

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060034.D
 Acq On : 10 Feb 2020 9:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 07:06:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	178087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	277423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	257547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128743	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	106865	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
35) Dibromofluoromethane	7.56	113	86793	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.08	98	327744	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	125269	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	79030	37.509	ug/l	97
3) Chloromethane	2.04	50	80137	39.305	ug/l	100
4) Vinyl Chloride	2.17	62	105685	45.304	ug/l	98
5) Bromomethane	2.54	94	61096	42.915	ug/l	98
6) Chloroethane	2.68	64	51882	47.009	ug/l	99
7) Trichlorofluoromethane	3.00	101	129190	46.113	ug/l	98
8) Diethyl Ether	3.38	74	47868	48.686	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	77585	49.758	ug/l	94
10) Methyl Iodide	3.93	142	98456	39.064	ug/l	96
11) Tert butyl alcohol	4.72	59	74763	224.557	ug/l	98
12) 1,1-Dichloroethene	3.72	96	71370	43.804	ug/l	90
13) Acrolein	3.58	56	61892	262.613	ug/l	97
14) Allyl chloride	4.29	41	105865	48.206	ug/l #	84
15) Acrylonitrile	4.94	53	191995	252.807	ug/l	100
16) Acetone	3.78	43	266576	401.255	ug/l	97
17) Carbon Disulfide	4.03	76	164383	35.417	ug/l	99
18) Methyl Acetate	4.28	43	118921	51.479	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	270428	50.906	ug/l	95
20) Methylene Chloride	4.52	84	84900	47.381	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	78511	45.332	ug/l	93
22) Diisopropyl ether	5.91	45	258095	51.860	ug/l	95
23) Vinyl Acetate	5.86	43	977965	253.802	ug/l	96
24) 1,1-Dichloroethane	5.82	63	151373	49.778	ug/l	99
25) 2-Butanone	6.80	43	309267	276.141	ug/l	94
26) 2,2-Dichloropropane	6.79	77	146948	50.264	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	96762	48.575	ug/l	91
28) Bromochloromethane	7.17	49	62426	51.362	ug/l #	79
29) Tetrahydrofuran	7.18	42	164613	237.557	ug/l	90
30) Chloroform	7.35	83	162762	51.657	ug/l	98
31) Cyclohexane	7.63	56	121125	41.394	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	148042	50.817	ug/l	96
36) 1,1-Dichloropropene	7.77	75	114028	47.199	ug/l	97
37) Ethyl Acetate	6.89	43	105949	46.758	ug/l	96
38) Carbon Tetrachloride	7.75	117	127743	48.608	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	134746	45.234	ug/l	94
40) Benzene	8.02	78	342910	47.593	ug/l	100
41) Methacrylonitrile	7.17	41	155941	139.721	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	125179	51.242	ug/l	98
43) Isopropyl Acetate	8.14	43	192484	49.387	ug/l	96
44) Trichloroethene	8.82	130	97383	49.510	ug/l	95
45) 1,2-Dichloropropane	9.10	63	91697	51.431	ug/l	100
46) Dibromomethane	9.19	93	64093	50.962	ug/l	93
47) Bromodichloromethane	9.39	83	134862	53.212	ug/l	99
48) Methyl methacrylate	9.18	41	84266	48.337	ug/l	92
49) 1,4-Dioxane	9.18	88	30601	958.861	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	566607	251.491	ug/l	97
52) Toluene	10.14	92	225065	49.453	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	150360	53.133	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	156144	52.440	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	94217	52.271	ug/l	98
56) Ethyl methacrylate	10.42	69	135238	49.102	ug/l	95
57) 1,3-Dichloropropane	10.70	76	152371	53.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	232024	279.690	ug/l	93
59) 2-Hexanone	10.74	43	454446	273.797	ug/l	95
60) Dibromochloromethane	10.89	129	110347	53.760	ug/l	100
61) 1,2-Dibromoethane	10.99	107	95836	50.728	ug/l	100
64) Tetrachloroethene	10.62	164	97655	46.524	ug/l	96
65) Chlorobenzene	11.43	112	251713	49.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	100918	51.594	ug/l	99
67) Ethyl Benzene	11.50	91	452129	49.201	ug/l	98
68) m/p-Xylenes	11.62	106	337608	97.259	ug/l	96
69) o-Xylene	11.94	106	164671	48.456	ug/l	96
70) Styrene	11.96	104	276072	48.547	ug/l	98
71) Bromoform	12.12	173	81917	52.283	ug/l #	99
73) Isopropylbenzene	12.25	105	455445	48.236	ug/l	100
74) N-amyl acetate	12.07	43	169998	46.400	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	133825	48.891	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	180051	83.102	ug/l #	100
77) Bromobenzene	12.52	156	113657	47.534	ug/l	86
78) n-propylbenzene	12.59	91	518875	48.961	ug/l	97
79) 2-Chlorotoluene	12.67	91	302000	47.902	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	381441	48.036	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	49253	48.819	ug/l	95
82) 4-Chlorotoluene	12.77	91	316794	50.098	ug/l	97
83) tert-Butylbenzene	12.99	119	340255	49.544	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	386577	49.209	ug/l	99
85) sec-Butylbenzene	13.17	105	456048	50.542	ug/l	100
86) p-Isopropyltoluene	13.28	119	414892	49.693	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	206122	49.627	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	206114	49.745	ug/l	97
89) n-Butylbenzene	13.61	91	369698	51.933	ug/l	99
90) Hexachloroethane	13.87	117	78064	49.974	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	202691	49.363	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28722	48.839	ug/l	90

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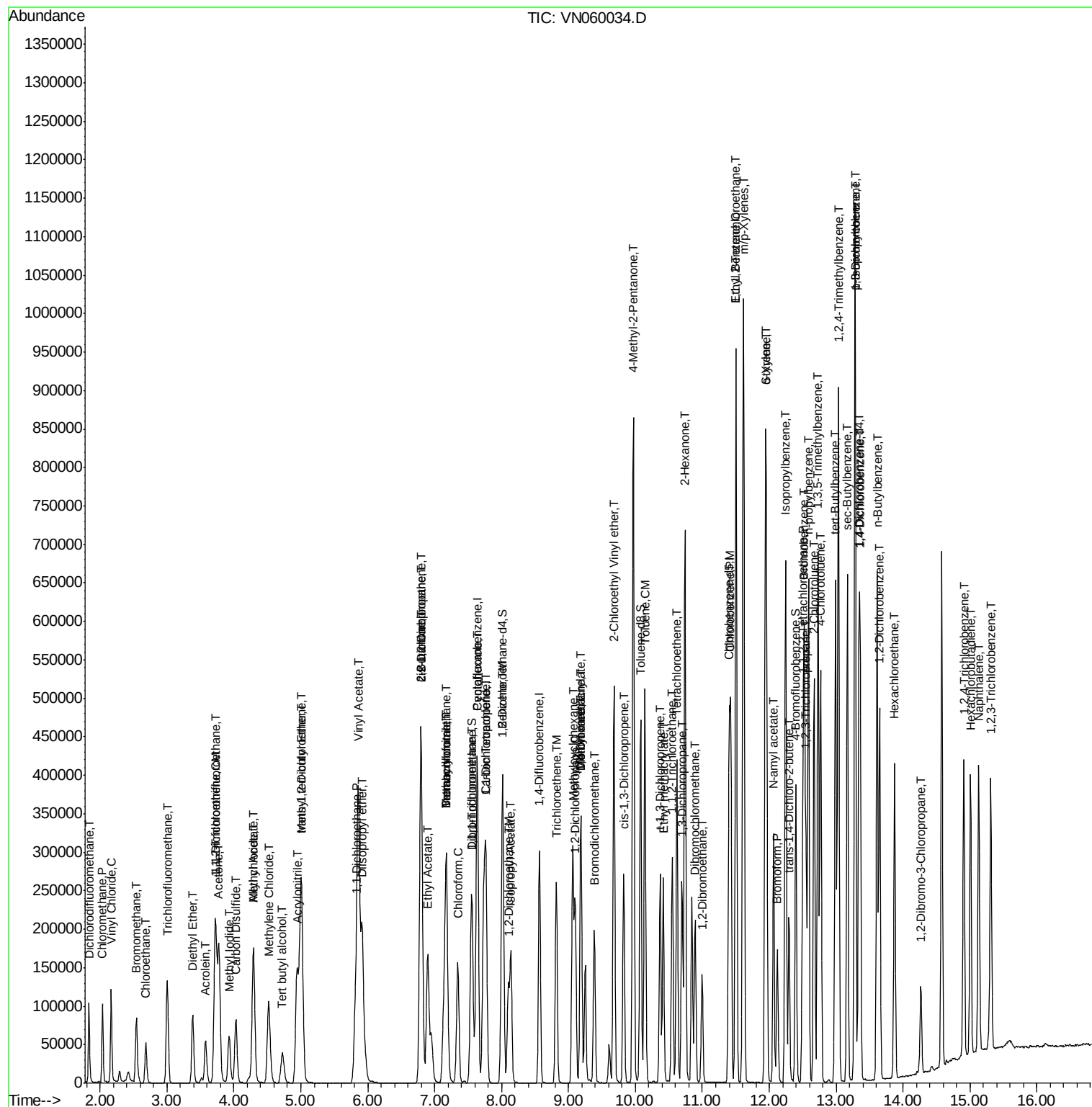
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125570	50.894	ug/l	98
94) Hexachlorobutadiene	15.01	225	70807	52.078	ug/l	97
95) Naphthalene	15.13	128	320606	45.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	120128	50.021	ug/l	99

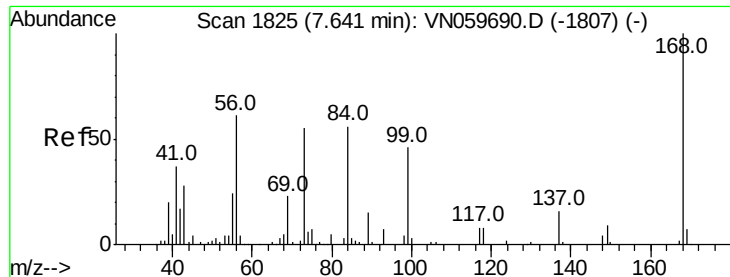
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

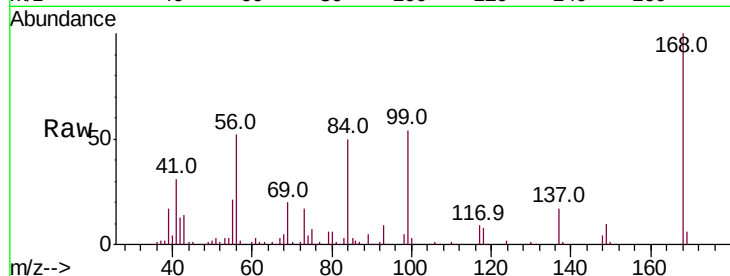
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 178087

Ion Ratio Lower Upper

168 100

99 54.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

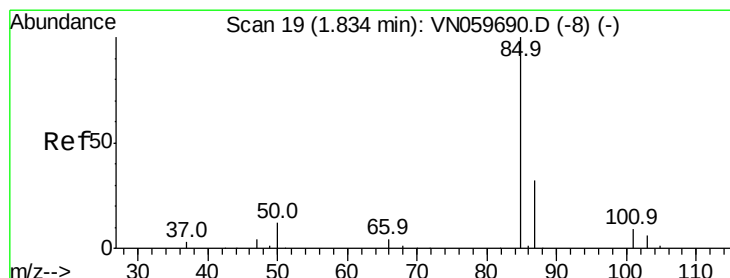
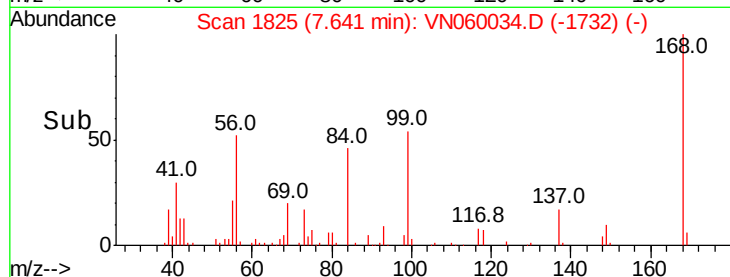
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 37.509 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060034.D

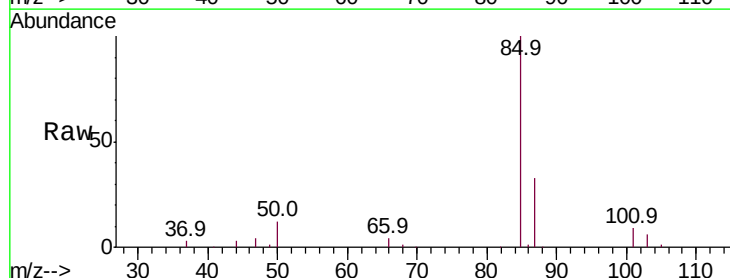
Acq: 10 Feb 2020 9:57

Tgt Ion: 85 Resp: 79030

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

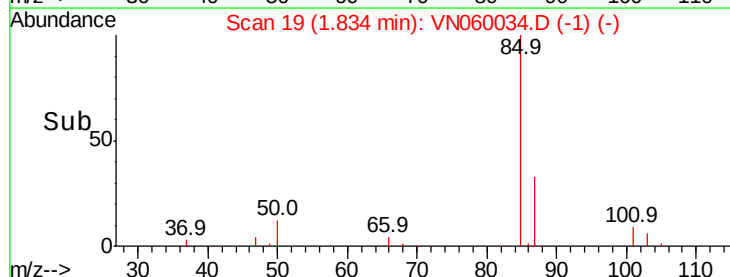
40000

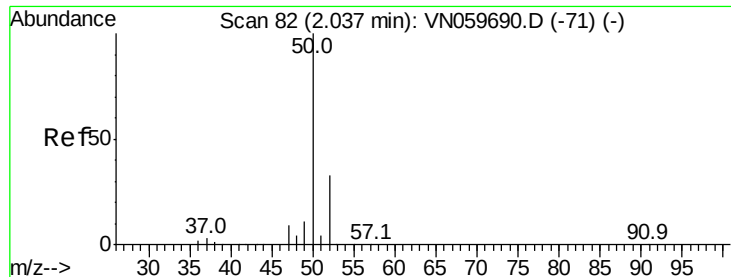
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 39.305 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

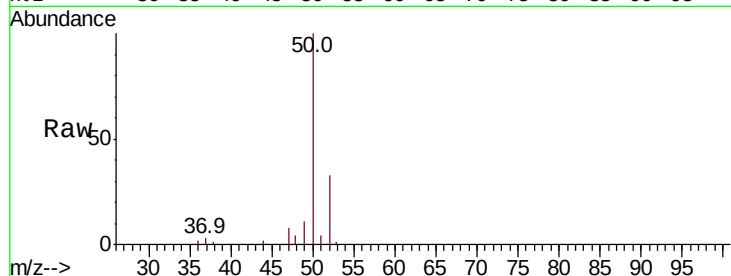
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 80137

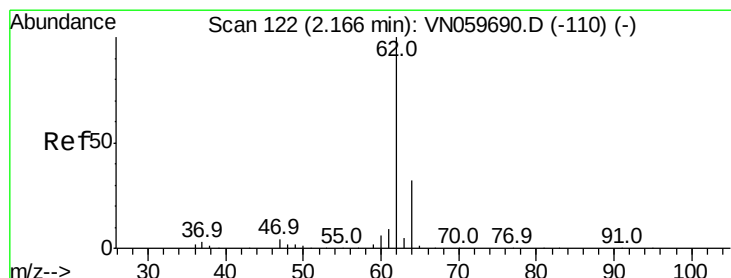
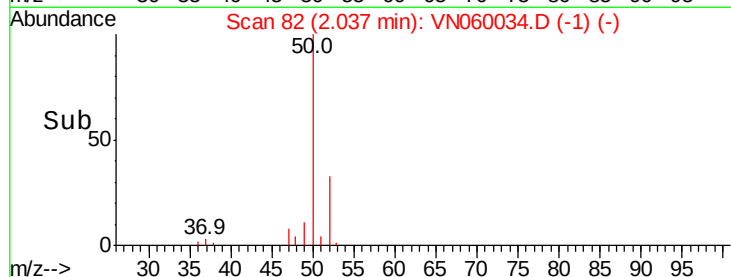
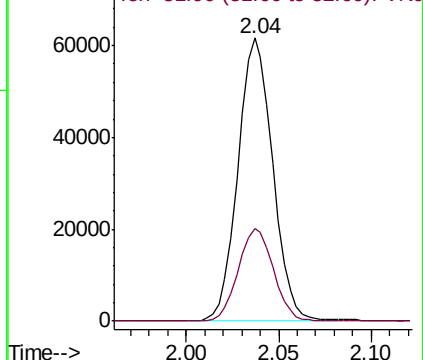
Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



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



#4

Vinyl Chloride

Concen: 45.304 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060034.D

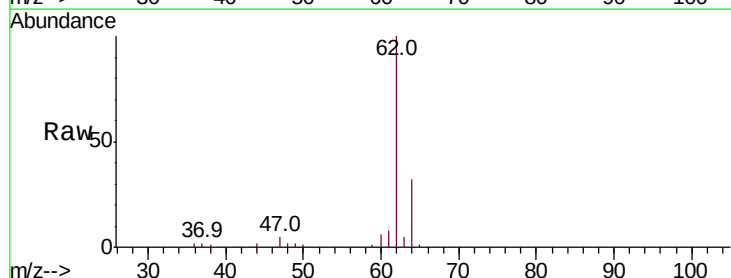
Acq: 10 Feb 2020 9:57

Tgt Ion: 62 Resp: 105685

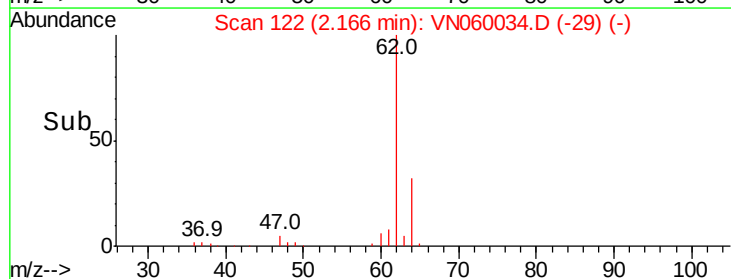
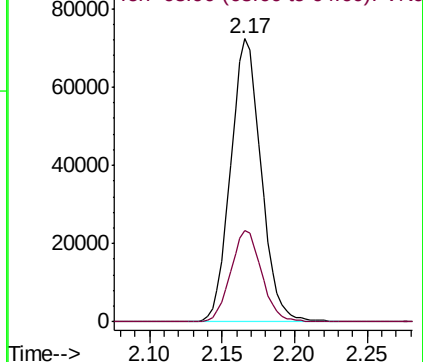
Ion Ratio Lower Upper

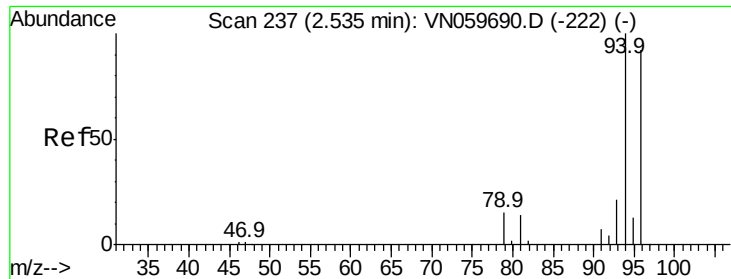
62 100

64 32.2 24.6 37.0



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

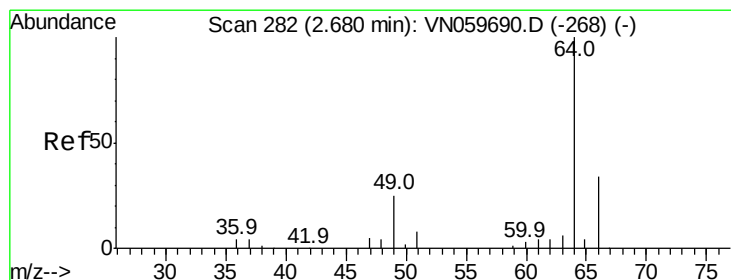
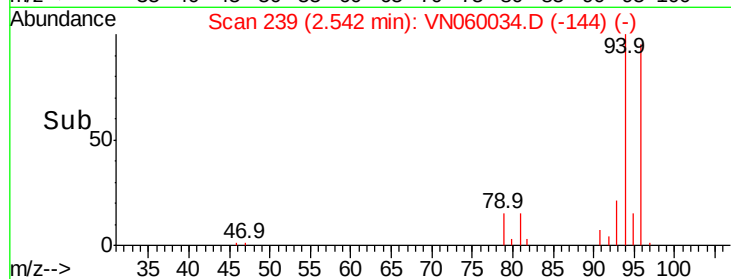
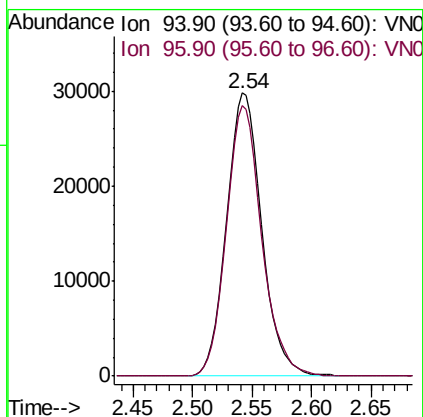
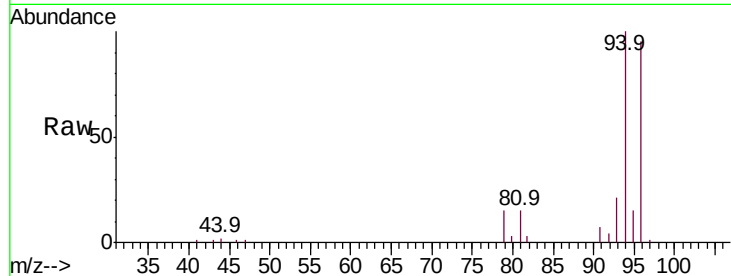




#5
Bromomethane
Concen: 42.915 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

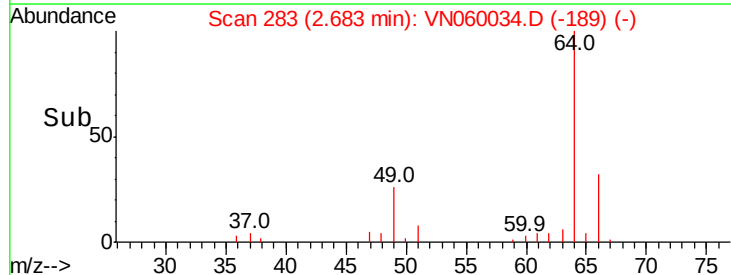
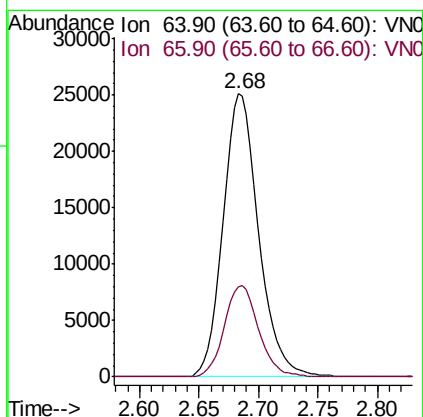
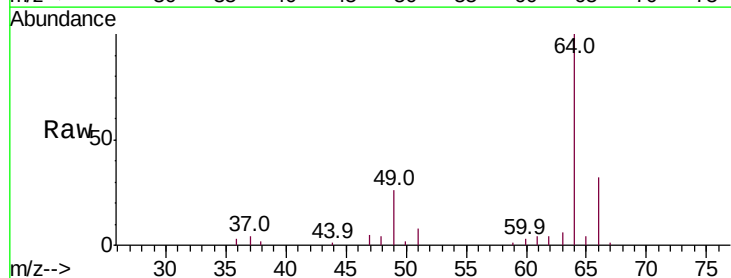
Instrument :
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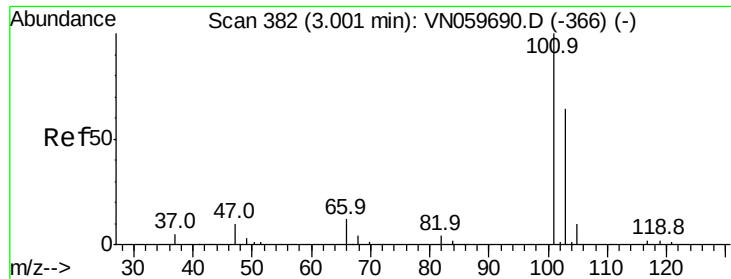
Tot Ion: 94 Resp: 61096
Ion Ratio Lower Upper
94 100
96 95.5 74.7 112.1



#6
Chloroethane
Concen: 47.009 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 64 Resp: 51882
Ion Ratio Lower Upper
64 100
66 31.8 25.1 37.7



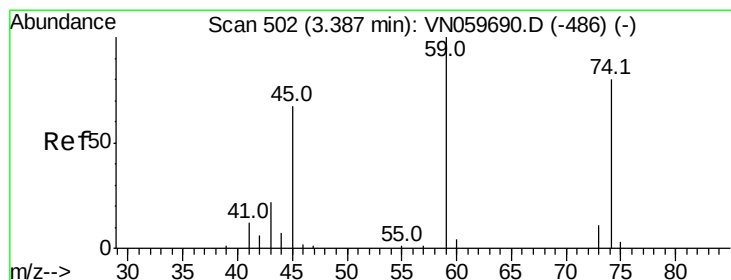
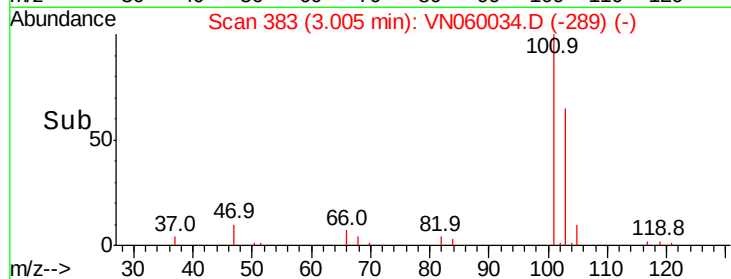
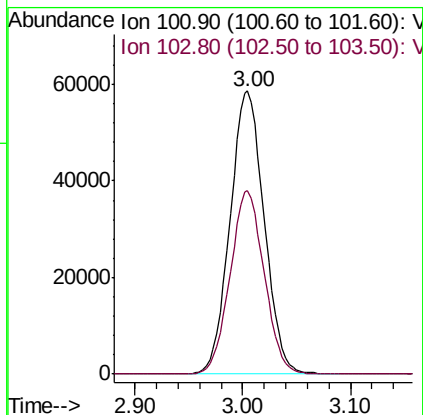
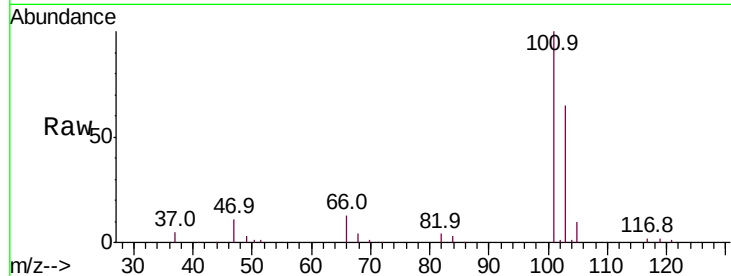


#7

Trichlorofluoromethane
 Concen: 46.113 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :

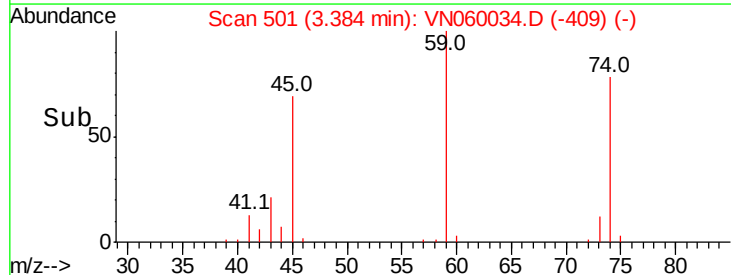
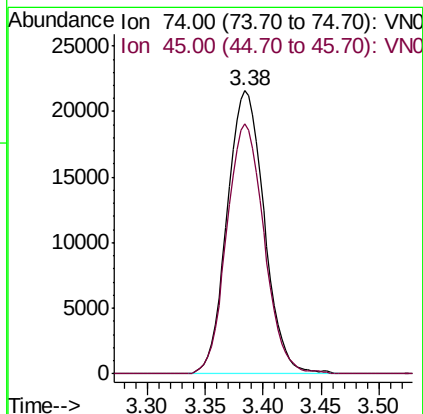
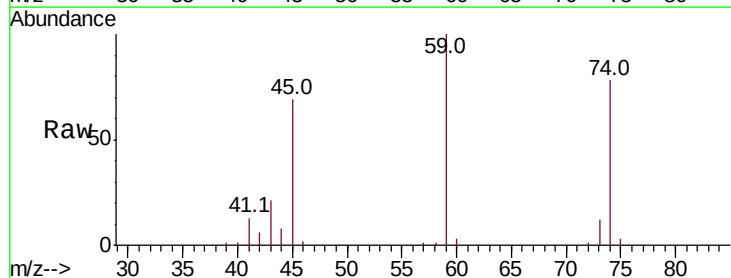
Tot Ion:101 Resp: 129190
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.0 76.6

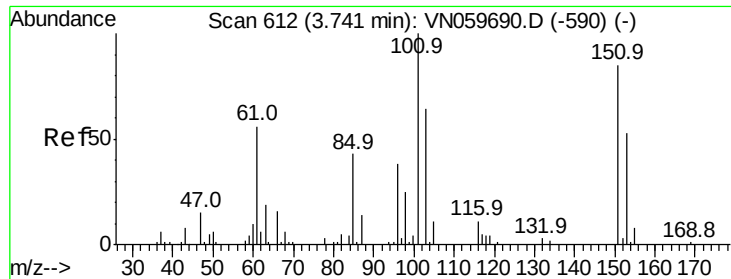


#8

Diethyl Ether
 Concen: 48.686 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion: 74 Resp: 47868
 Ion Ratio Lower Upper
 74 100
 45 89.0 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.758 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

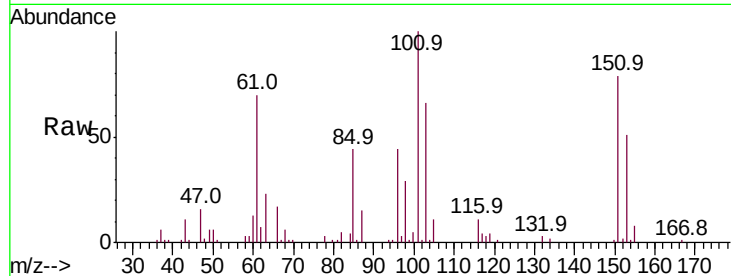
Tot Ion:101 Resp: 77585

Ion Ratio Lower Upper

101 100

85 44.3 36.6 54.8

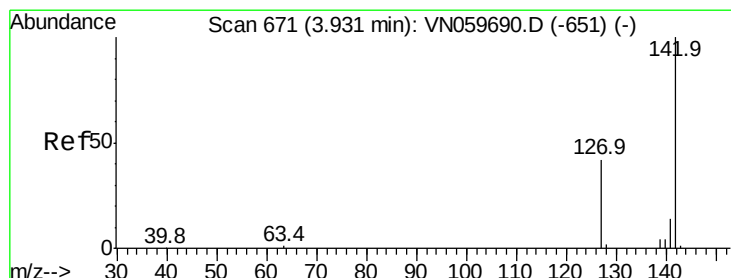
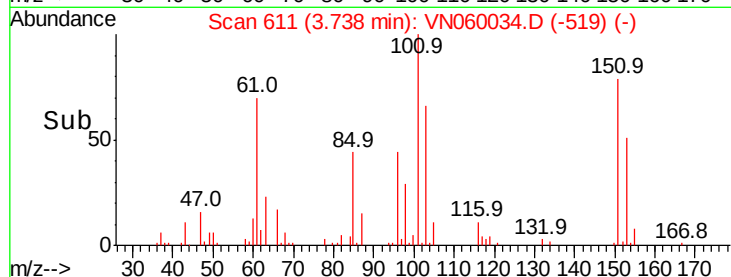
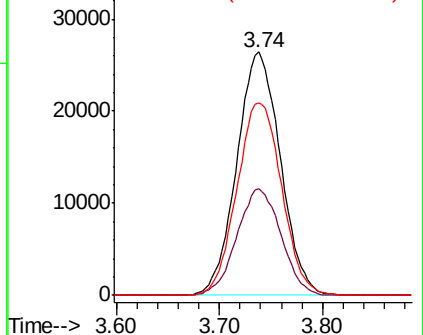
151 81.4 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.064 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

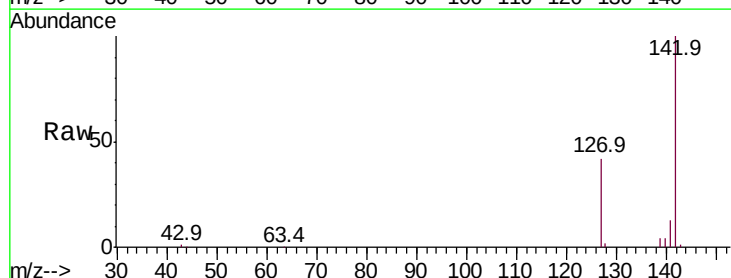
Tgt Ion:142 Resp: 98456

Ion Ratio Lower Upper

142 100

127 42.6 36.7 55.1

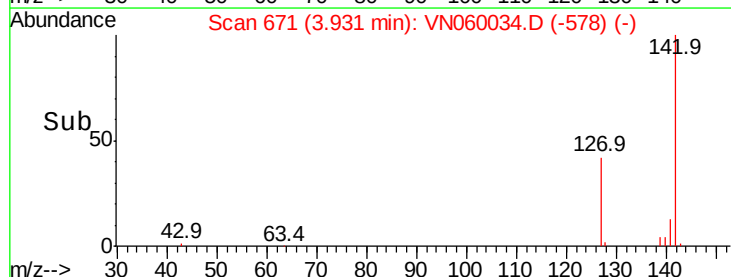
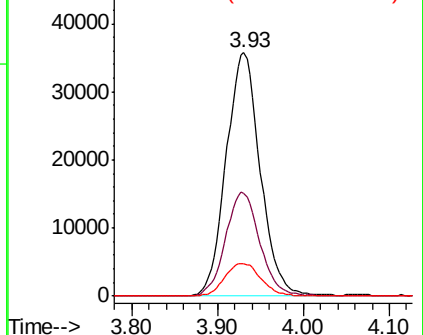
141 14.1 11.7 17.5

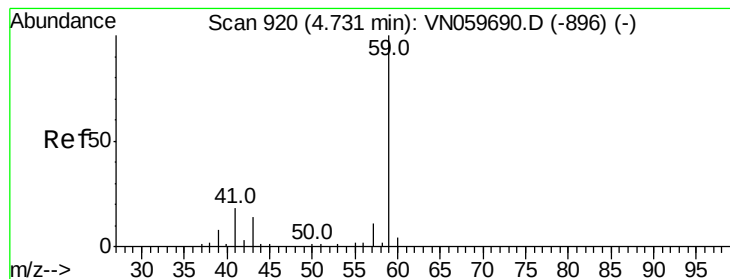


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



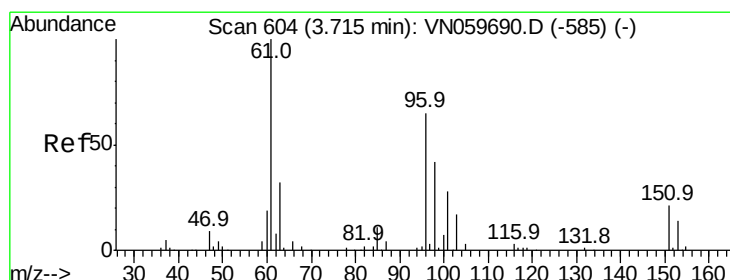
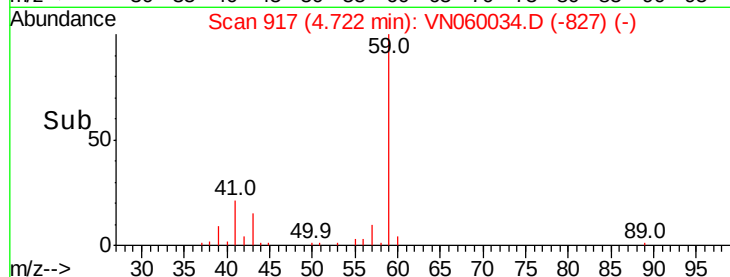
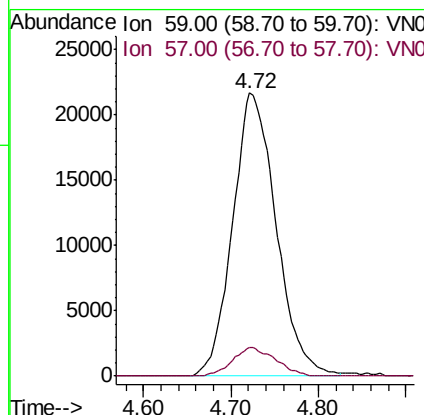
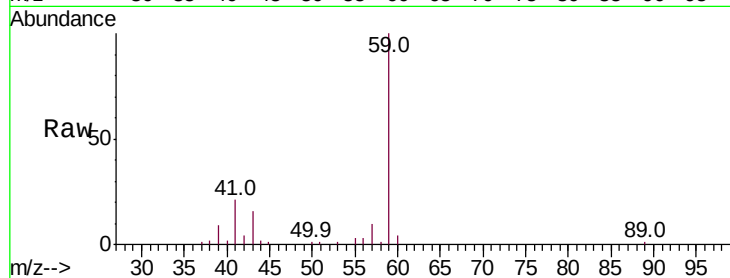


#11

Tert butyl alcohol
Concen: 224.557 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :

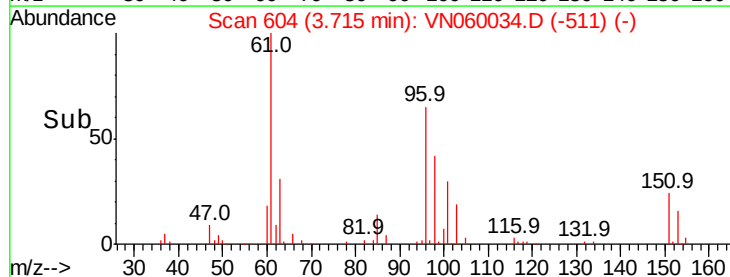
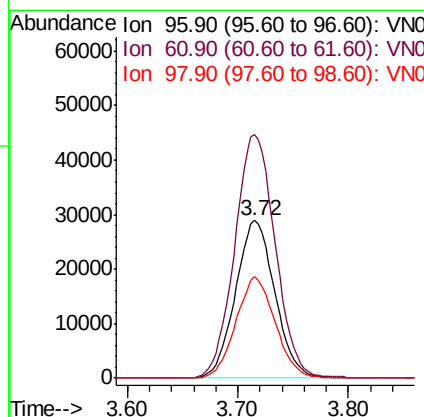
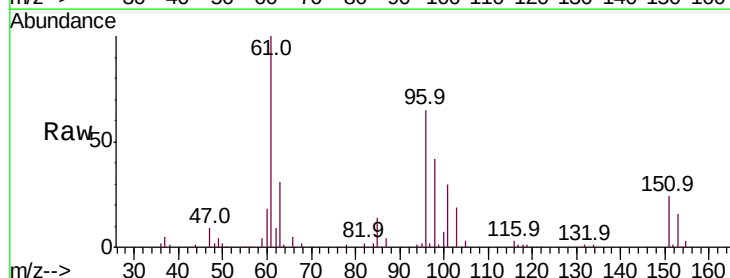
Tot Ion: 59 Resp: 74763
Ion Ratio Lower Upper
59 100
57 10.0 8.6 12.8

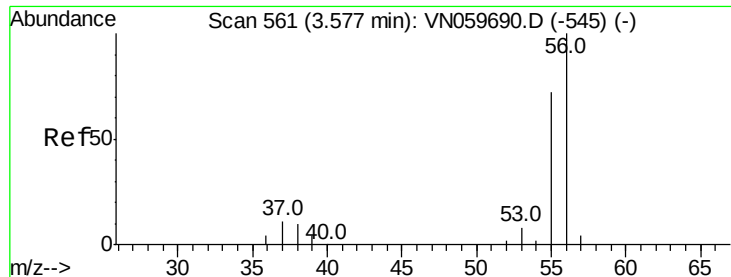


#12

1,1-Dichloroethene
Concen: 43.804 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 96 Resp: 71370
Ion Ratio Lower Upper
96 100
61 154.4 137.5 206.3
98 64.2 50.2 75.4

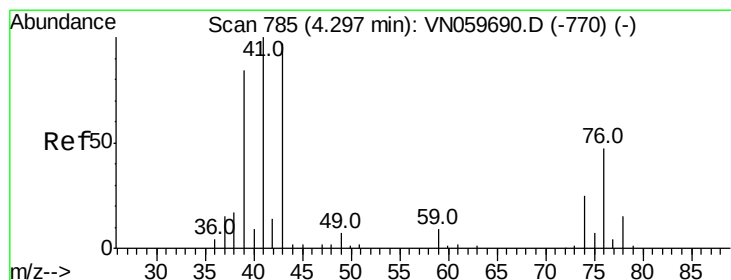
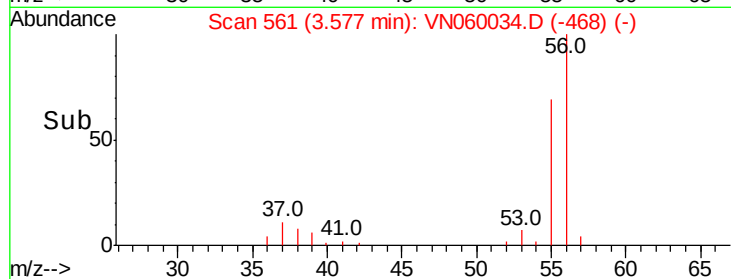
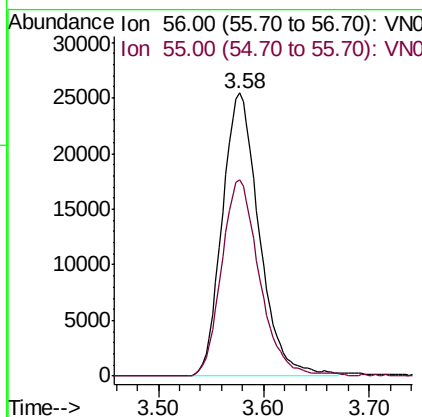
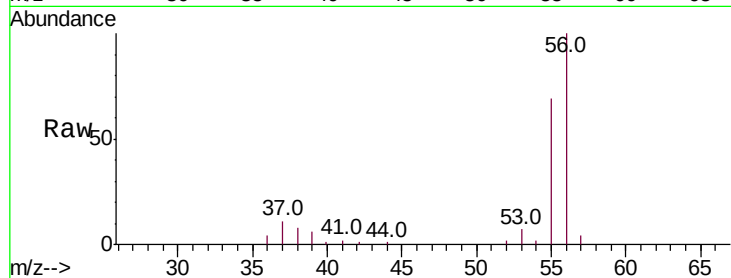




#13
Acrolein
Concen: 262.613 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

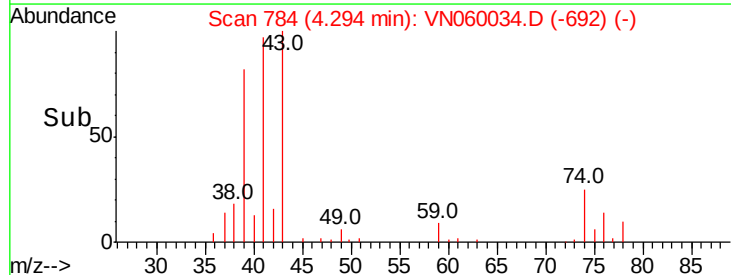
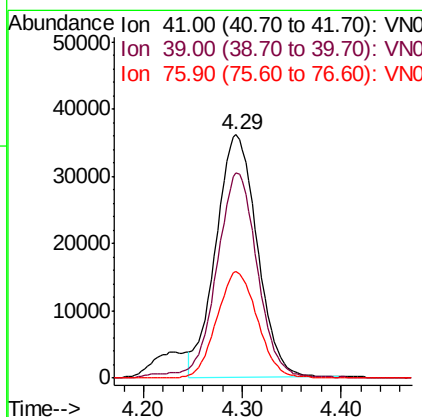
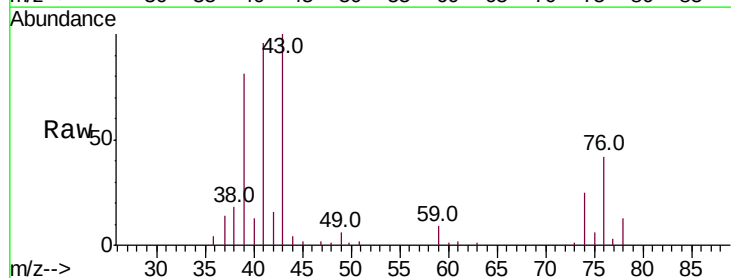
Instrument :
MSVOA_N
ClientSampled :

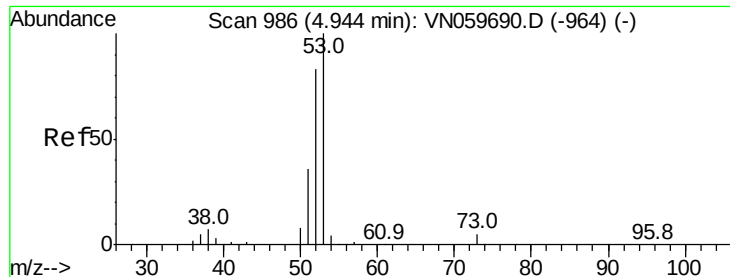
Tot Ion: 56 Resp: 61892
Ion Ratio Lower Upper
56 100
55 70.9 58.6 88.0



#14
Allyl chloride
Concen: 48.206 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 41 Resp: 105865
Ion Ratio Lower Upper
41 100
39 84.1 57.8 86.8
76 42.8 25.4 38.0#





#15

Acrylonitrile

Concen: 252.807 ug/l

RT: 4.94 min Scan# 986

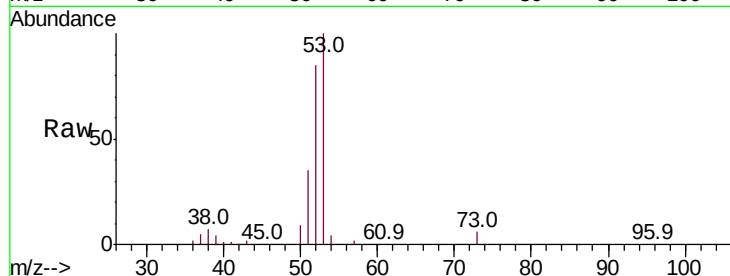
Delta R.T. 0.00 min

Lab File: VN060034.D

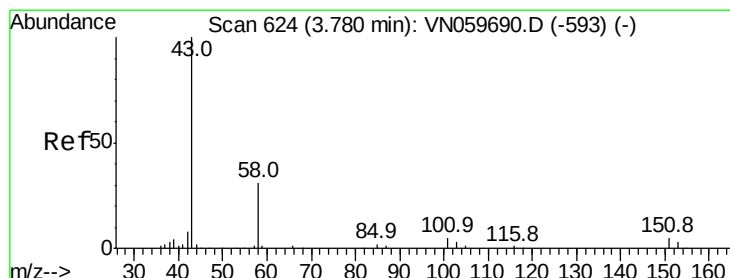
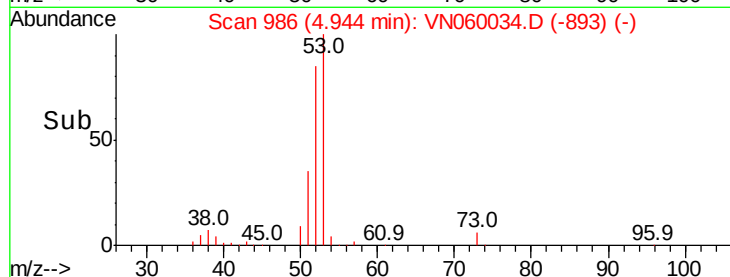
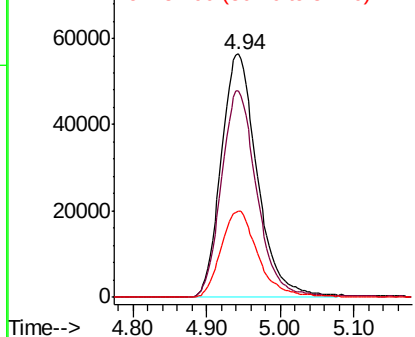
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	53	Resp:	191995
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.3	99.5
51	36.6	29.7	44.5



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: 401.255 ug/l

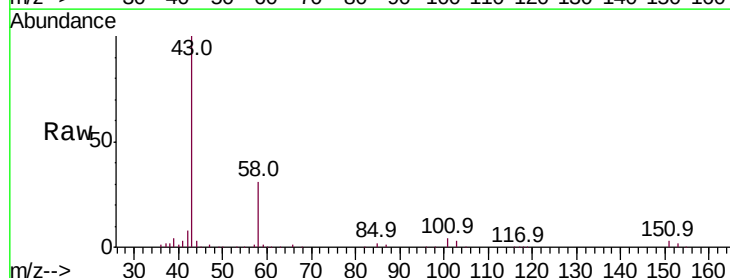
RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

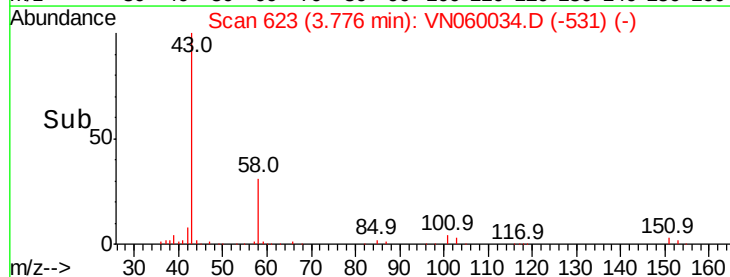
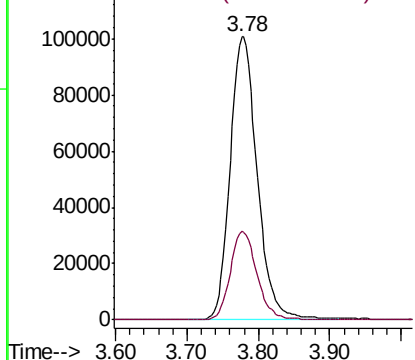
Lab File: VN060034.D

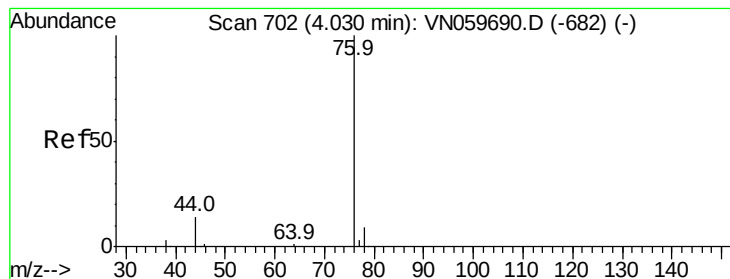
Acq: 10 Feb 2020 9:57

Tgt Ion:	43	Resp:	266576
Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.6	35.4



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





#17

Carbon Disulfide

Concen: 35.417 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

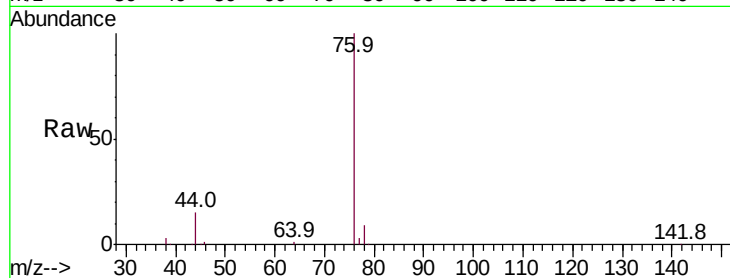
ClientSampleId :

Tot Ion: 76 Resp: 164383

Ion Ratio Lower Upper

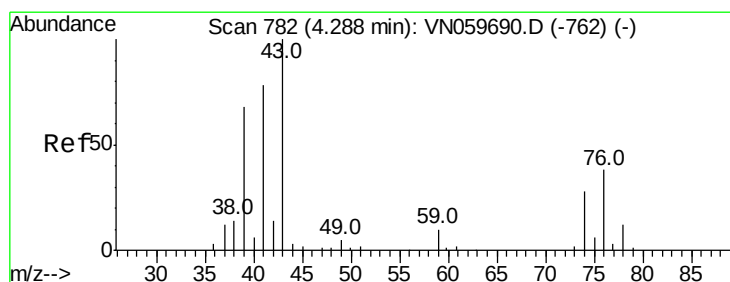
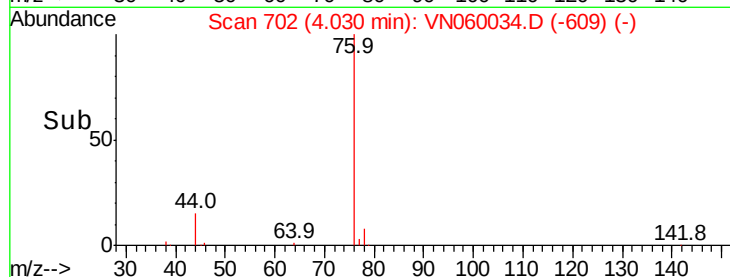
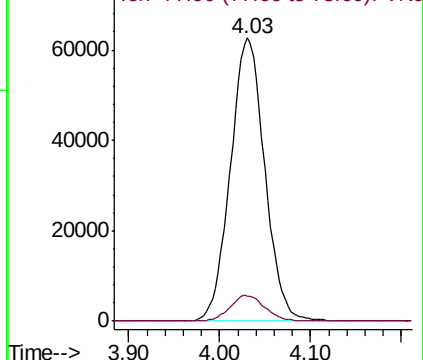
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 51.479 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060034.D

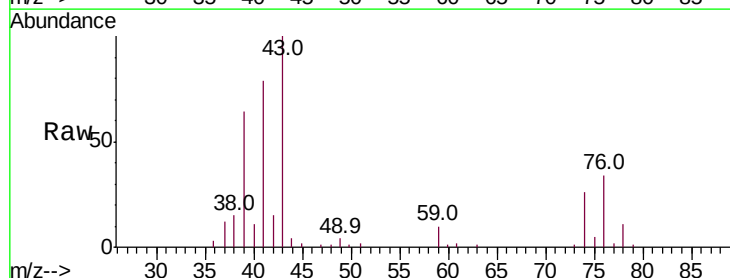
Acq: 10 Feb 2020 9:57

Tgt Ion: 43 Resp: 118921

Ion Ratio Lower Upper

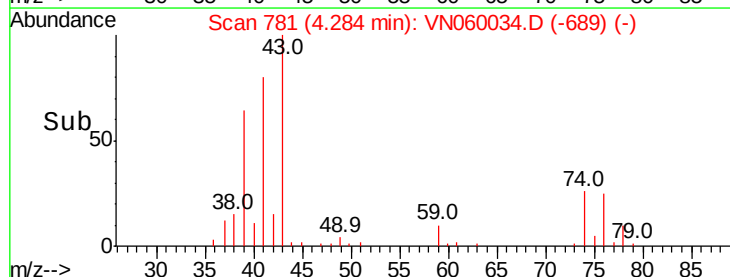
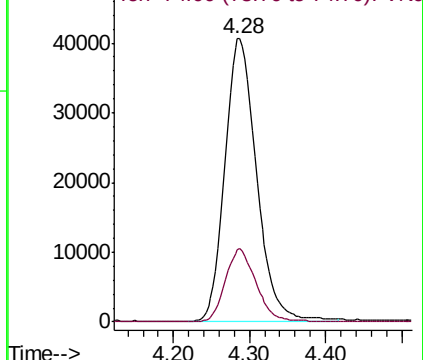
43 100

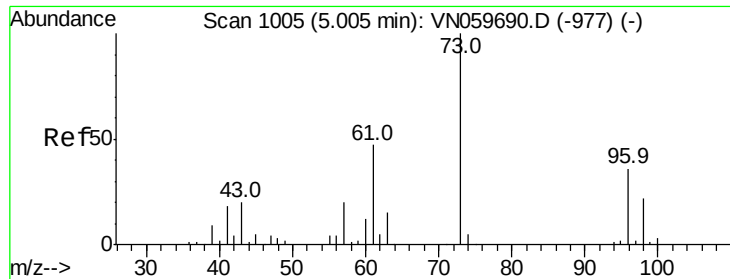
74 24.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

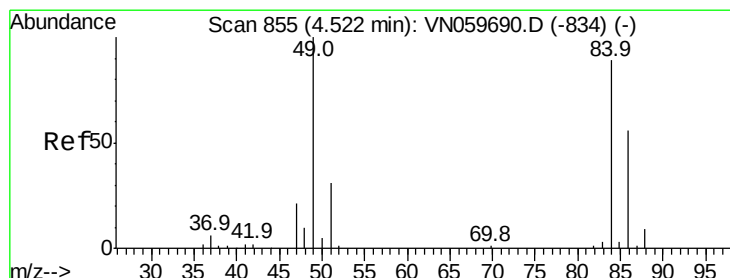
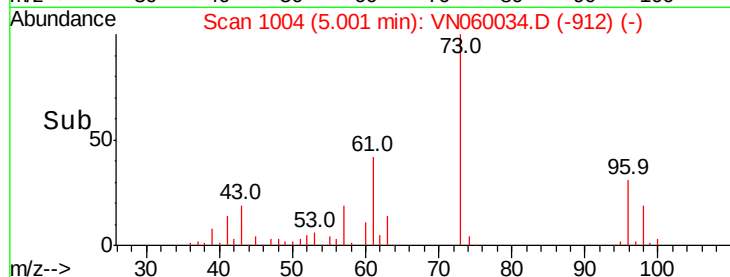
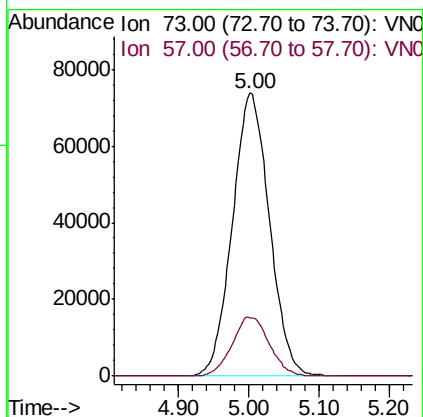
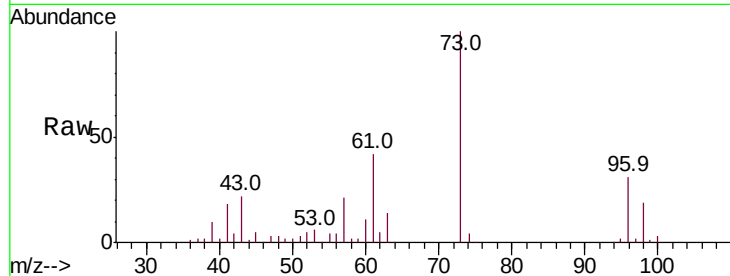




#19
Methyl tert-butyl Ether
Concen: 50.906 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

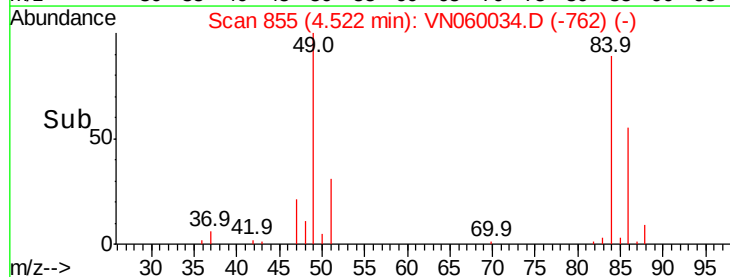
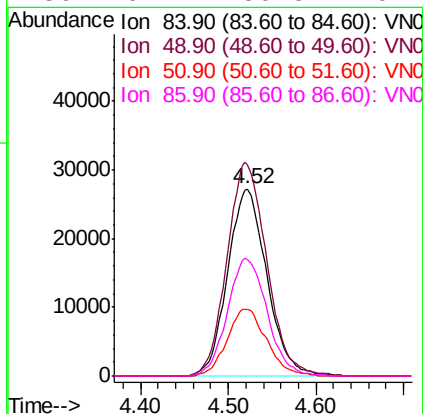
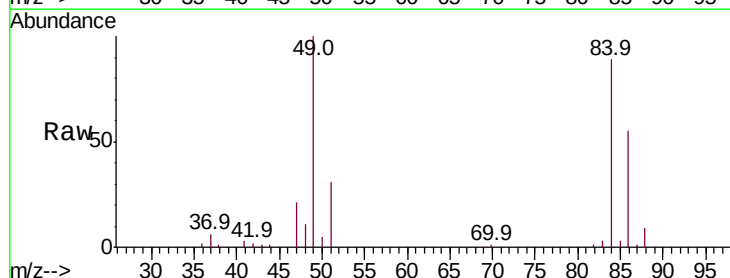
Instrument :
MSVOA_N
ClientSampled :

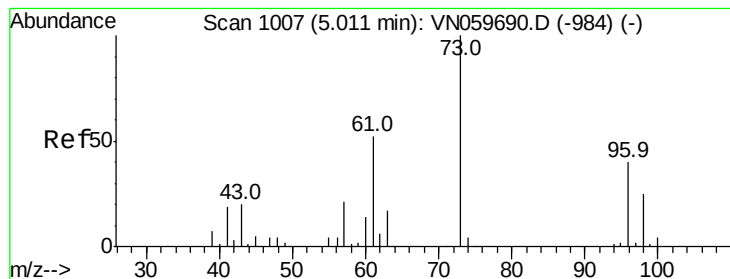
Tot Ion: 73 Resp: 270428
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8



#20
Methylene Chloride
Concen: 47.381 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 84 Resp: 84900
Ion Ratio Lower Upper
84 100
49 112.9 106.6 160.0
51 35.5 31.9 47.9
86 62.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 45.332 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :

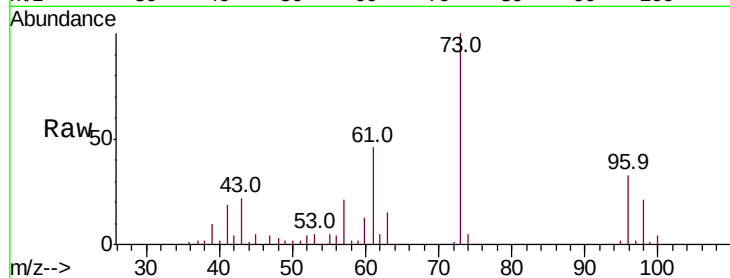
Tot Ion: 96 Resp: 78511

Ion Ratio Lower Upper

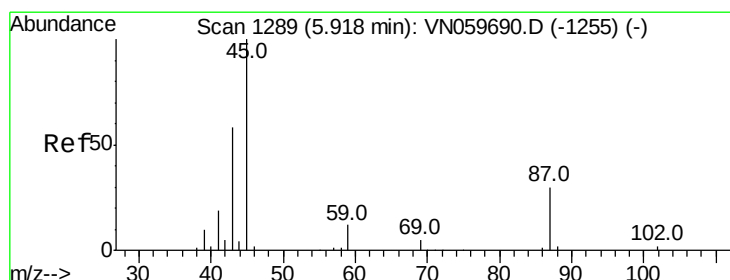
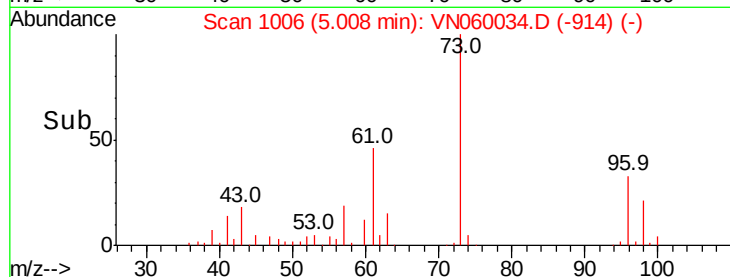
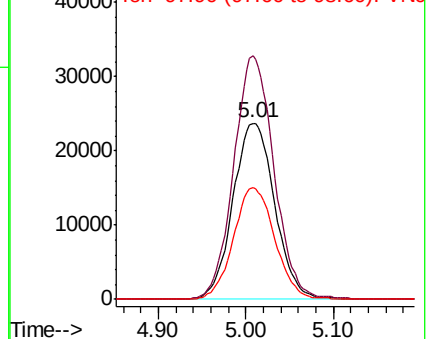
96 100

61 138.1 120.4 180.6

98 63.2 50.6 75.8



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



#22

Diisopropyl ether

Concen: 51.860 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion: 45 Resp: 258095

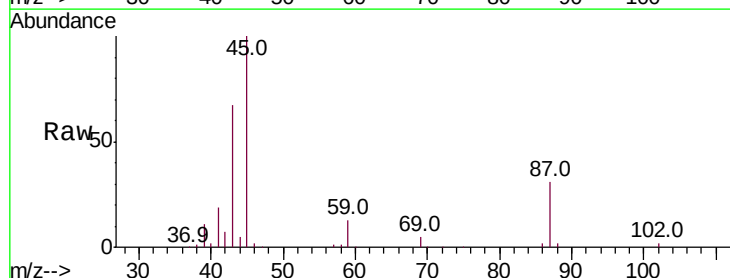
Ion Ratio Lower Upper

45 100

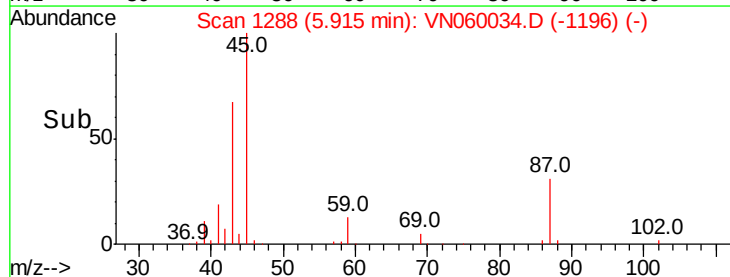
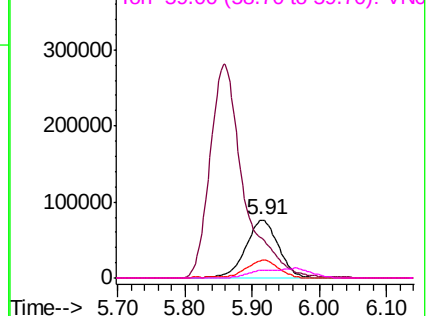
43 66.1 50.8 76.2

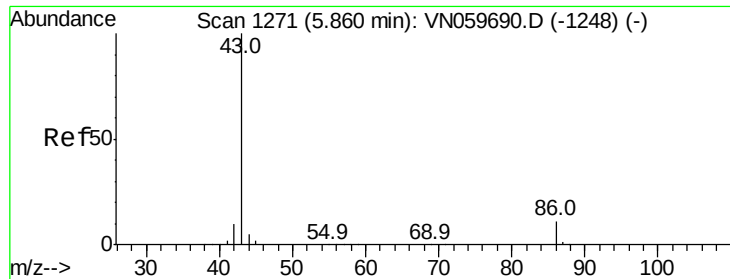
87 30.7 21.0 31.6

59 13.1 9.1 13.7



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

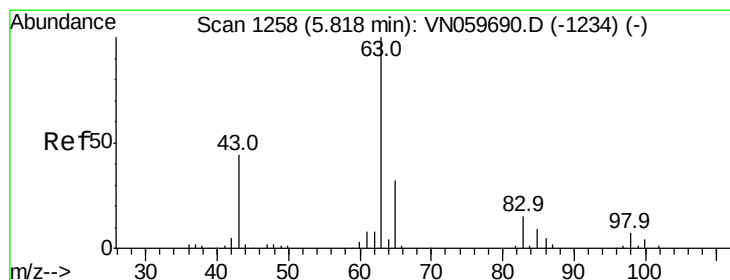
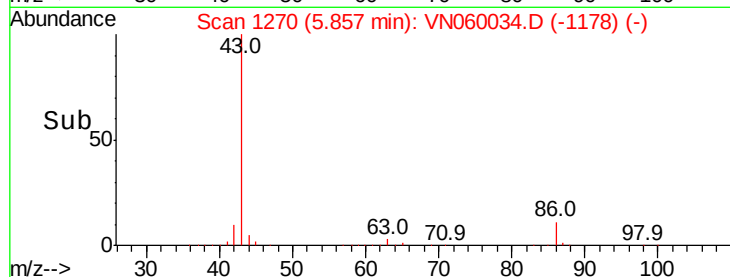
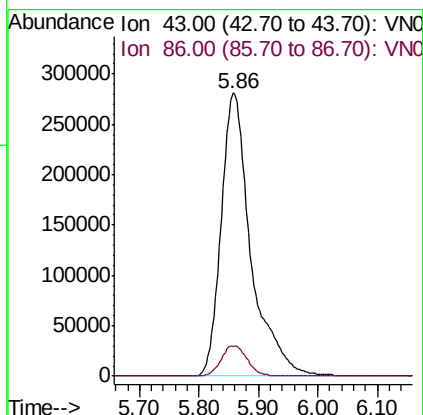
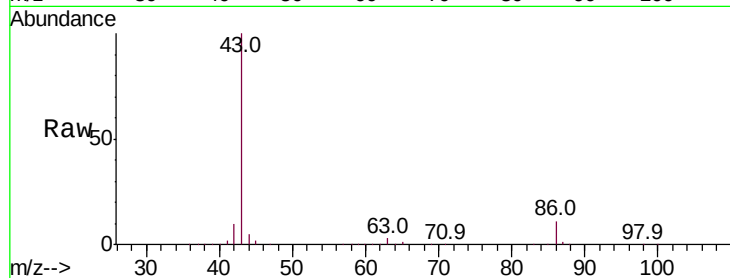




#23
 Vinyl Acetate
 Concen: 253.802 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

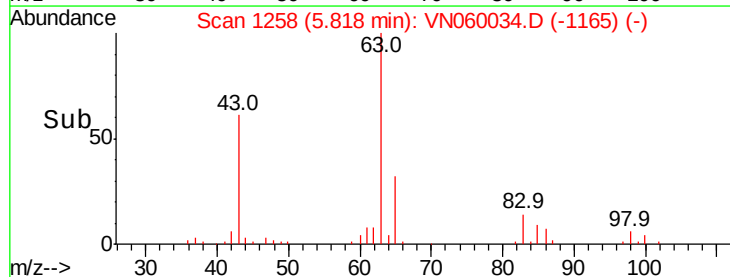
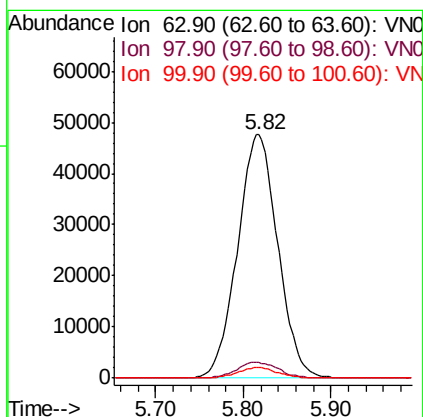
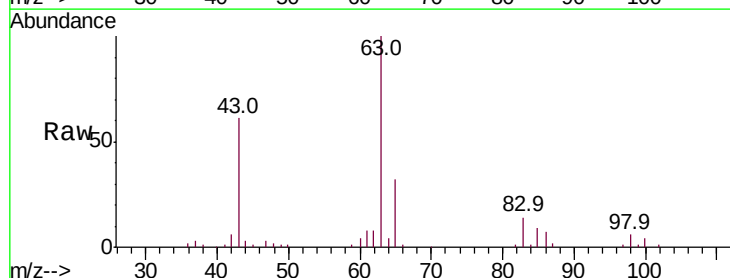
Instrument :
 MSVOA_N
 ClientSampleId :

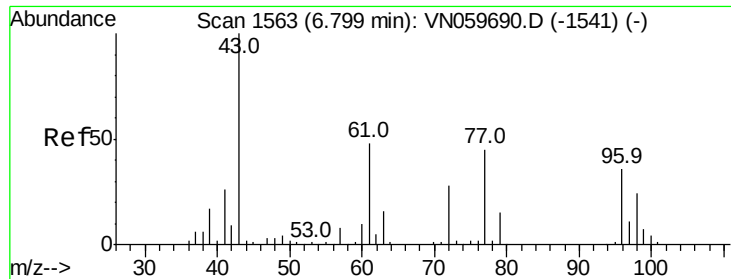
Tot Ion: 43 Resp: 977965
 Ion Ratio Lower Upper
 43 100
 86 10.8 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 49.778 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion: 63 Resp: 151373
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.7
 100 4.3 2.0 6.0

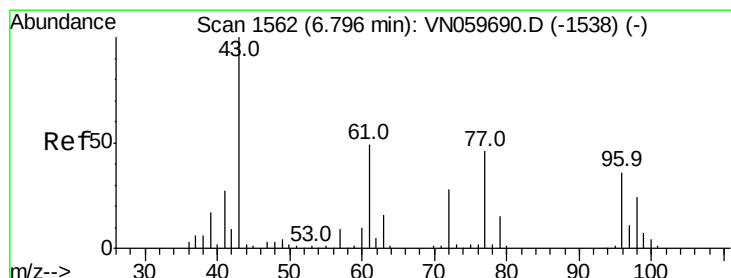
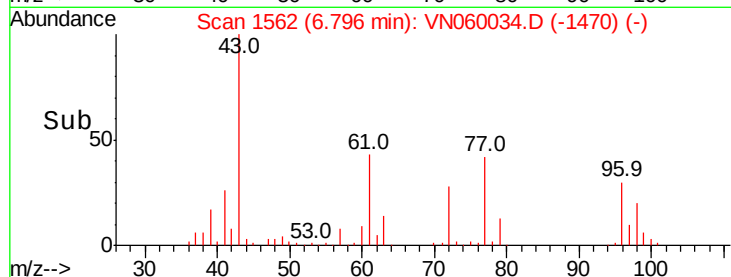
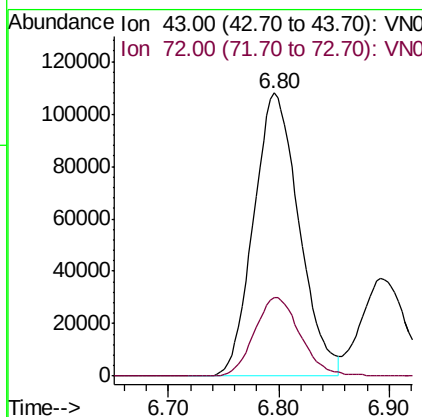
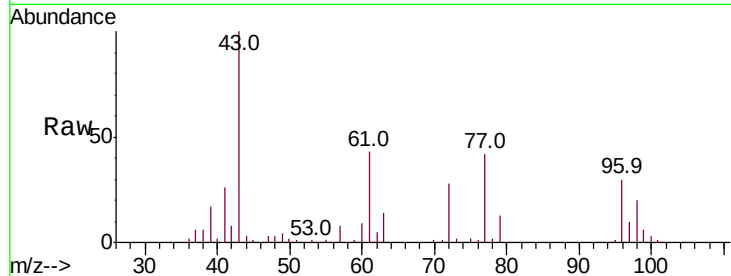




#25
 2-Butanone
 Concen: 276.141 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

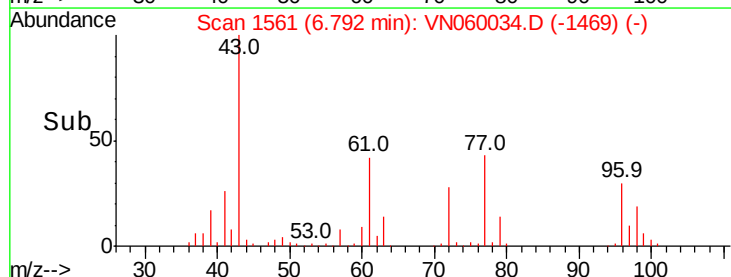
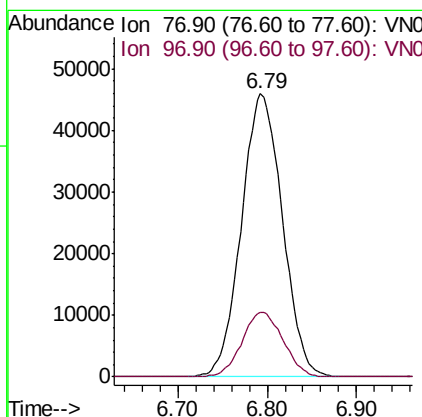
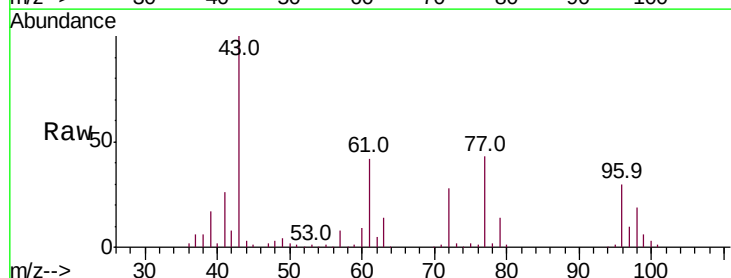
Instrument :
 MSVOA_N
 ClientSampleId :

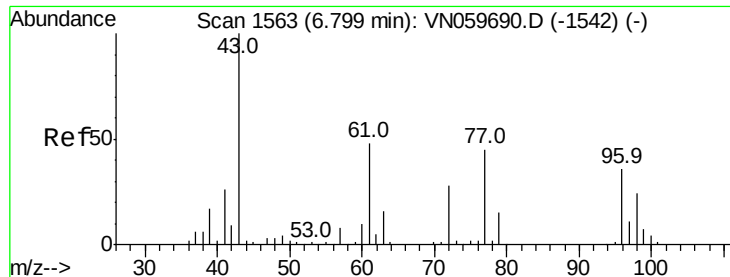
Tot Ion: 43 Resp: 309267
 Ion Ratio Lower Upper
 43 100
 72 27.9 19.9 29.9



#26
 2,2-Dichloropropane
 Concen: 50.264 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion: 77 Resp: 146948
 Ion Ratio Lower Upper
 77 100
 97 22.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 48.575 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :

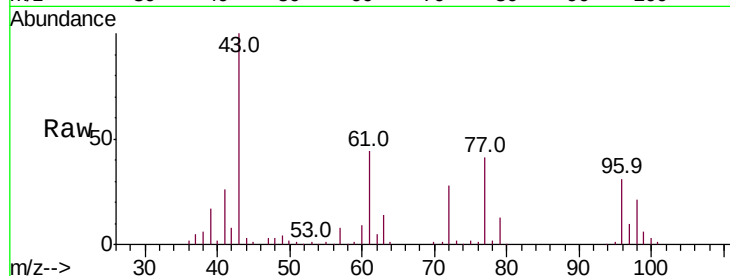
Tot Ion: 96 Resp: 96762

Ion Ratio Lower Upper

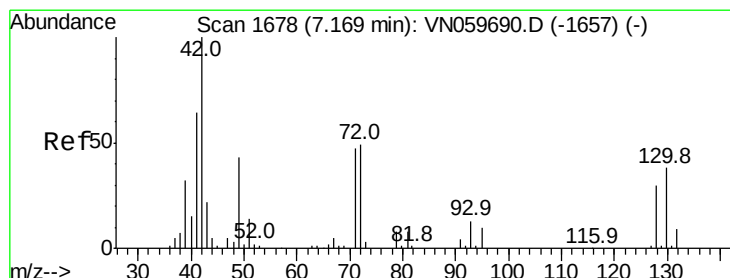
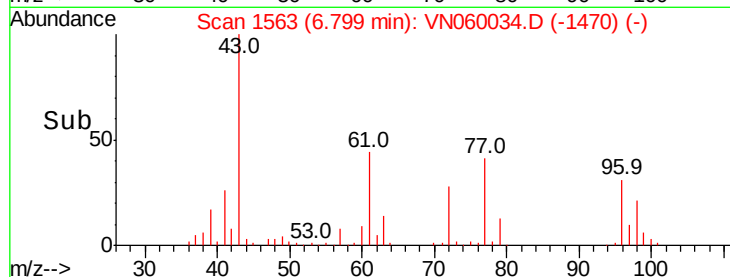
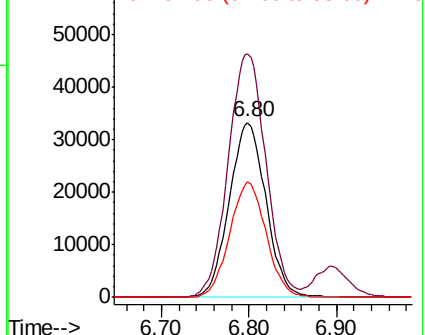
96 100

61 143.6 0.0 317.6

98 65.6 0.0 127.0



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



#28

Bromochloromethane

Concen: 51.362 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

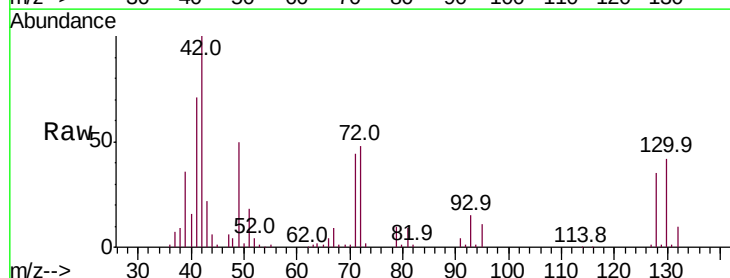
Tgt Ion: 49 Resp: 62426

Ion Ratio Lower Upper

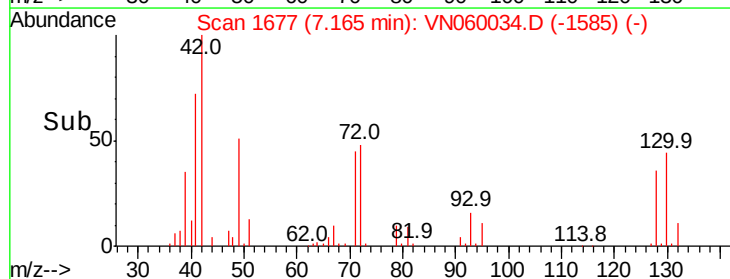
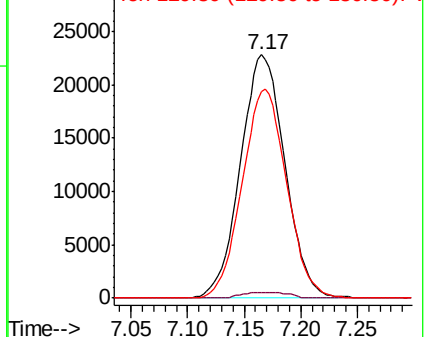
49 100

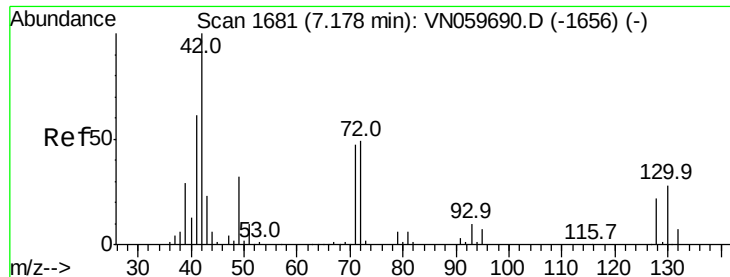
129 2.4 0.0 3.4

130 85.7 54.7 82.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

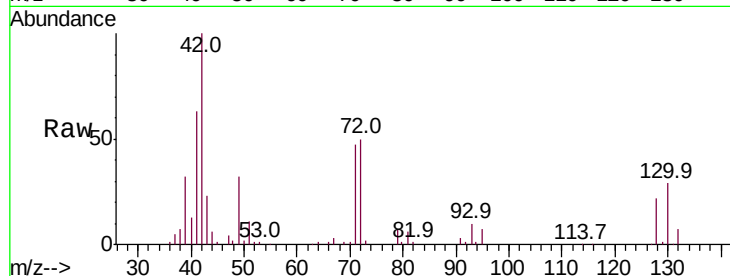




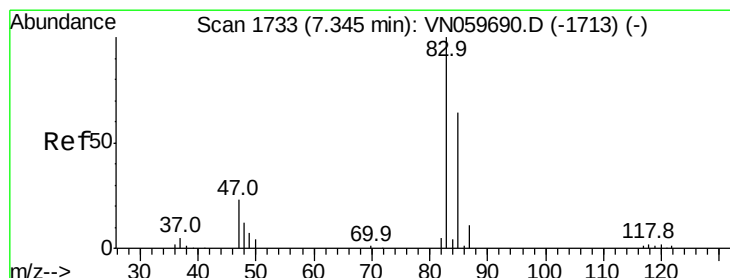
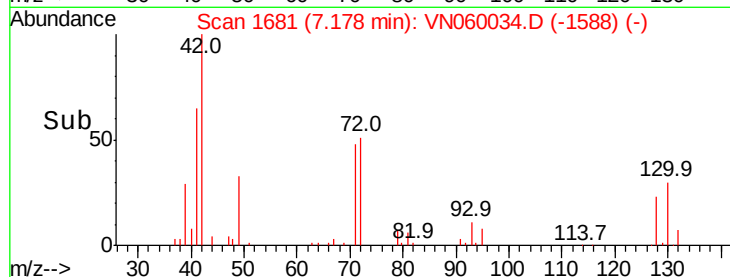
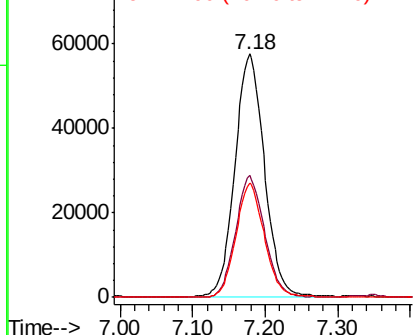
#29
Tetrahydrofuran
Concen: 237.557 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 164613
Ion Ratio Lower Upper
42 100
72 48.4 33.1 49.7
71 44.8 31.4 47.0

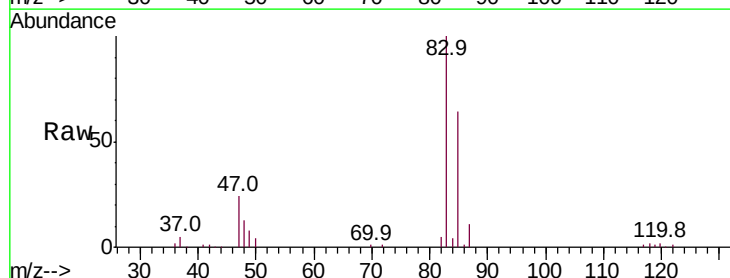


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

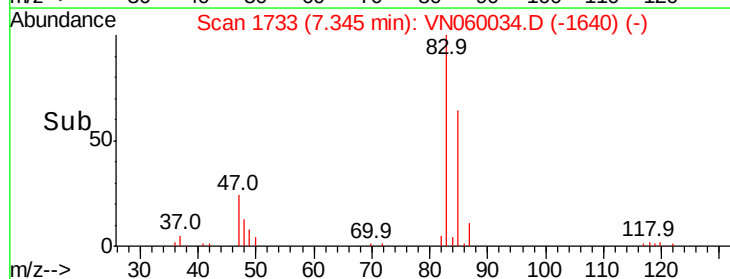
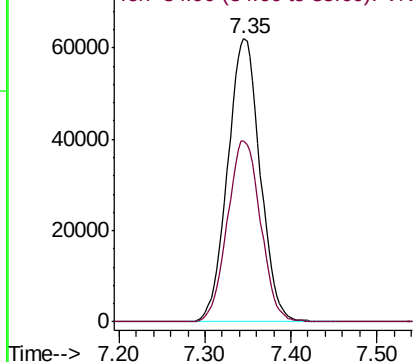


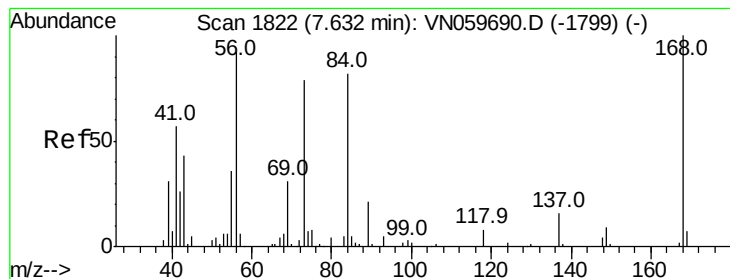
#30
Chloroform
Concen: 51.657 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 83 Resp: 162762
Ion Ratio Lower Upper
83 100
85 64.1 52.4 78.6



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





#31

Cyclohexane

Concen: 41.394 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :

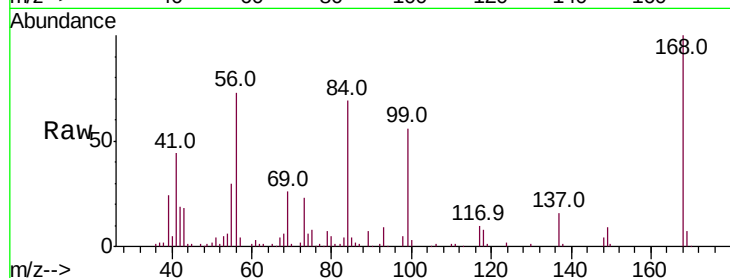
Tot Ion: 56 Resp: 121125

Ion Ratio Lower Upper

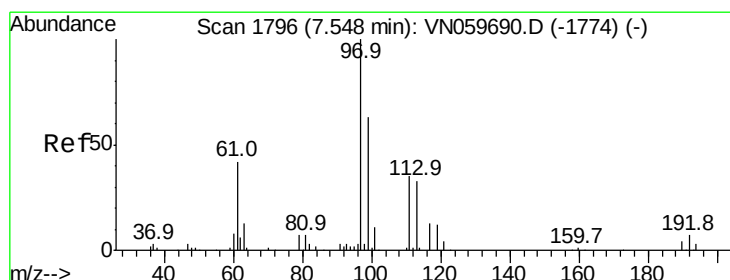
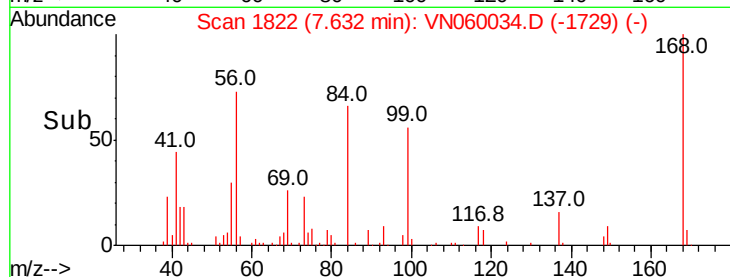
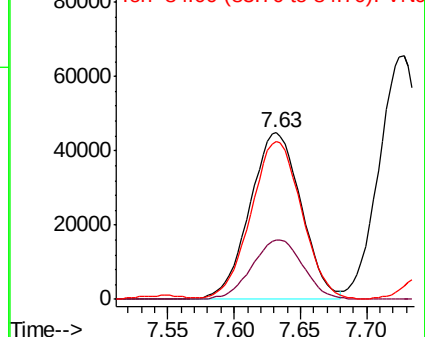
56 100

69 36.0 26.5 39.7

84 93.2 65.3 97.9



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



#32

1,1,1-Trichloroethane

Concen: 50.817 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

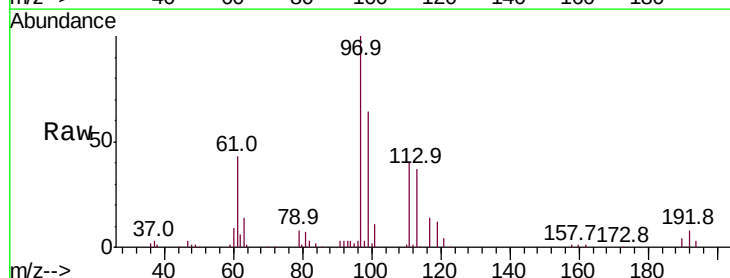
Tgt Ion: 97 Resp: 148042

Ion Ratio Lower Upper

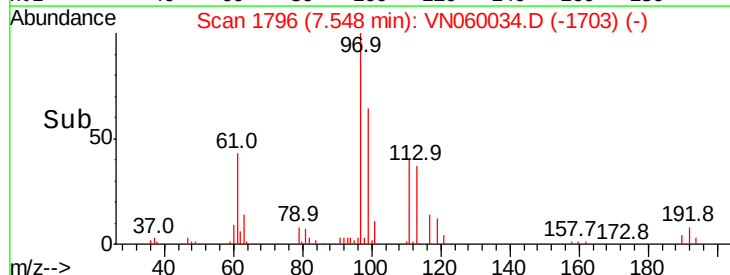
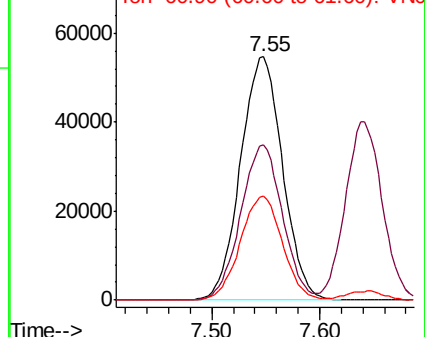
97 100

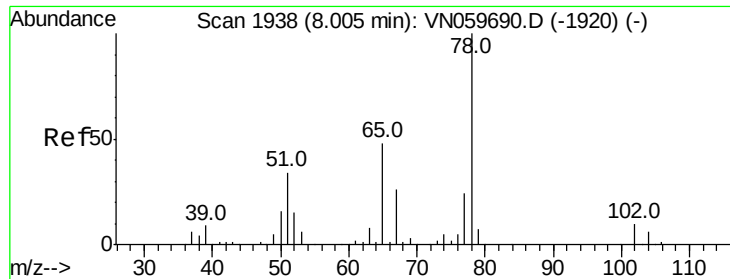
99 63.4 51.0 76.4

61 42.9 38.5 57.7



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

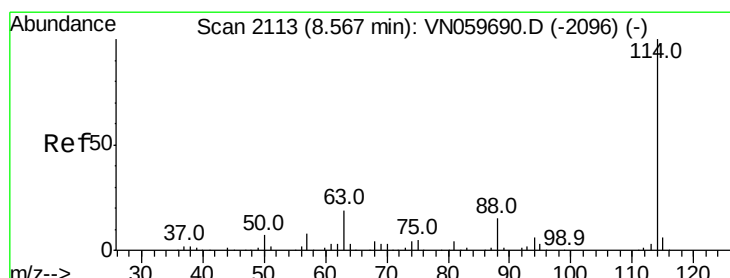
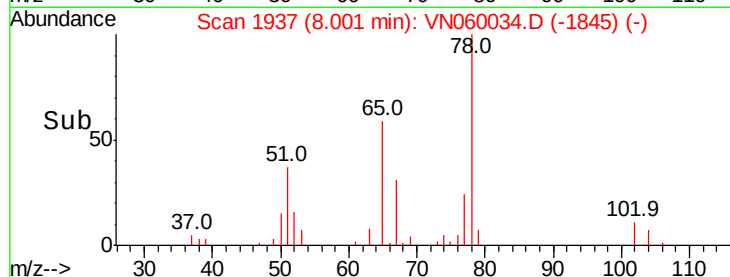
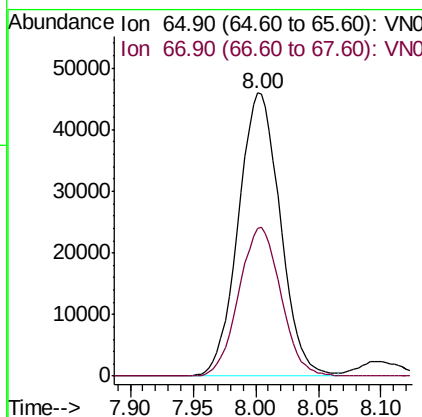
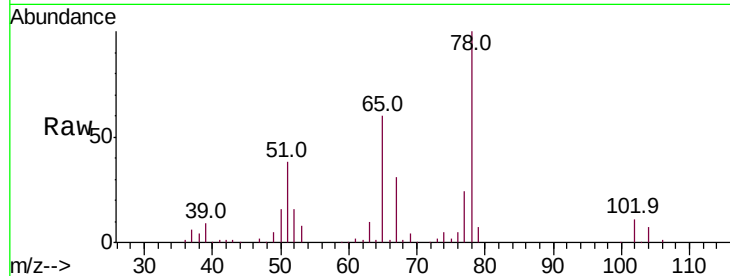




#33
 1,2-Dichloroethane-d4
 Concen: 54.035 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

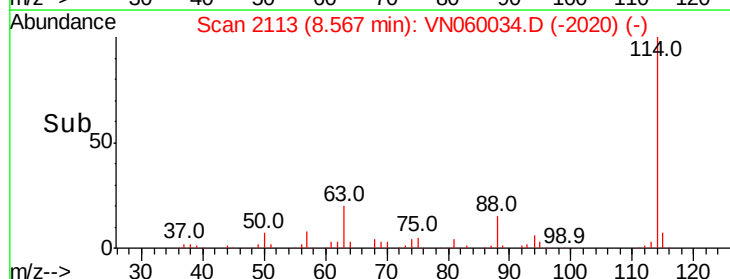
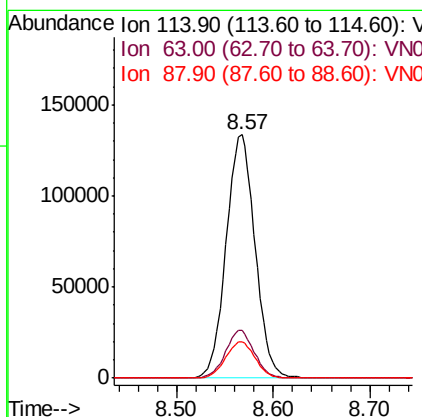
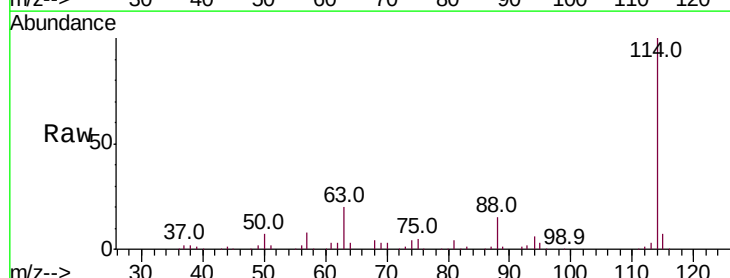
Instrument :
 MSVOA_N
 ClientSampled :

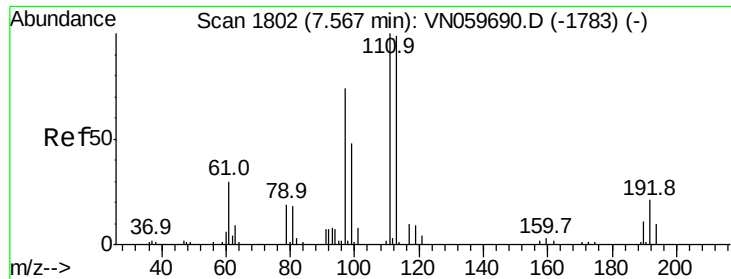
Tot Ion: 65 Resp: 106865
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion: 114 Resp: 277423
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.6
 88 15.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.462 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :

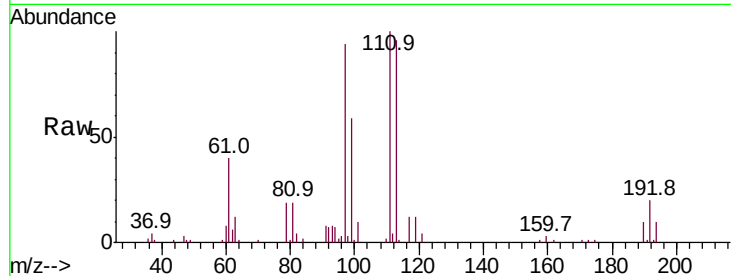
Tot Ion:113 Resp: 86793

Ion Ratio Lower Upper

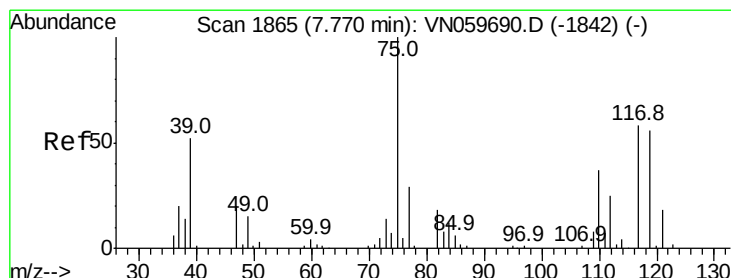
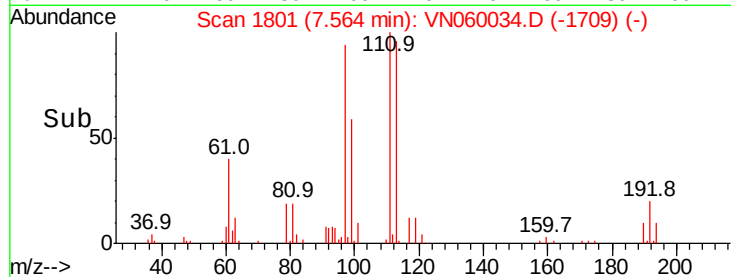
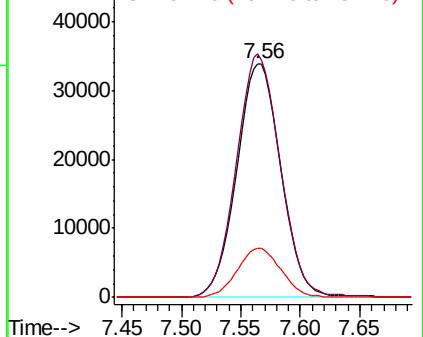
113 100

111 104.0 83.5 125.3

192 20.7 15.4 23.2



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



#36

1,1-Dichloropropene

Concen: 47.199 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

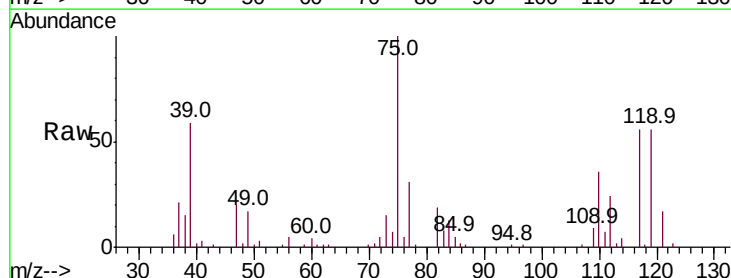
Tgt Ion: 75 Resp: 114028

Ion Ratio Lower Upper

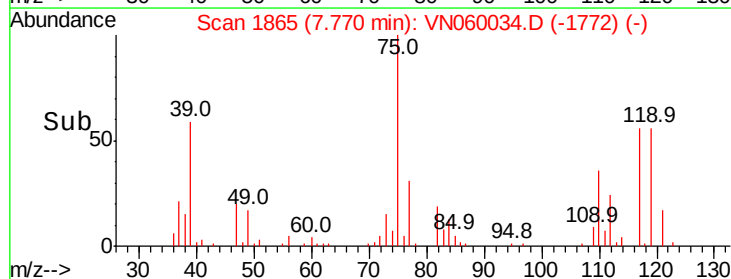
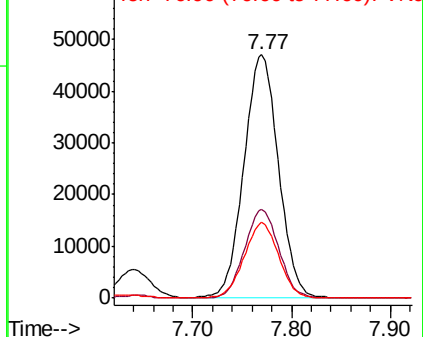
75 100

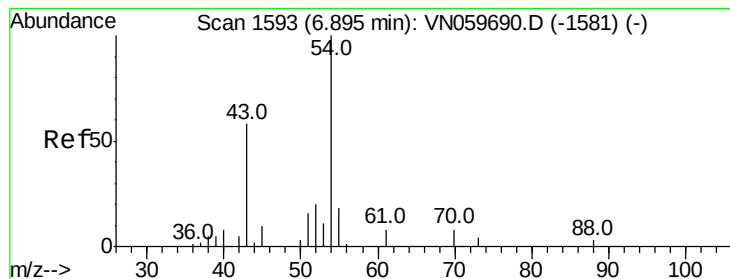
110 36.0 16.6 49.7

77 31.0 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#37

Ethyl Acetate

Concen: 46.758 ug/l

RT: 6.89 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

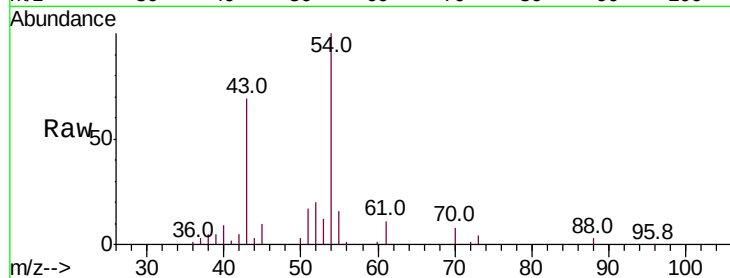
Tot Ion: 43 Resp: 105949

Ion Ratio Lower Upper

43 100

61 15.2 10.9 16.3

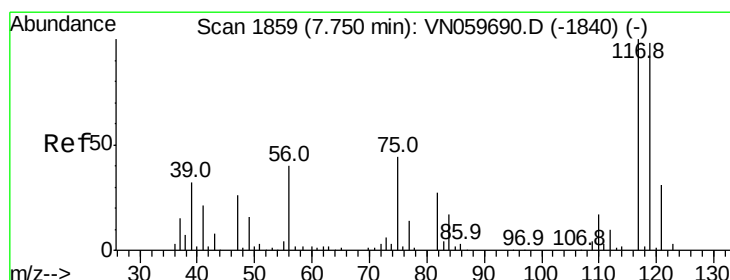
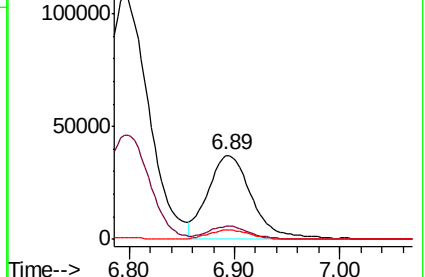
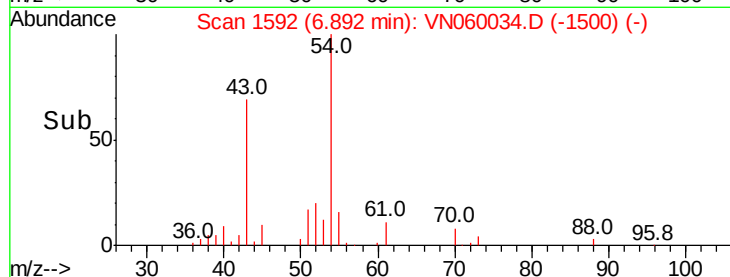
70 10.9 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN060034.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060034.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060034.D (-1500) (-)



#38

Carbon Tetrachloride

Concen: 48.608 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

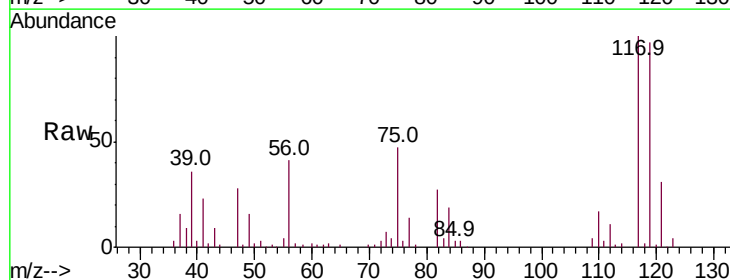
Tgt Ion: 117 Resp: 127743

Ion Ratio Lower Upper

117 100

119 97.2 76.5 114.7

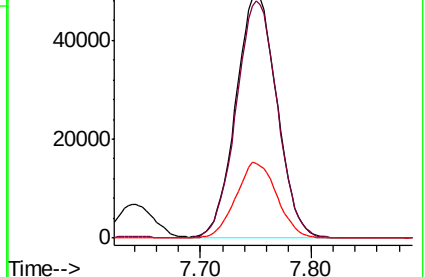
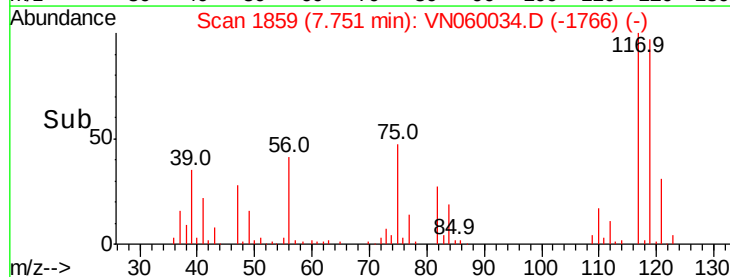
121 30.9 25.1 37.7

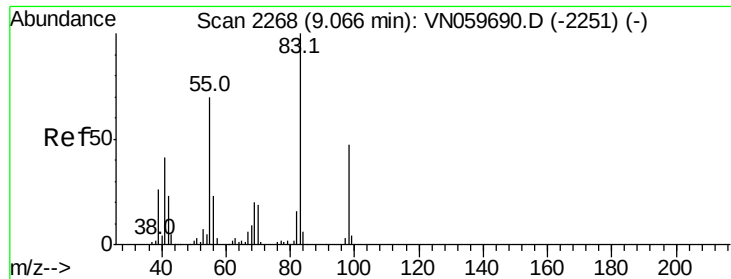


Abundance Ion 116.80 (116.50 to 117.50): VN060034.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060034.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060034.D (-1766) (-)

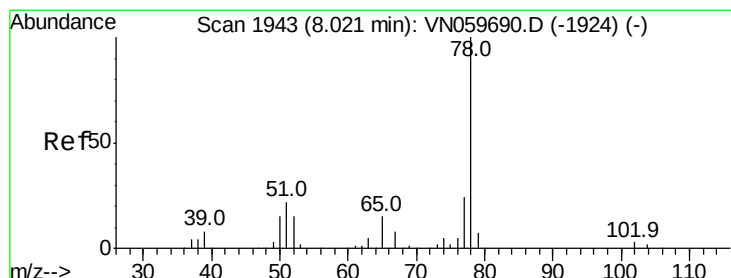
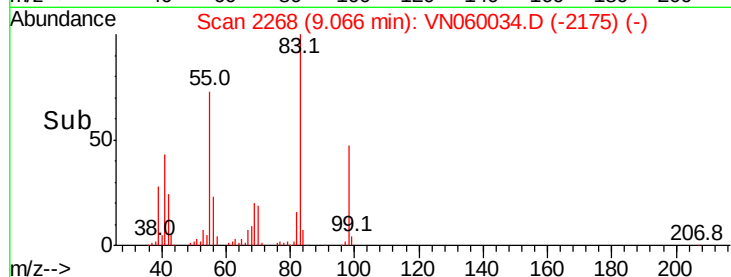
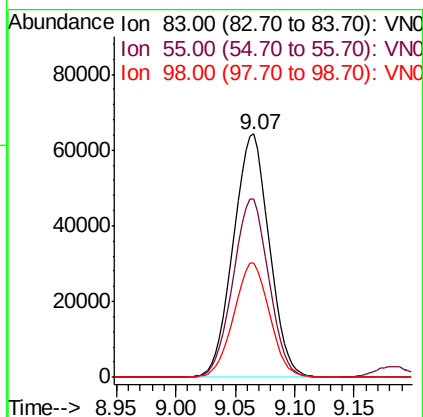
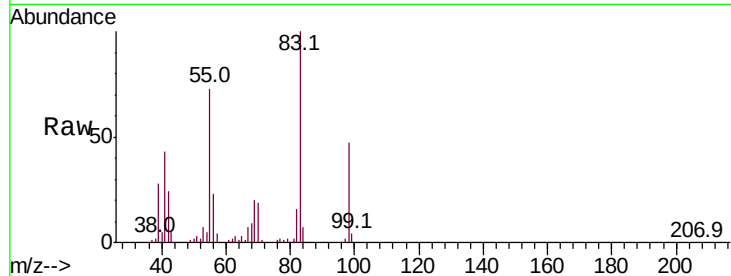




#39
Methylvlcyclohexane
Concen: 45.234 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

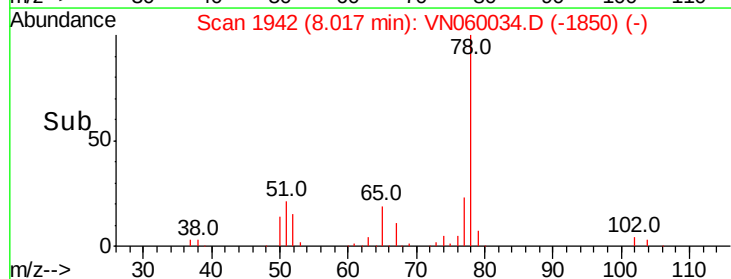
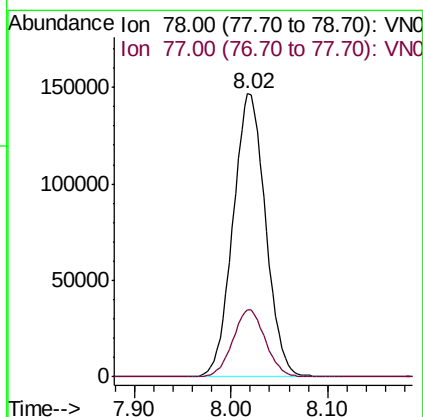
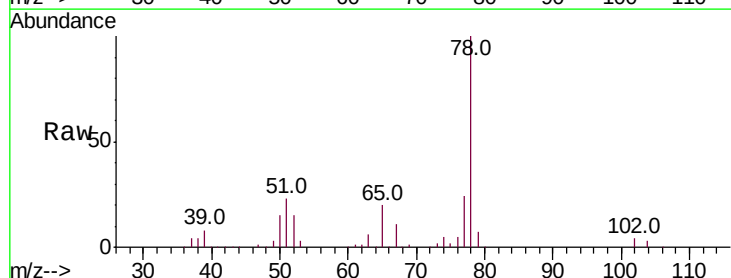
Instrument :
MSVOA_N
ClientSampled :

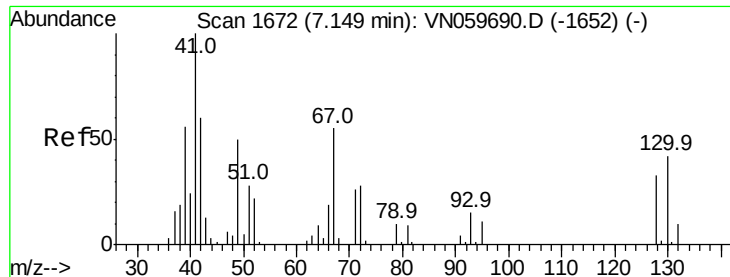
Tot Ion	83	Resp	134746
Ion Ratio	Lower	Upper	
83	100		
55	73.2	64.2	96.2
98	46.8	35.9	53.9



#40
Benzene
Concen: 47.593 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	78	Resp	342910
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.9	28.3

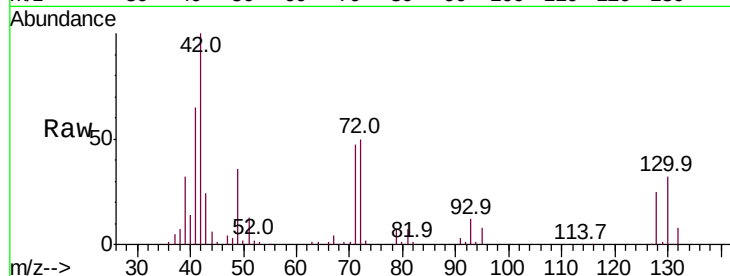




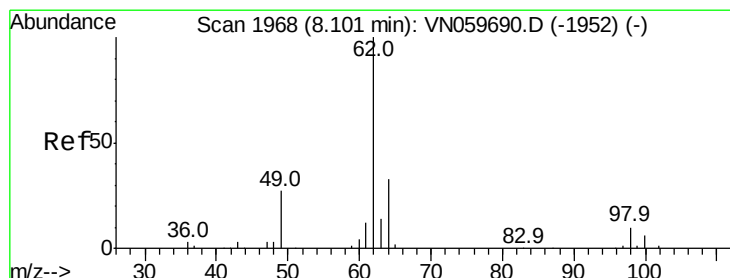
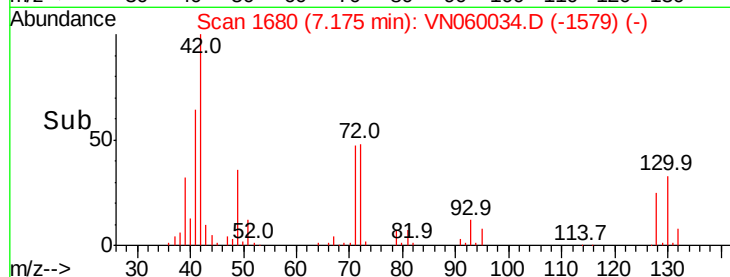
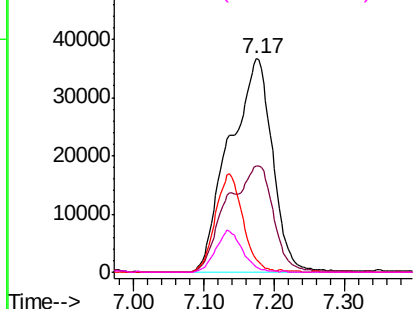
#41
Methacrylonitrile
Concen: 139.721 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	155941
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

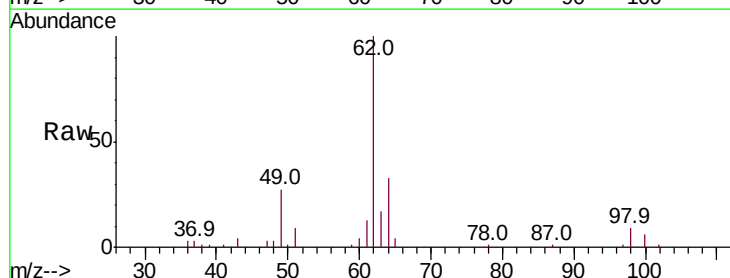


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

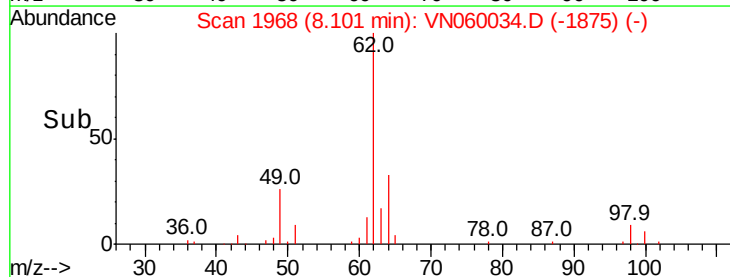
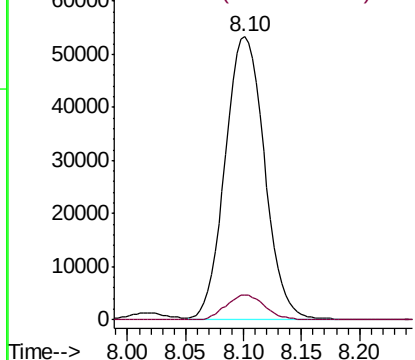


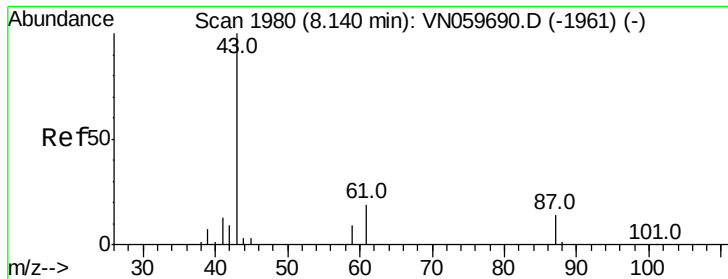
#42
1,2-Dichloroethane
Concen: 51.242 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion:	62	Resp:	125179
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 49.387 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

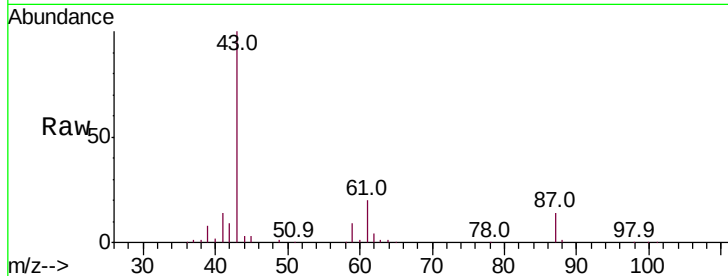
Tot Ion: 43 Resp: 192484

Ion Ratio Lower Upper

43 100

61 27.0 20.2 30.2

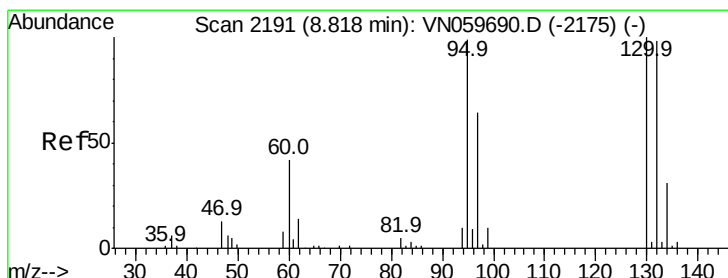
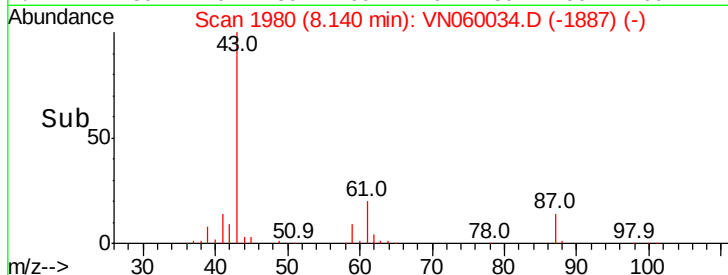
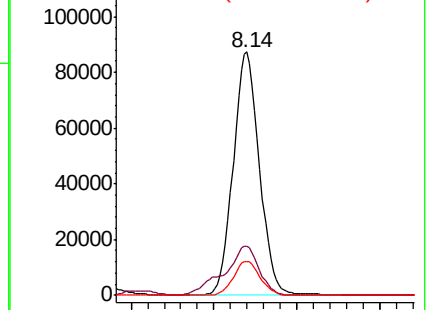
87 14.1 9.5 14.3



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: 49.510 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060034.D

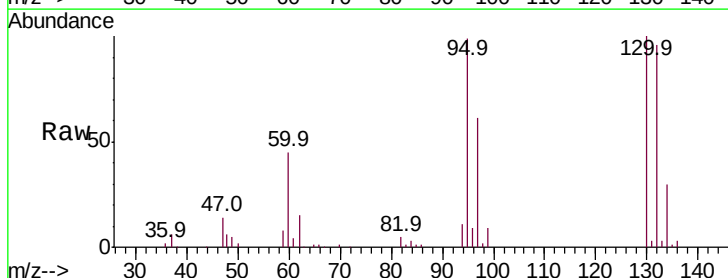
Acq: 10 Feb 2020 9:57

Tgt Ion:130 Resp: 97383

Ion Ratio Lower Upper

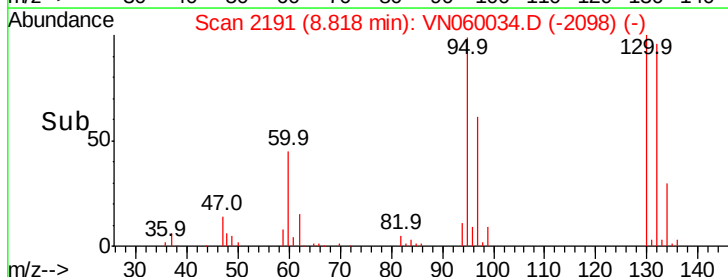
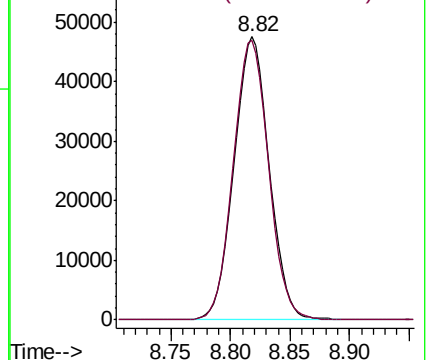
130 100

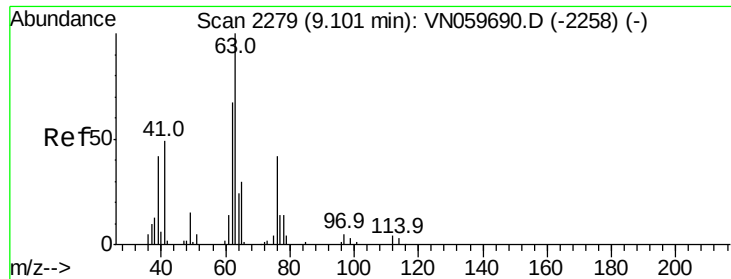
95 98.8 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

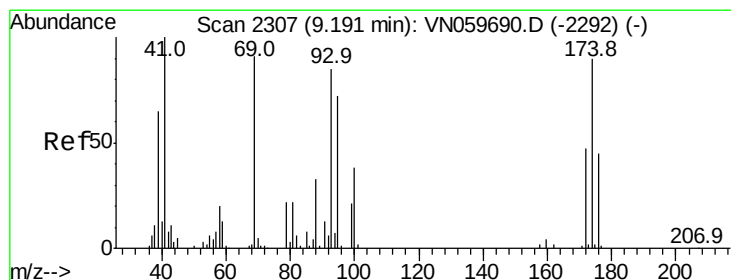
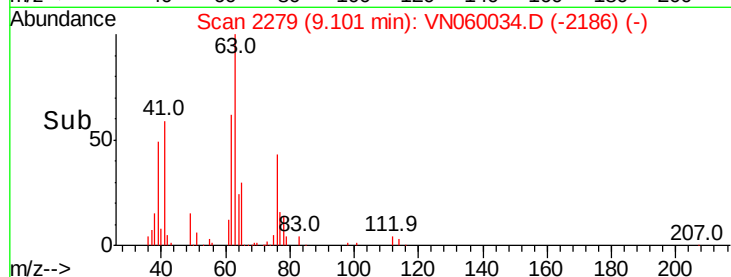
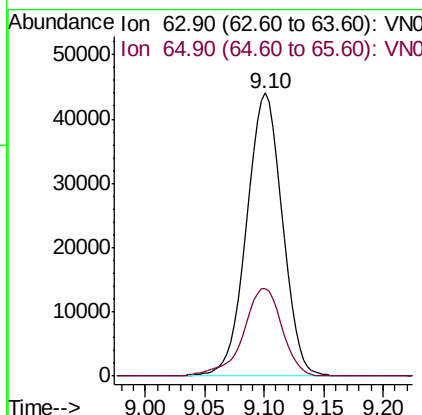
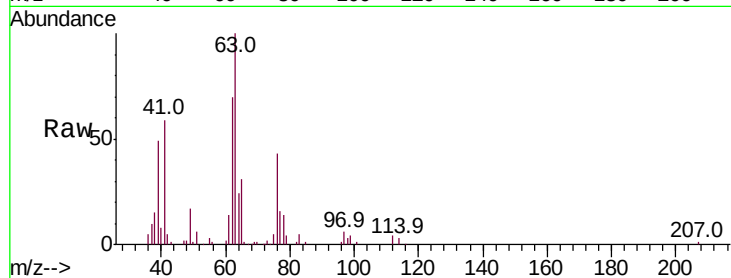




#45
 1,2-Dichloropropane
 Concen: 51.431 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

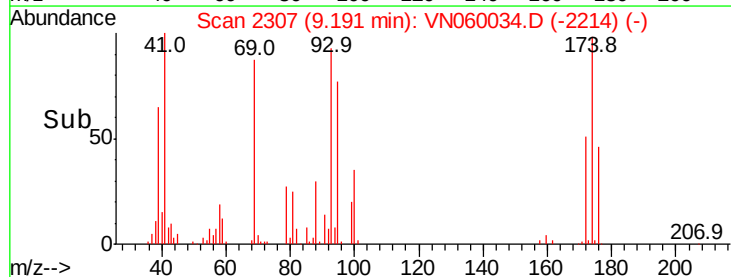
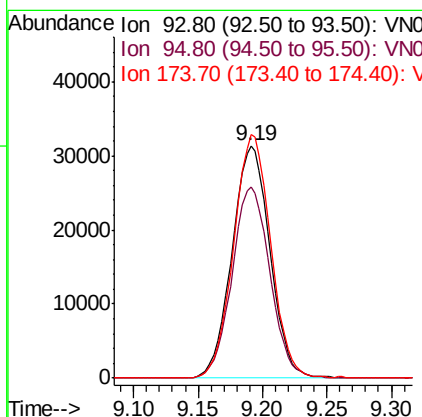
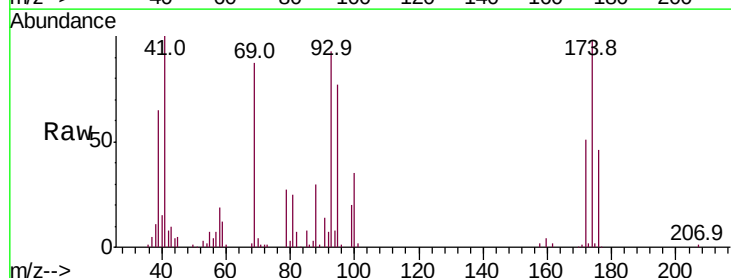
Instrument :
 MSVOA_N
 ClientSampled :

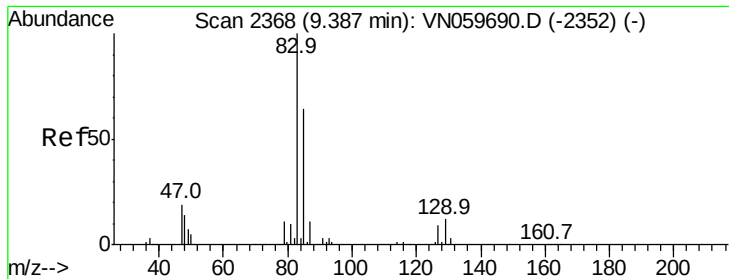
Tot Ion: 63 Resp: 91697
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.9 37.3



#46
 Dibromomethane
 Concen: 50.962 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion: 93 Resp: 64093
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.6
 174 102.7 73.4 110.2

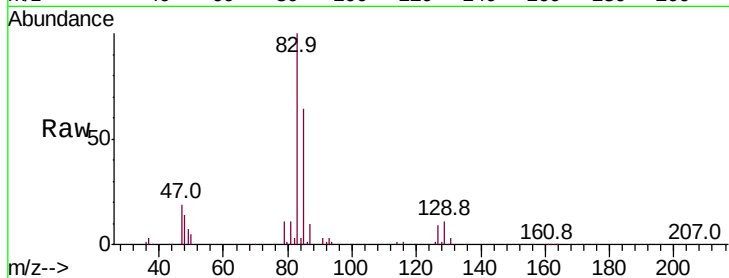




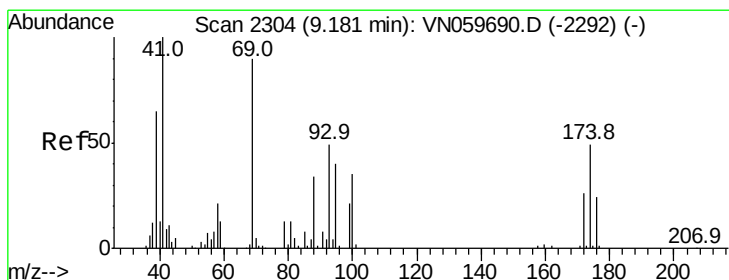
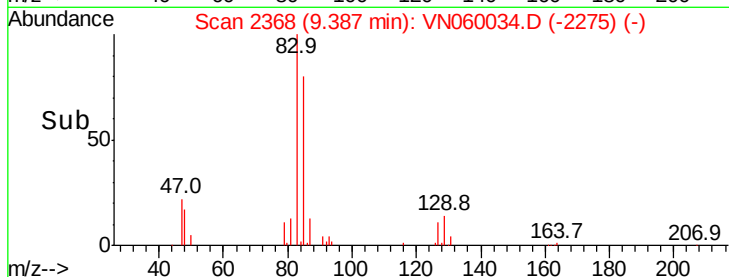
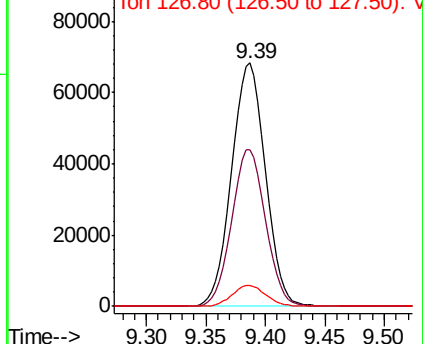
#47
Bromodichloromethane
Concen: 53.212 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 134862
Ion Ratio Lower Upper
83 100
85 64.4 51.1 76.7
127 8.6 6.6 9.8

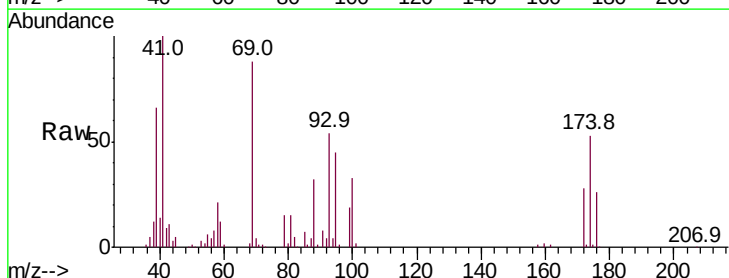


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

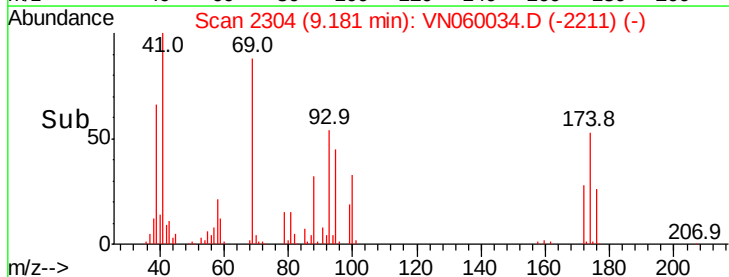
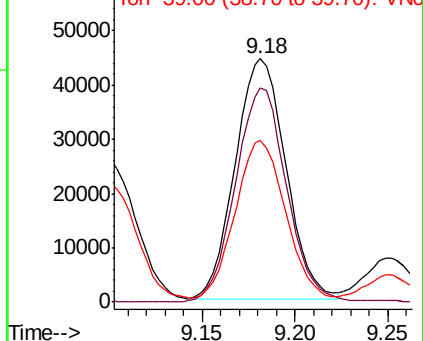


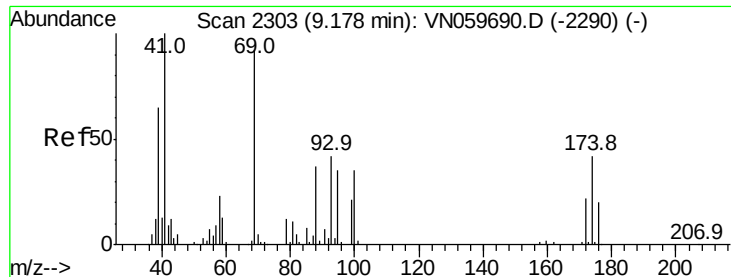
#48
Methyl methacrylate
Concen: 48.337 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 41 Resp: 84266
Ion Ratio Lower Upper
41 100
69 90.3 64.4 96.6
39 67.7 51.3 76.9



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





#49

1,4-Dioxane

Concen: 958.861 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :

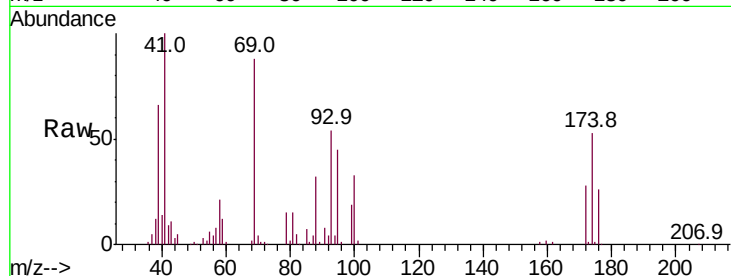
Tot Ion: 88 Resp: 30601

Ion Ratio Lower Upper

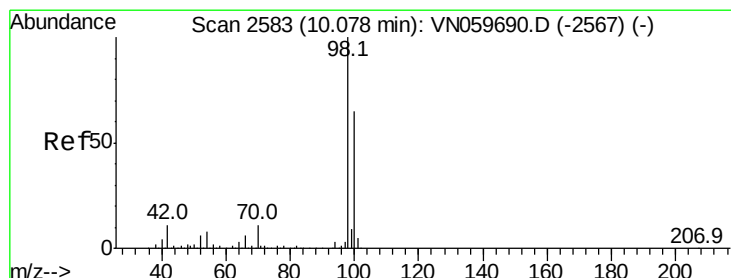
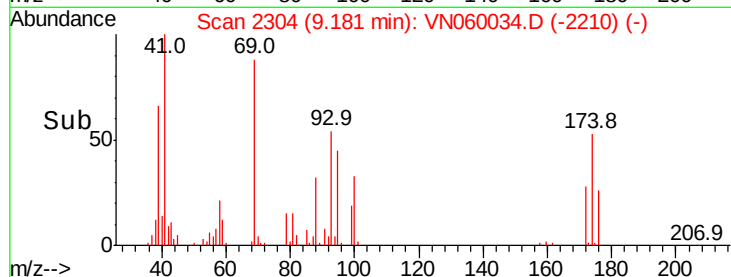
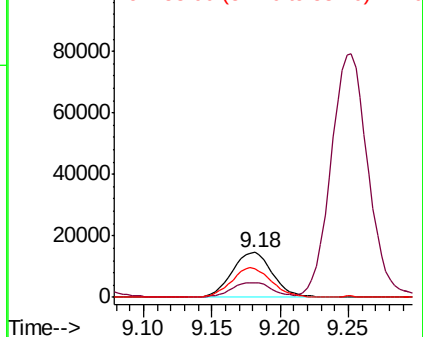
88 100

43 33.2 29.7 44.5

58 64.5 56.6 85.0



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



#50

Toluene-d8

Concen: 51.130 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060034.D

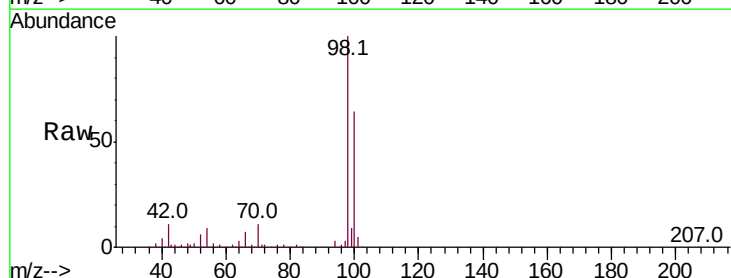
Acq: 10 Feb 2020 9:57

Tgt Ion: 98 Resp: 327744

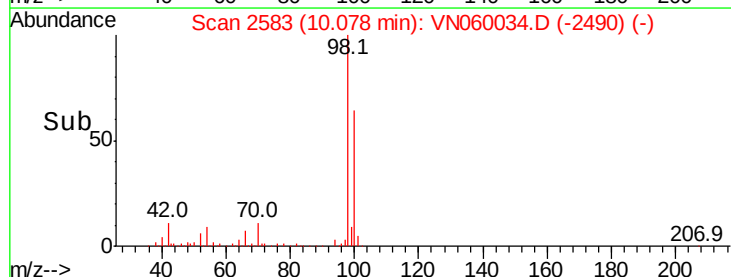
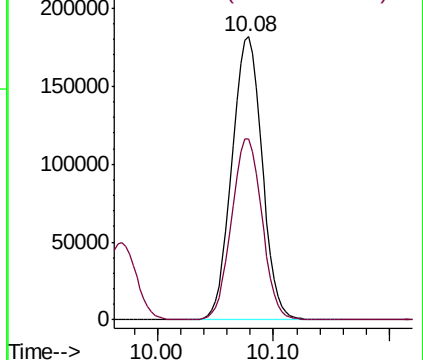
Ion Ratio Lower Upper

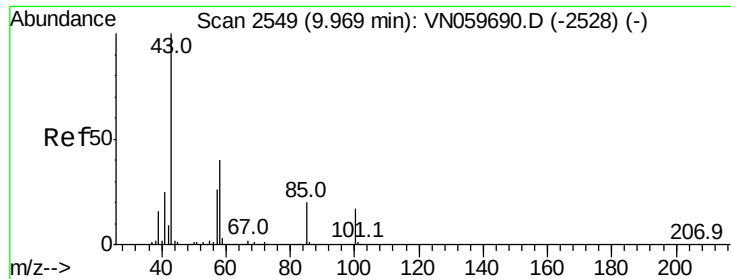
98 100

100 64.5 51.2 76.8



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

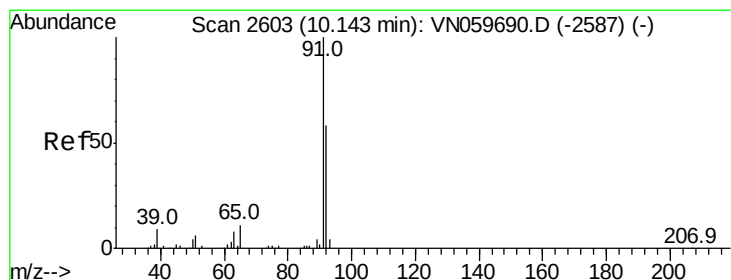
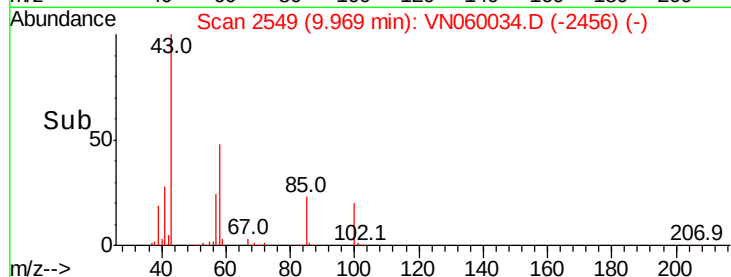
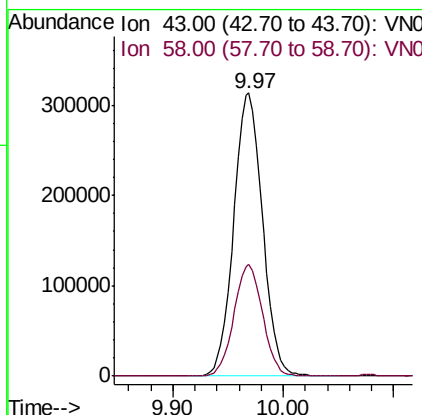
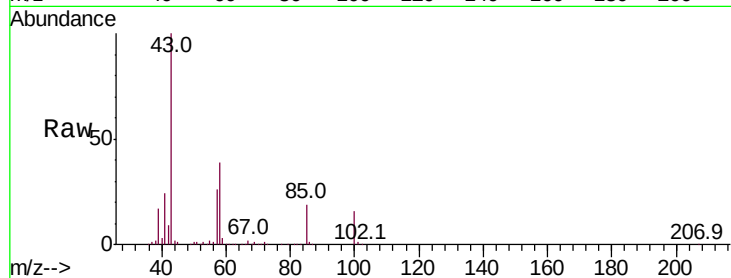




#51
 4-Methyl-2-Pentanone
 Concen: 251.491 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

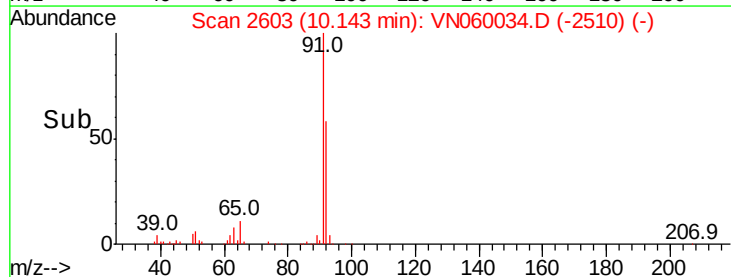
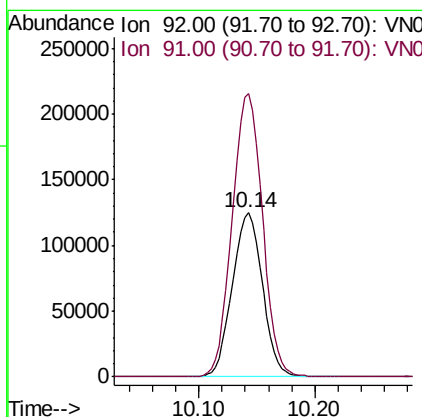
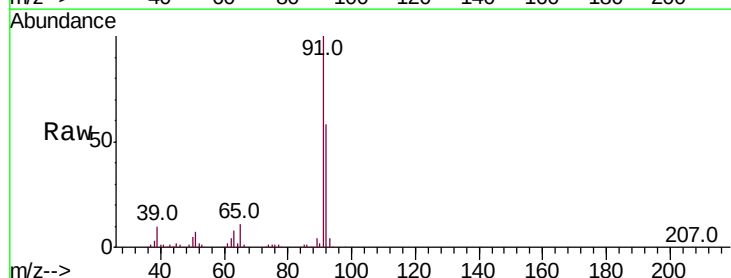
Instrument :
 MSVOA_N
 ClientSampleId :

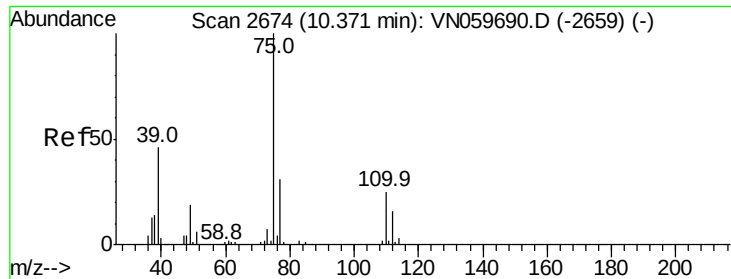
Tot Ion: 43 Resp: 566607
 Ion Ratio Lower Upper
 43 100
 58 39.3 29.8 44.8



#52
 Toluene
 Concen: 49.453 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion: 92 Resp: 225065
 Ion Ratio Lower Upper
 92 100
 91 173.5 140.4 210.6

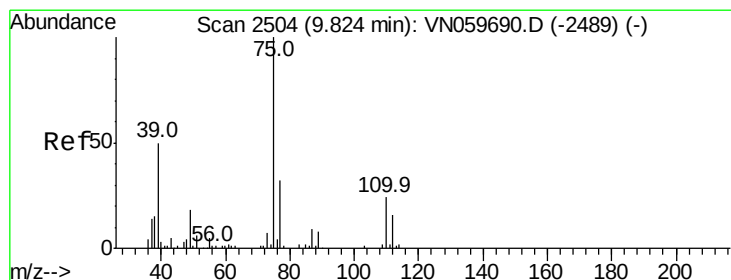
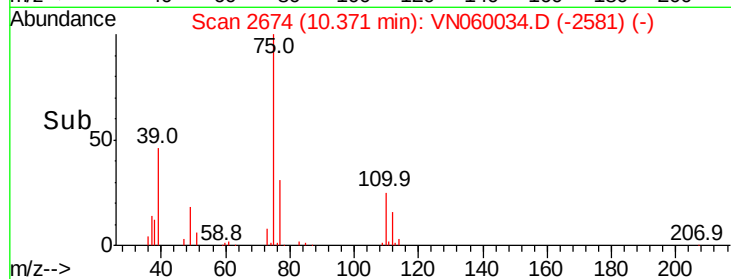
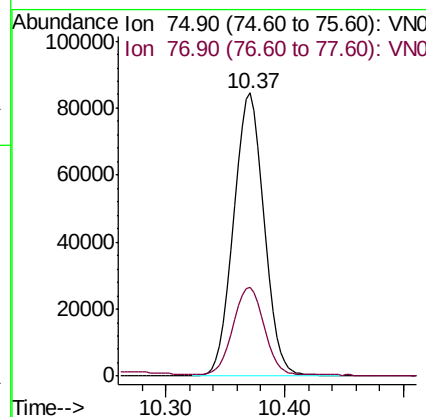
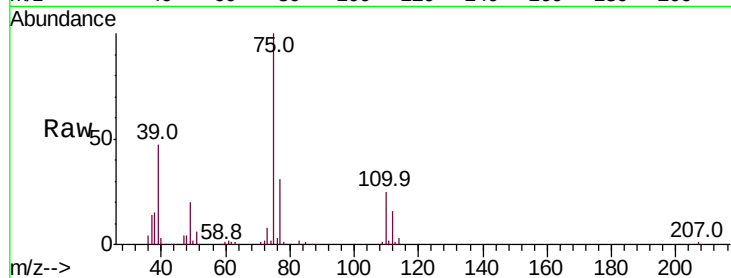




#53
t-1,3-Dichloropropene
Concen: 53.133 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

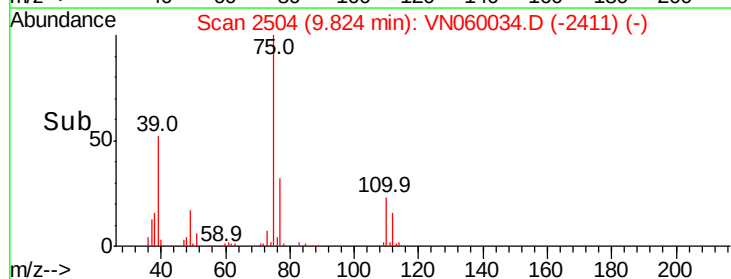
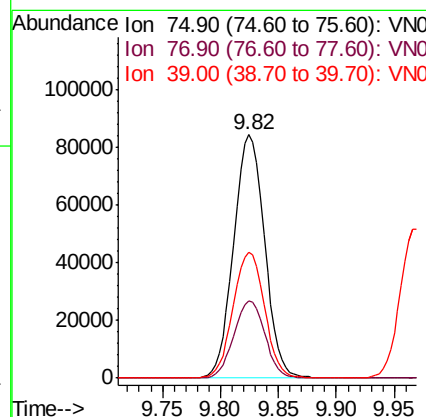
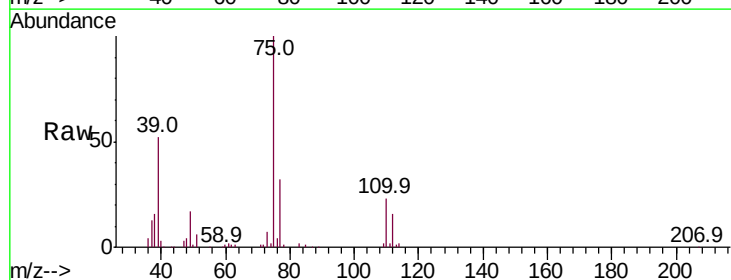
Instrument :
MSVOA_N
ClientSampled :

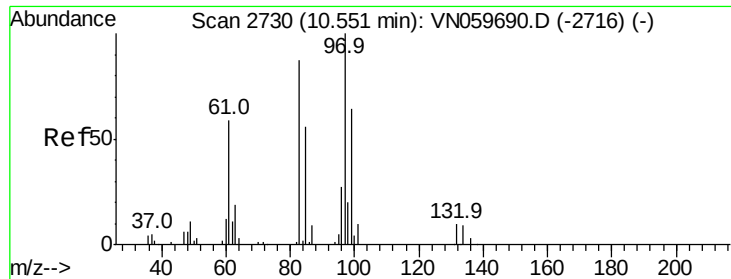
Tot Ion: 75 Resp: 150360
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 52.440 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 75 Resp: 156144
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7
39 51.7 46.1 69.1

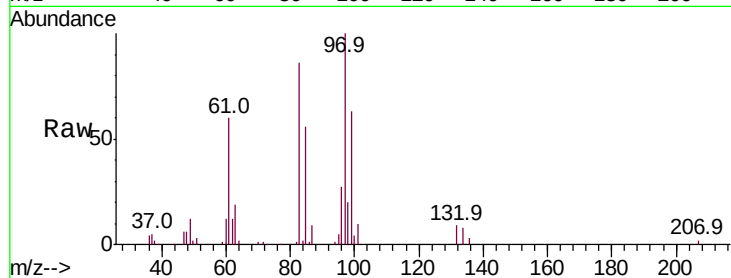




#55
 1,1,2-Trichloroethane
 Concen: 52.271 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	94217
Ion	Ratio	Lower	Upper
97	100		
83	86.5	71.3	106.9
85	55.9	45.8	68.8
99	63.1	50.0	75.0



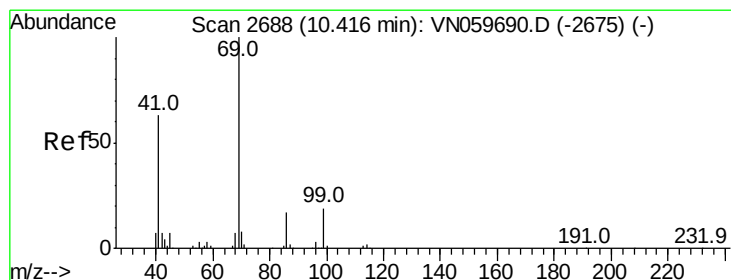
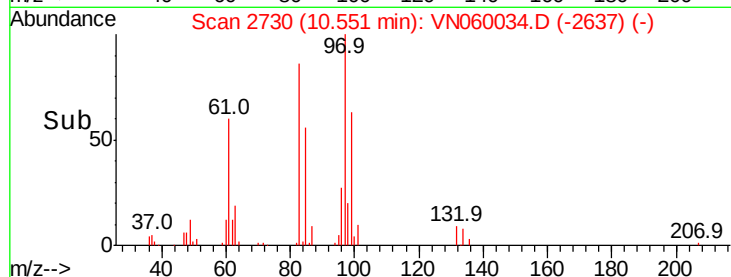
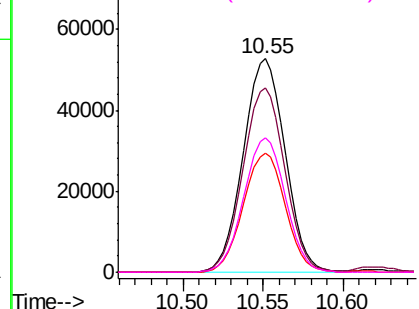
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

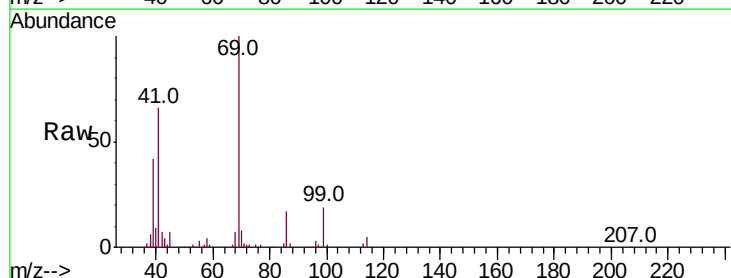
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 49.102 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion:	69	Resp:	135238
Ion	Ratio	Lower	Upper
69	100		
41	65.1	57.1	85.7
39	42.7	34.7	52.1

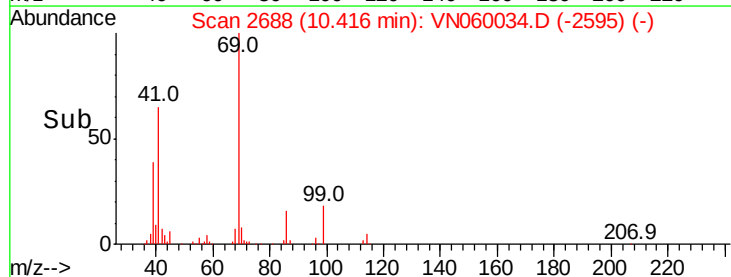
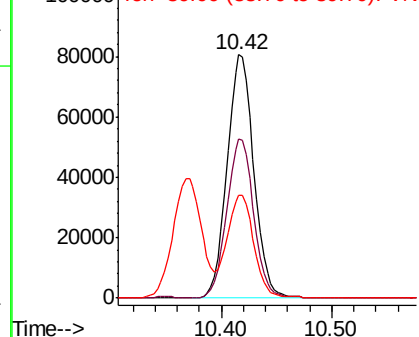


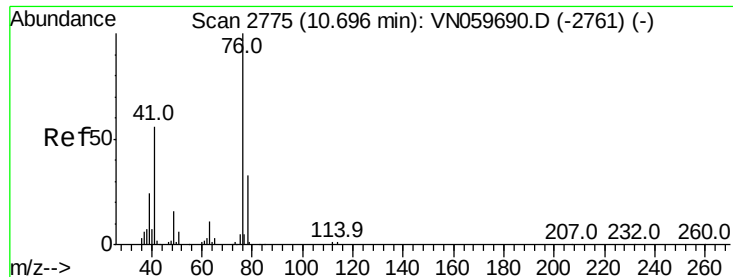
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

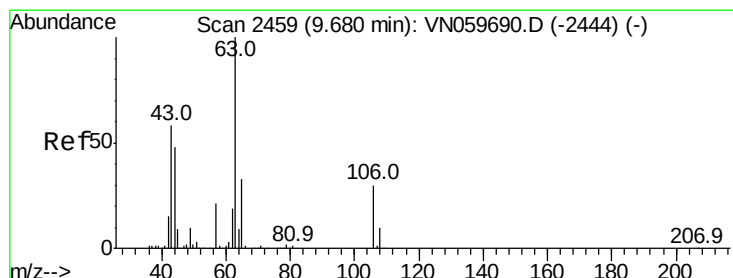
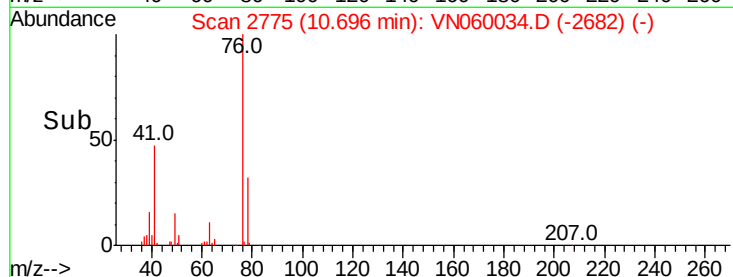
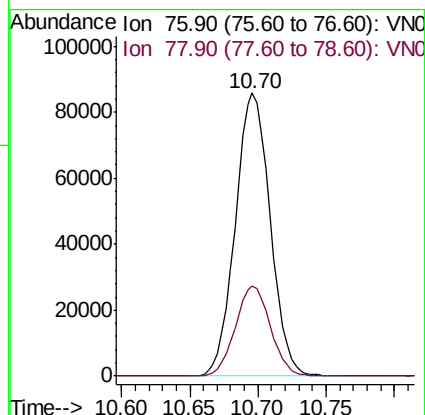
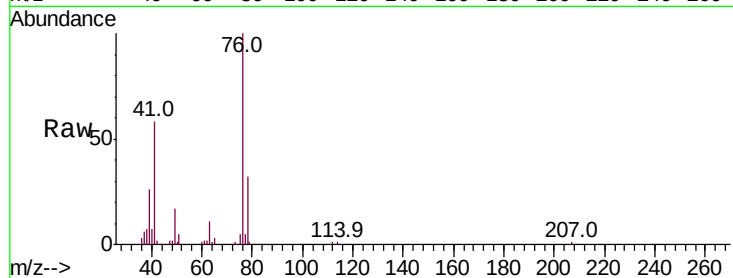




#57
 1,3-Dichloropropane
 Concen: 53.246 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

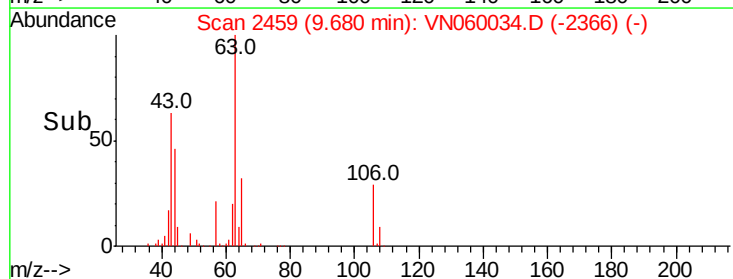
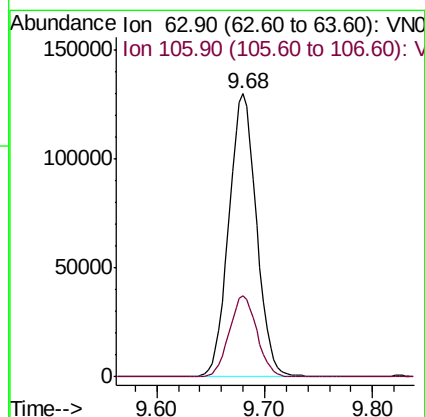
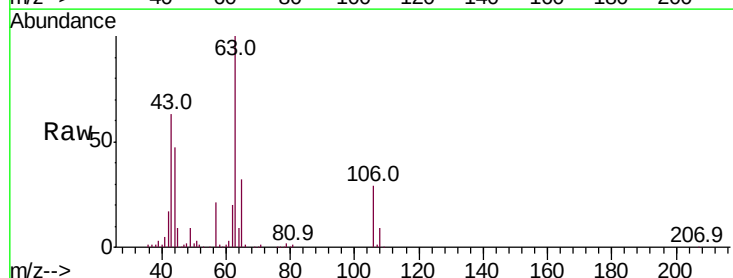
Instrument :
 MSVOA_N
 ClientSampleId :

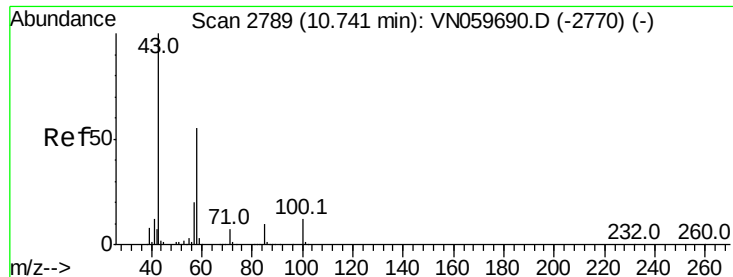
Tot Ion: 76 Resp: 152371
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.690 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion: 63 Resp: 232024
 Ion Ratio Lower Upper
 63 100
 106 28.6 20.2 30.2

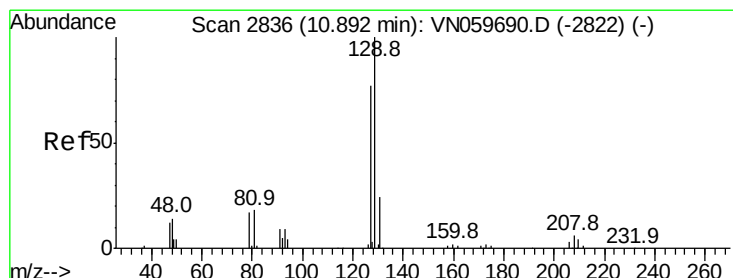
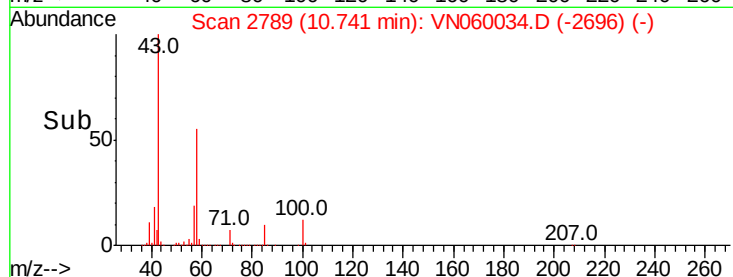
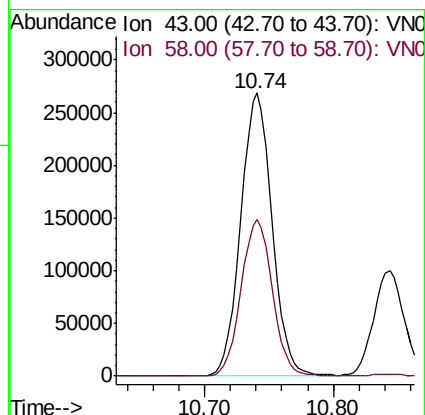
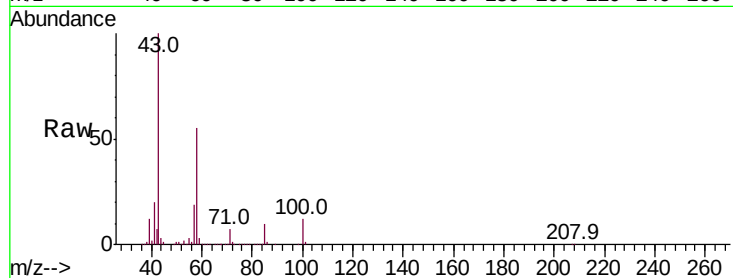




#59
2-Hexanone
Concen: 273.797 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

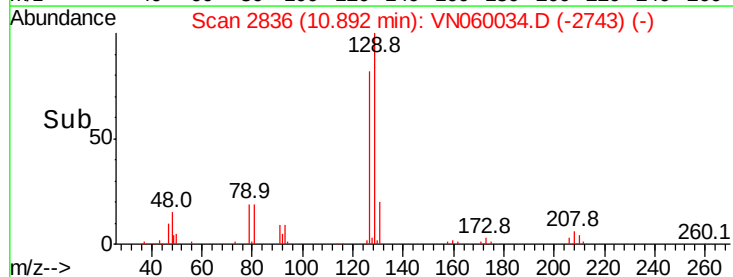
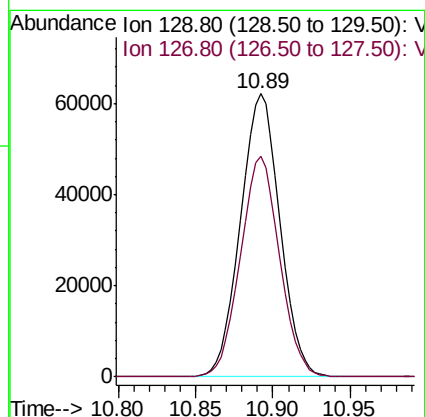
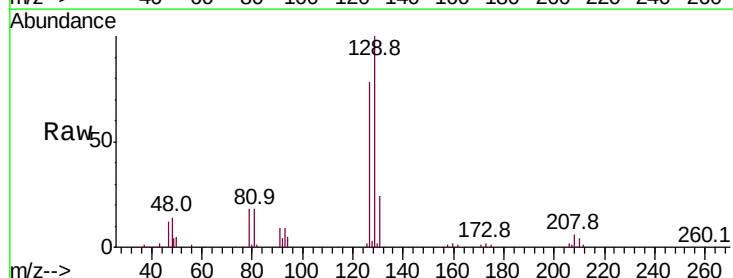
Instrument :
MSVOA_N
ClientSampleId :

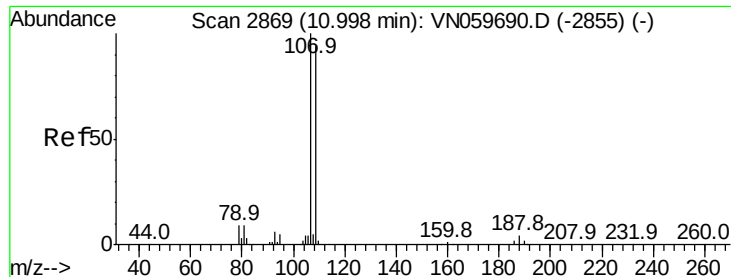
Tot Ion: 43 Resp: 454446
Ion Ratio Lower Upper
43 100
58 55.3 25.8 77.3



#60
Dibromochloromethane
Concen: 53.760 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 129 Resp: 110347
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5

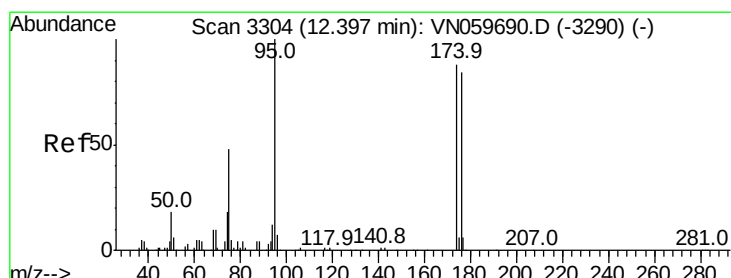
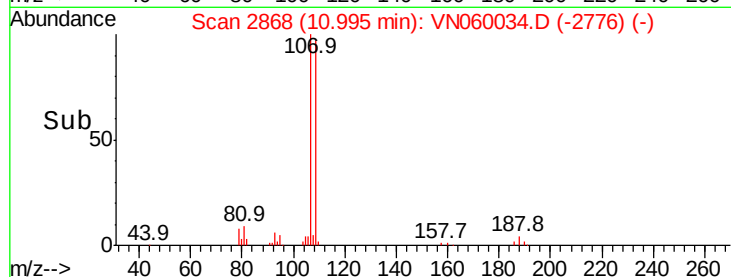
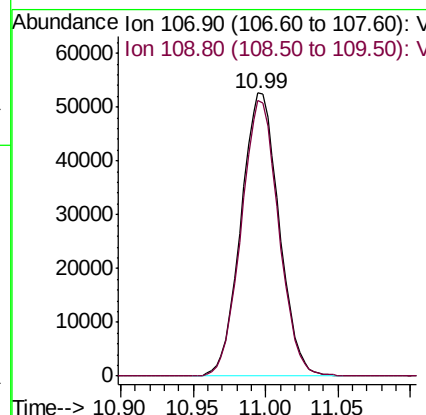
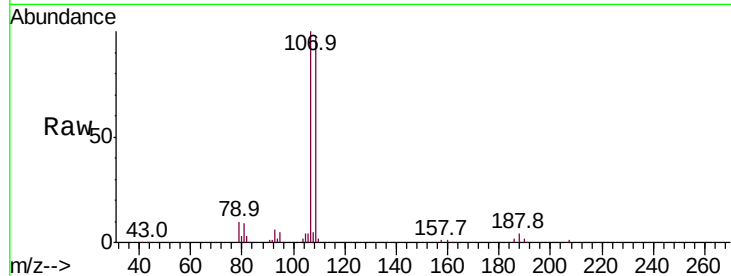




#61
 1,2-Dibromoethane
 Concen: 50.728 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

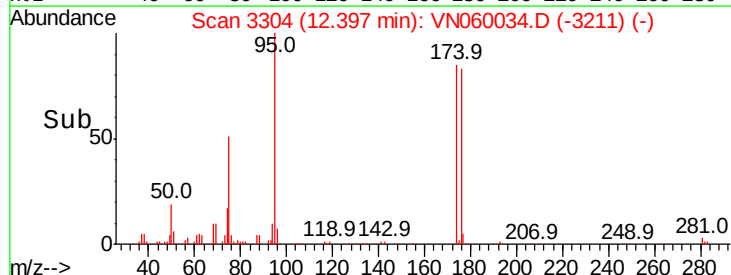
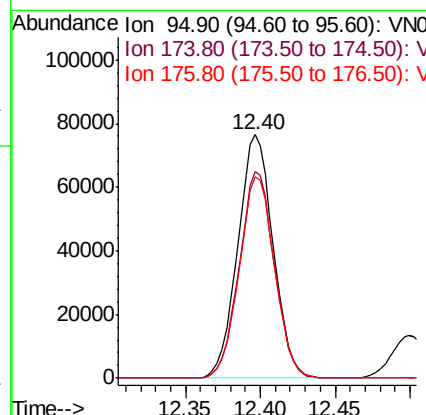
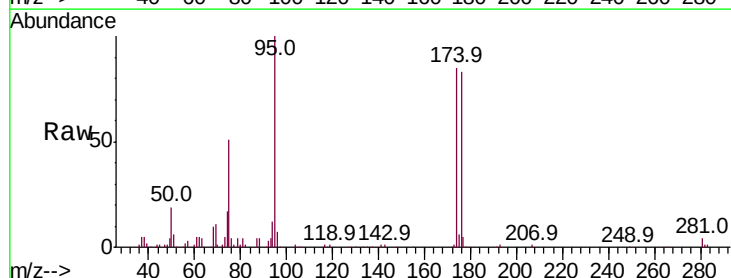
Instrument :
 MSVOA_N
 ClientSampled :

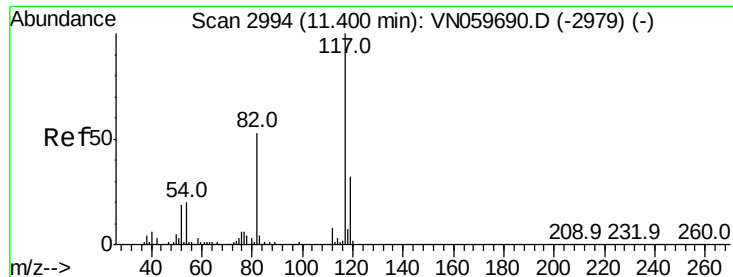
Tot Ion:107 Resp: 95836
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 54.211 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion: 95 Resp: 125269
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 151.4
 176 83.0 0.0 146.0

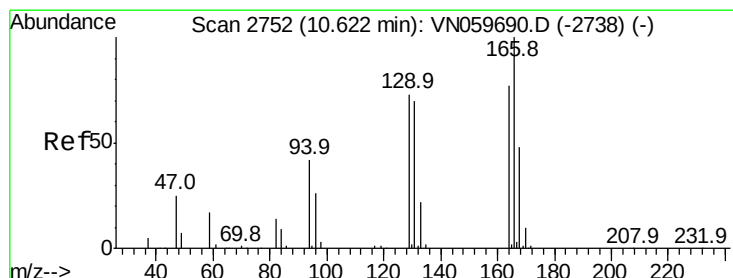
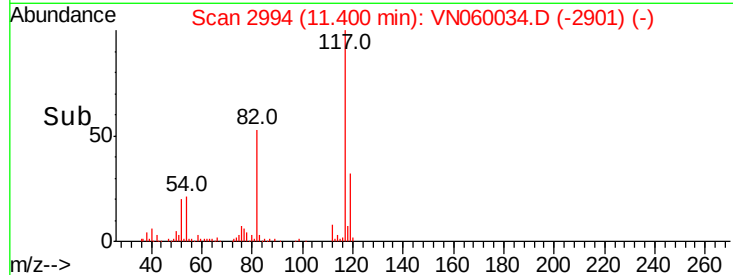
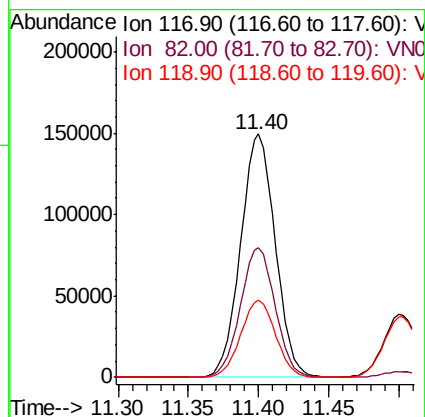
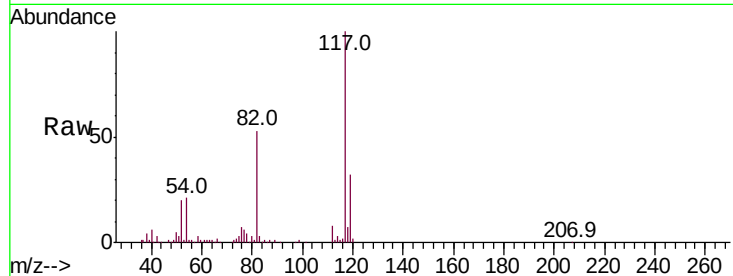




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

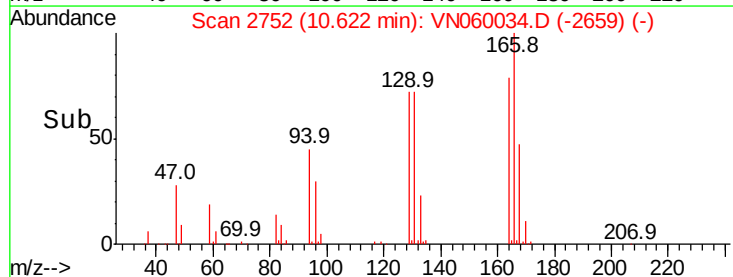
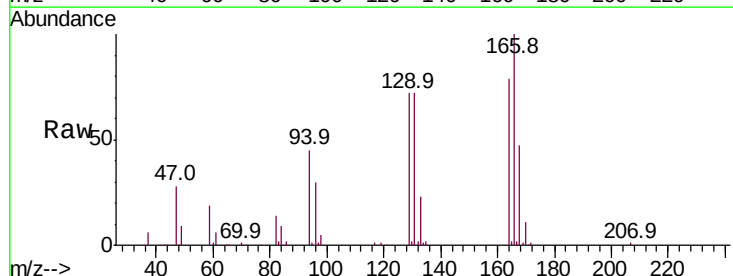
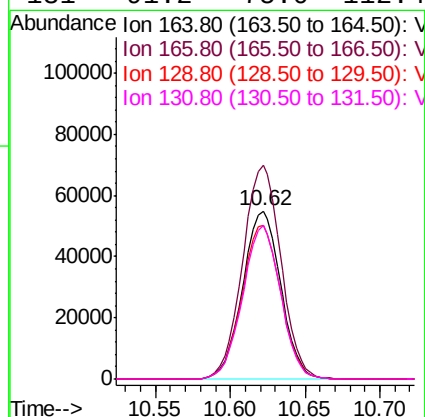
Instrument :
MSVOA_N
ClientSampled :

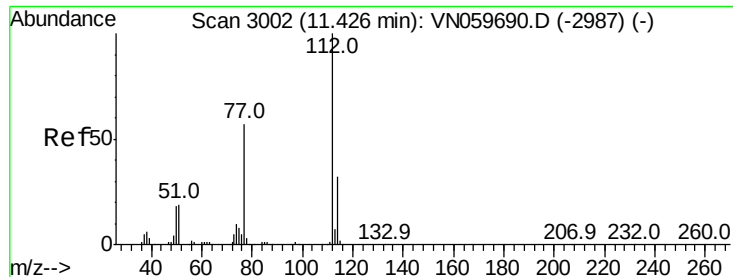
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.9	68.9
119	31.8	25.5	38.3



#64
Tetrachloroethene
Concen: 46.524 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.4	152.0
129	91.8	80.2	120.4
131	91.2	75.0	112.4





#65

Chlorobenzene

Concen: 49.724 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

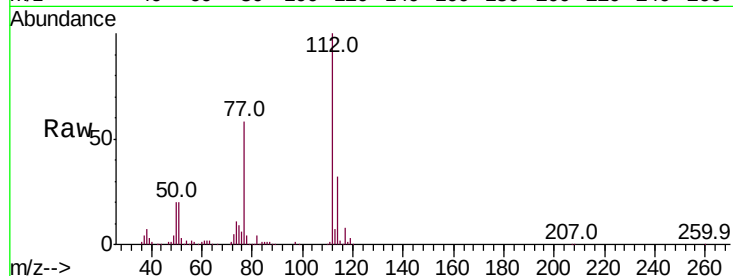
ClientSampleId :

Tot Ion:112 Resp: 251713

Ion Ratio Lower Upper

112 100

114 31.6 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

150000

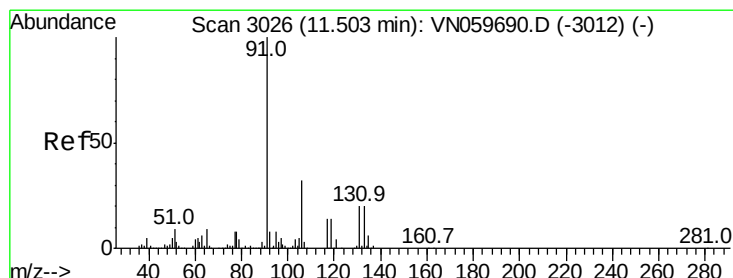
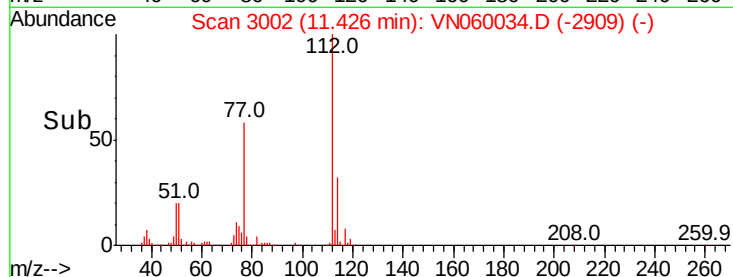
100000

50000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.594 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

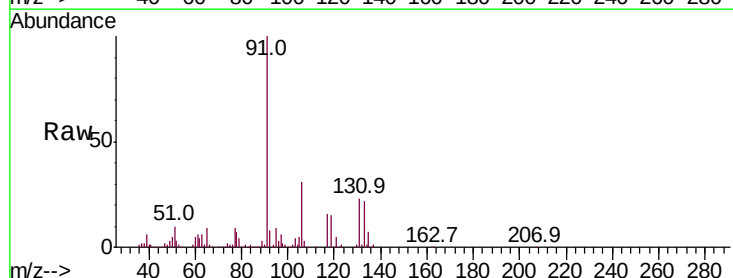
Tgt Ion:131 Resp: 100918

Ion Ratio Lower Upper

131 100

133 95.8 47.4 142.2

119 64.9 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

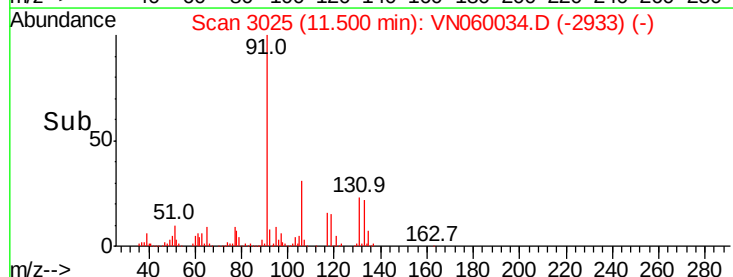
40000

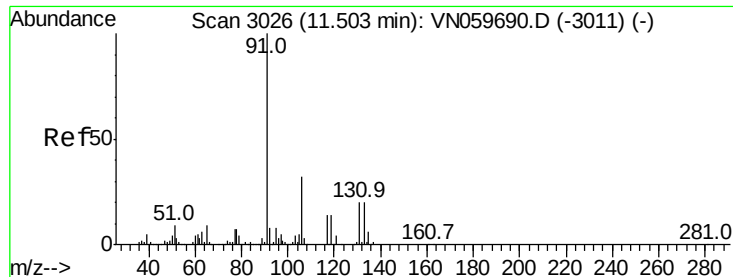
20000

0

11.45 11.50 11.55

Time-->





#67

Ethyl Benzene

Concen: 49.201 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

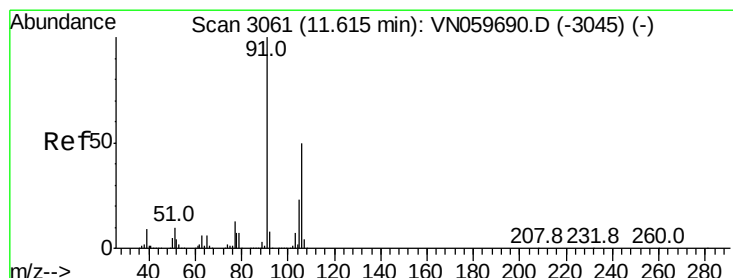
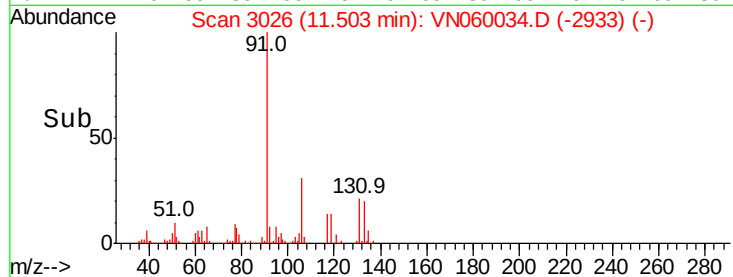
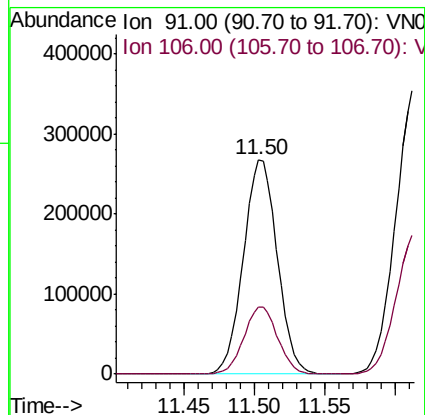
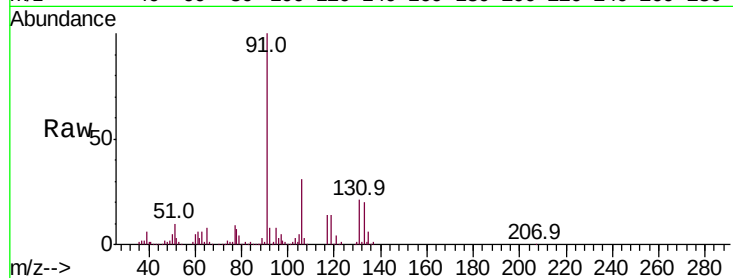
ClientSampled :

Tot Ion: 91 Resp: 452129

Ion Ratio Lower Upper

91 100

106 31.4 24.1 36.1



#68

m/p-Xylenes

Concen: 97.259 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060034.D

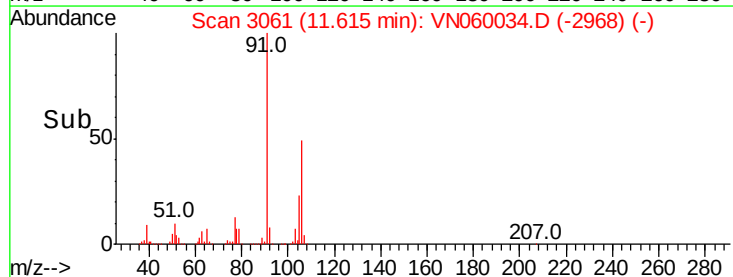
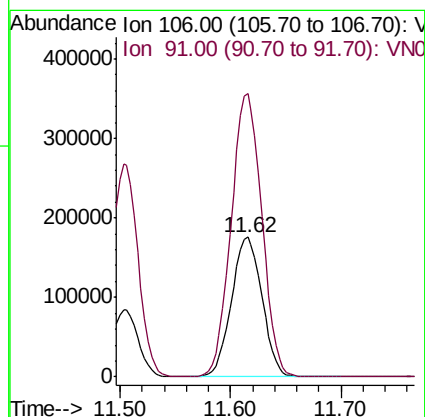
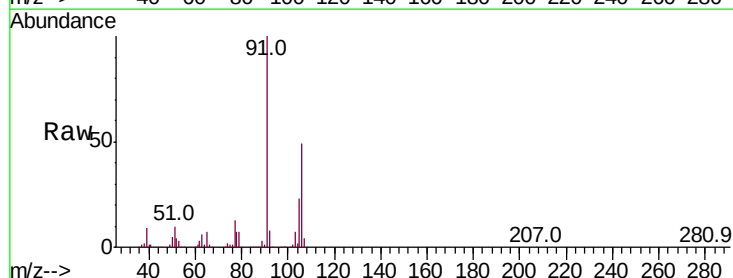
Acq: 10 Feb 2020 9:57

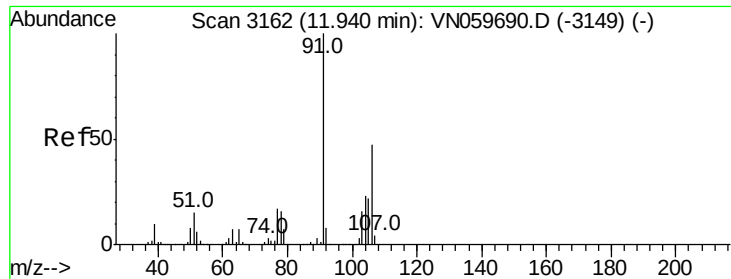
Tgt Ion: 106 Resp: 337608

Ion Ratio Lower Upper

106 100

91 203.4 167.9 251.9

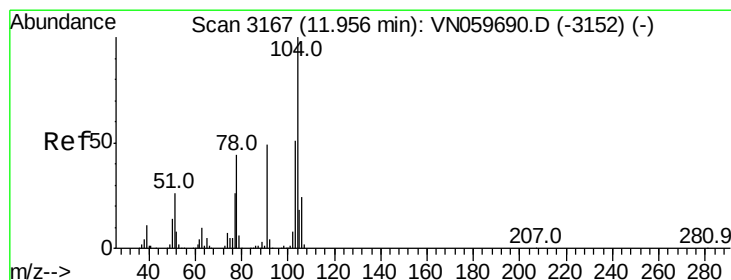
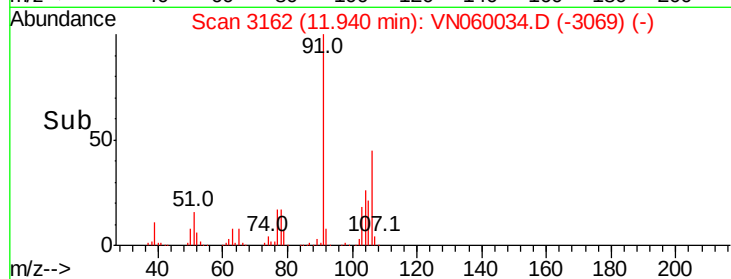
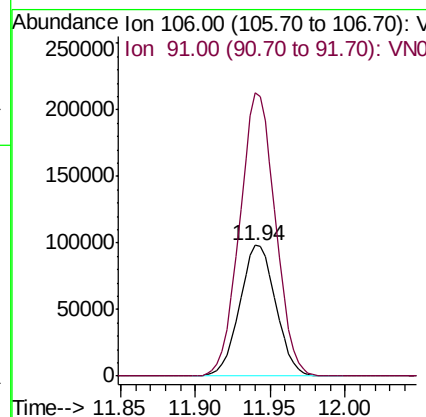
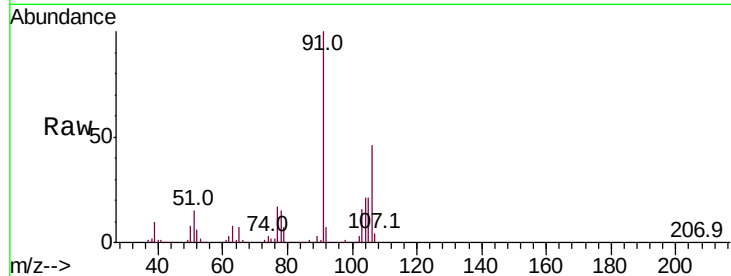




#69
o-Xylene
Concen: 48.456 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

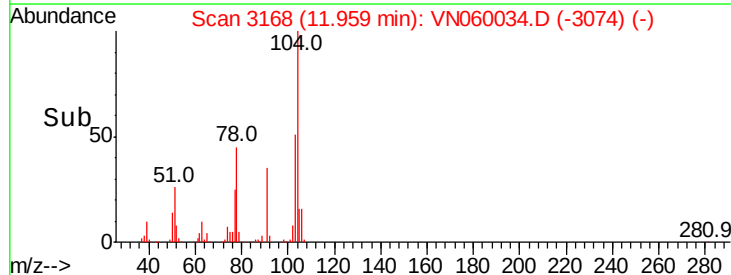
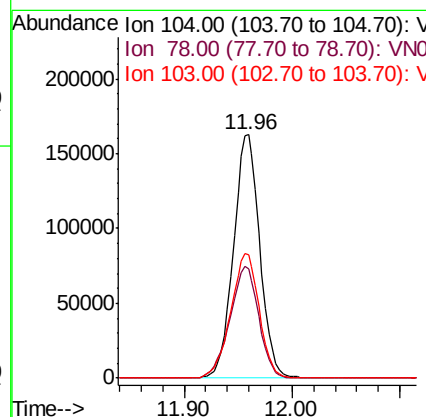
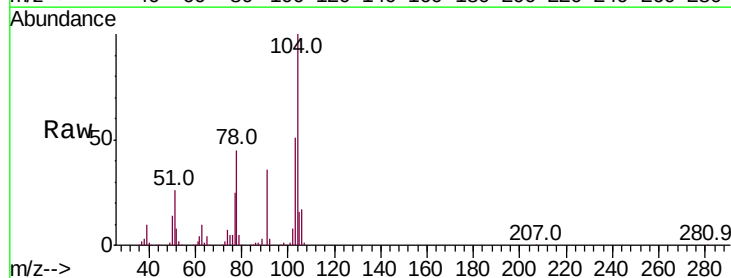
Instrument :
MSVOA_N
ClientSampled :

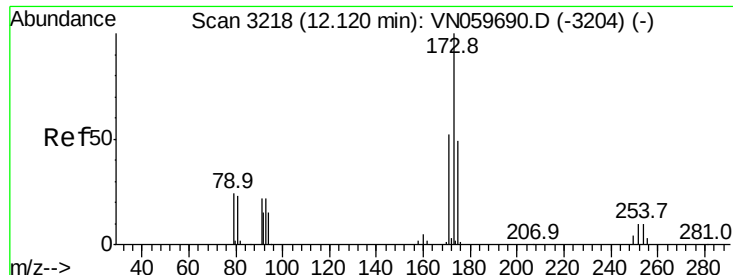
Tot Ion:106 Resp: 164671
Ion Ratio Lower Upper
106 100
91 214.2 110.3 330.9



#70
Styrene
Concen: 48.547 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion:104 Resp: 276072
Ion Ratio Lower Upper
104 100
78 50.3 42.4 63.6
103 55.5 43.9 65.9





#71

Bromoform

Concen: 52.283 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

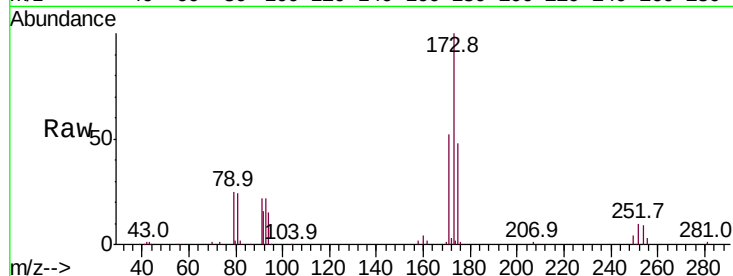
Tot Ion:173 Resp: 81917

Ion Ratio Lower Upper

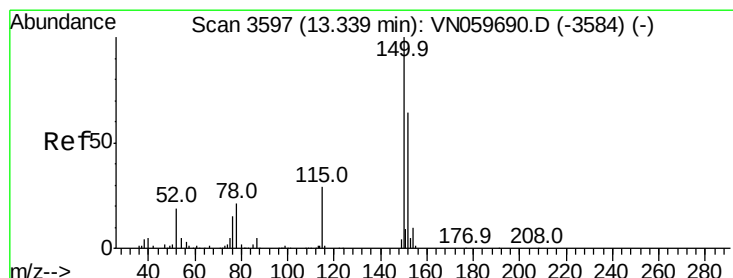
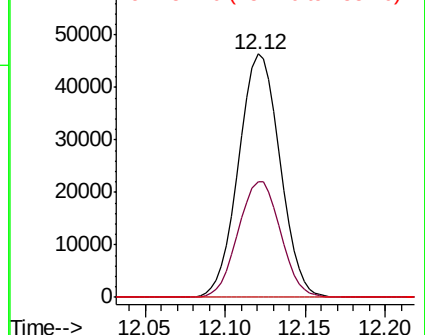
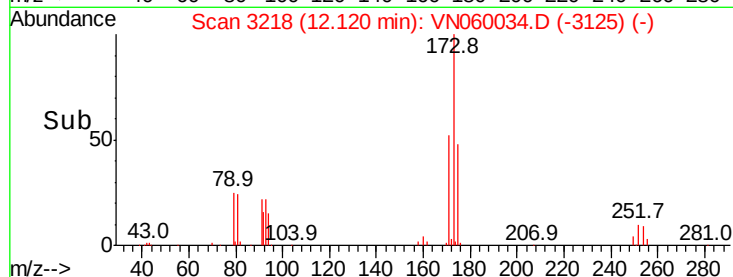
173 100

175 48.6 23.8 71.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

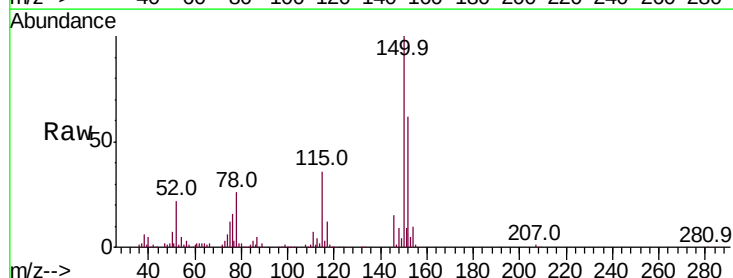
Tgt Ion:152 Resp: 128743

Ion Ratio Lower Upper

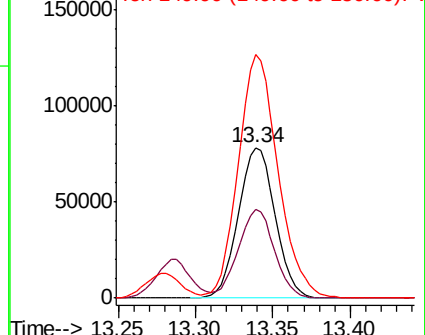
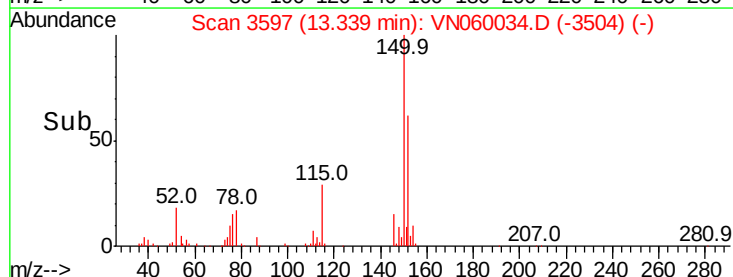
152 100

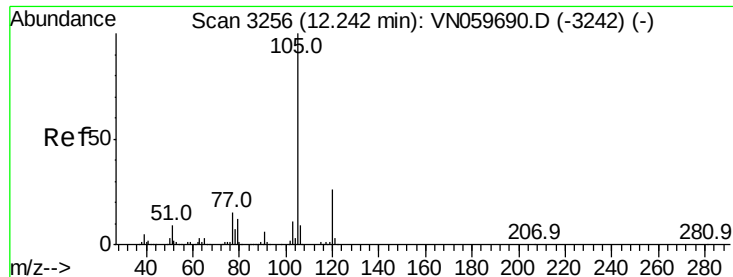
115 58.2 30.3 90.9

150 175.7 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.236 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

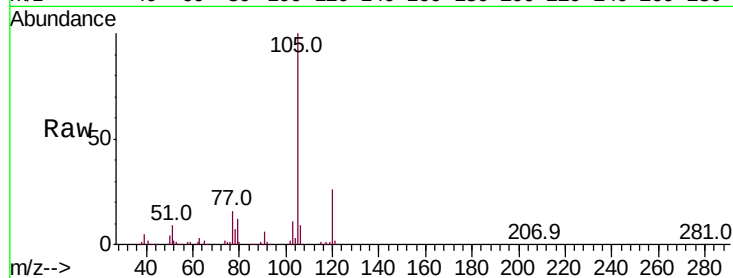
ClientSampleId :

Tot Ion:105 Resp: 455445

Ion Ratio Lower Upper

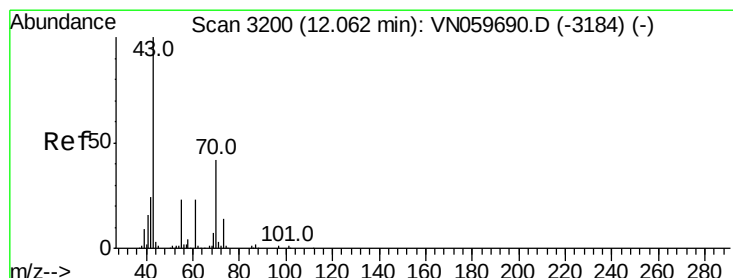
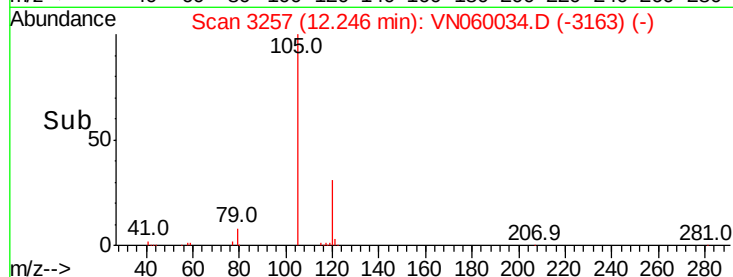
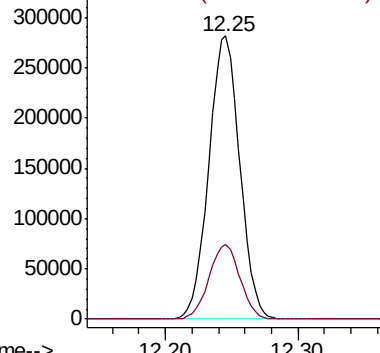
105 100

120 26.4 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.400 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion: 43 Resp: 169998

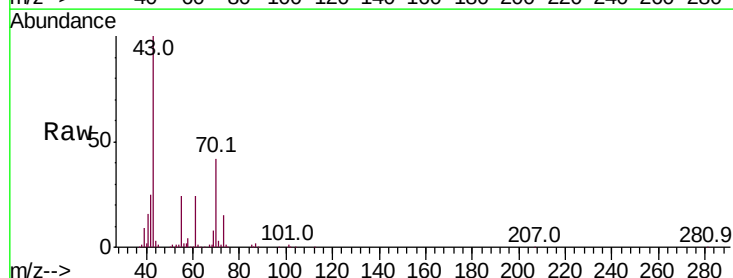
Ion Ratio Lower Upper

43 100

70 42.2 31.3 46.9

55 24.0 19.8 29.6

61 24.0 18.3 27.5

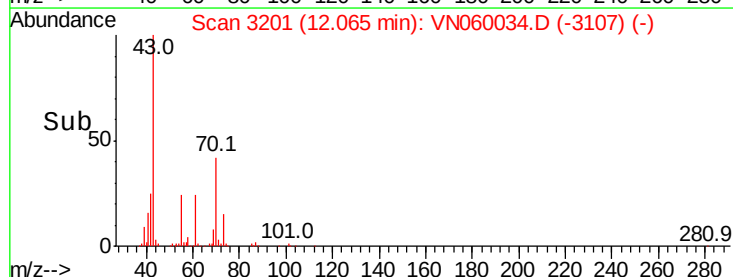
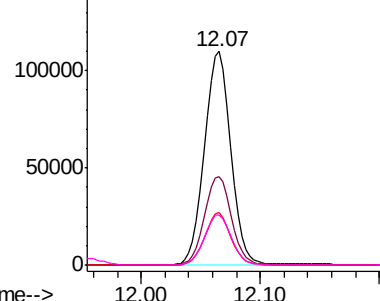


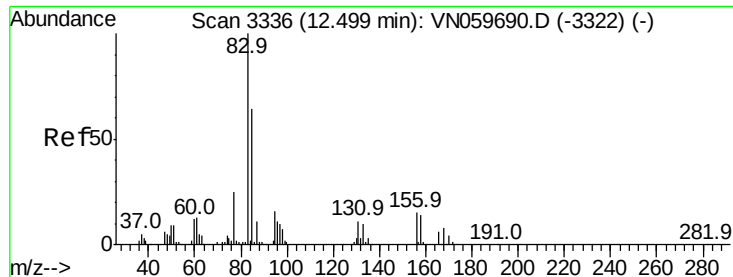
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.891 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

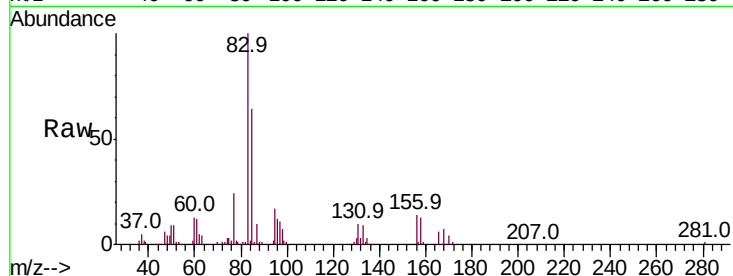
Tot Ion: 83 Resp: 133825

Ion Ratio Lower Upper

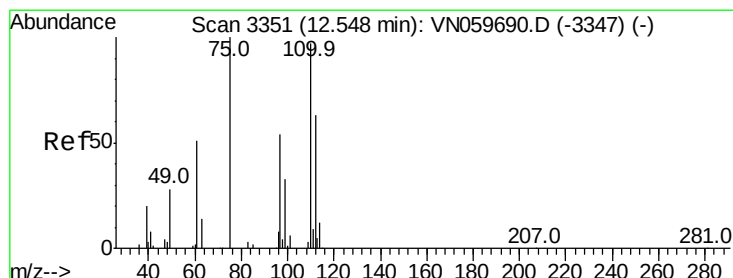
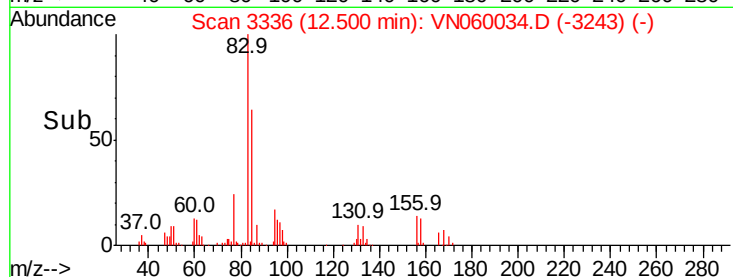
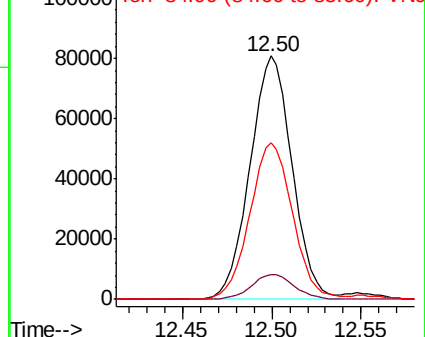
83 100

131 10.4 5.0 14.9

85 65.2 31.9 95.5



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



#76

1,2,3-Trichloropropane

Concen: 83.102 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060034.D

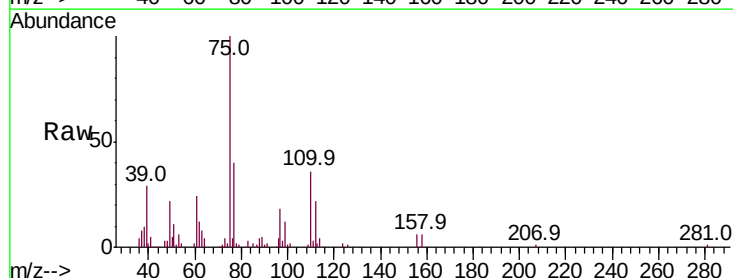
Acq: 10 Feb 2020 9:57

Tgt Ion: 75 Resp: 180051

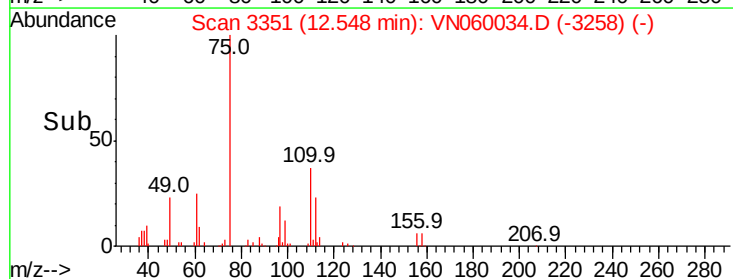
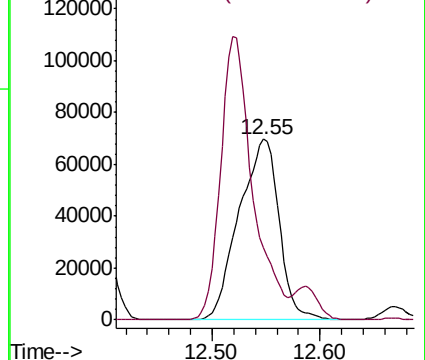
Ion Ratio Lower Upper

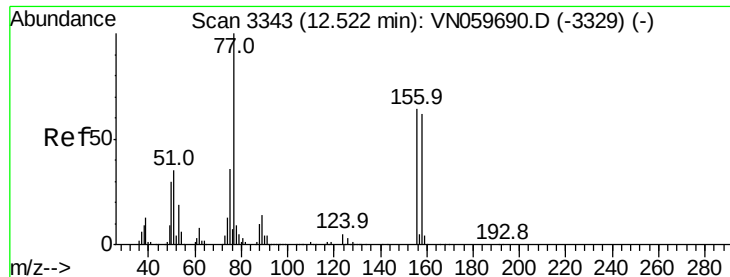
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.534 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

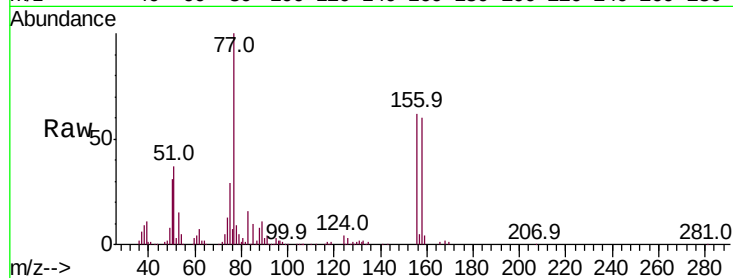
Tot Ion:156 Resp: 113657

Ion Ratio Lower Upper

156 100

77 198.7 115.8 347.4

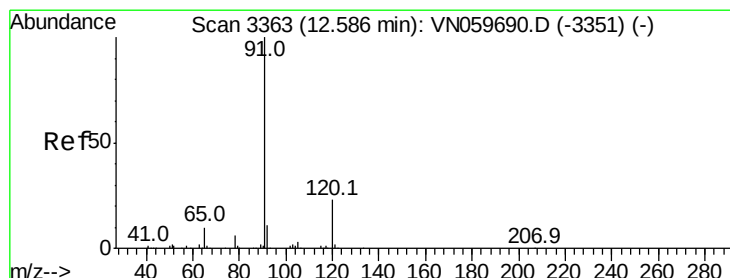
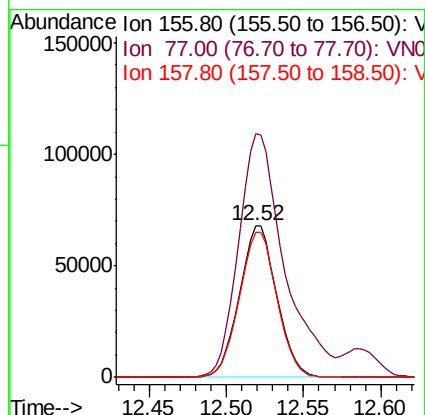
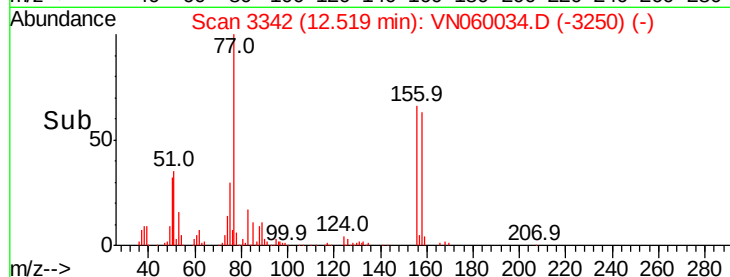
158 97.0 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.961 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060034.D

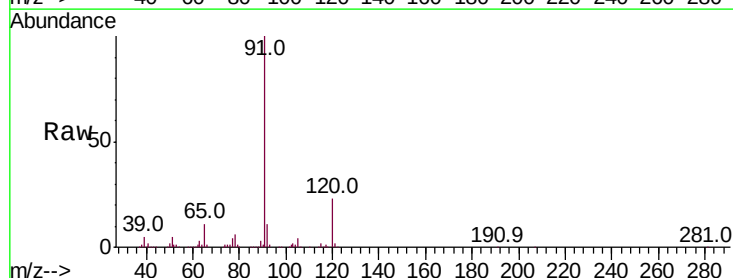
Acq: 10 Feb 2020 9:57

Tgt Ion: 91 Resp: 518875

Ion Ratio Lower Upper

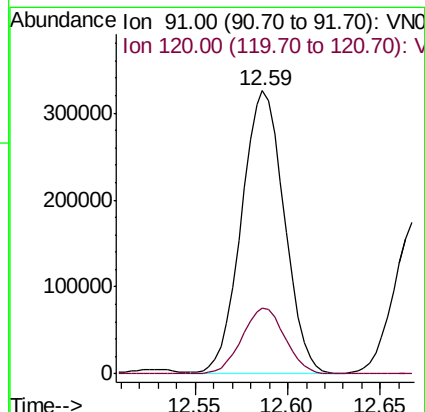
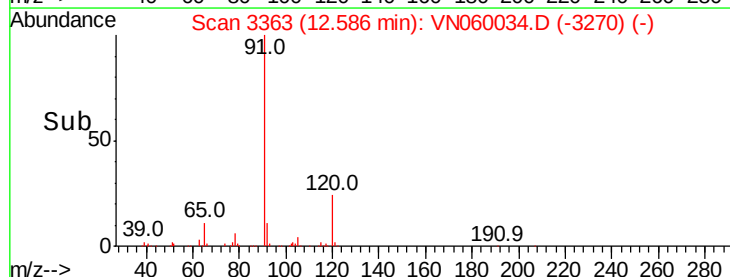
91 100

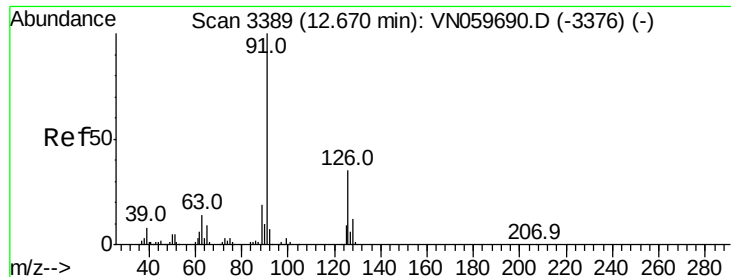
120 23.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.902 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

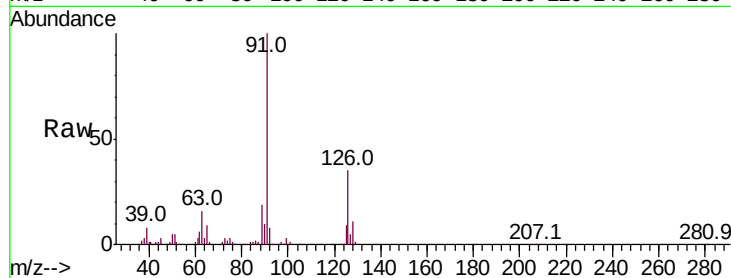
ClientSampleId :

Tot Ion: 91 Resp: 302000

Ion Ratio Lower Upper

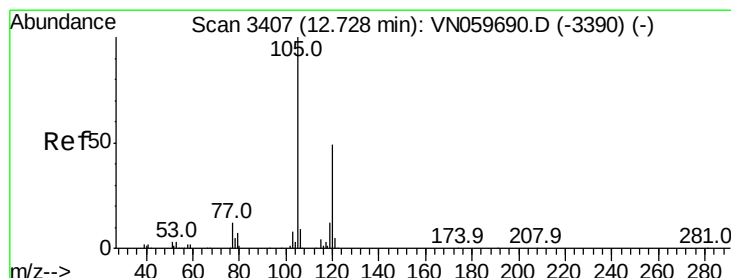
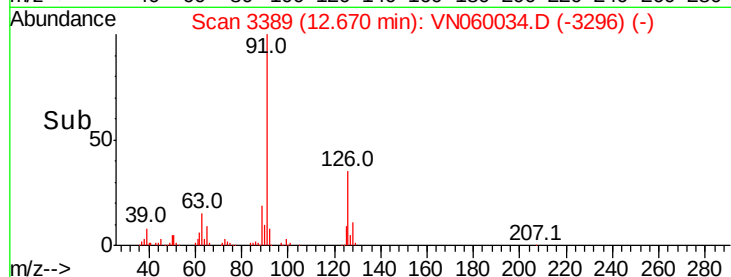
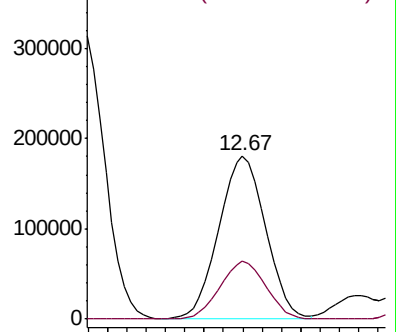
91 100

126 35.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.036 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060034.D

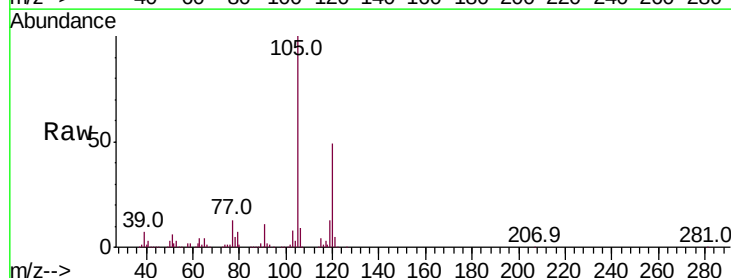
Acq: 10 Feb 2020 9:57

Tgt Ion:105 Resp: 381441

Ion Ratio Lower Upper

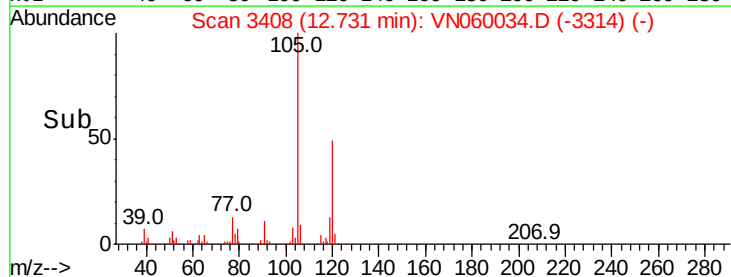
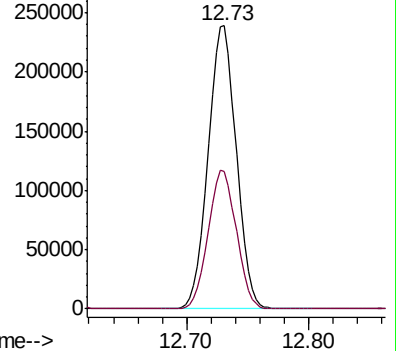
105 100

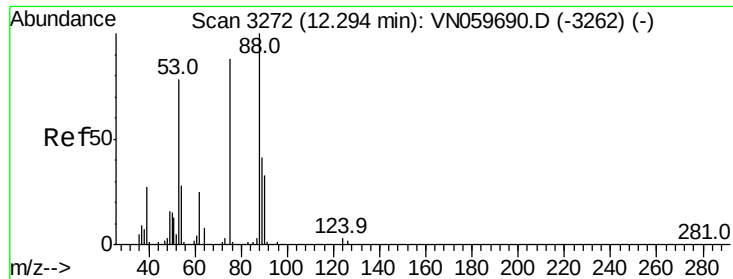
120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.819 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

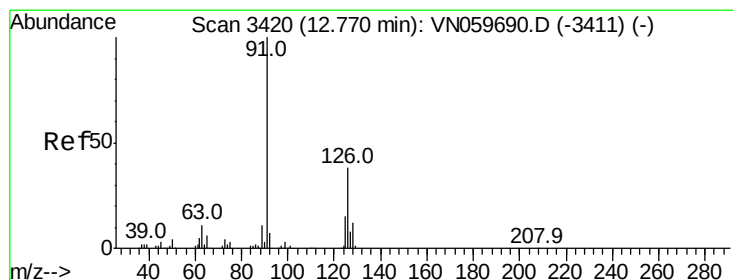
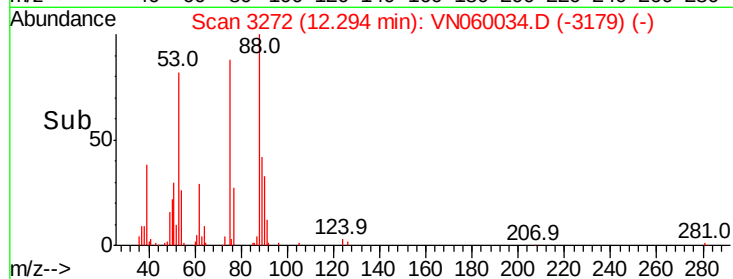
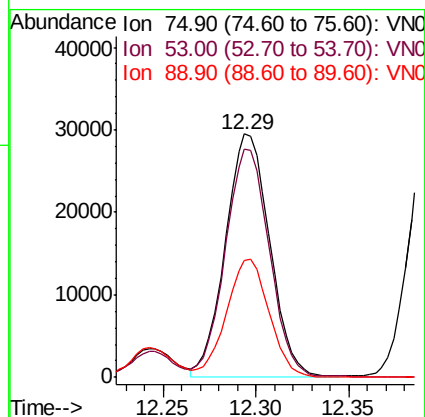
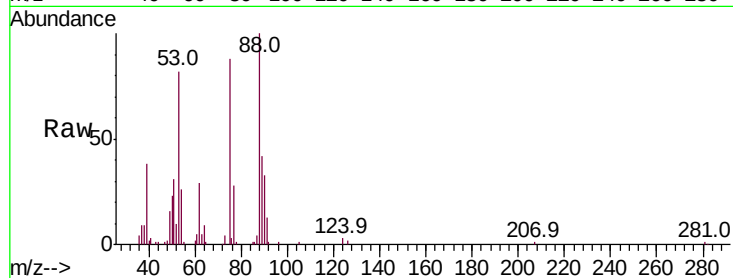
Tot Ion: 75 Resp: 49253

Ion Ratio Lower Upper

75 100

53 92.3 78.1 117.1

89 46.6 35.4 53.2



#82

4-Chlorotoluene

Concen: 50.098 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060034.D

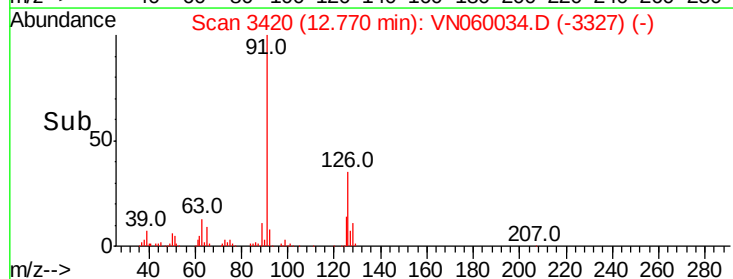
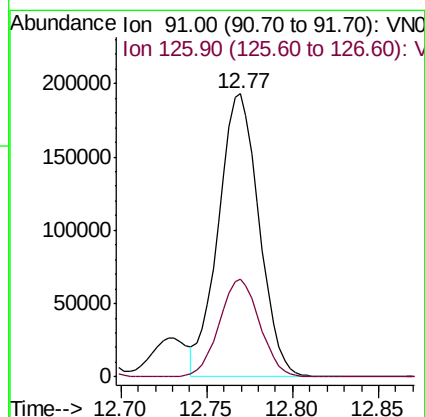
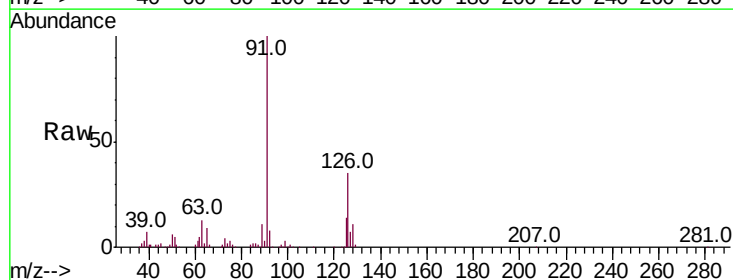
Acq: 10 Feb 2020 9:57

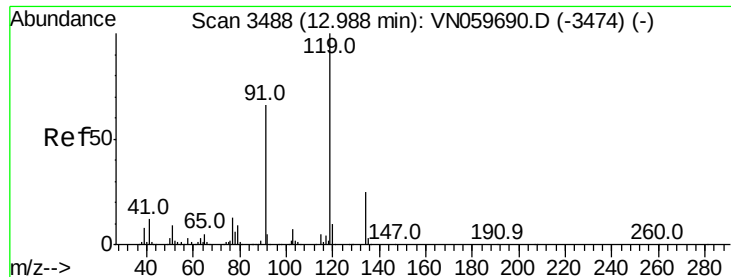
Tgt Ion: 91 Resp: 316794

Ion Ratio Lower Upper

91 100

126 34.4 16.3 48.8





#83

tert-Butylbenzene

Concen: 49.544 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

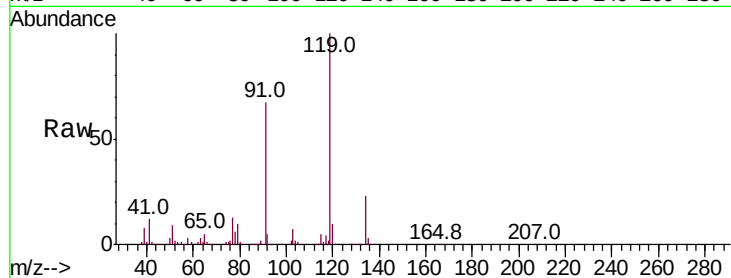
Tot Ion:119 Resp: 340255

Ion Ratio Lower Upper

119 100

91 64.9 34.8 104.4

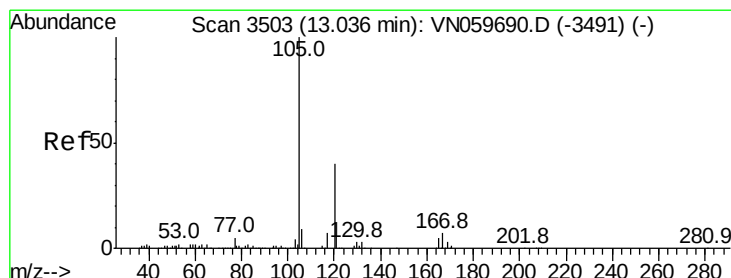
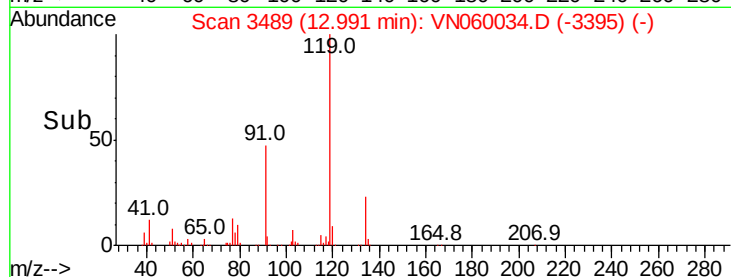
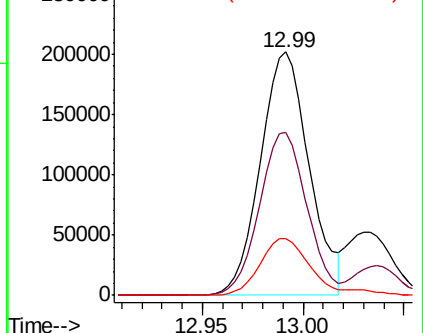
134 24.8 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.209 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060034.D

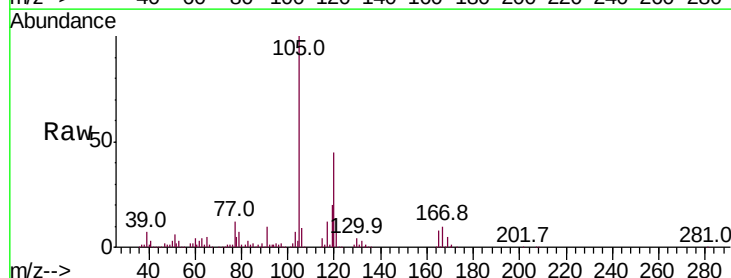
Acq: 10 Feb 2020 9:57

Tgt Ion:105 Resp: 386577

Ion Ratio Lower Upper

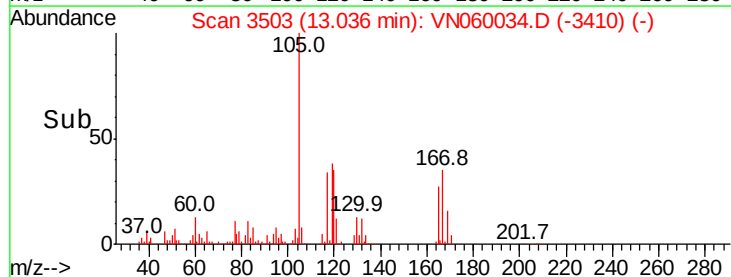
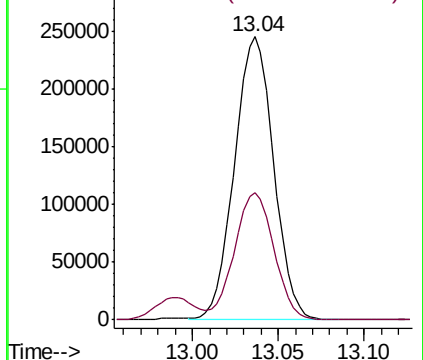
105 100

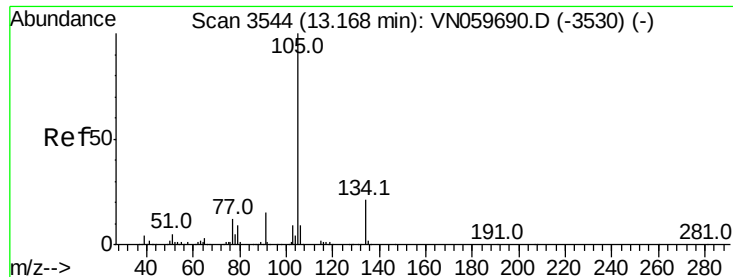
120 45.4 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.542 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

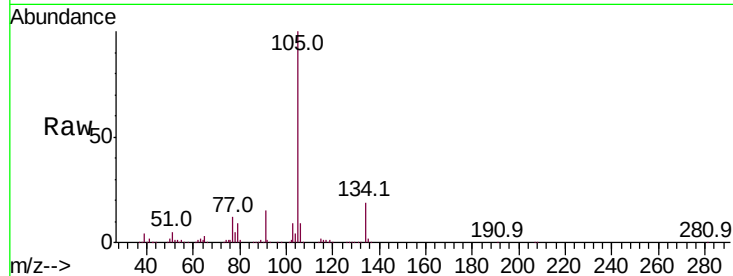
ClientSampled :

Tot Ion:105 Resp: 456048

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

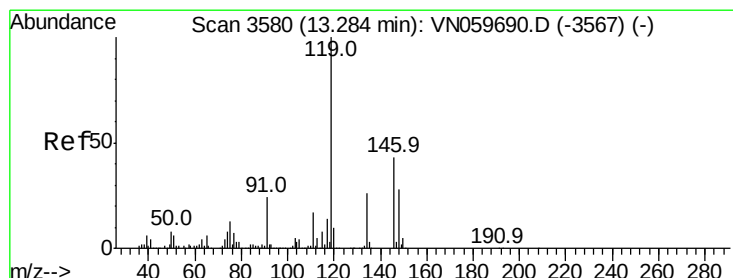
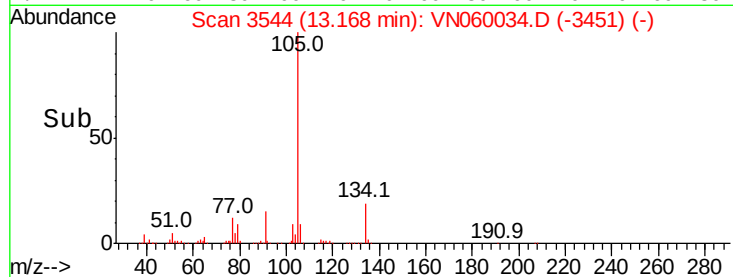
200000

100000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 49.693 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

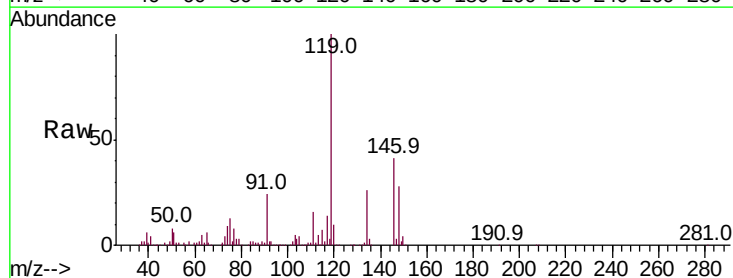
Tgt Ion:119 Resp: 414892

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 23.8 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

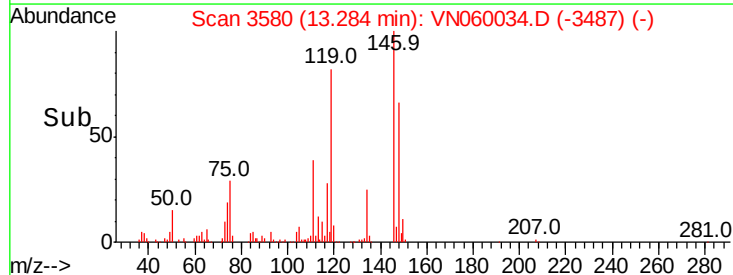
200000

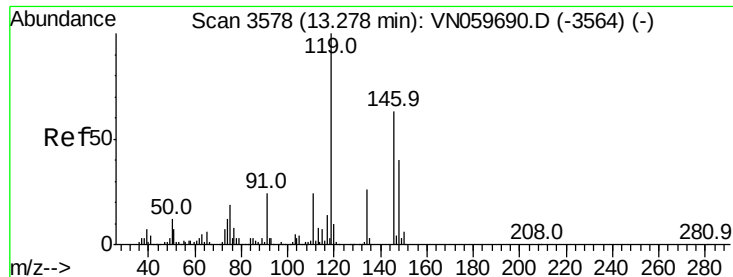
100000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.627 ug/l

RT: 13.28 min Scan# 3578

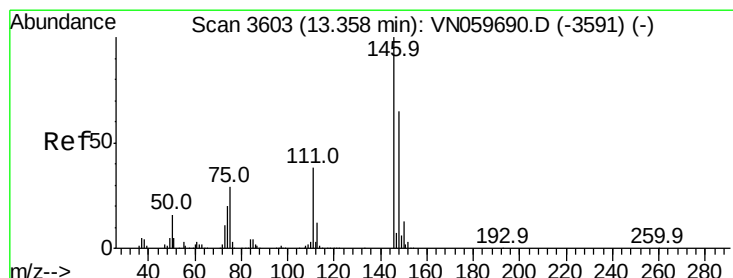
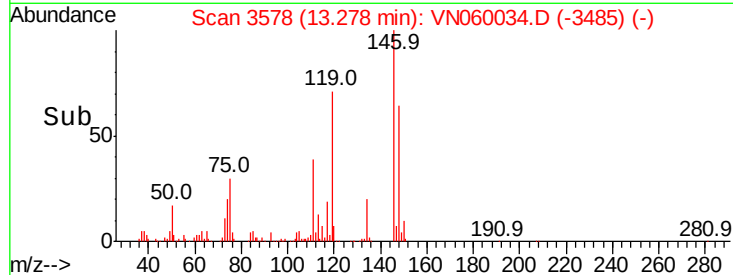
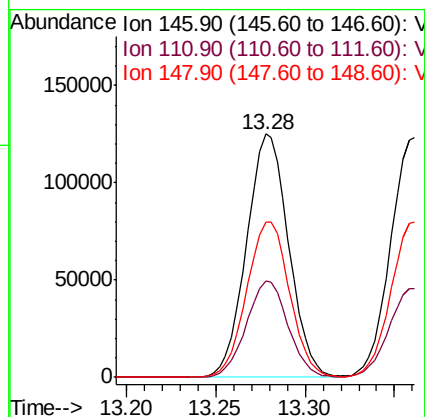
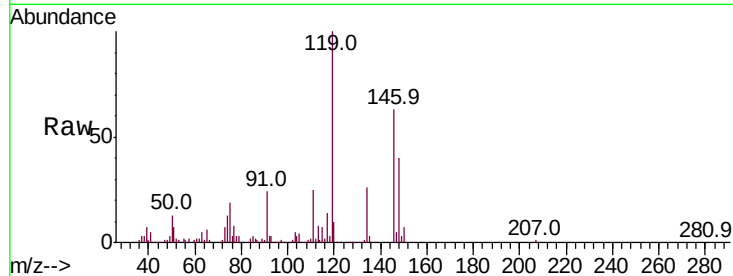
Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	65.0	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 49.745 ug/l

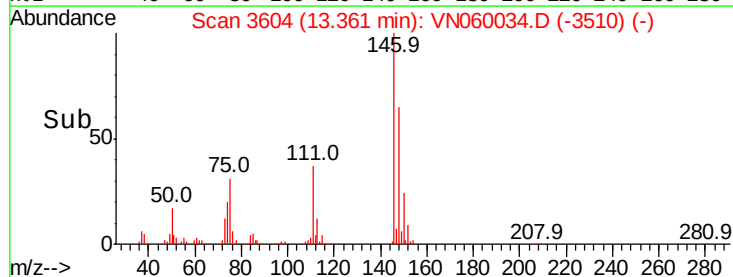
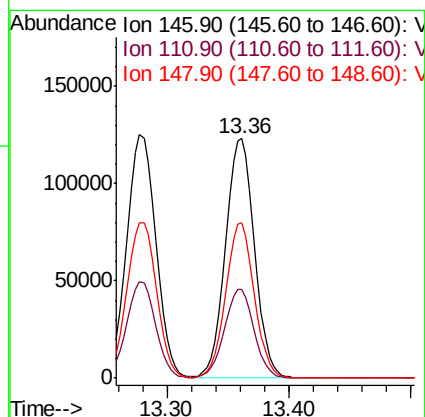
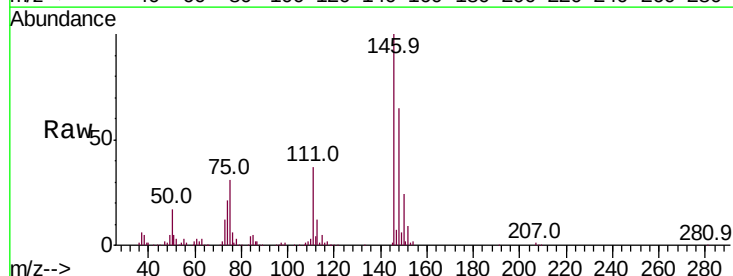
RT: 13.36 min Scan# 3604

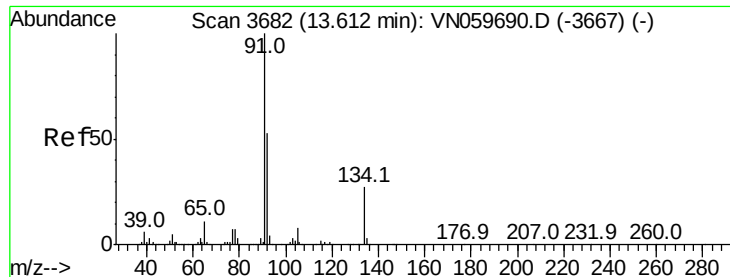
Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.8	62.2
148	63.3	31.8	95.4





#89

n-Butylbenzene

Concen: 51.933 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

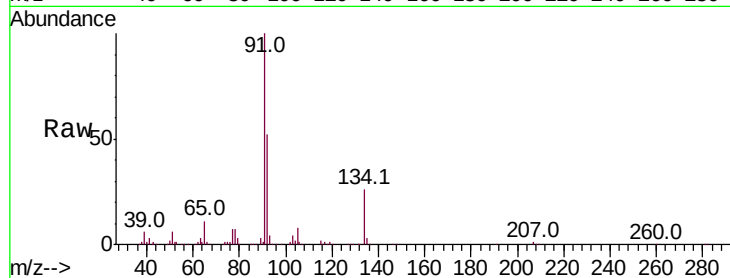
Tot Ion: 91 Resp: 369698

Ion Ratio Lower Upper

91 100

92 52.0 25.9 77.7

134 26.2 12.3 36.8

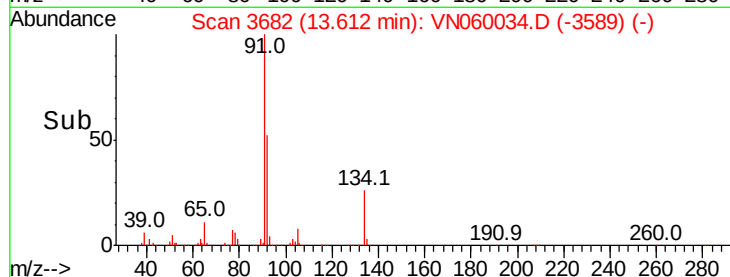


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0

Time-->

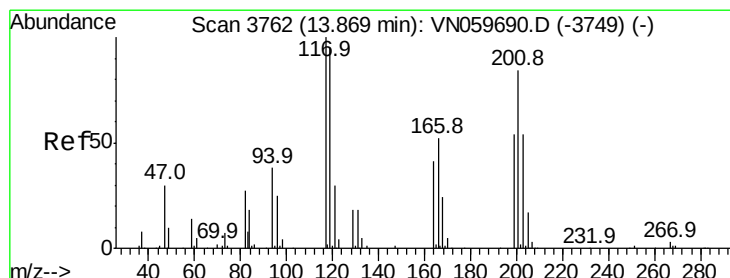


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0

Time-->



#90

Hexachloroethane

Concen: 49.974 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060034.D

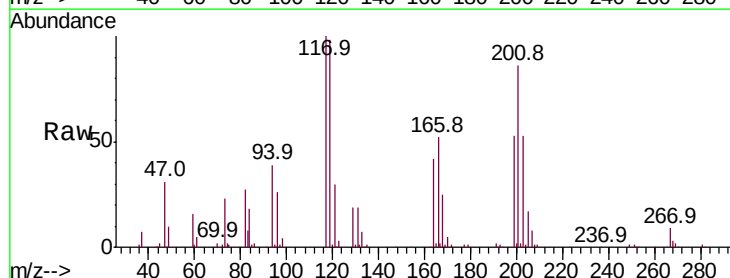
Acq: 10 Feb 2020 9:57

Tgt Ion: 117 Resp: 78064

Ion Ratio Lower Upper

117 100

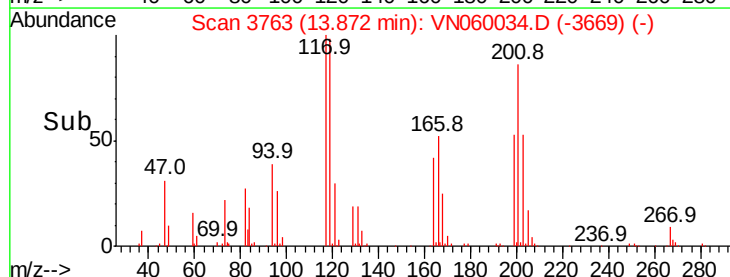
201 83.3 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN0

Ion 200.70 (200.40 to 201.40): VN0

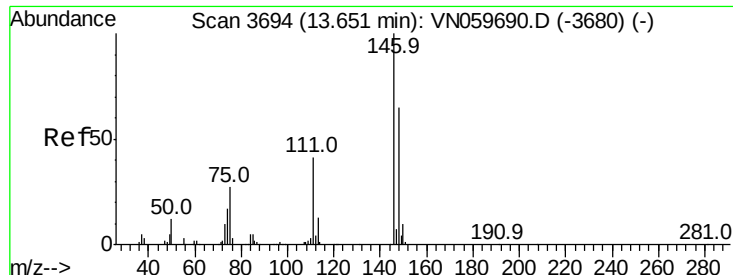
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN0

Ion 200.70 (200.40 to 201.40): VN0

Time-->



#91

1,2-Dichlorobenzene

Concen: 49.363 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060034.D

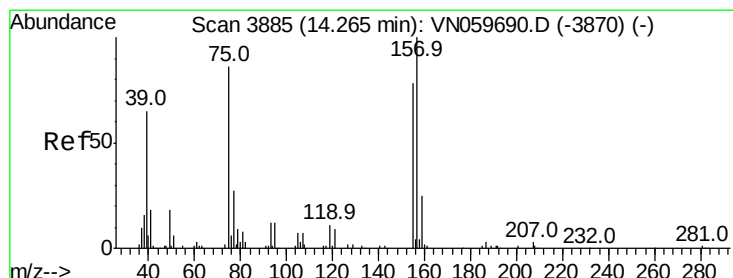
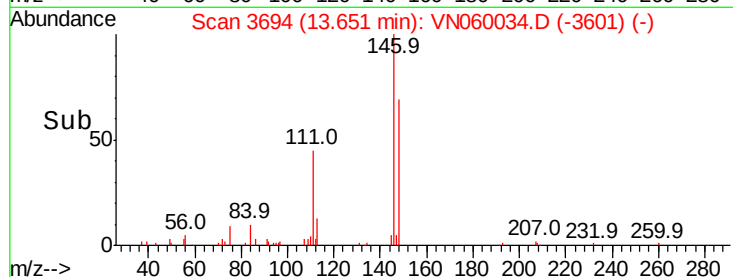
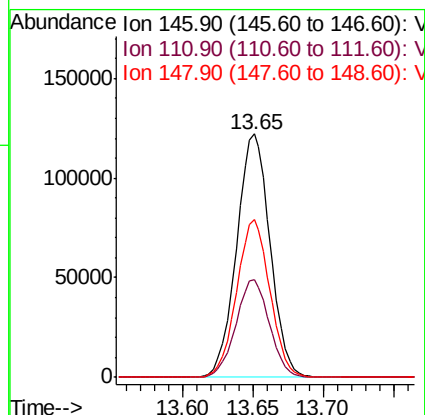
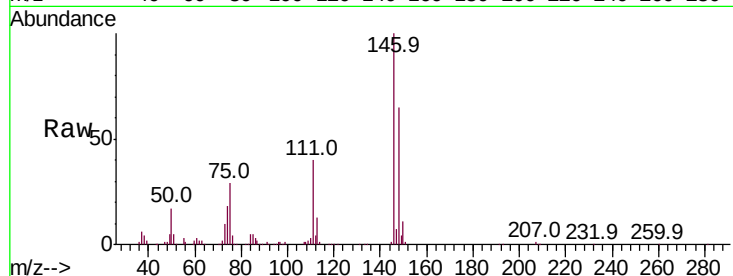
Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	202691
Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.6	64.8
148	64.6	31.6	95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.839 ug/l

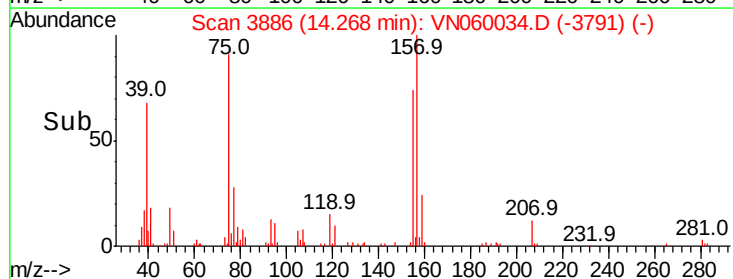
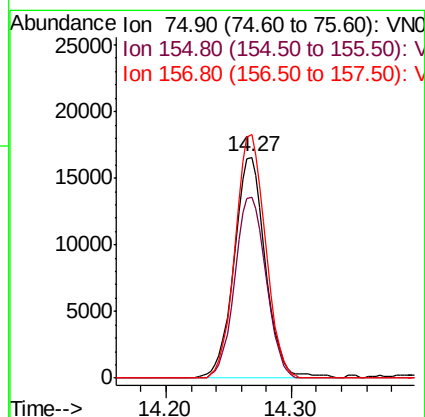
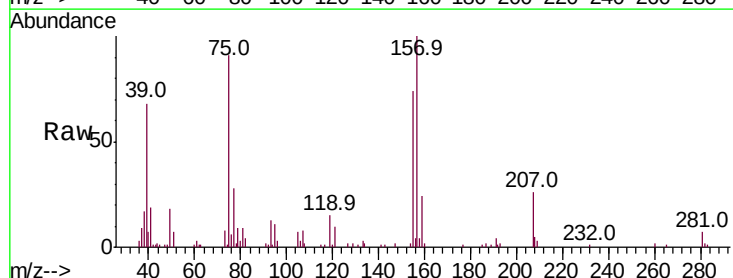
RT: 14.27 min Scan# 3886

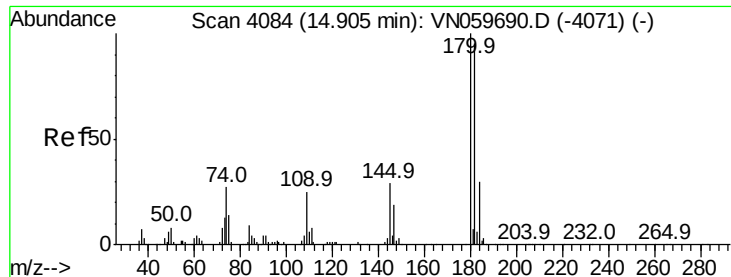
Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	75	Resp:	28722
Ion	Ratio	Lower	Upper
75	100		
155	81.7	37.0	110.9
157	106.7	48.4	145.2

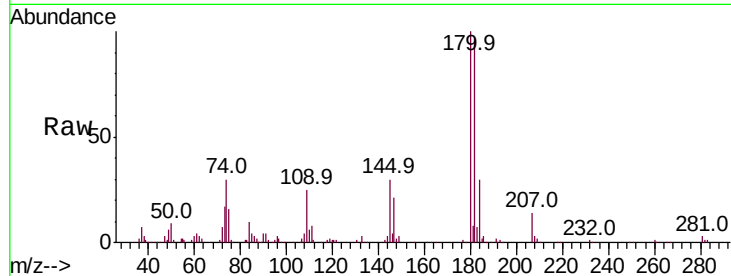




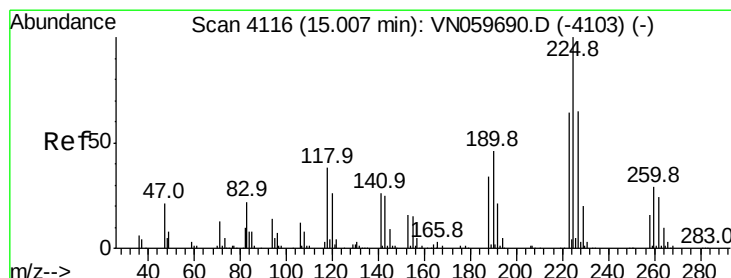
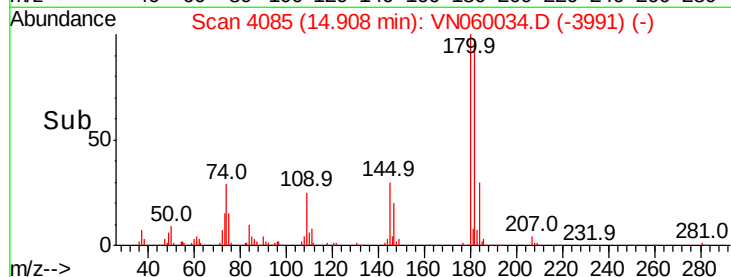
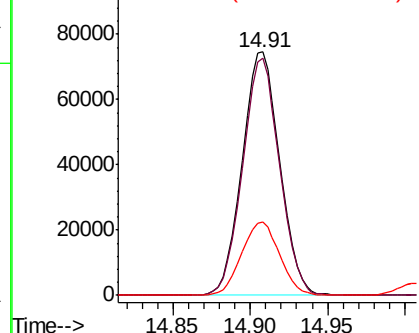
#93
 1,2,4-Trichlorobenzene
 Concen: 50.894 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	46.9	140.7
145	30.4	15.0	45.1

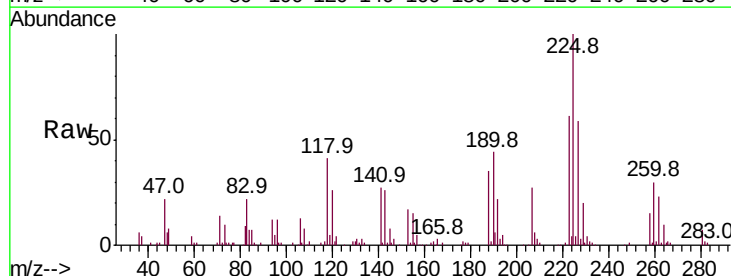


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

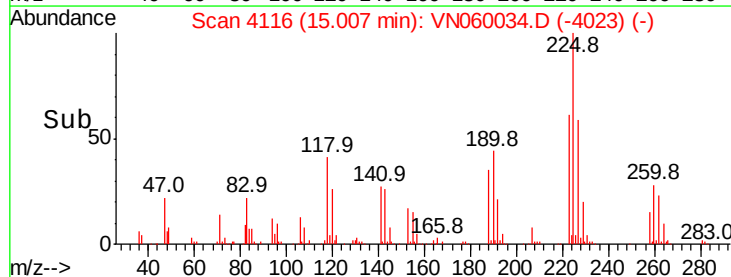
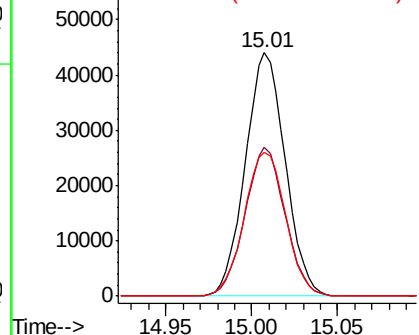


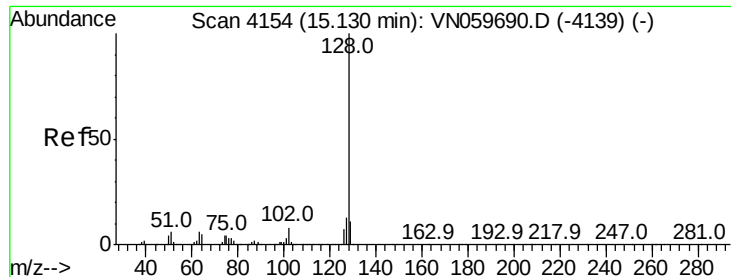
#94
 Hexachlorobutadiene
 Concen: 52.078 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.8	95.3
227	61.2	32.1	96.5



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





#95

Naphthalene

Concen: 45.684 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

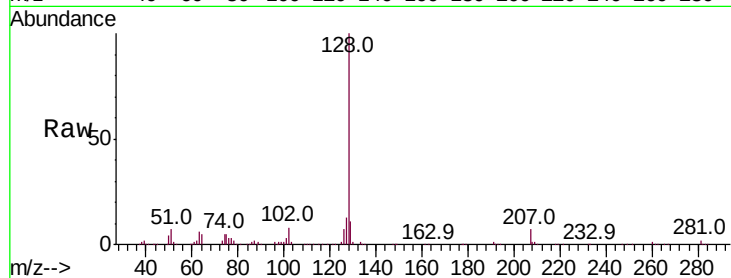
Tot Ion:128 Resp: 320606

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

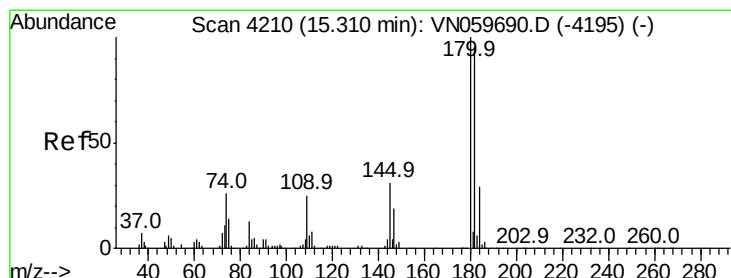
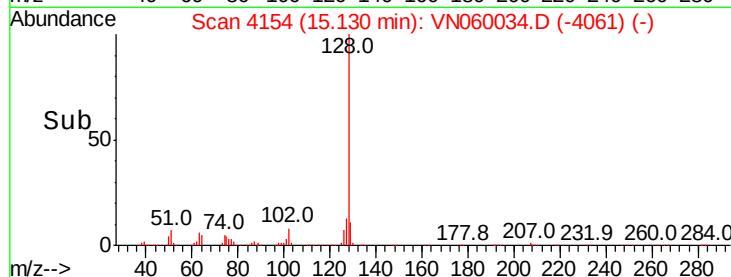
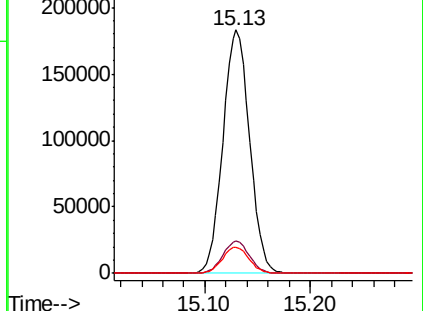
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.021 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

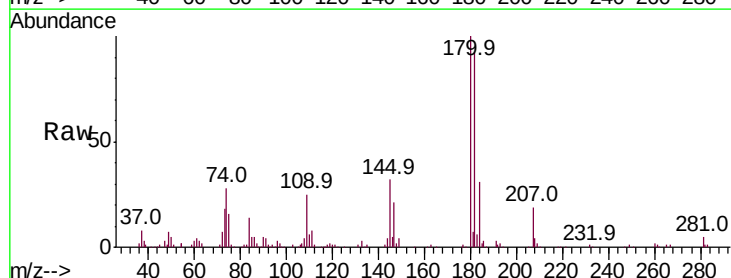
Tgt Ion:180 Resp: 120128

Ion Ratio Lower Upper

180 100

182 93.7 47.4 142.3

145 31.6 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

