

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112519\
 Data File : VN059397.D
 Acq On : 25 Nov 2019 20:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 26 00:42:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	355757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	559639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	509335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	249842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	214316	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	7.57	113	174963	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
50) Toluene-d8	10.08	98	691344	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.40	95	251105	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	208484	45.776	ug/l	100
3) Chloromethane	2.04	50	249790	44.769	ug/l	100
4) Vinyl Chloride	2.17	62	267081	46.493	ug/l	99
5) Bromomethane	2.54	94	142466	44.670	ug/l	99
6) Chloroethane	2.68	64	135978	43.372	ug/l	97
7) Trichlorofluoromethane	3.00	101	273928	44.282	ug/l	100
8) Diethyl Ether	3.39	74	120819	47.774	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	176592	46.685	ug/l	99
10) Methyl Iodide	3.93	142	239644	50.976	ug/l	99
11) Tert butyl alcohol	4.75	59	225090	263.382	ug/l	99
12) 1,1-Dichloroethene	3.71	96	175200	45.630	ug/l	95
13) Acrolein	3.58	56	125996	161.507	ug/l	100
14) Allyl chloride	4.29	41	327906	45.715	ug/l	99
15) Acrylonitrile	4.95	53	552893	244.686	ug/l	100
16) Acetone	3.79	43	506933	264.867	ug/l	99
17) Carbon Disulfide	4.03	76	525526	43.690	ug/l	99
18) Methyl Acetate	4.29	43	316343	49.804	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	603207	48.640	ug/l	99
20) Methylene Chloride	4.52	84	202632	46.943	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	185922	45.689	ug/l	100
22) Diisopropyl ether	5.92	45	643958	47.682	ug/l	97
23) Vinyl Acetate	5.86	43	2410754	226.999	ug/l	100
24) 1,1-Dichloroethane	5.82	63	358076	47.105	ug/l	99
25) 2-Butanone	6.81	43	753841	253.296	ug/l	100
26) 2,2-Dichloropropane	6.80	77	292277	44.404	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	215894	47.023	ug/l	98
28) Bromochloromethane	7.17	49	145133	47.018	ug/l	98
29) Tetrahydrofuran	7.18	42	500143	243.038	ug/l	99
30) Chloroform	7.35	83	342699	46.448	ug/l	99
31) Cyclohexane	7.63	56	331575	44.116	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	299804	47.302	ug/l	98
36) 1,1-Dichloropropene	7.77	75	268100	46.405	ug/l	99
37) Ethyl Acetate	6.91	43	293576	47.281	ug/l	98
38) Carbon Tetrachloride	7.75	117	261777	47.330	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	323310	46.408	ug/l	99
40) Benzene	8.02	78	805716	47.516	ug/l	99
41) Methacrylonitrile	7.18	41	425458	154.353	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	264794	47.217	ug/l	100
43) Isopropyl Acetate	8.15	43	464018	48.899	ug/l	99
44) Trichloroethene	8.82	130	202072	47.021	ug/l	98
45) 1,2-Dichloropropane	9.10	63	216828	47.953	ug/l	99
46) Dibromomethane	9.19	93	135064	48.698	ug/l	99
47) Bromodichloromethane	9.39	83	269566	48.531	ug/l	99
48) Methyl methacrylate	9.19	41	209185	48.476	ug/l	97
49) 1,4-Dioxane	9.19	88	73965	1140.472	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1450630	261.171	ug/l	98
52) Toluene	10.15	92	493173	48.370	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	315670	48.889	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	342638	48.903	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	197049	49.707	ug/l	99
56) Ethyl methacrylate	10.42	69	312162	46.773	ug/l	99
57) 1,3-Dichloropropane	10.70	76	342924	49.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	530996	219.164	ug/l	99
59) 2-Hexanone	10.75	43	1101005	270.708	ug/l	98
60) Dibromochloromethane	10.90	129	214785	51.416	ug/l	100
61) 1,2-Dibromoethane	11.00	107	203732	49.392	ug/l	100
64) Tetrachloroethene	10.63	164	222158	56.396	ug/l	99
65) Chlorobenzene	11.43	112	520498	47.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	194072	48.779	ug/l	99
67) Ethyl Benzene	11.51	91	948629	48.512	ug/l	100
68) m/p-Xylenes	11.62	106	710198	97.742	ug/l	100
69) o-Xylene	11.95	106	340252	48.914	ug/l	99
70) Styrene	11.96	104	561392	51.147	ug/l	99
71) Bromoform	12.13	173	156425	51.914	ug/l	99
73) Isopropylbenzene	12.25	105	917999	44.853	ug/l	100
74) N-amyl acetate	12.07	43	391862	47.641	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	298706	44.120	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	405474	70.249	ug/l #	100
77) Bromobenzene	12.53	156	222852	44.892	ug/l	98
78) n-propylbenzene	12.59	91	1077707	46.486	ug/l	100
79) 2-Chlorotoluene	12.68	91	631502	44.378	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	785185	45.637	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	110215	47.759	ug/l	98
82) 4-Chlorotoluene	12.77	91	654869	44.471	ug/l	100
83) tert-Butylbenzene	12.99	119	670627	46.152	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	783052	46.462	ug/l	100
85) sec-Butylbenzene	13.17	105	898043	45.982	ug/l	100
86) p-Isopropyltoluene	13.29	119	818529	47.099	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	400140	45.262	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	397955	45.497	ug/l	99
89) n-Butylbenzene	13.62	91	707187	46.387	ug/l	100
90) Hexachloroethane	13.88	117	147685	44.871	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	394391	46.110	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63290	43.969	ug/l	95

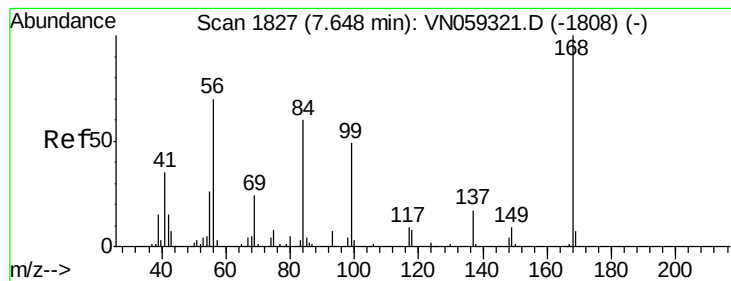
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	236684	44.815	ug/l	98
94) Hexachlorobutadiene	15.01	225	139554	45.286	ug/l	98
95) Naphthalene	15.13	128	623096	42.788	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	235893	45.361	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

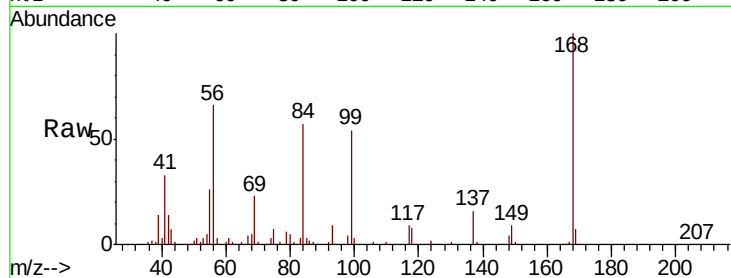
ClientSampleId :

Tot Ion:168 Resp: 355757

Ion Ratio Lower Upper

168 100

99 53.6 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.64

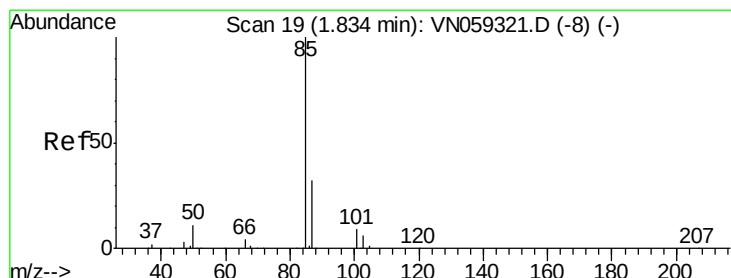
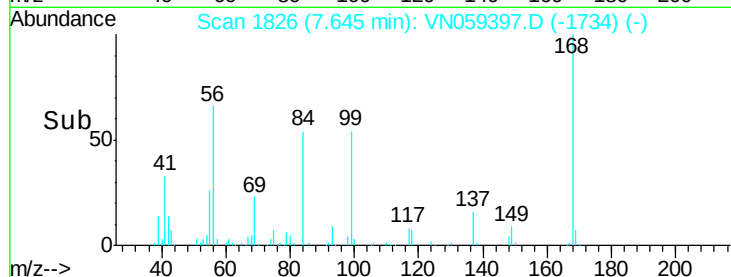
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.776 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059397.D

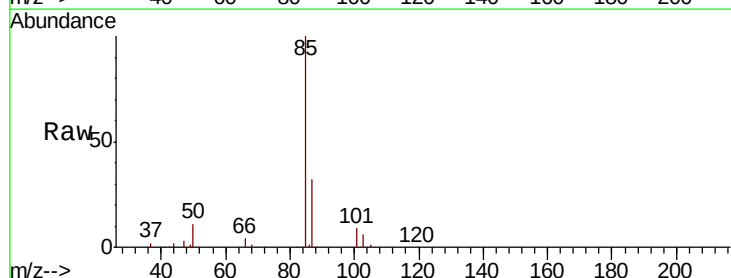
Acq: 25 Nov 2019 20:35

Tgt Ion: 85 Resp: 208484

Ion Ratio Lower Upper

85 100

87 32.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.83

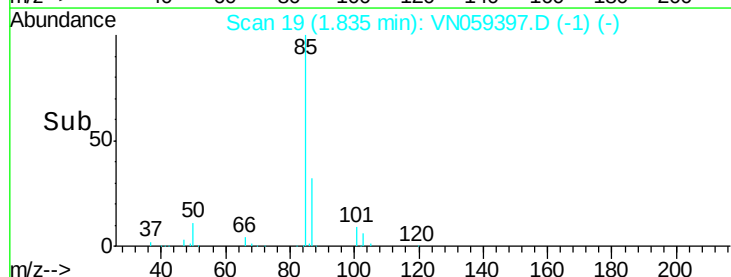
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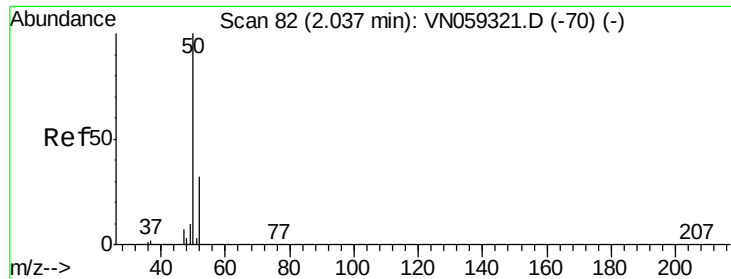
100000

50000

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Time-->





#3

Chloromethane

Concen: 44.769 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

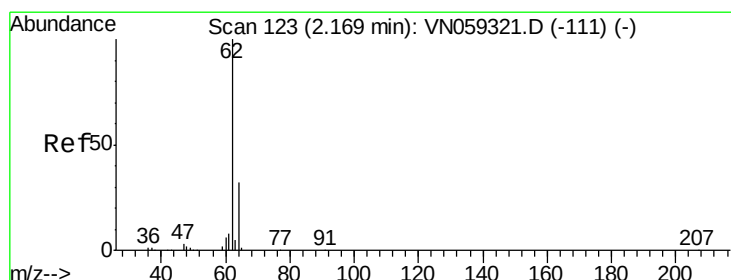
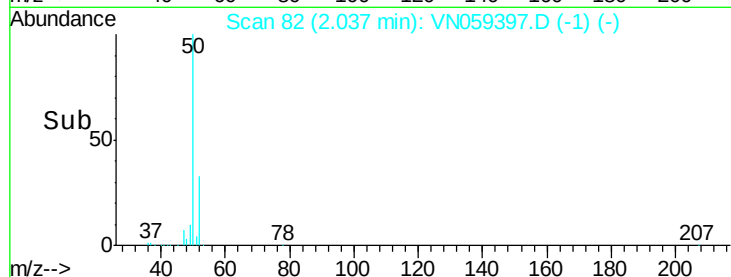
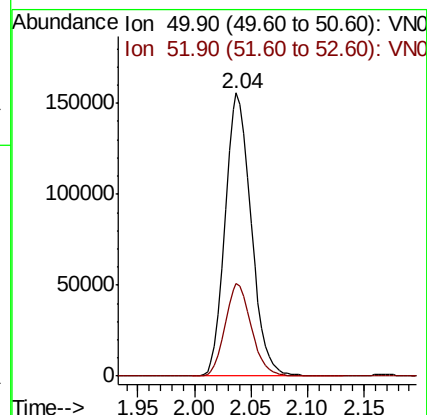
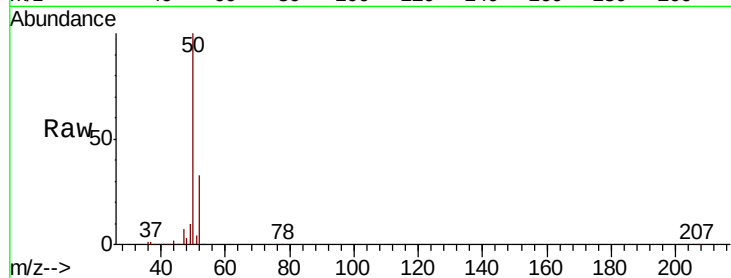
ClientSampled :

Tot Ion: 50 Resp: 249790

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 46.493 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059397.D

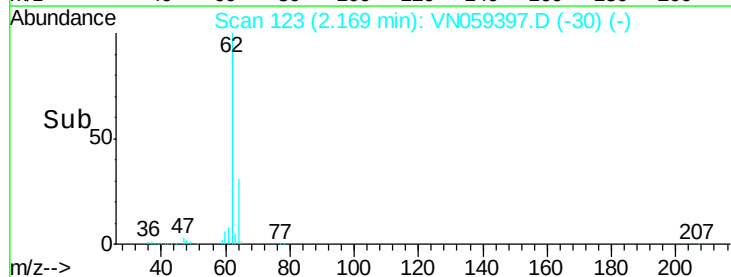
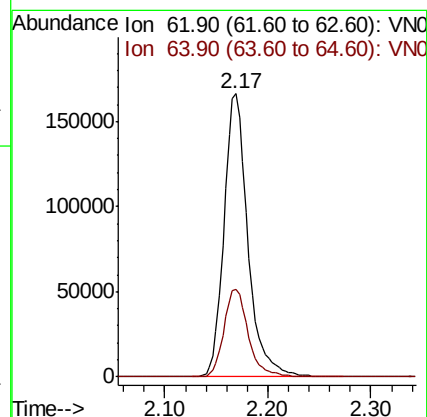
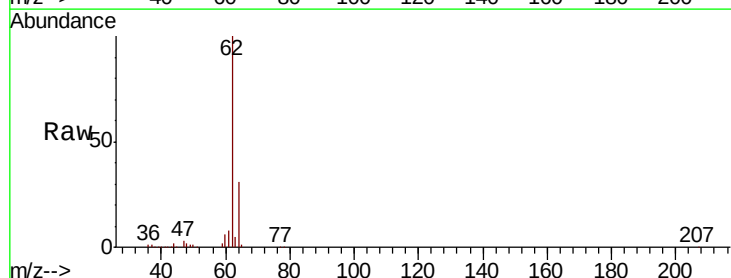
Acq: 25 Nov 2019 20:35

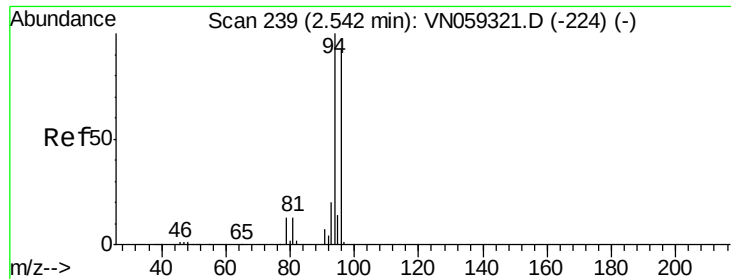
Tgt Ion: 62 Resp: 267081

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 44.670 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

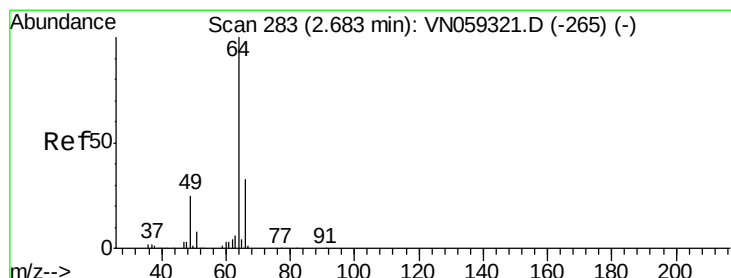
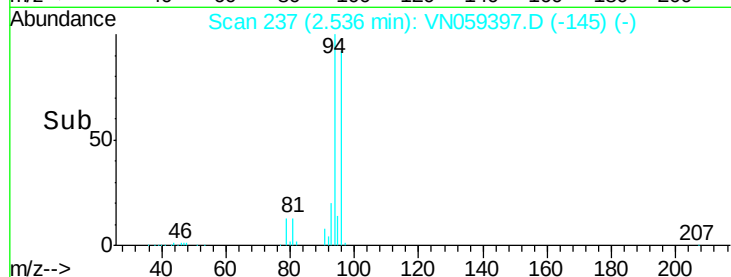
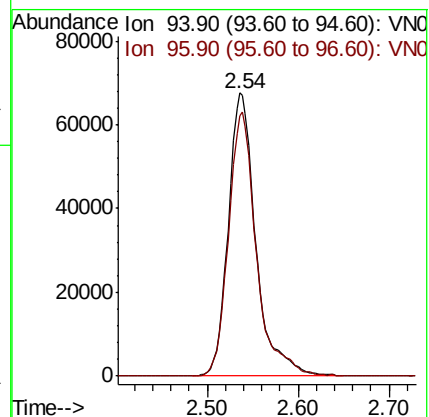
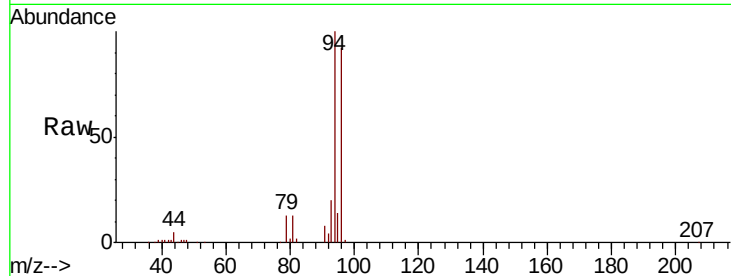
ClientSampleId :

Tot Ion: 94 Resp: 142466

Ion Ratio Lower Upper

94 100

96 92.1 74.5 111.7



#6

Chloroethane

Concen: 43.372 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059397.D

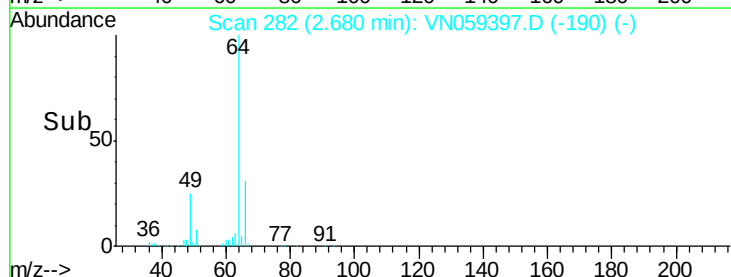
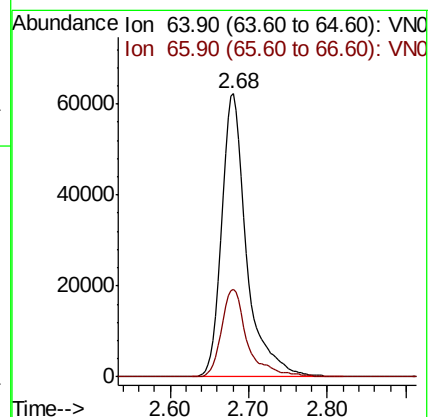
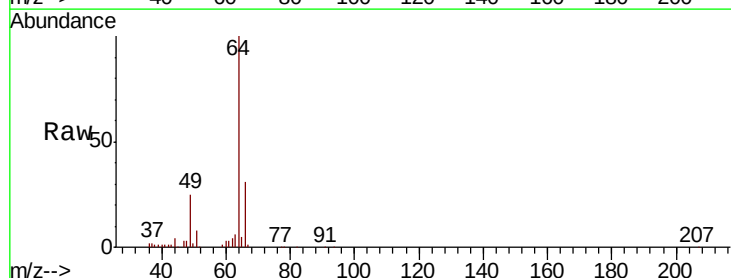
Acq: 25 Nov 2019 20:35

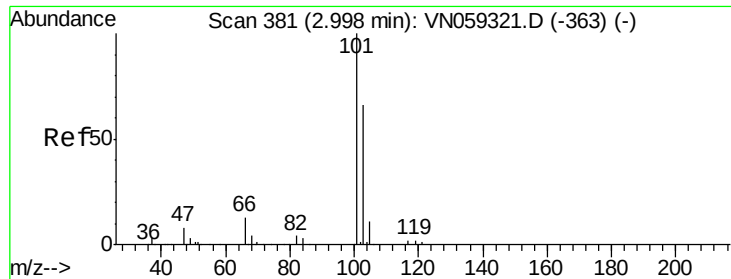
Tgt Ion: 64 Resp: 135978

Ion Ratio Lower Upper

64 100

66 30.8 26.2 39.2



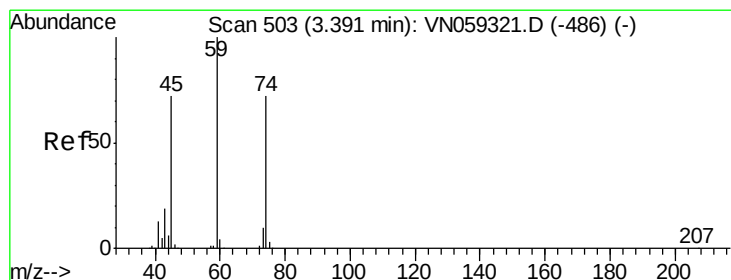
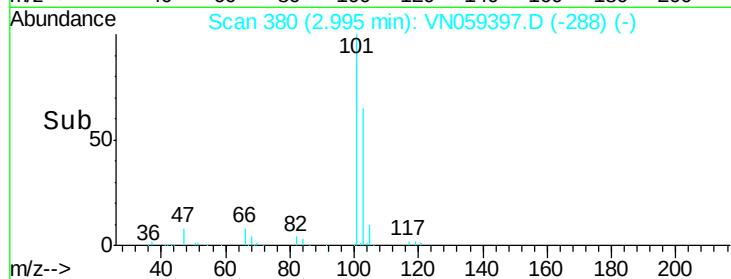
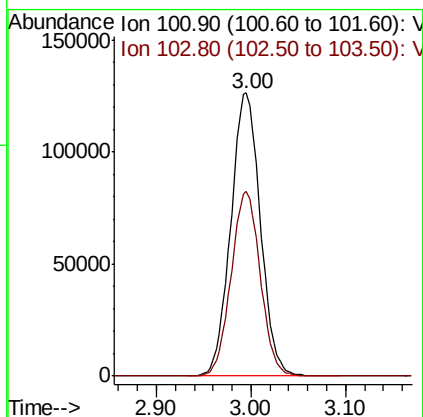
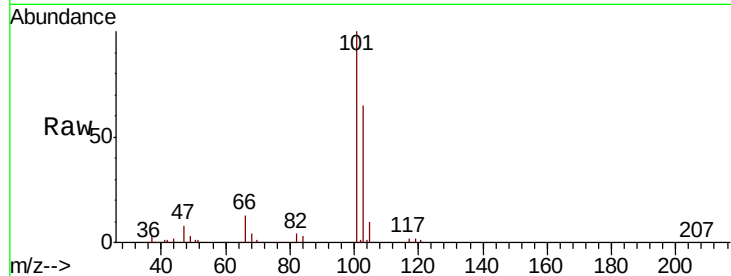


#7

Trichlorofluoromethane
Concen: 44.282 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampled :

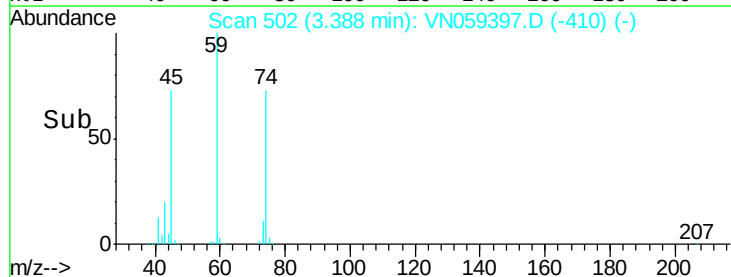
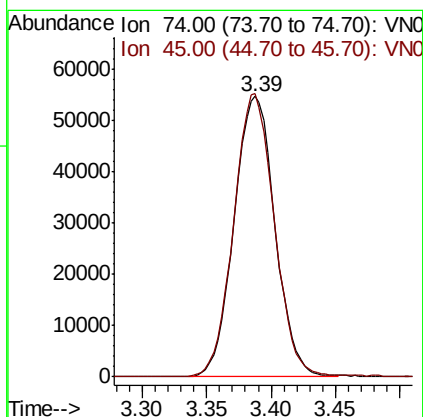
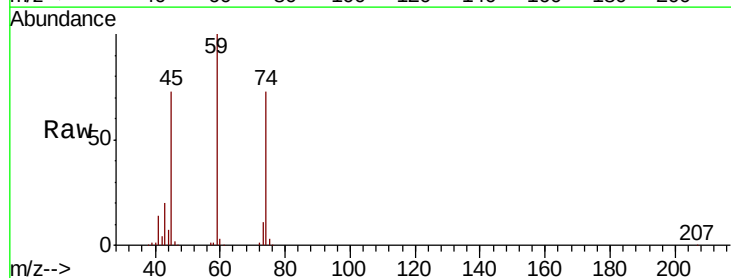
Tot Ion:101 Resp: 273928
Ion Ratio Lower Upper
101 100
103 65.3 52.5 78.7

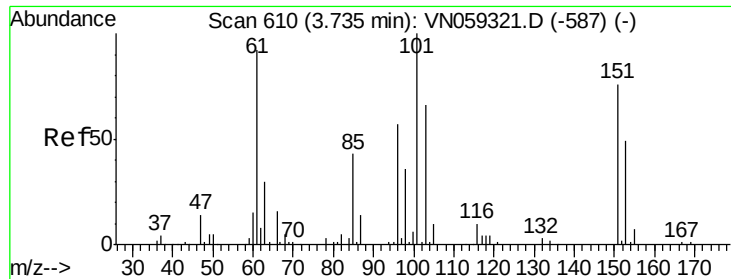


#8

Diethyl Ether
Concen: 47.774 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 74 Resp: 120819
Ion Ratio Lower Upper
74 100
45 100.6 51.7 155.2

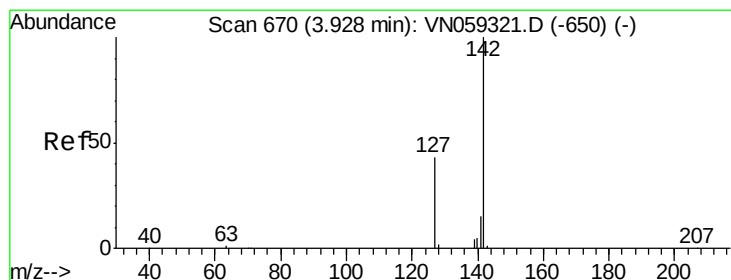
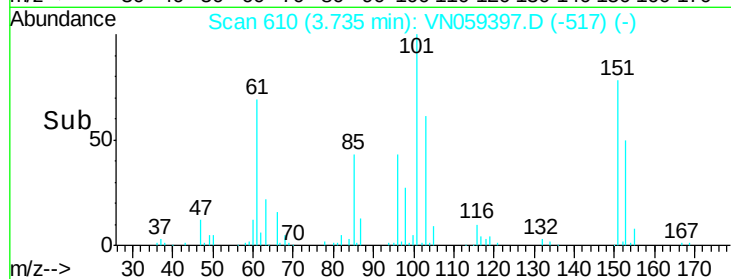
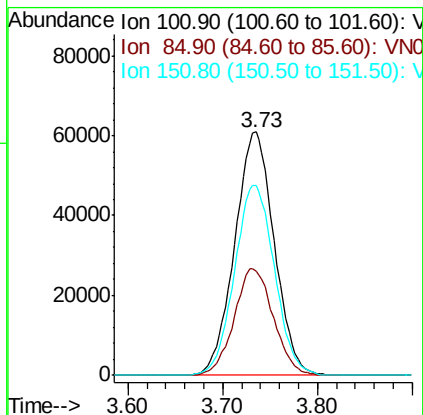
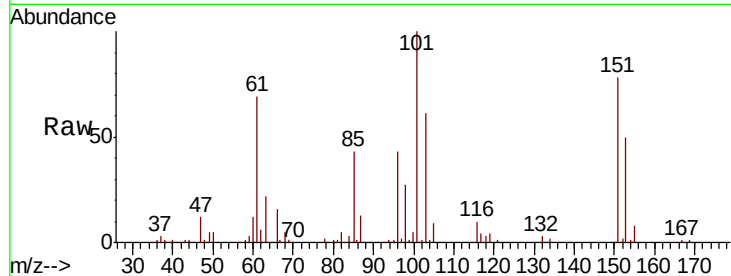




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.685 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

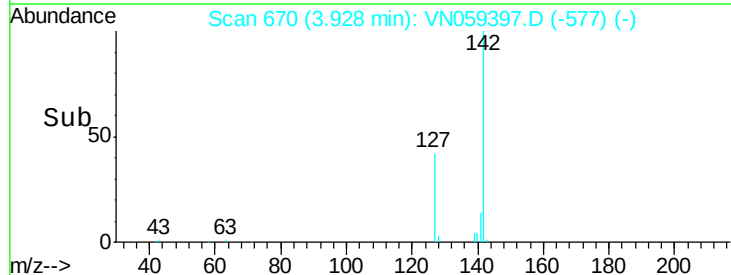
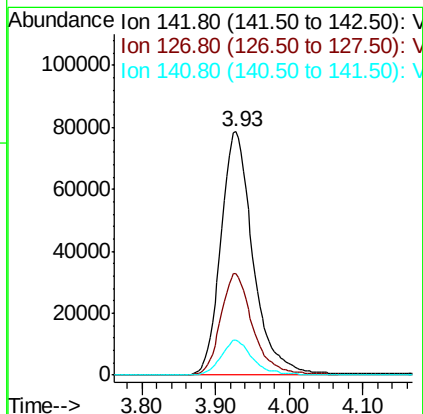
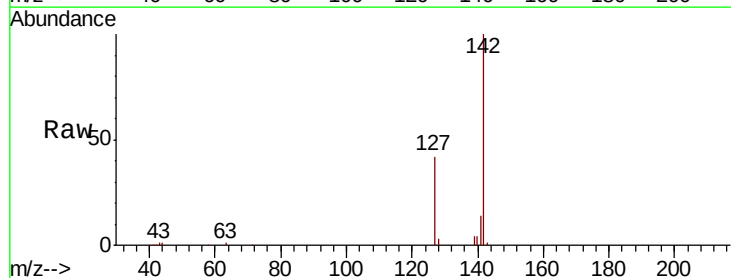
Instrument :
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 ClientSampled :

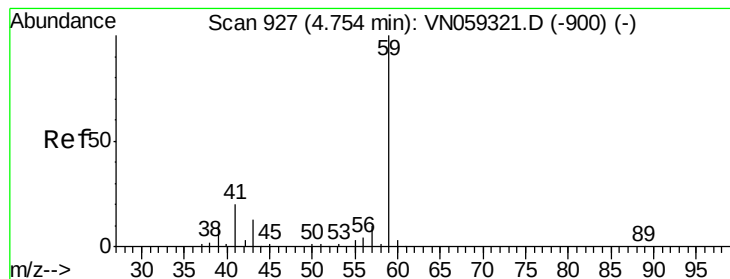
Tot Ion:101 Resp: 176592
 Ion Ratio Lower Upper
 101 100
 85 43.6 34.8 52.2
 151 79.2 62.2 93.4



#10
 Methyl Iodide
 Concen: 50.976 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion:142 Resp: 239644
 Ion Ratio Lower Upper
 142 100
 127 41.3 33.8 50.6
 141 14.0 11.2 16.8



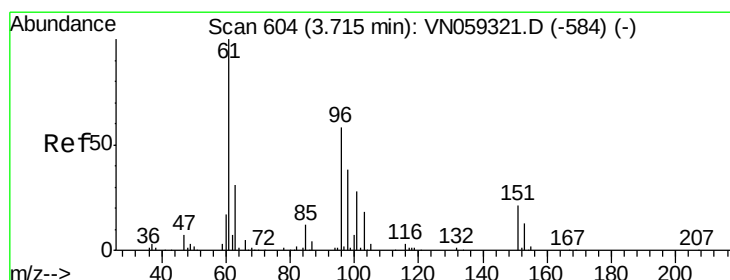
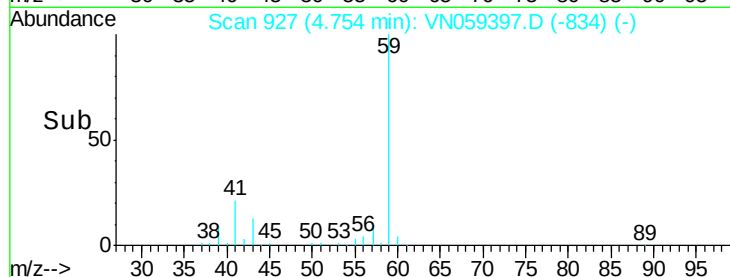
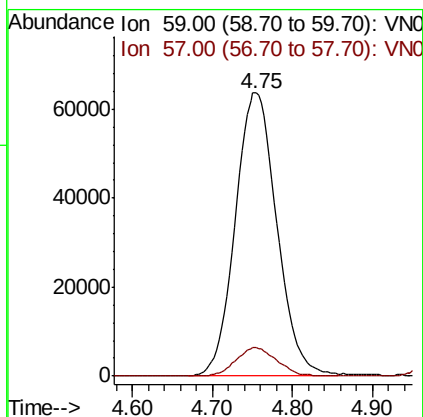
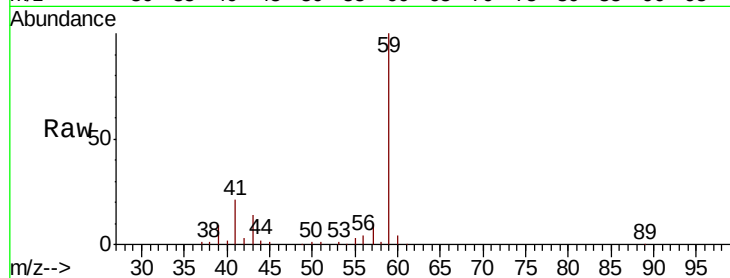


#11

Tert butyl alcohol
 Concen: 263.382 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampleId :

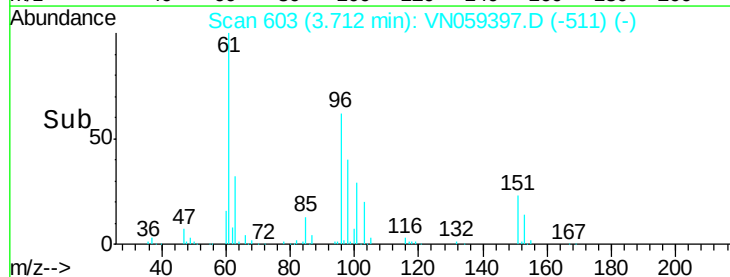
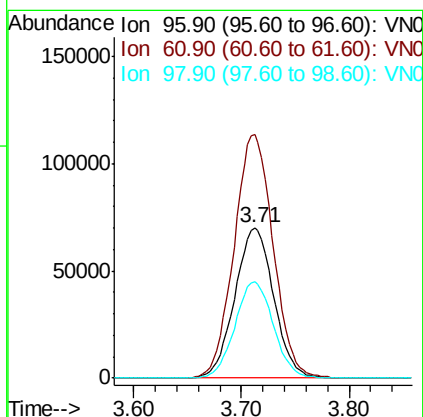
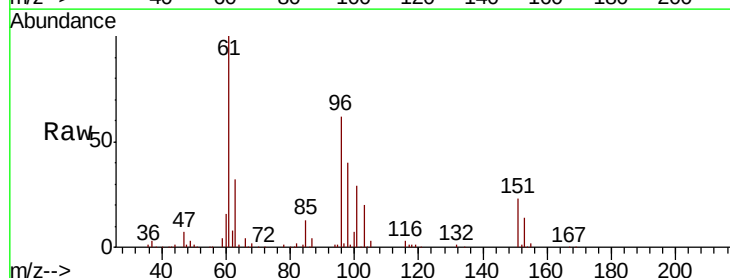
Tot Ion: 59 Resp: 225090
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.2

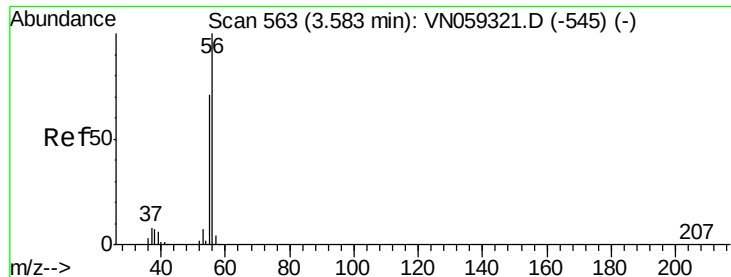


#12

1,1-Dichloroethene
 Concen: 45.630 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion: 96 Resp: 175200
 Ion Ratio Lower Upper
 96 100
 61 161.7 136.8 205.2
 98 64.0 51.6 77.4

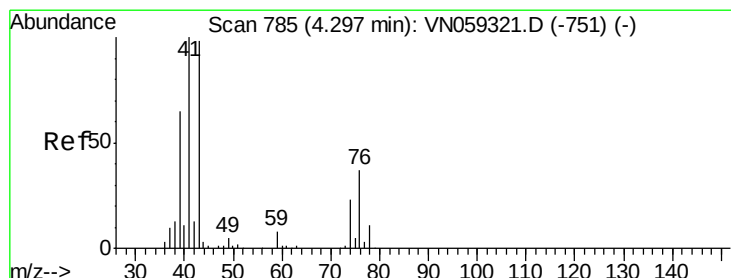
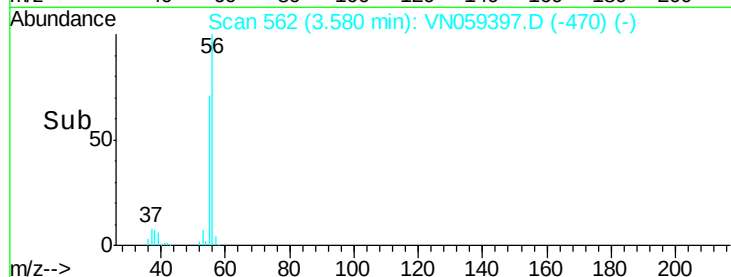
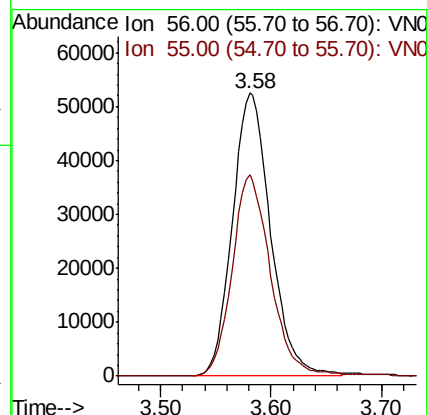
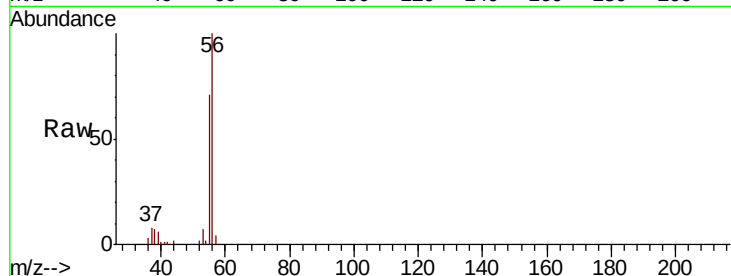




#13
Acrolein
Concen: 161.507 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

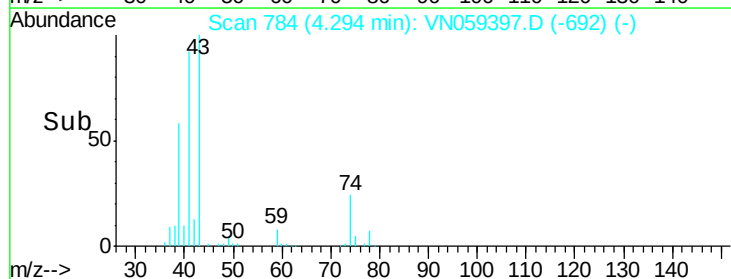
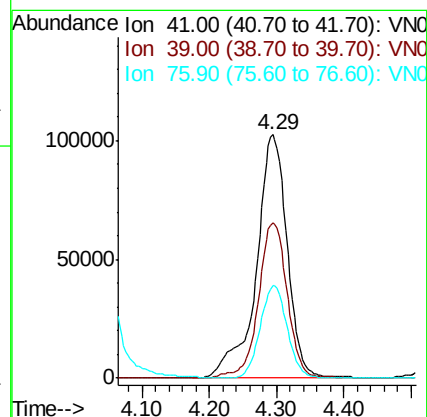
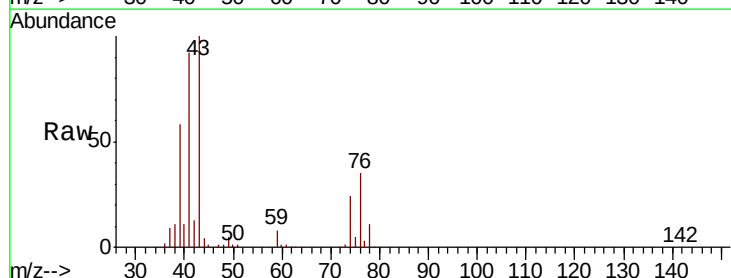
Instrument :
MSVOA_N
ClientSampled :

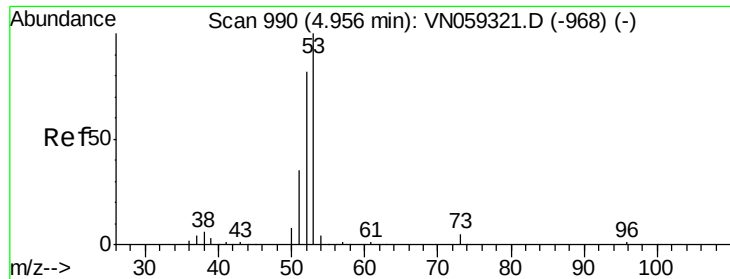
Tot Ion: 56 Resp: 125996
Ion Ratio Lower Upper
56 100
55 71.7 57.4 86.0



#14
Allyl chloride
Concen: 45.715 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 41 Resp: 327906
Ion Ratio Lower Upper
41 100
39 59.3 48.4 72.6
76 32.7 26.2 39.4





#15

Acrylonitrile

Concen: 244.686 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

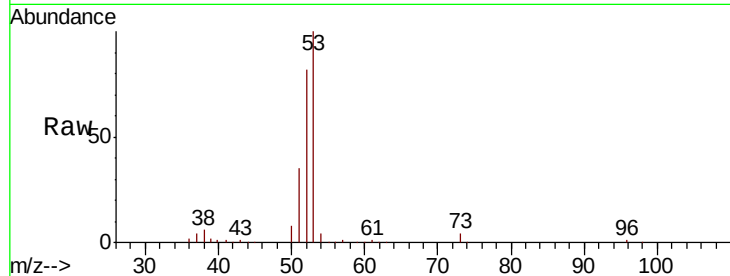
Tot Ion: 53 Resp: 552893

Ion Ratio Lower Upper

53 100

52 81.9 65.8 98.8

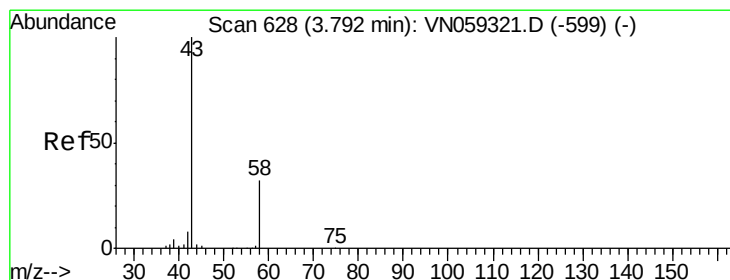
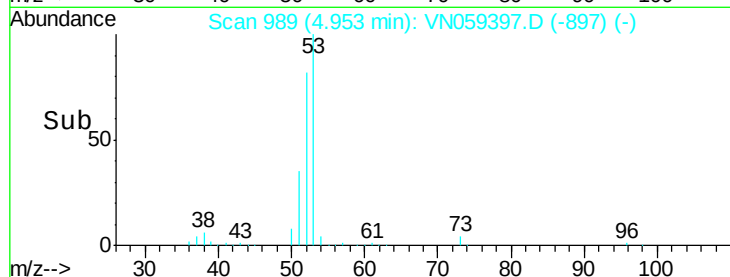
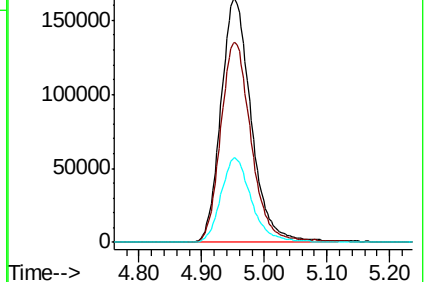
51 35.2 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN059321.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN059321.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN059321.D (-968) (-)



#16

Acetone

Concen: 264.867 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059397.D

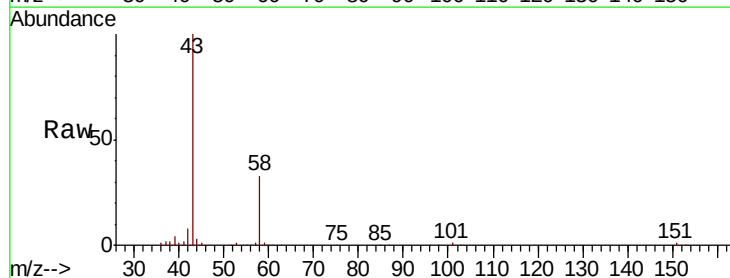
Acq: 25 Nov 2019 20:35

Tgt Ion: 43 Resp: 506933

Ion Ratio Lower Upper

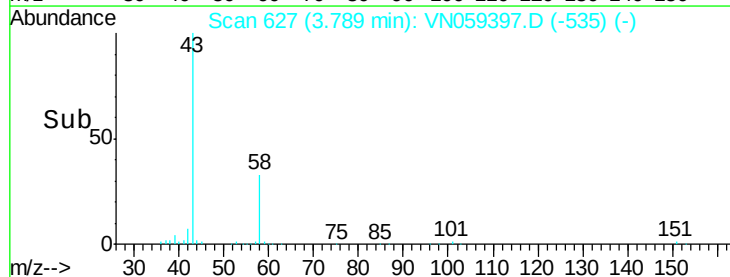
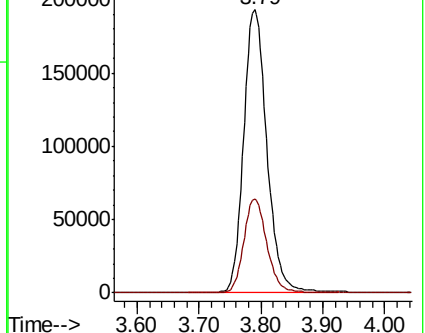
43 100

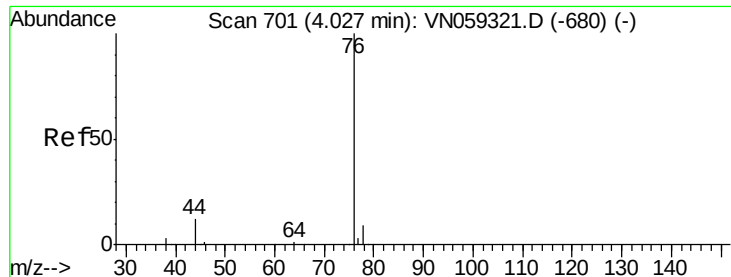
58 33.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-599) (-)





#17

Carbon Disulfide

Concen: 43.690 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

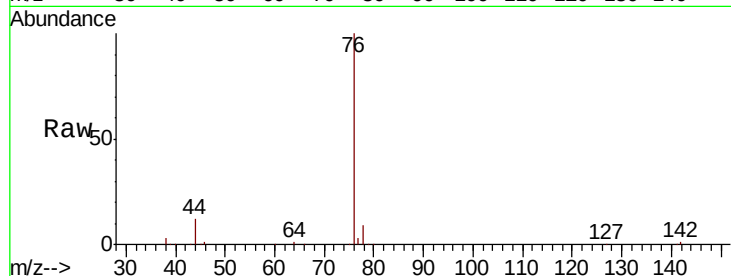
ClientSampleId :

Tot Ion: 76 Resp: 52526

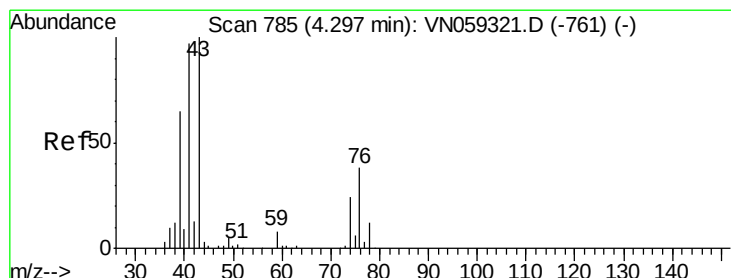
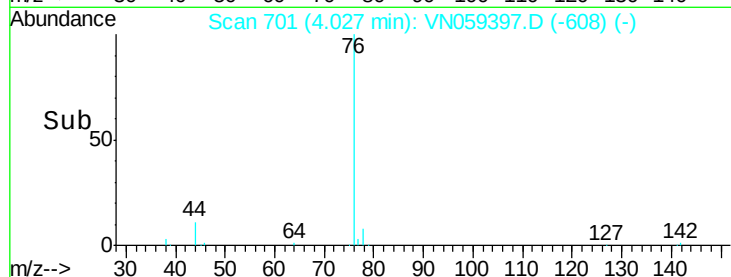
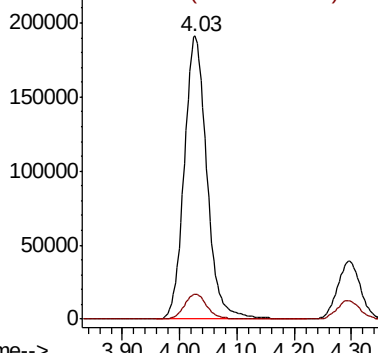
Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 49.804 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059397.D

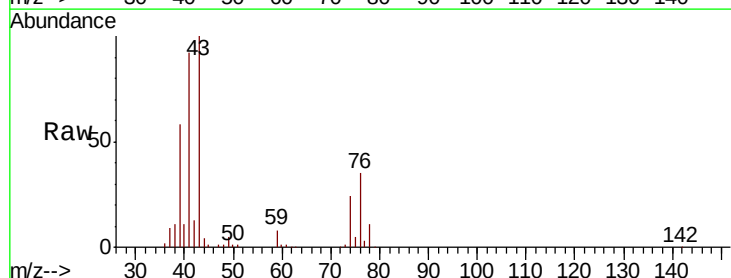
Acq: 25 Nov 2019 20:35

Tgt Ion: 43 Resp: 316343

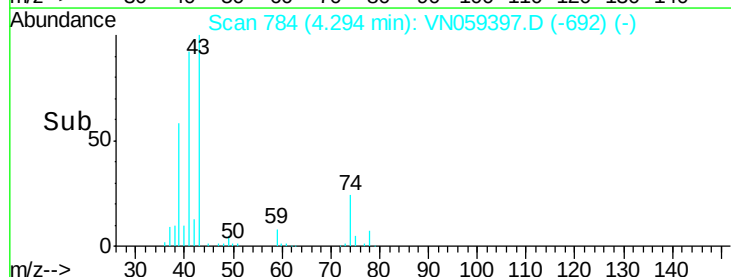
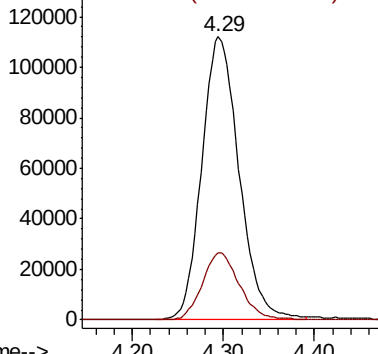
Ion Ratio Lower Upper

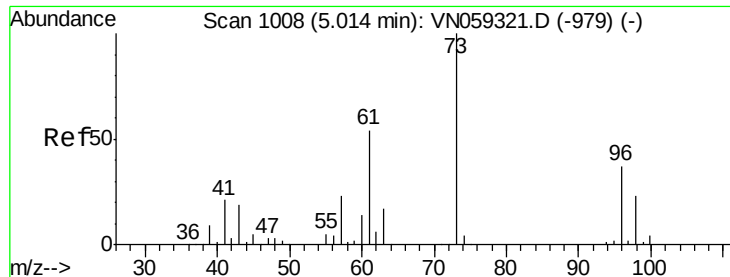
43 100

74 23.7 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

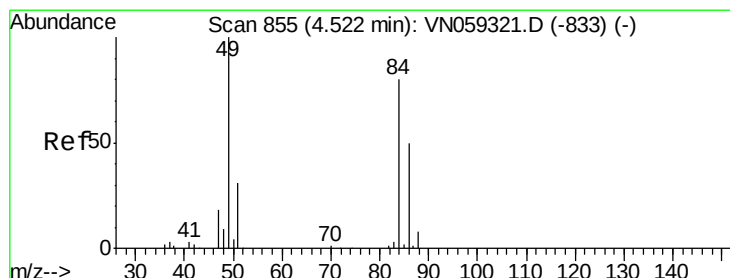
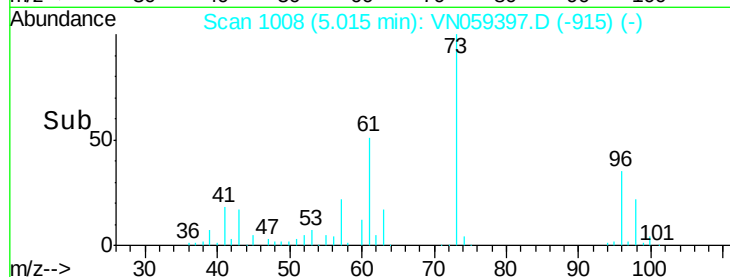
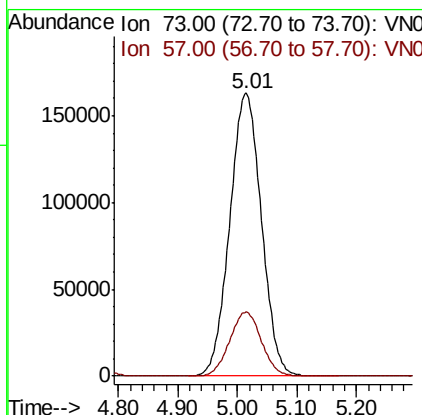
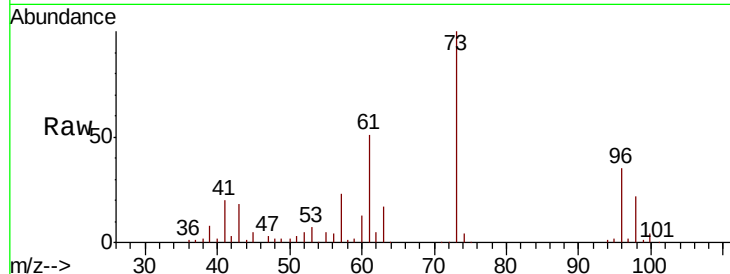




#19
Methyl tert-butyl Ether
Concen: 48.640 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

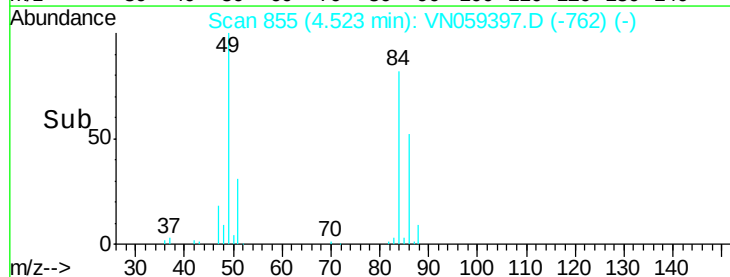
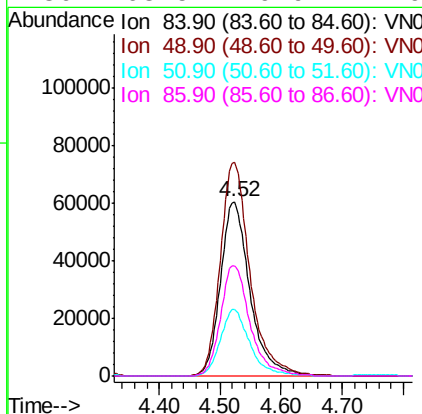
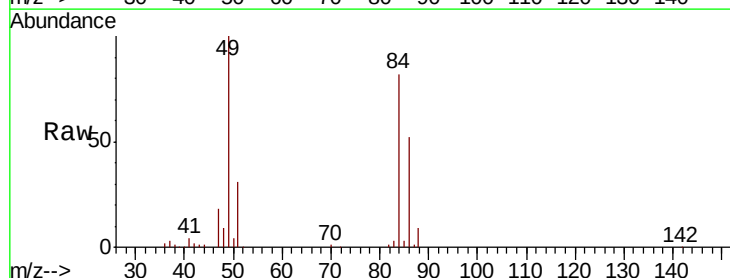
Instrument :
MSVOA_N
ClientSampled :

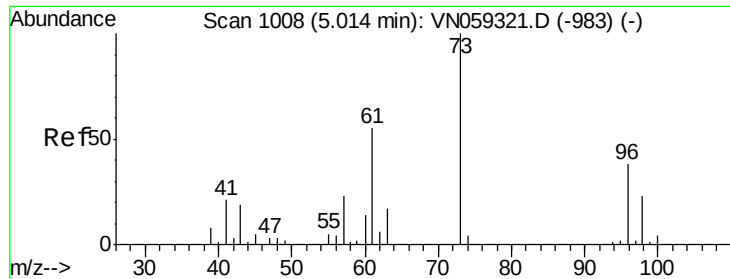
Tot Ion: 73 Resp: 603207
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6



#20
Methylene Chloride
Concen: 46.943 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 84 Resp: 202632
Ion Ratio Lower Upper
84 100
49 122.5 99.5 149.3
51 38.5 31.1 46.7
86 63.5 49.9 74.9

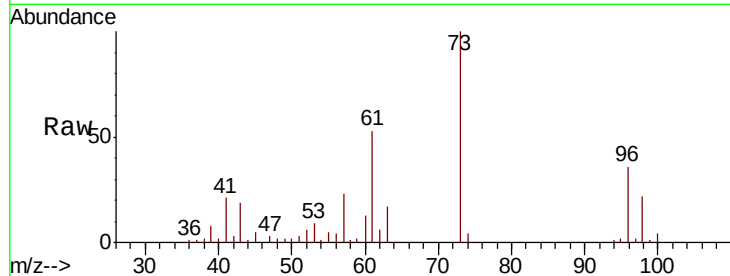




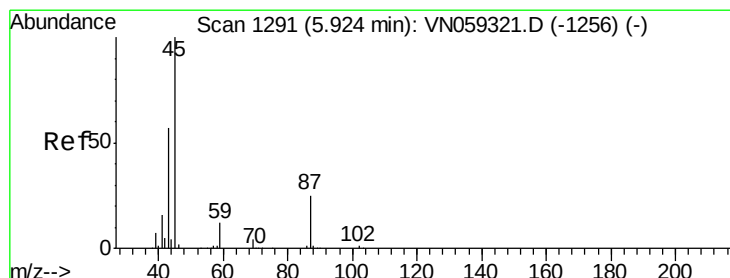
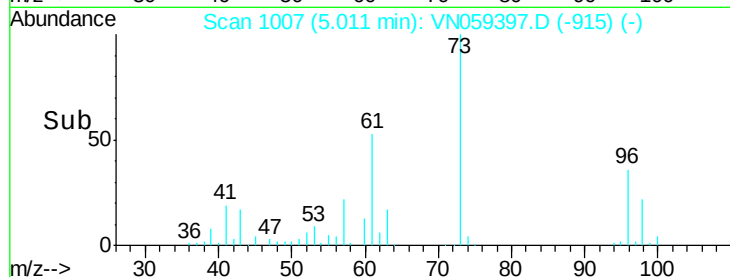
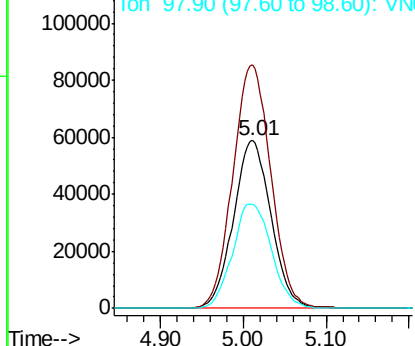
#21
trans-1,2-Dichloroethene
Concen: 45.689 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 185922
Ion Ratio Lower Upper
96 100
61 145.1 116.4 174.6
98 62.1 49.6 74.4

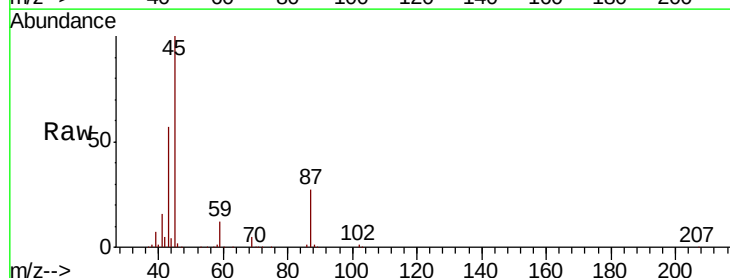


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

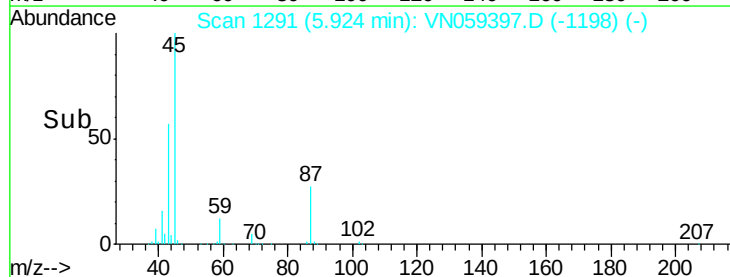
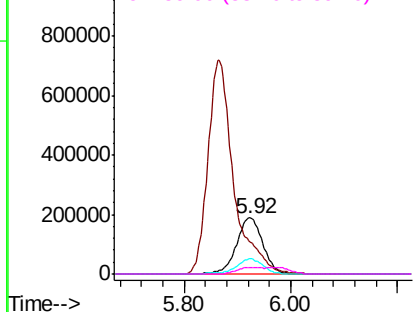


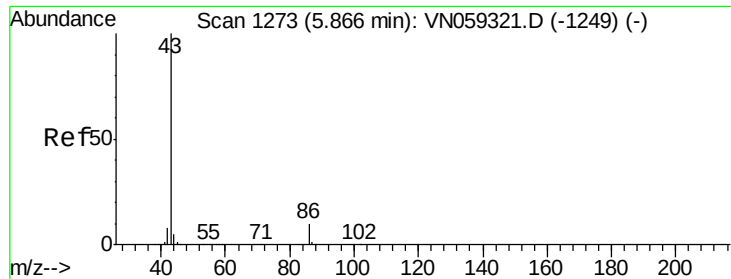
#22
Diisopropyl ether
Concen: 47.682 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 45 Resp: 643958
Ion Ratio Lower Upper
45 100
43 56.2 47.6 71.4
87 26.9 20.7 31.1
59 12.2 9.4 14.2



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: 226.999 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

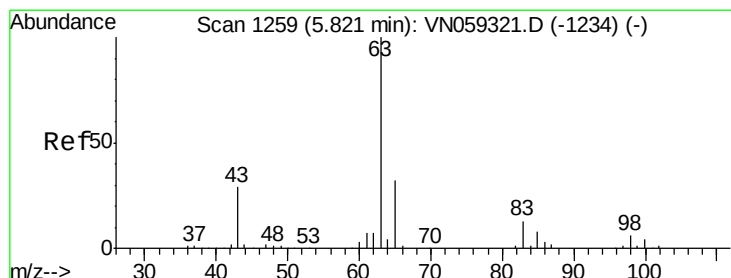
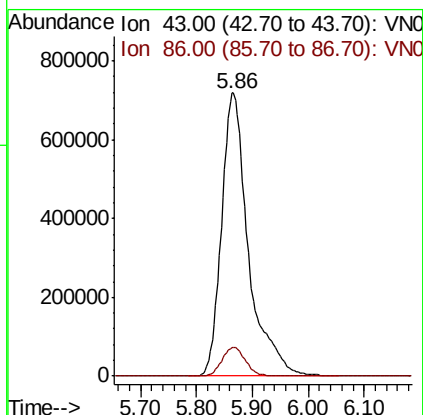
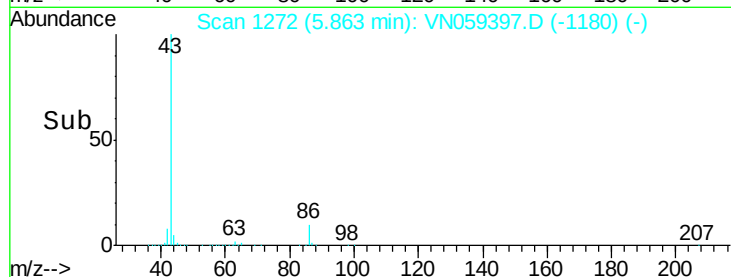
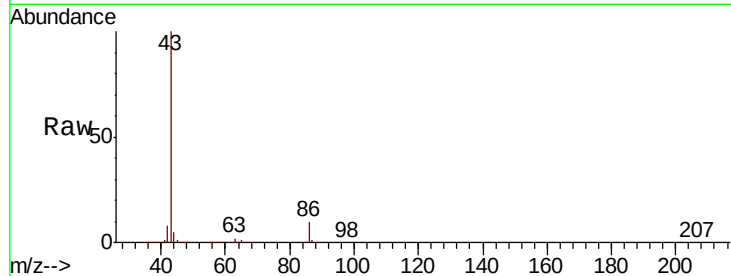
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2410754

Ion Ratio Lower Upper

43 100

86 10.1 8.0 12.0



#24

1,1-Dichloroethane

Concen: 47.105 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

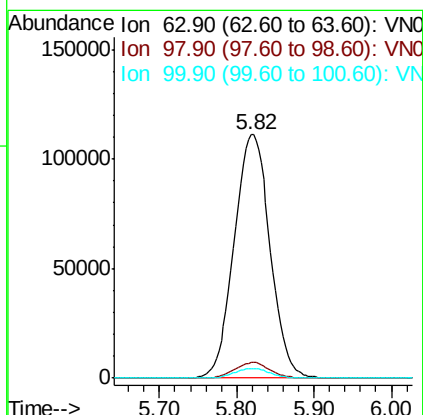
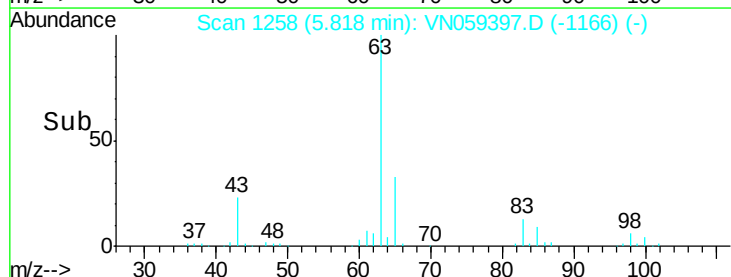
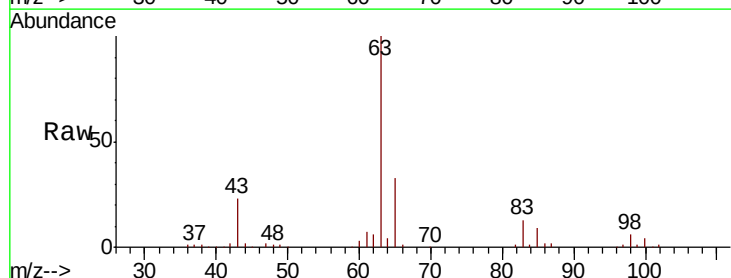
Tgt Ion: 63 Resp: 358076

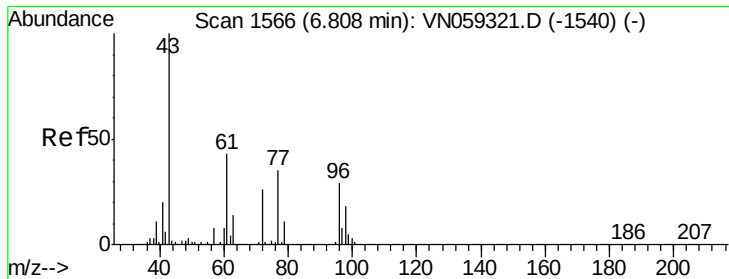
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 4.0 1.9 5.7





#25

2-Butanone

Concen: 253.296 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

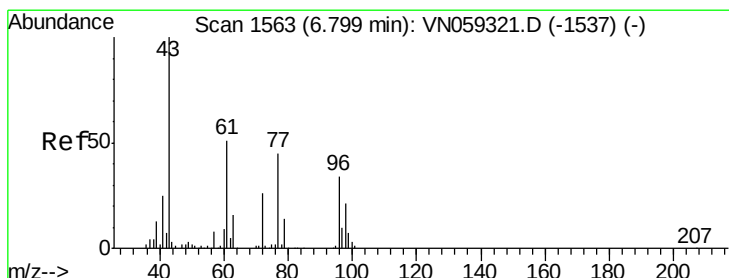
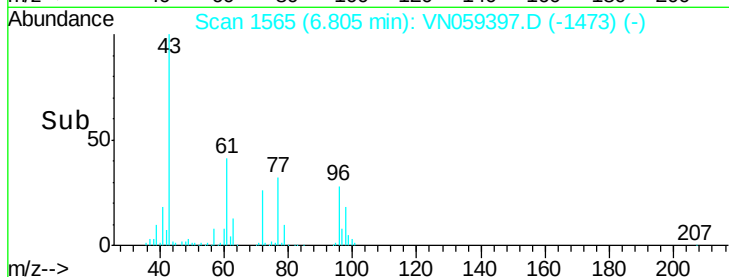
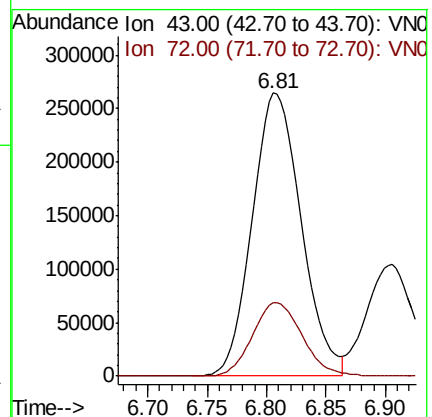
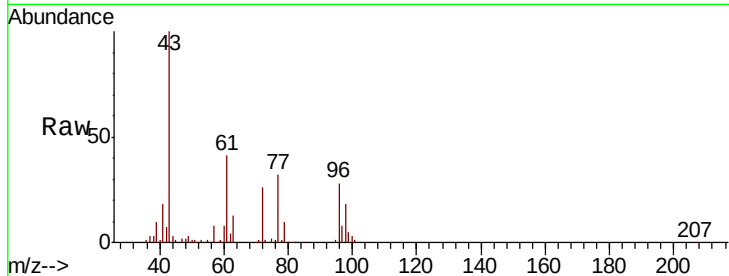
ClientSampled :

Tot Ion: 43 Resp: 753841

Ion Ratio Lower Upper

43 100

72 25.8 20.5 30.7



#26

2,2-Dichloropropane

Concen: 44.404 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059397.D

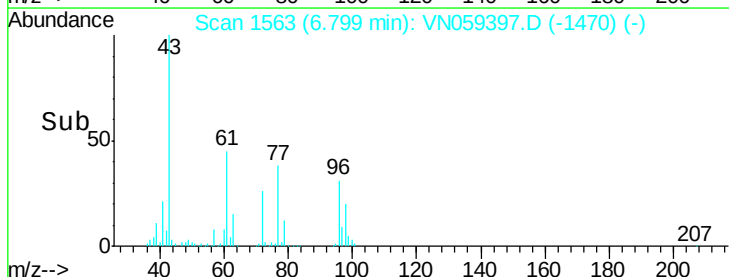
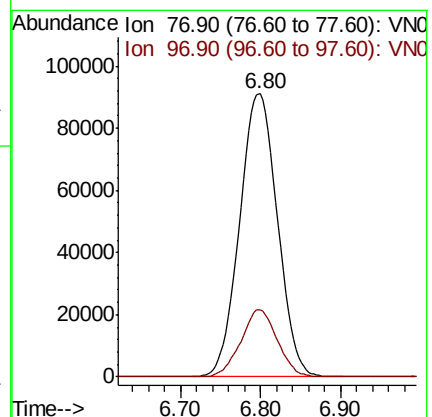
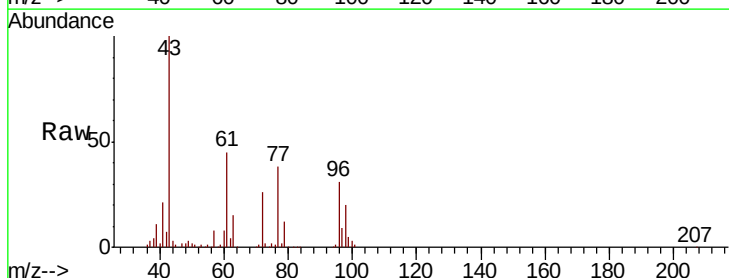
Acq: 25 Nov 2019 20:35

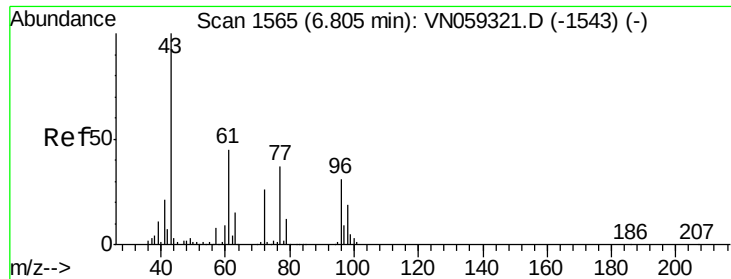
Tgt Ion: 77 Resp: 292277

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 47.023 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :

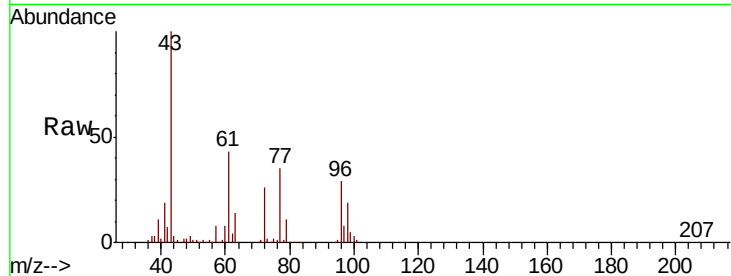
Tot Ion: 96 Resp: 215894

Ion Ratio Lower Upper

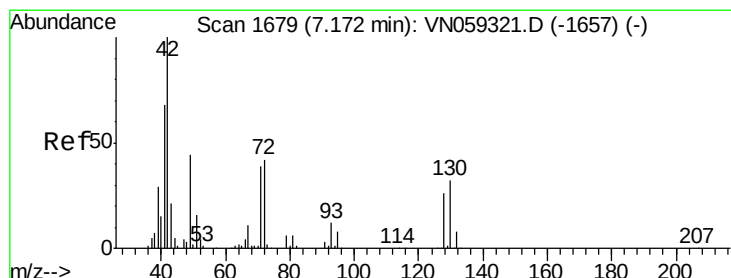
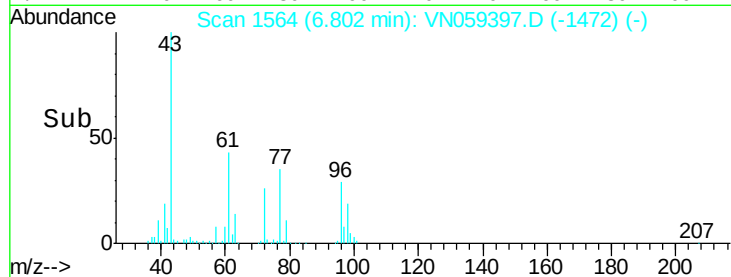
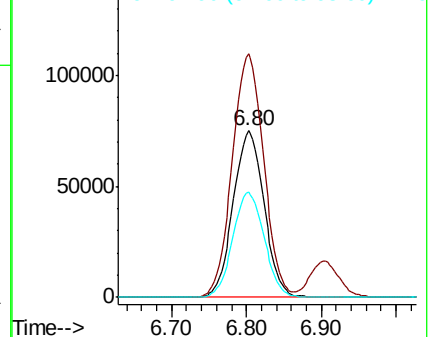
96 100

61 148.4 0.0 304.0

98 64.1 0.0 128.4



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



#28

Bromochloromethane

Concen: 47.018 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

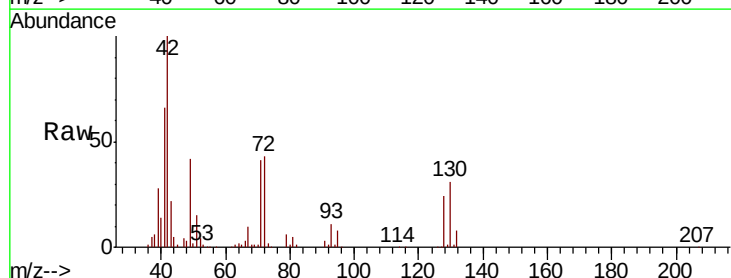
Tgt Ion: 49 Resp: 145133

Ion Ratio Lower Upper

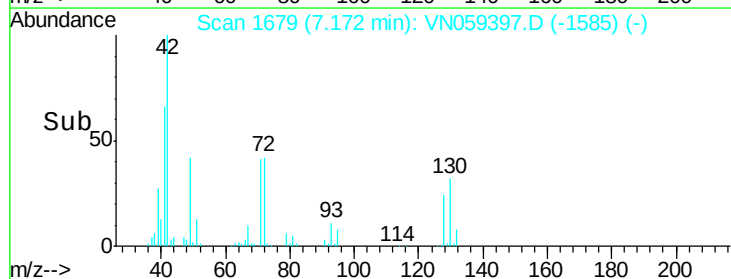
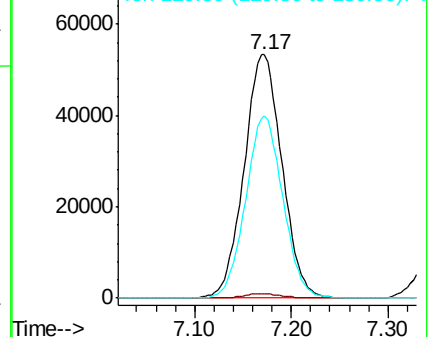
49 100

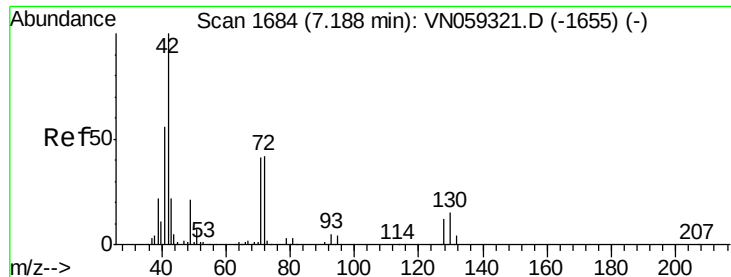
129 1.7 0.0 3.8

130 73.4 57.0 85.6



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: 243.038 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampled :

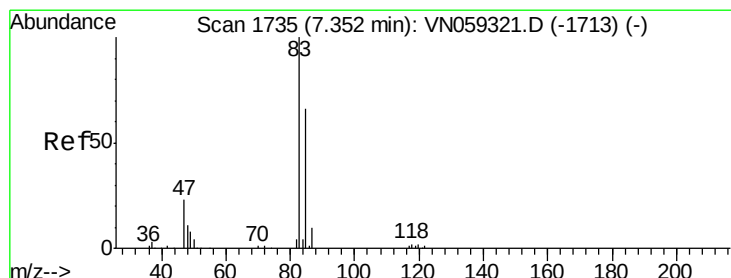
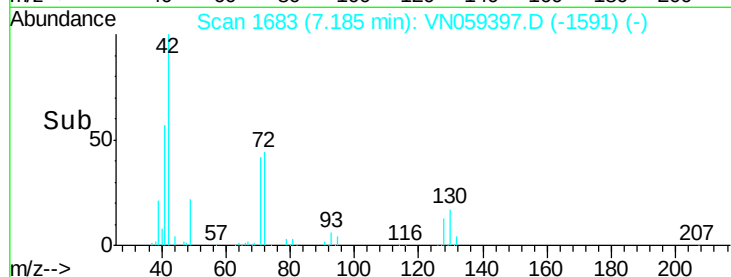
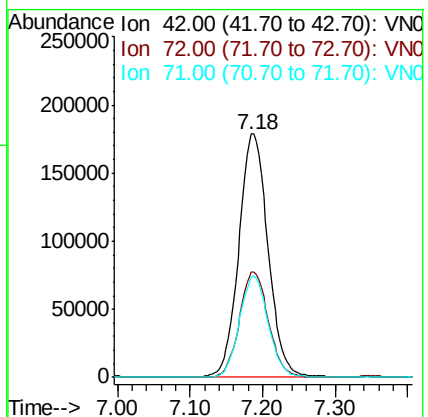
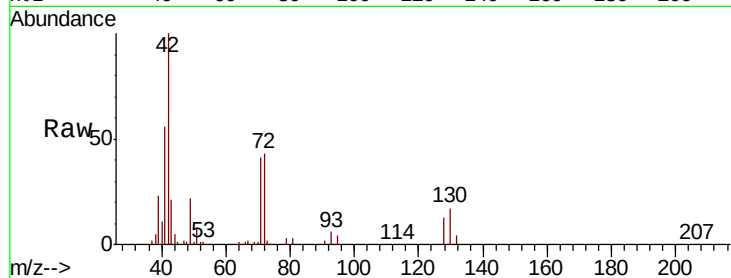
Tot Ion: 42 Resp: 500143

Ion Ratio Lower Upper

42 100

72 43.2 34.2 51.2

71 41.0 32.6 48.8



#30

Chloroform

Concen: 46.448 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059397.D

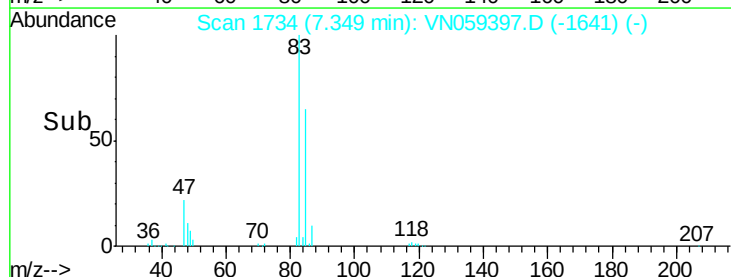
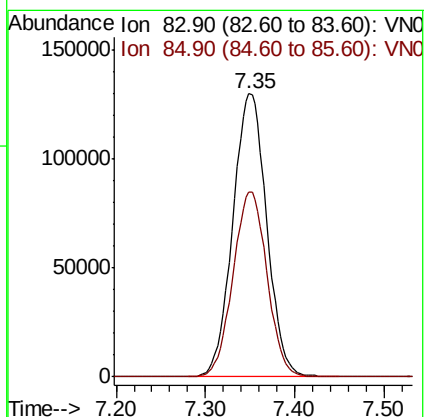
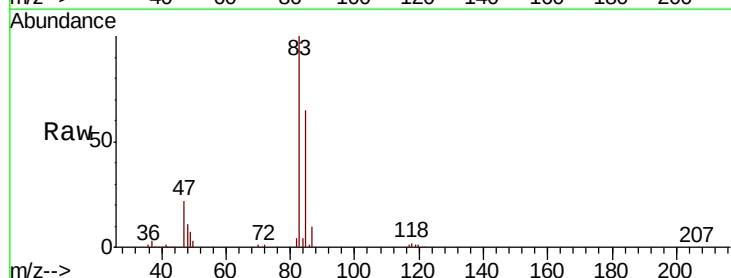
Acq: 25 Nov 2019 20:35

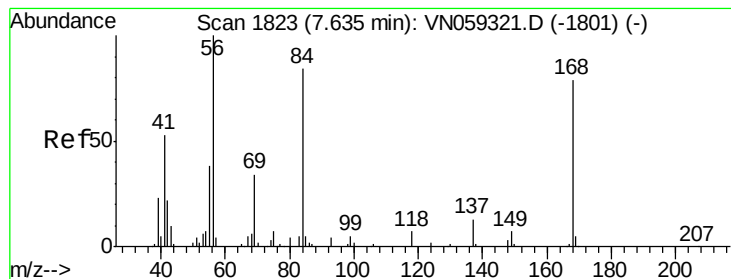
Tgt Ion: 83 Resp: 342699

Ion Ratio Lower Upper

83 100

85 65.3 52.7 79.1





#31

Cyclohexane

Concen: 44.116 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampled :

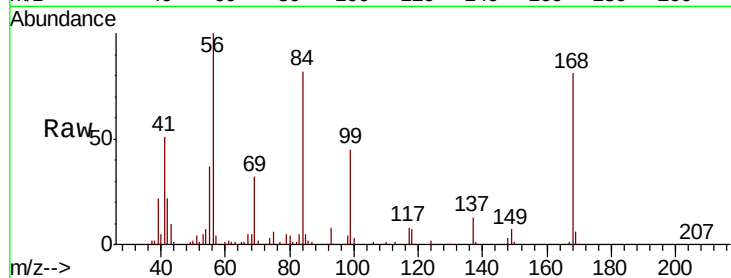
Tot Ion: 56 Resp: 331575

Ion Ratio Lower Upper

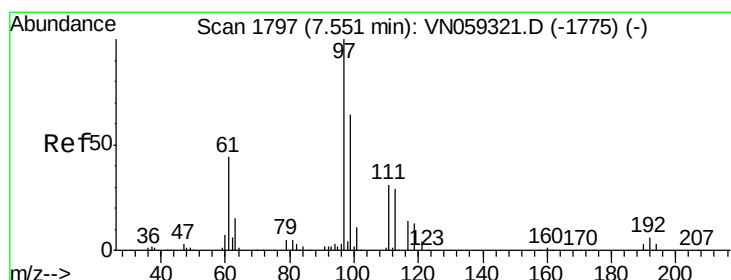
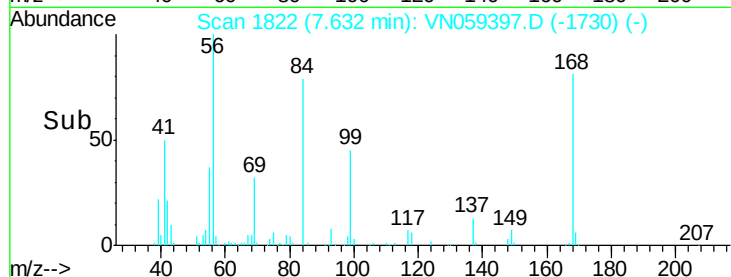
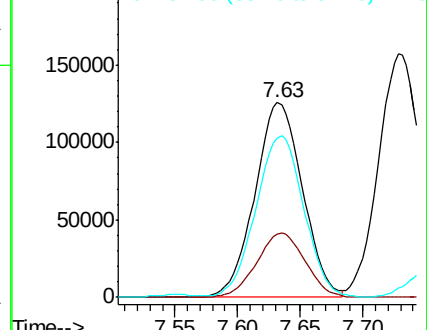
56 100

69 32.5 26.6 40.0

84 81.0 67.0 100.4



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: 47.302 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

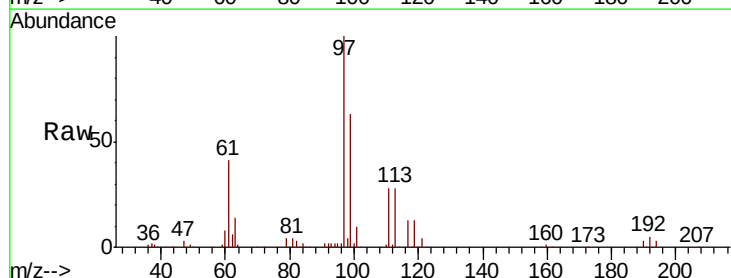
Tgt Ion: 97 Resp: 299804

Ion Ratio Lower Upper

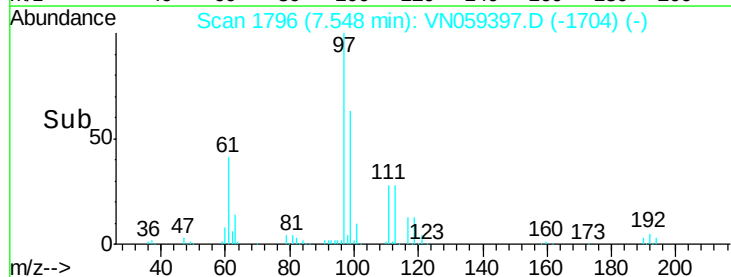
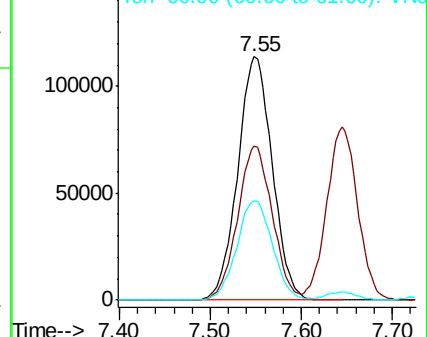
97 100

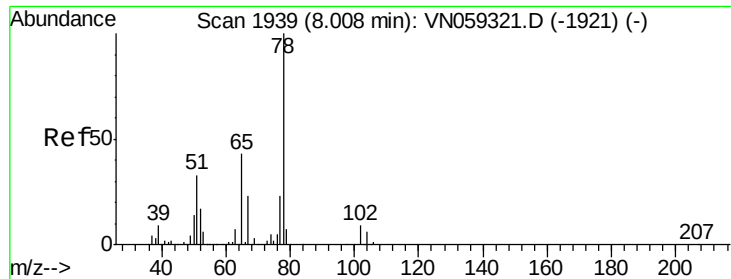
99 63.5 51.3 76.9

61 42.1 35.3 52.9



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

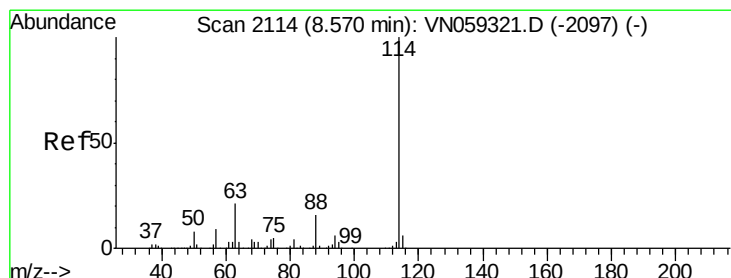
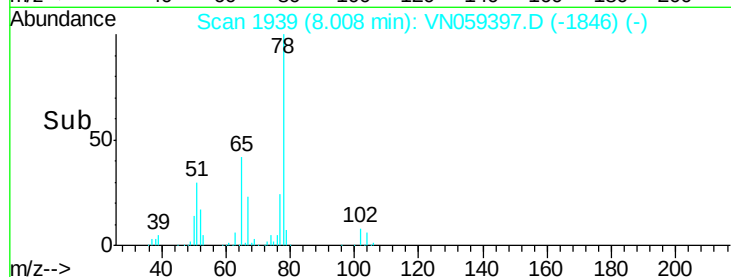
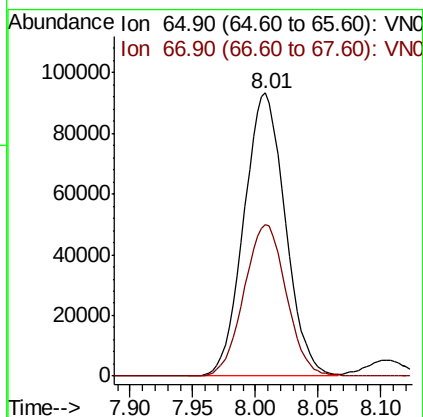
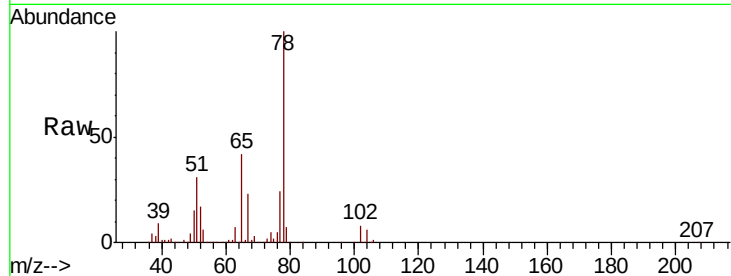




#33
 1,2-Dichloroethane-d4
 Concen: 50.209 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

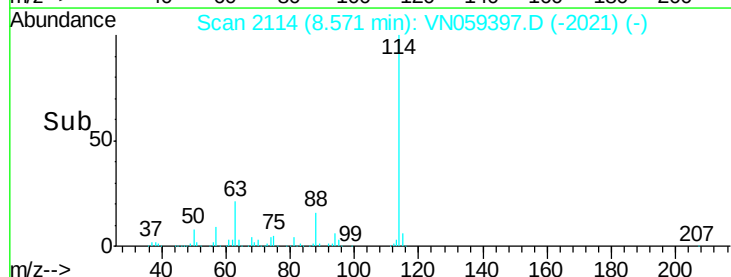
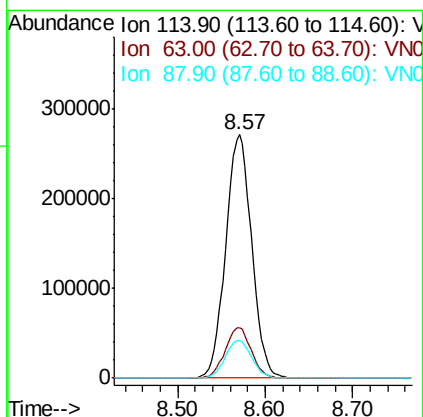
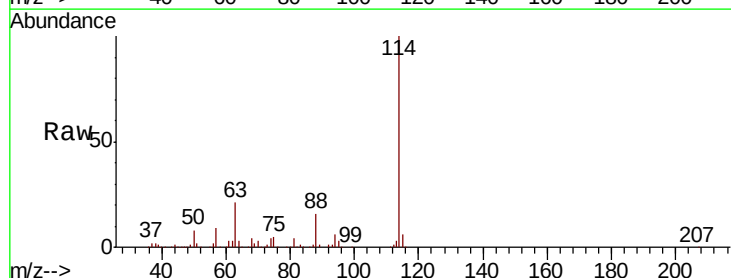
Instrument :
 MSVOA_N
 ClientSampled :

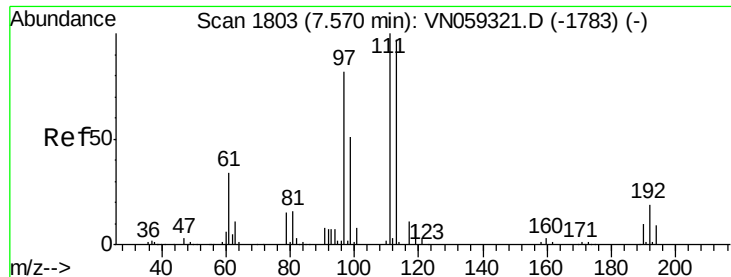
Tot Ion: 65 Resp: 214316
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion: 114 Resp: 559639
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.2
 88 15.5 0.0 32.2

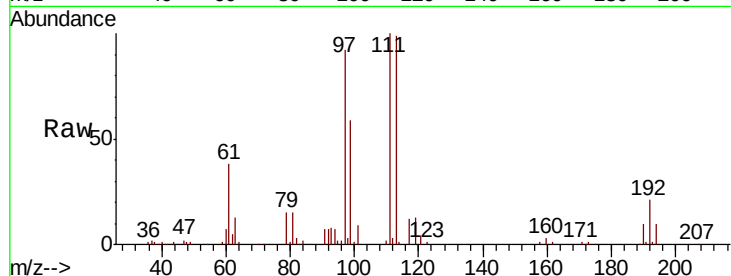




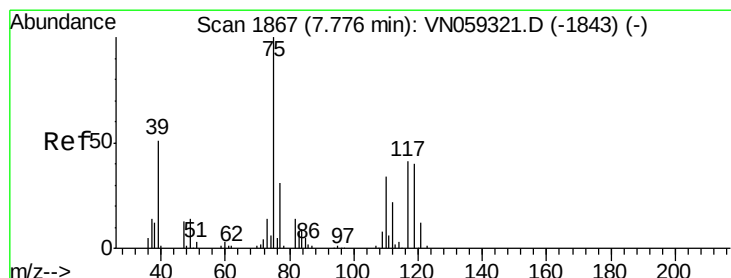
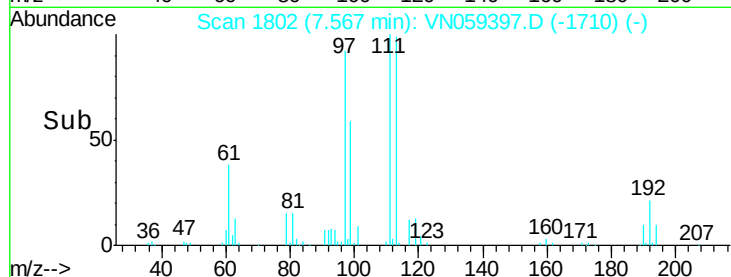
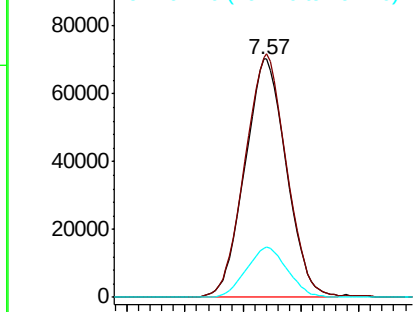
#35
Dibromofluoromethane
Concen: 52.111 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 174963
Ion Ratio Lower Upper
113 100
111 102.0 82.7 124.1
192 20.8 16.3 24.5

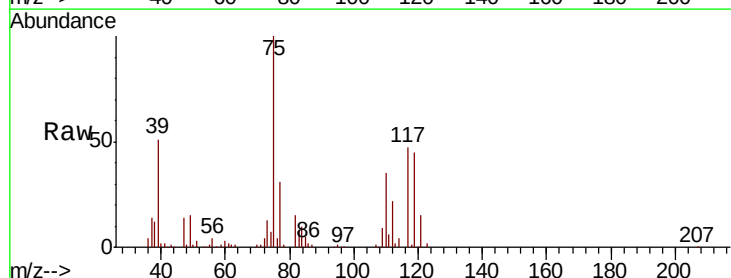


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

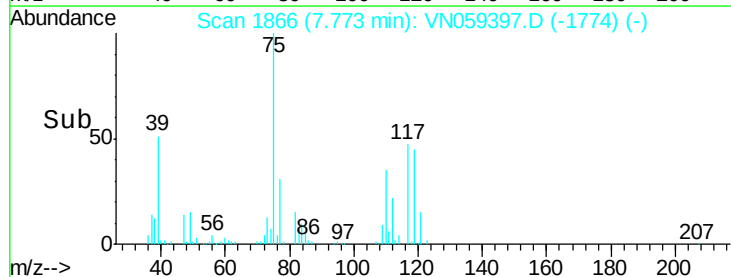
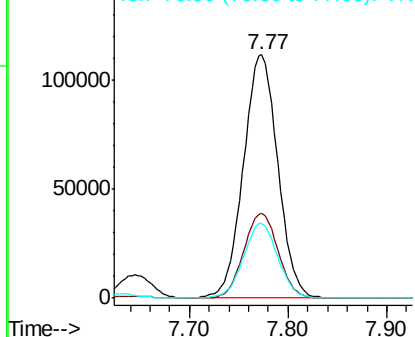


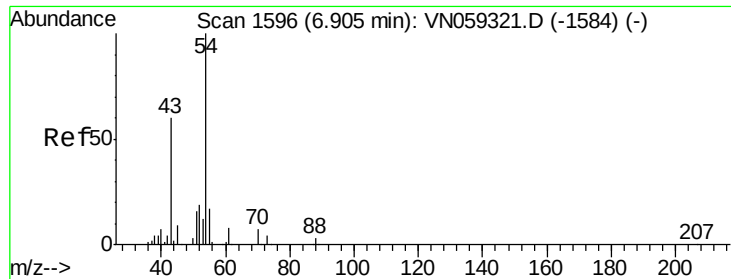
#36
1,1-Dichloropropene
Concen: 46.405 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 75 Resp: 268100
Ion Ratio Lower Upper
75 100
110 34.9 17.0 51.0
77 31.2 24.8 37.2



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

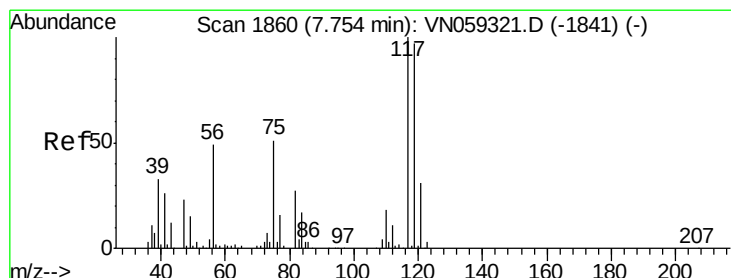
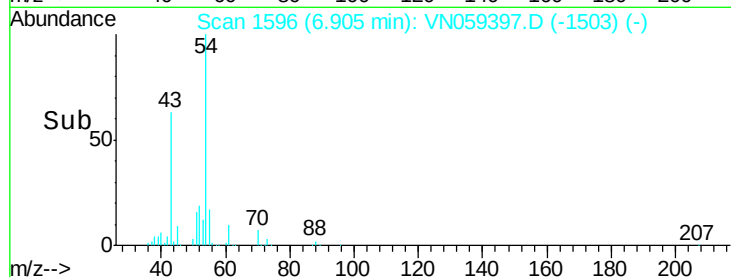
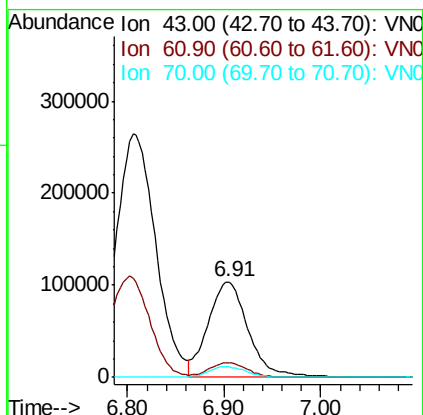
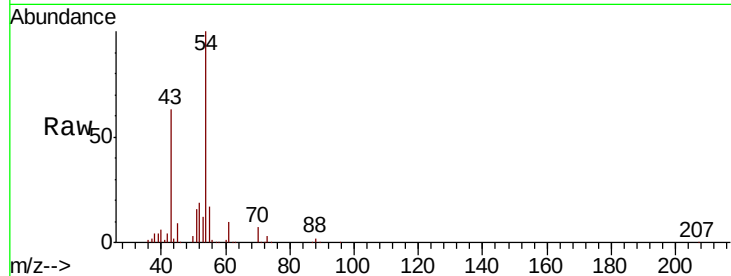




#37
Ethyl Acetate
Concen: 47.281 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

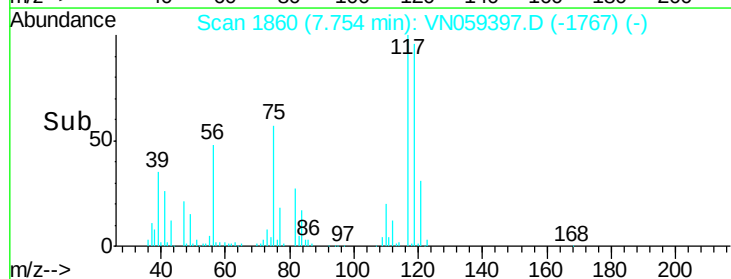
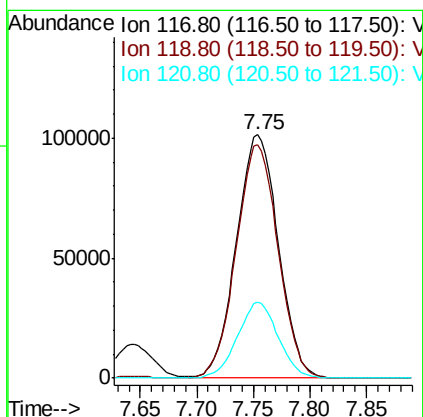
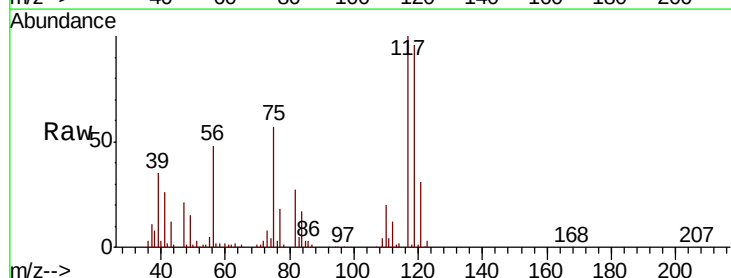
Instrument :
MSVOA_N
ClientSampleId :

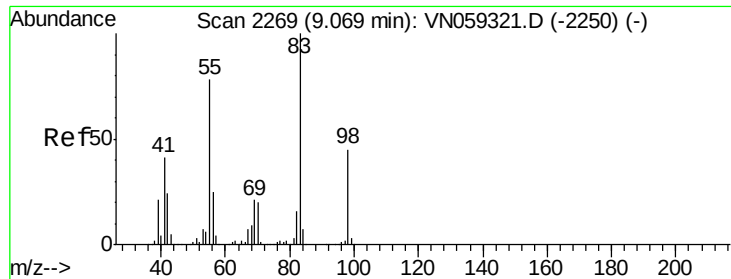
Tot Ion: 43 Resp: 293576
Ion Ratio Lower Upper
43 100
61 15.2 11.0 16.6
70 10.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 47.330 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 117 Resp: 261777
Ion Ratio Lower Upper
117 100
119 95.9 77.0 115.4
121 31.3 24.4 36.6

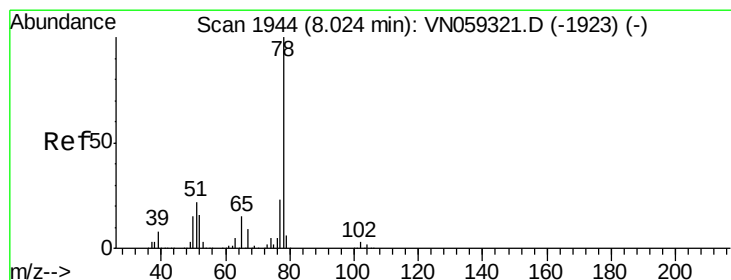
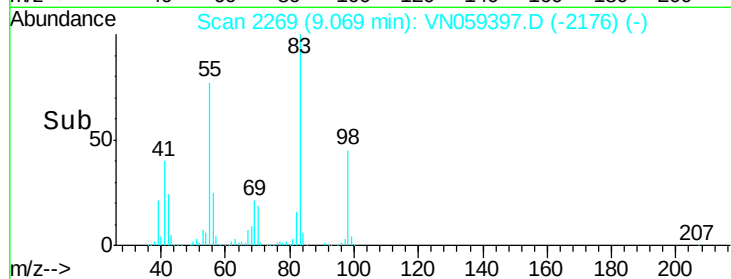
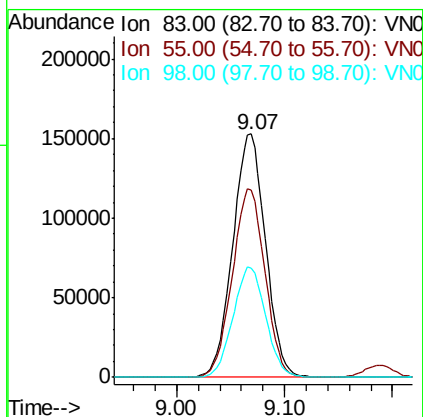
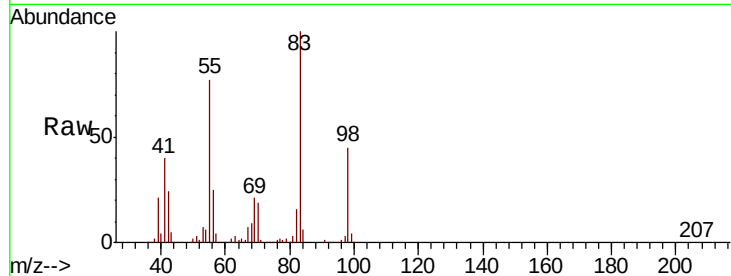




#39
Methylvlcyclohexane
Concen: 46.408 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

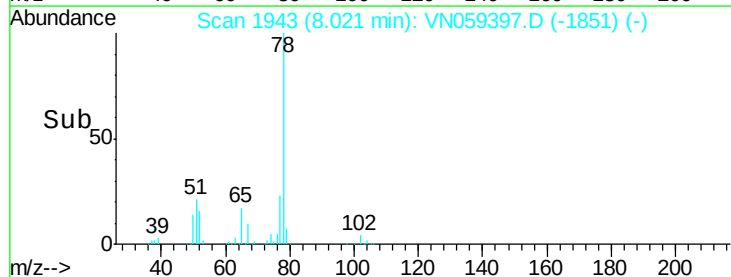
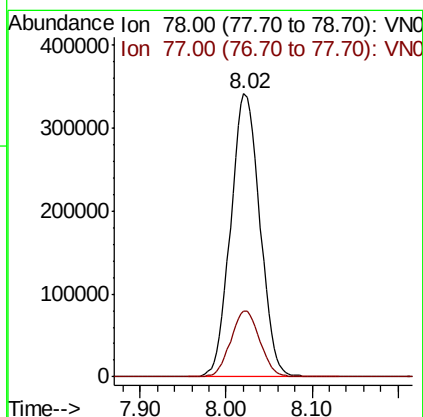
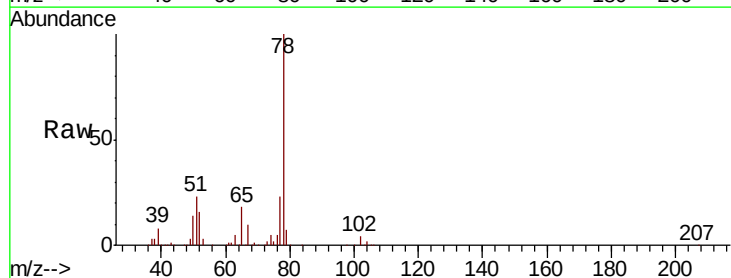
Instrument :
MSVOA_N
ClientSampled :

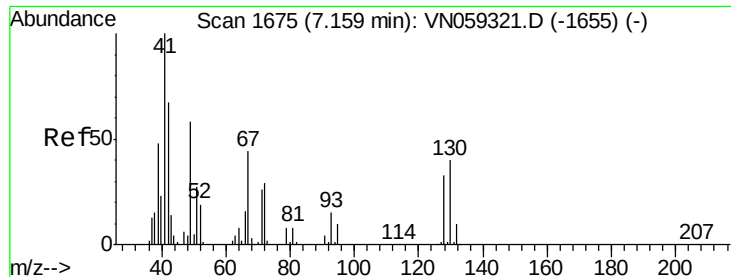
Tot Ion: 83 Resp: 323310
Ion Ratio Lower Upper
83 100
55 76.8 62.3 93.5
98 44.9 36.0 54.0



#40
Benzene
Concen: 47.516 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 78 Resp: 805716
Ion Ratio Lower Upper
78 100
77 23.3 18.4 27.6

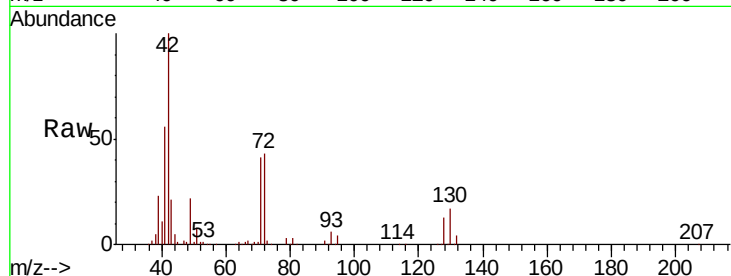




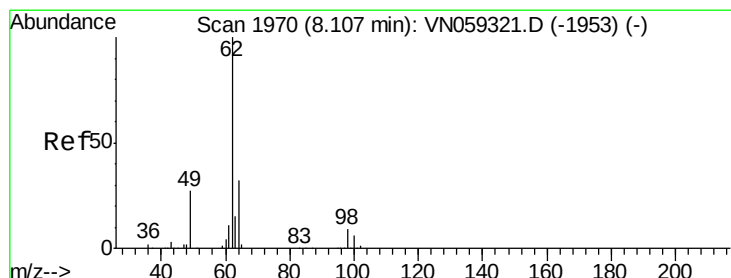
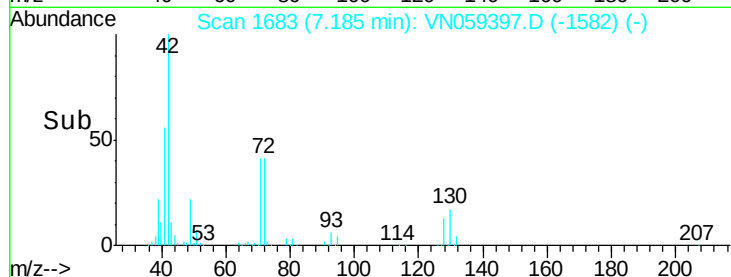
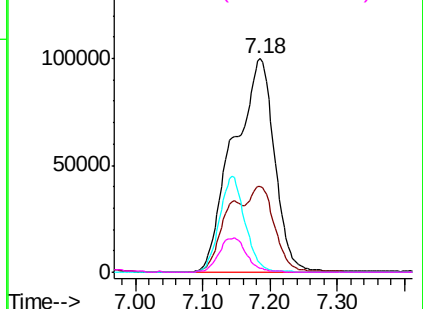
#41
Methacrylonitrile
Concen: 154.353 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	425458
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

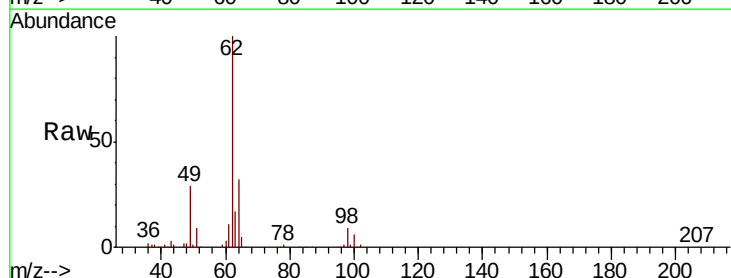


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

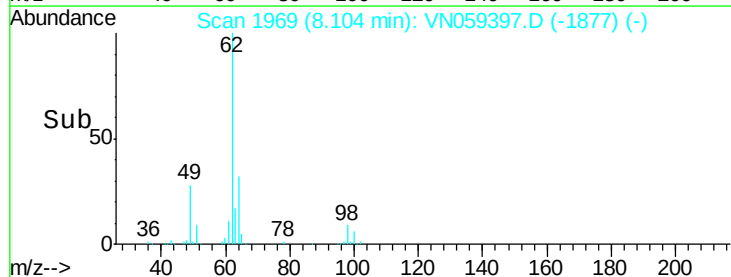
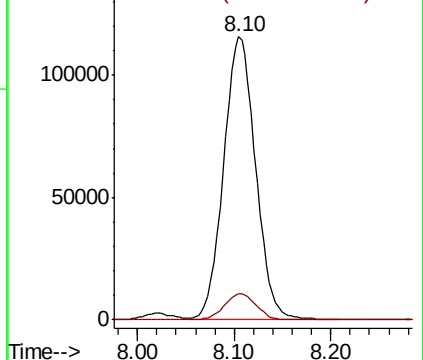


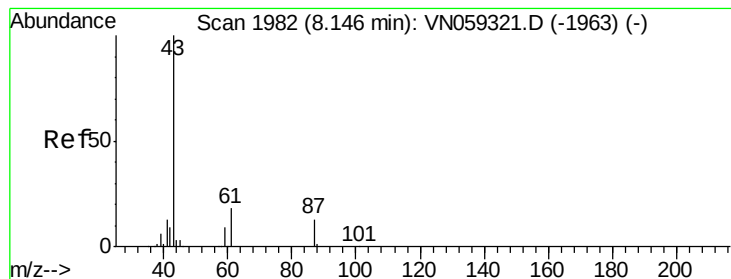
#42
1,2-Dichloroethane
Concen: 47.217 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion:	62	Resp:	264794
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.899 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

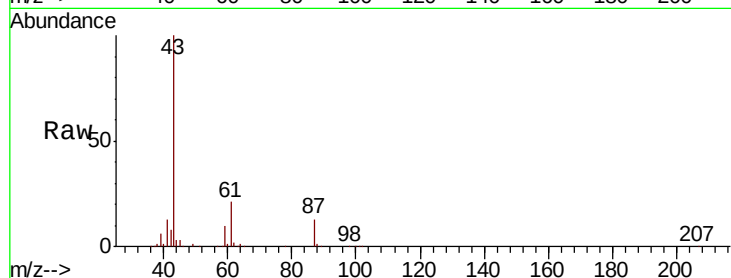
Tot Ion: 43 Resp: 464018

Ion Ratio Lower Upper

43 100

61 26.9 21.7 32.5

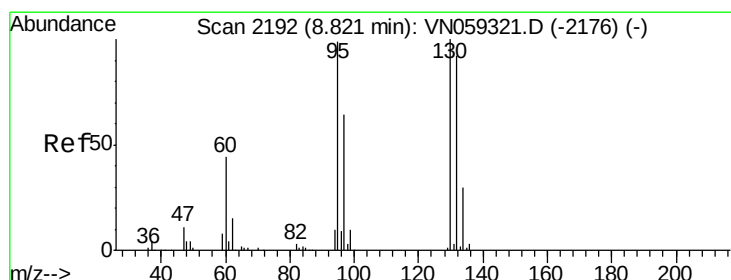
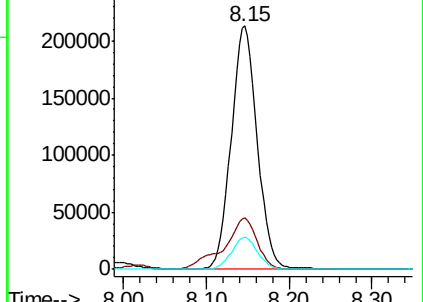
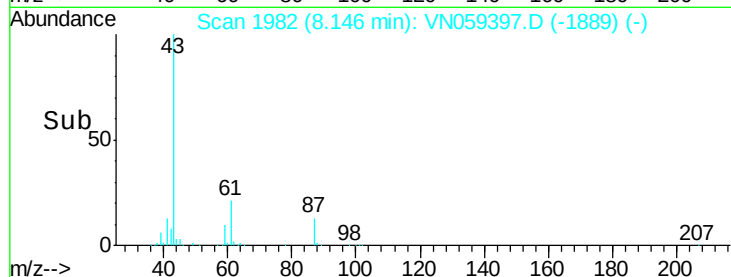
87 13.2 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN059321.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059321.D (-1963) (-)



#44

Trichloroethene

Concen: 47.021 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059397.D

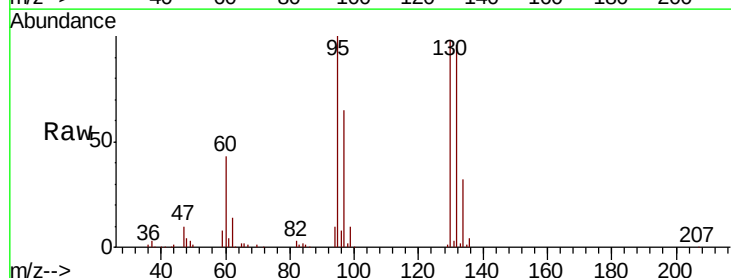
Acq: 25 Nov 2019 20:35

Tgt Ion:130 Resp: 202072

Ion Ratio Lower Upper

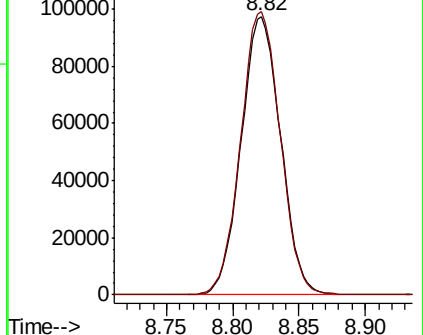
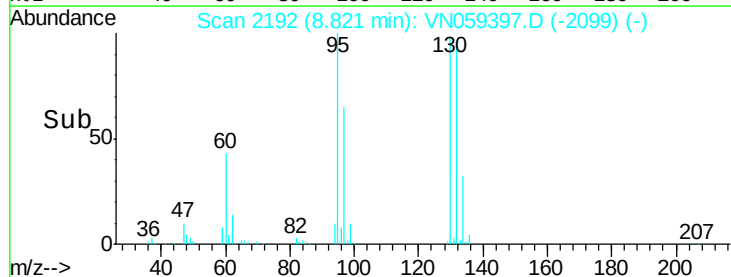
130 100

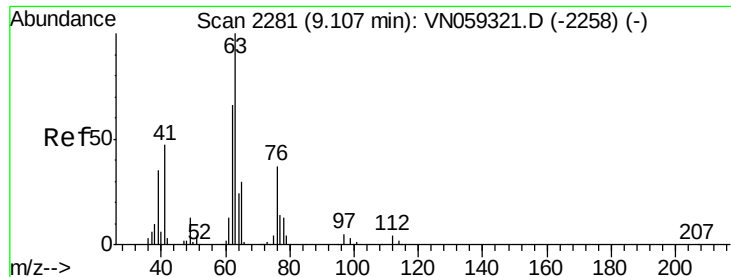
95 101.5 0.0 198.4



Abundance Ion 129.80 (129.50 to 130.50): VN059321.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN059321.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 47.953 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

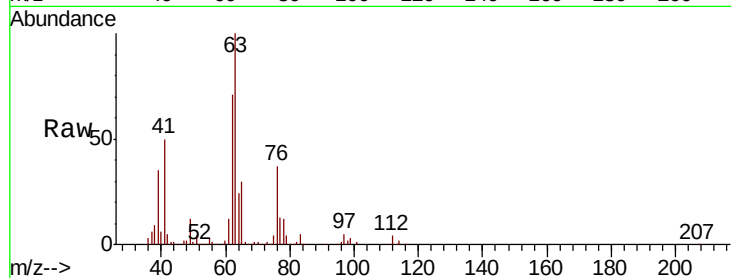
ClientSampleId :

Tot Ion: 63 Resp: 216828

Ion Ratio Lower Upper

63 100

65 30.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

120000

100000

80000

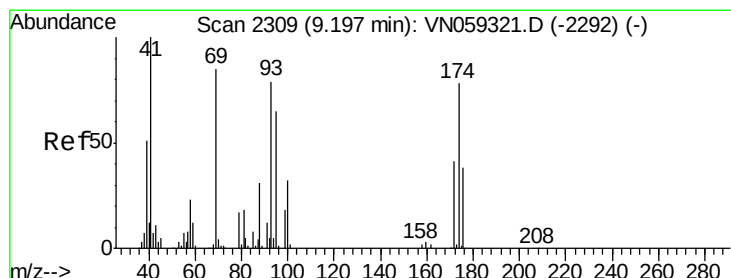
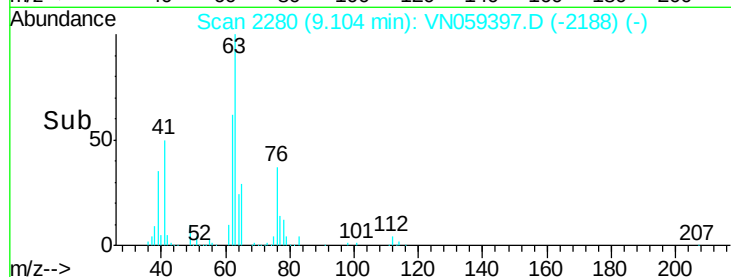
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 48.698 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

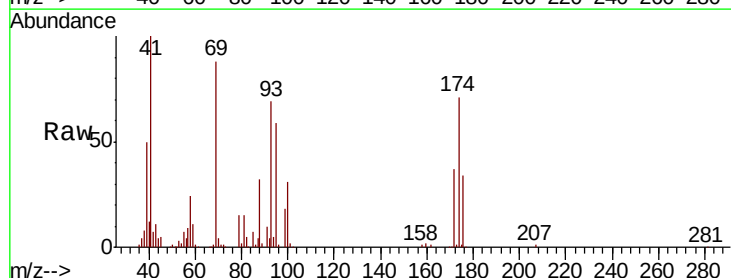
Tgt Ion: 93 Resp: 135064

Ion Ratio Lower Upper

93 100

95 83.0 66.9 100.3

174 101.3 80.6 120.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

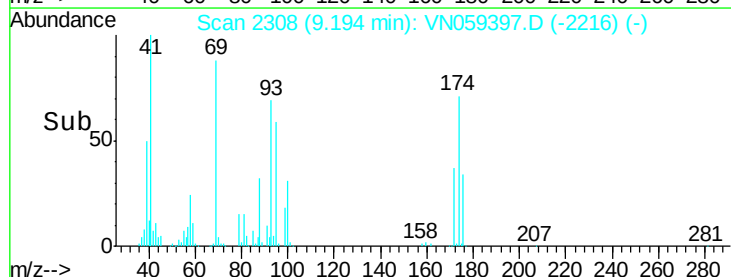
60000

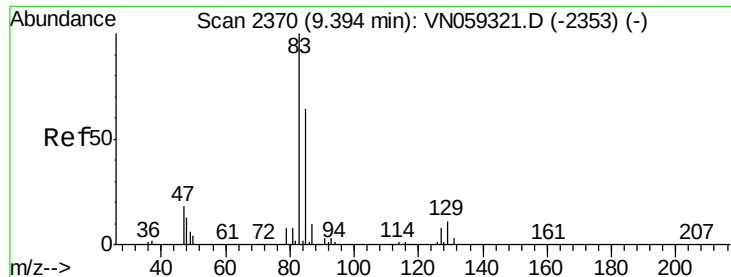
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 48.531 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

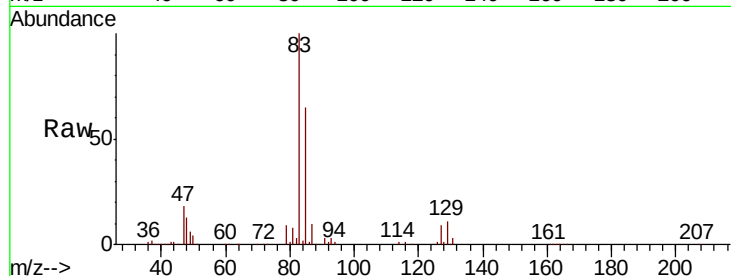
Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 269566

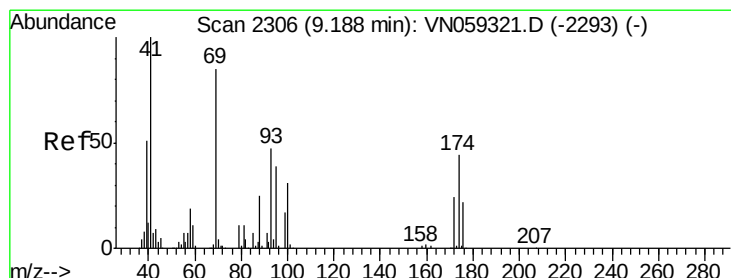
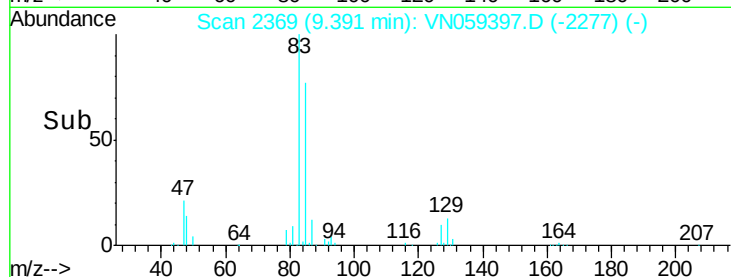
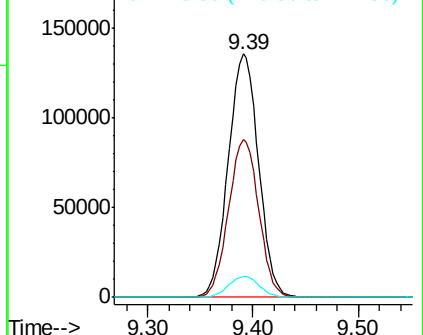
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3
127	8.5	6.6	10.0



Abundance Ion 82.90 (82.60 to 83.60): VN059397.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN059397.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN059397.D (-2277) (-)



#48

Methyl methacrylate

Concen: 48.476 ug/l

RT: 9.19 min Scan# 2306

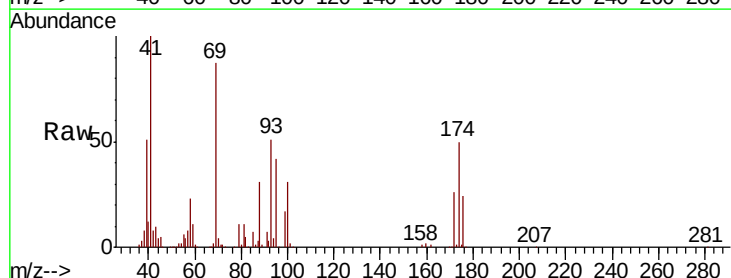
Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion: 41 Resp: 209185

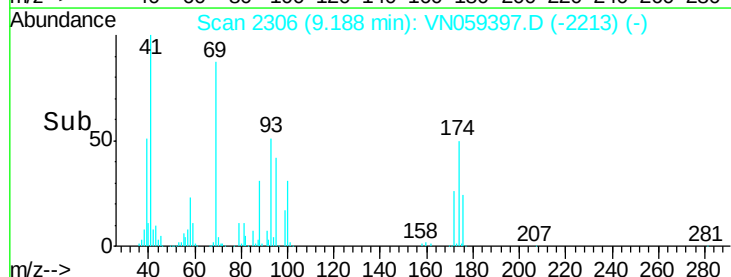
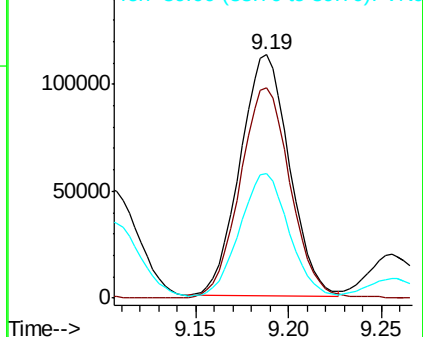
Ion	Ratio	Lower	Upper
41	100		
69	89.3	68.8	103.2
39	52.0	42.1	63.1

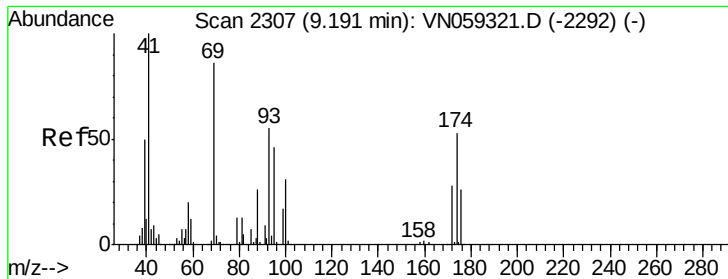


Abundance Ion 41.00 (40.70 to 41.70): VN059397.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN059397.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN059397.D (-2213) (-)

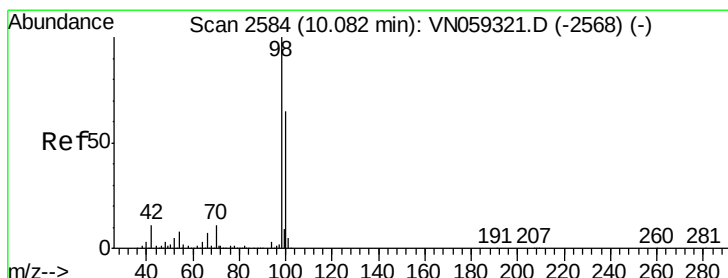
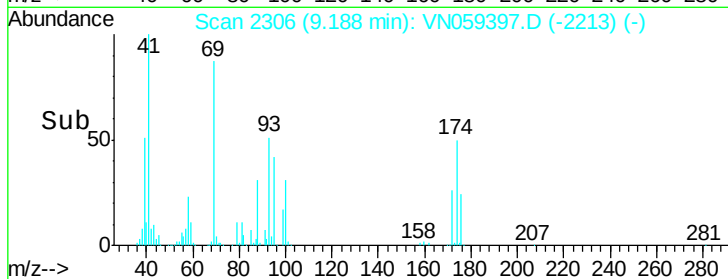
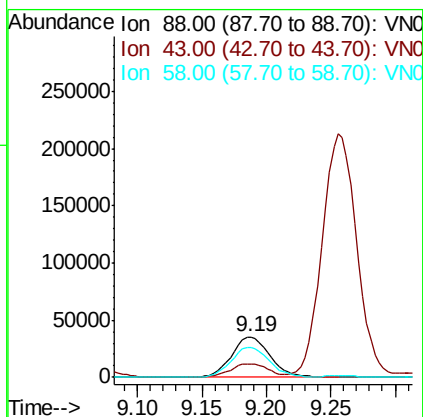
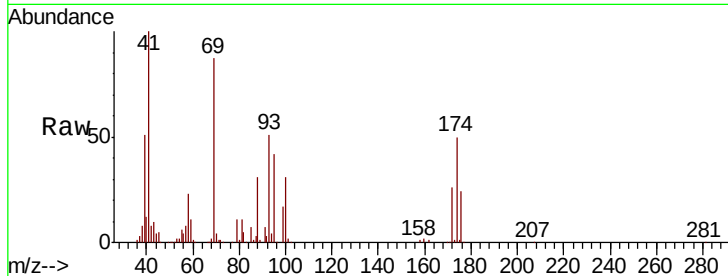




#49
1,4-Dioxane
Concen: 1140.472 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

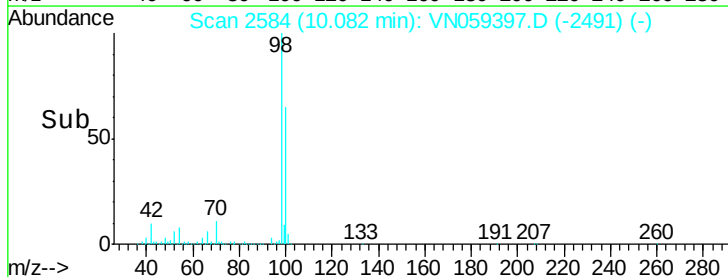
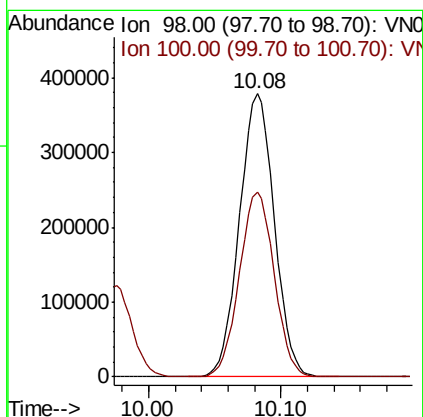
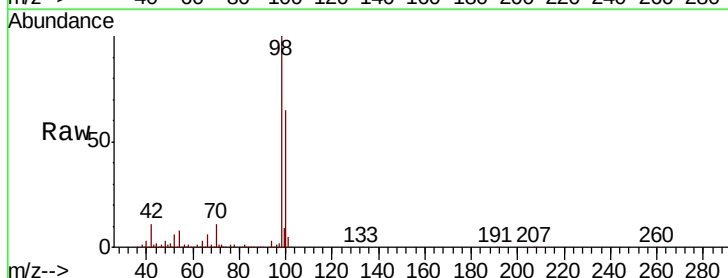
Instrument :
MSVOA_N
ClientSampled :

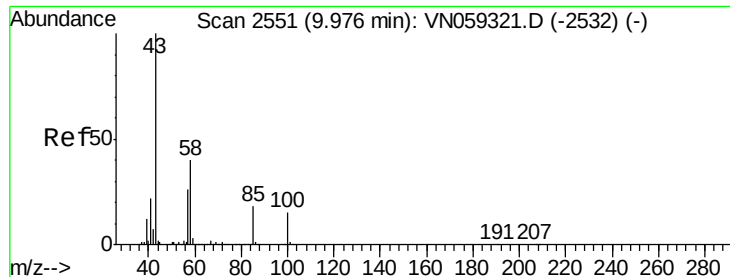
Tot Ion: 88 Resp: 73965
Ion Ratio Lower Upper
88 100
43 31.1 26.9 40.3
58 72.8 59.2 88.8



#50
Toluene-d8
Concen: 51.795 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 98 Resp: 691344
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 261.171 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

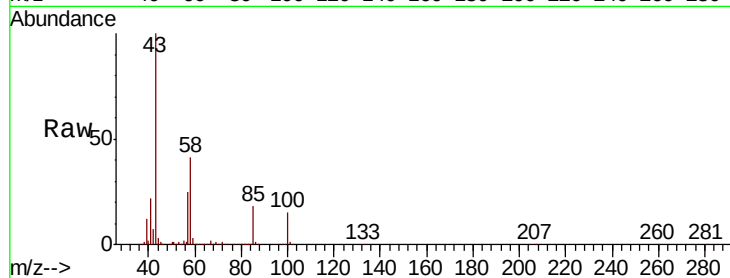
ClientSampleId :

Tot Ion: 43 Resp: 1450630

Ion Ratio Lower Upper

43 100

58 41.0 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-2532) (-)

9.97

800000

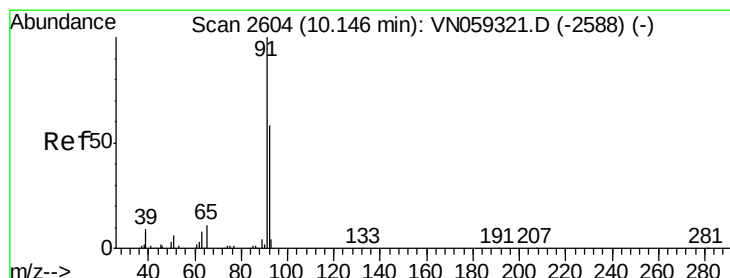
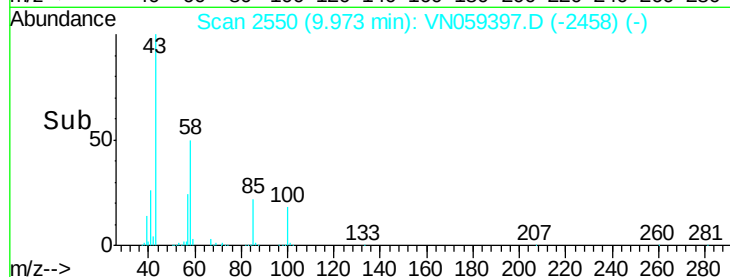
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.370 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059397.D

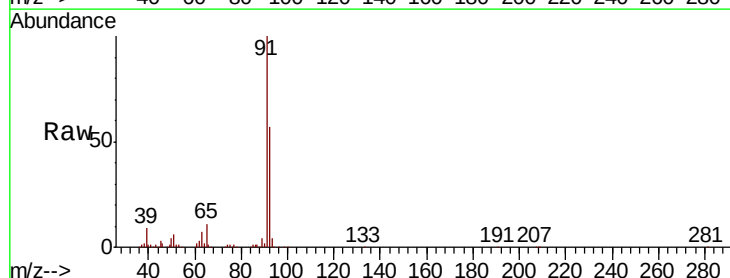
Acq: 25 Nov 2019 20:35

Tgt Ion: 92 Resp: 493173

Ion Ratio Lower Upper

92 100

91 173.5 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN059321.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059321.D (-2588) (-)

10.15

500000

400000

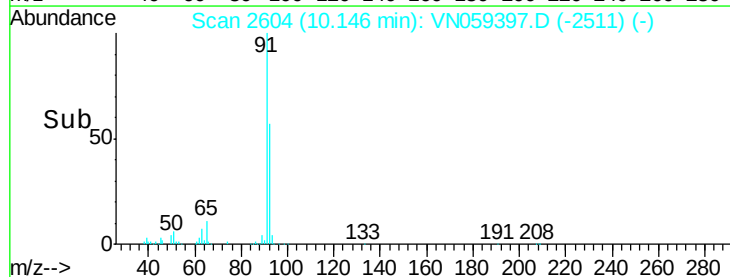
300000

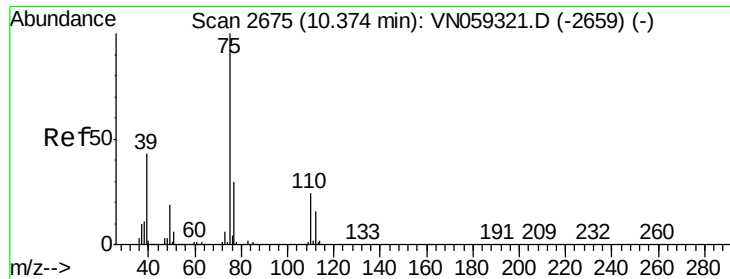
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.889 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

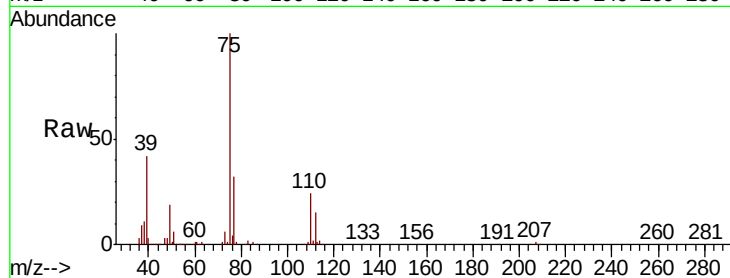
ClientSampled :

Tot Ion: 75 Resp: 315670

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

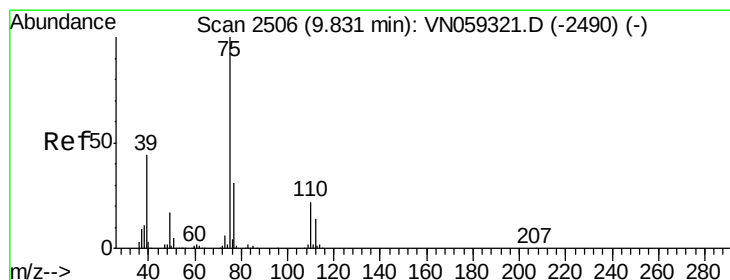
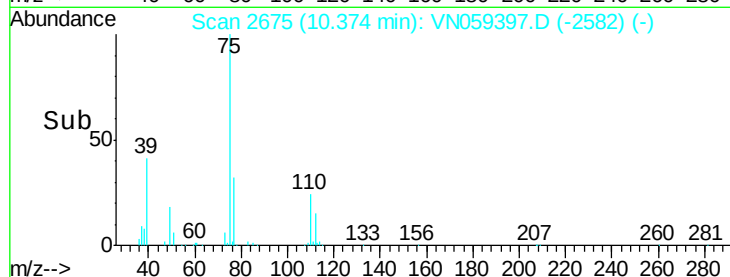
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.903 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

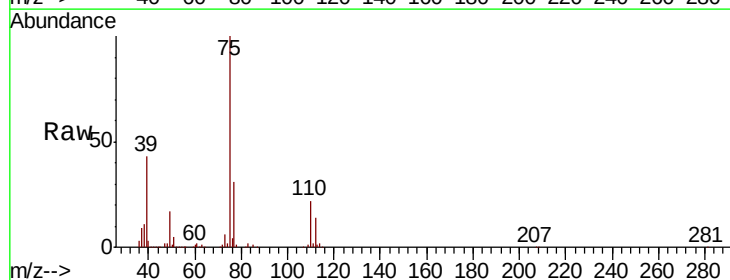
Tgt Ion: 75 Resp: 342638

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

39 43.3 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

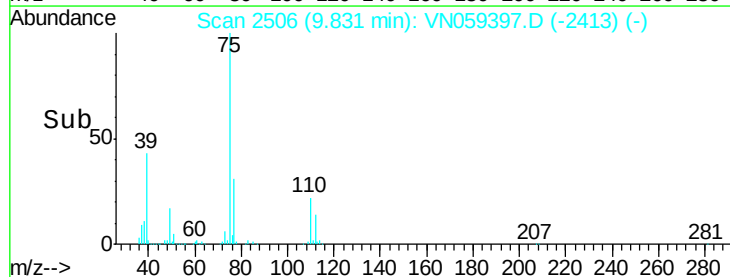
150000

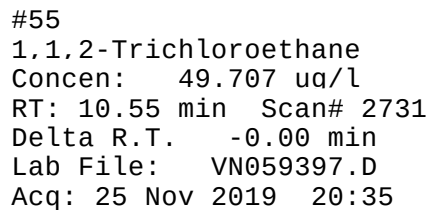
100000

50000

0

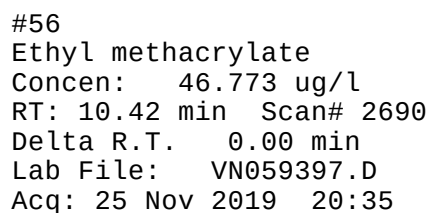
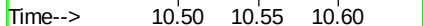
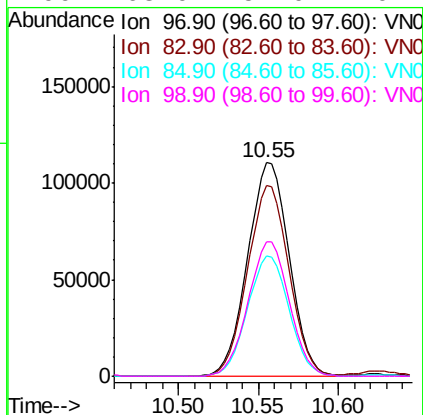
Time-->



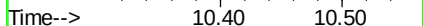
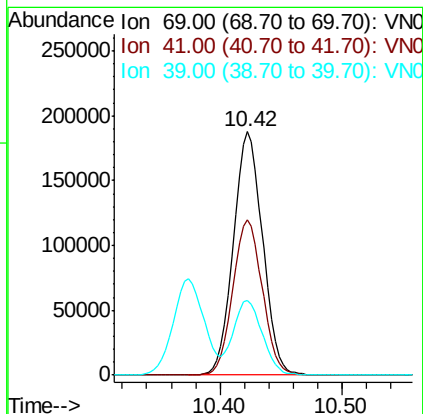


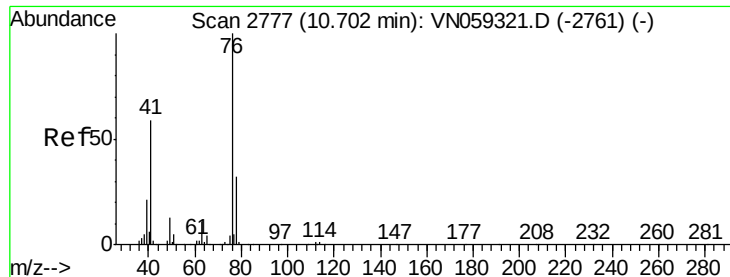
Instrument :
MSVOA_N
ClientSampleId :

Tat	Ion: 97	Resp:	197049
Ion	Ratio	Lower	Upper
97	100		
83	89.4	72.0	108.0
85	56.2	45.8	68.6
99	63.0	51.0	76.4



Tgt	Ion: 69	Resp:	312162
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.7	77.5
39	30.8	25.2	37.8





#57

1,3-Dichloropropane

Concen: 49.632 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

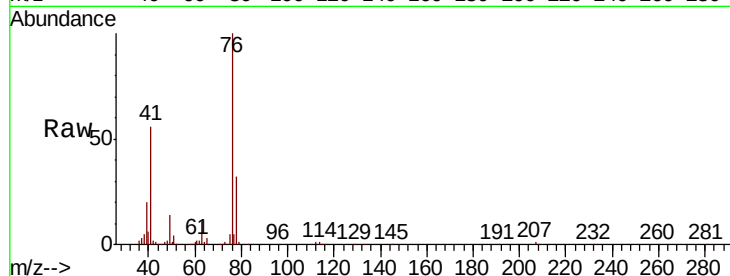
ClientSampled :

Tot Ion: 76 Resp: 342924

Ion Ratio Lower Upper

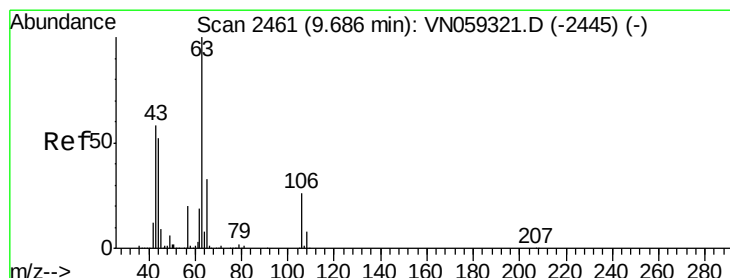
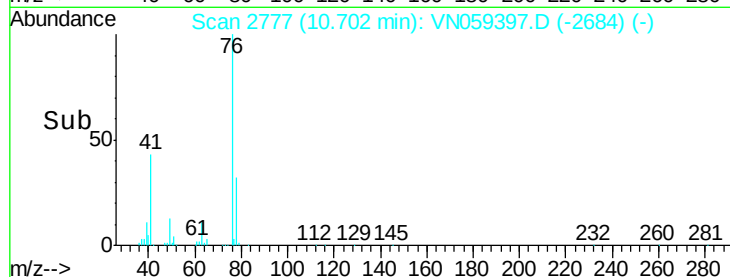
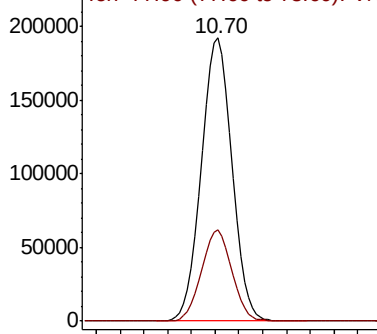
76 100

78 31.9 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 219.164 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059397.D

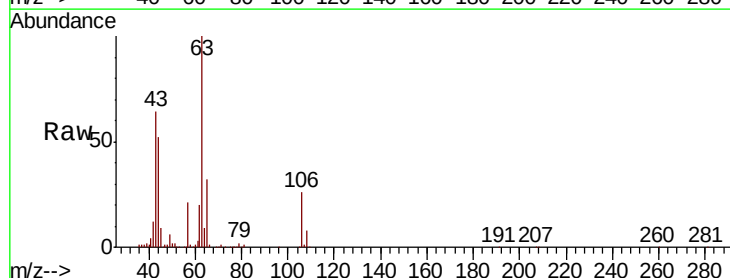
Acq: 25 Nov 2019 20:35

Tgt Ion: 63 Resp: 530996

Ion Ratio Lower Upper

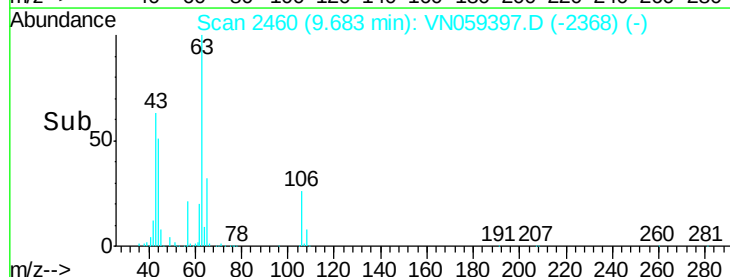
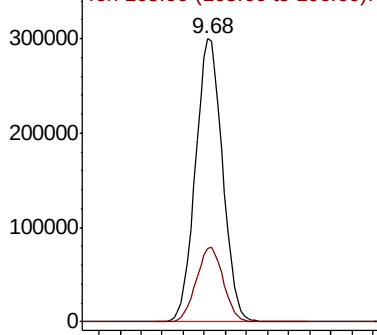
63 100

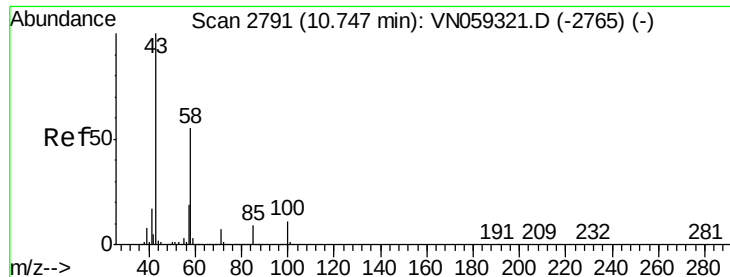
106 26.3 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

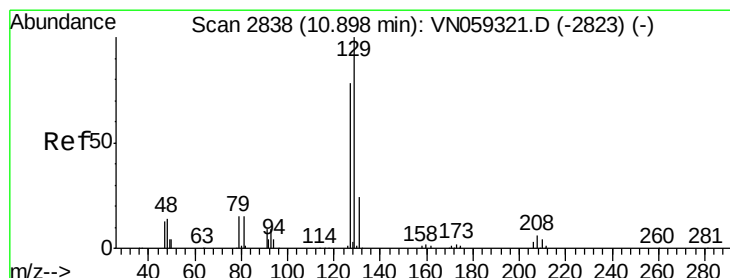
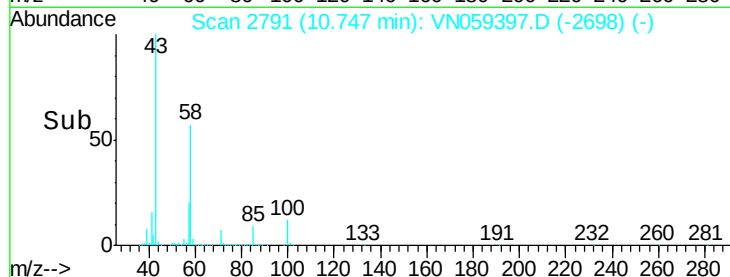
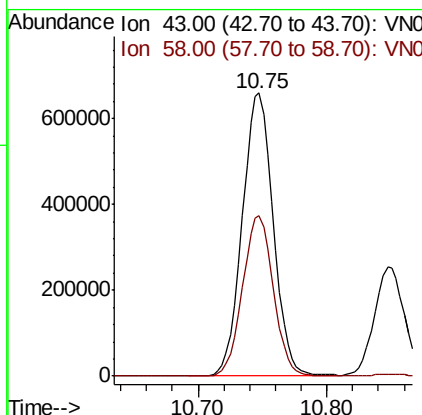
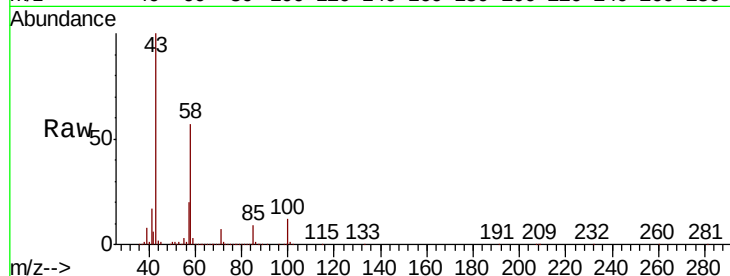




#59
2-Hexanone
Concen: 270.708 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

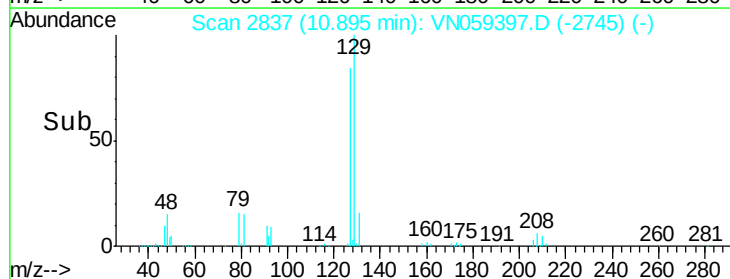
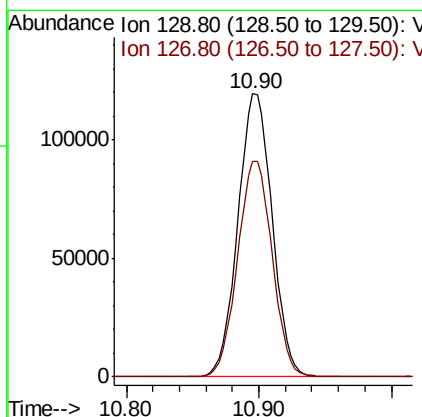
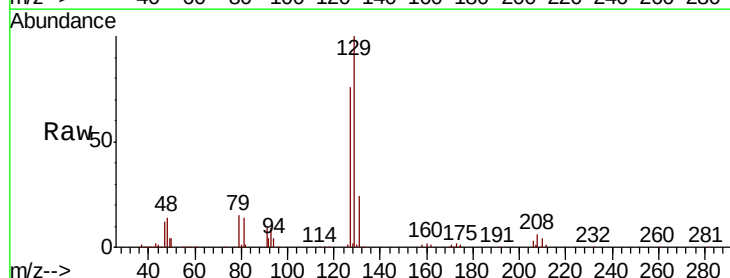
Instrument :
MSVOA_N
ClientSampleId :

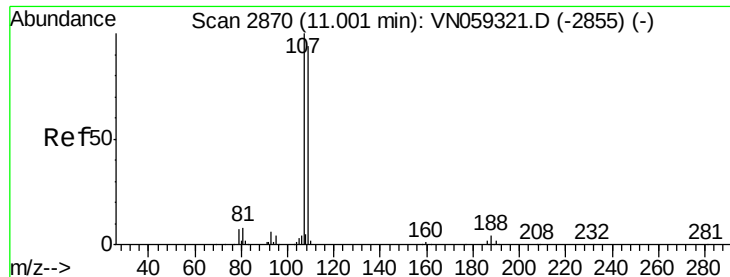
Tot Ion: 43 Resp: 1101005
Ion Ratio Lower Upper
43 100
58 56.5 27.7 83.0



#60
Dibromochloromethane
Concen: 51.416 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 129 Resp: 214785
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5

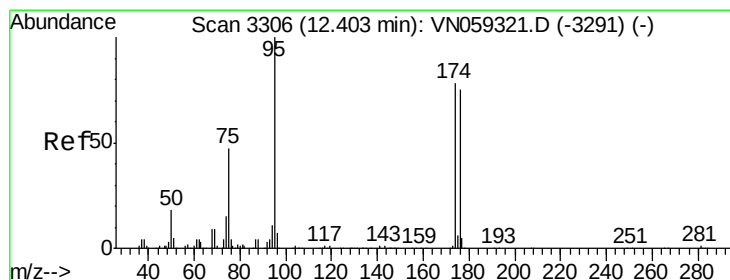
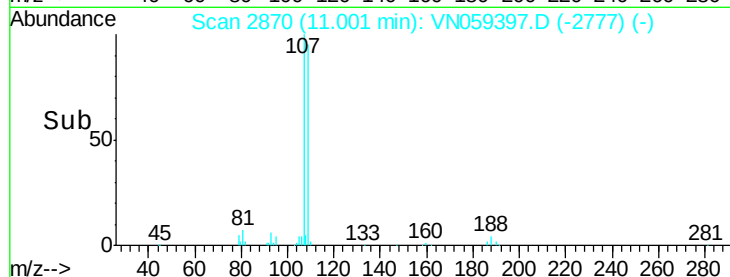
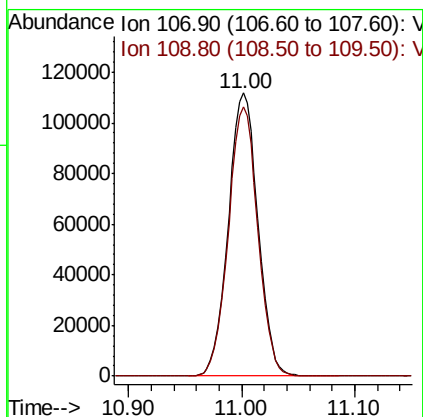
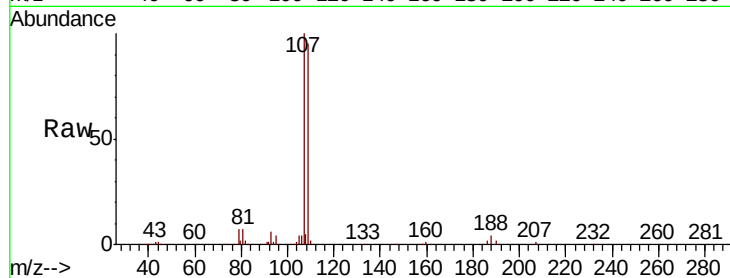




#61
 1,2-Dibromoethane
 Concen: 49.392 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

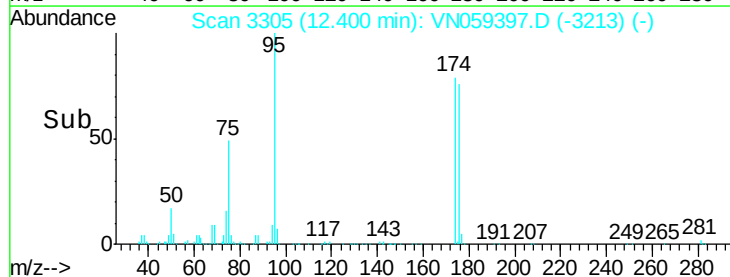
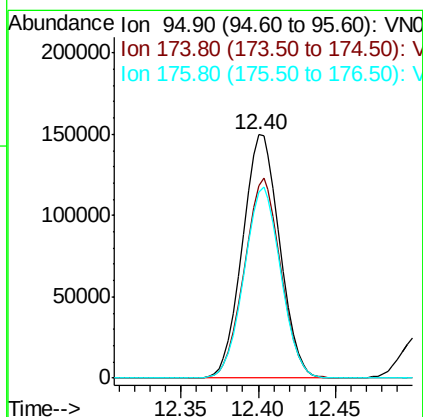
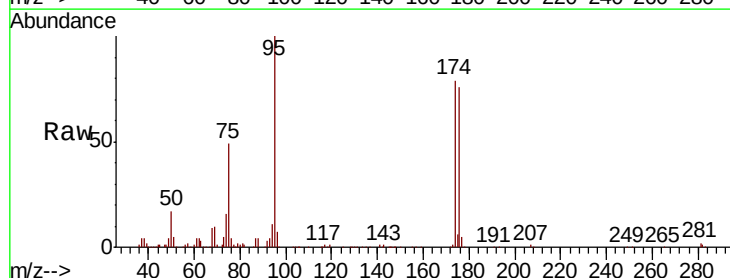
Instrument :
 MSVOA_N
 ClientSampleId :

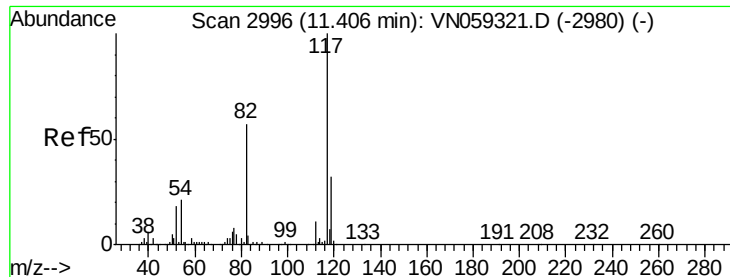
Tot Ion: 107 Resp: 203732
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 53.804 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion: 95 Resp: 251105
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 157.4
 176 77.4 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

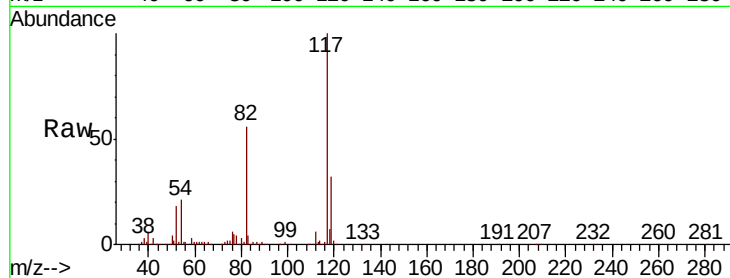
Tot Ion:117 Resp: 509335

Ion Ratio Lower Upper

117 100

82 56.4 45.7 68.5

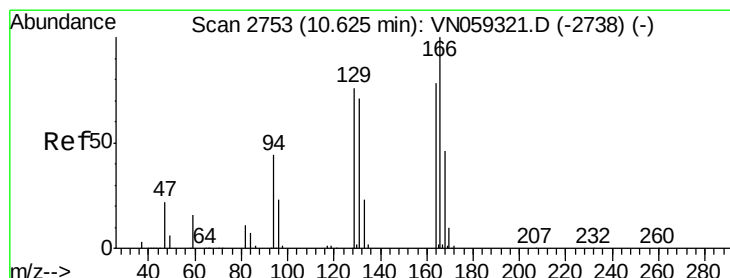
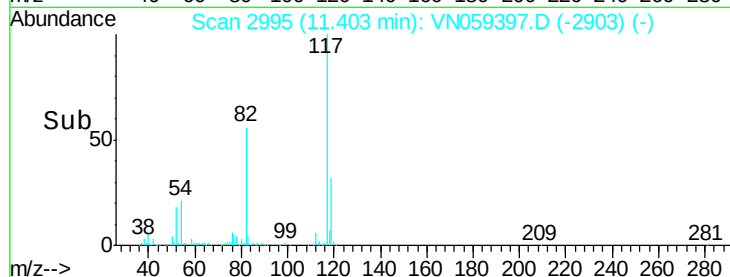
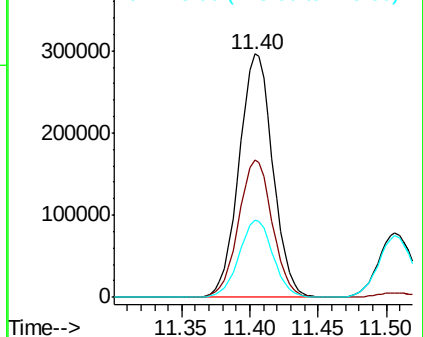
119 31.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 56.396 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:164 Resp: 222158

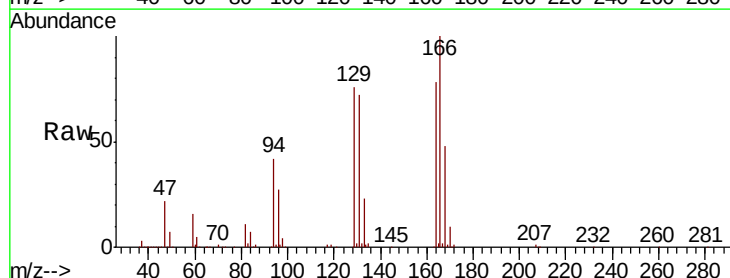
Ion Ratio Lower Upper

164 100

166 128.5 102.9 154.3

129 98.3 78.2 117.2

131 92.5 72.6 109.0

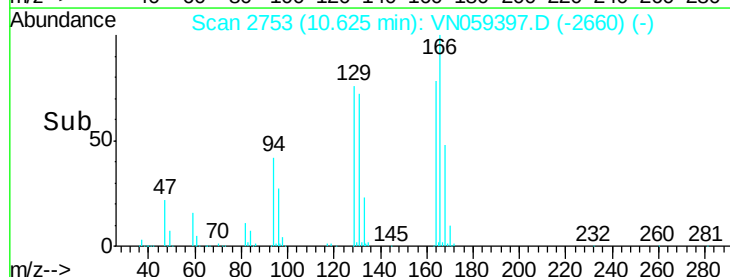
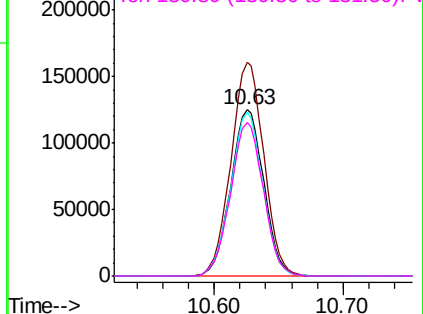


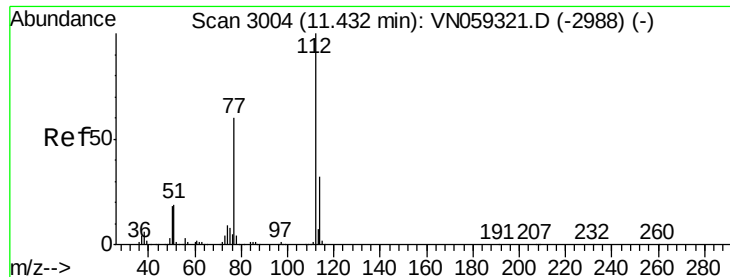
Abundance Ion 163.80 (163.50 to 164.50): V

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

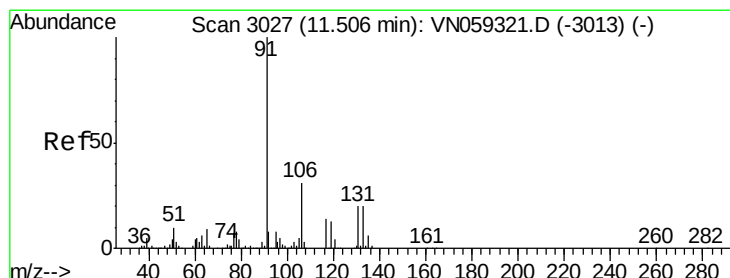
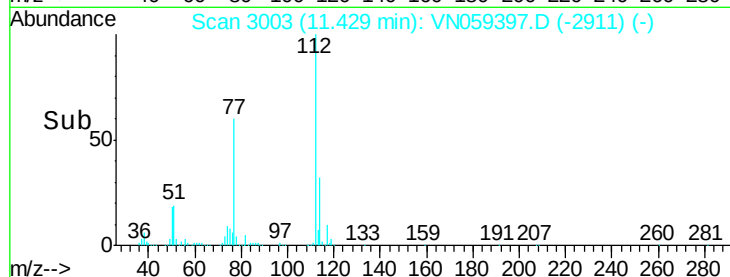
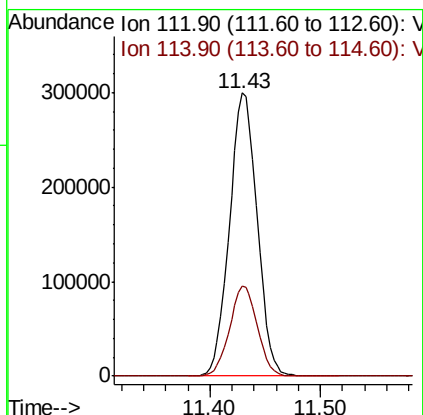
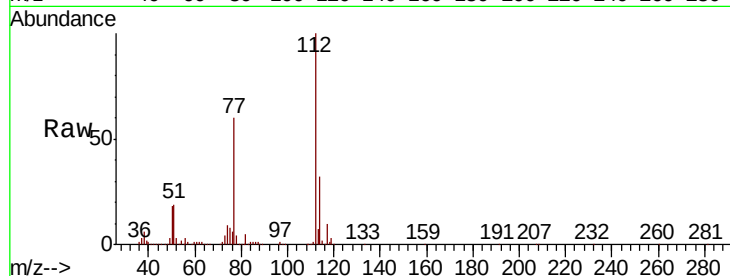




#65
Chlorobenzene
Concen: 47.526 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

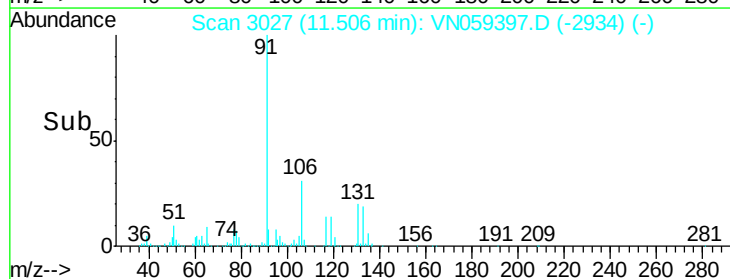
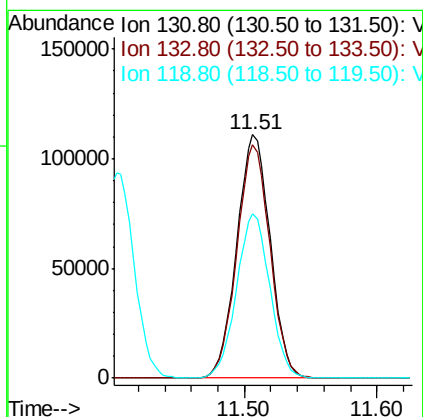
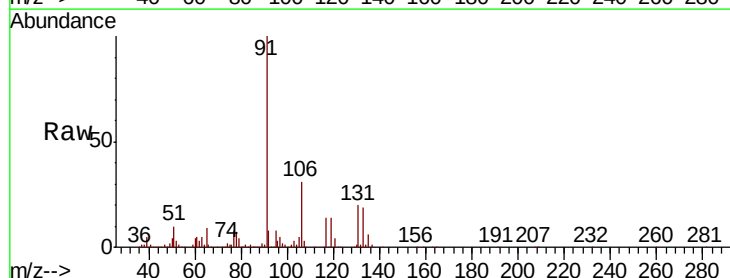
Instrument :
MSVOA_N
ClientSampleId :

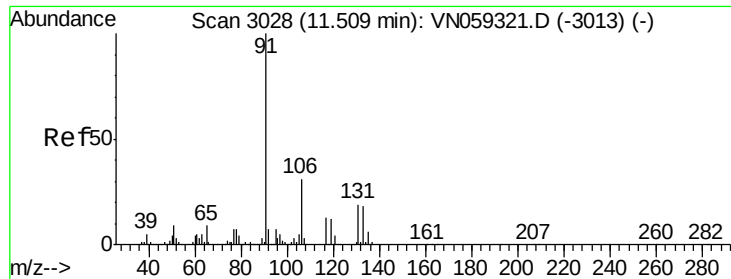
Tot Ion:112 Resp: 520498
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 48.779 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion:131 Resp: 194072
Ion Ratio Lower Upper
131 100
133 95.4 48.2 144.6
119 67.0 33.6 100.6

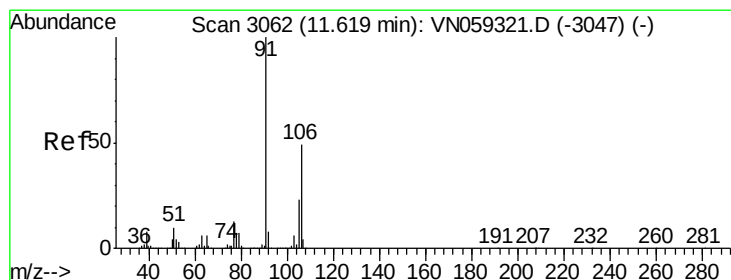
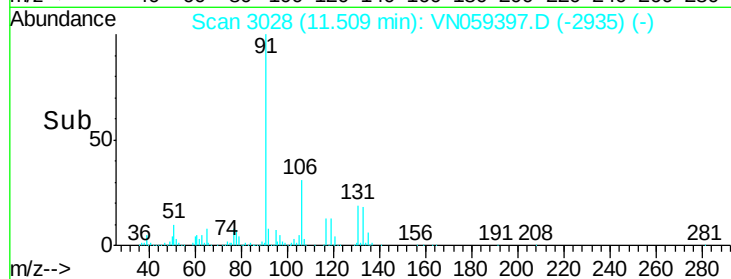
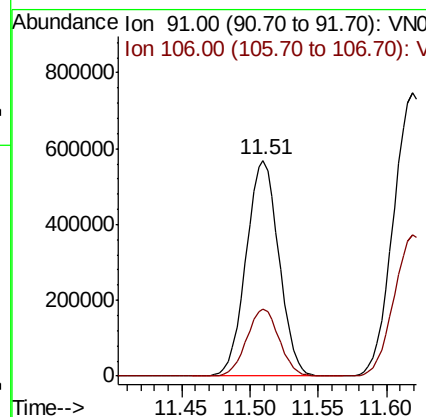
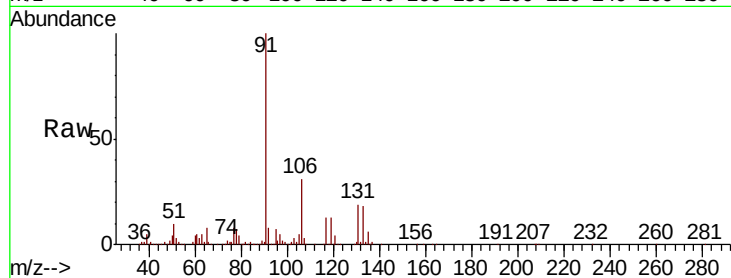




#67
Ethyl Benzene
Concen: 48.512 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

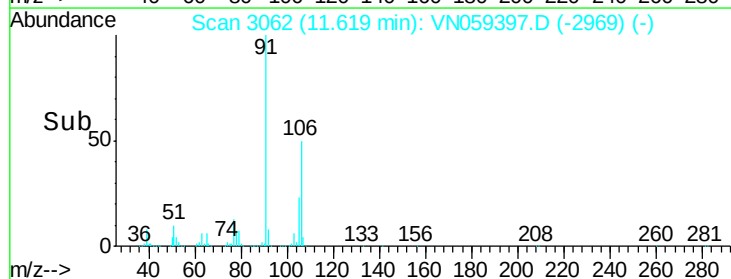
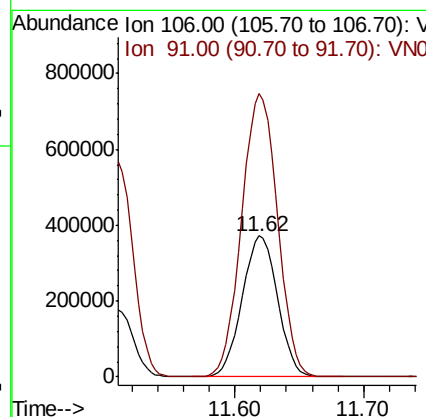
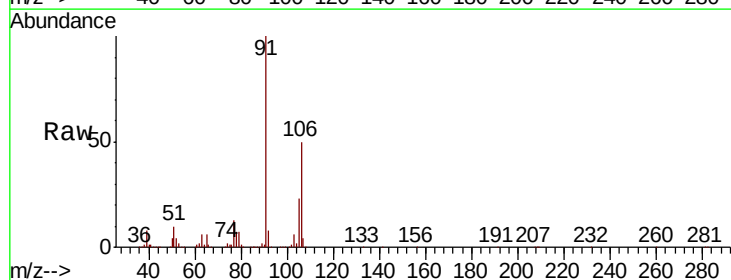
Instrument :
MSVOA_N
ClientSampled :

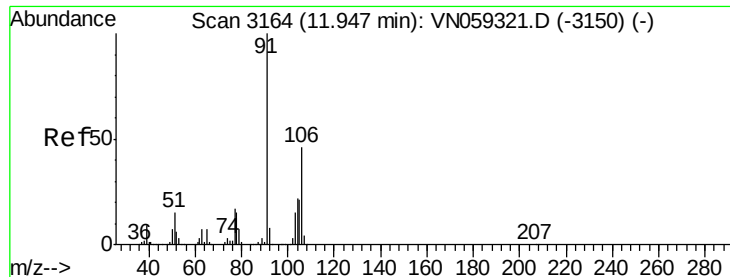
Tot Ion: 91 Resp: 948629
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0



#68
m/p-Xylenes
Concen: 97.742 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 106 Resp: 710198
Ion Ratio Lower Upper
106 100
91 203.8 163.2 244.8

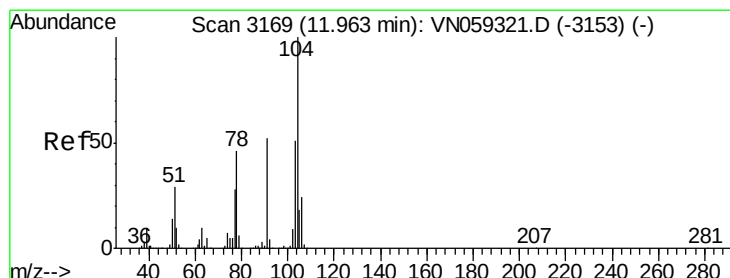
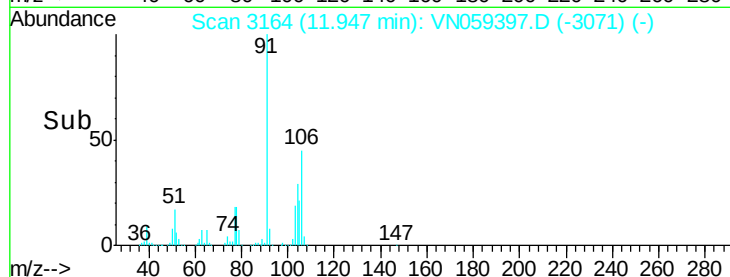
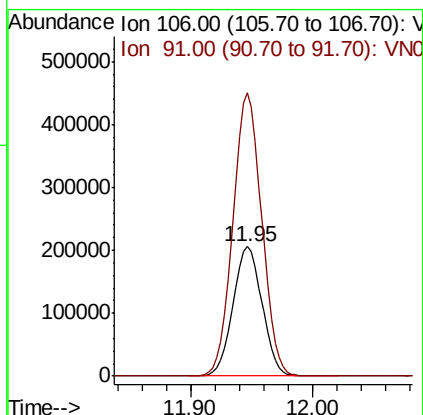
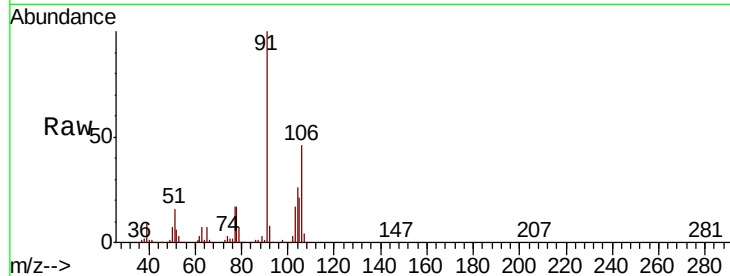




#69
o-Xylene
Concen: 48.914 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

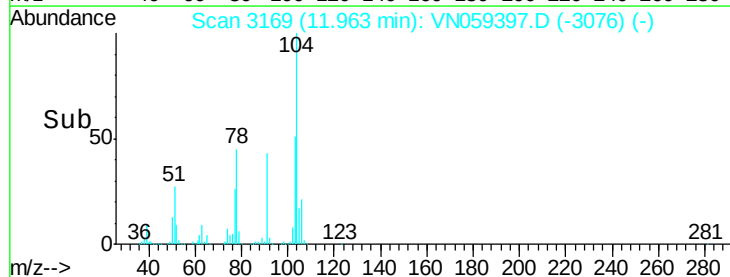
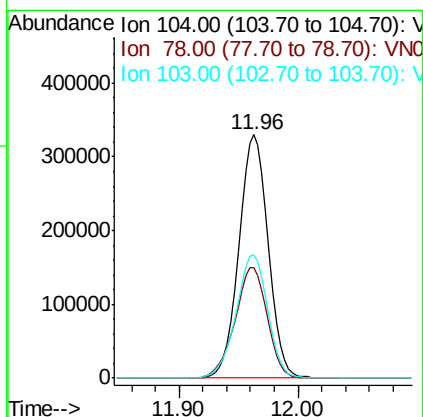
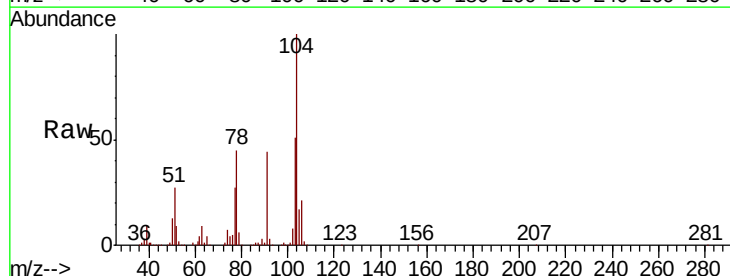
Instrument :
MSVOA_N
ClientSampled :

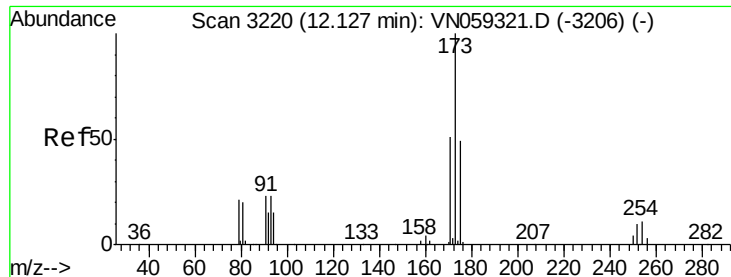
Tot Ion:106 Resp: 340252
Ion Ratio Lower Upper
106 100
91 216.6 109.3 327.9



#70
Styrene
Concen: 51.147 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion:104 Resp: 561392
Ion Ratio Lower Upper
104 100
78 50.0 40.3 60.5
103 55.0 43.6 65.4





#71

Bromoform

Concen: 51.914 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampled :

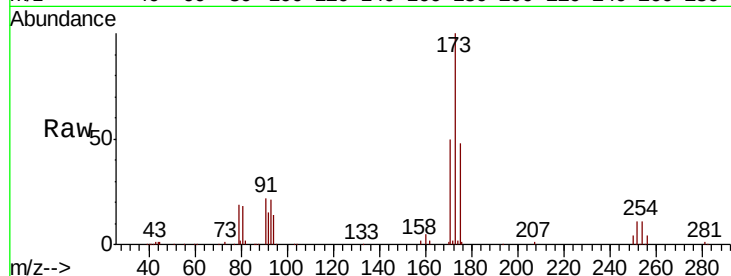
Tot Ion:173 Resp: 156425

Ion Ratio Lower Upper

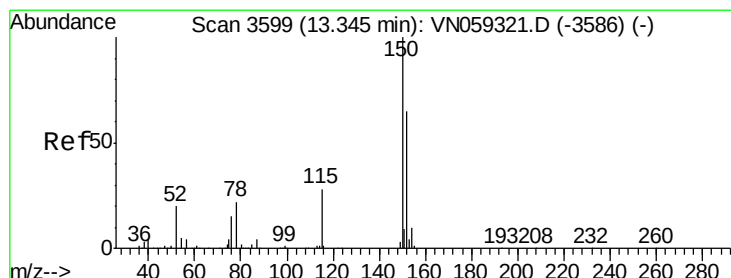
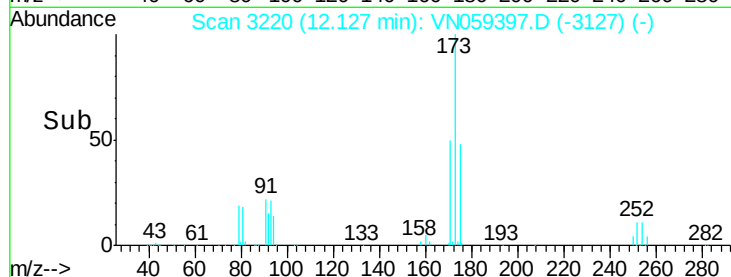
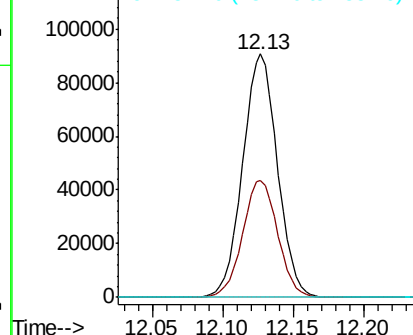
173 100

175 48.4 24.6 73.6

254 0.1 0.1 0.1



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

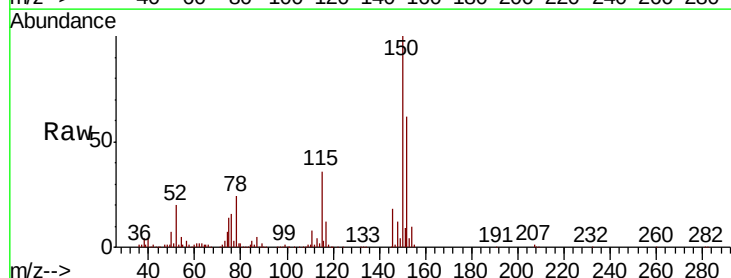
Tgt Ion:152 Resp: 249842

Ion Ratio Lower Upper

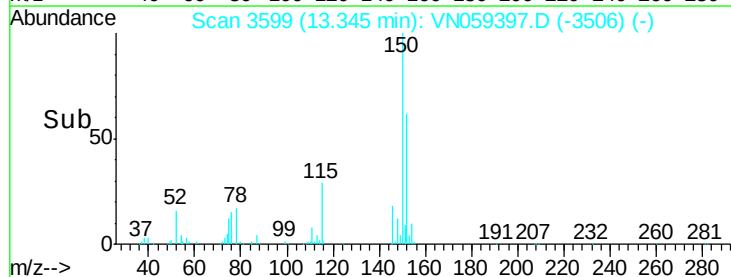
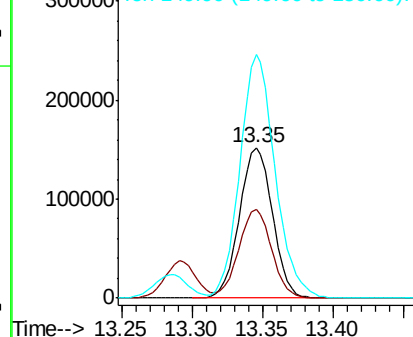
152 100

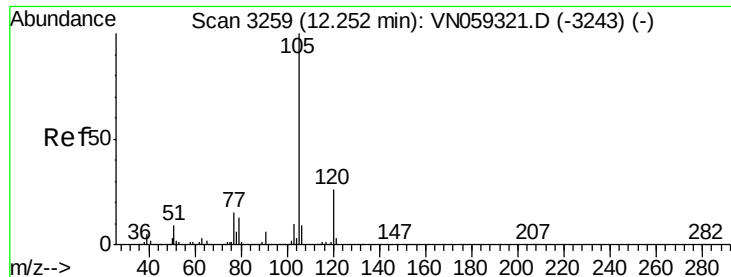
115 58.0 29.3 88.0

150 171.9 0.0 346.0



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: 44.853 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

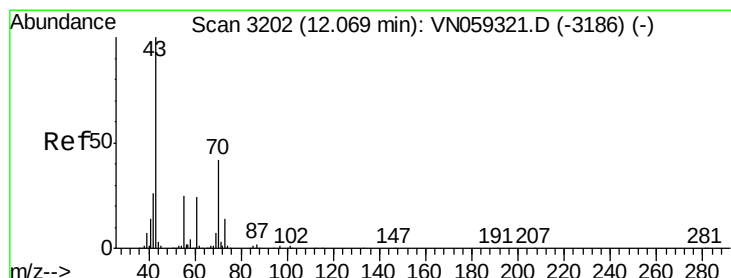
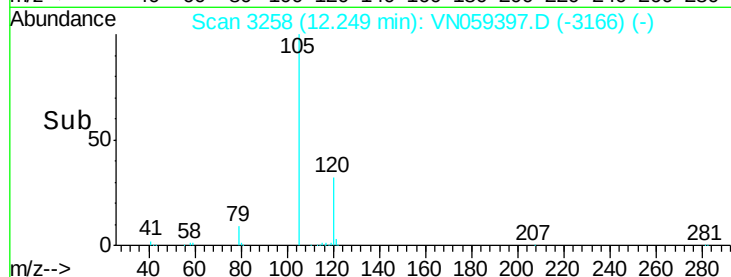
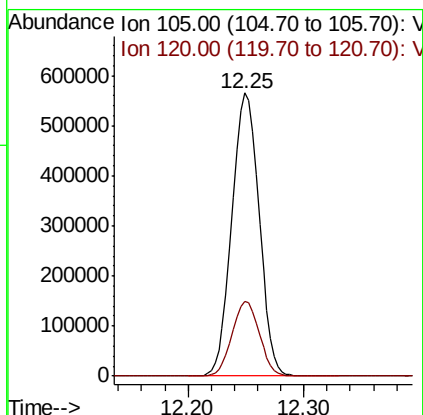
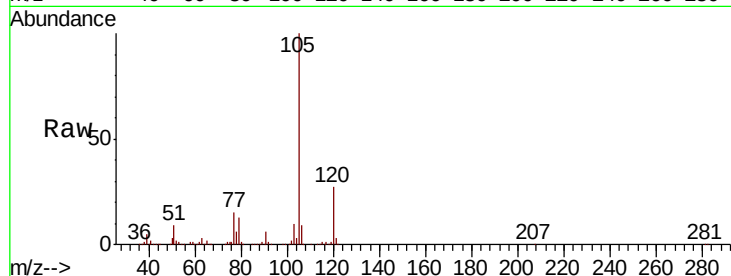
ClientSampled :

Tot Ion:105 Resp: 917999

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3



#74

N-ethyl acetate

Concen: 47.641 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion: 43 Resp: 391862

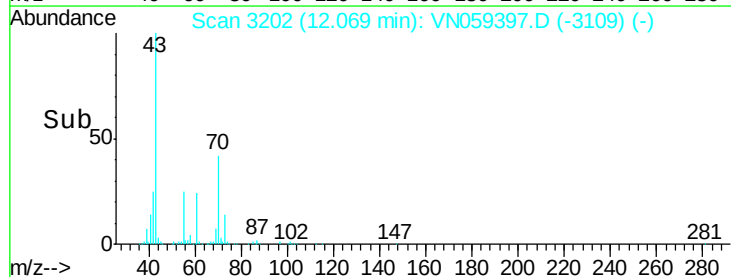
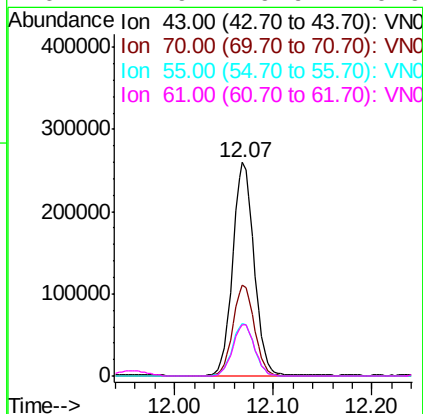
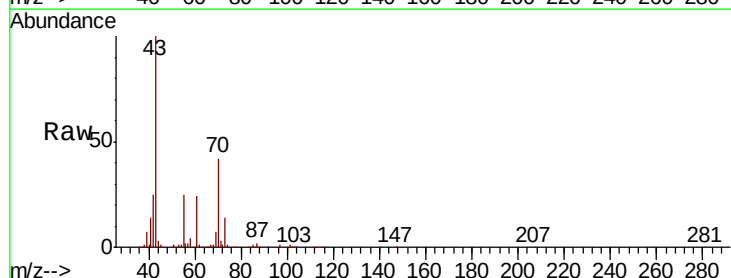
Ion Ratio Lower Upper

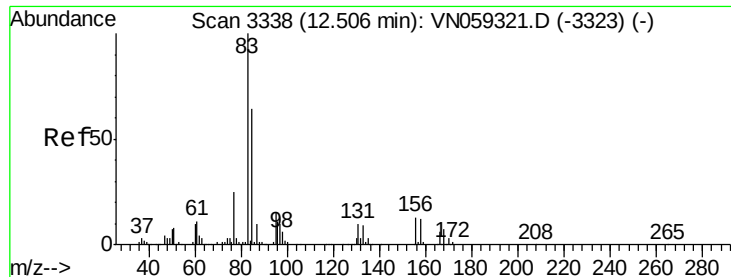
43 100

70 43.0 33.8 50.6

55 25.5 20.3 30.5

61 24.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 44.120 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

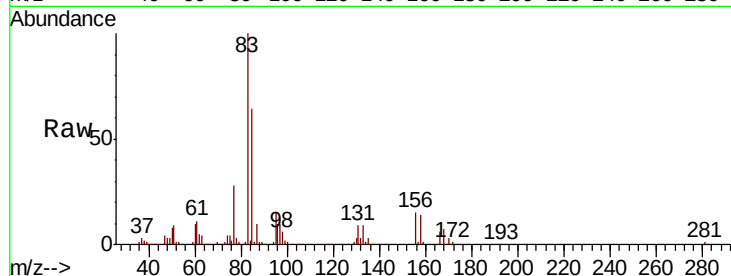
Tot Ion: 83 Resp: 298706

Ion Ratio Lower Upper

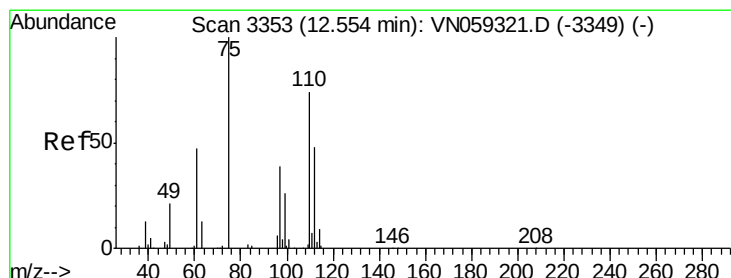
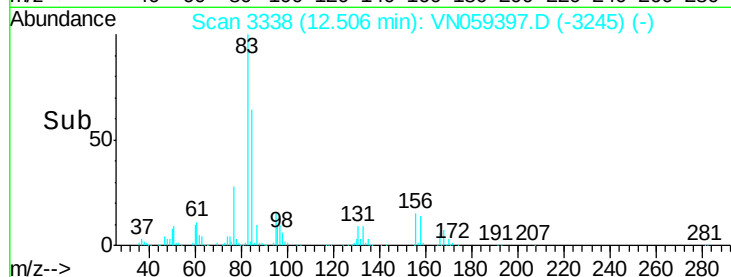
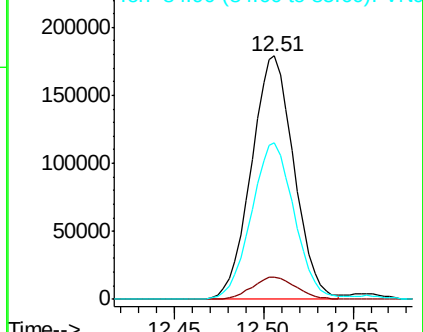
83 100

131 9.7 5.0 14.9

85 64.7 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 70.249 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059397.D

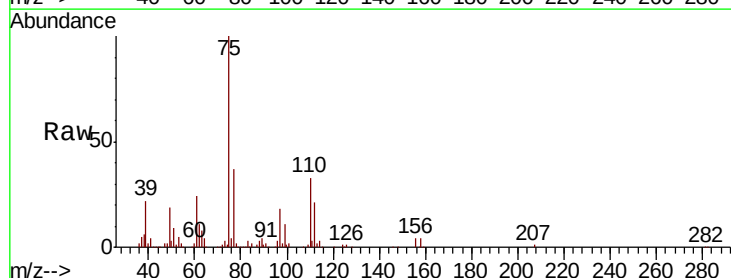
Acq: 25 Nov 2019 20:35

Tgt Ion: 75 Resp: 405474

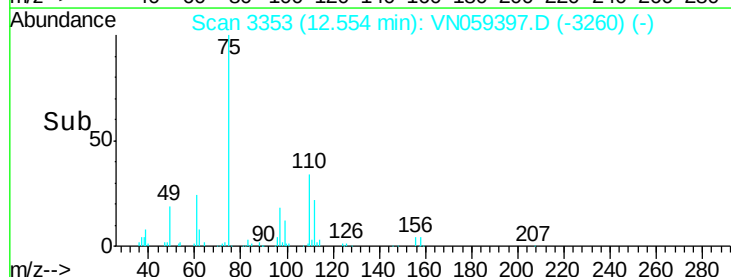
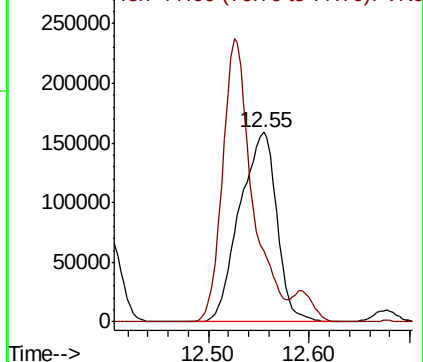
Ion Ratio Lower Upper

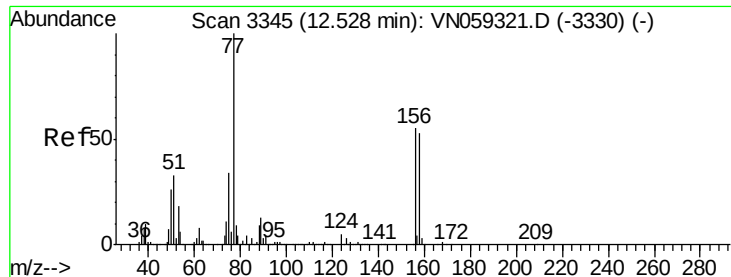
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 44.892 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampled :

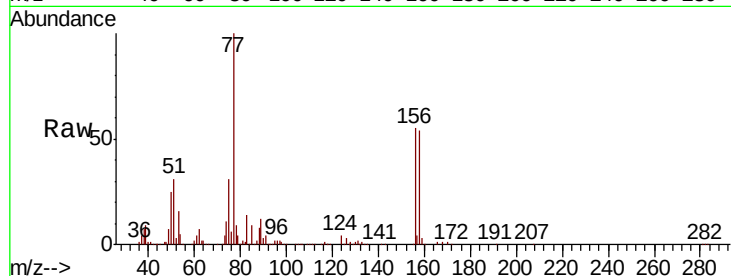
Tot Ion:156 Resp: 222852

Ion Ratio Lower Upper

156 100

77 218.6 111.1 333.4

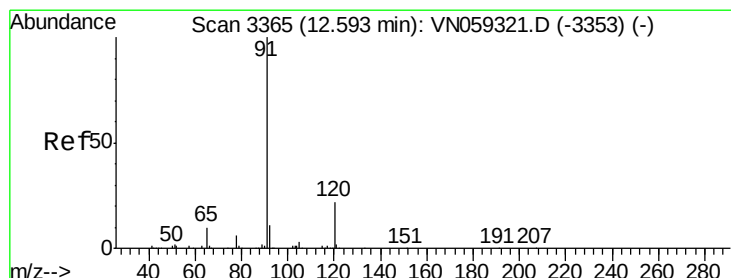
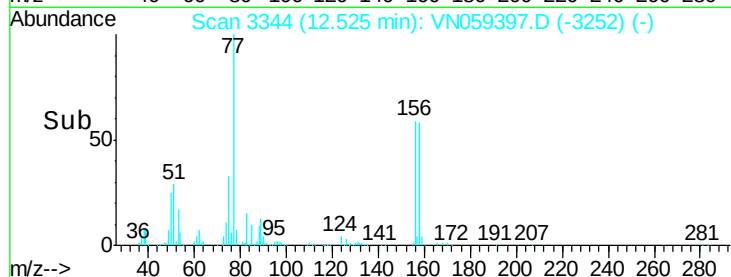
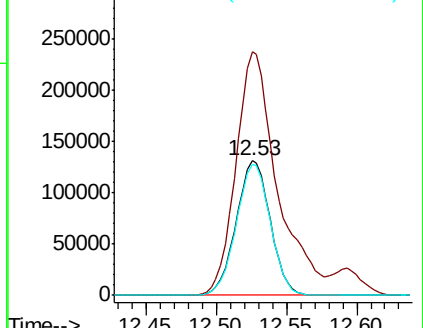
158 97.2 47.8 143.4



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: 46.486 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059397.D

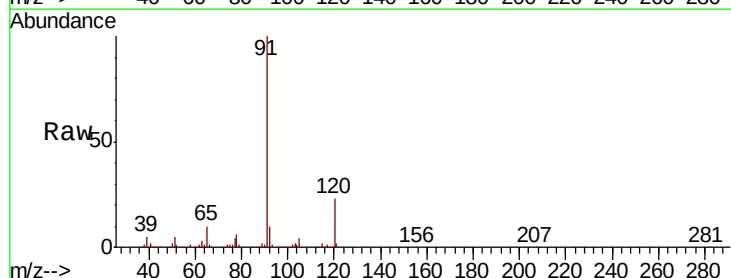
Acq: 25 Nov 2019 20:35

Tgt Ion: 91 Resp: 1077707

Ion Ratio Lower Upper

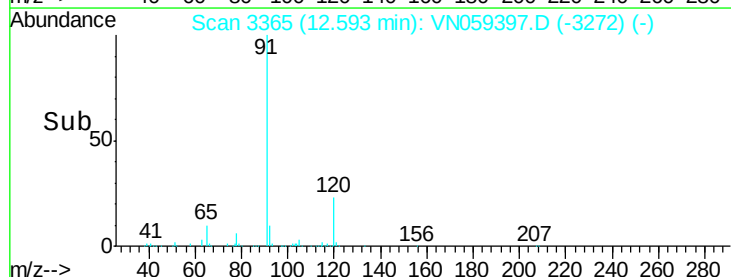
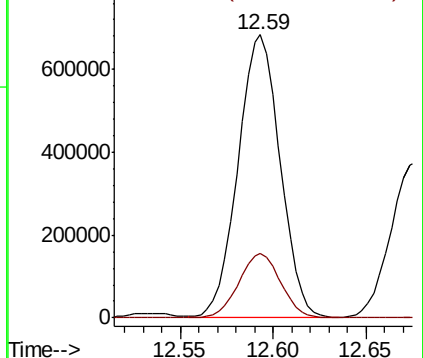
91 100

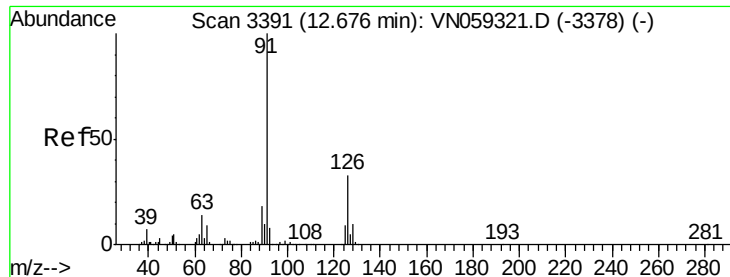
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.378 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

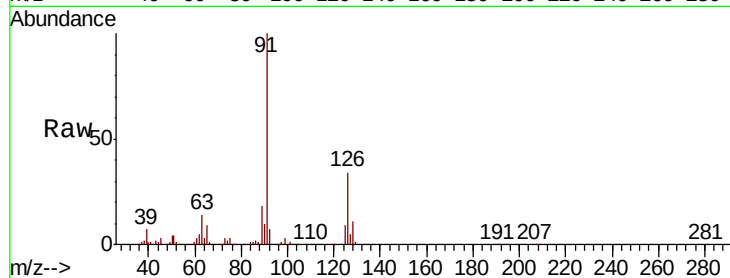
ClientSampled :

Tot Ion: 91 Resp: 631502

Ion Ratio Lower Upper

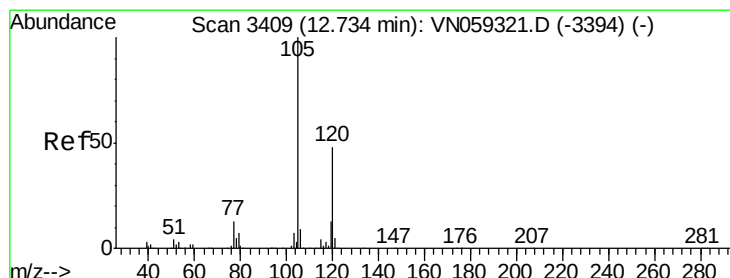
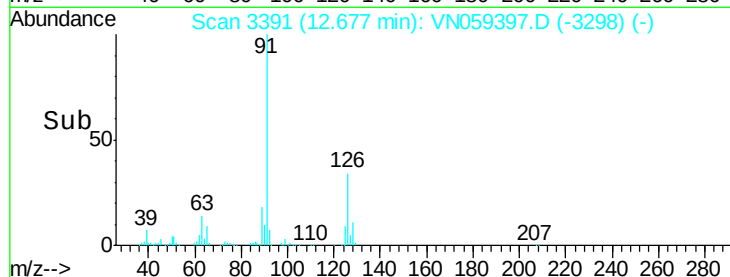
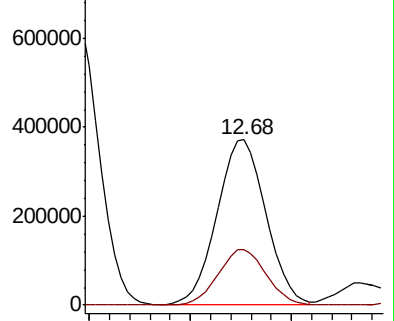
91 100

126 33.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059321.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.637 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059397.D

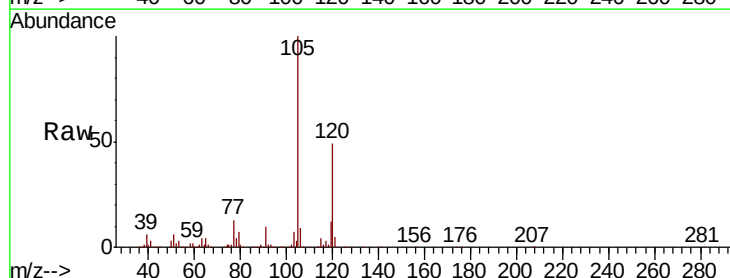
Acq: 25 Nov 2019 20:35

Tgt Ion: 105 Resp: 785185

Ion Ratio Lower Upper

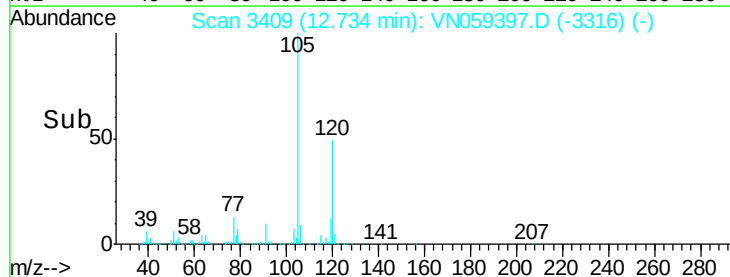
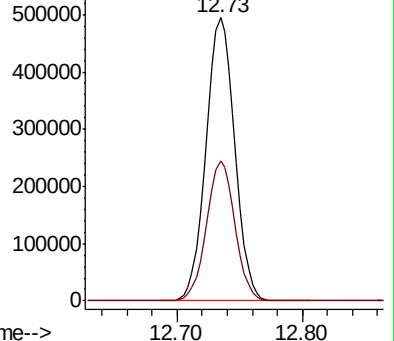
105 100

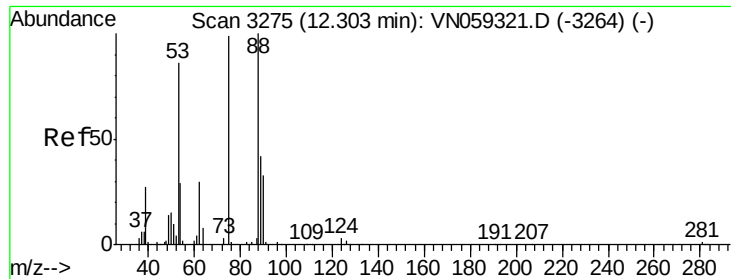
120 48.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059321.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059321.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.759 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

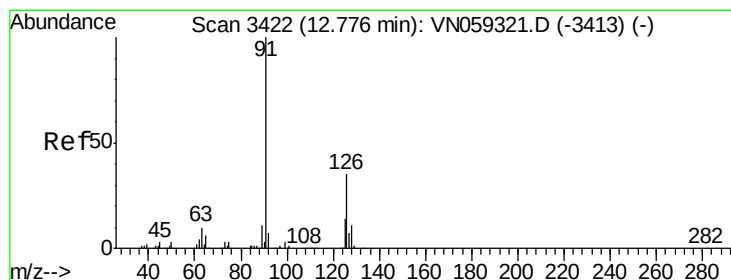
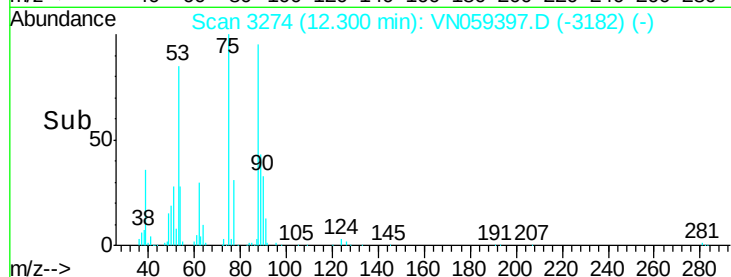
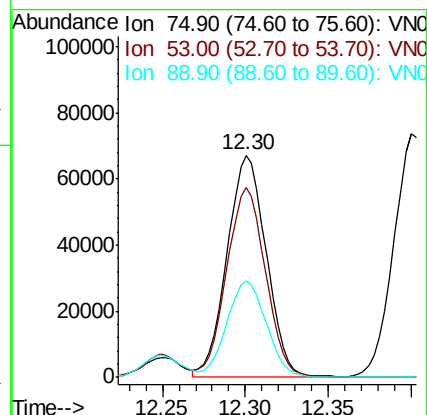
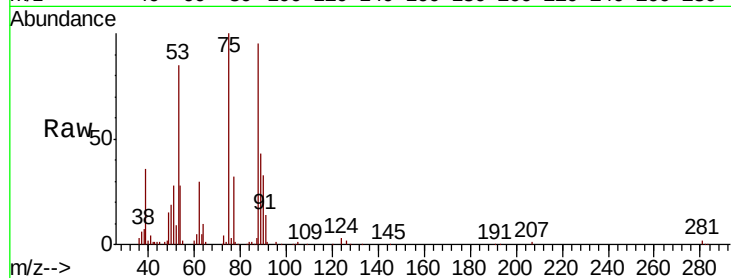
Tot Ion: 75 Resp: 110215

Ion Ratio Lower Upper

75 100

53 85.4 70.7 106.1

89 43.9 35.4 53.0



#82

4-Chlorotoluene

Concen: 44.471 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059397.D

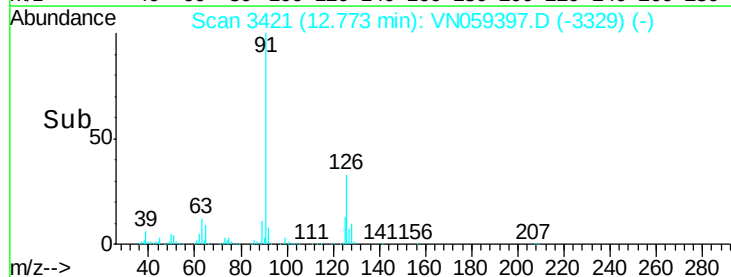
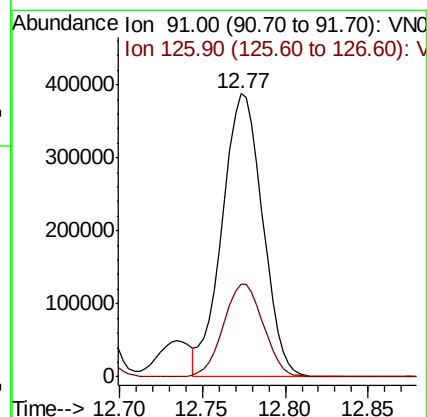
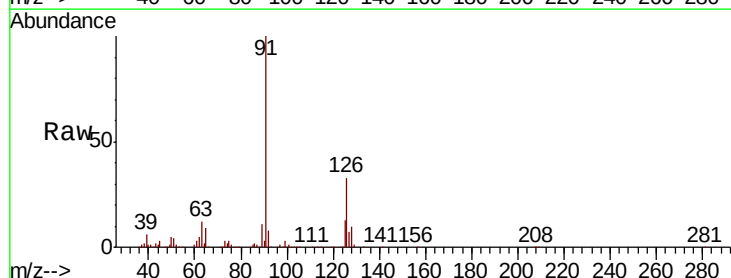
Acq: 25 Nov 2019 20:35

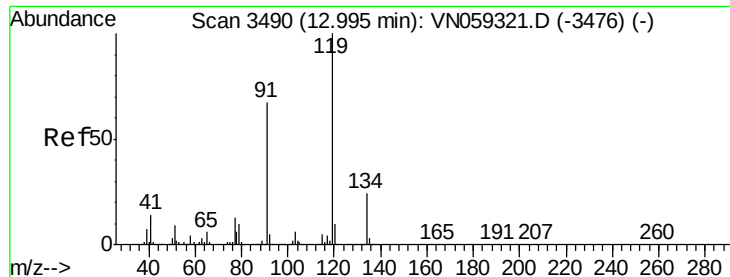
Tgt Ion: 91 Resp: 654869

Ion Ratio Lower Upper

91 100

126 32.7 16.2 48.6

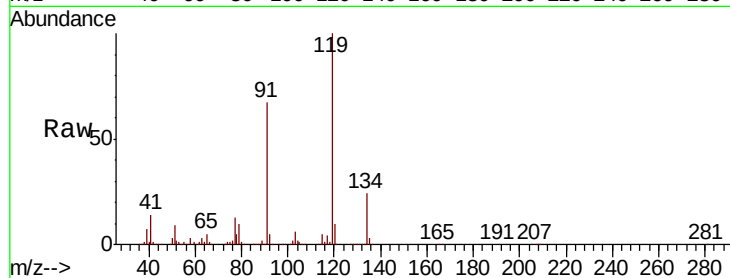




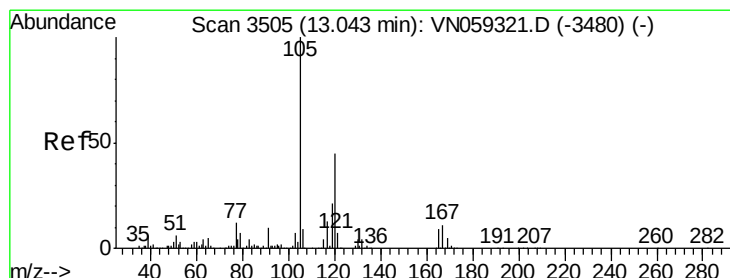
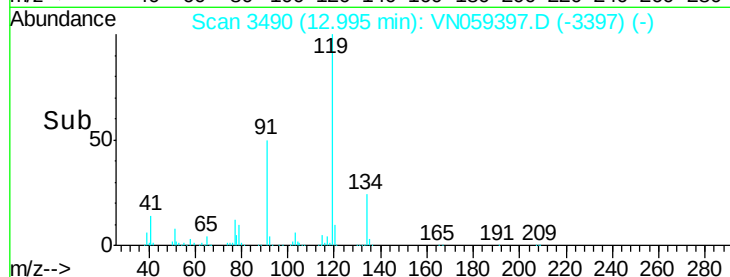
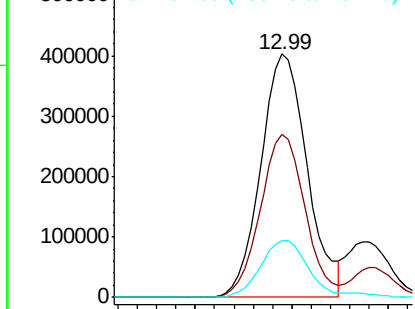
#83
 tert-Butylbenzene
 Concen: 46.152 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 670627
 Ion Ratio Lower Upper
 119 100
 91 64.6 32.8 98.4
 134 24.7 13.0 38.9

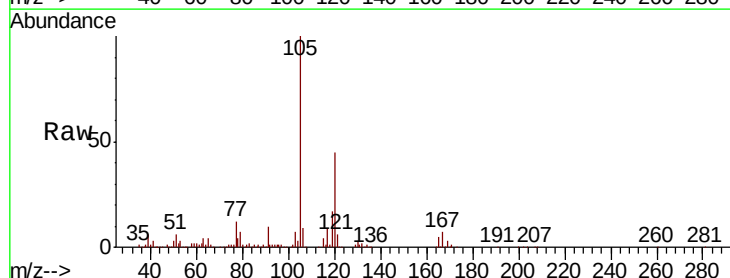


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

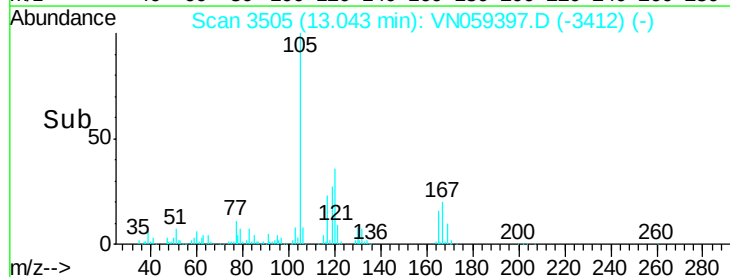
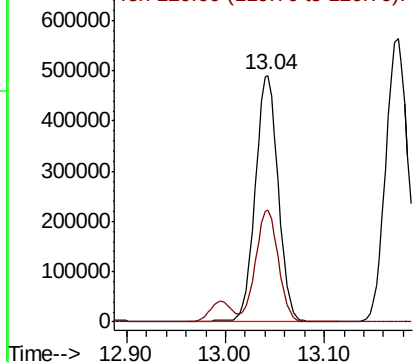


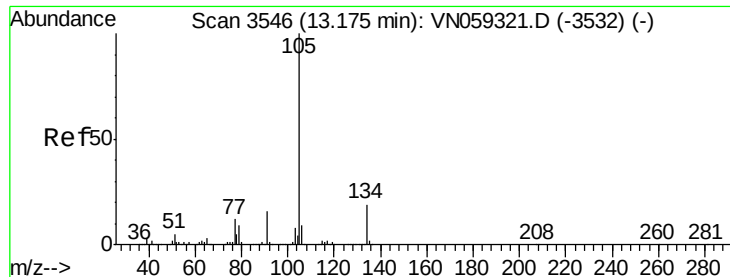
#84
 1,2,4-Trimethylbenzene
 Concen: 46.462 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion:105 Resp: 783052
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.8



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





#85

sec-Butylbenzene

Concen: 45.982 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

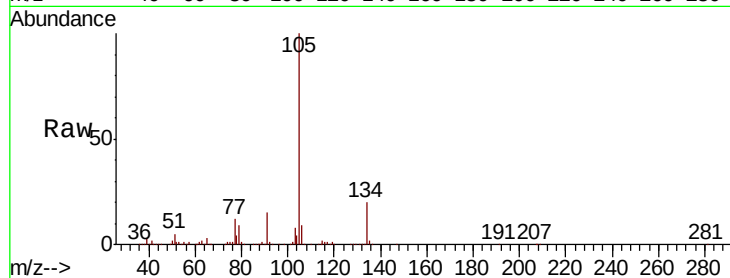
ClientSampled :

Tot Ion:105 Resp: 898043

Ion Ratio Lower Upper

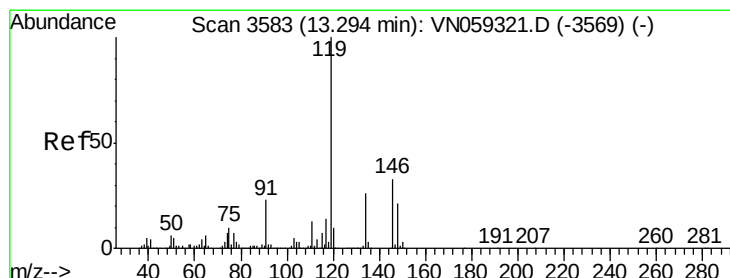
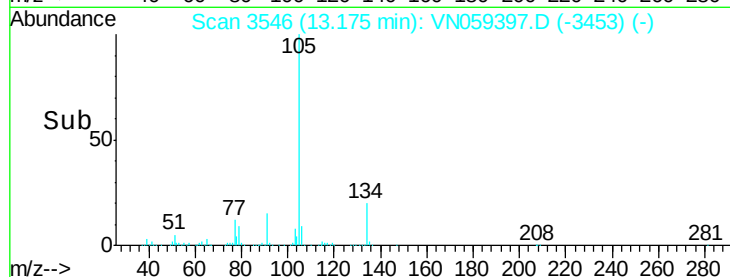
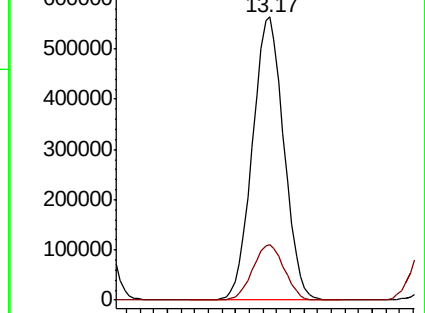
105 100

134 19.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.099 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

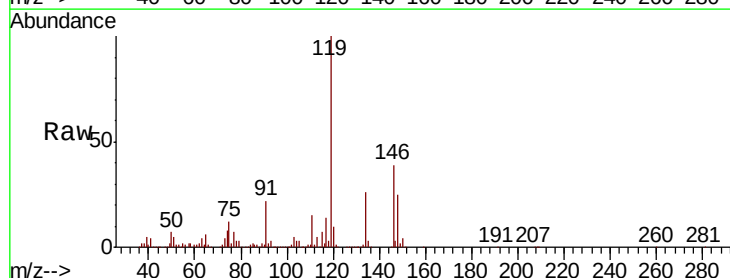
Tgt Ion:119 Resp: 818529

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

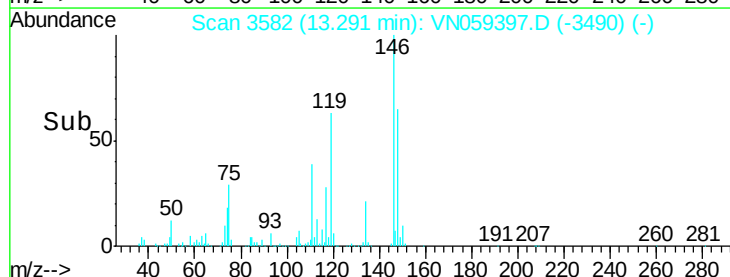
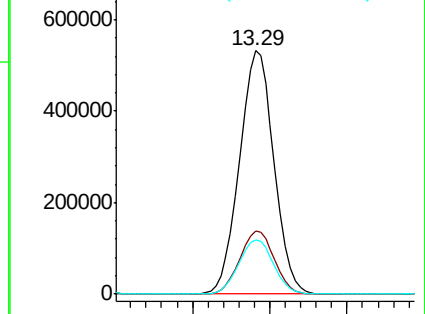
91 22.7 11.6 34.7

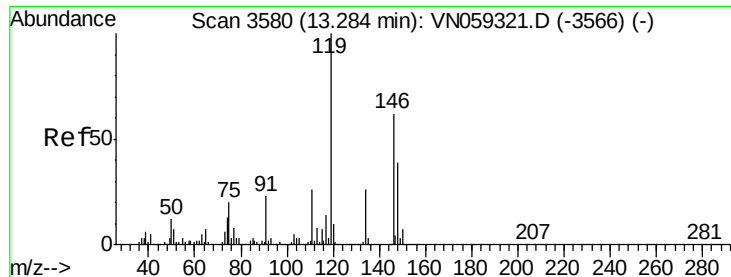


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.262 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampled :

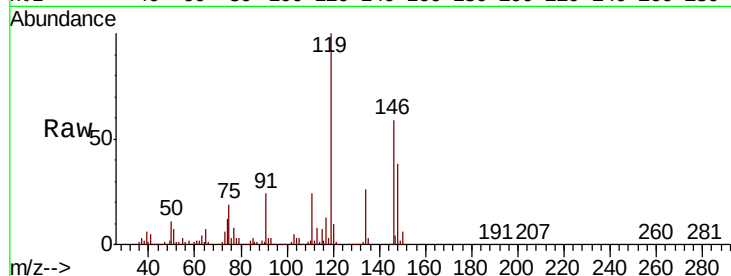
Tot Ion:146 Resp: 400140

Ion Ratio Lower Upper

146 100

111 40.3 20.6 61.8

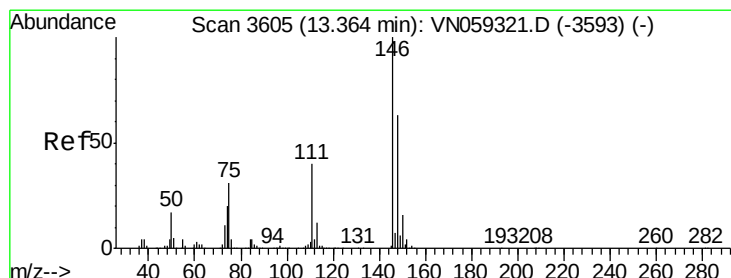
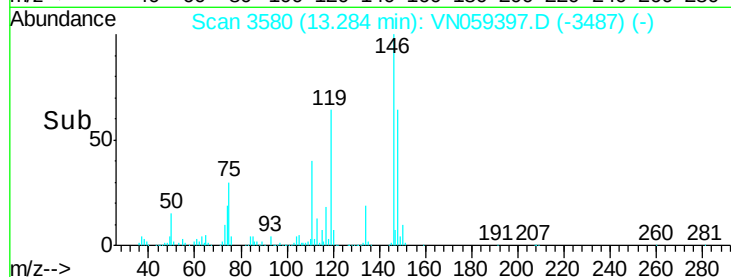
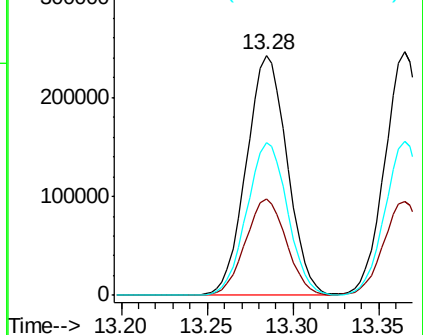
148 63.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.497 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

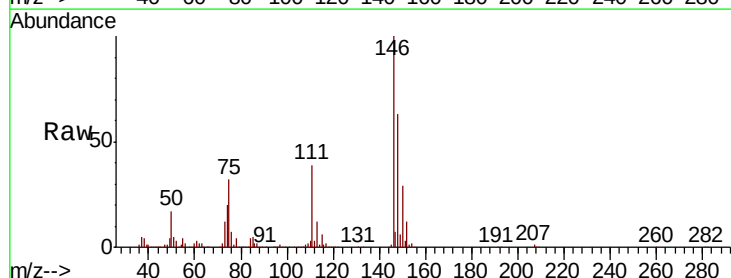
Tgt Ion:146 Resp: 397955

Ion Ratio Lower Upper

146 100

111 39.4 20.1 60.3

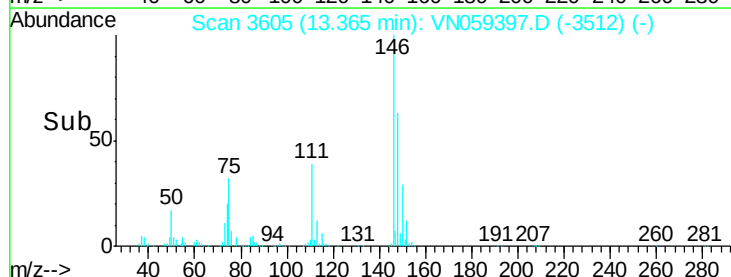
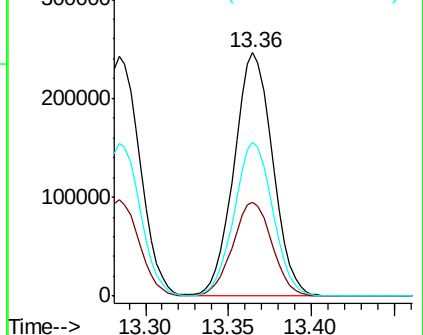
148 63.5 31.7 95.1

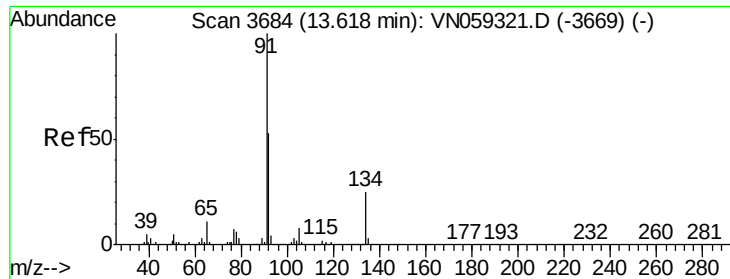


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

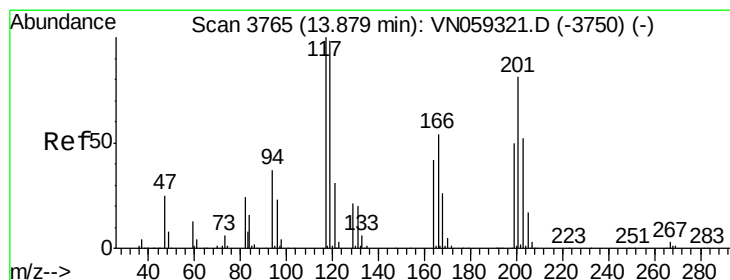
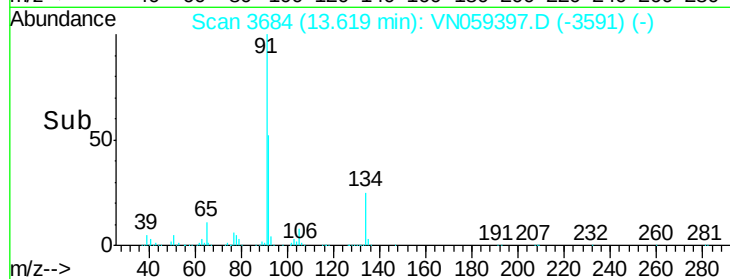
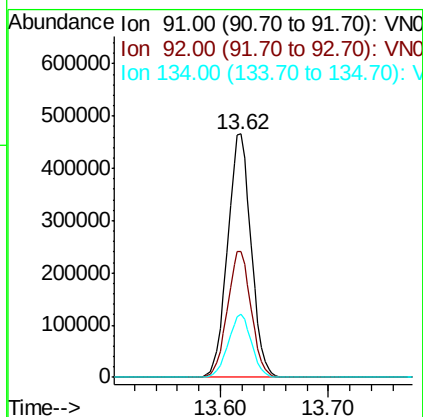
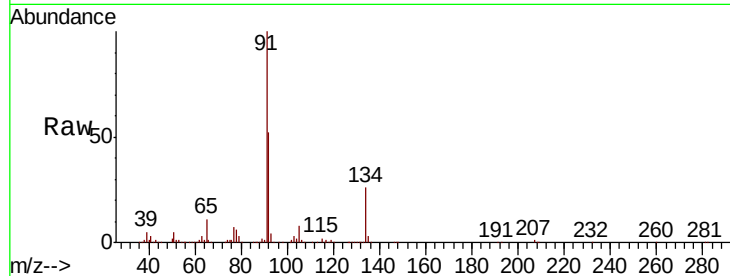




#89
n-Butylbenzene
Concen: 46.387 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

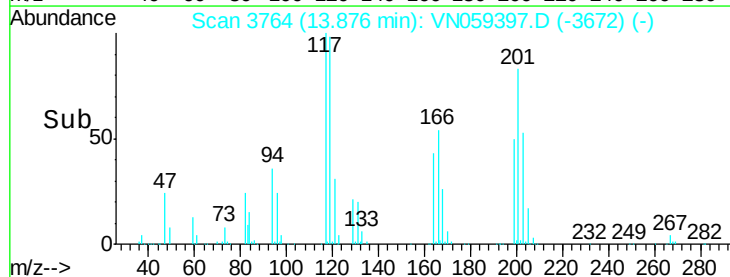
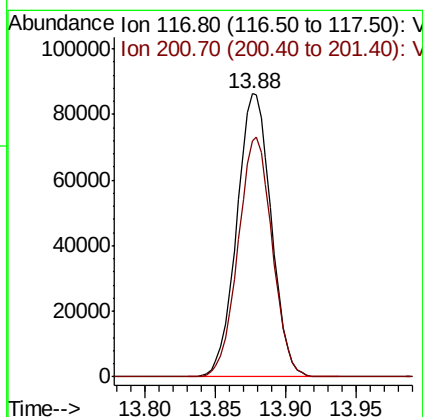
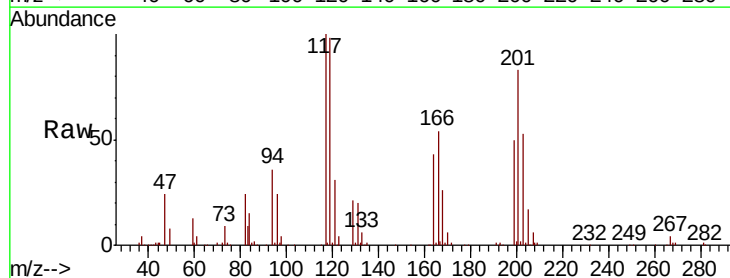
Instrument :
MSVOA_N
ClientSampled :

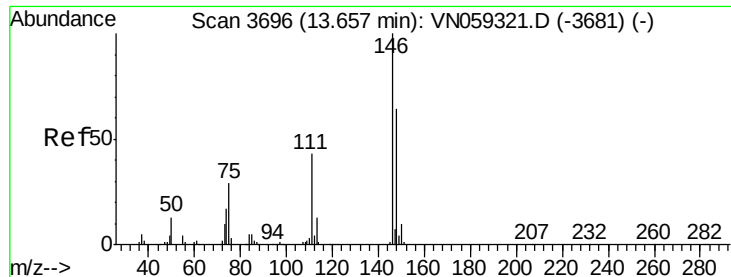
Tot Ion: 91 Resp: 707187
Ion Ratio Lower Upper
91 100
92 52.2 26.0 78.0
134 25.6 12.7 38.1



#90
Hexachloroethane
Concen: 44.871 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 117 Resp: 147685
Ion Ratio Lower Upper
117 100
201 83.7 40.4 121.2





#91

1,2-Dichlorobenzene

Concen: 46.110 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059397.D

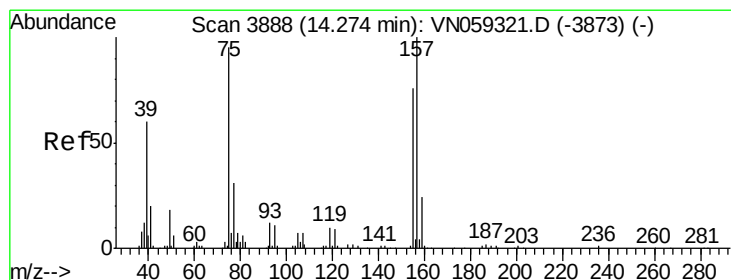
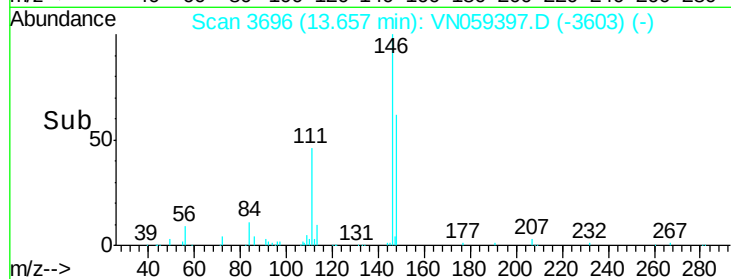
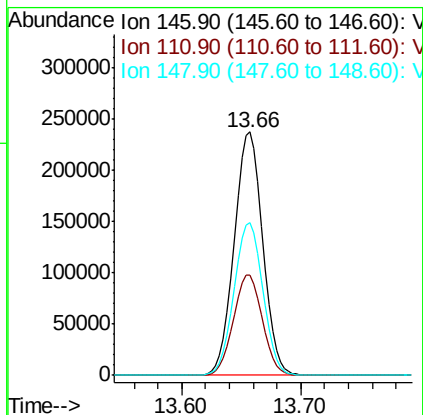
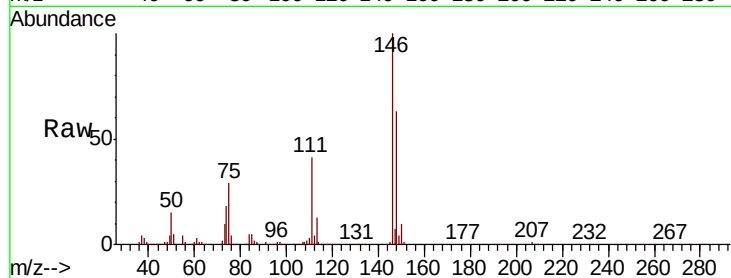
Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146	Resp:	394391
Ion Ratio	Lower	Upper
146	100	
111	41.9	21.3 64.0
148	63.7	31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.969 ug/l

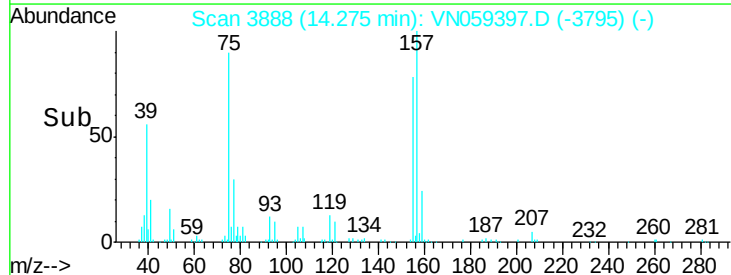
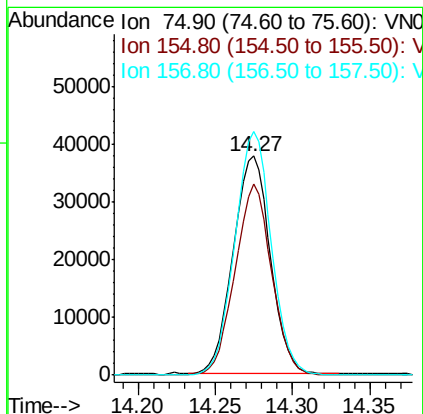
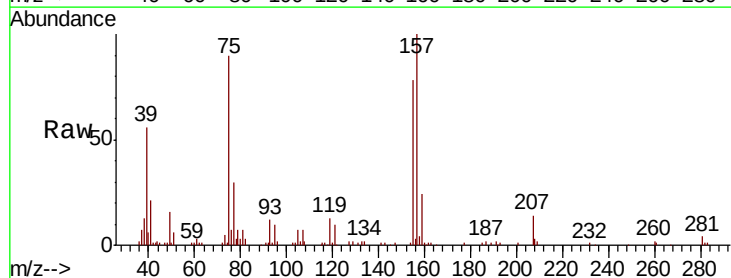
RT: 14.27 min Scan# 3888

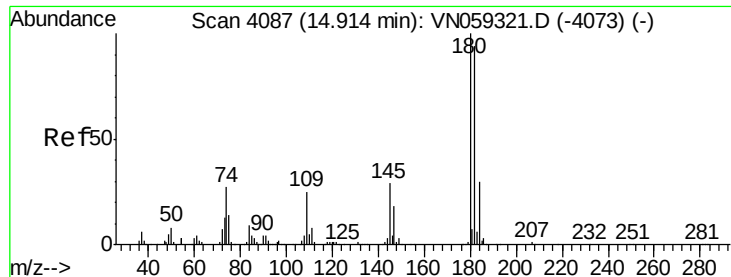
Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion: 75	Resp:	63290
Ion Ratio	Lower	Upper
75	100	
155	85.8	40.5 121.5
157	109.5	52.7 158.1

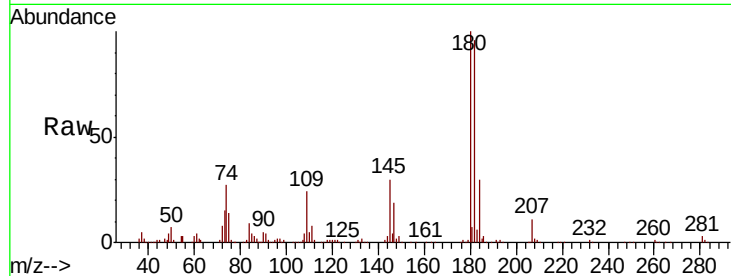




#93
 1,2,4-Trichlorobenzene
 Concen: 44.815 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.2	141.6
145	30.3	14.9	44.5

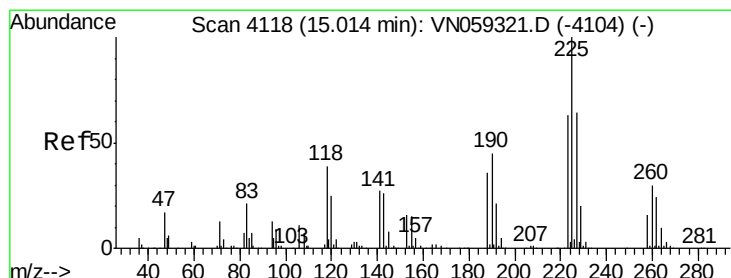
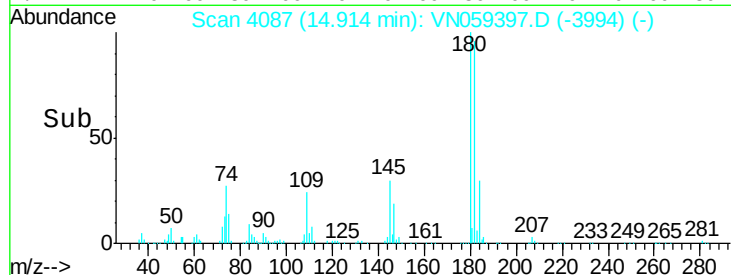
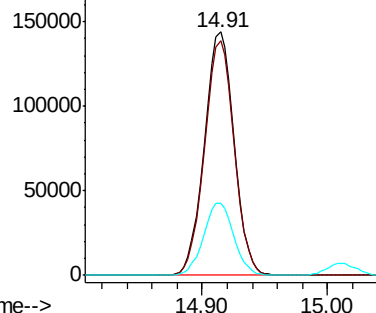


Abundance

Ion 179.80 (179.50 to 180.50): V

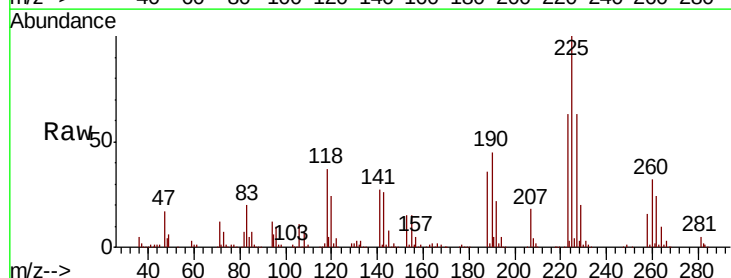
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.286 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.6	94.8
227	63.3	32.6	97.7

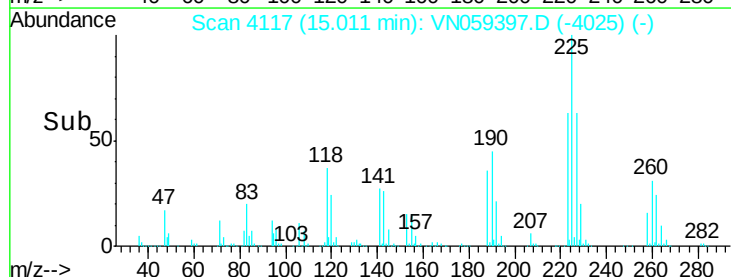
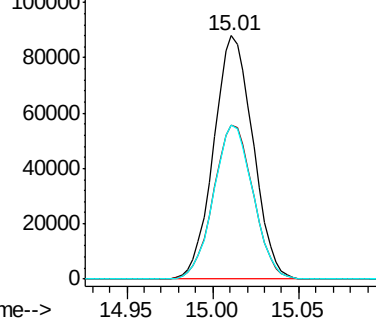


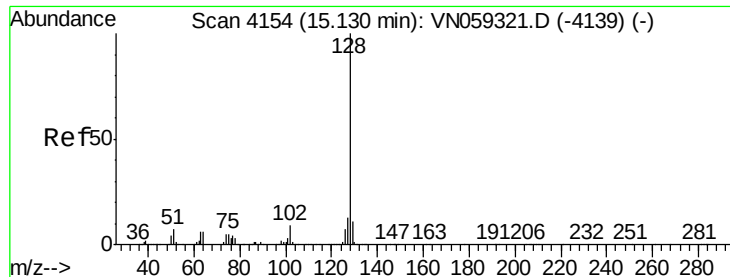
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

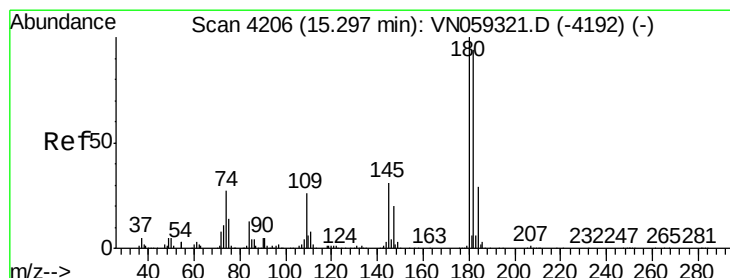
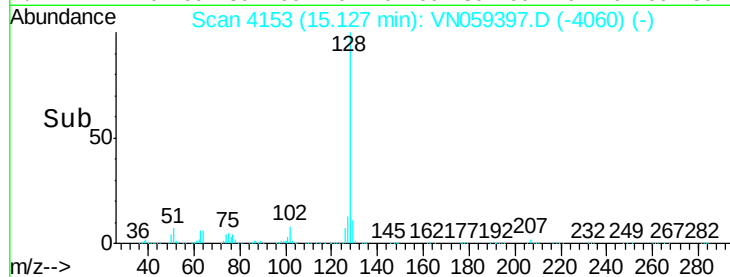
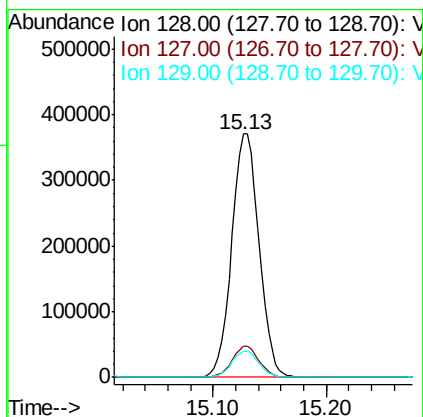
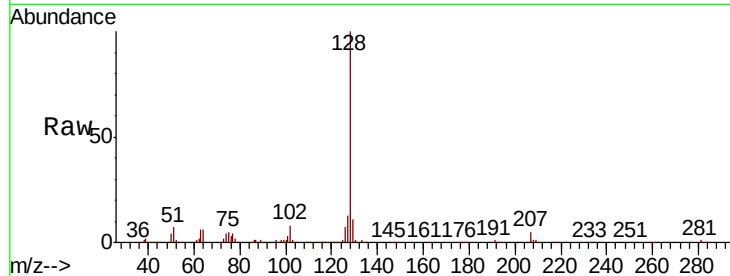




#95
Naphthalene
Concen: 42.788 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 623096
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 45.361 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion:180 Resp: 235893
Ion Ratio Lower Upper
180 100
182 96.0 47.1 141.4
145 31.9 15.6 46.8

