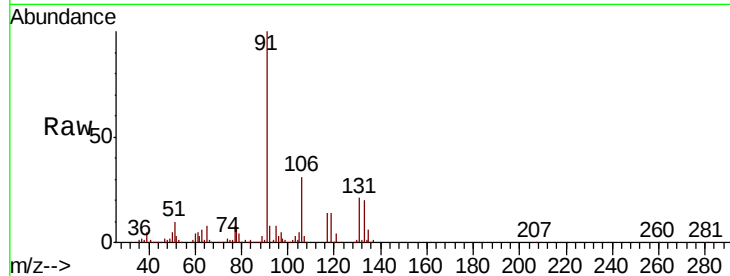




#67
Ethyl Benzene
Concen: 51.548 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

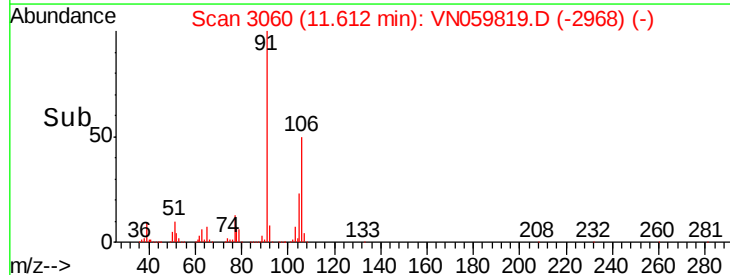
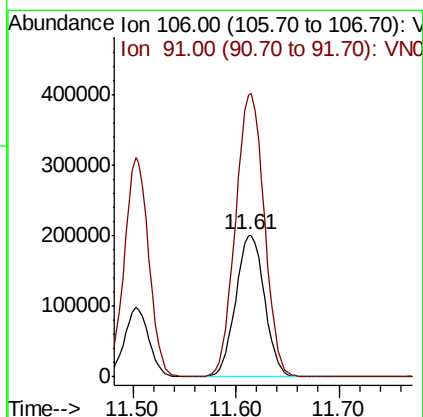
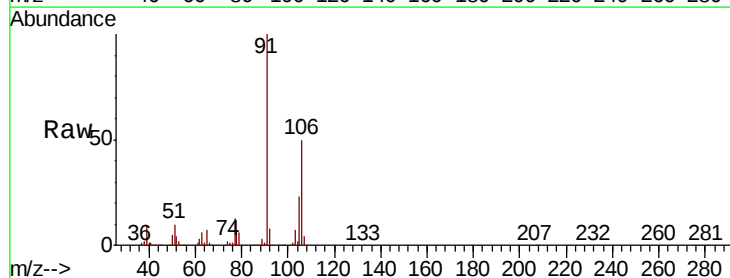
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 513227
Ion Ratio Lower Upper
91 100
106 31.4 24.1 36.1



#68
m/p-Xylenes
Concen: 104.086 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 106 Resp: 391454
Ion Ratio Lower Upper
106 100
91 199.9 167.9 251.9

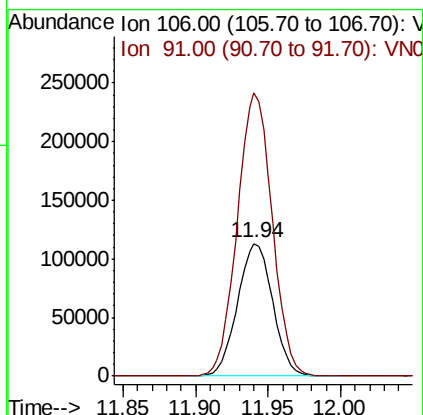
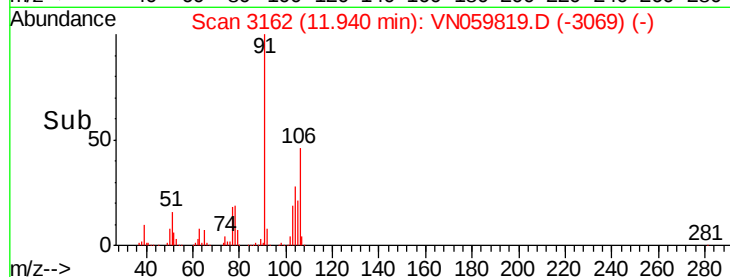
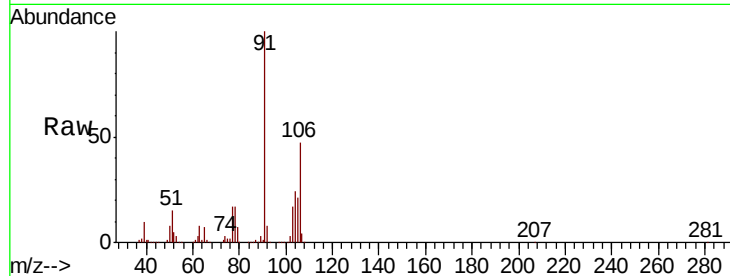




#69
o-Xylene
Concen: 51.727 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

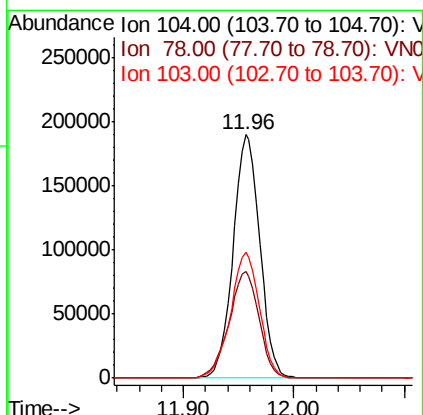
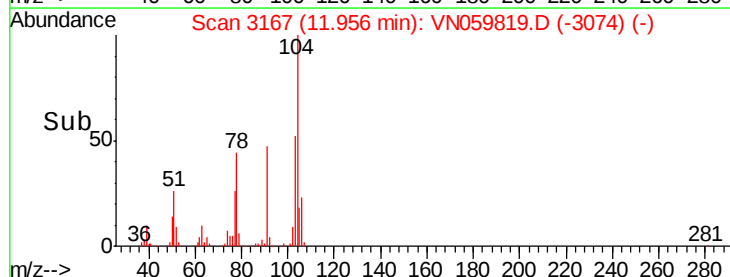
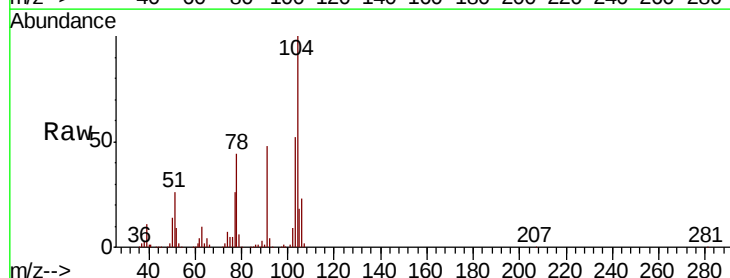
Instrument :
MSVOA_N
ClientSampled :

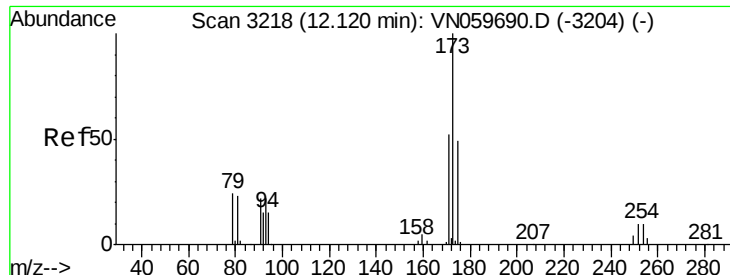
Tot Ion:106 Resp: 190456
Ion Ratio Lower Upper
106 100
91 212.2 110.3 330.9



#70
Styrene
Concen: 51.607 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion:104 Resp: 317961
Ion Ratio Lower Upper
104 100
78 49.1 42.4 63.6
103 56.1 43.9 65.9





#71

Bromoform

Concen: 54.804 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

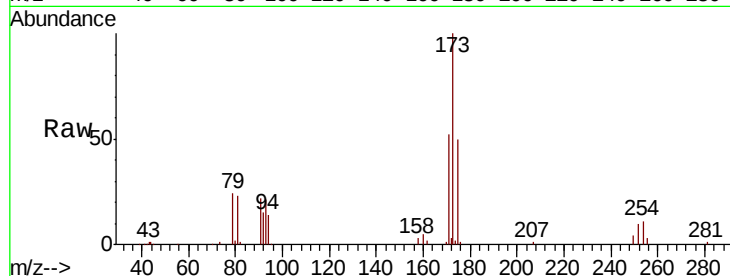
Tot Ion:173 Resp: 93032

Ion Ratio Lower Upper

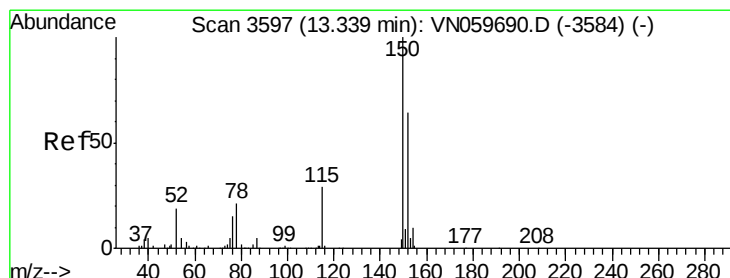
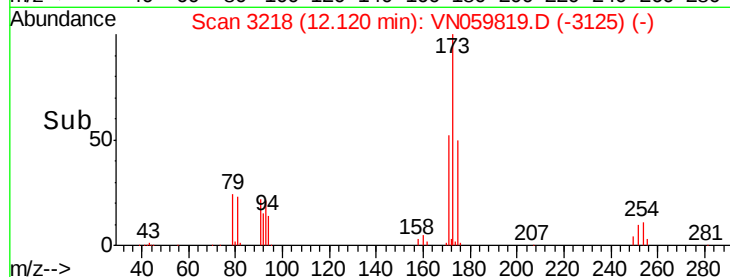
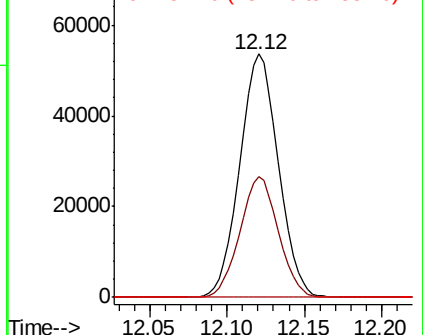
173 100

175 49.3 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: VN059819.D

Acq: 21 Jan 2020 19:31

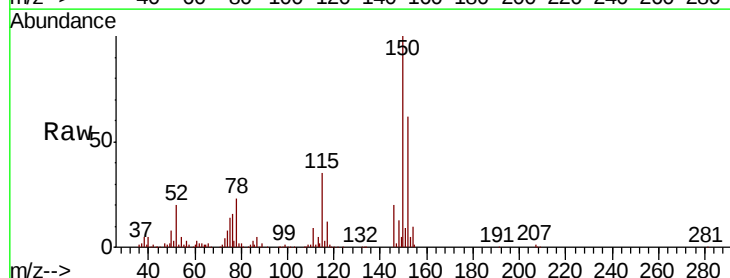
Tgt Ion:152 Resp: 136631

Ion Ratio Lower Upper

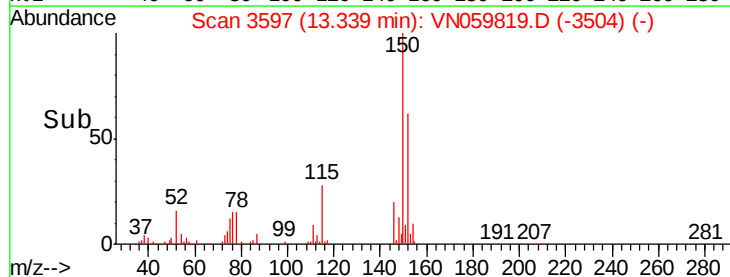
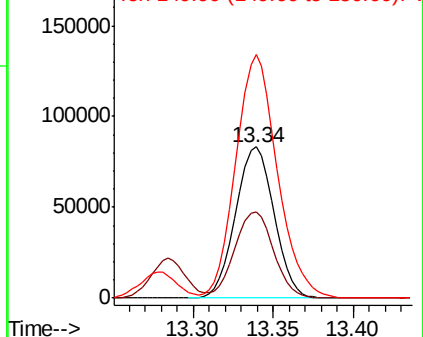
152 100

115 57.7 30.3 90.9

150 174.2 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: 51.228 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

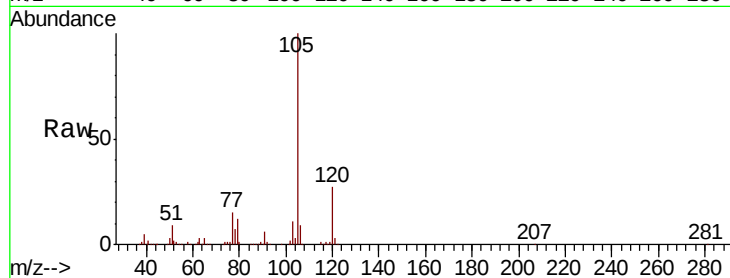
ClientSampleId :

Tot Ion:105 Resp: 513329

Ion Ratio Lower Upper

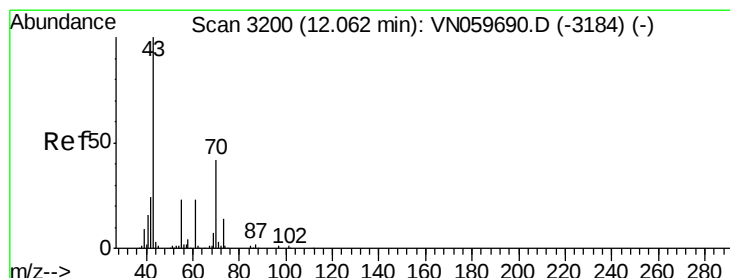
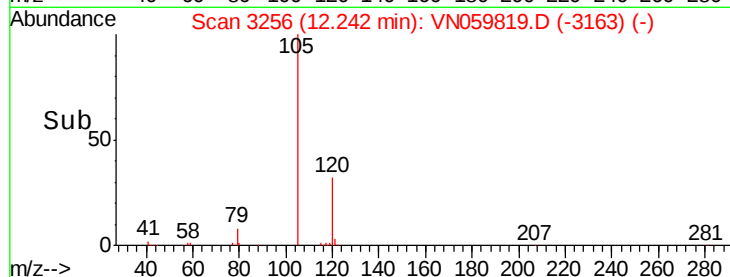
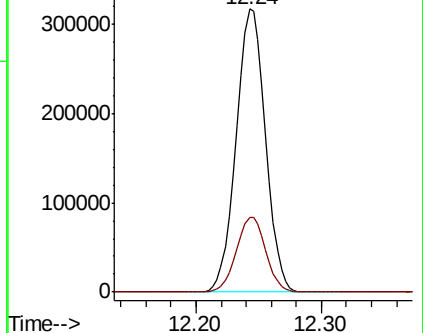
105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.666 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion: 43 Resp: 189226

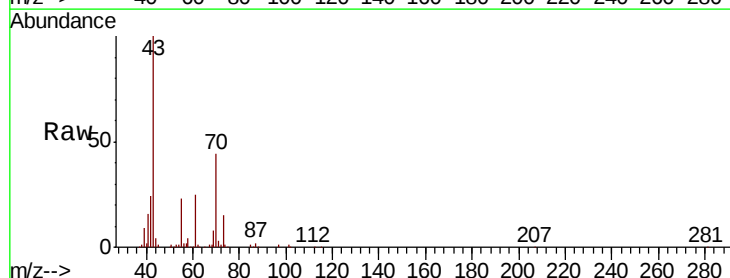
Ion Ratio Lower Upper

43 100

70 43.4 31.3 46.9

55 23.4 19.8 29.6

61 24.8 18.3 27.5

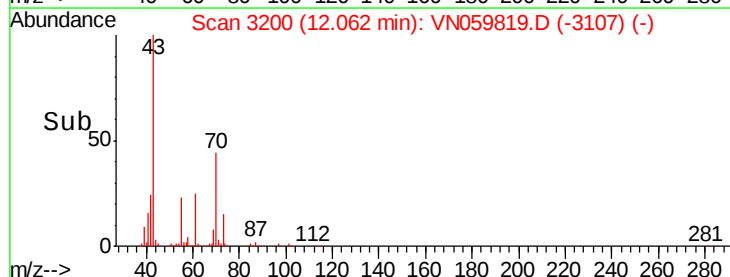
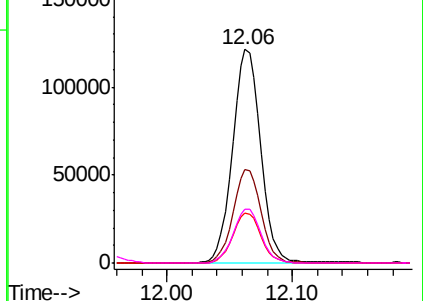


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.119 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

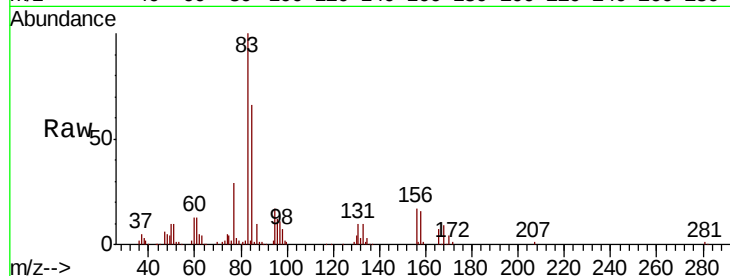
Tot Ion: 83 Resp: 142687

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

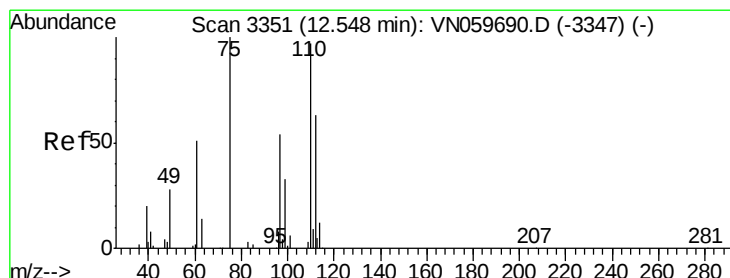
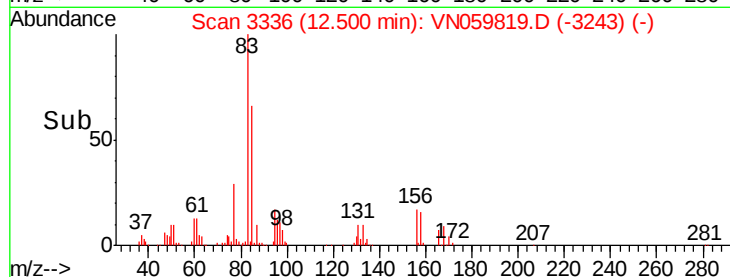
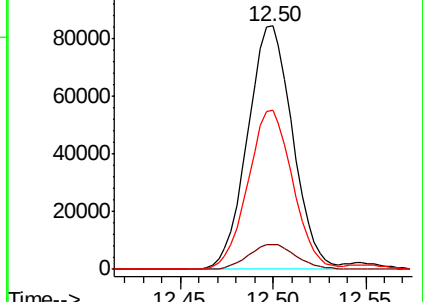
85 65.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059819.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059819.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059819.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 86.898 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059819.D

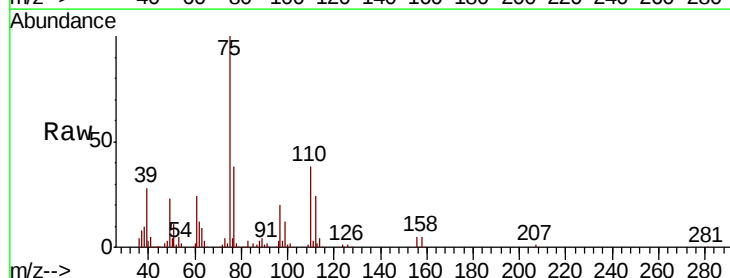
Acq: 21 Jan 2020 19:31

Tgt Ion: 75 Resp: 199811

Ion Ratio Lower Upper

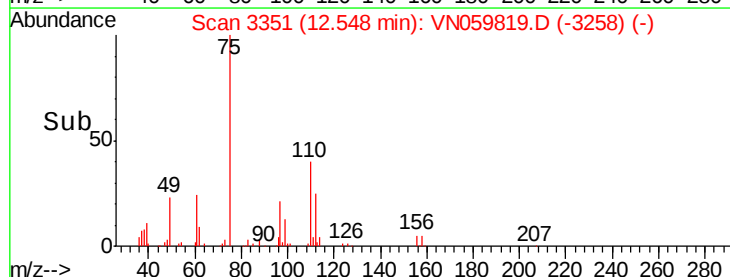
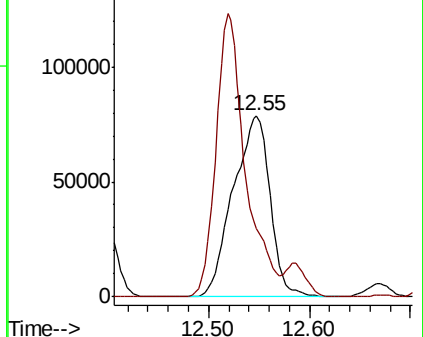
75 100

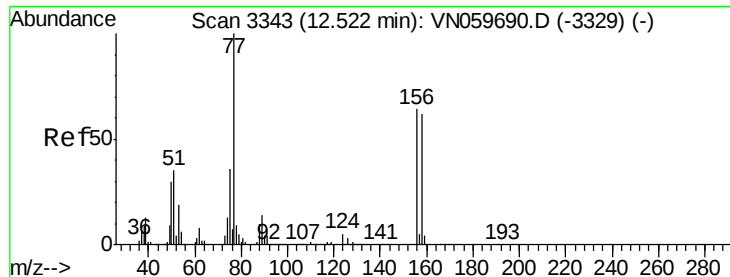
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059819.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059819.D (-3258) (-)





#77

Bromobenzene

Concen: 51.667 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

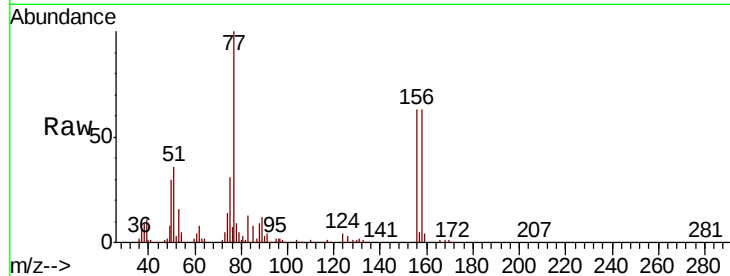
Tot Ion:156 Resp: 131108

Ion Ratio Lower Upper

156 100

77 190.2 115.8 347.4

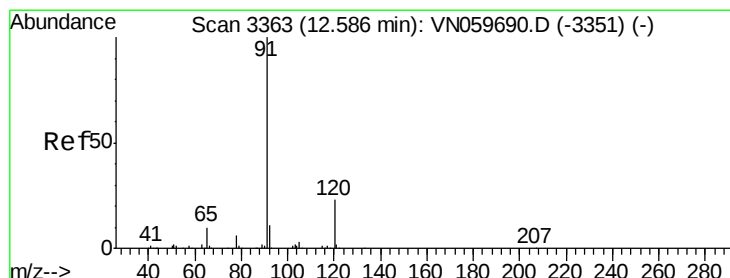
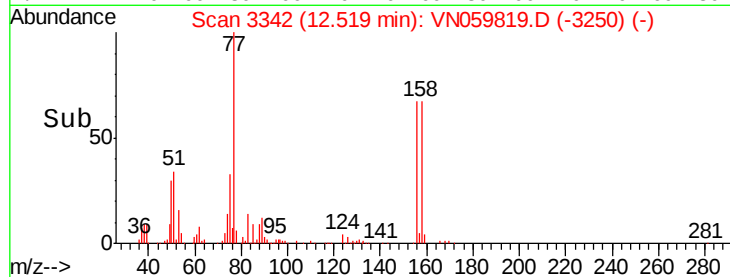
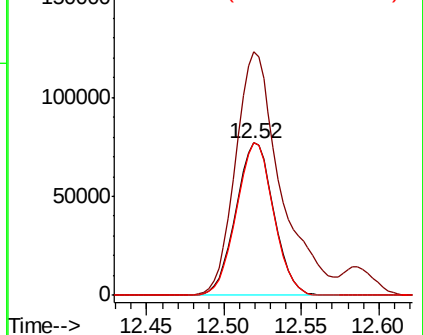
158 98.1 49.2 147.6



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: 51.065 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059819.D

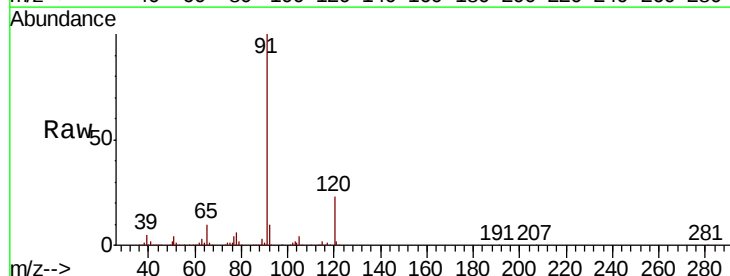
Acq: 21 Jan 2020 19:31

Tgt Ion: 91 Resp: 574324

Ion Ratio Lower Upper

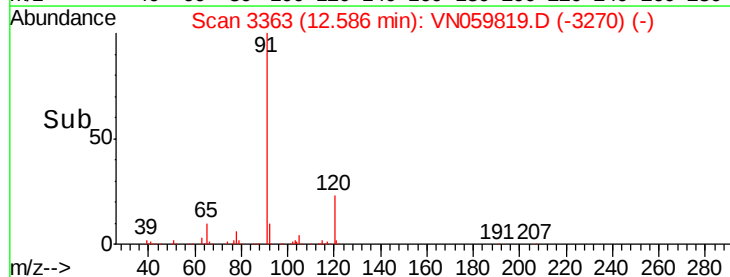
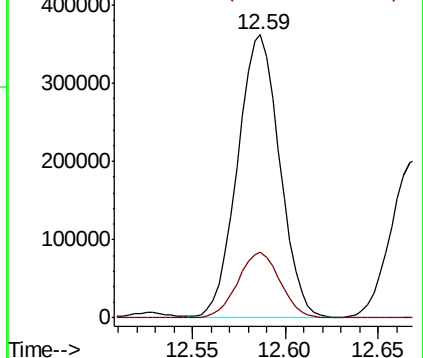
91 100

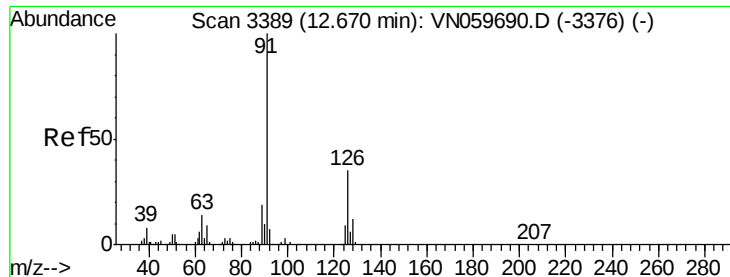
120 23.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

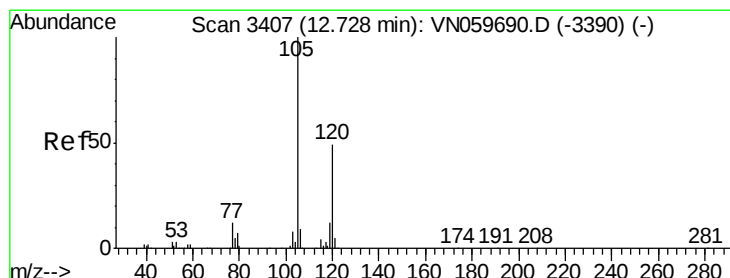
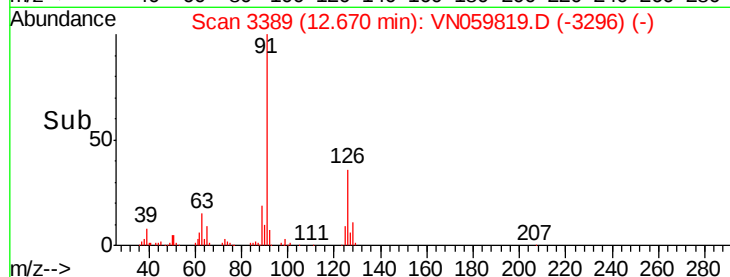
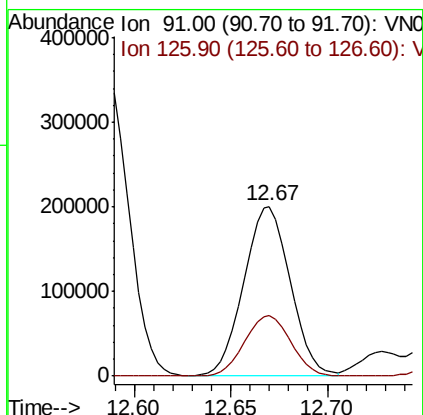
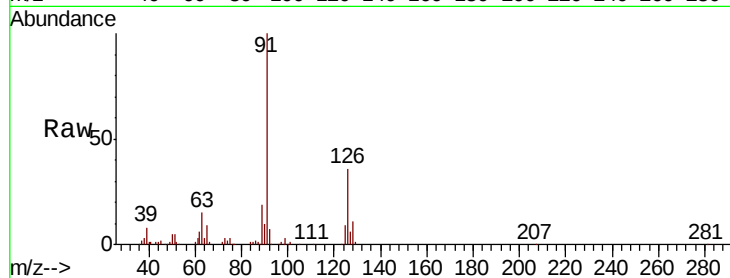




#79
 2-Chlorotoluene
 Concen: 50.310 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

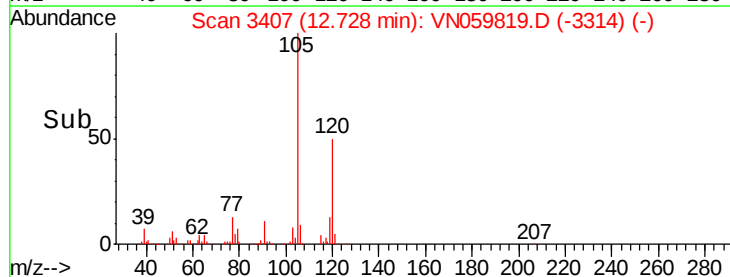
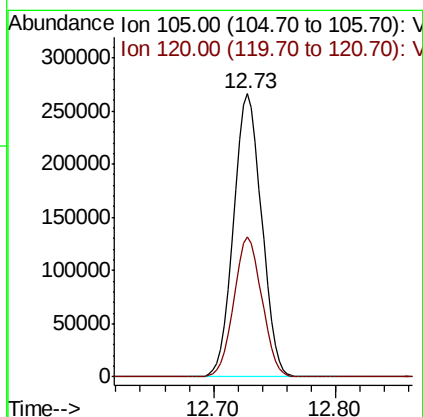
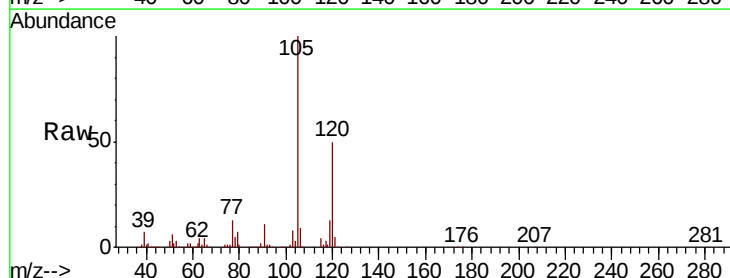
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 336612
 Ion Ratio Lower Upper
 91 100
 126 35.7 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 50.421 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion: 105 Resp: 424910
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.372 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

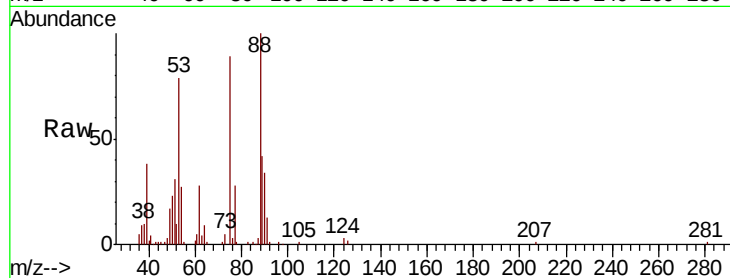
Tot Ion: 75 Resp: 52863

Ion Ratio Lower Upper

75 100

53 91.3 78.1 117.1

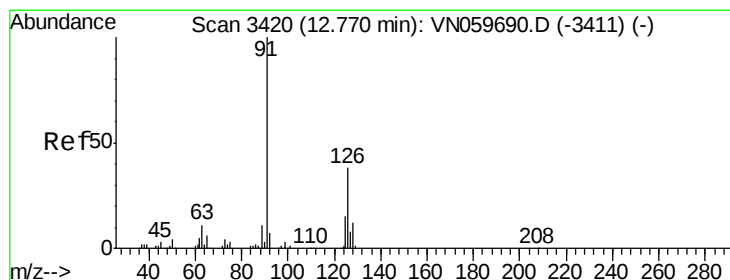
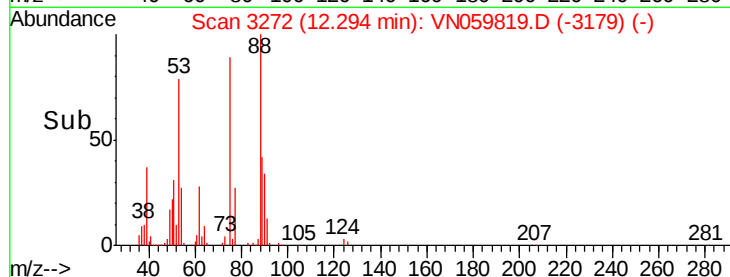
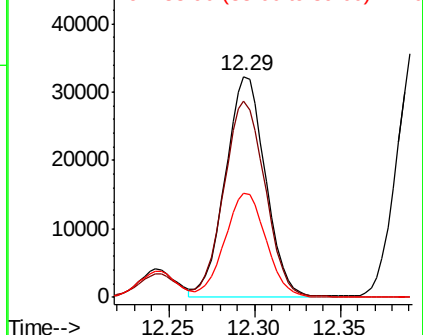
89 48.2 35.4 53.2



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: 50.912 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN059819.D

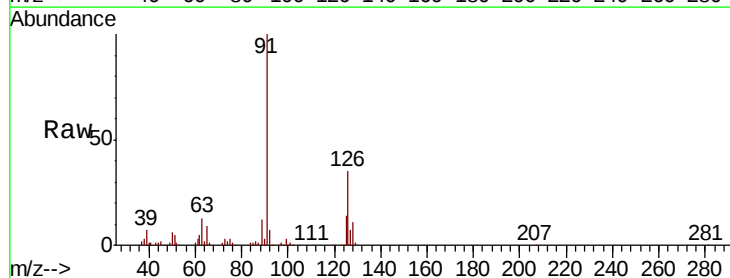
Acq: 21 Jan 2020 19:31

Tgt Ion: 91 Resp: 341668

Ion Ratio Lower Upper

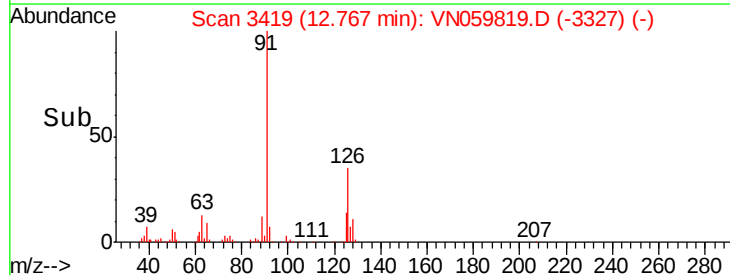
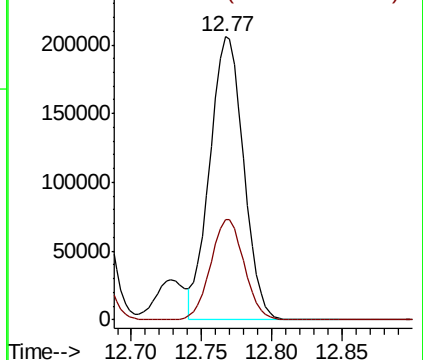
91 100

126 35.2 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: 50.631 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

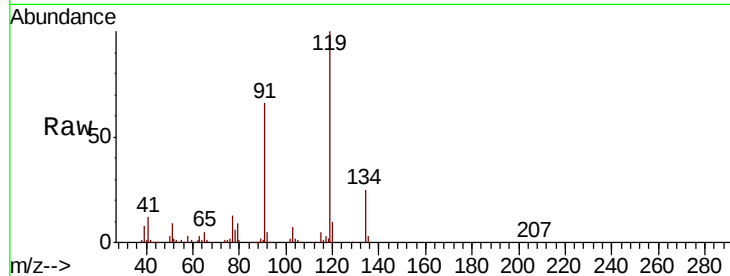
Tot Ion:119 Resp: 369024

Ion Ratio Lower Upper

119 100

91 65.2 34.8 104.4

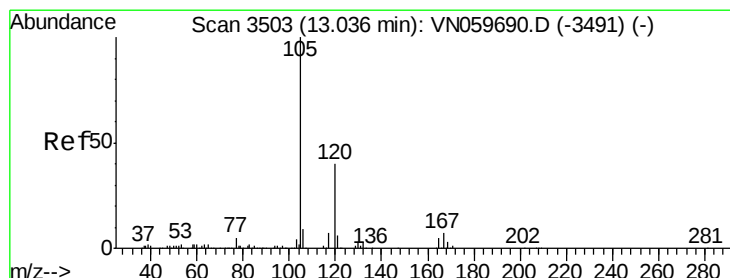
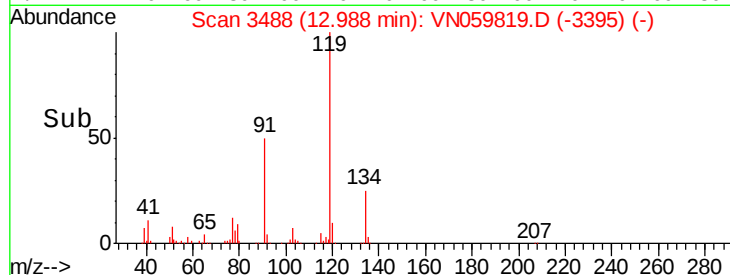
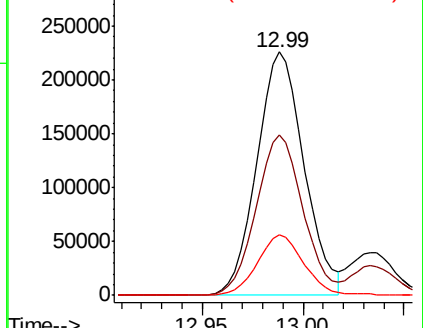
134 24.6 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.080 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059819.D

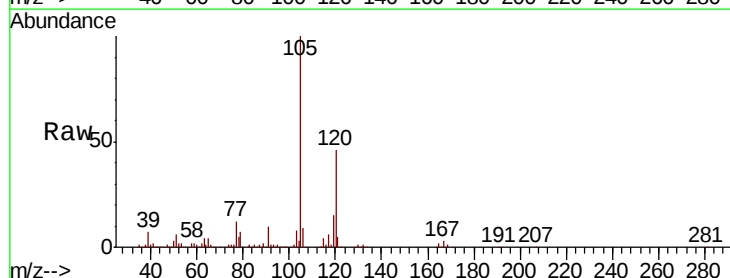
Acq: 21 Jan 2020 19:31

Tgt Ion:105 Resp: 425861

Ion Ratio Lower Upper

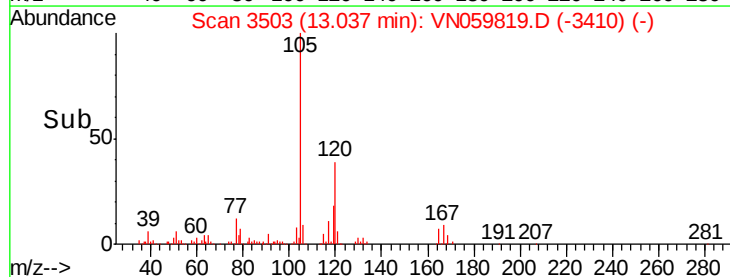
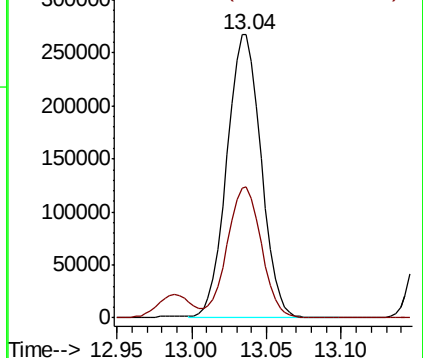
105 100

120 46.2 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.827 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

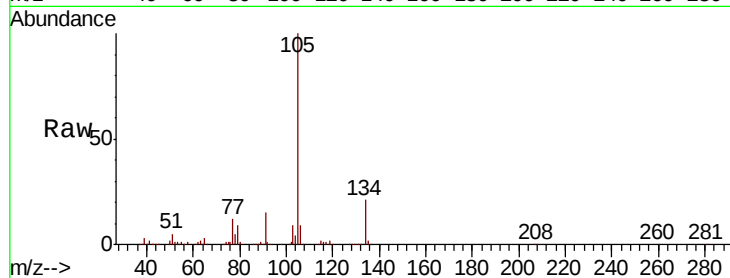
ClientSampled :

Tot Ion:105 Resp: 486718

Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

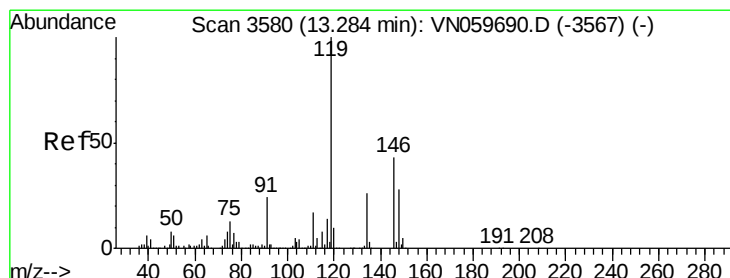
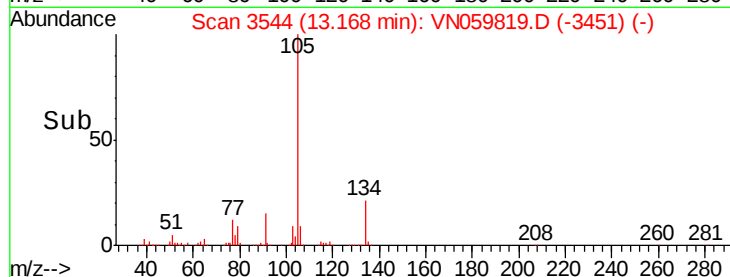
300000

200000

100000

0

Time--> 13.10 13.20



#86

p-Isopropyltoluene

Concen: 50.635 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

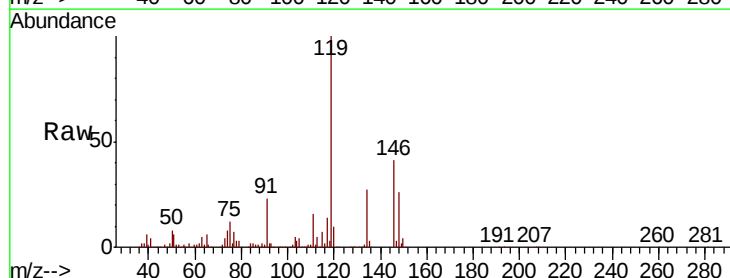
Tgt Ion:119 Resp: 448658

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.7

91 23.3 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

13.28

400000

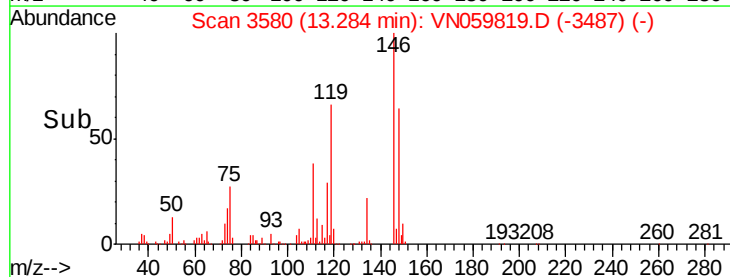
300000

200000

100000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 52.348 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampled :

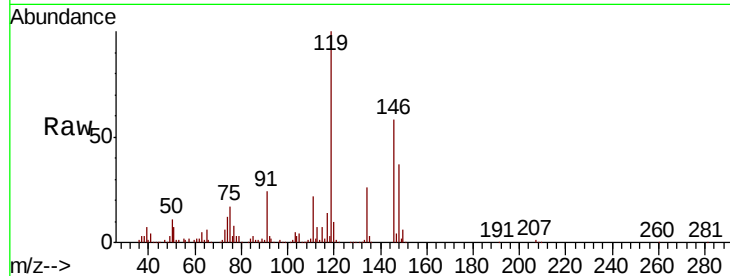
Tot Ion:146 Resp: 230742

Ion Ratio Lower Upper

146 100

111 38.4 20.8 62.2

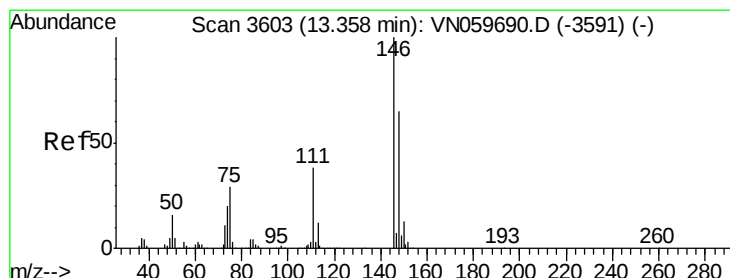
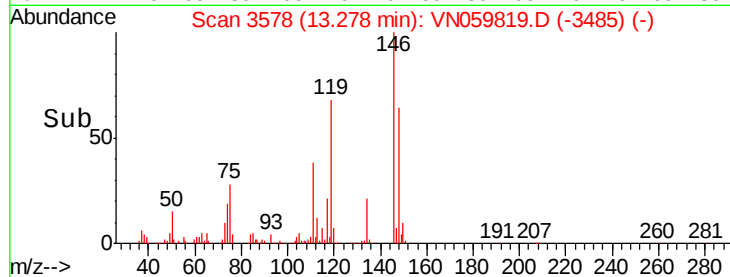
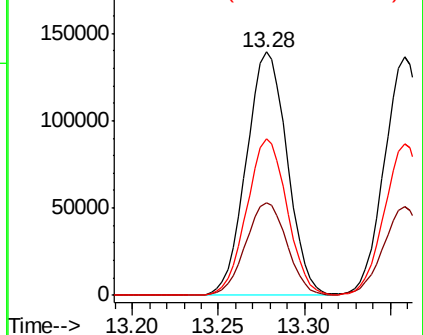
148 63.6 32.0 96.0



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: 51.562 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

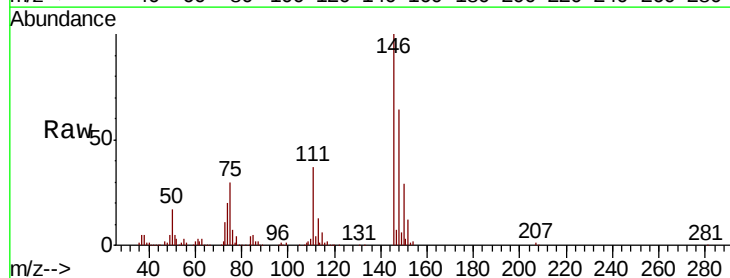
Tgt Ion:146 Resp: 226736

Ion Ratio Lower Upper

146 100

111 37.8 20.8 62.2

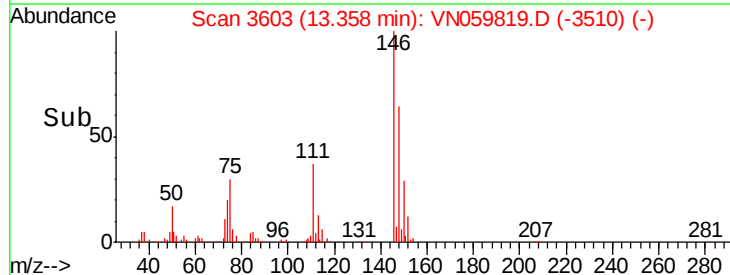
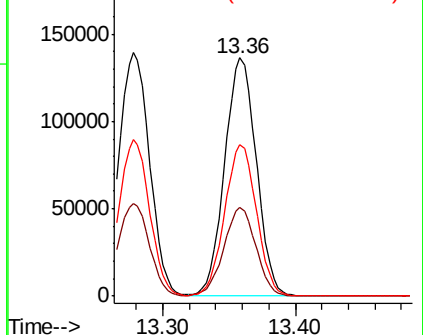
148 63.9 31.8 95.4

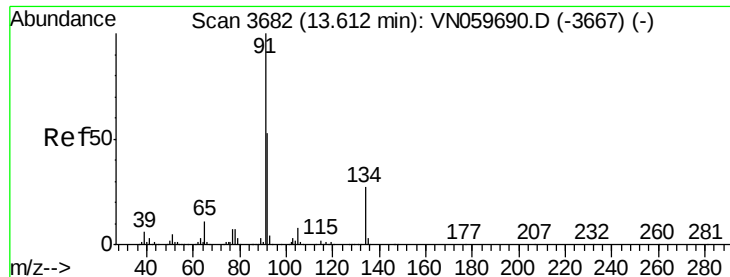


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

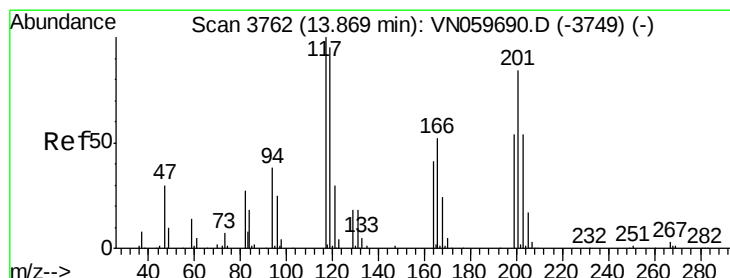
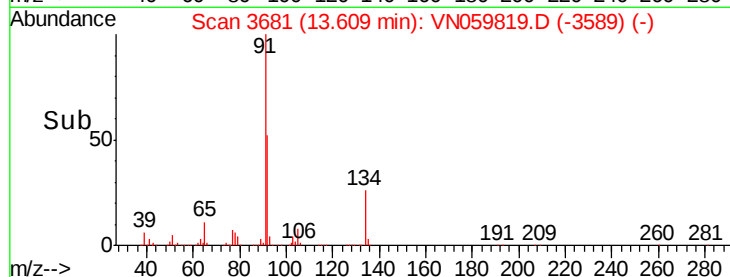
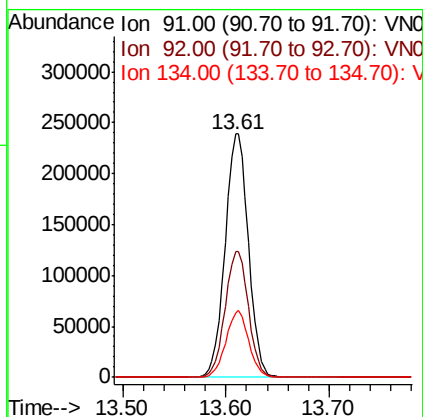
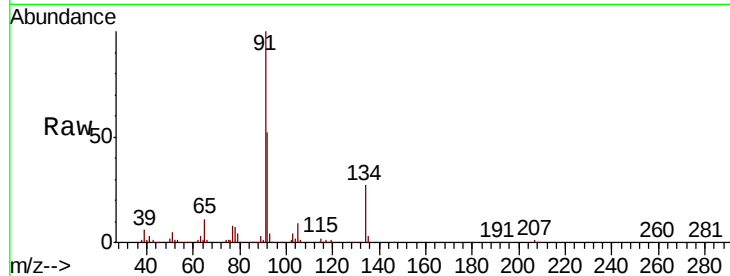




#89
n-Butylbenzene
Concen: 49.686 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

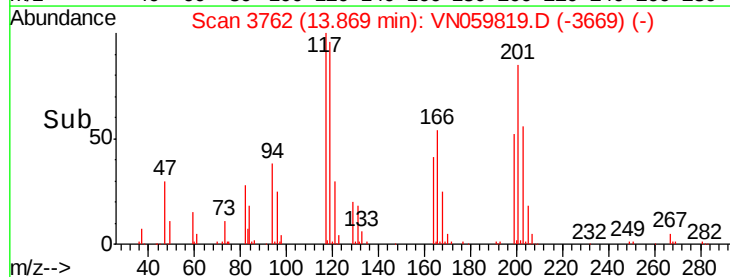
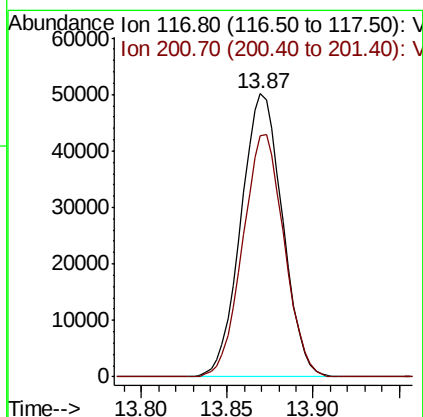
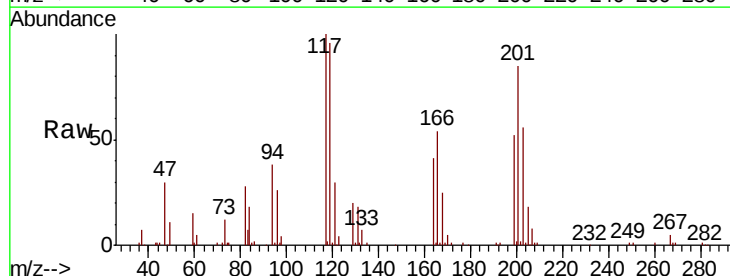
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 375370
Ion Ratio Lower Upper
91 100
92 51.8 25.9 77.7
134 26.9 12.3 36.8



#90
Hexachloroethane
Concen: 50.873 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059819.D
Acq: 21 Jan 2020 19:31

Tgt Ion: 117 Resp: 84337
Ion Ratio Lower Upper
117 100
201 85.2 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 52.005 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN059819.D

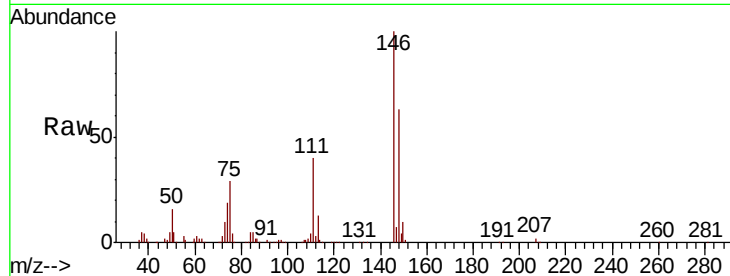
Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

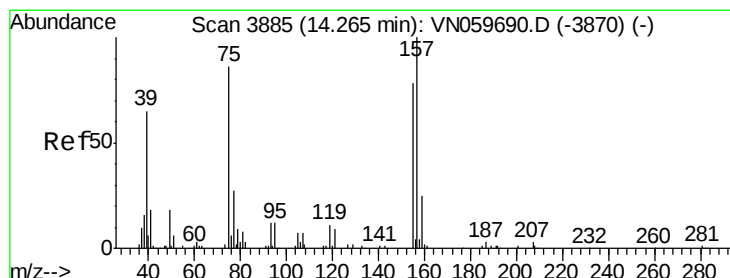
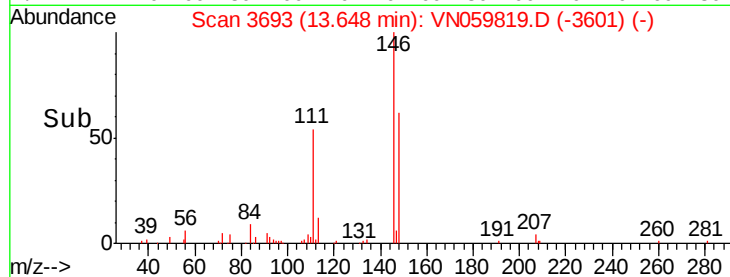
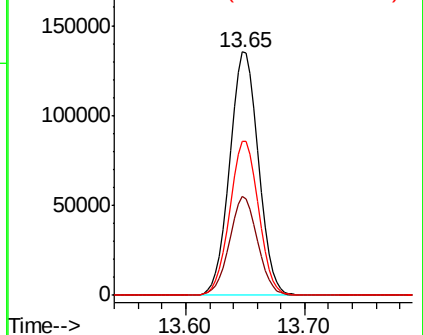
Tot Ion:	146	Resp:	226621
Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.6	64.8
148	63.6	31.6	95.0



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: 51.658 ug/l

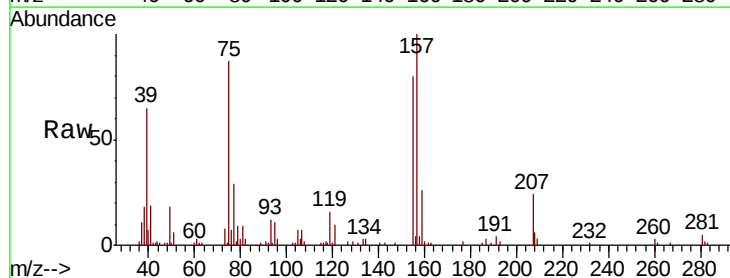
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

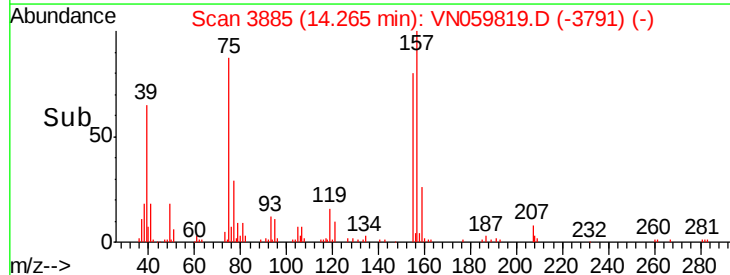
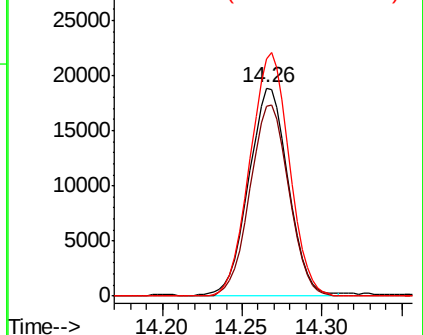
Tgt Ion:	75	Resp:	32166
Ion	Ratio	Lower	Upper
75	100		
155	89.8	37.0	110.9
157	115.5	48.4	145.2



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

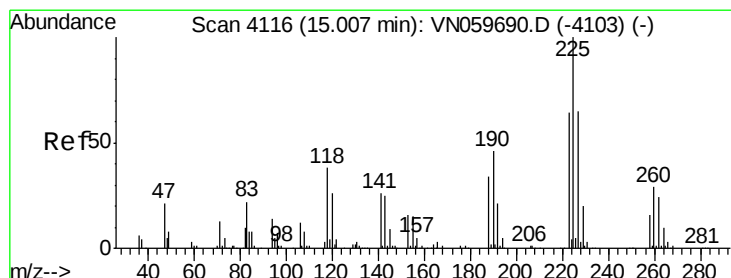
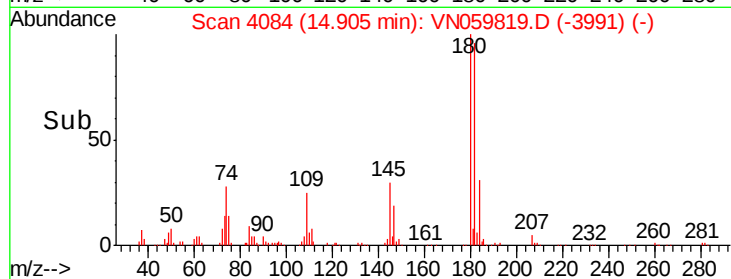
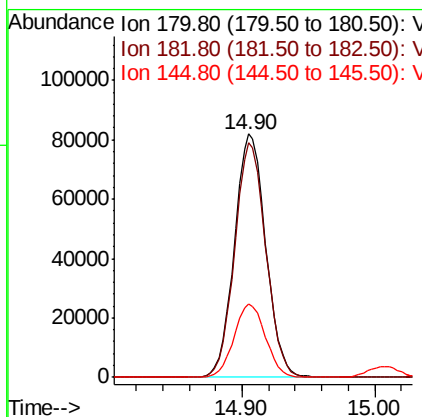
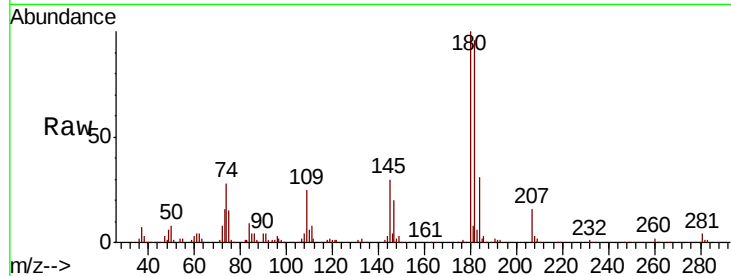




#93
 1,2,4-Trichlorobenzene
 Concen: 51.308 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

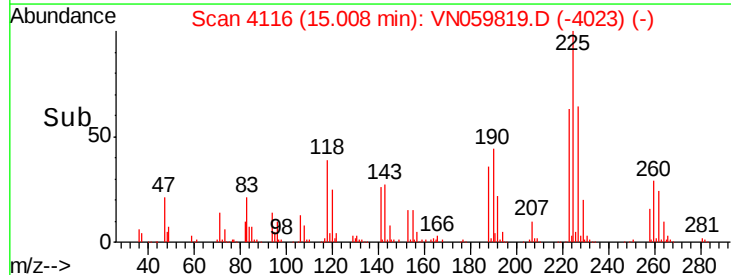
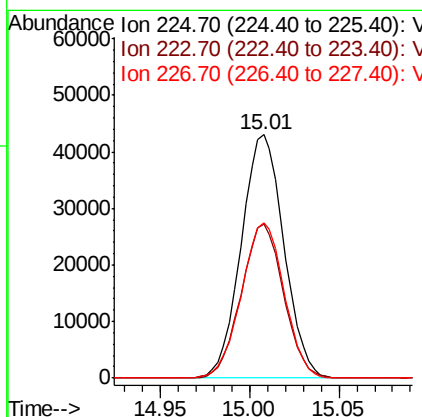
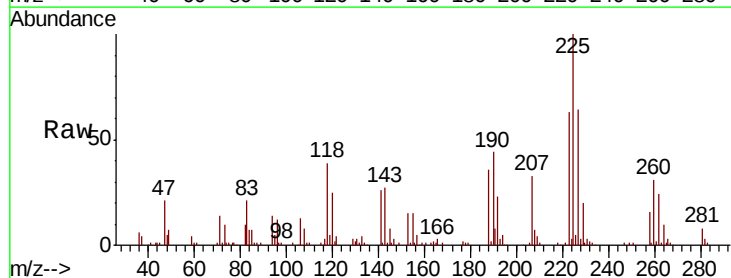
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.9	140.7
145	30.3	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 49.707 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059819.D
 Acq: 21 Jan 2020 19:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	95.3
227	64.0	32.1	96.5





#95

Naphthalene

Concen: 50.190 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059819.D

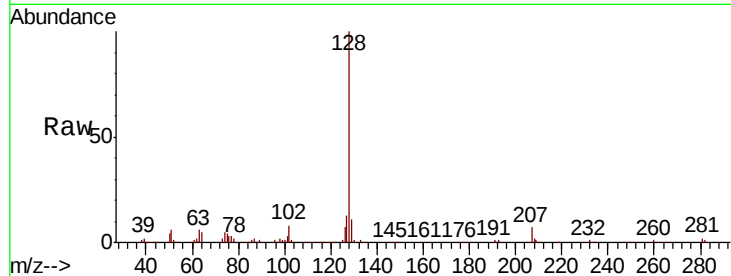
Acq: 21 Jan 2020 19:31

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	128	Resp:	373805
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	12.8

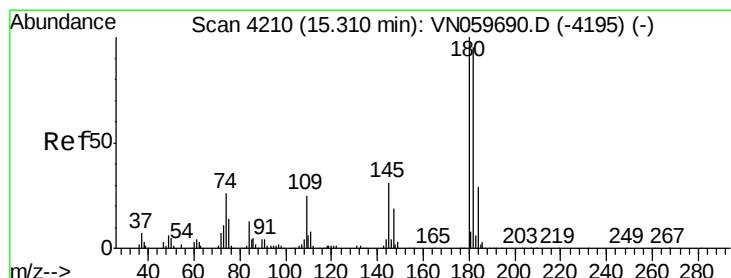
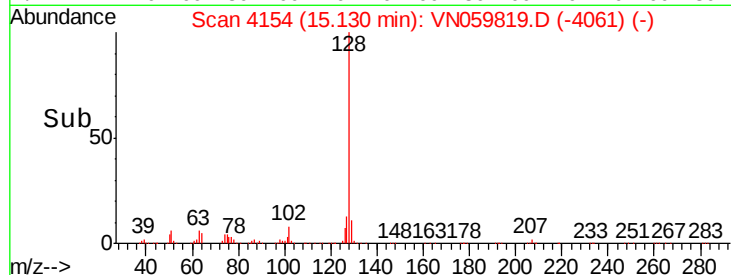
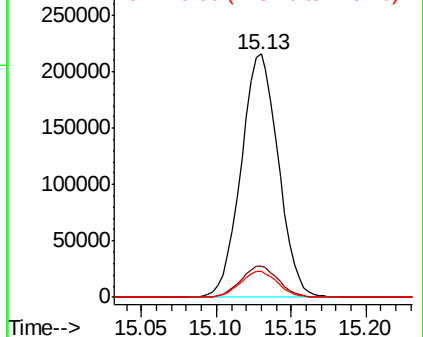


Abundance

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: 50.596 ug/l

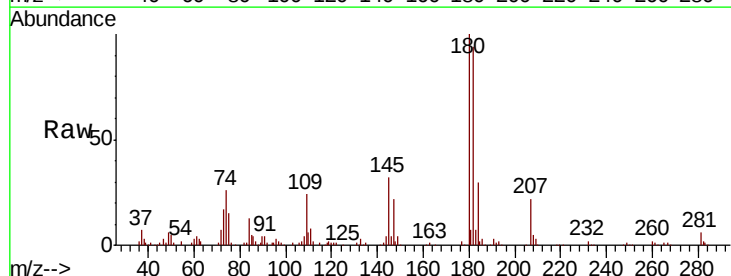
RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059819.D

Acq: 21 Jan 2020 19:31

Tgt Ion:	180	Resp:	128954
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	32.1	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

