

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
 Data File : VN059058.D
 Acq On : 1 Nov 2019 12:59
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:23:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	535614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	839319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	771710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368911	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	353109	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
35) Dibromofluoromethane	7.57	113	271292	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	10.08	98	1089115	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	395778	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	272432	42.049	ug/l	100
3) Chloromethane	2.04	50	362120	44.507	ug/l	100
4) Vinyl Chloride	2.17	62	356389	44.297	ug/l	100
5) Bromomethane	2.54	94	206903	41.796	ug/l	100
6) Chloroethane	2.68	64	209036	40.898	ug/l	100
7) Trichlorofluoromethane	2.99	101	428783	43.373	ug/l	100
8) Diethyl Ether	3.39	74	171125	48.676	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	254598	45.634	ug/l	100
10) Methyl Iodide	3.93	142	316989	44.051	ug/l	100
11) Tert butyl alcohol	4.75	59	312209	239.923	ug/l	100
12) 1,1-Dichloroethene	3.71	96	249811	47.627	ug/l	100
13) Acrolein	3.58	56	208640	237.688	ug/l	100
14) Allyl chloride	4.29	41	506018	47.777	ug/l	100
15) Acrylonitrile	4.95	53	802482	246.854	ug/l	100
16) Acetone	3.79	43	890104	234.538	ug/l	100
17) Carbon Disulfide	4.03	76	784913	46.666	ug/l	100
18) Methyl Acetate	4.29	43	405460	46.148	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	874342	47.907	ug/l	100
20) Methylene Chloride	4.52	84	290360	44.202	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	270733	46.962	ug/l	100
22) Diisopropyl ether	5.92	45	991745	48.130	ug/l	100
23) Vinyl Acetate	5.87	43	4177335	253.621	ug/l	100
24) 1,1-Dichloroethane	5.82	63	539616	45.159	ug/l	100
25) 2-Butanone	6.81	43	1190616	240.148	ug/l	100
26) 2,2-Dichloropropane	6.80	77	462583	44.923	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	309750	47.125	ug/l	100
28) Bromochloromethane	7.17	49	166265	42.416	ug/l	100
29) Tetrahydrofuran	7.19	42	743941	244.695	ug/l	100
30) Chloroform	7.35	83	513360	43.116	ug/l	100
31) Cyclohexane	7.63	56	507114	45.636	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	444499	44.396	ug/l	100
36) 1,1-Dichloropropene	7.77	75	401311	47.484	ug/l	100
37) Ethyl Acetate	6.90	43	454546	49.267	ug/l	100
38) Carbon Tetrachloride	7.75	117	393461	45.259	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	487174	50.897	ug/l	100
40) Benzene	8.02	78	1196738	48.020	ug/l	100
41) Methacrylonitrile	7.18	41	647092	154.786	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	407453	43.095	ug/l	100
43) Isopropyl Acetate	8.15	43	721119	48.639	ug/l	100
44) Trichloroethene	8.82	130	290714	47.777	ug/l	100
45) 1,2-Dichloropropane	9.10	63	324317	47.488	ug/l	100
46) Dibromomethane	9.19	93	197331	45.886	ug/l	100
47) Bromodichloromethane	9.39	83	404941	45.796	ug/l	100
48) Methyl methacrylate	9.18	41	329369	49.279	ug/l	100
49) 1,4-Dioxane	9.18	88	117860	1048.524	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2221782	257.799	ug/l	100
52) Toluene	10.15	92	727550	49.328	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	473728	48.260	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	516579	49.132	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	282612	46.444	ug/l	100
56) Ethyl methacrylate	10.42	69	473151	52.666	ug/l	100
57) 1,3-Dichloropropane	10.70	76	499709	46.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	843609	223.311	ug/l	100
59) 2-Hexanone	10.75	43	1714438	257.892	ug/l	100
60) Dibromochloromethane	10.90	129	313417	47.914	ug/l	100
61) 1,2-Dibromoethane	11.00	107	296413	47.699	ug/l	100
64) Tetrachloroethene	10.63	164	254047	47.534	ug/l	100
65) Chlorobenzene	11.43	112	757634	48.703	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	281785	48.088	ug/l	100
67) Ethyl Benzene	11.51	91	1405729	51.644	ug/l	100
68) m/p-Xylenes	11.62	106	1036652	102.838	ug/l	100
69) o-Xylene	11.95	106	494652	51.312	ug/l	100
70) Styrene	11.96	104	832997	52.989	ug/l	100
71) Bromoform	12.13	173	227379	49.800	ug/l #	100
73) Isopropylbenzene	12.25	105	1342520	50.222	ug/l	100
74) N-amyl acetate	12.07	43	617207	51.255	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	444933	47.348	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	594716	69.504	ug/l #	100
77) Bromobenzene	12.53	156	318737	48.303	ug/l	100
78) n-propylbenzene	12.59	91	1604211	50.830	ug/l	100
79) 2-Chlorotoluene	12.68	91	942161	48.704	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1140953	50.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	168585	51.429	ug/l	100
82) 4-Chlorotoluene	12.78	91	969155	49.167	ug/l	100
83) tert-Butylbenzene	13.00	119	956740	49.909	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1148542	52.056	ug/l	100
85) sec-Butylbenzene	13.17	105	1302663	51.085	ug/l	100
86) p-Isopropyltoluene	13.29	119	1186122	52.635	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	572659	48.671	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	569436	48.372	ug/l	100
89) n-Butylbenzene	13.62	91	1047203	50.896	ug/l	100
90) Hexachloroethane	13.88	117	217259	47.500	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	560192	48.532	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91392	43.498	ug/l	100

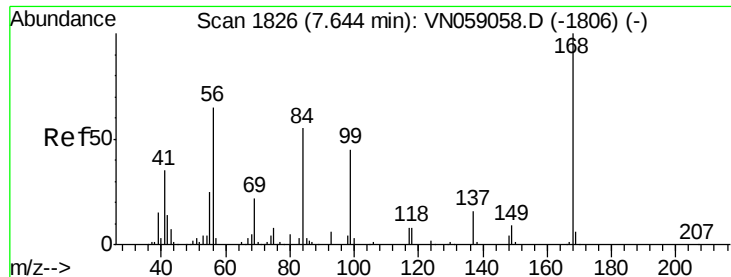
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	323718	51.094	ug/l	100
94) Hexachlorobutadiene	15.01	225	182893	48.636	ug/l	100
95) Naphthalene	15.13	128	904258	51.525	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	315374	50.580	ug/l	100

(#) = 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: VN059058.D

Acq: 1 Nov 2019 12:59

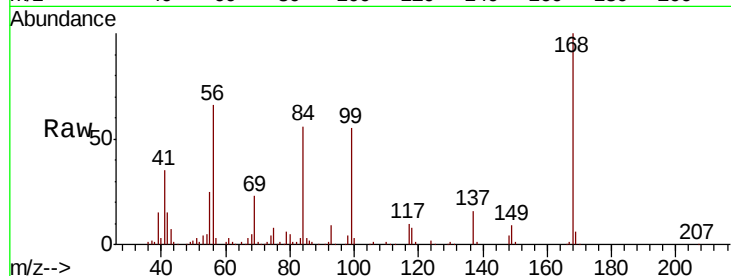
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 535614

Ion Ratio Lower Upper

168 100

99 55.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

250000

200000

150000

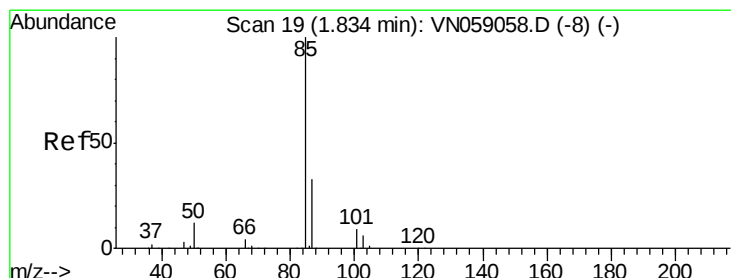
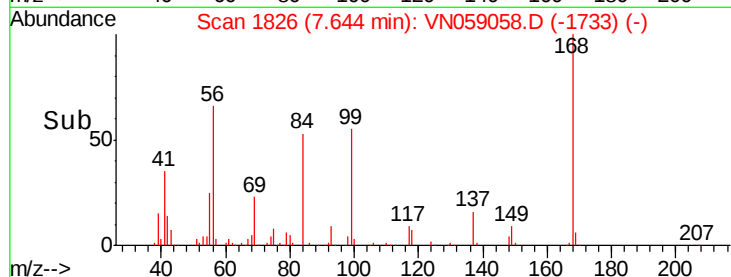
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.049 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059058.D

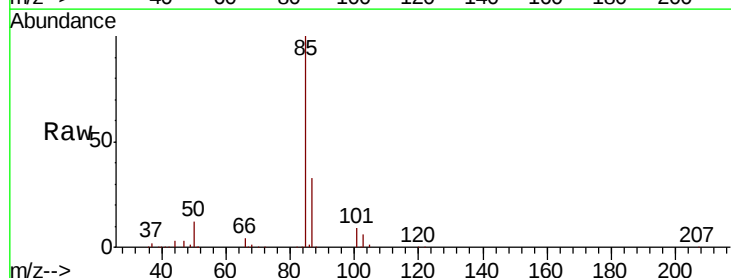
Acq: 1 Nov 2019 12:59

Tgt Ion: 85 Resp: 272432

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

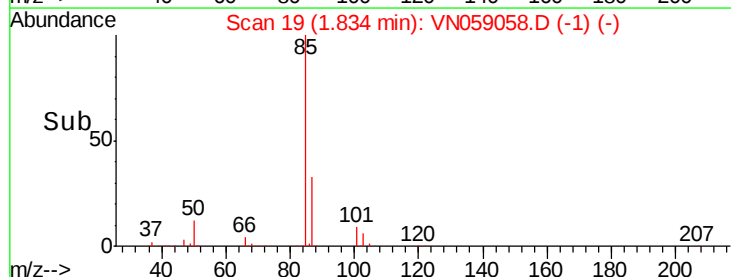
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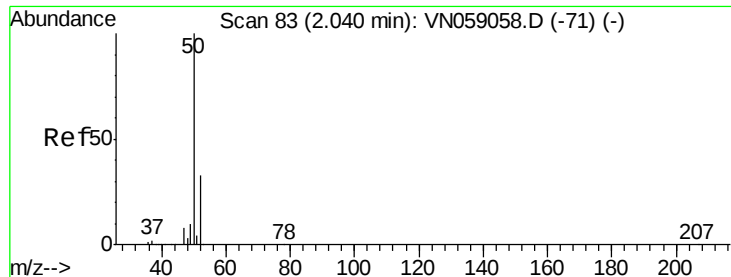
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.507 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

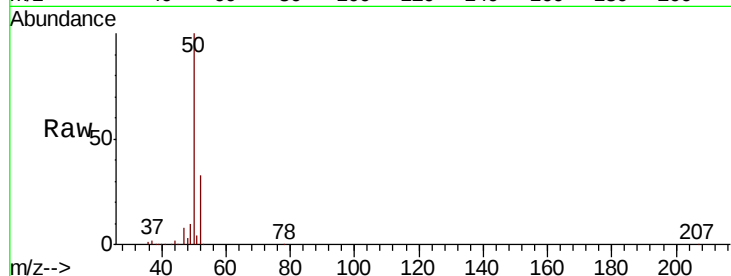
ClientSampled :

Tot Ion: 50 Resp: 362120

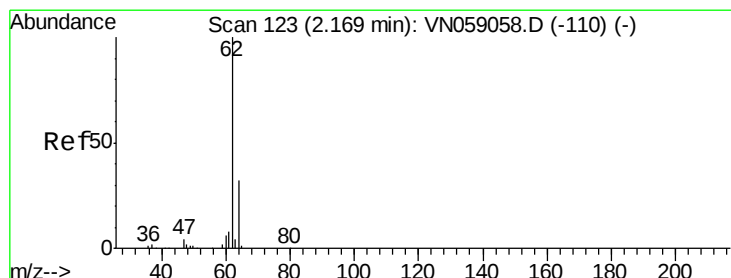
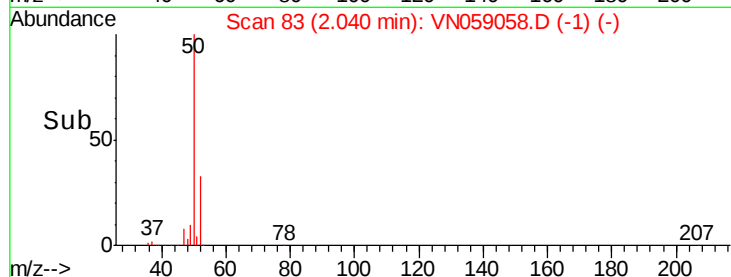
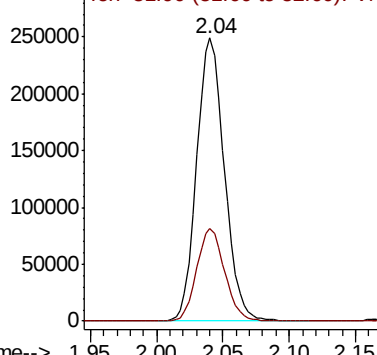
Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 44.297 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059058.D

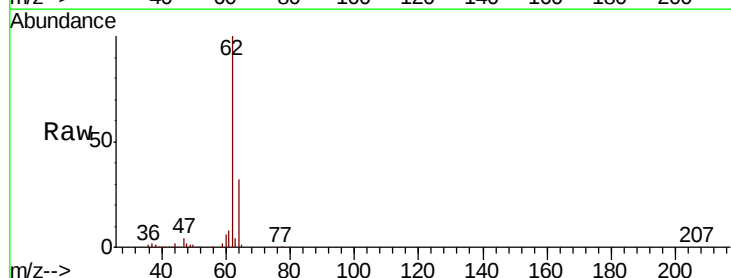
Acq: 1 Nov 2019 12:59

Tgt Ion: 62 Resp: 356389

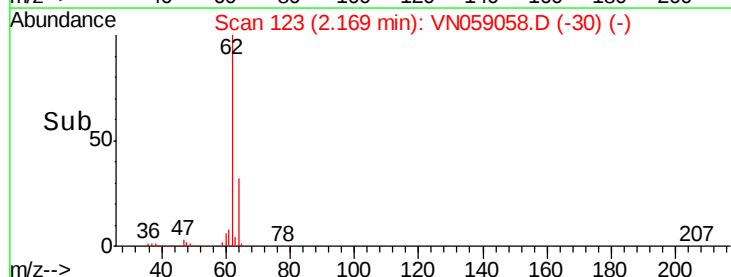
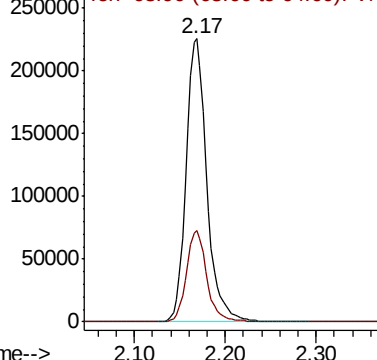
Ion Ratio Lower Upper

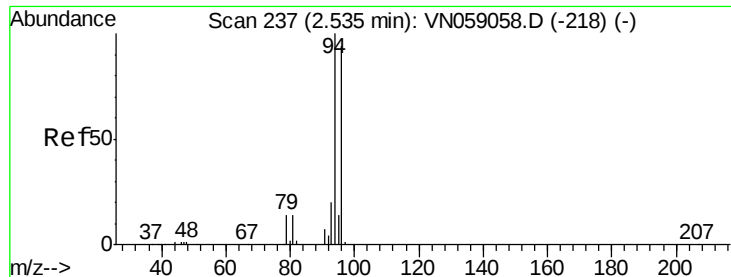
62 100

64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 41.796 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

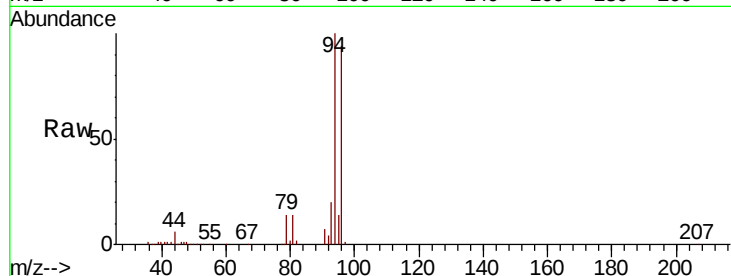
ClientSampled :

Tot Ion: 94 Resp: 206903

Ion Ratio Lower Upper

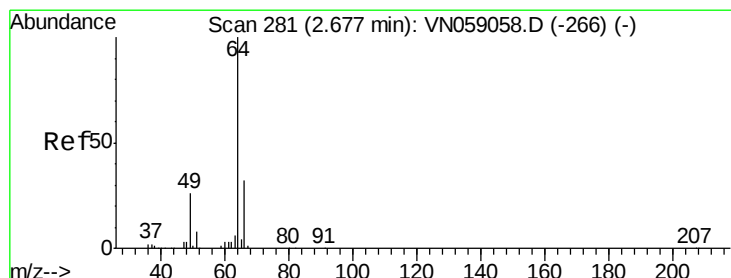
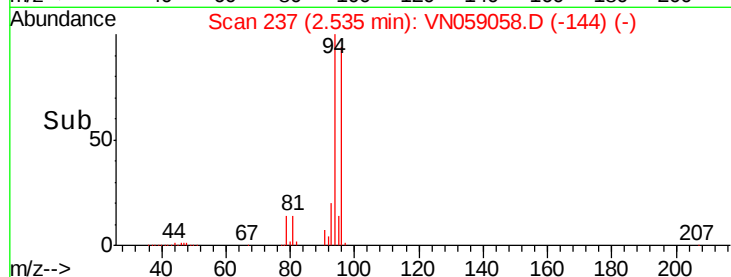
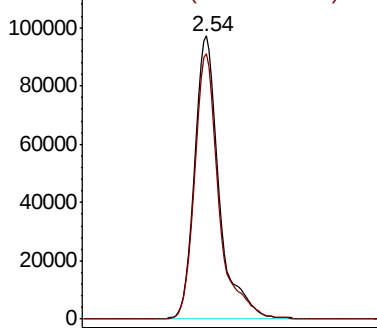
94 100

96 93.9 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 40.898 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN059058.D

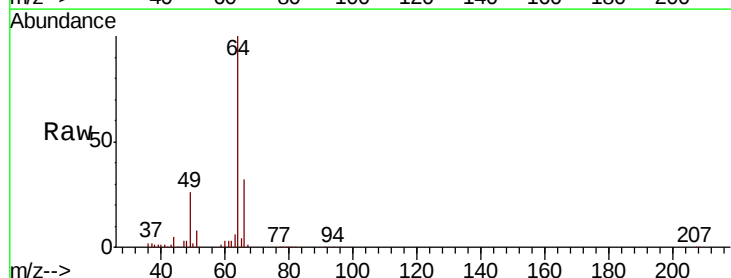
Acq: 1 Nov 2019 12:59

Tgt Ion: 64 Resp: 209036

Ion Ratio Lower Upper

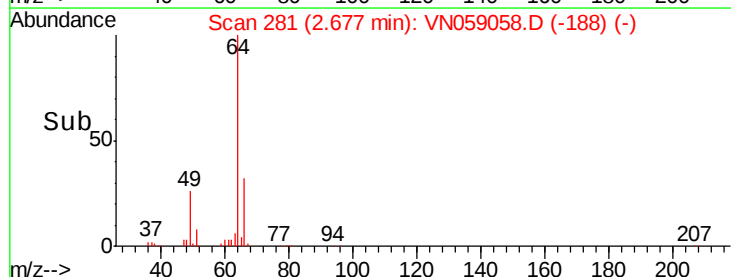
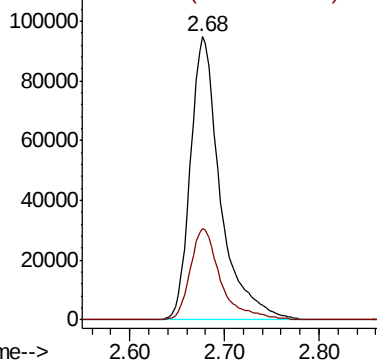
64 100

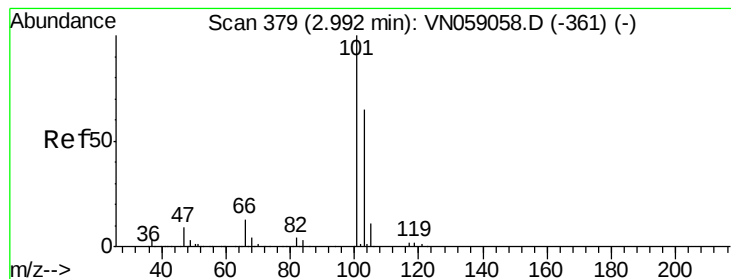
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



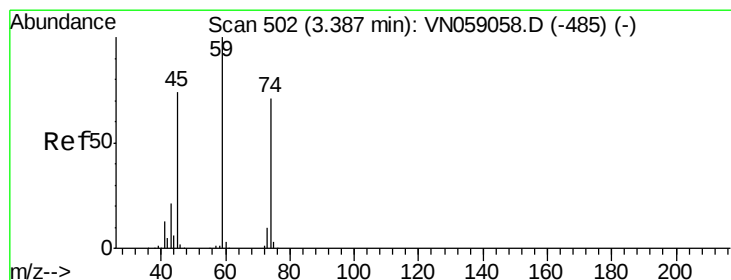
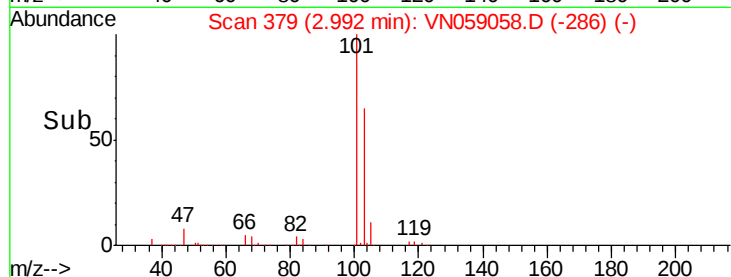
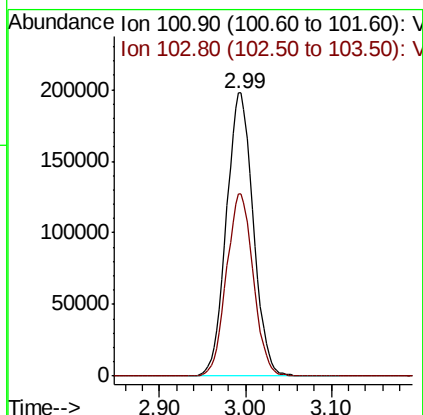
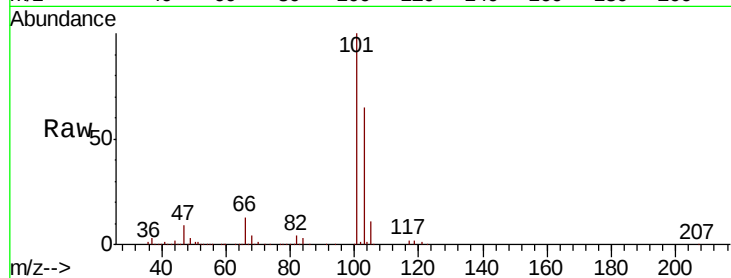


#7

Trichlorofluoromethane
 Concen: 43.373 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
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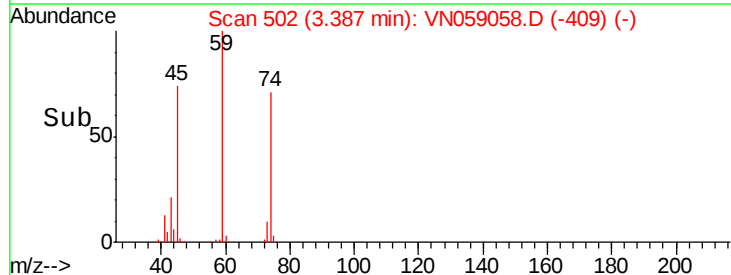
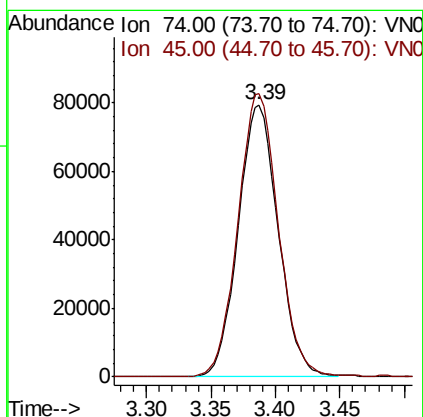
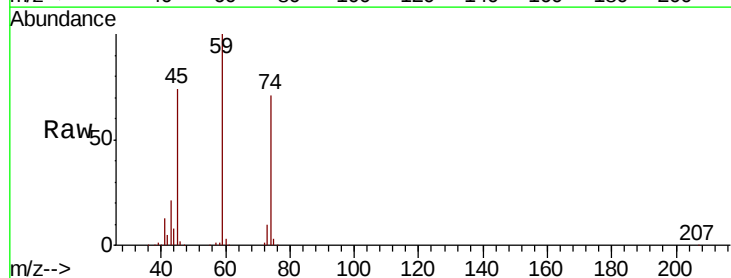
Tot Ion:101 Resp: 428783
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5

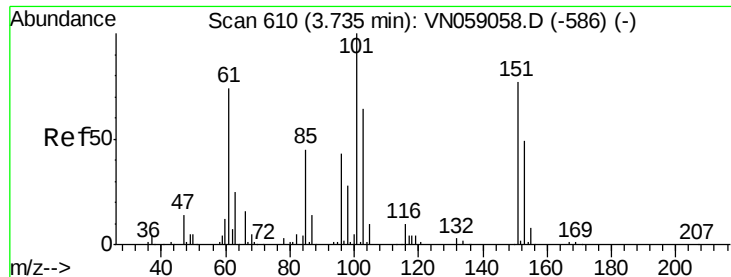


#8

Diethyl Ether
 Concen: 48.676 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion: 74 Resp: 171125
 Ion Ratio Lower Upper
 74 100
 45 105.5 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.634 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

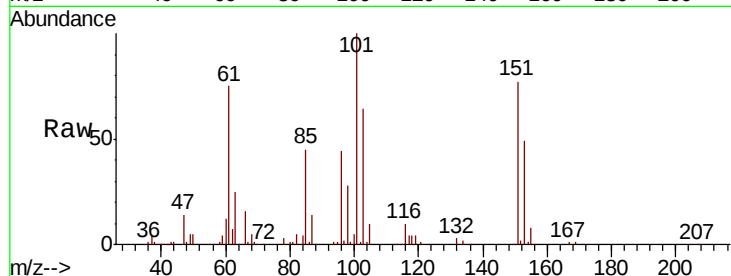
Tot Ion:101 Resp: 254598

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.6

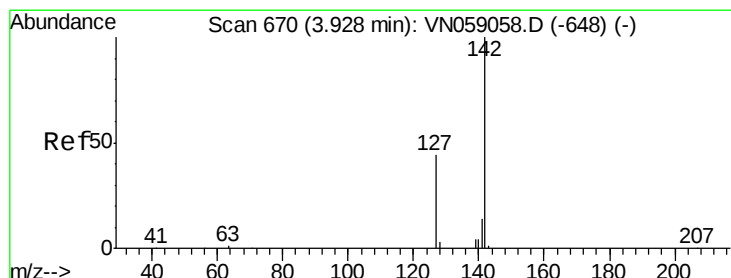
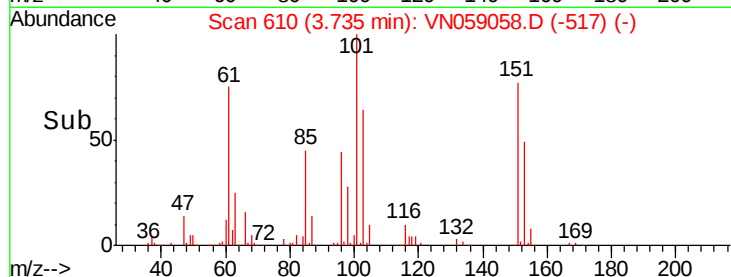
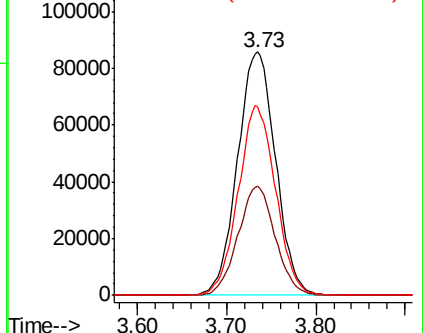
151 76.6 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.051 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

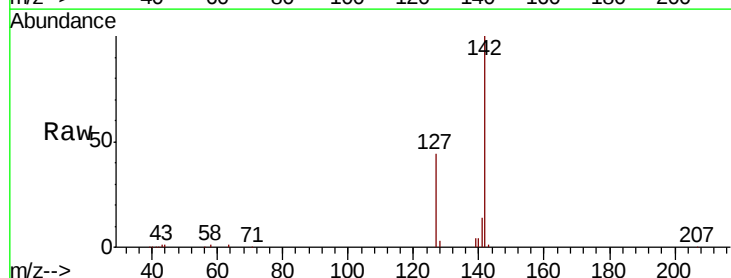
Tgt Ion:142 Resp: 316989

Ion Ratio Lower Upper

142 100

127 42.7 34.2 51.2

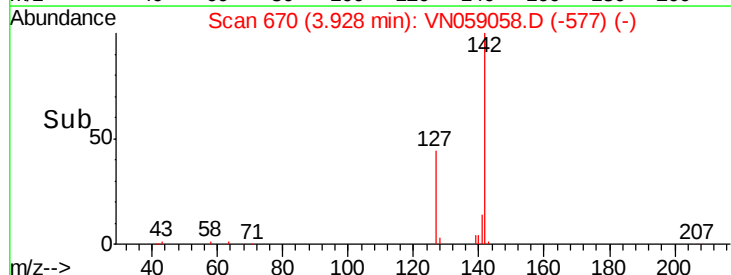
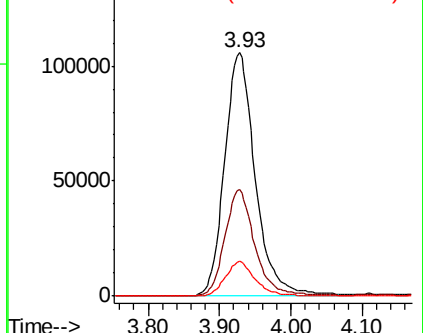
141 13.9 11.1 16.7

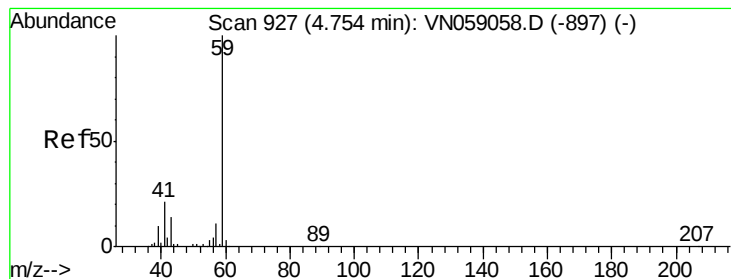


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



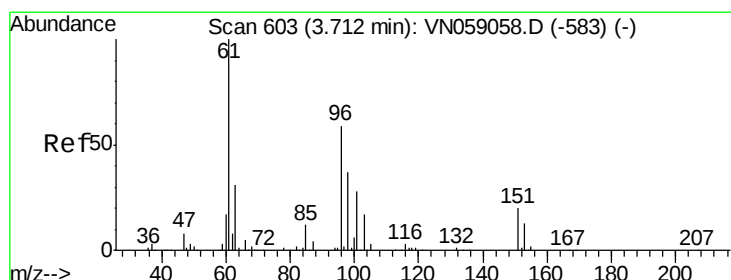
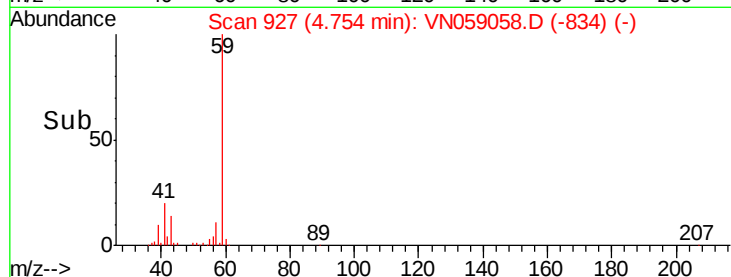
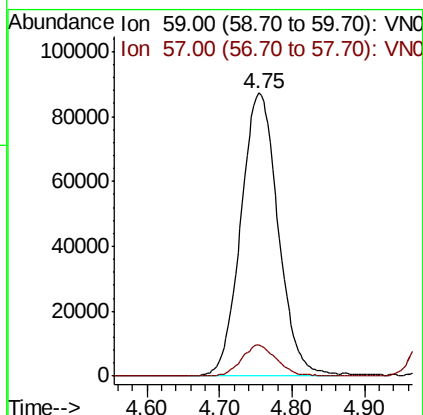
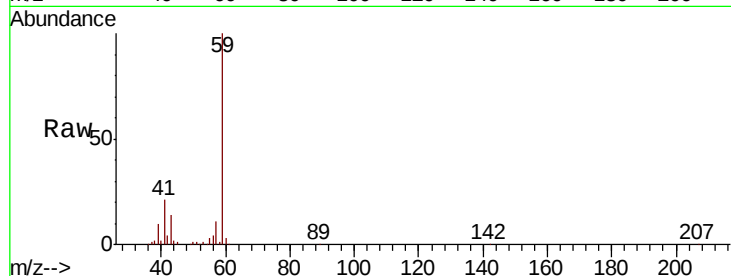


#11

Tert butyl alcohol
Concen: 239.923 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampled :

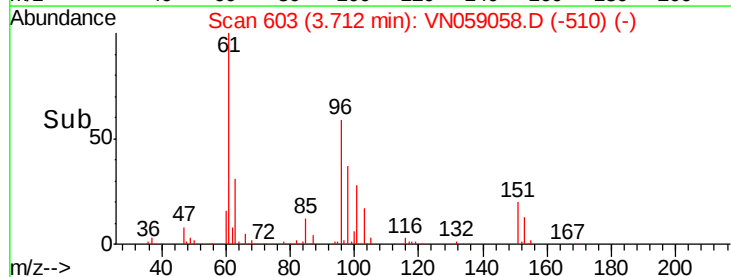
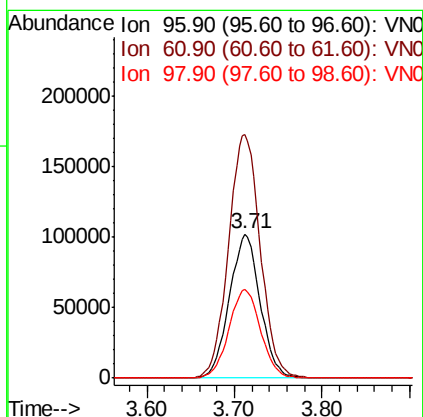
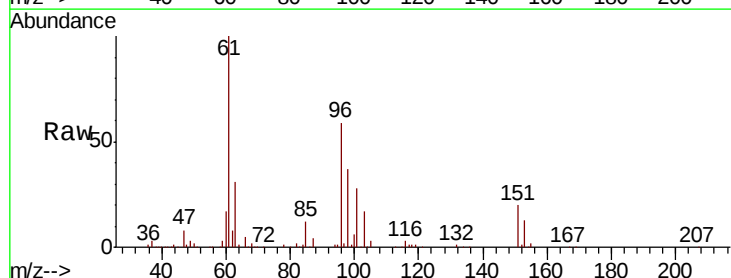
Tot Ion: 59 Resp: 312209
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

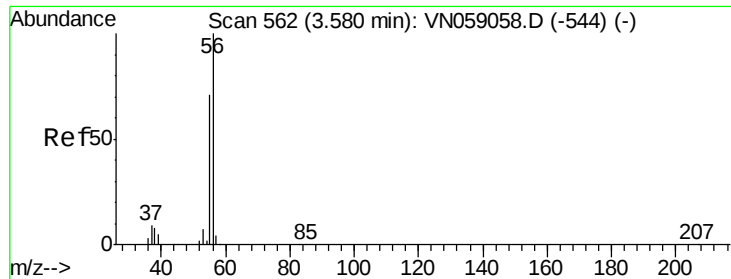


#12

1,1-Dichloroethene
Concen: 47.627 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 96 Resp: 249811
Ion Ratio Lower Upper
96 100
61 169.1 135.3 202.9
98 61.8 49.4 74.2





#13

Acrolein

Concen: 237.688 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

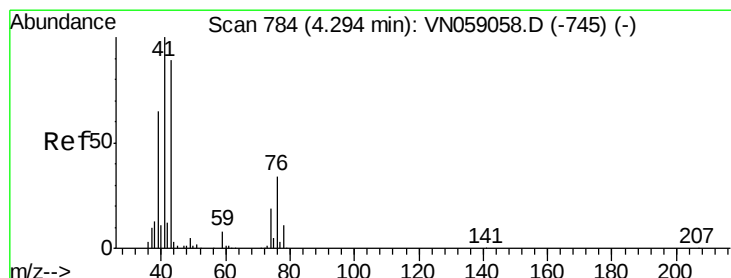
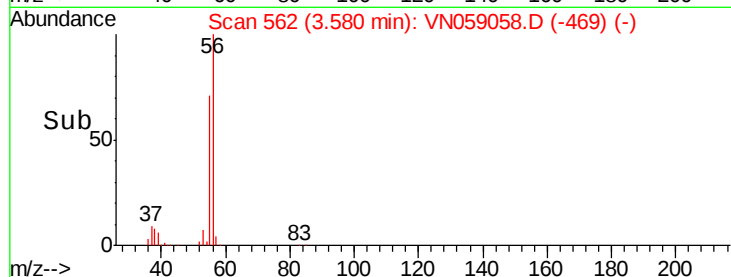
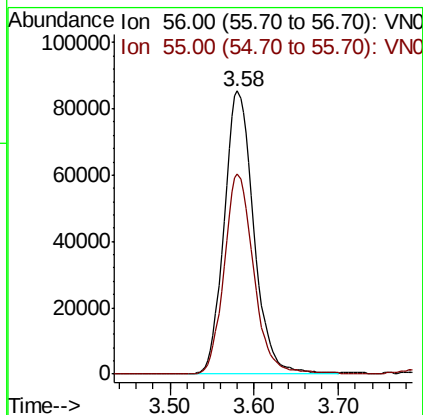
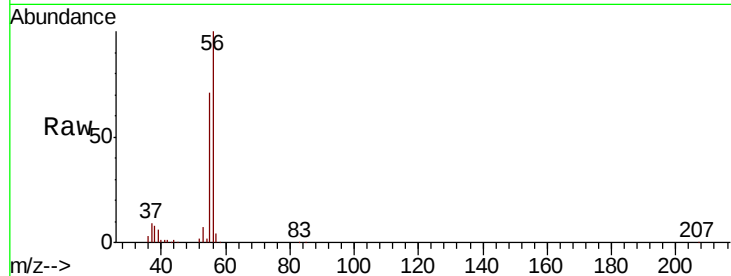
ClientSampleId :

Tot Ion: 56 Resp: 208640

Ion Ratio Lower Upper

56 100

55 70.1 56.1 84.1



#14

Allyl chloride

Concen: 47.777 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

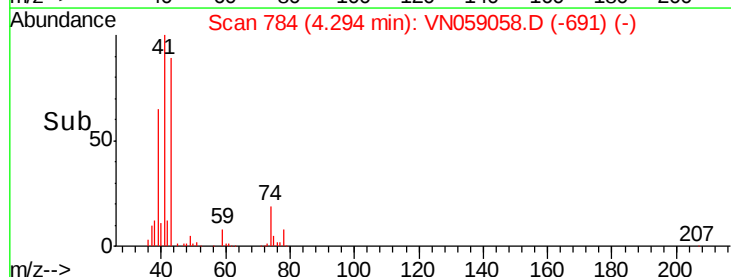
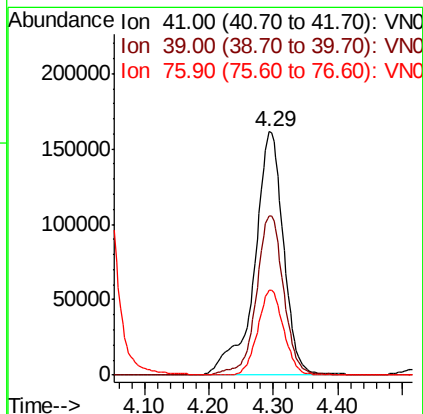
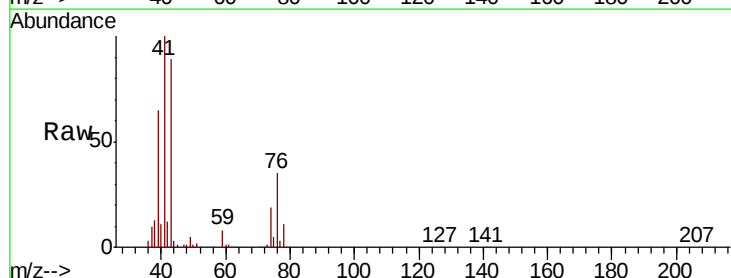
Tgt Ion: 41 Resp: 506018

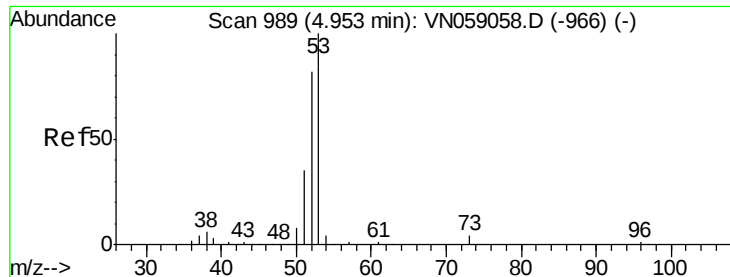
Ion Ratio Lower Upper

41 100

39 61.8 49.4 74.2

76 30.8 24.6 37.0





#15

Acrylonitrile

Concen: 246.854 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

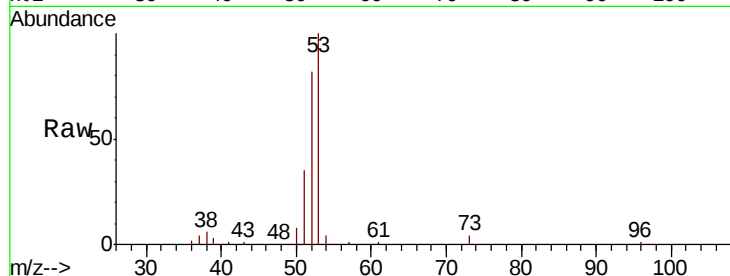
Tot Ion: 53 Resp: 802482

Ion Ratio Lower Upper

53 100

52 82.5 66.0 99.0

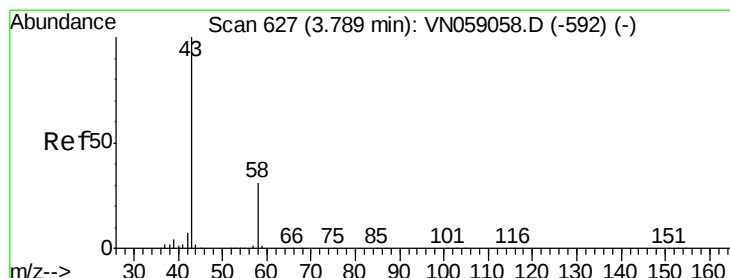
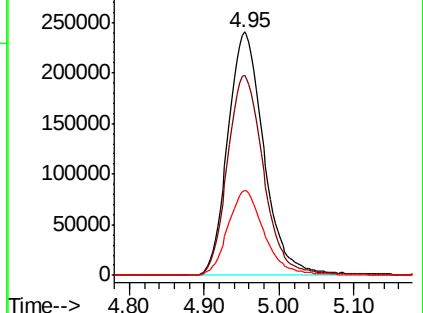
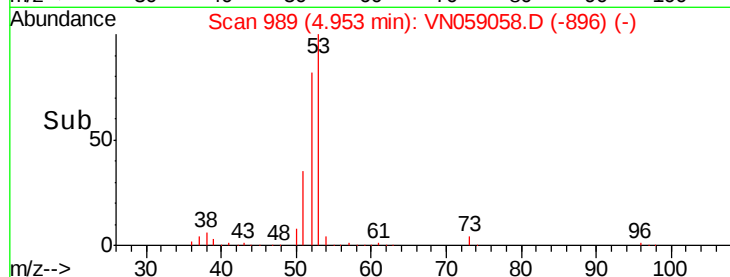
51 35.4 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 234.538 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059058.D

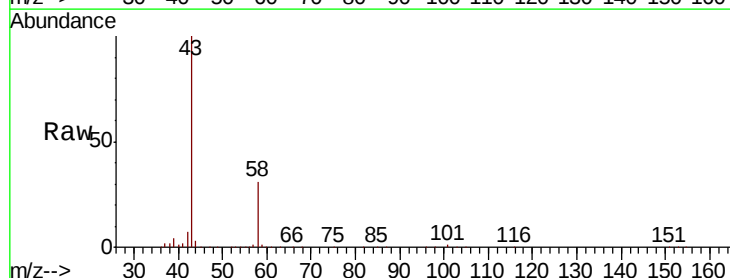
Acq: 1 Nov 2019 12:59

Tgt Ion: 43 Resp: 890104

Ion Ratio Lower Upper

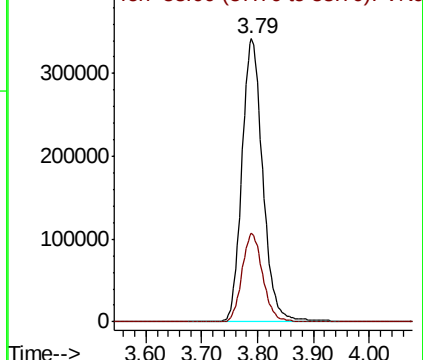
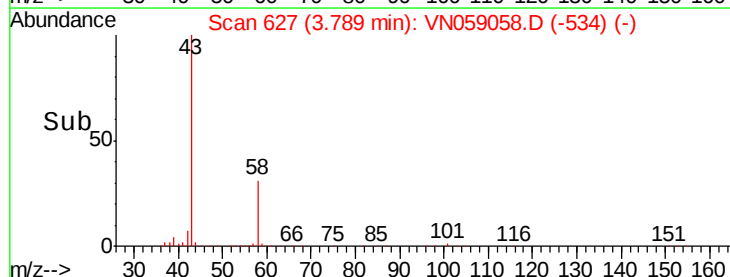
43 100

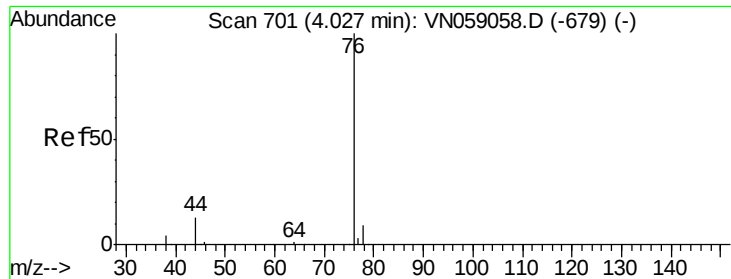
58 31.3 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

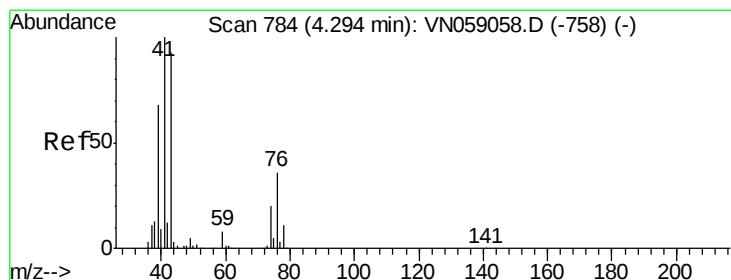
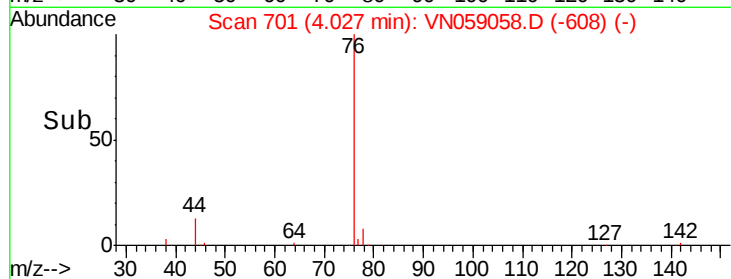
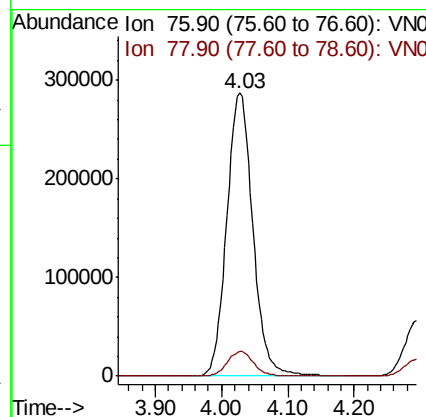
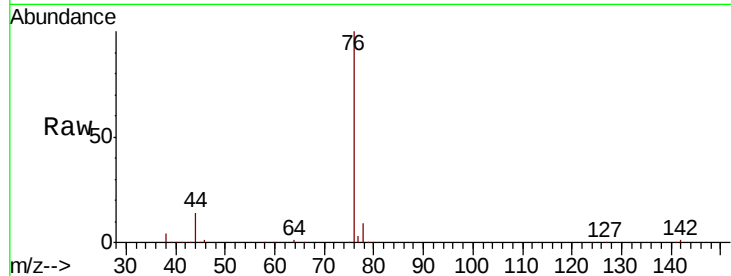




#17
Carbon Disulfide
Concen: 46.666 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

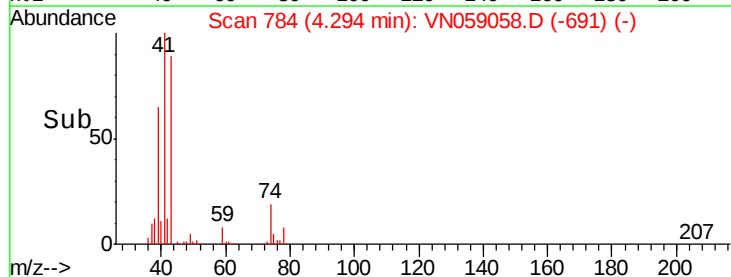
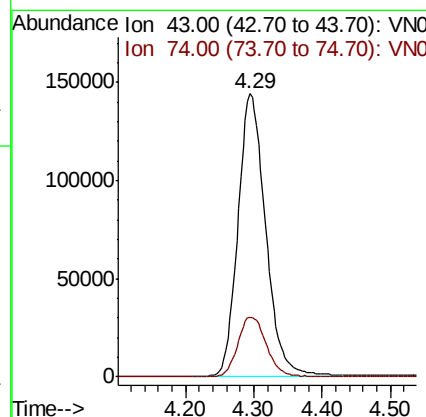
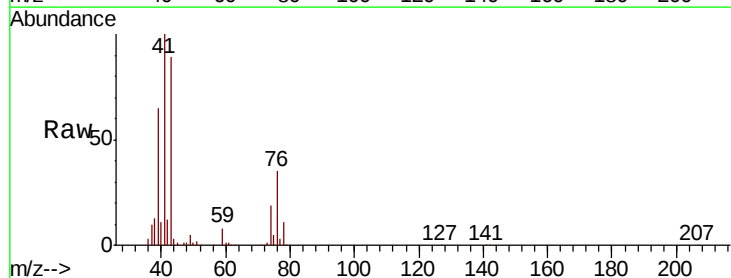
Instrument :
MSVOA_N
ClientSampleId :

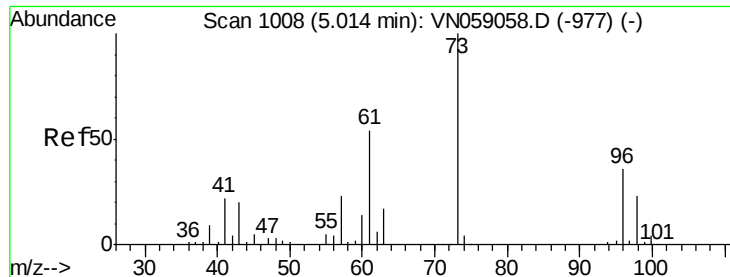
Tot Ion: 76 Resp: 784913
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 46.148 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 43 Resp: 405460
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3

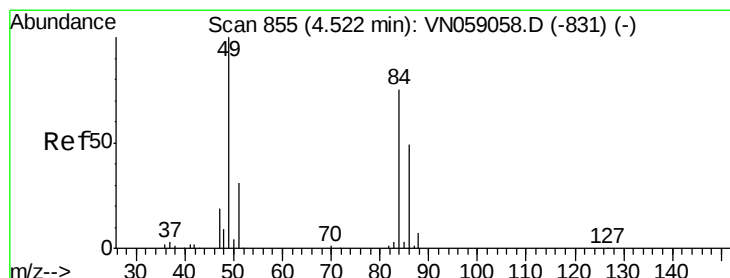
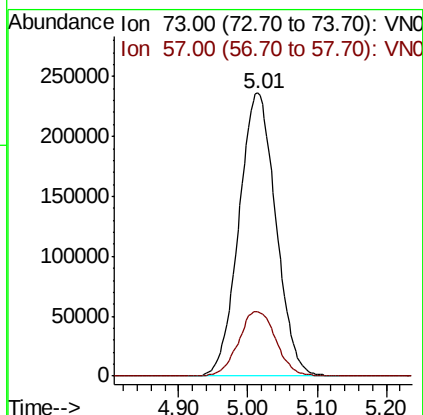
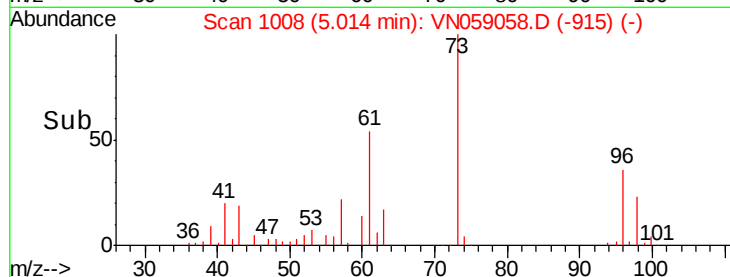
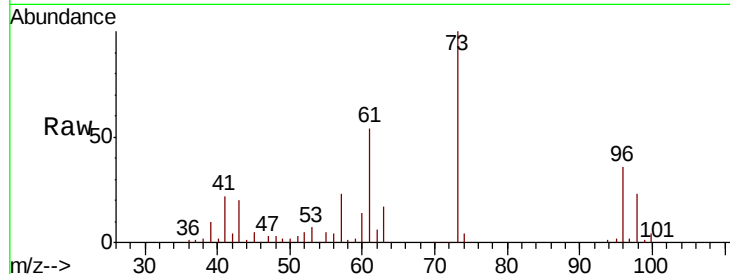




#19
Methyl tert-butyl Ether
Concen: 47.907 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

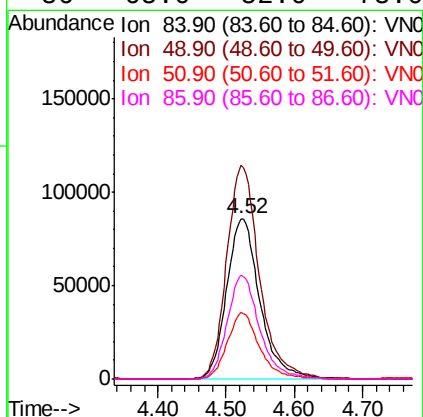
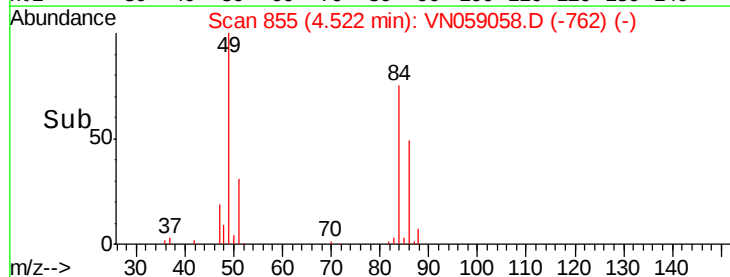
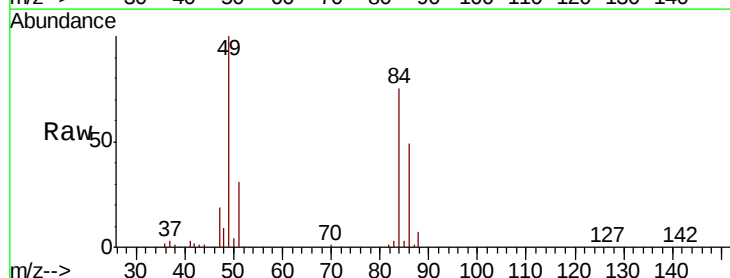
Instrument :
MSVOA_N
ClientSampled :

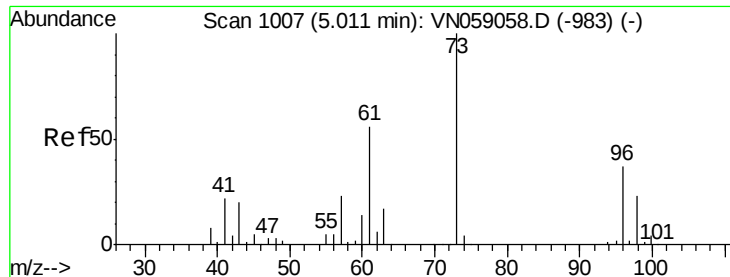
Tot Ion: 73 Resp: 874342
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 44.202 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 84 Resp: 290360
Ion Ratio Lower Upper
84 100
49 133.0 106.4 159.6
51 41.2 33.0 49.4
86 65.0 52.0 78.0



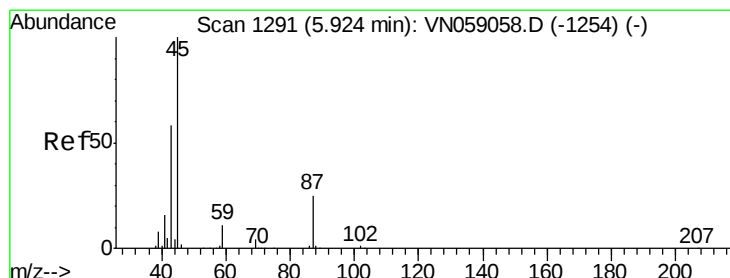
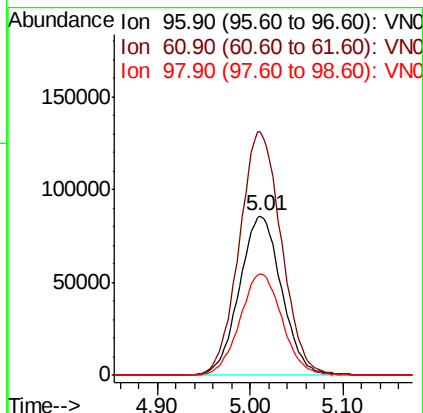
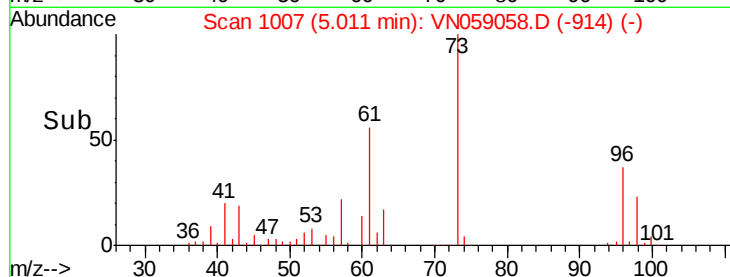
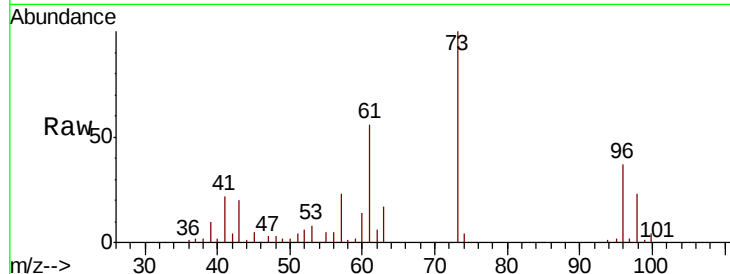


#21

trans-1,2-Dichloroethene
Concen: 46.962 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :

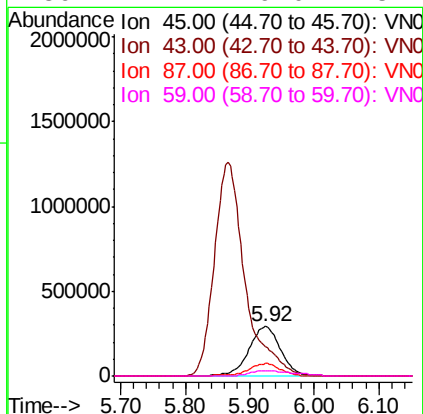
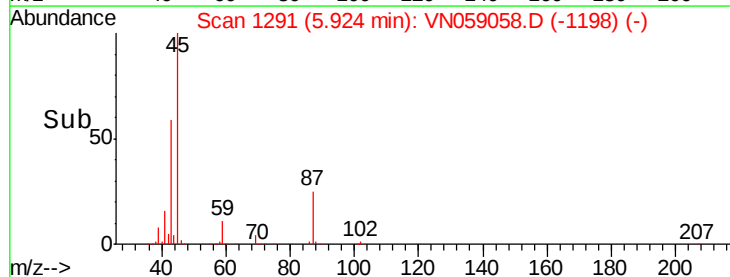
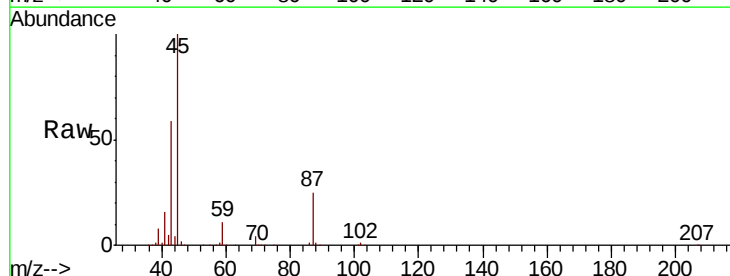
Tot Ion: 96 Resp: 270733
Ion Ratio Lower Upper
96 100
61 152.1 121.7 182.5
98 63.3 50.6 76.0

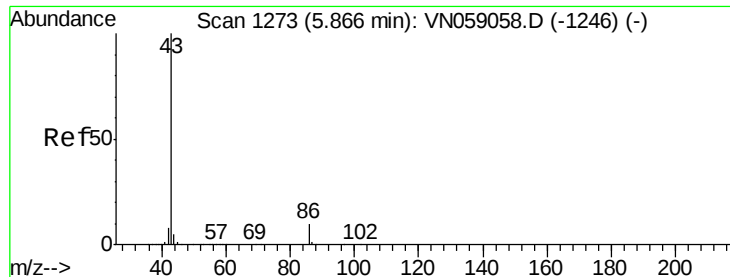


#22

Diisopropyl ether
Concen: 48.130 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 45 Resp: 991745
Ion Ratio Lower Upper
45 100
43 58.6 46.9 70.3
87 25.1 20.1 30.1
59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 253.621 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

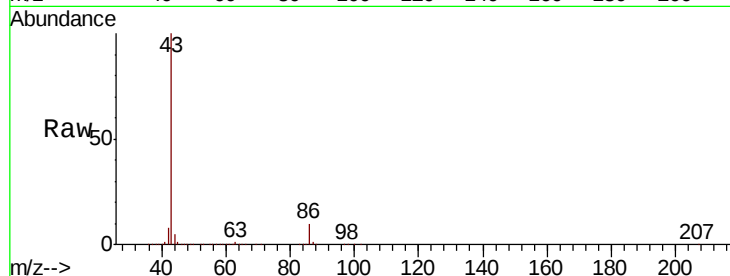
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4177335

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN059058.D (-1246) (-)

5.87

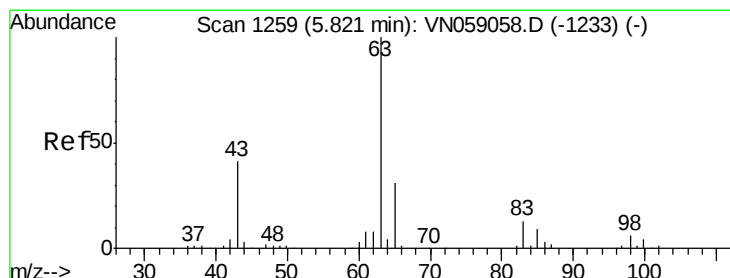
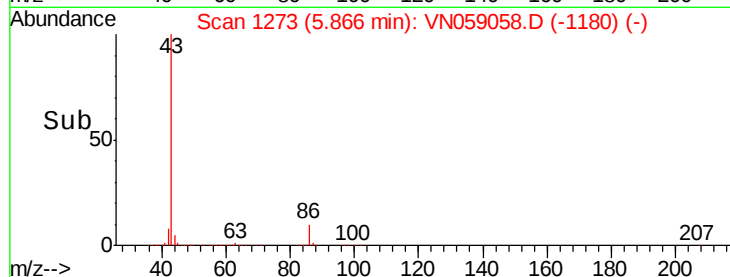
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.159 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

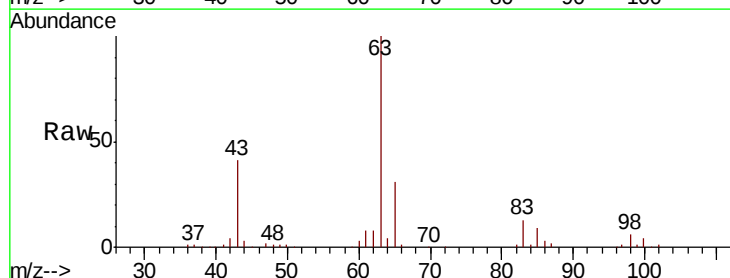
Tgt Ion: 63 Resp: 539616

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059058.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059058.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059058.D (-1233) (-)

5.82

200000

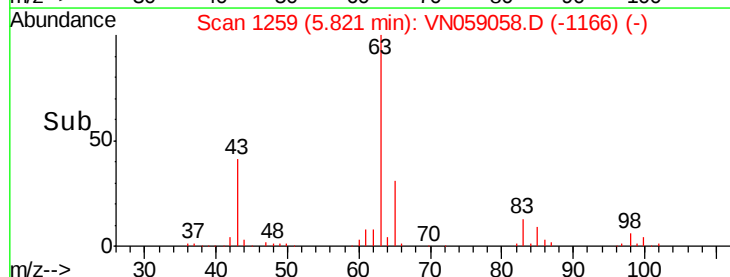
150000

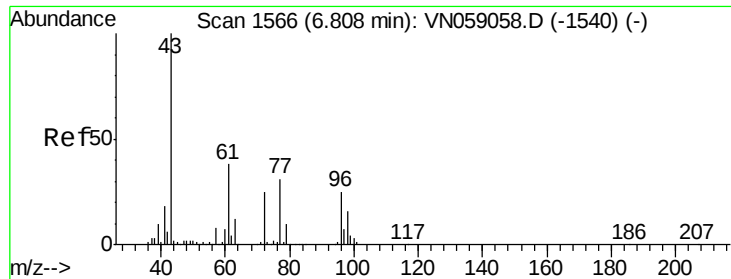
100000

50000

0

Time-->

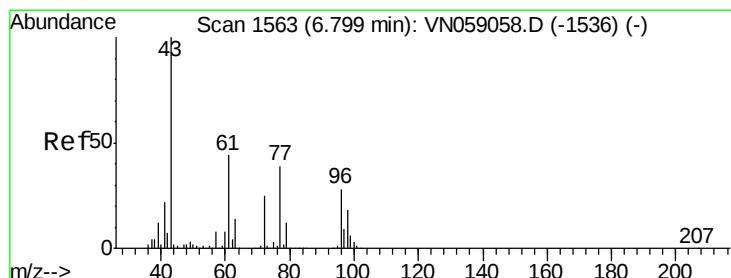
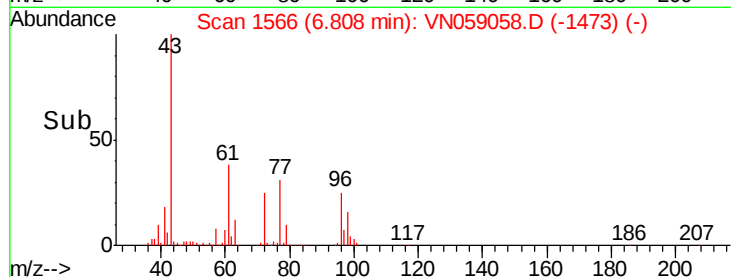
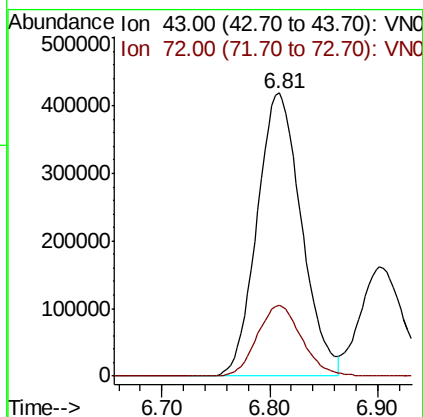
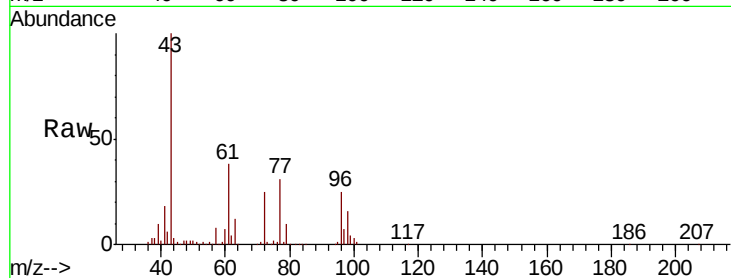




#25
2-Butanone
Concen: 240.148 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

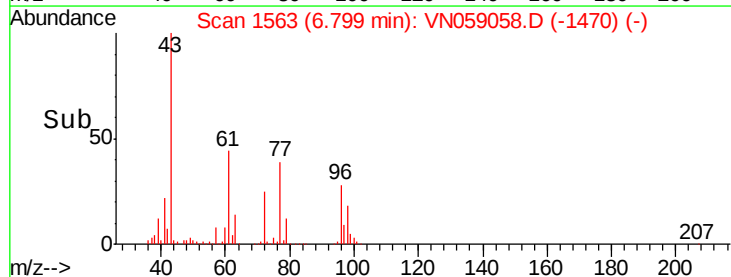
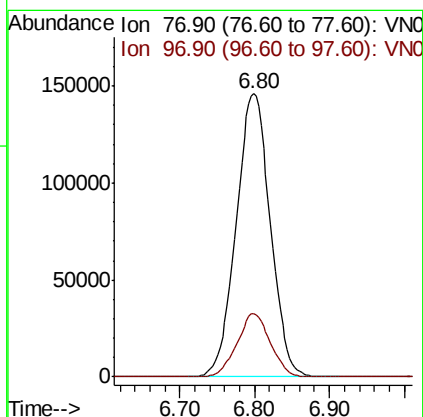
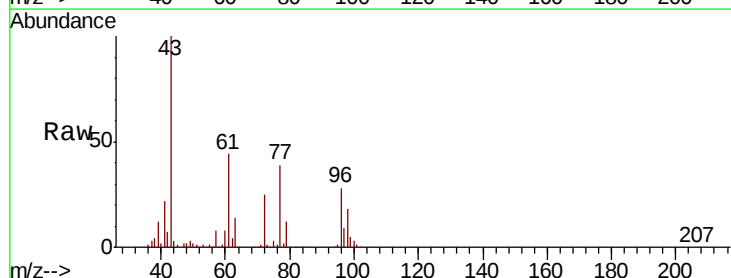
Instrument :
MSVOA_N
ClientSampled :

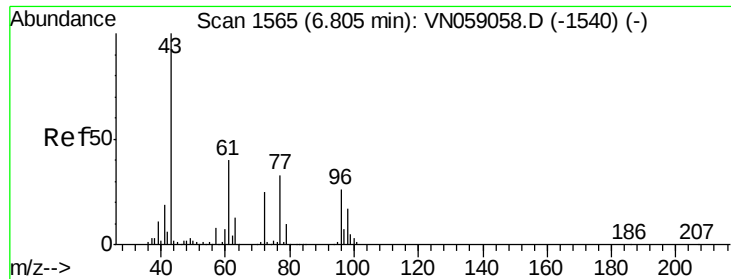
Tot Ion: 43 Resp: 1190616
Ion Ratio Lower Upper
43 100
72 24.9 19.9 29.9



#26
2,2-Dichloropropane
Concen: 44.923 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 77 Resp: 462583
Ion Ratio Lower Upper
77 100
97 21.9 10.9 32.9

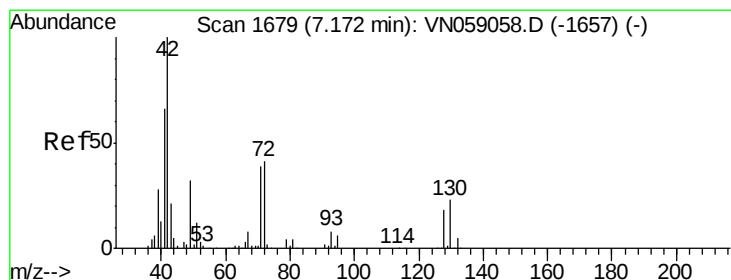
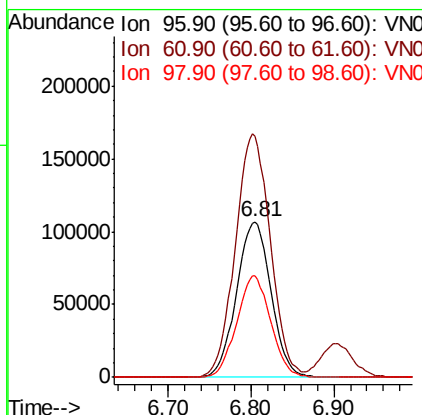
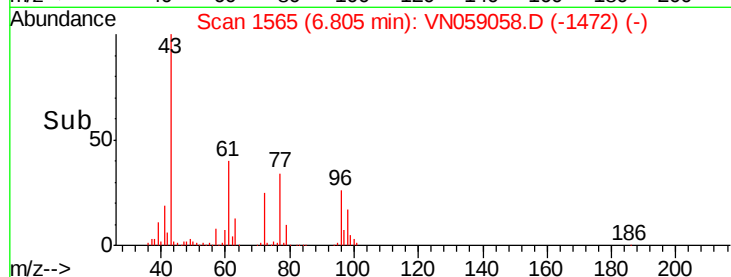
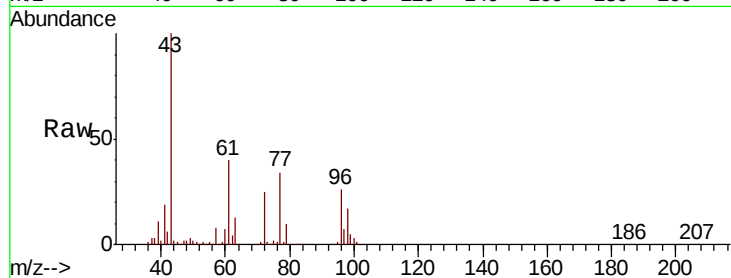




#27
 cis-1,2-Dichloroethene
 Concen: 47.125 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

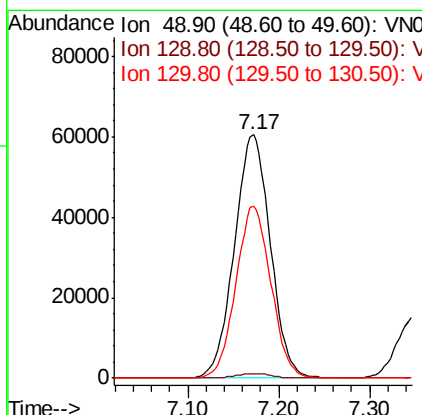
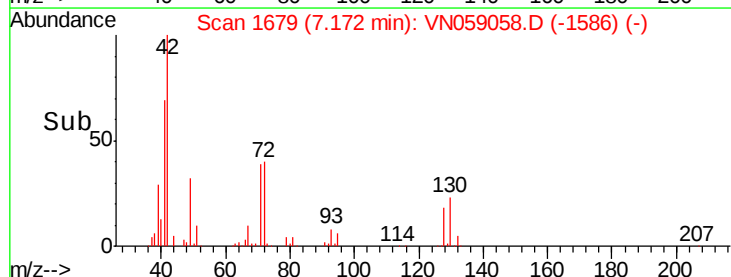
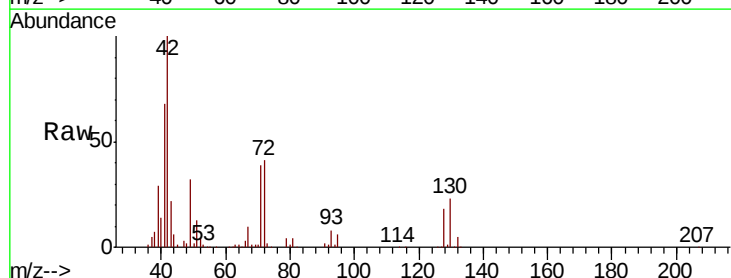
Instrument :
 MSVOA_N
 ClientSampleId :

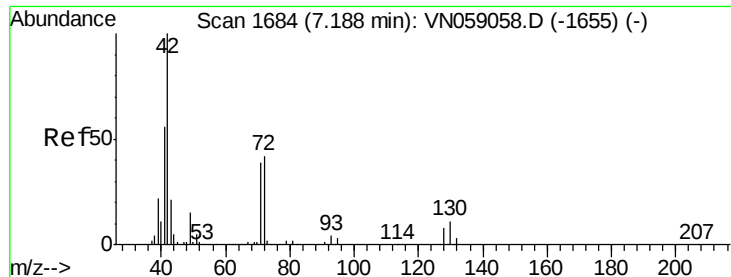
Tot Ion: 96 Resp: 309750
 Ion Ratio Lower Upper
 96 100
 61 158.2 0.0 316.4
 98 64.1 0.0 128.2



#28
 Bromochloromethane
 Concen: 42.416 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion: 49 Resp: 166265
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.4
 130 68.8 55.0 82.6

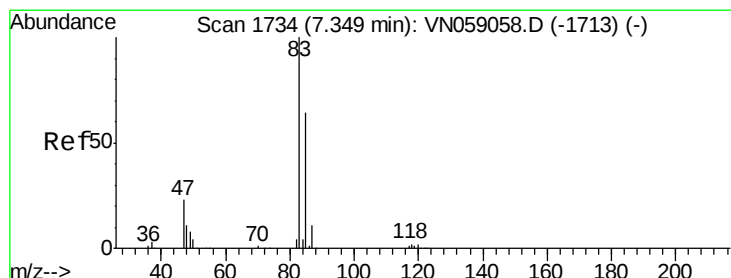
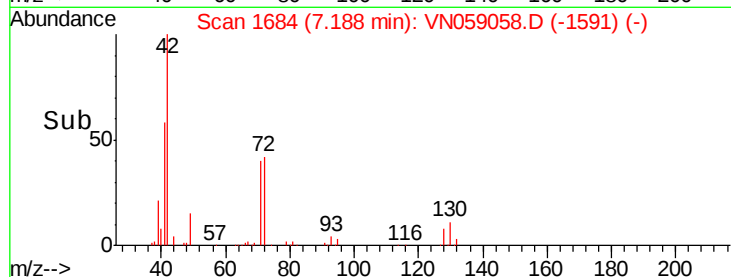
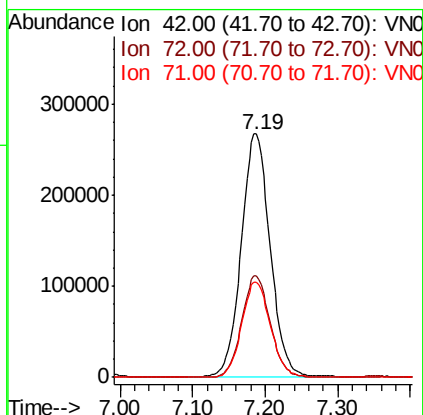
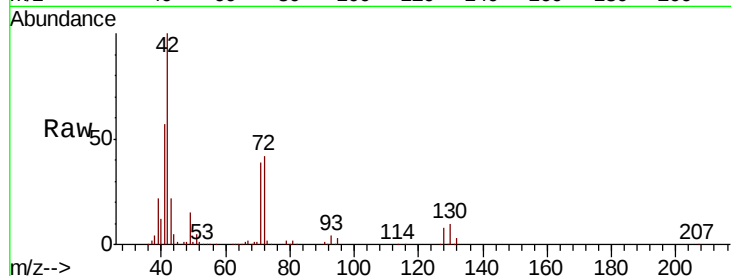




#29
Tetrahydrofuran
Concen: 244.695 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

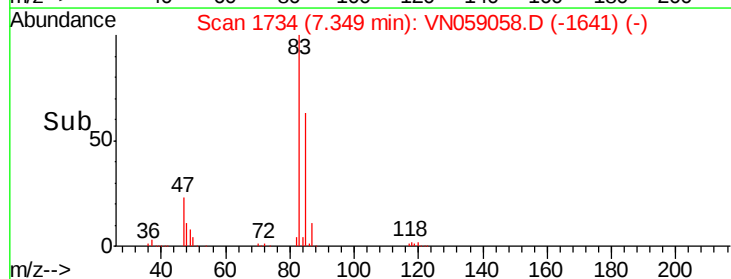
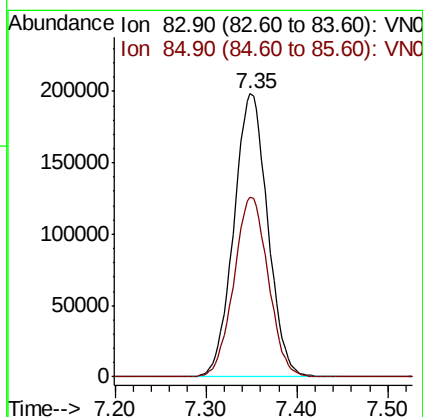
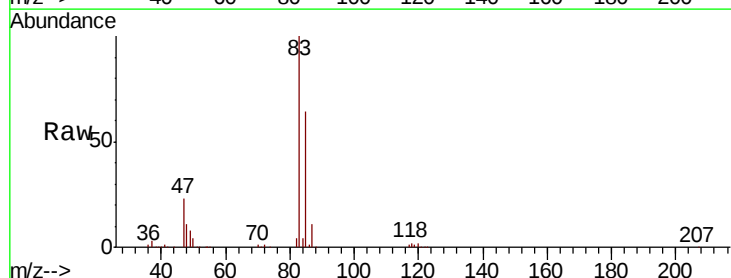
Instrument :
MSVOA_N
ClientSampled :

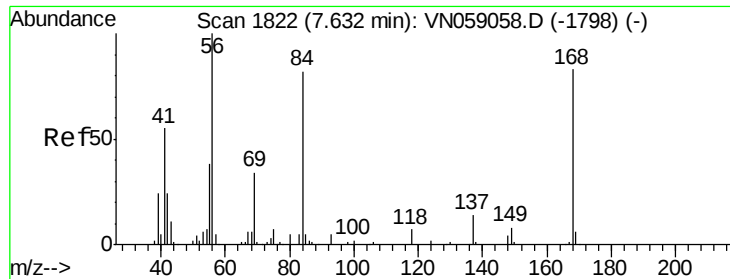
Tot Ion: 42 Resp: 743941
Ion Ratio Lower Upper
42 100
72 40.9 32.7 49.1
71 39.0 31.2 46.8



#30
Chloroform
Concen: 43.116 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 83 Resp: 513360
Ion Ratio Lower Upper
83 100
85 63.6 50.9 76.3

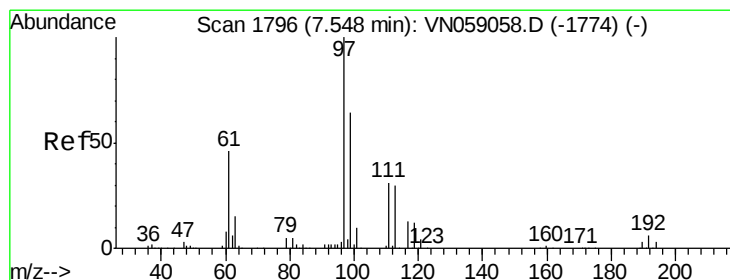
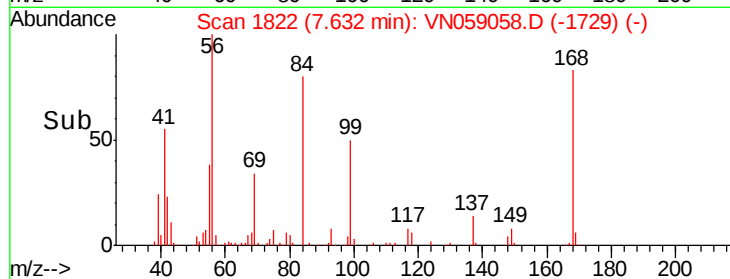
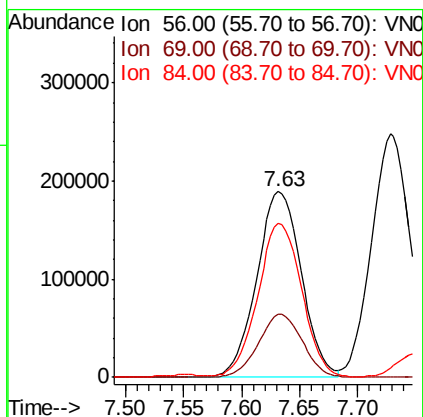
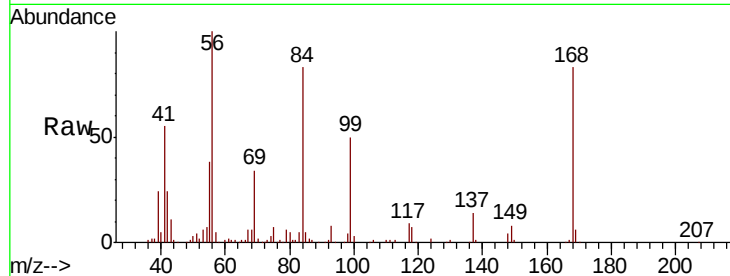




#31
Cyclohexane
Concen: 45.636 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

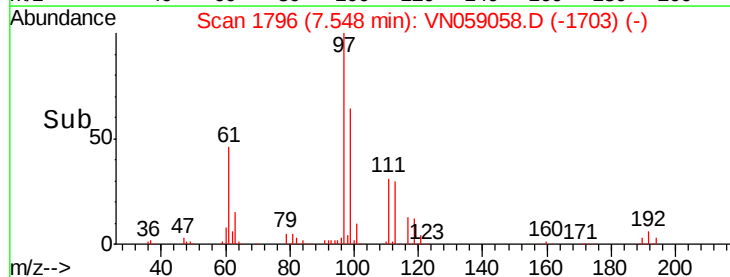
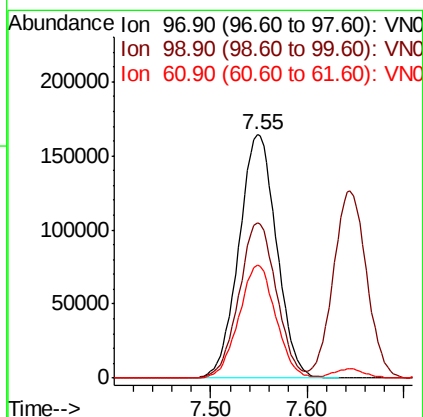
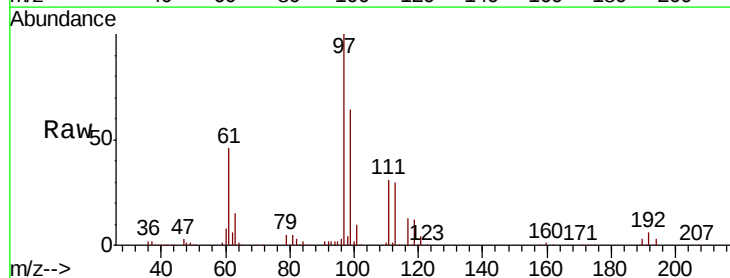
Instrument :
MSVOA_N
ClientSampleId :

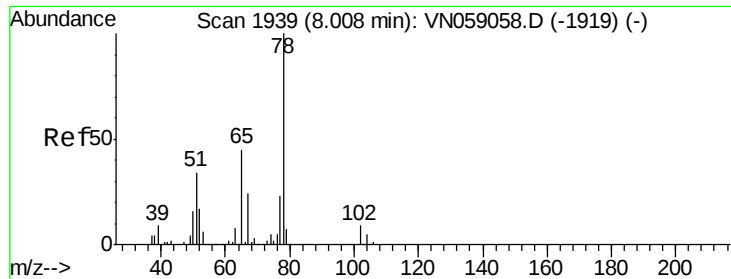
Tot Ion: 56 Resp: 507114
Ion Ratio Lower Upper
56 100
69 34.0 27.2 40.8
84 81.5 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 44.396 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 97 Resp: 444499
Ion Ratio Lower Upper
97 100
99 63.4 50.7 76.1
61 45.4 36.3 54.5

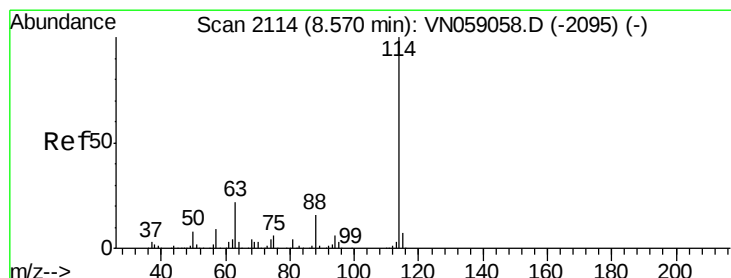
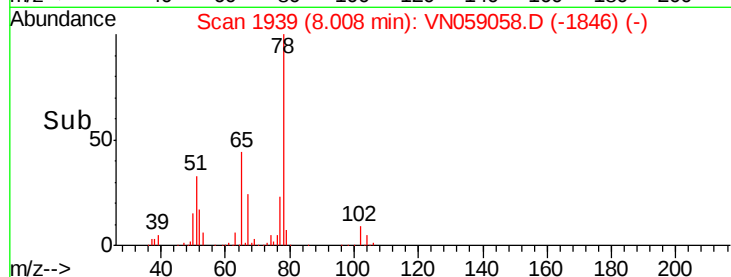
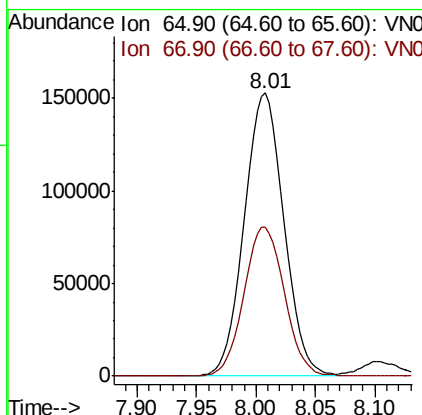
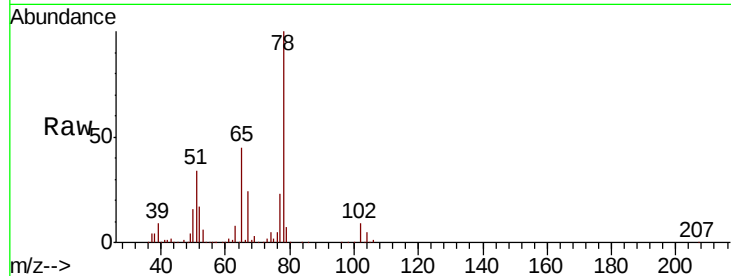




#33
 1,2-Dichloroethane-d4
 Concen: 45.866 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

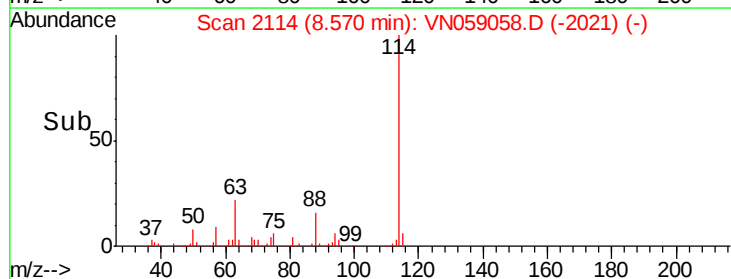
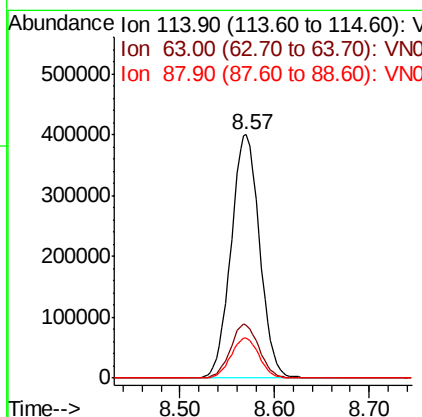
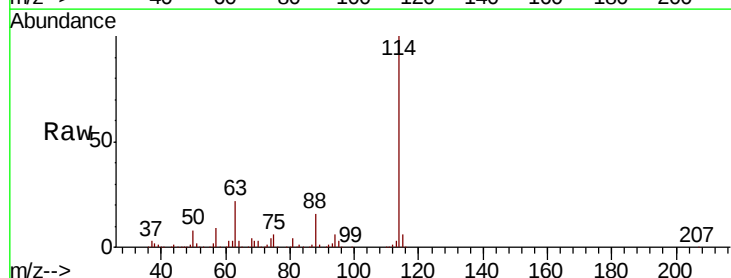
Instrument :
 MSVOA_N
 ClientSampleId :

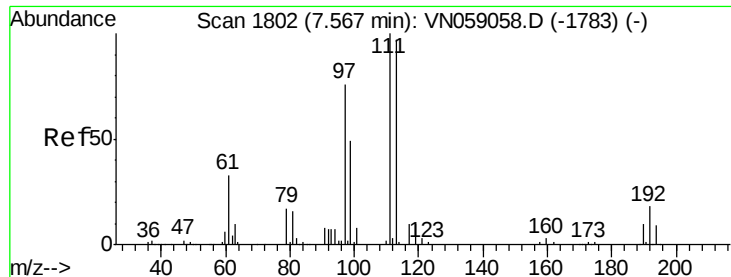
Tot Ion: 65 Resp: 353109
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion: 114 Resp: 839319
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 16.5 0.0 33.0

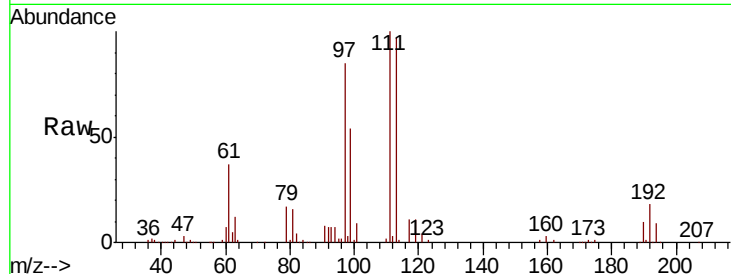




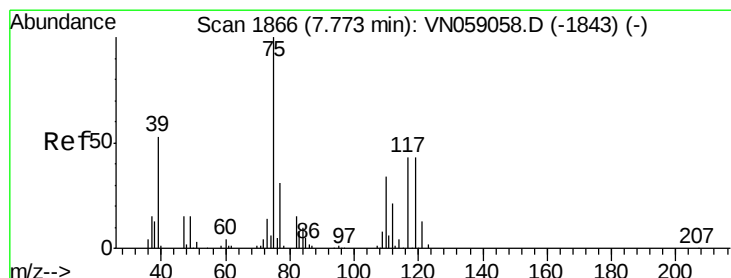
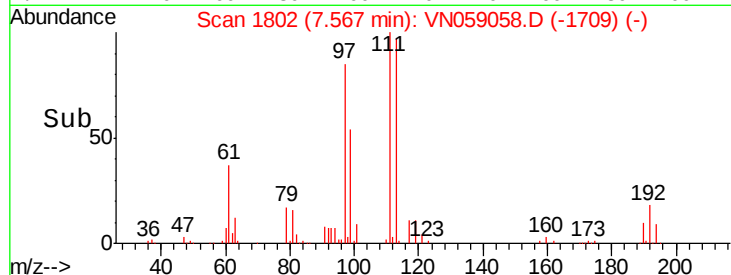
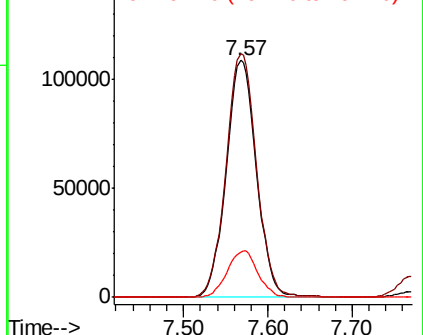
#35
 Dibromofluoromethane
 Concen: 49.345 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.9	15.9	23.9

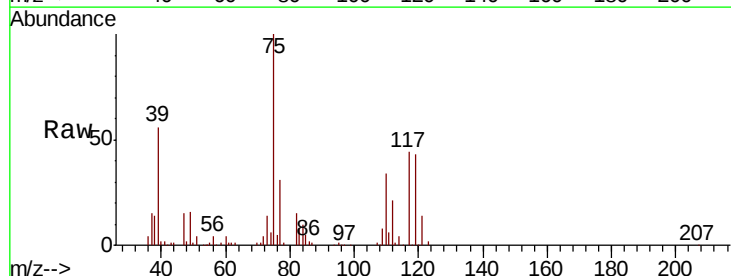


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

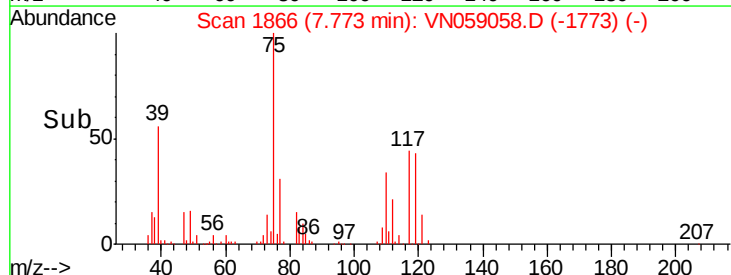
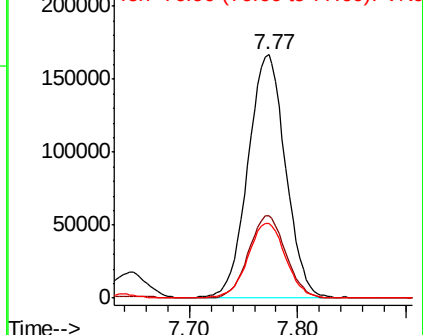


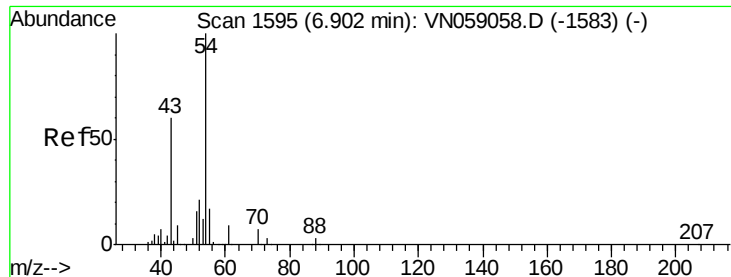
#36
 1,1-Dichloropropene
 Concen: 47.484 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	31.2	25.0	37.4



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

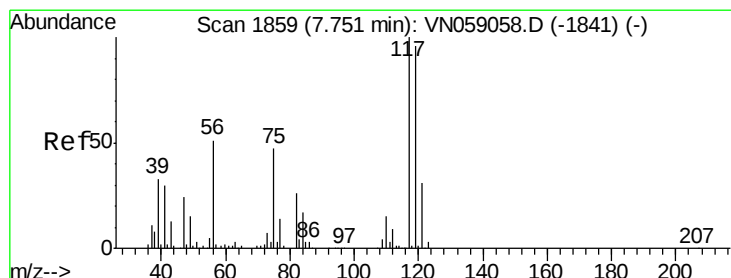
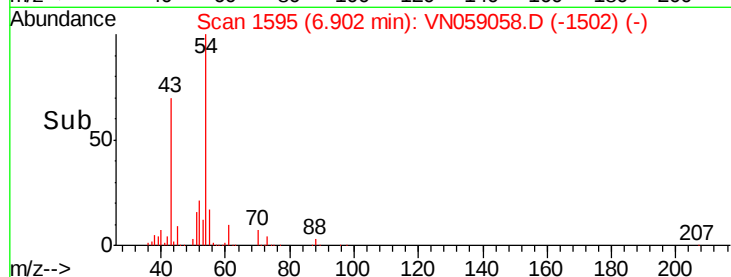
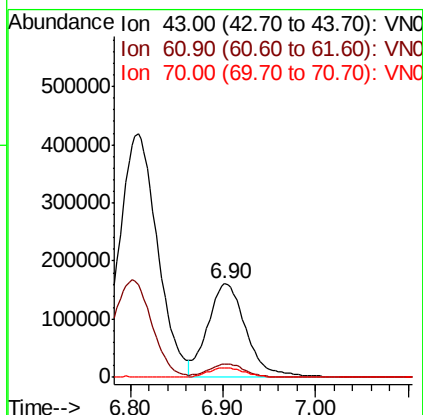
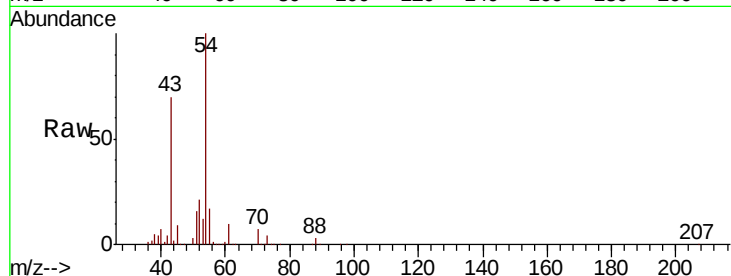




#37
Ethyl Acetate
Concen: 49.267 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

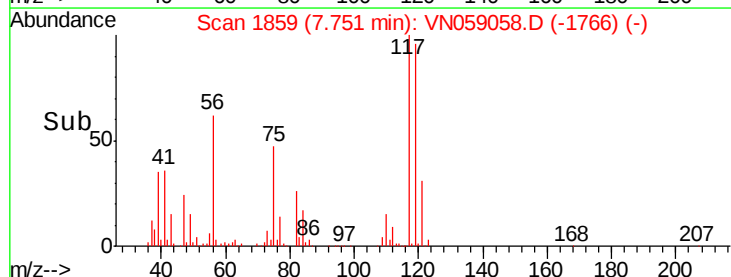
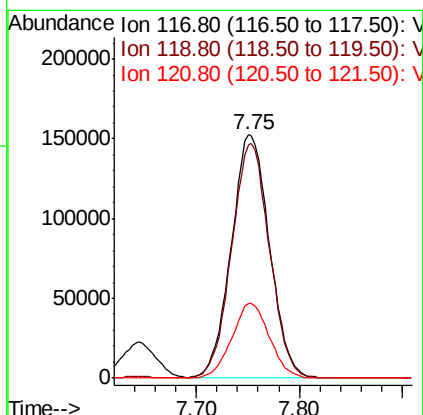
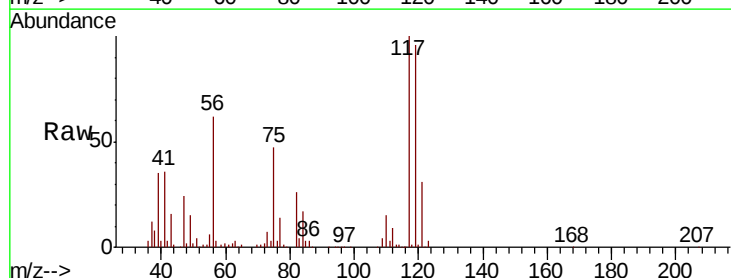
Instrument :
MSVOA_N
ClientSampled :

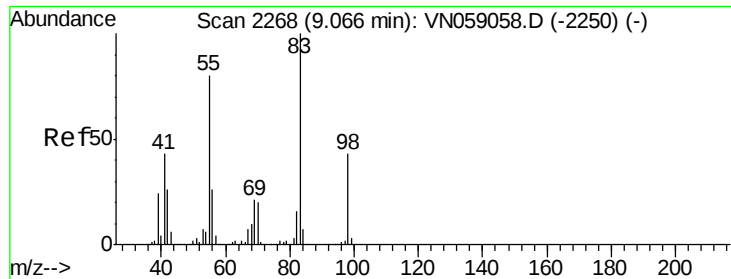
Tot Ion: 43 Resp: 454546
Ion Ratio Lower Upper
43 100
61 14.0 11.2 16.8
70 10.0 8.0 12.0



#38
Carbon Tetrachloride
Concen: 45.259 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 117 Resp: 393461
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8
121 30.8 24.6 37.0

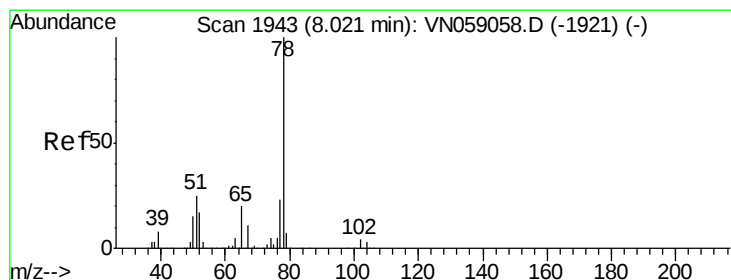
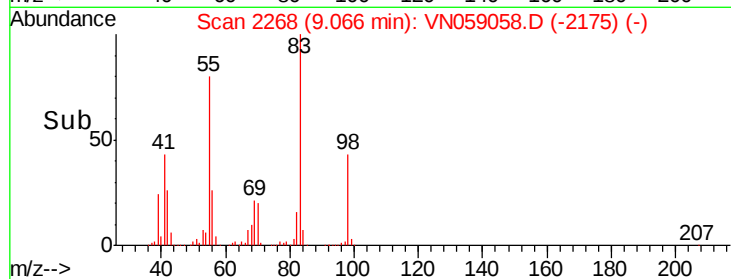
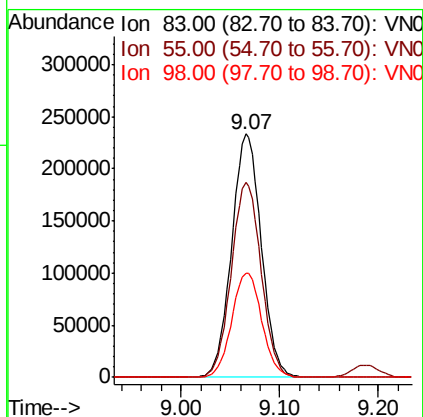
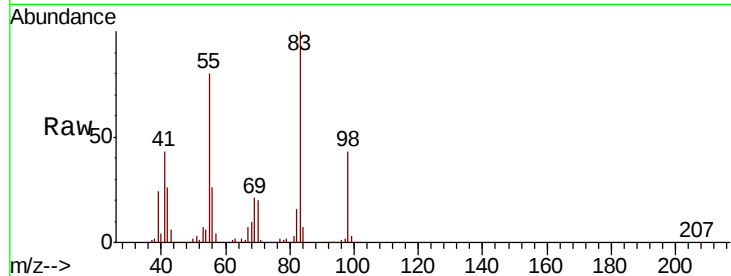




#39
Methvlcvclohexane
Concen: 50.897 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

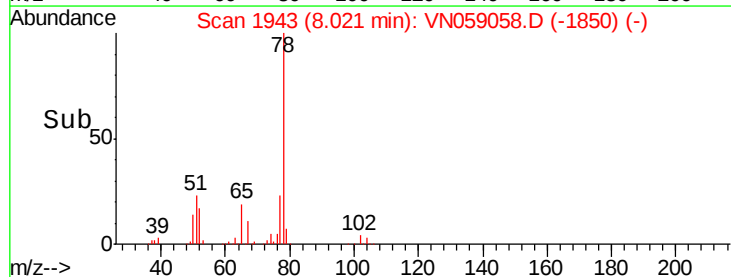
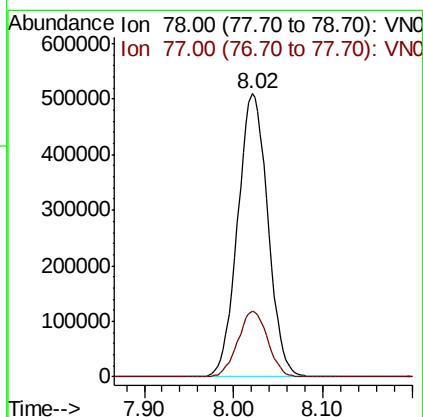
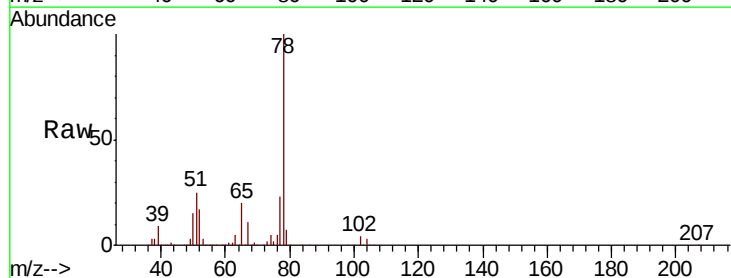
Instrument :
MSVOA_N
ClientSampleId :

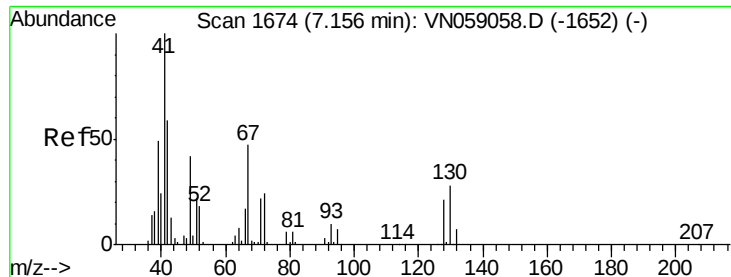
Tot Ion: 83 Resp: 487174
Ion Ratio Lower Upper
83 100
55 80.1 64.1 96.1
98 42.9 34.3 51.5



#40
Benzene
Concen: 48.020 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 78 Resp: 1196738
Ion Ratio Lower Upper
78 100
77 23.2 18.6 27.8

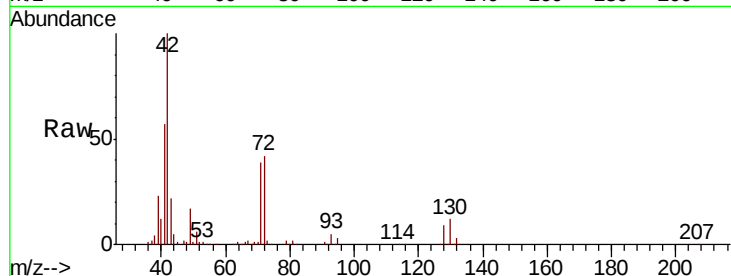




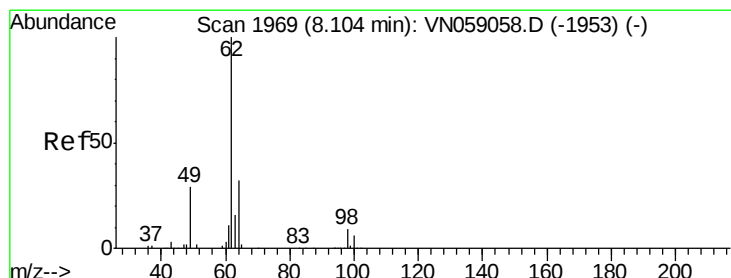
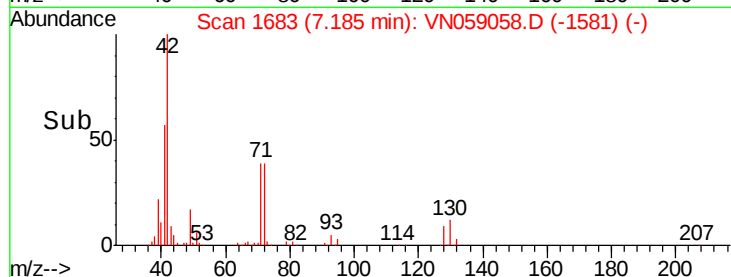
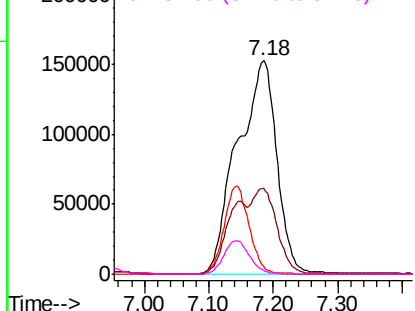
#41
Methacrylonitrile
Concen: 154.786 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	647092
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

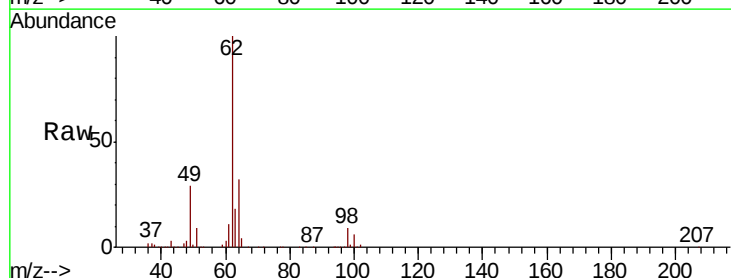


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

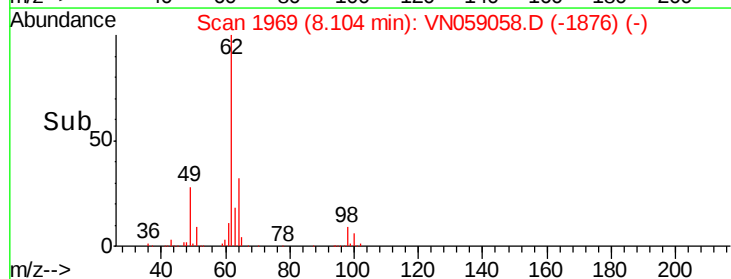
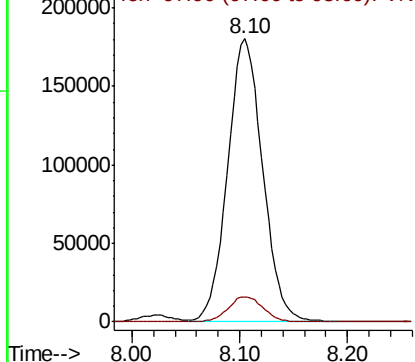


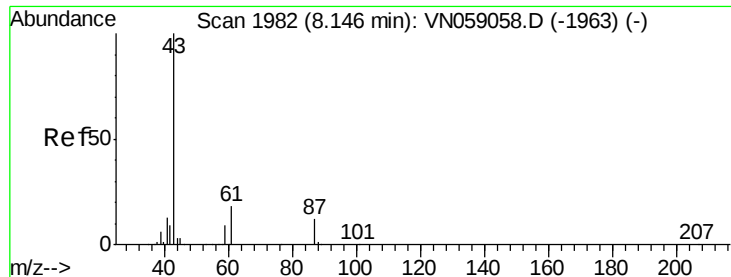
#42
1,2-Dichloroethane
Concen: 43.095 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion:	62	Resp:	407453
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.0



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

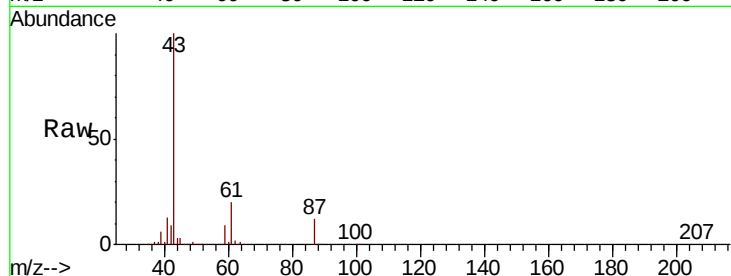




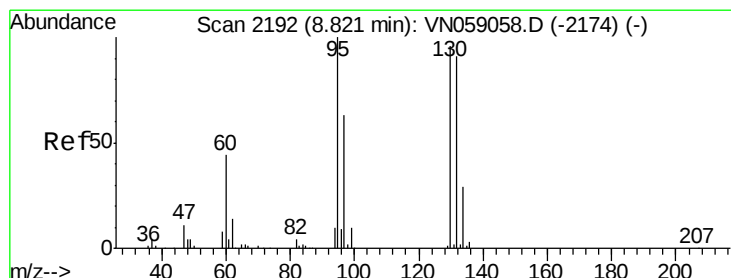
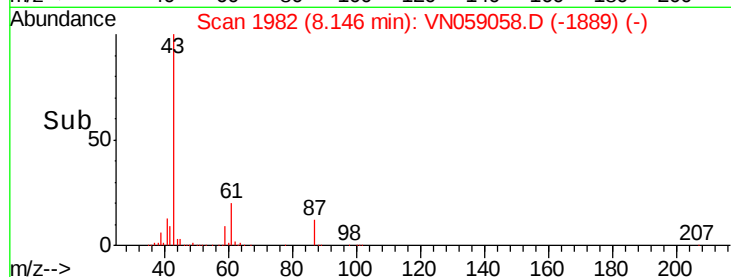
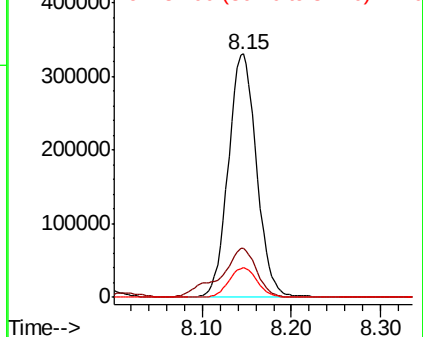
#43
Isopropyl Acetate
Concen: 48.639 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 721119
Ion Ratio Lower Upper
43 100
61 25.6 20.5 30.7
87 12.3 9.8 14.8

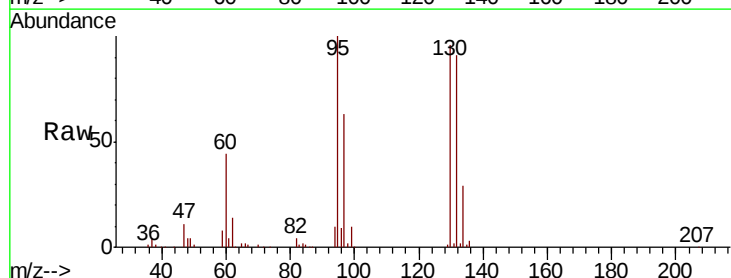


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

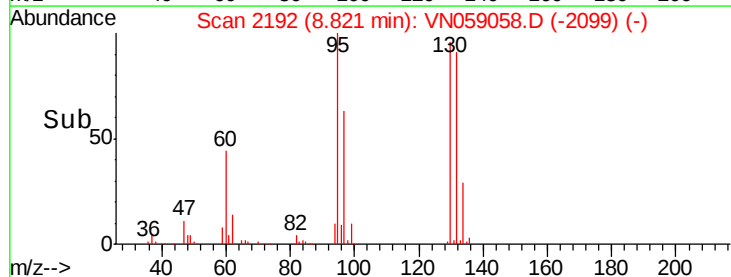
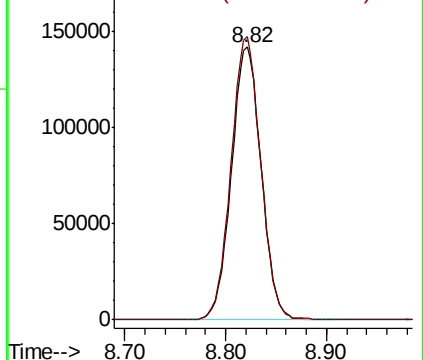


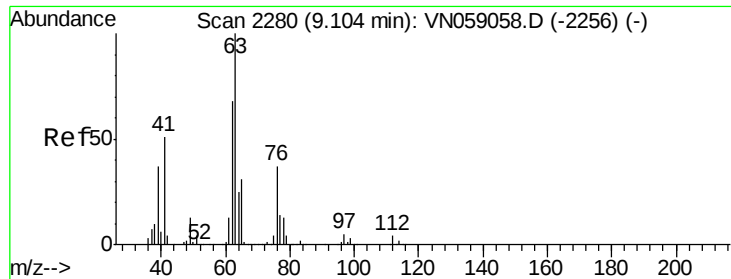
#44
Trichloroethene
Concen: 47.777 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion:130 Resp: 290714
Ion Ratio Lower Upper
130 100
95 103.8 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

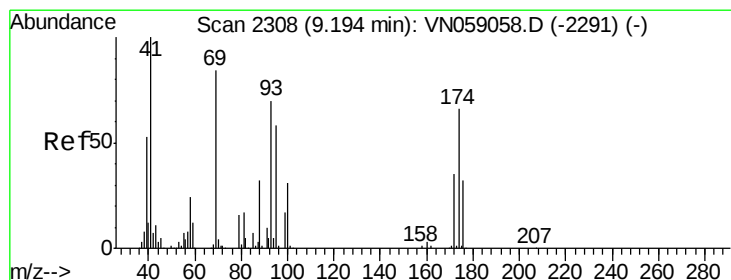
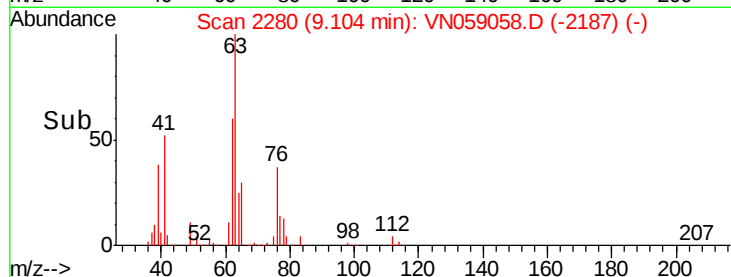
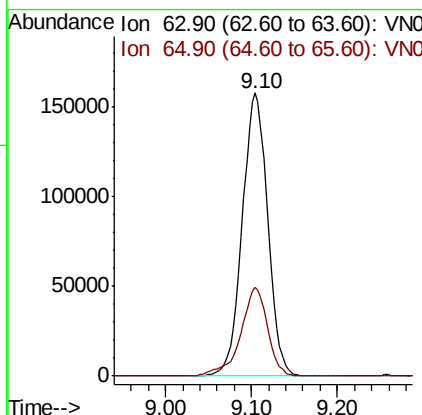
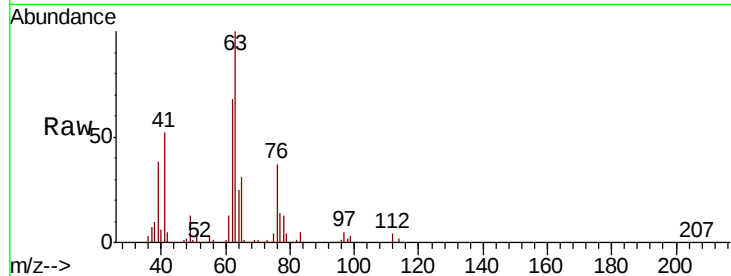




#45
 1,2-Dichloropropane
 Concen: 47.488 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

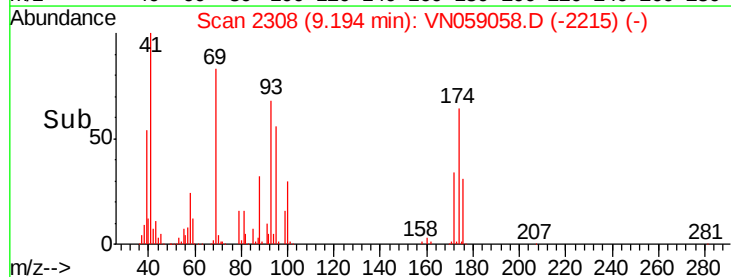
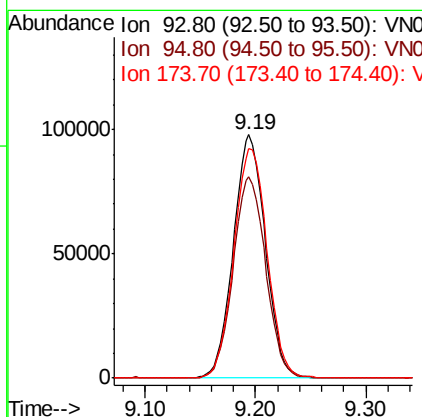
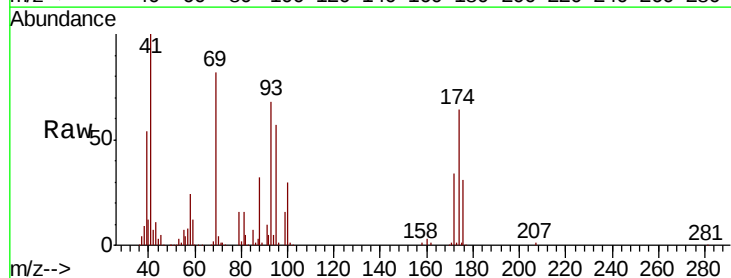
Instrument :
 MSVOA_N
 ClientSampleId :

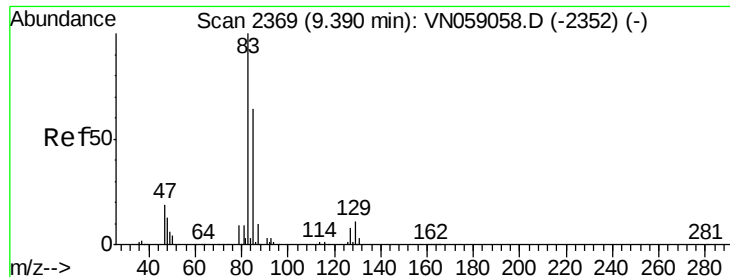
Tot Ion: 63 Resp: 324317
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6



#46
 Dibromomethane
 Concen: 45.886 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion: 93 Resp: 197331
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.2 100.8
 174 97.9 78.3 117.5





#47

Bromodichloromethane

Concen: 45.796 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampled :

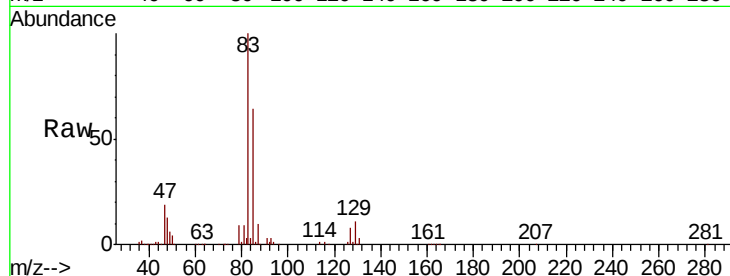
Tot Ion: 83 Resp: 404941

Ion Ratio Lower Upper

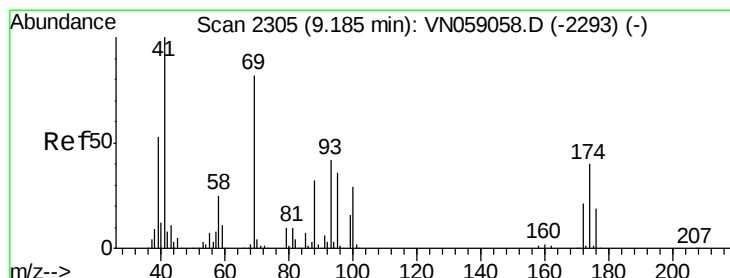
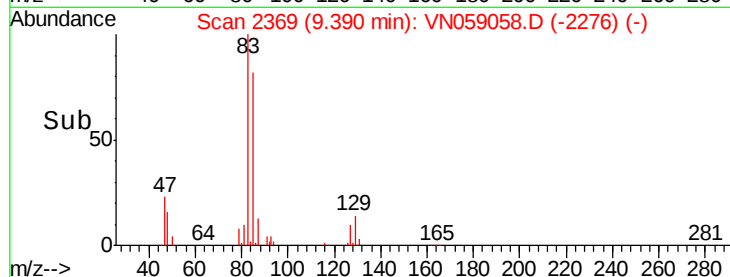
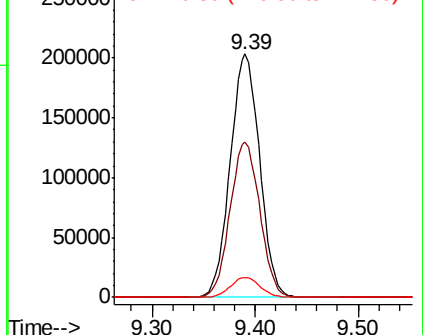
83 100

85 64.0 51.2 76.8

127 8.1 6.5 9.7



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



#48

Methyl methacrylate

Concen: 49.279 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

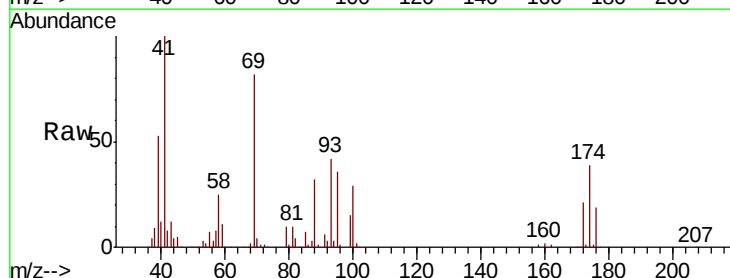
Tgt Ion: 41 Resp: 329369

Ion Ratio Lower Upper

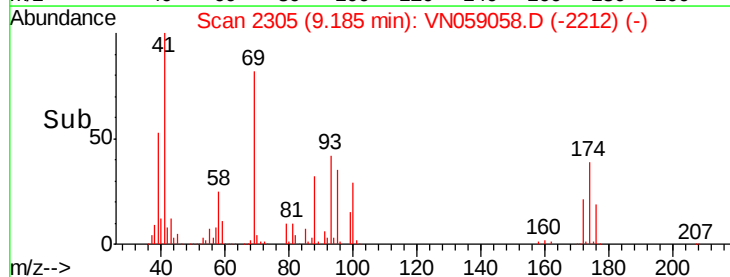
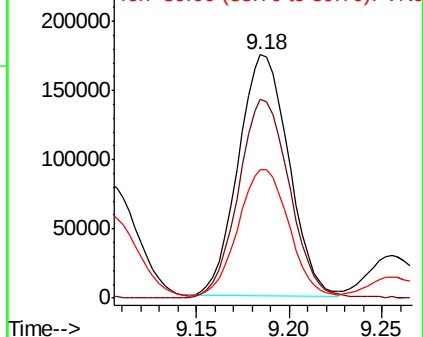
41 100

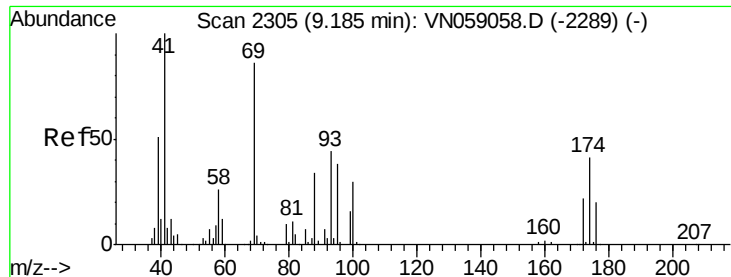
69 83.9 67.1 100.7

39 54.1 43.3 64.9



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

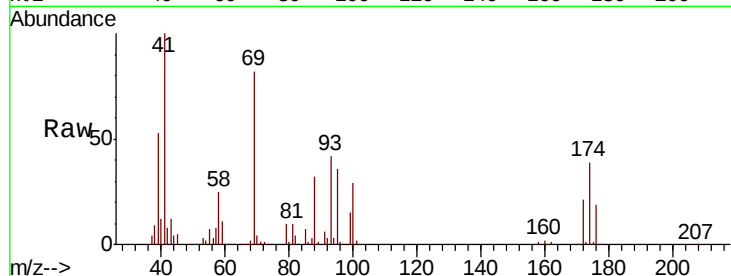




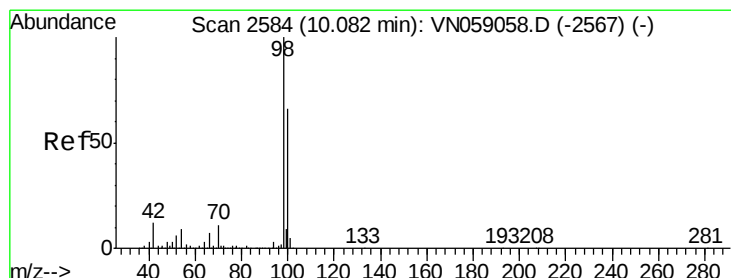
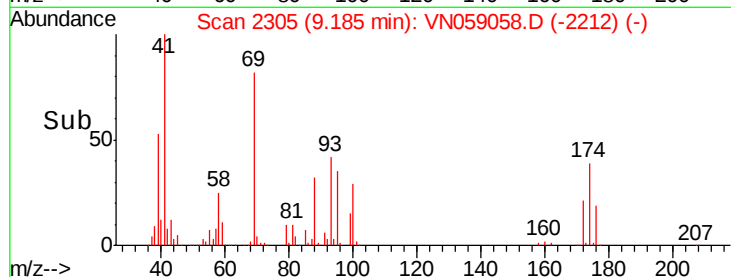
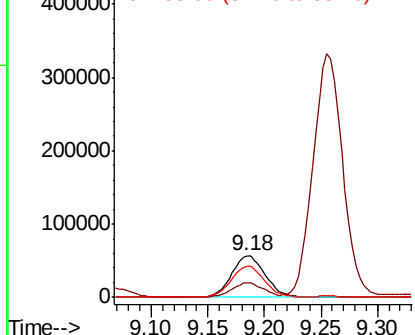
#49
1,4-Dioxane
Concen: 1048.524 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 117860
Ion Ratio Lower Upper
88 100
43 32.7 26.2 39.2
58 73.9 59.1 88.7

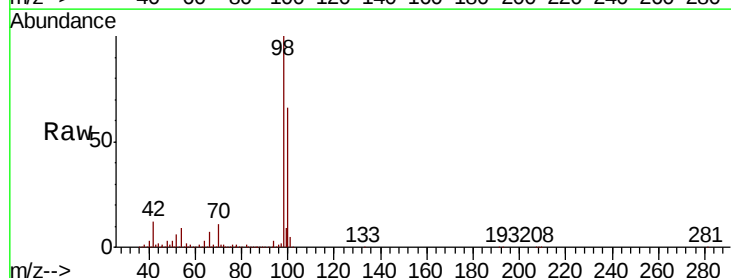


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

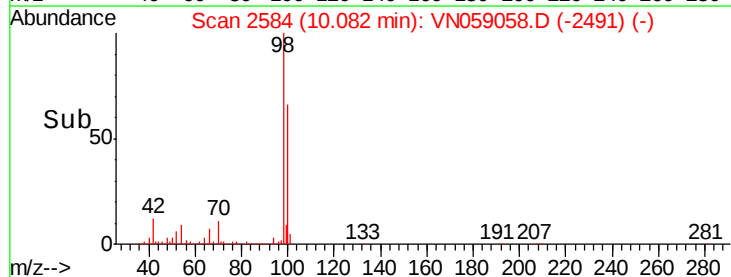
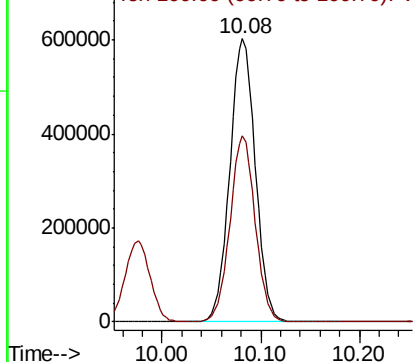


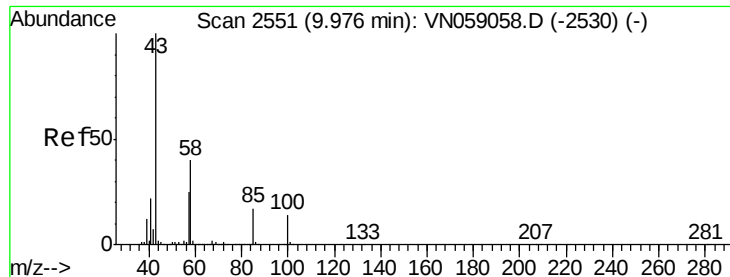
#50
Toluene-d8
Concen: 50.777 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 98 Resp: 1089115
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 257.799 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

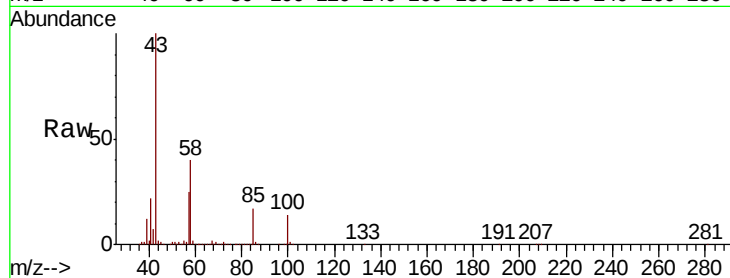
ClientSampled :

Tot Ion: 43 Resp: 2221782

Ion Ratio Lower Upper

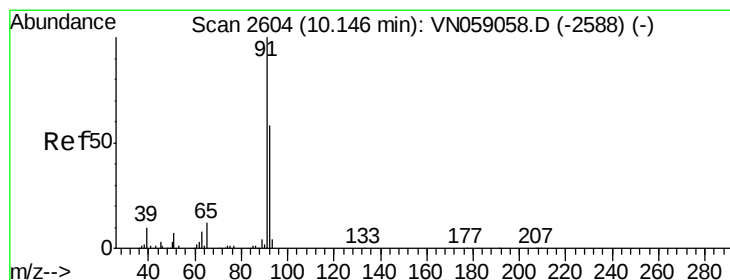
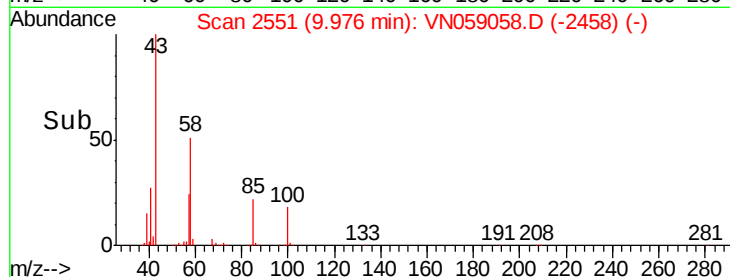
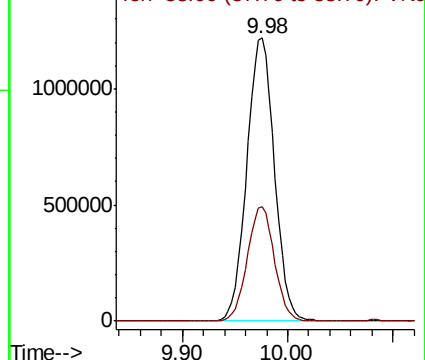
43 100

58 39.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-2530) (-)



#52

Toluene

Concen: 49.328 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059058.D

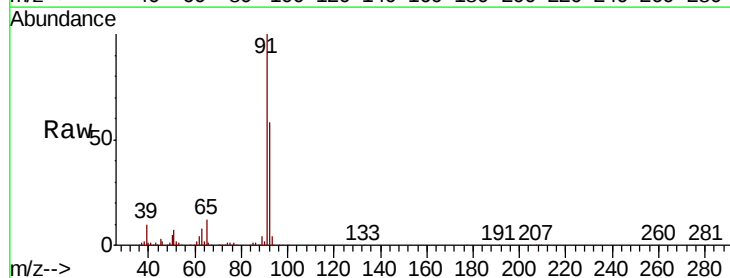
Acq: 1 Nov 2019 12:59

Tgt Ion: 92 Resp: 727550

Ion Ratio Lower Upper

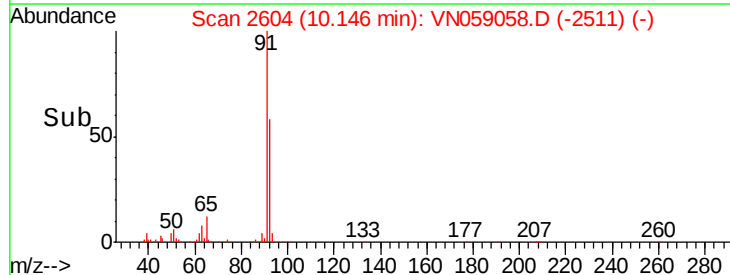
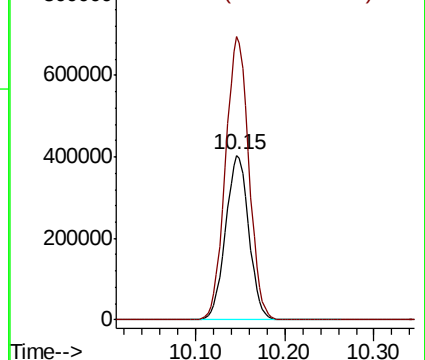
92 100

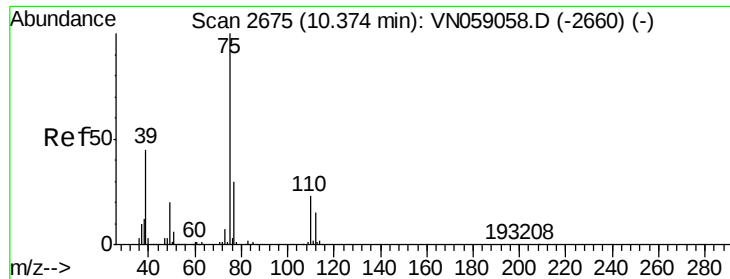
91 173.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN059058.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059058.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 48.260 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

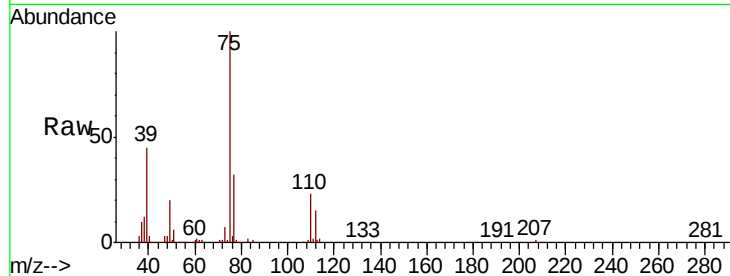
ClientSampleId :

Tot Ion: 75 Resp: 473728

Ion Ratio Lower Upper

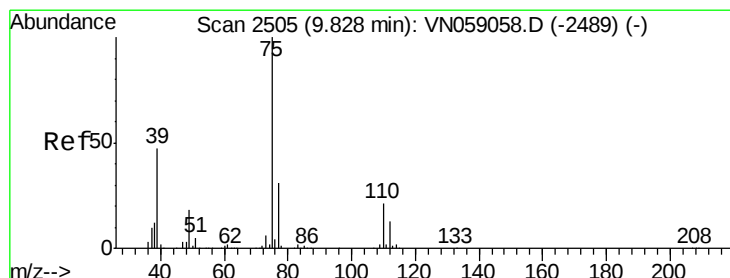
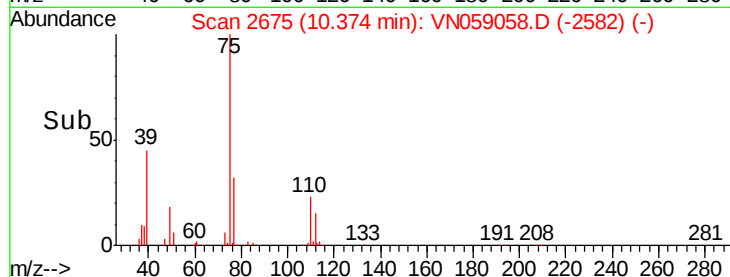
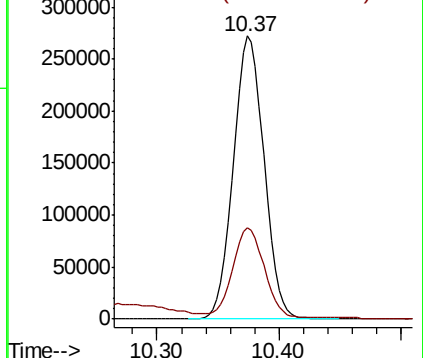
75 100

77 32.0 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.132 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

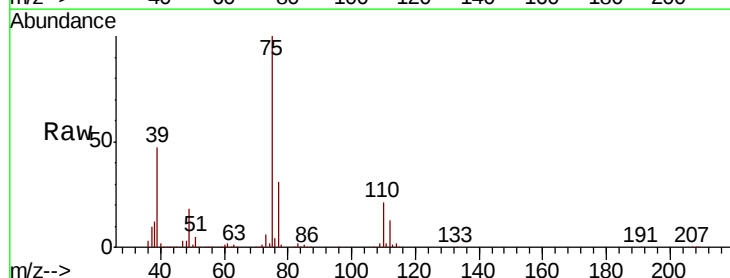
Tgt Ion: 75 Resp: 516579

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0

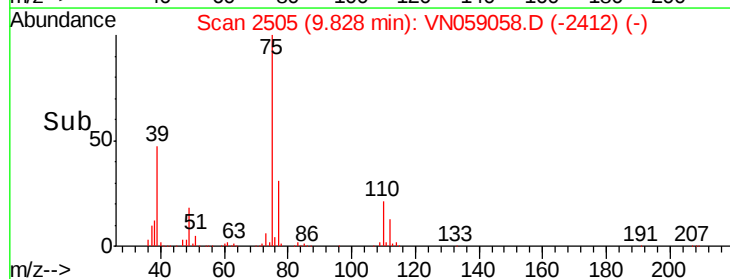
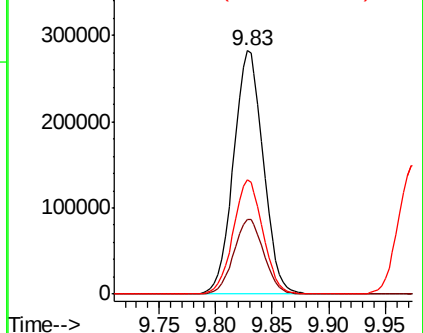
39 46.8 37.4 56.2

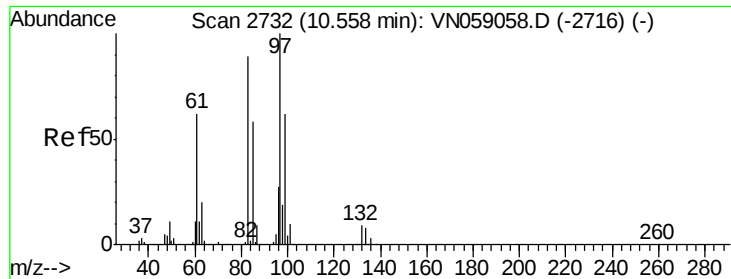


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

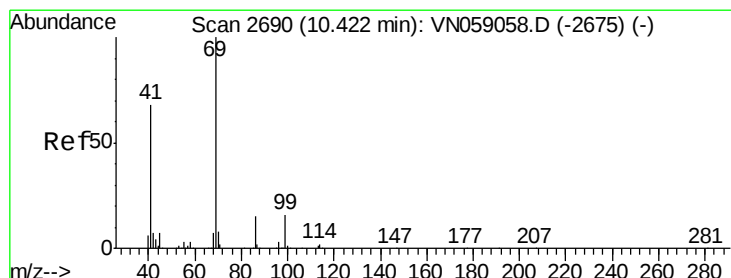
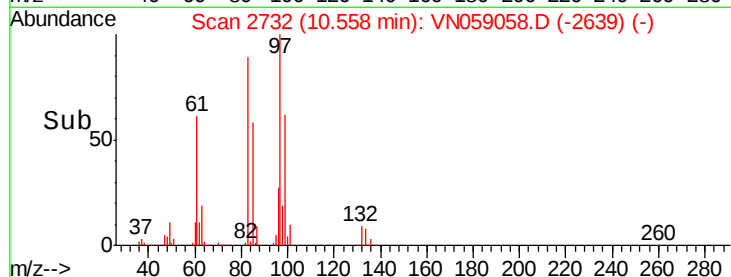
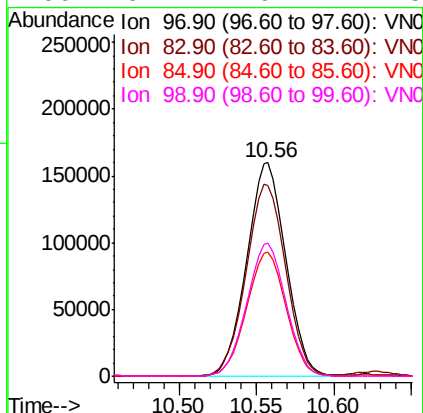
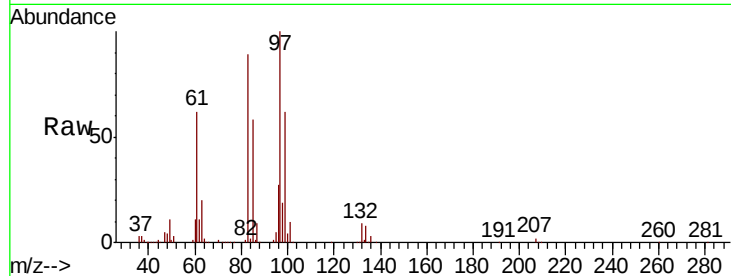




#55
 1,1,2-Trichloroethane
 Concen: 46.444 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

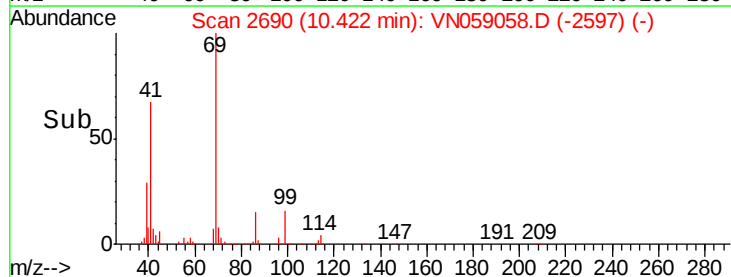
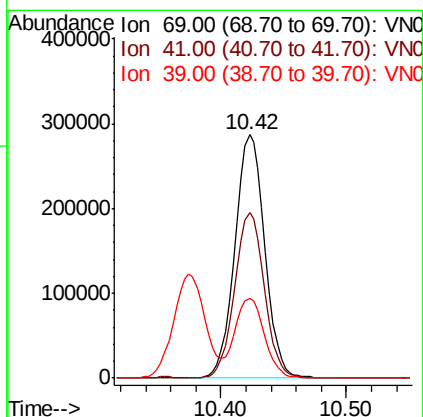
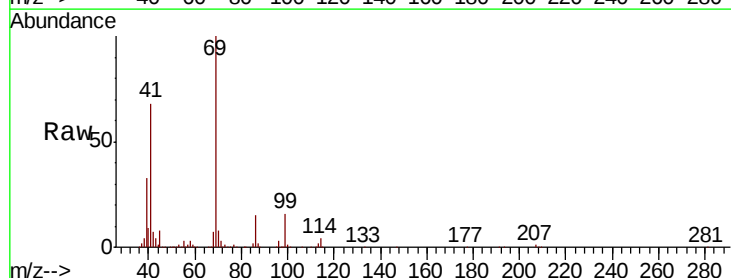
Instrument :
 MSVOA_N
 ClientSampled :

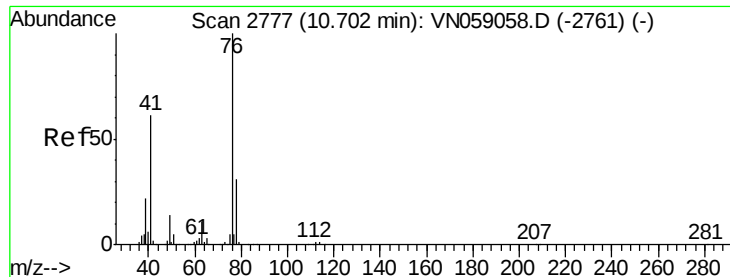
Tot Ion:	97	Resp:	282612
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.4	107.2
85	58.3	46.6	70.0
99	62.1	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 52.666 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion:	69	Resp:	473151
Ion	Ratio	Lower	Upper
69	100		
41	67.3	53.8	80.8
39	32.7	26.2	39.2





#57

1,3-Dichloropropane

Concen: 46.979 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

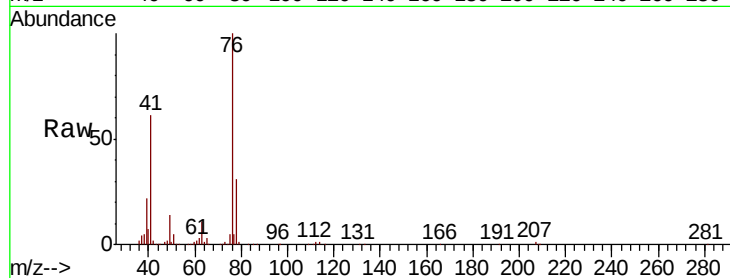
ClientSampleId :

Tot Ion: 76 Resp: 499709

Ion Ratio Lower Upper

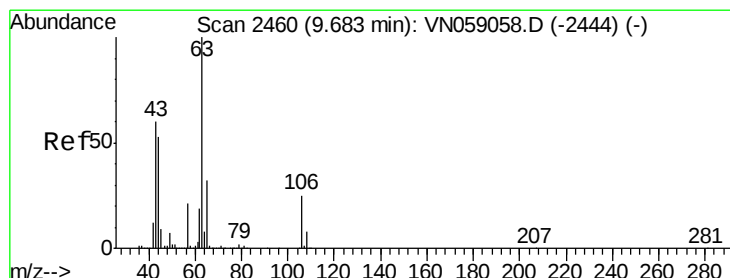
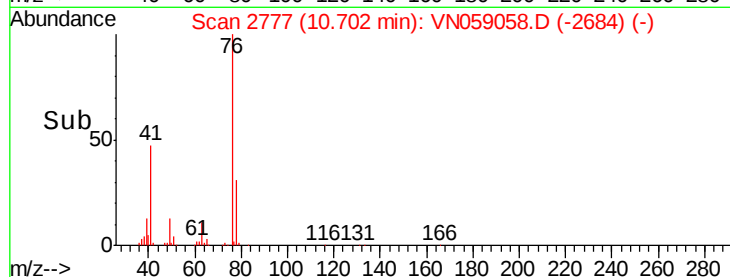
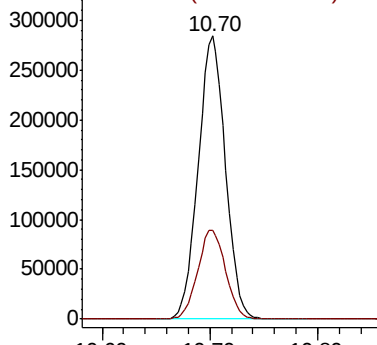
76 100

78 32.2 25.8 38.6



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: 223.311 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059058.D

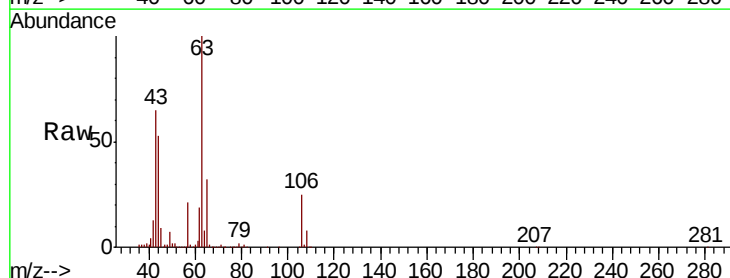
Acq: 1 Nov 2019 12:59

Tgt Ion: 63 Resp: 843609

Ion Ratio Lower Upper

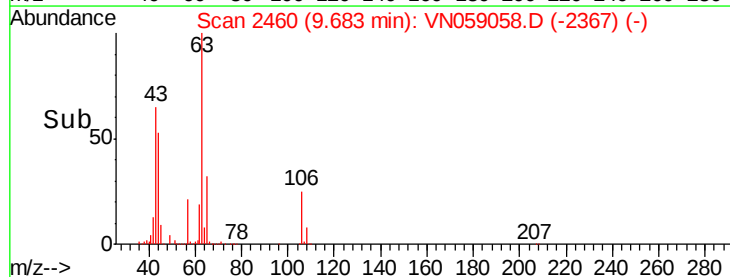
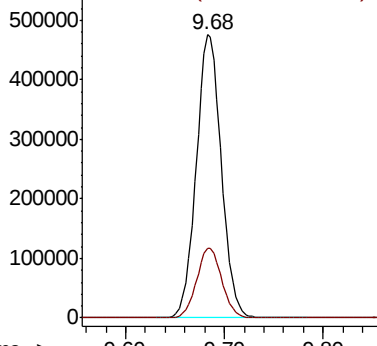
63 100

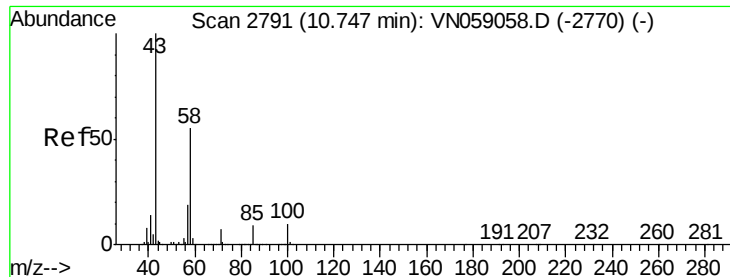
106 24.7 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

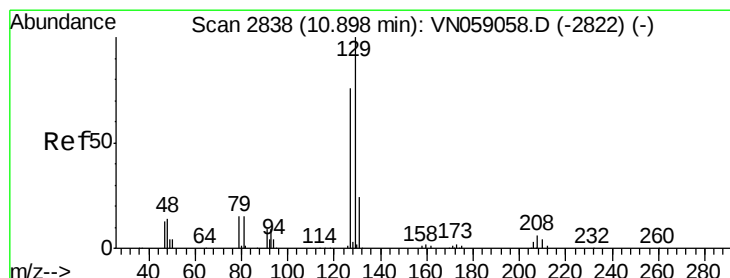
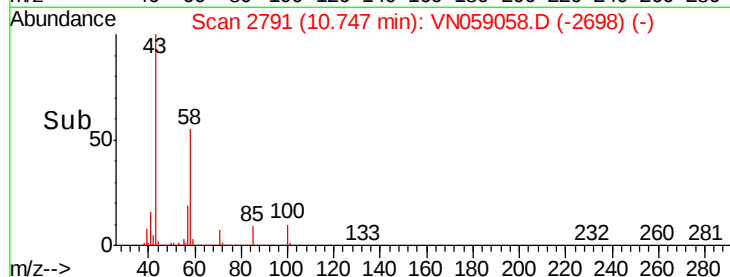
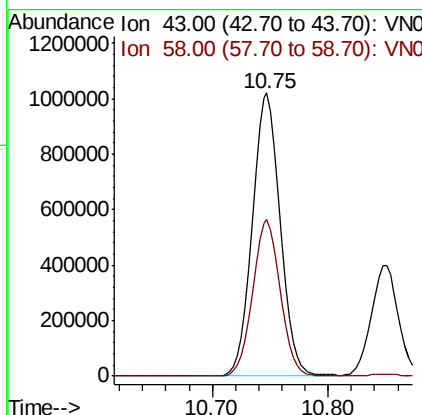
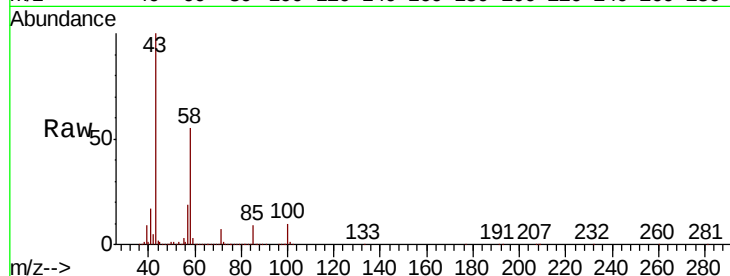




#59
2-Hexanone
Concen: 257.892 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

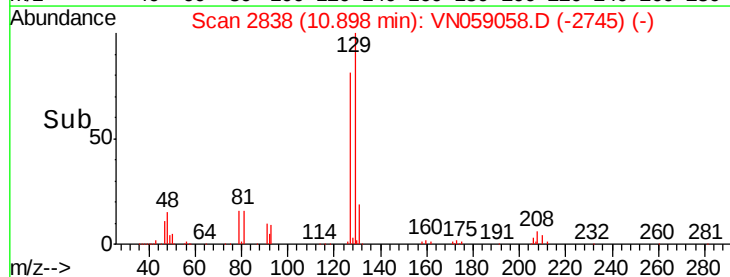
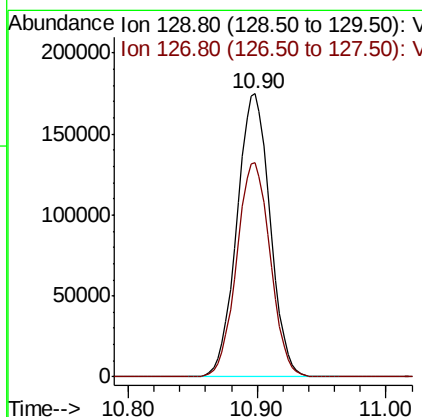
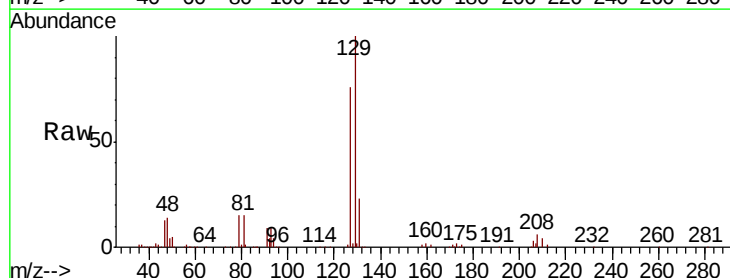
Instrument :
MSVOA_N
ClientSampled :

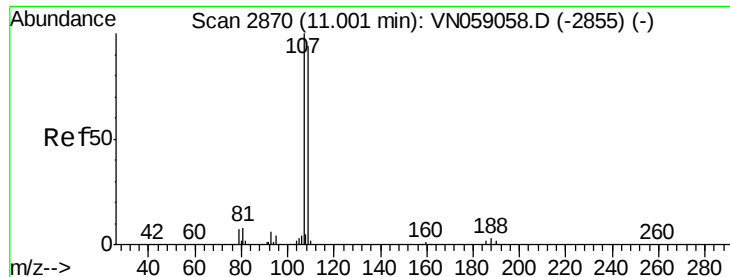
Tot Ion: 43 Resp: 1714438
Ion Ratio Lower Upper
43 100
58 54.8 27.4 82.2



#60
Dibromochloromethane
Concen: 47.914 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion:129 Resp: 313417
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 47.699 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

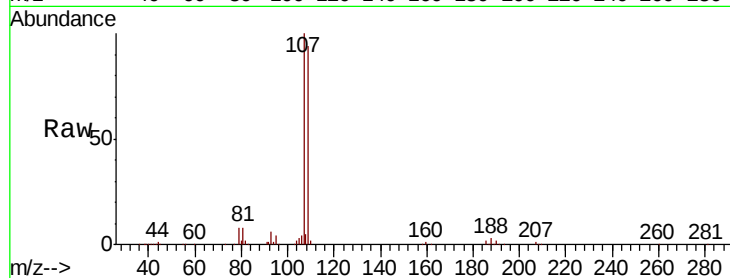
ClientSampleId :

Tot Ion: 107 Resp: 296413

Ion Ratio Lower Upper

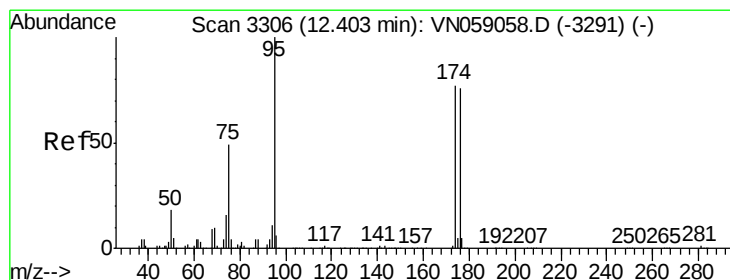
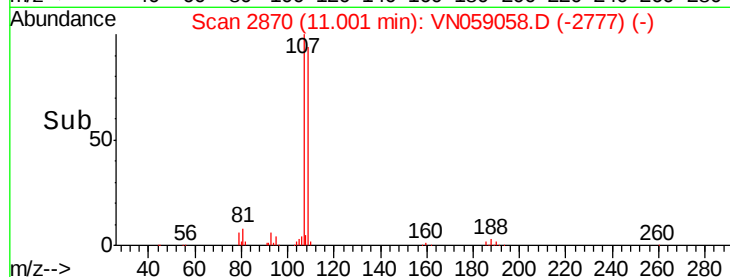
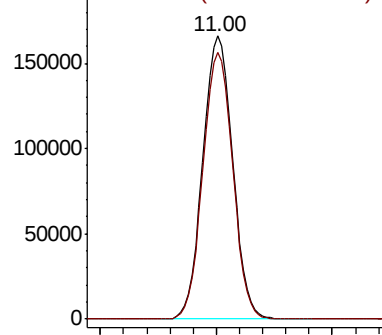
107 100

109 94.4 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.373 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

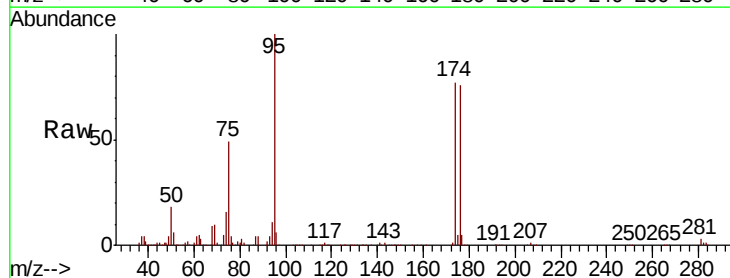
Tgt Ion: 95 Resp: 395778

Ion Ratio Lower Upper

95 100

174 77.9 0.0 155.8

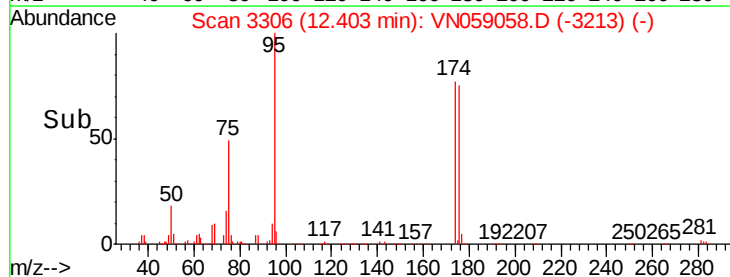
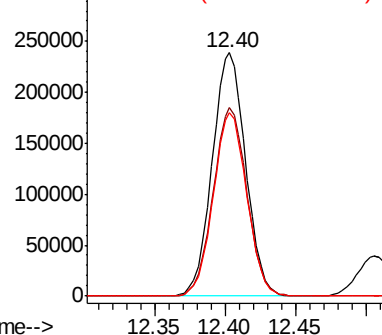
176 75.8 0.0 151.6

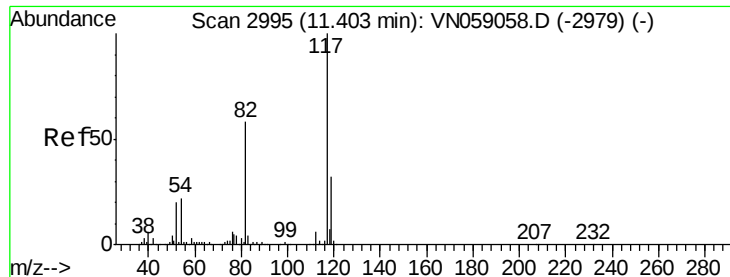


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

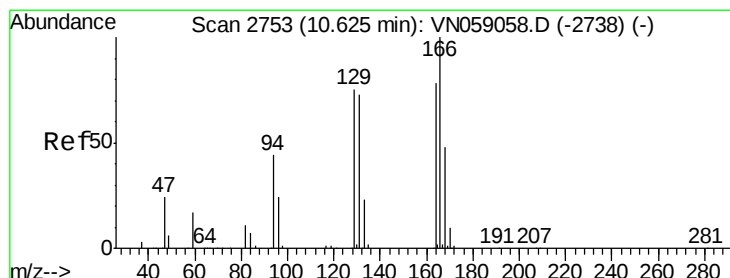
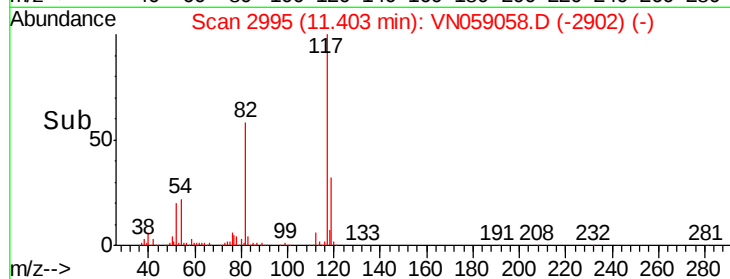
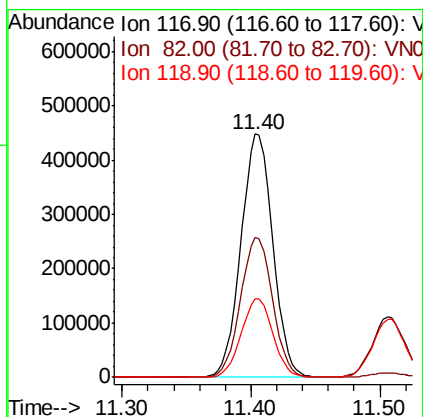
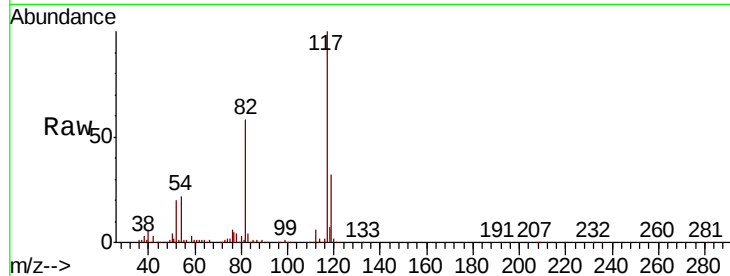




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

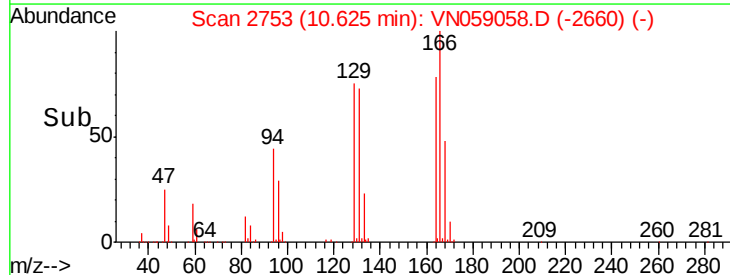
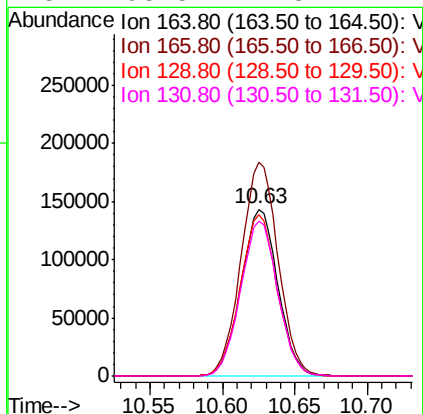
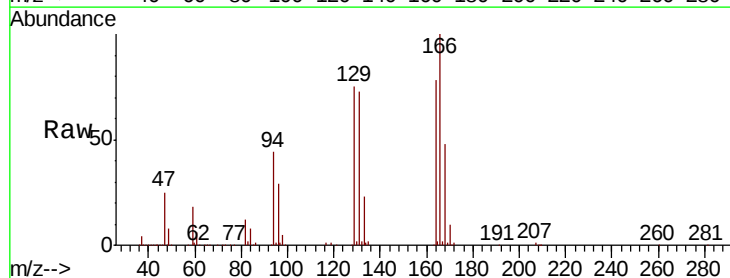
Instrument :
MSVOA_N
ClientSampled :

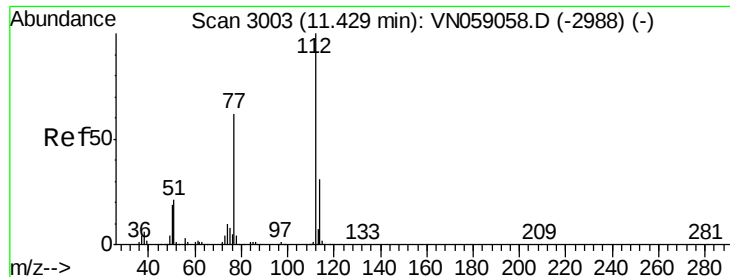
Tot Ion:117 Resp: 771710
Ion Ratio Lower Upper
117 100
82 57.5 46.0 69.0
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 47.534 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion:164 Resp: 254047
Ion Ratio Lower Upper
164 100
166 128.4 102.7 154.1
129 96.6 77.3 115.9
131 93.5 74.8 112.2

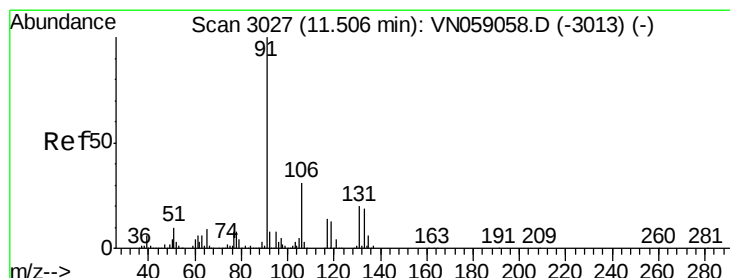
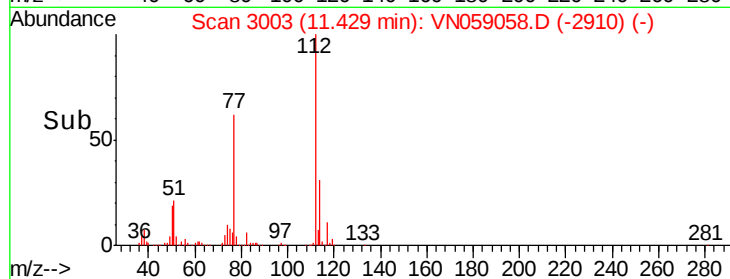
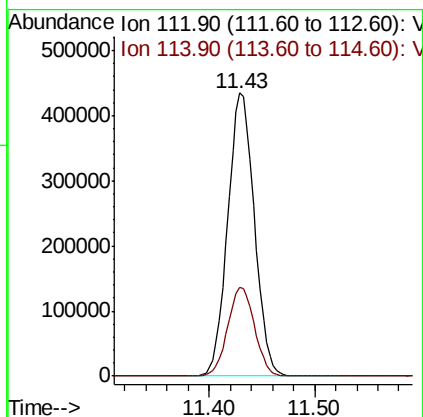
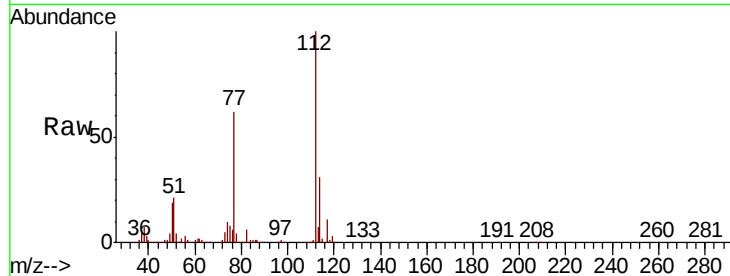




#65
Chlorobenzene
Concen: 48.703 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

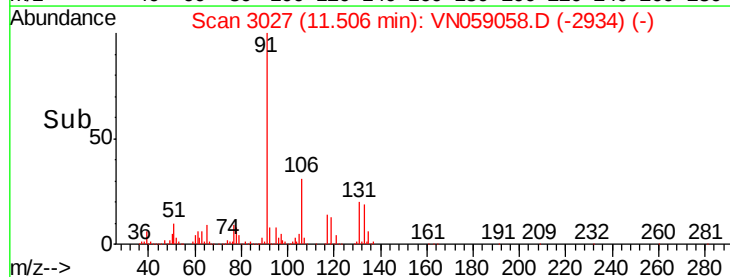
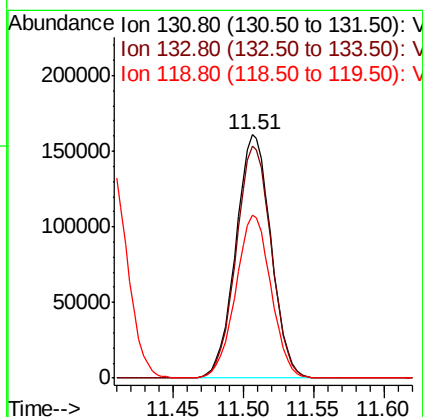
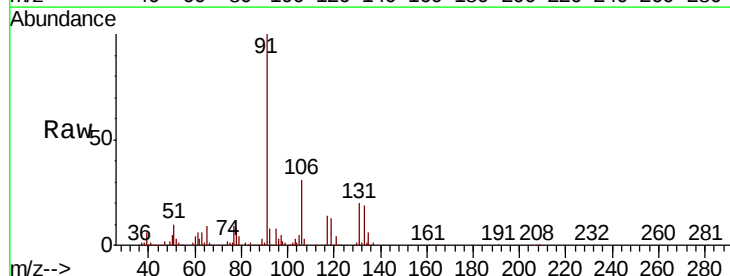
Instrument :
MSVOA_N
ClientSampled :

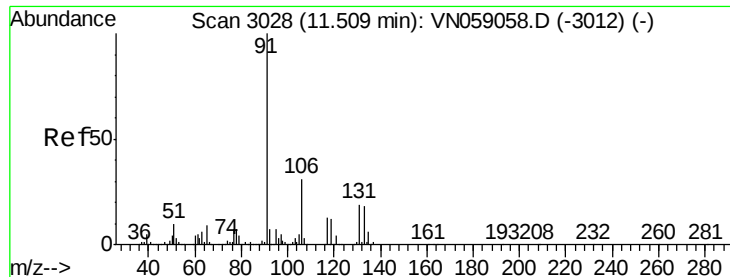
Tot Ion:112 Resp: 757634
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 48.088 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion:131 Resp: 281785
Ion Ratio Lower Upper
131 100
133 95.7 47.9 143.6
119 67.0 33.5 100.5

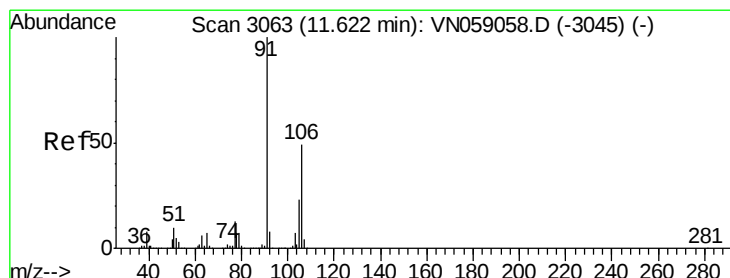
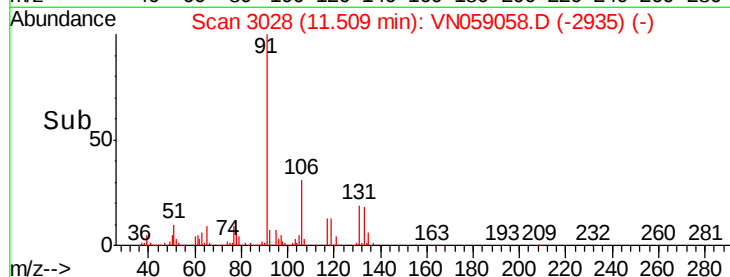
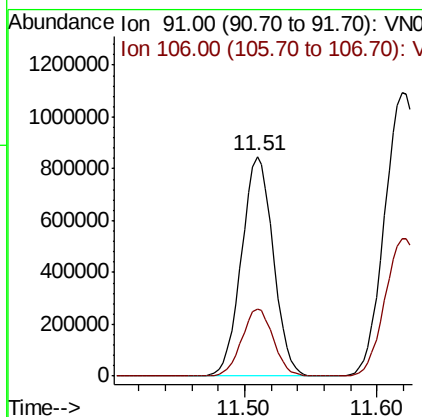
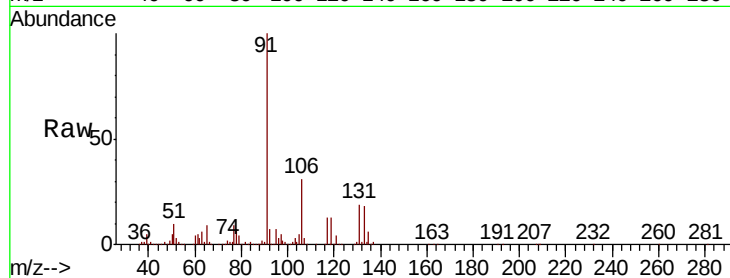




#67
Ethyl Benzene
Concen: 51.644 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

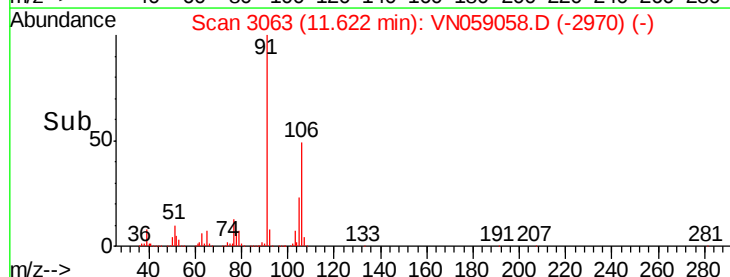
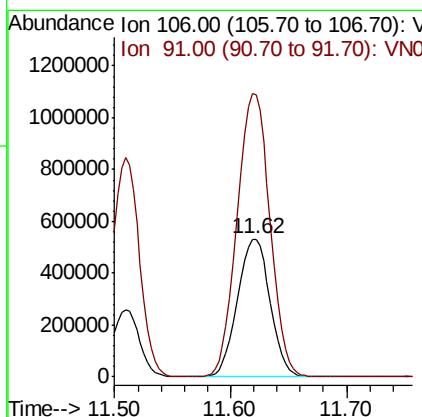
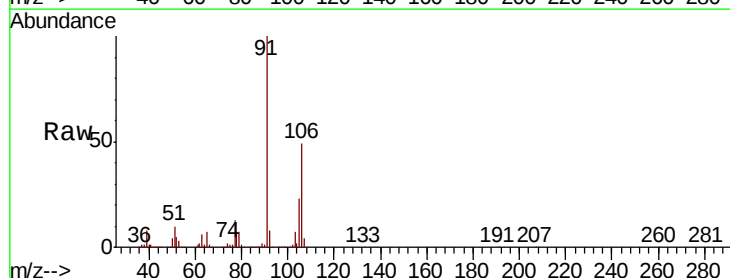
Instrument :
MSVOA_N
ClientSampled :

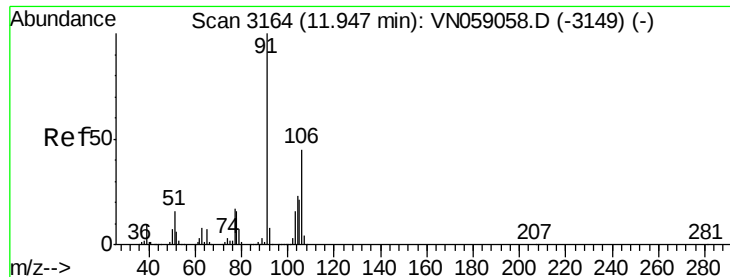
Tot Ion: 91 Resp: 1405729
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8



#68
m/p-Xylenes
Concen: 102.838 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 106 Resp: 1036652
Ion Ratio Lower Upper
106 100
91 207.1 165.7 248.5

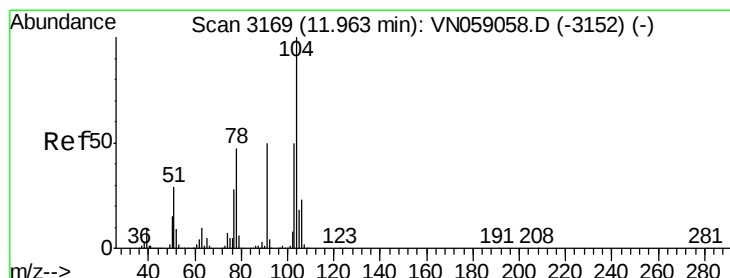
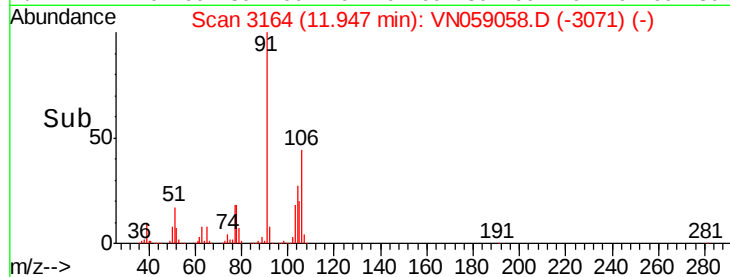
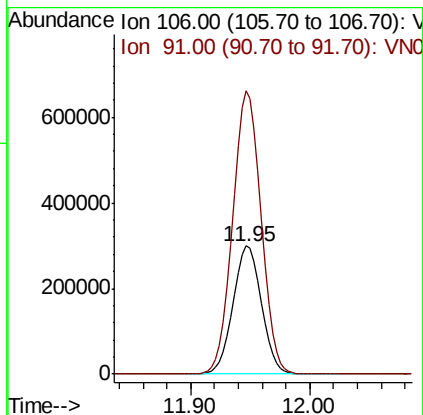
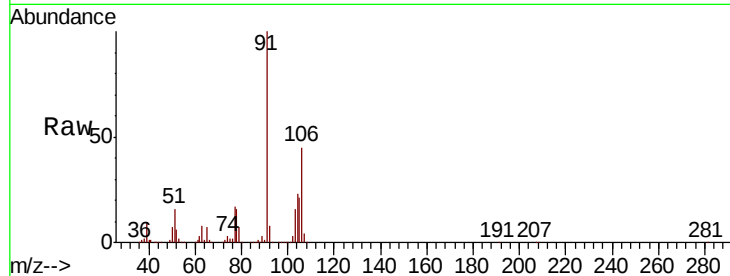




#69
o-Xylene
Concen: 51.312 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

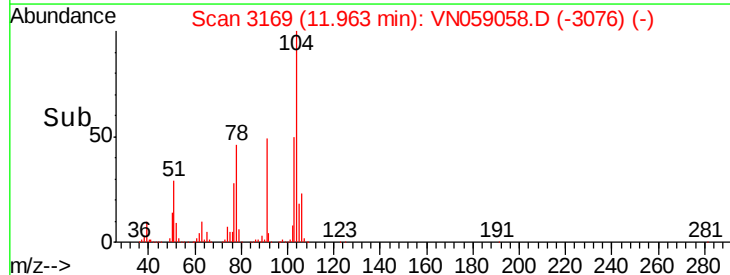
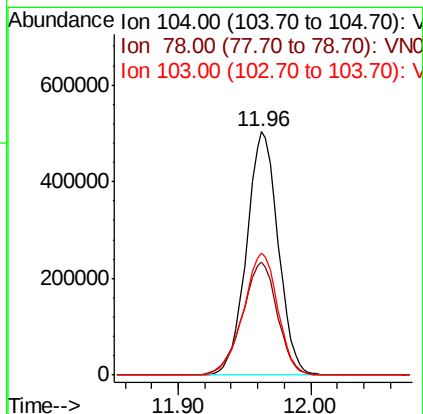
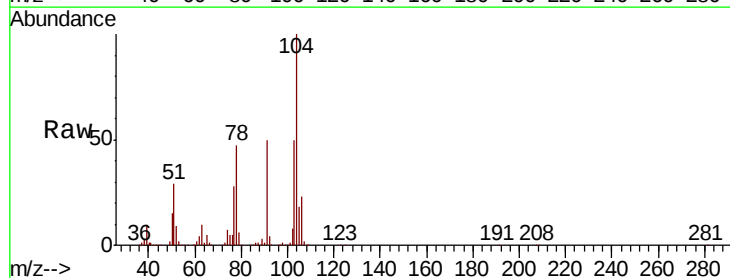
Instrument :
MSVOA_N
ClientSampled :

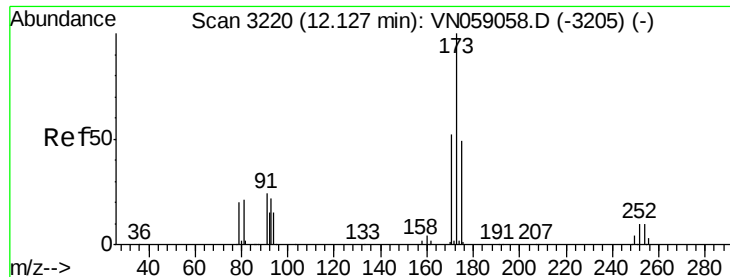
Tot Ion:106 Resp: 494652
Ion Ratio Lower Upper
106 100
91 220.8 110.4 331.2



#70
Styrene
Concen: 52.989 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion:104 Resp: 832997
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 54.9 43.9 65.9

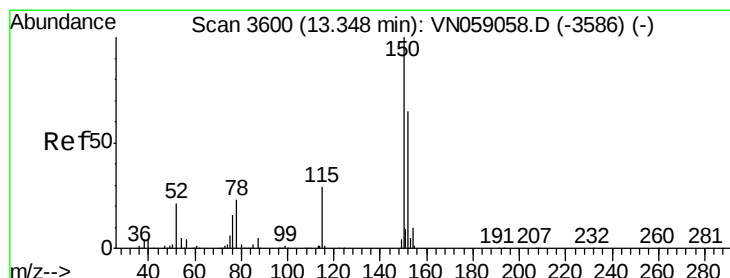
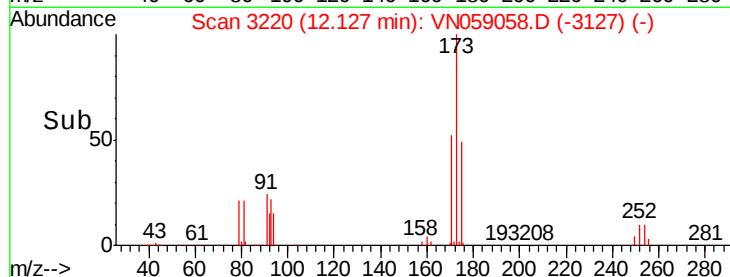
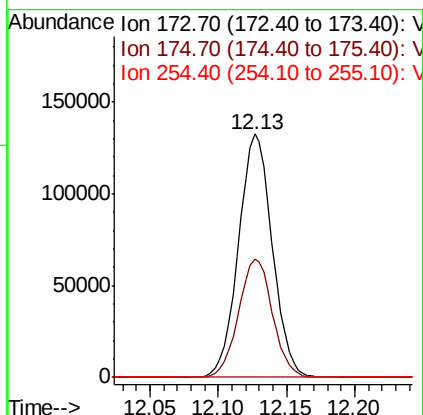
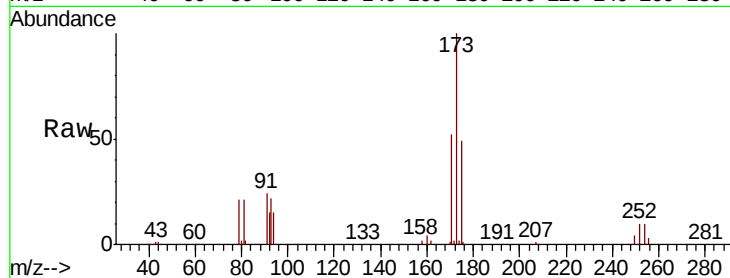




#71
Bromoform
Concen: 49.800 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

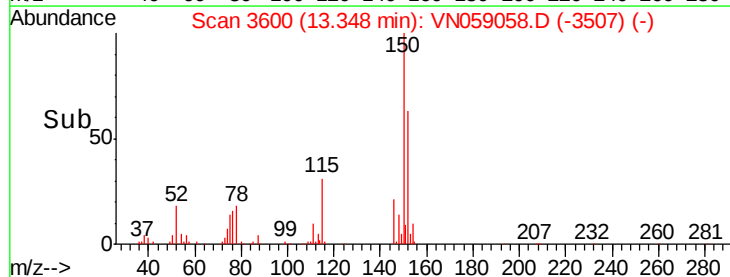
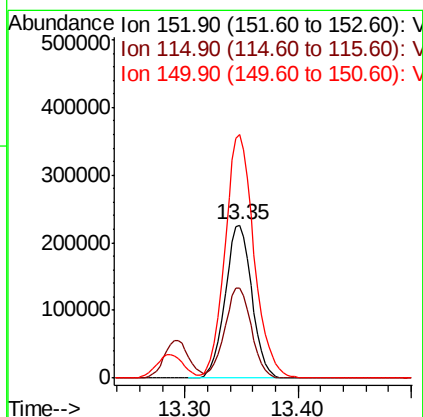
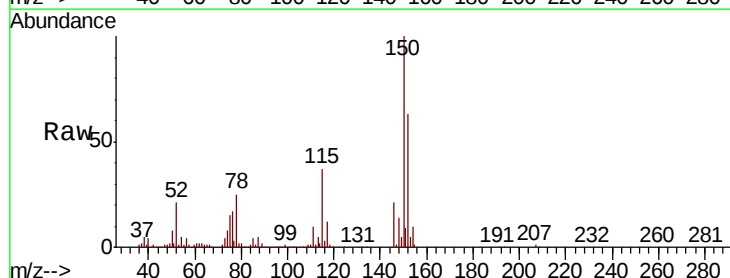
Instrument :
MSVOA_N
ClientSampleId :

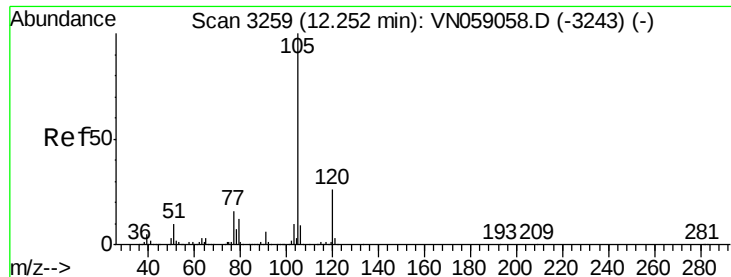
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.1	0.1	0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.6	88.9
150	172.9	0.0	345.8

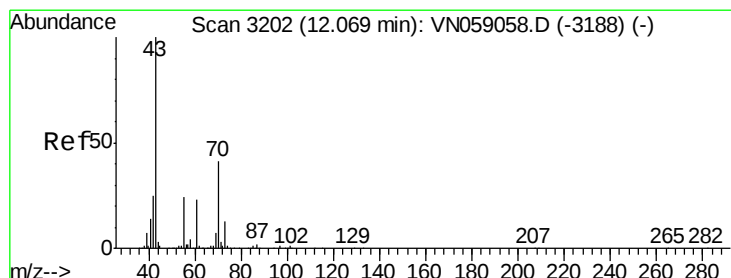
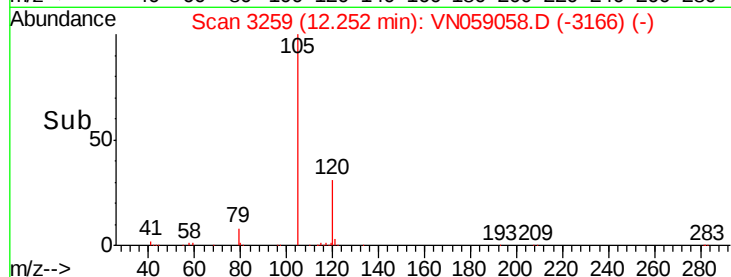
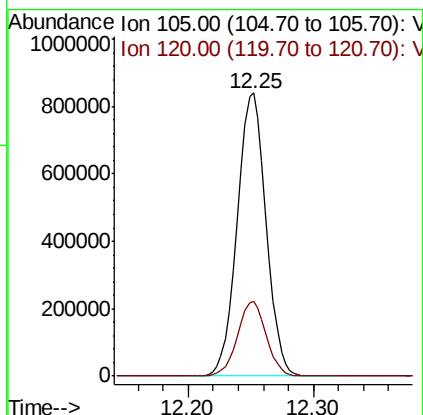
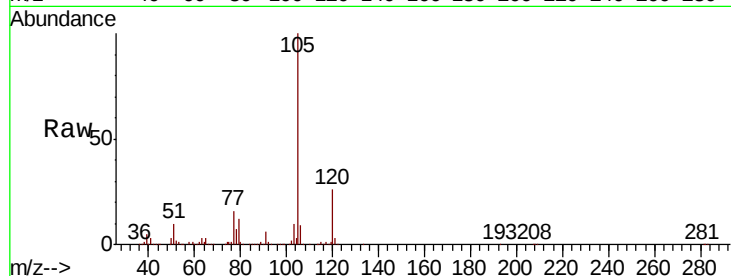




#73
Isopropylbenzene
Concen: 50.222 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

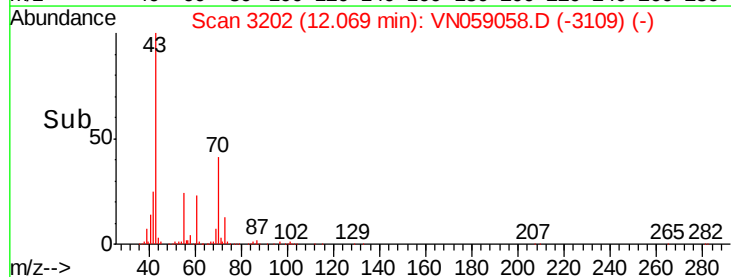
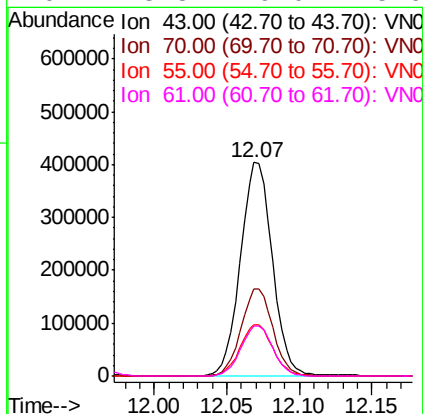
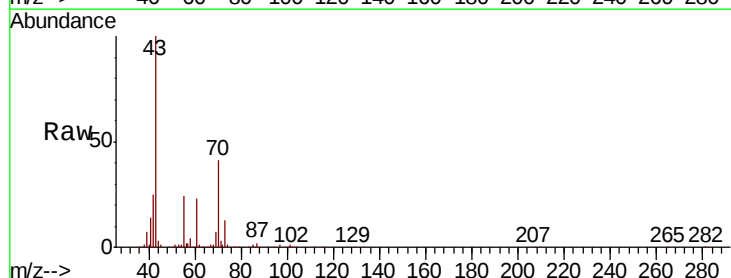
Instrument :
MSVOA_N
ClientSampleId :

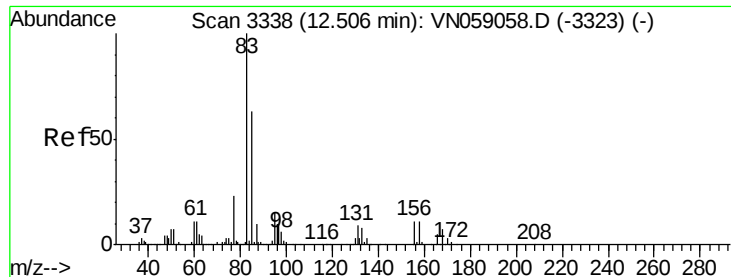
Tot Ion:105 Resp: 1342520
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1



#74
N-ethyl acetate
Concen: 51.255 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 43 Resp: 617207
Ion Ratio Lower Upper
43 100
70 40.8 32.6 49.0
55 24.6 19.7 29.5
61 23.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.348 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

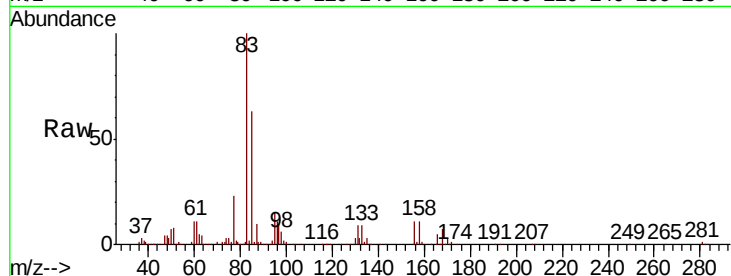
Tot Ion: 83 Resp: 444933

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

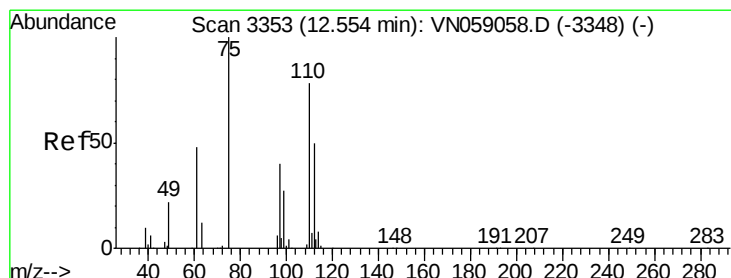
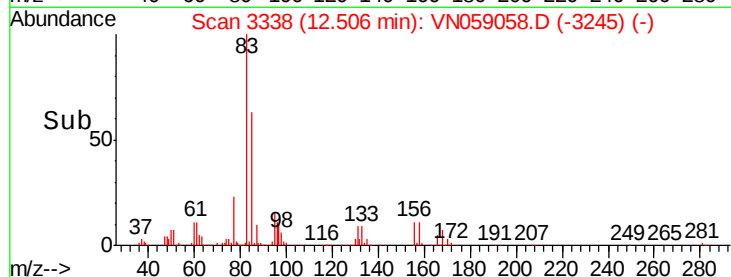
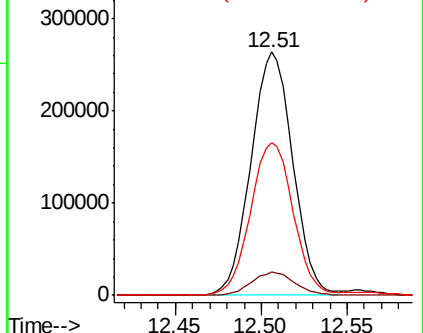
85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN059058.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN059058.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN059058.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 69.504 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059058.D

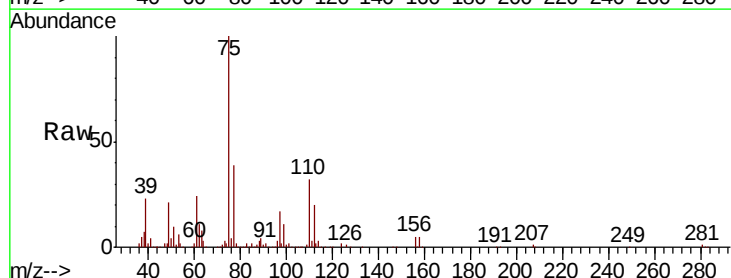
Acq: 1 Nov 2019 12:59

Tgt Ion: 75 Resp: 594716

Ion Ratio Lower Upper

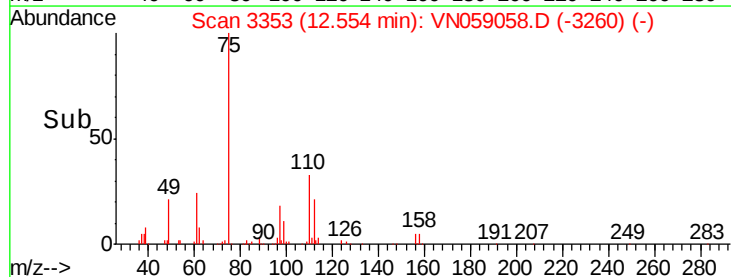
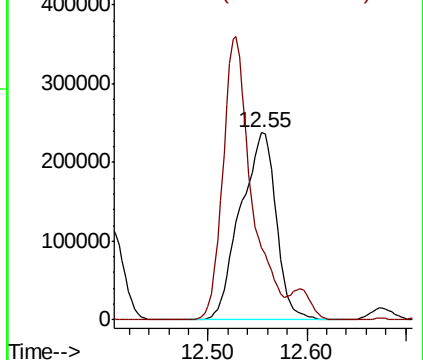
75 100

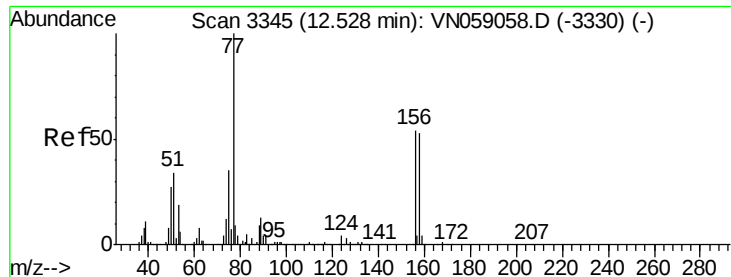
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059058.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059058.D (-3353) (-)





#77

Bromobenzene

Concen: 48.303 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

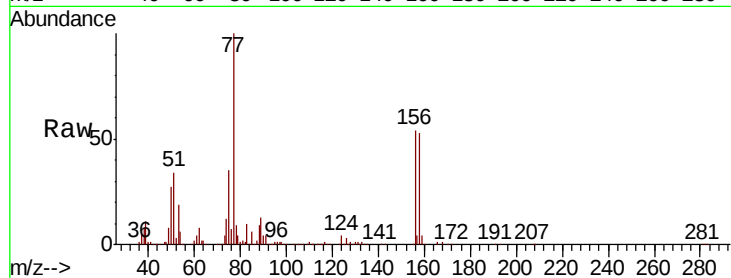
Tot Ion:156 Resp: 318737

Ion Ratio Lower Upper

156 100

77 228.4 114.2 342.6

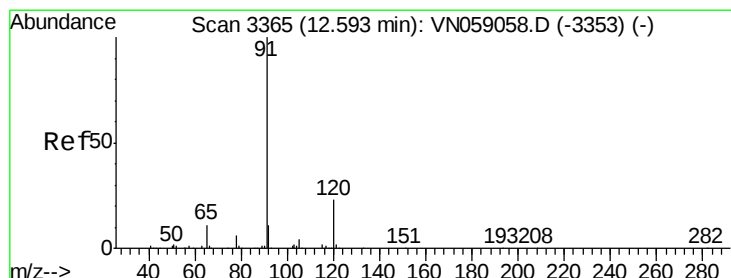
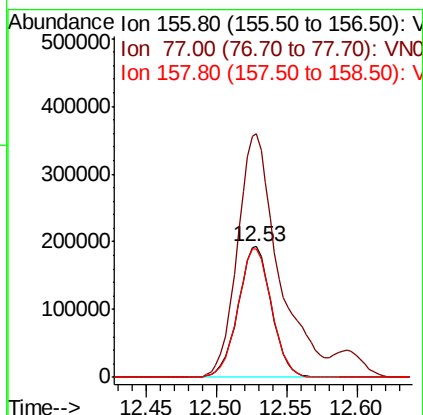
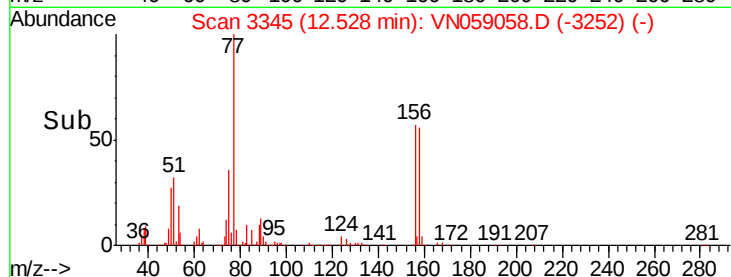
158 99.3 49.6 149.0



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: 50.830 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059058.D

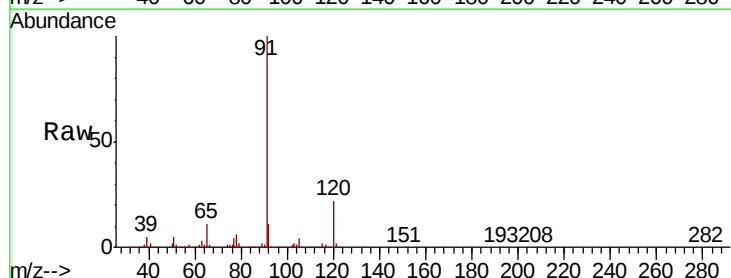
Acq: 1 Nov 2019 12:59

Tgt Ion: 91 Resp: 1604211

Ion Ratio Lower Upper

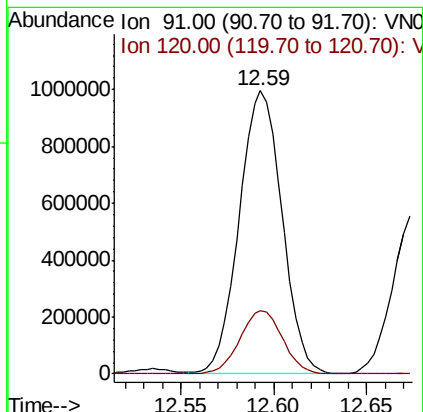
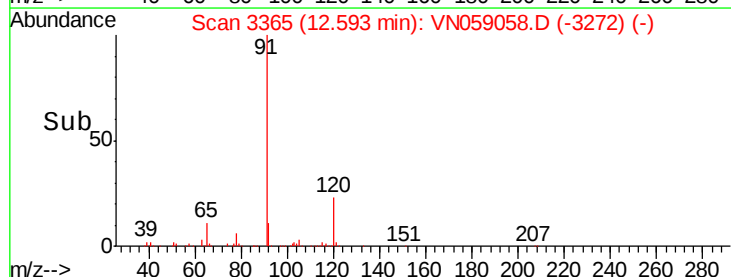
91 100

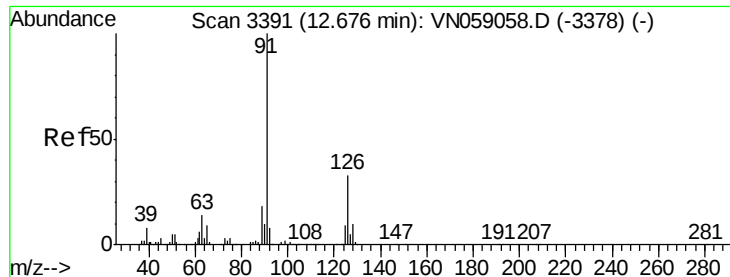
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

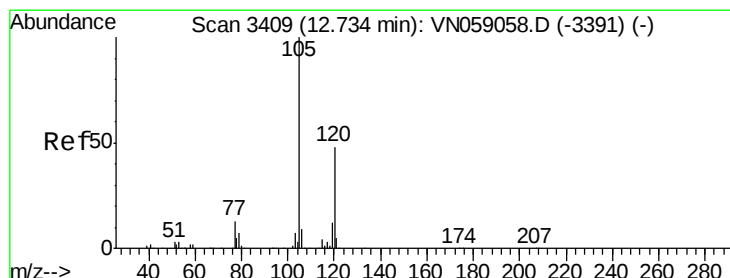
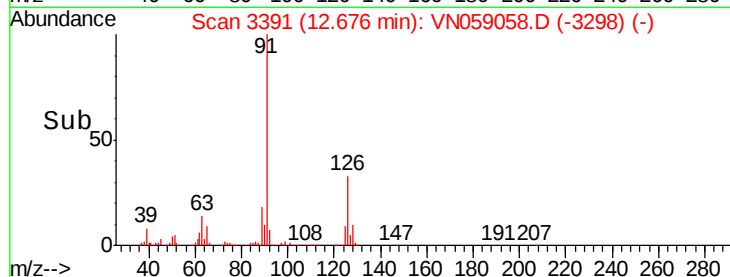
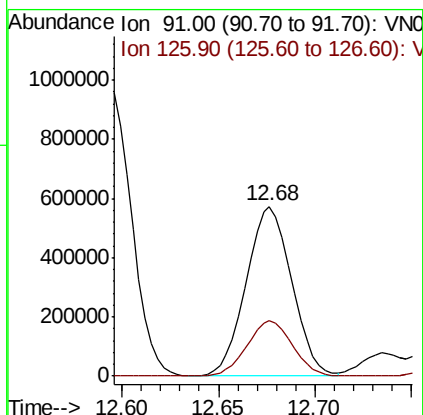
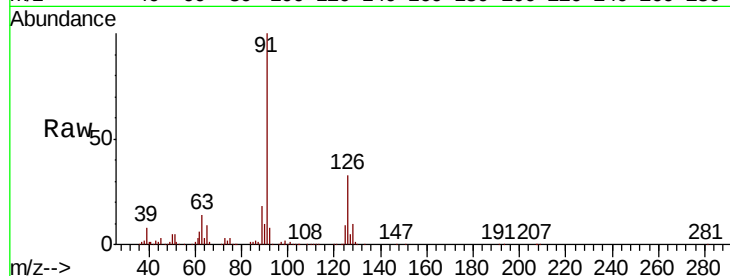




#79
 2-Chlorotoluene
 Concen: 48.704 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

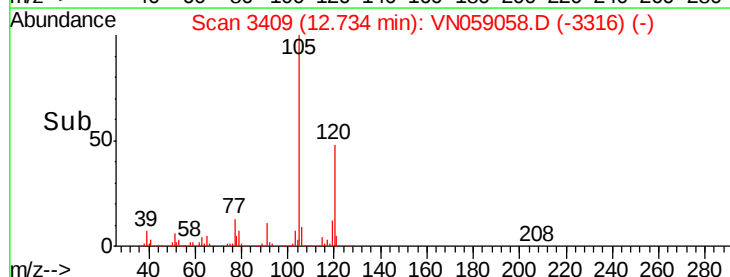
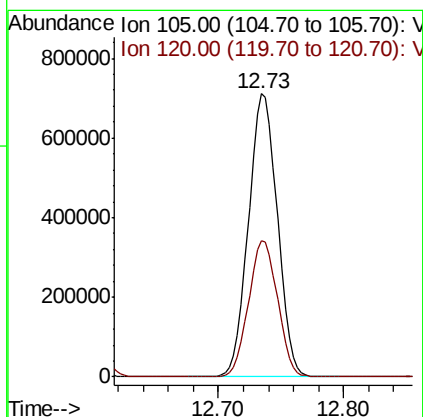
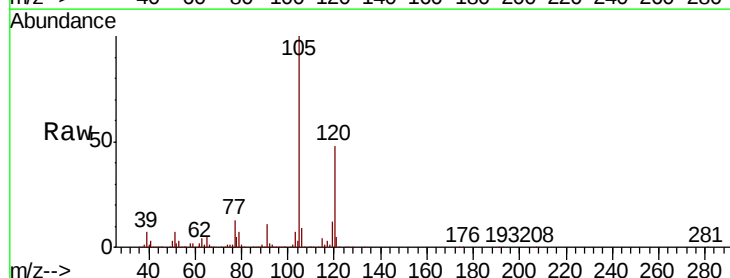
Instrument :
 MSVOA_N
 ClientSampleId :

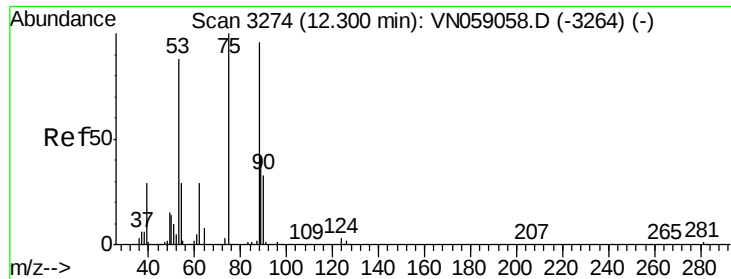
Tot Ion: 91 Resp: 942161
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.972 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion: 105 Resp: 1140953
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.429 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampled :

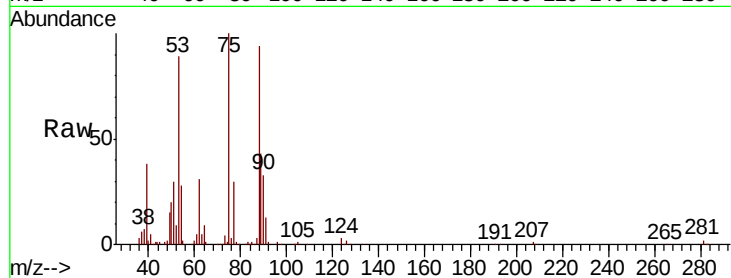
Tot Ion: 75 Resp: 168585

Ion Ratio Lower Upper

75 100

53 88.0 70.4 105.6

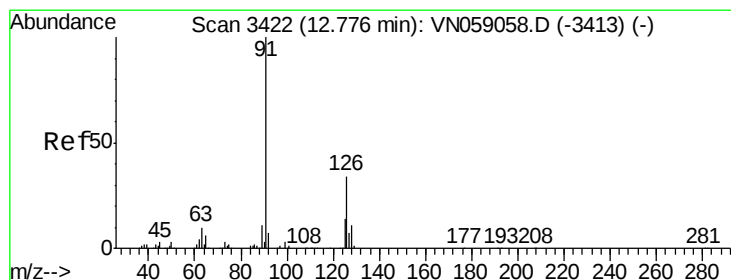
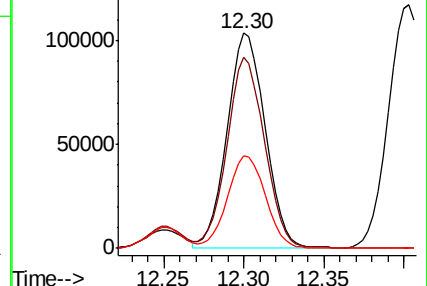
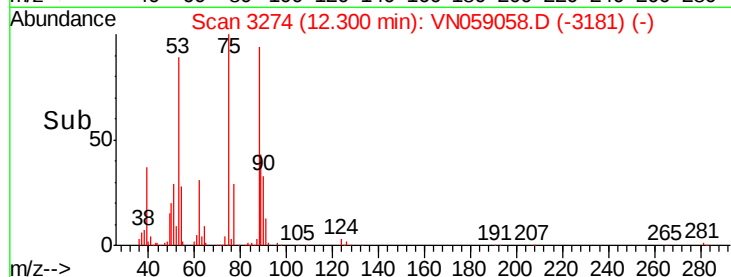
89 42.7 34.2 51.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.167 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059058.D

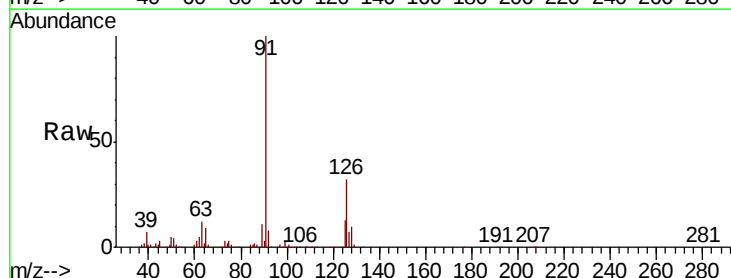
Acq: 1 Nov 2019 12:59

Tgt Ion: 91 Resp: 969155

Ion Ratio Lower Upper

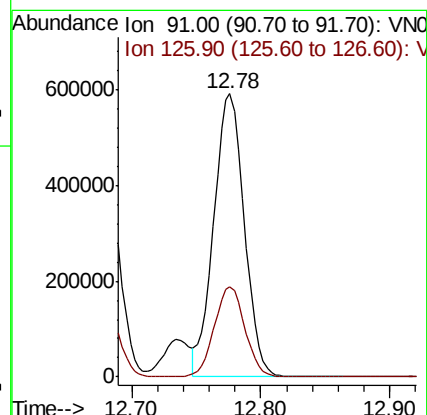
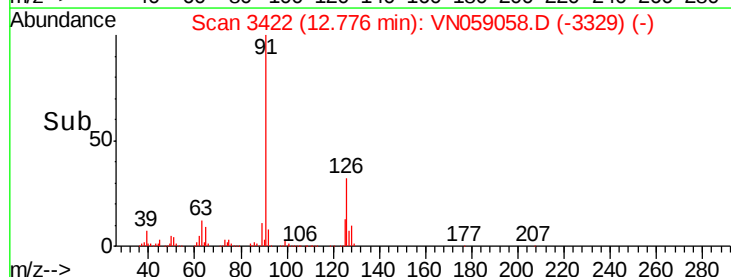
91 100

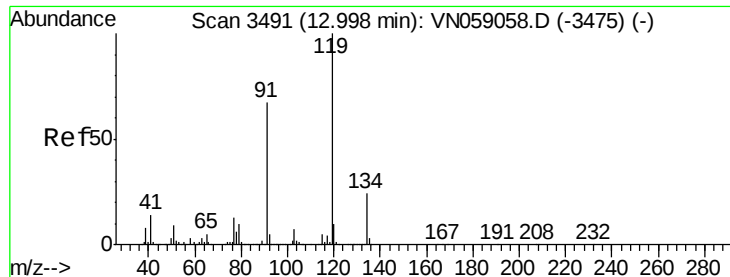
126 31.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

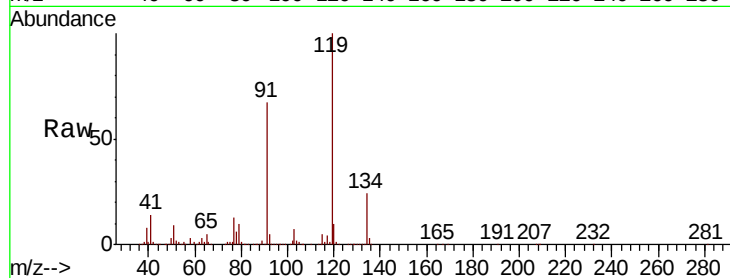




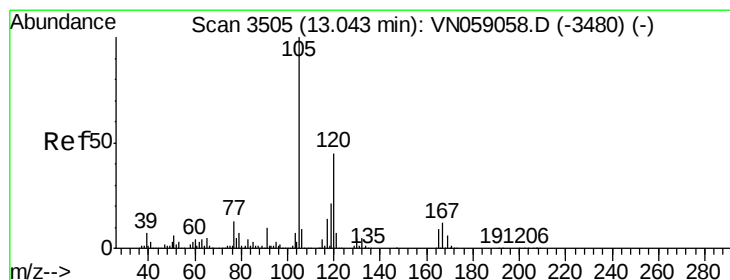
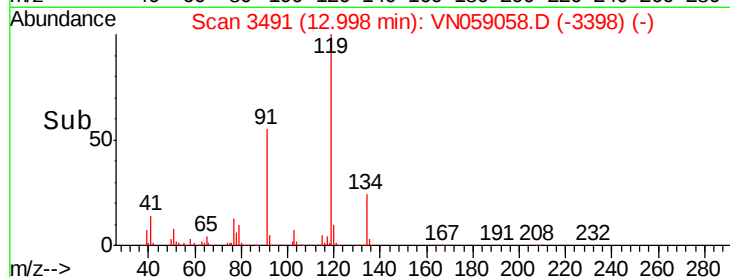
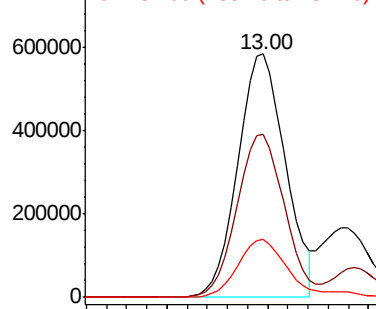
#83
 tert-Butylbenzene
 Concen: 49.909 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 956740
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.7 101.0
 134 25.8 12.9 38.7

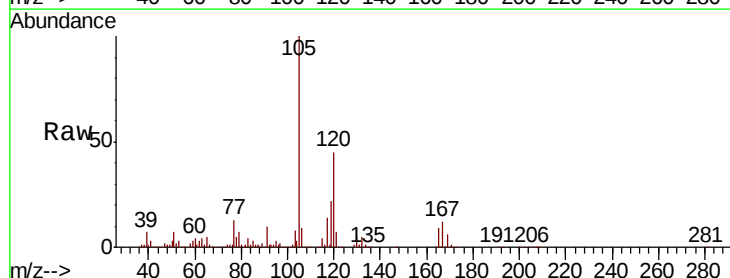


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

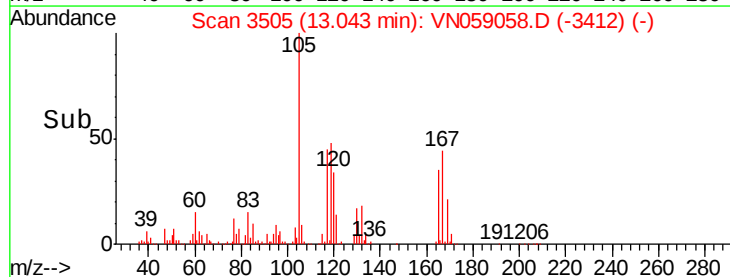
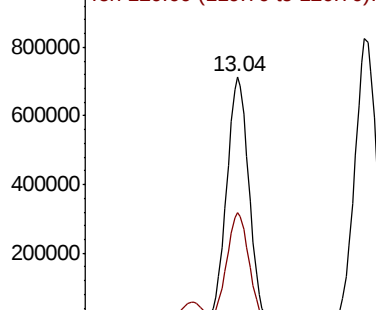


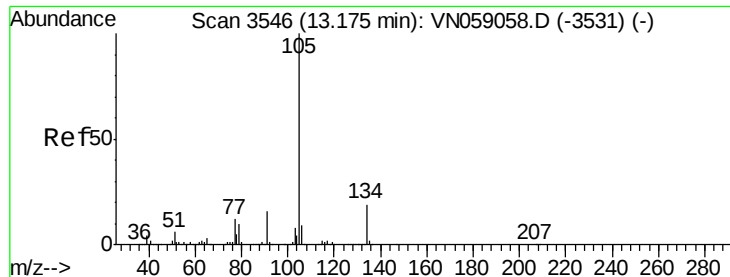
#84
 1,2,4-Trimethylbenzene
 Concen: 52.056 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion:105 Resp: 1148542
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.3 66.9



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

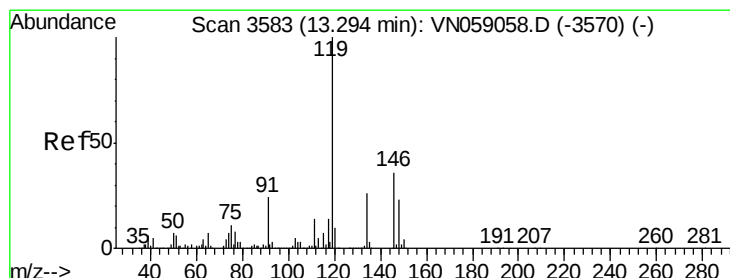
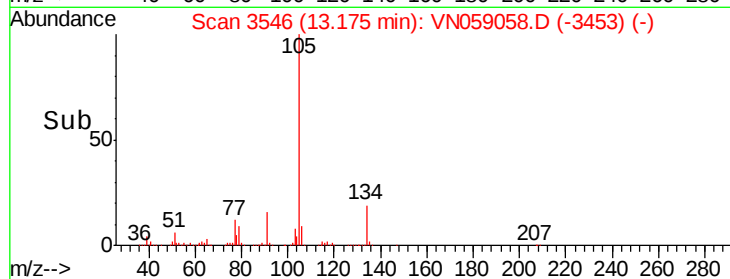
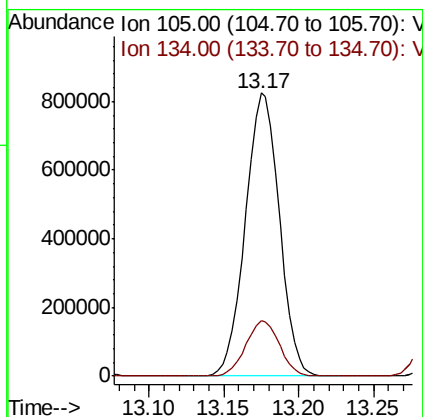
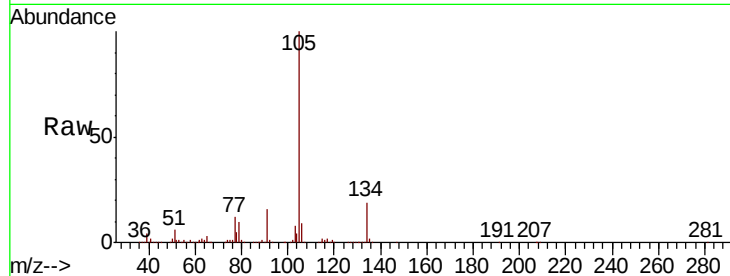




#85
 sec-Butylbenzene
 Concen: 51.085 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

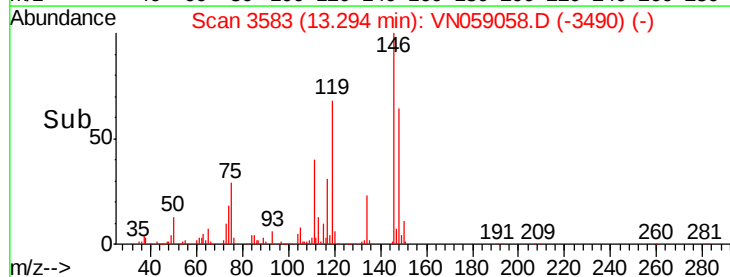
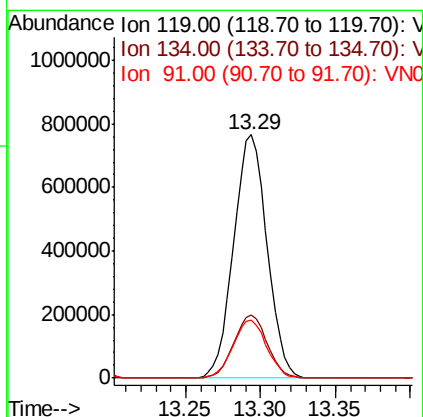
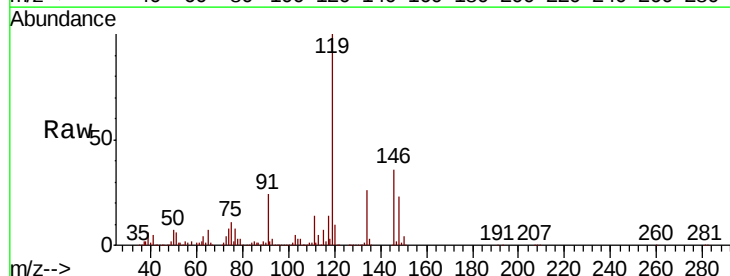
Instrument :
 MSVOA_N
 ClientSampleId :

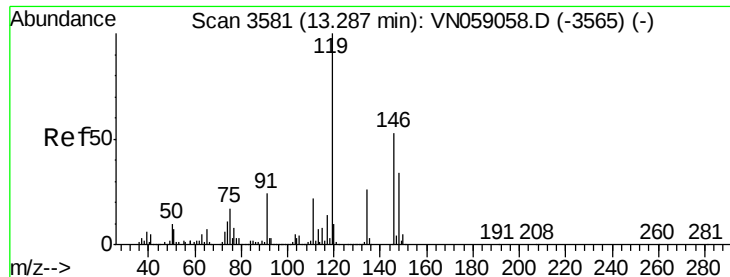
Tot Ion:105 Resp: 1302663
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 52.635 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion:119 Resp: 1186122
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 24.0 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 48.671 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampled :

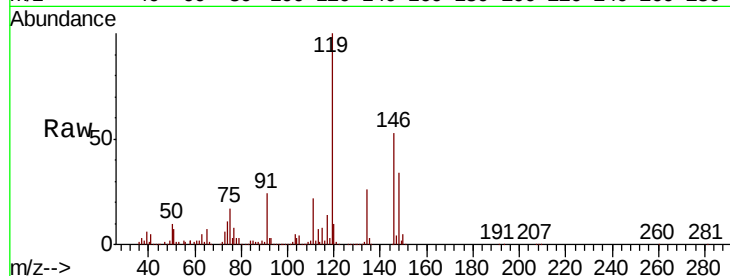
Tot Ion:146 Resp: 572659

Ion Ratio Lower Upper

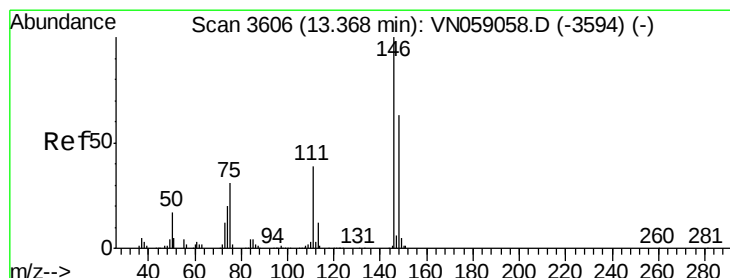
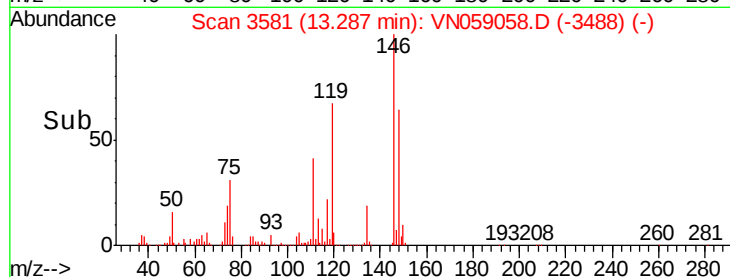
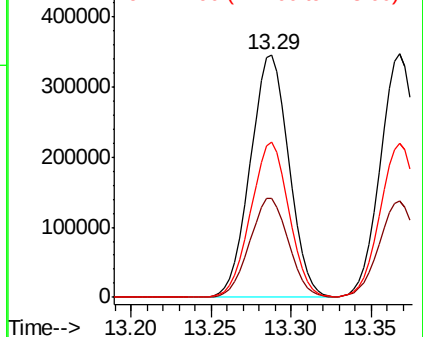
146 100

111 41.0 20.5 61.5

148 63.5 31.8 95.3



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: 48.372 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

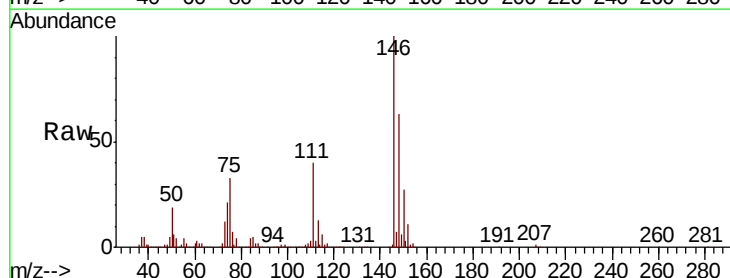
Tgt Ion:146 Resp: 569436

Ion Ratio Lower Upper

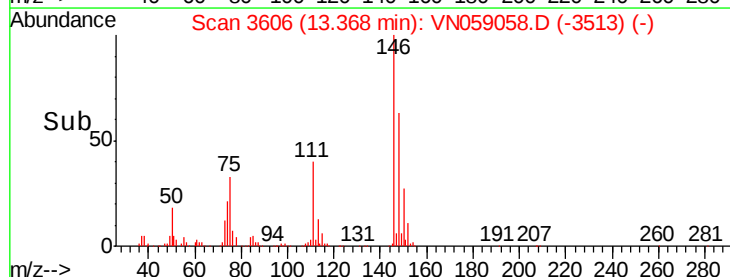
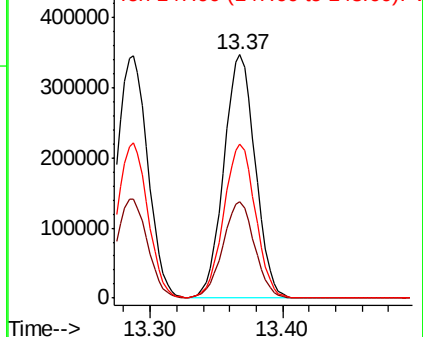
146 100

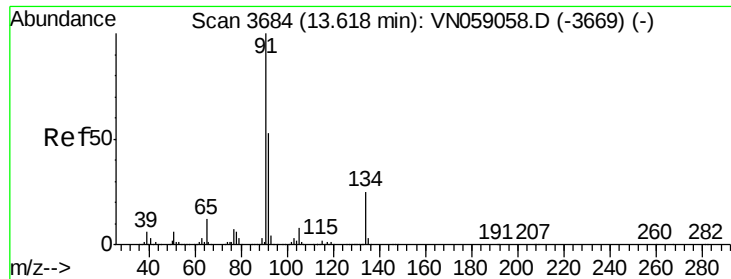
111 40.1 20.1 60.2

148 63.8 31.9 95.7



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

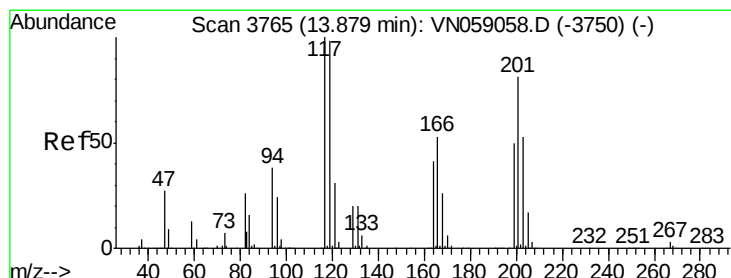
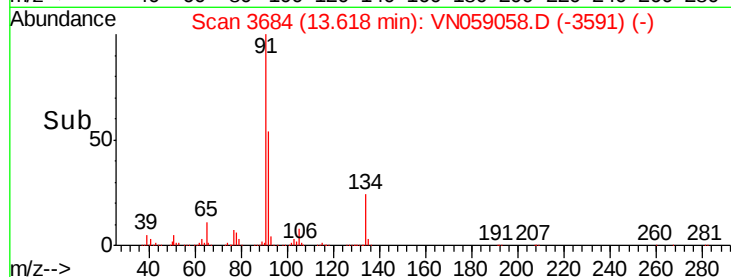
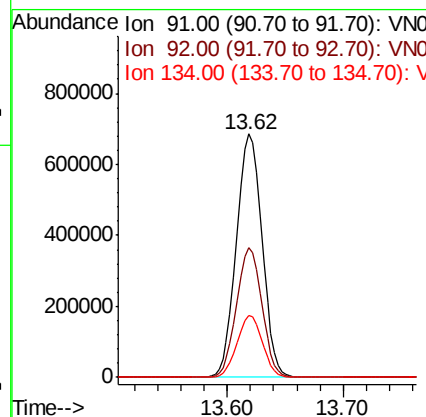
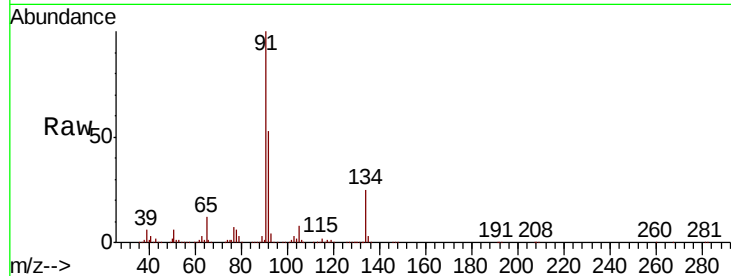




#89
n-Butylbenzene
Concen: 50.896 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

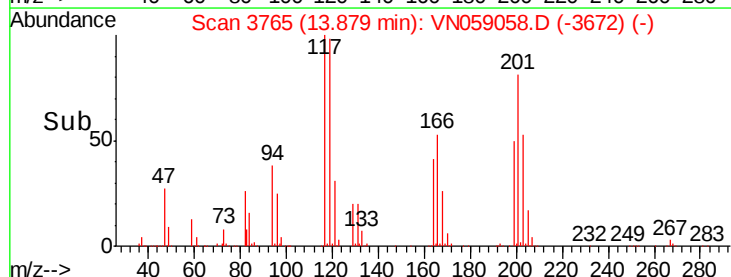
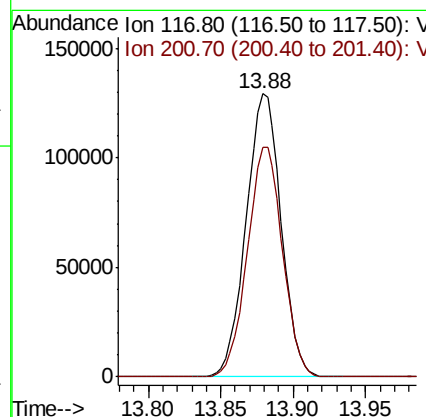
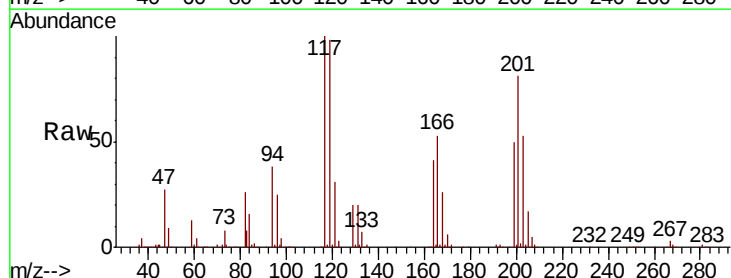
Instrument :
MSVOA_N
ClientSampled :

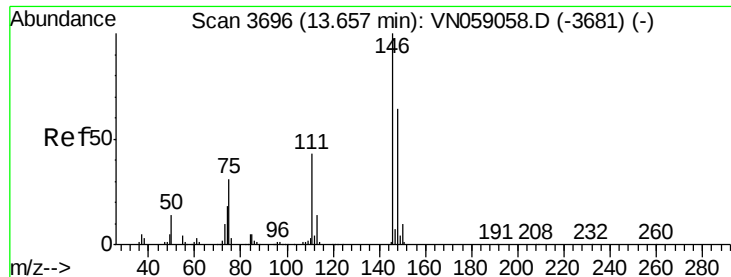
Tot Ion: 91 Resp: 1047203
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 25.0 12.5 37.5



#90
Hexachloroethane
Concen: 47.500 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 117 Resp: 217259
Ion Ratio Lower Upper
117 100
201 81.4 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 48.532 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

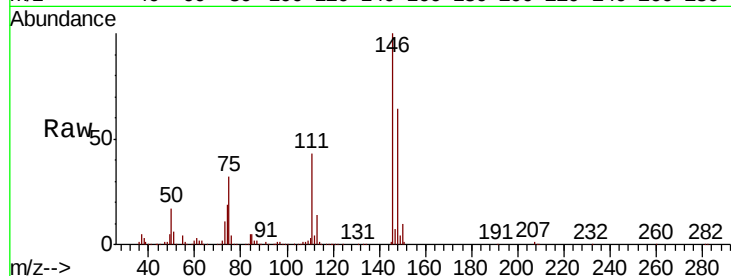
Tot Ion:146 Resp: 560192

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

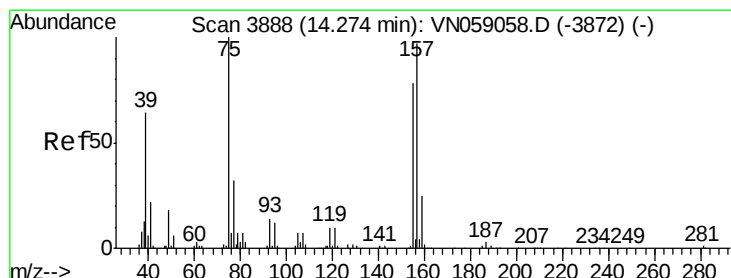
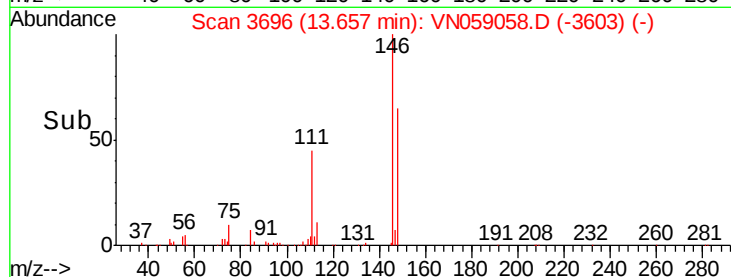
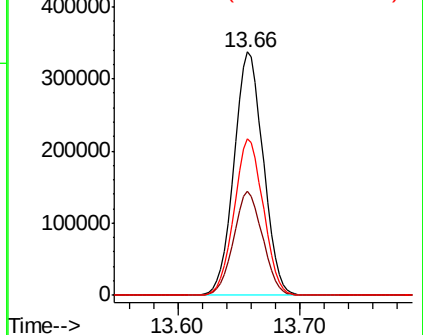
148 64.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.498 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

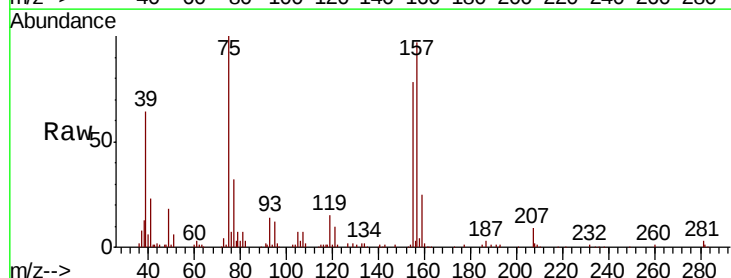
Tgt Ion: 75 Resp: 91392

Ion Ratio Lower Upper

75 100

155 79.4 39.7 119.1

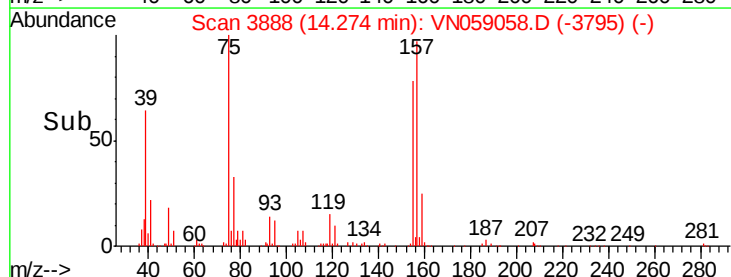
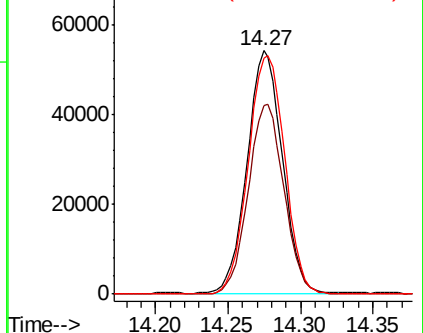
157 102.0 51.0 153.0

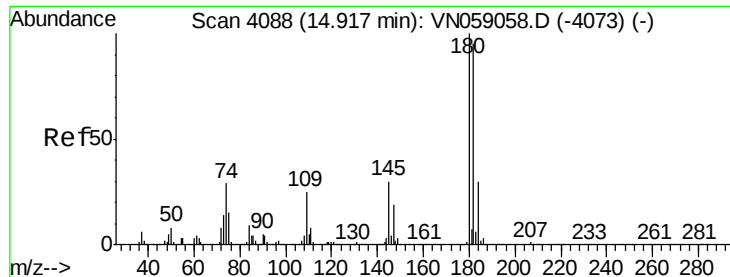


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 51.094 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampled :

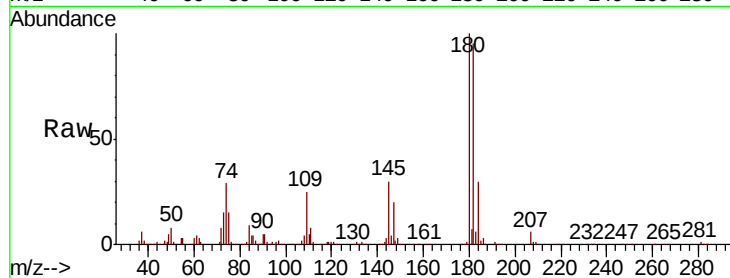
Tot Ion:180 Resp: 323718

Ion Ratio Lower Upper

180 100

182 95.6 47.8 143.4

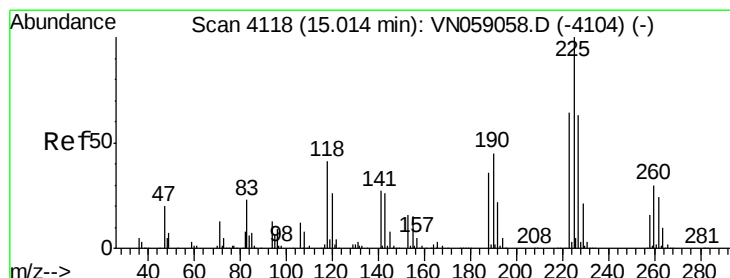
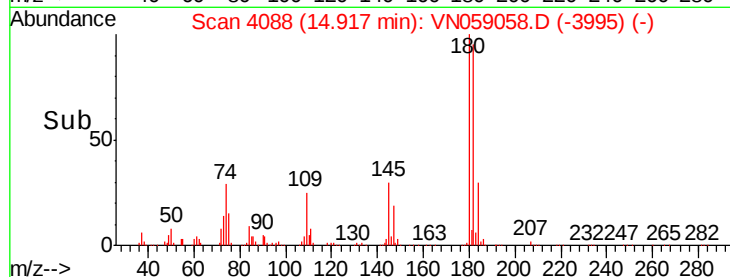
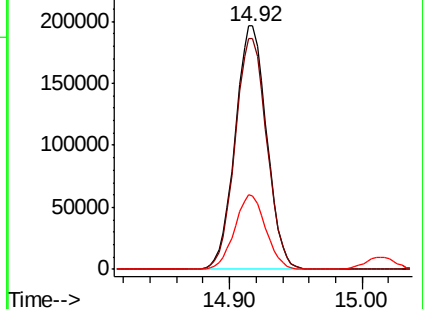
145 30.2 15.1 45.3



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: 48.636 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

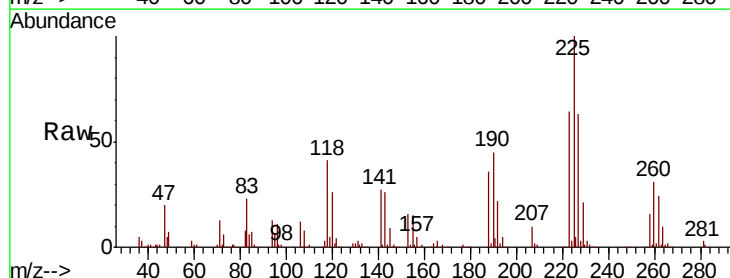
Tgt Ion:225 Resp: 182893

Ion Ratio Lower Upper

225 100

223 63.3 31.6 95.0

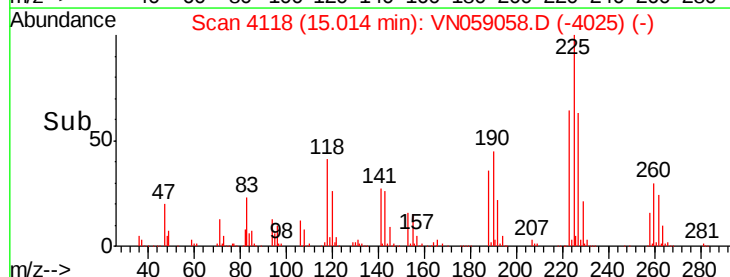
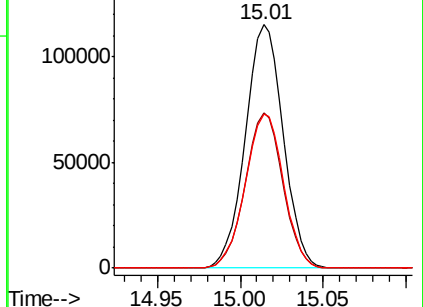
227 63.8 31.9 95.7

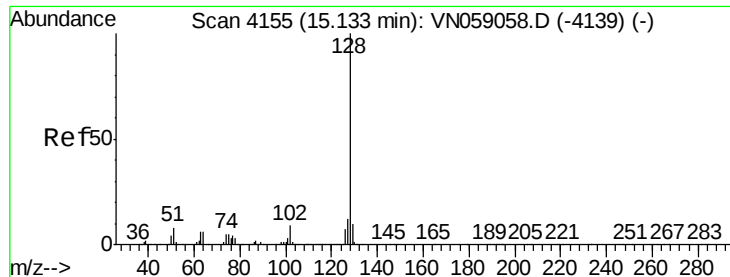


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

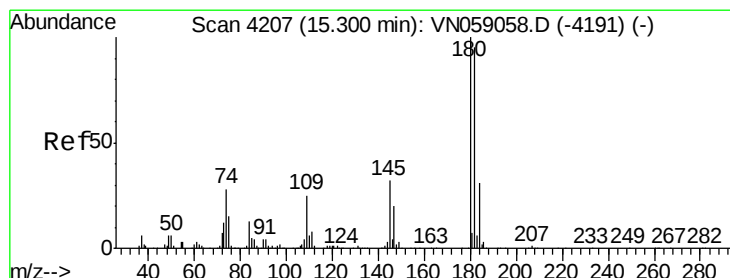
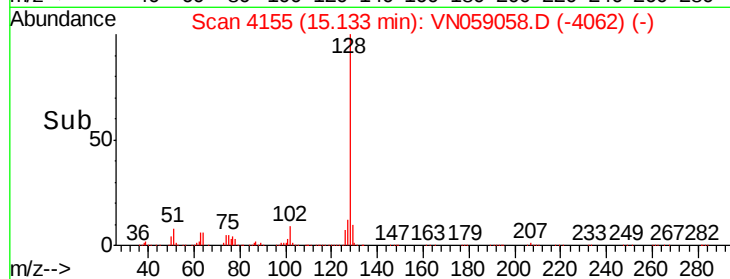
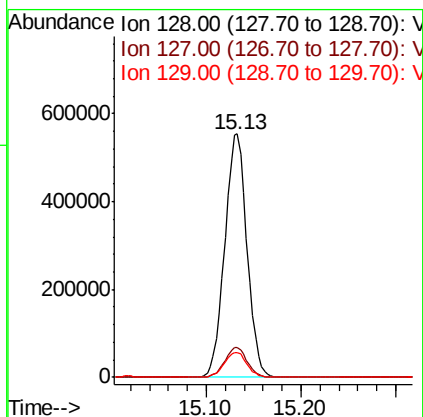
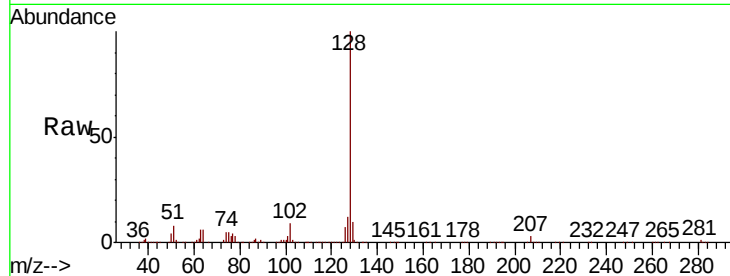




#95
Naphthalene
Concen: 51.525 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 904258
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 10.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 50.580 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion:180 Resp: 315374
Ion Ratio Lower Upper
180 100
182 95.4 47.7 143.1
145 32.0 16.0 48.0

