

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060019.D
 Acq On : 7 Feb 2020 10:15
 Operator : JC/MD
 Sample : VN0207WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 07 23:11:03 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	178743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	280684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121333	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	108733	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
35) Dibromofluoromethane	7.56	113	89560	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
50) Toluene-d8	10.08	98	329066	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.40	95	121333	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	32698	15.152	ug/l	98
3) Chloromethane	2.04	50	34469	16.844	ug/l	97
4) Vinyl Chloride	2.17	62	45381	19.382	ug/l	100
5) Bromomethane	2.55	94	27119	18.979	ug/l	98
6) Chloroethane	2.69	64	20533	18.536	ug/l	93
7) Trichlorofluoromethane	3.00	101	53674	19.088	ug/l	99
8) Diethyl Ether	3.39	74	19602	19.864	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31821	20.333	ug/l	94
10) Methyl Iodide	3.93	142	37497	14.823	ug/l	96
11) Tert butyl alcohol	4.73	59	33158	99.227	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	29401	17.979	ug/l	90
13) Acrolein	3.58	56	10861	45.915	ug/l	100
14) Allyl chloride	4.29	41	47032	21.337	ug/l	94
15) Acrylonitrile	4.94	53	79626	104.462	ug/l	100
16) Acetone	3.78	43	92932	132.563	ug/l	100
17) Carbon Disulfide	4.03	76	67668	14.526	ug/l	97
18) Methyl Acetate	4.29	43	50147	21.628	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	111907	20.988	ug/l	94
20) Methylene Chloride	4.52	84	35004	18.681	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	32325	18.596	ug/l	90
22) Diisopropyl ether	5.91	45	105677	21.156	ug/l	92
23) Vinyl Acetate	5.86	43	388468	100.446	ug/l	96
24) 1,1-Dichloroethane	5.82	63	62113	20.351	ug/l	98
25) 2-Butanone	6.80	43	117253	104.310	ug/l	90
26) 2,2-Dichloropropane	6.79	77	60155	20.501	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	39694	19.853	ug/l	91
28) Bromochloromethane	7.17	49	24803	20.332	ug/l #	78
29) Tetrahydrofuran	7.18	42	70446	101.289	ug/l	89
30) Chloroform	7.35	83	66165	20.922	ug/l	97
31) Cyclohexane	7.63	56	51827	17.647	ug/l #	85
32) 1,1,1-Trichloroethane	7.55	97	58941	20.158	ug/l	96
36) 1,1-Dichloropropene	7.77	75	45762	18.722	ug/l	95
37) Ethyl Acetate	6.90	43	43210	18.848	ug/l	96
38) Carbon Tetrachloride	7.75	117	51729	19.455	ug/l	99

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Quant Time: Feb 07 23:11:03 2020
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 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	55150	18.299	ug/l	94
40) Benzene	8.02	78	140720	19.304	ug/l	99
41) Methacrylonitrile	7.14	41	20631	18.270	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	51995	21.037	ug/l	98
43) Isopropyl Acetate	8.14	43	78076	19.800	ug/l #	95
44) Trichloroethene	8.82	130	39365	19.781	ug/l	95
45) 1,2-Dichloropropane	9.10	63	36889	20.450	ug/l	96
46) Dibromomethane	9.19	93	25836	20.304	ug/l	93
47) Bromodichloromethane	9.39	83	53809	20.985	ug/l	99
48) Methyl methacrylate	9.18	41	34089	19.327	ug/l	92
49) 1,4-Dioxane	9.18	88	13037	403.759	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	230880	101.286	ug/l	96
52) Toluene	10.14	92	90457	19.645	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	58118	20.299	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	63141	20.959	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	37812	20.734	ug/l	98
56) Ethyl methacrylate	10.42	69	52841	18.963	ug/l	95
57) 1,3-Dichloropropane	10.70	76	61556	21.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	84080	100.176	ug/l	94
59) 2-Hexanone	10.74	43	175233	104.349	ug/l	95
60) Dibromochloromethane	10.89	129	43265	20.833	ug/l	98
61) 1,2-Dibromoethane	10.99	107	38385	20.082	ug/l	100
64) Tetrachloroethene	10.62	164	42293	20.222	ug/l	95
65) Chlorobenzene	11.43	112	99790	19.785	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39959	20.503	ug/l	99
67) Ethyl Benzene	11.50	91	177570	19.394	ug/l	98
68) m/p-Xylenes	11.62	106	133354	38.557	ug/l	93
69) o-Xylene	11.94	106	65842	19.445	ug/l	94
70) Styrene	11.96	104	104929	18.519	ug/l	97
71) Bromoform	12.12	173	31671	20.288	ug/l #	99
73) Isopropylbenzene	12.25	105	178382	20.046	ug/l	99
74) N-amyl acetate	12.07	43	64672	18.730	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	52799	20.467	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	70827	34.687	ug/l #	100
77) Bromobenzene	12.52	156	44665	19.821	ug/l	84
78) n-propylbenzene	12.59	91	196644	19.689	ug/l	98
79) 2-Chlorotoluene	12.67	91	118275	19.906	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	148966	19.906	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	18608	19.570	ug/l	98
82) 4-Chlorotoluene	12.77	91	120347	20.194	ug/l	98
83) tert-Butylbenzene	12.99	119	129817	20.057	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	147978	19.987	ug/l	99
85) sec-Butylbenzene	13.17	105	170266	20.022	ug/l	99
86) p-Isopropyltoluene	13.29	119	156797	19.927	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	76548	19.556	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	76102	19.489	ug/l	99
89) n-Butylbenzene	13.61	91	132845	19.801	ug/l	99
90) Hexachloroethane	13.87	117	28929	19.650	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	77930	20.138	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11480	19.458	ug/l	91

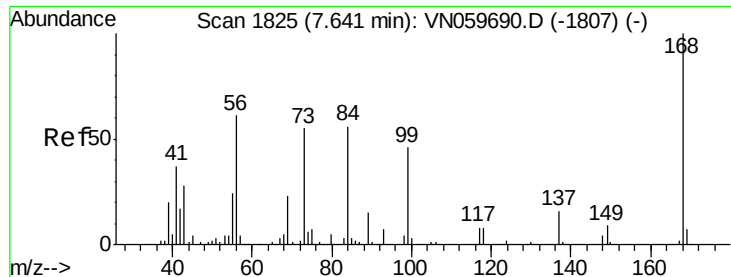
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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45784	19.690	ug/l	99
94) Hexachlorobutadiene	15.01	225	25430	19.846	ug/l	99
95) Naphthalene	15.13	128	123380	18.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46064	20.352	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

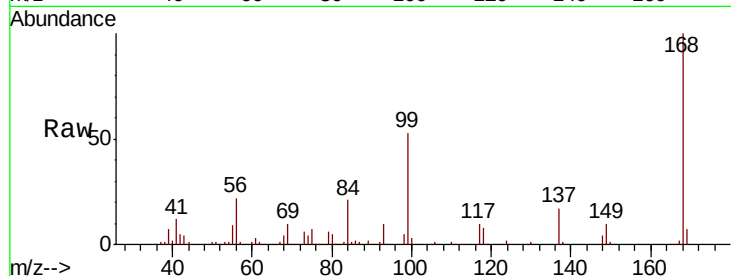
ClientSampled :

Tot Ion:168 Resp: 178743

Ion Ratio Lower Upper

168 100

99 52.6 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

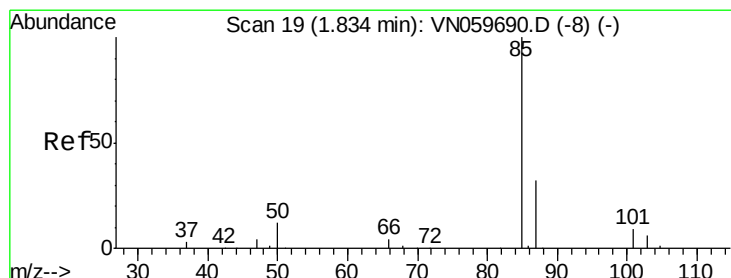
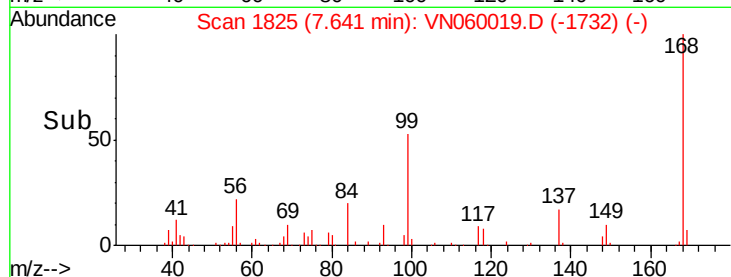
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.152 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060019.D

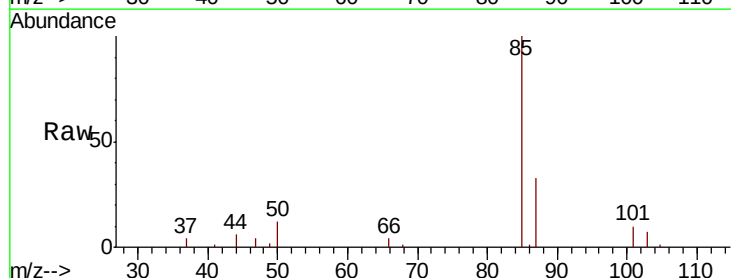
Acq: 7 Feb 2020 10:15

Tgt Ion: 85 Resp: 32698

Ion Ratio Lower Upper

85 100

87 33.1 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

25000

20000

15000

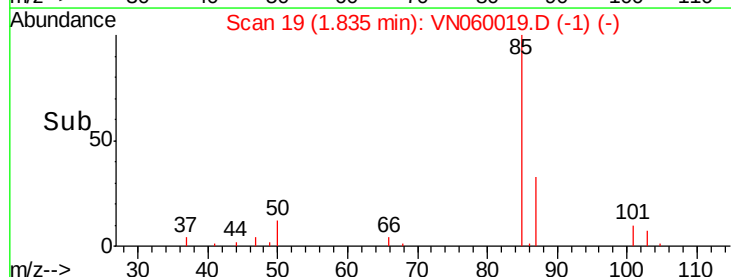
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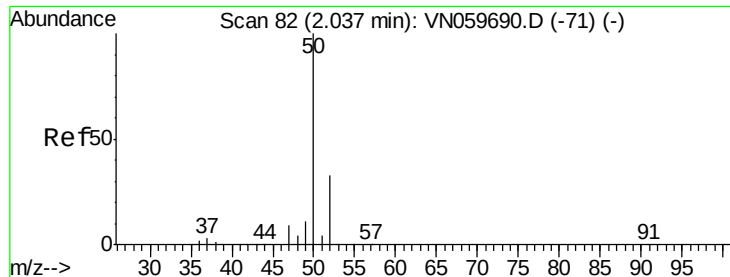
5000

0

1.80 1.85 1.90

Time-->

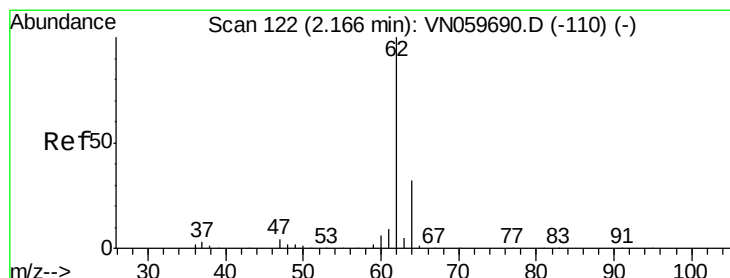
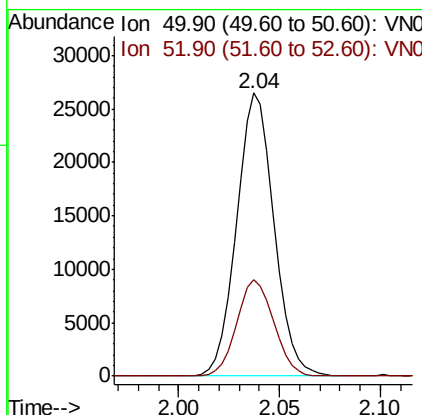
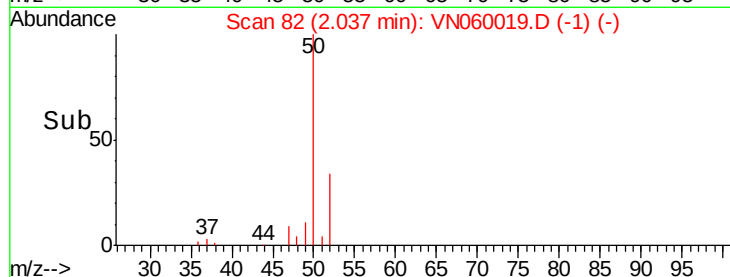
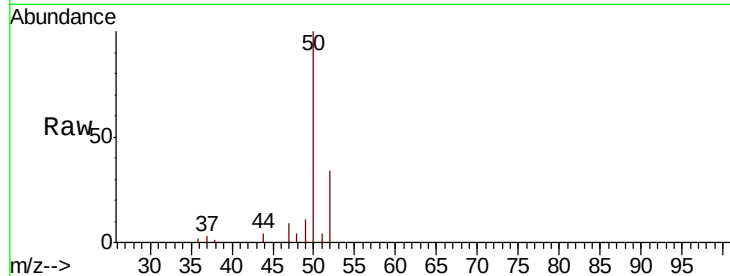




#3
Chloromethane
Concen: 16.844 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

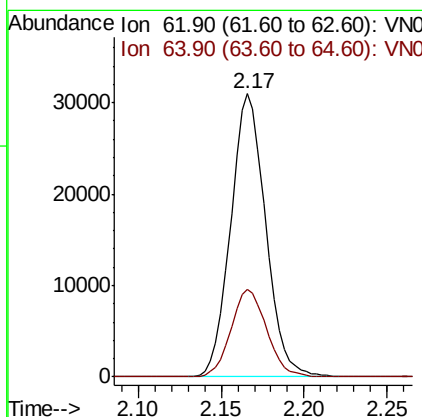
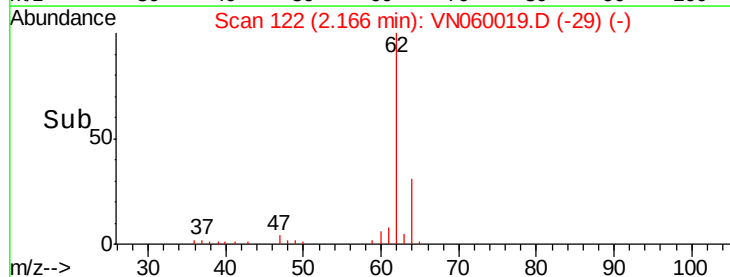
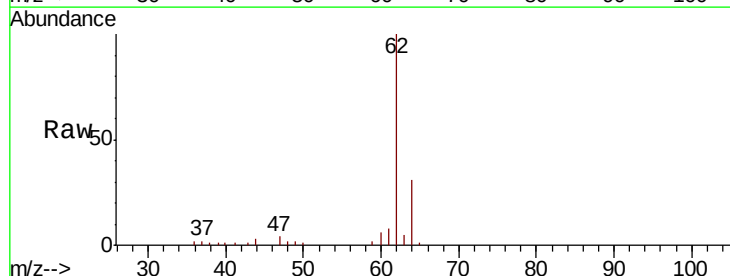
Instrument :
MSVOA_N
ClientSampled :

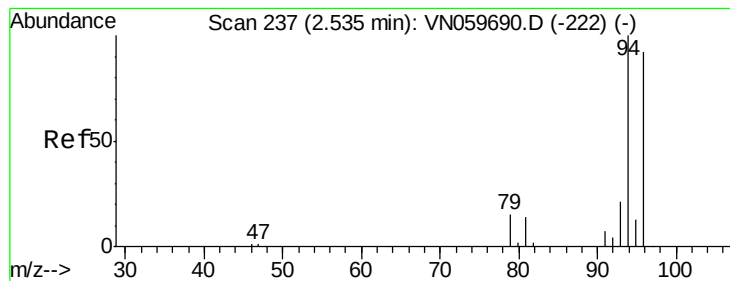
Tot Ion: 50 Resp: 34469
Ion Ratio Lower Upper
50 100
52 34.0 25.9 38.9



#4
Vinyl Chloride
Concen: 19.382 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 62 Resp: 45381
Ion Ratio Lower Upper
62 100
64 30.8 24.6 37.0





#5

Bromomethane

Concen: 18.979 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

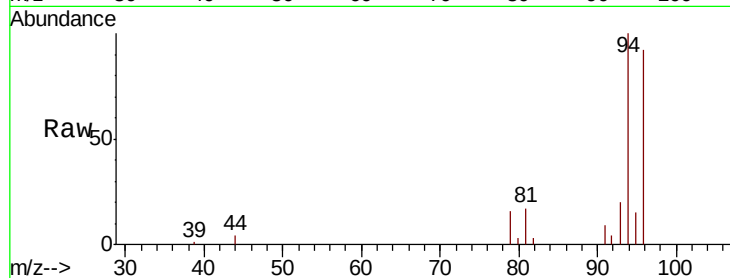
ClientSampled :

Tot Ion: 94 Resp: 27119

Ion Ratio Lower Upper

94 100

96 91.9 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

15000

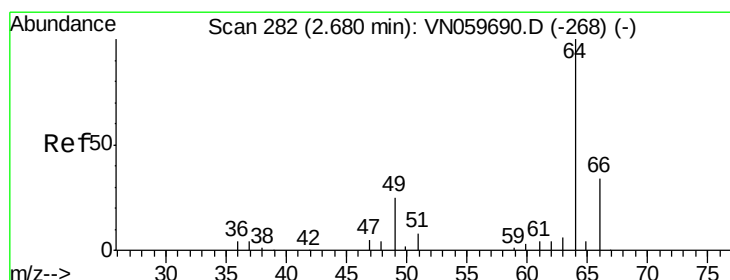
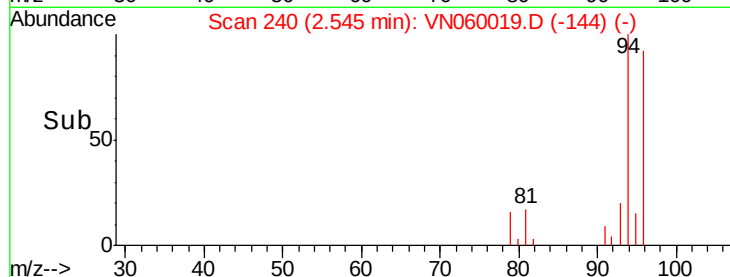
10000

5000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 18.536 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN060019.D

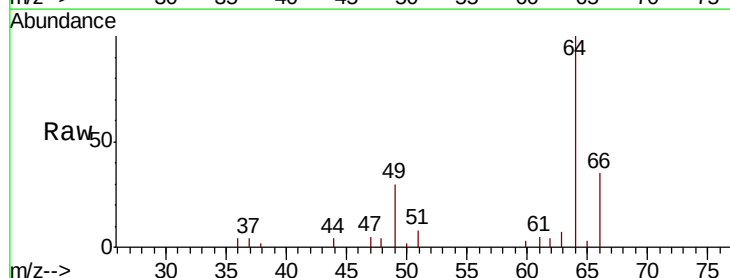
Acq: 7 Feb 2020 10:15

Tgt Ion: 64 Resp: 20533

Ion Ratio Lower Upper

64 100

66 35.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

10000

8000

6000

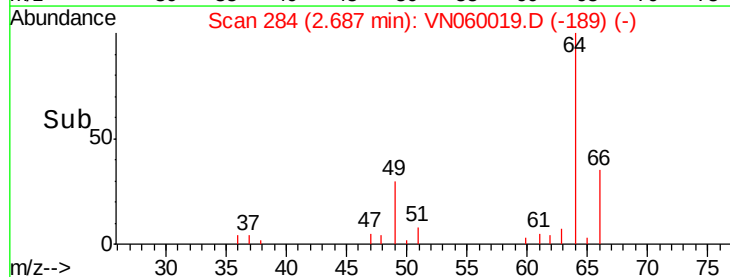
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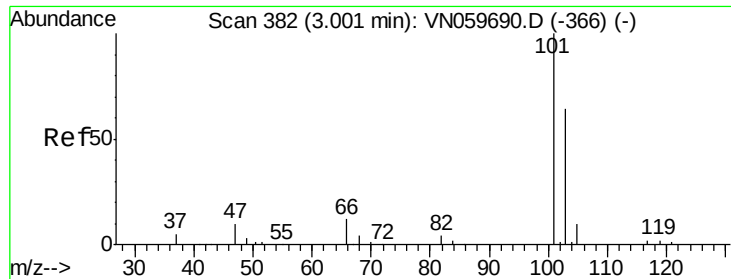
2000

0

Time-->

2.60 2.65 2.70 2.75



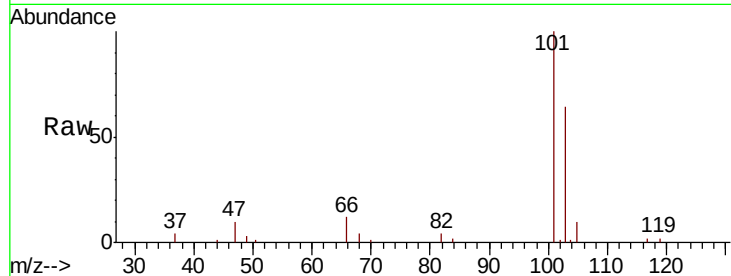


#7

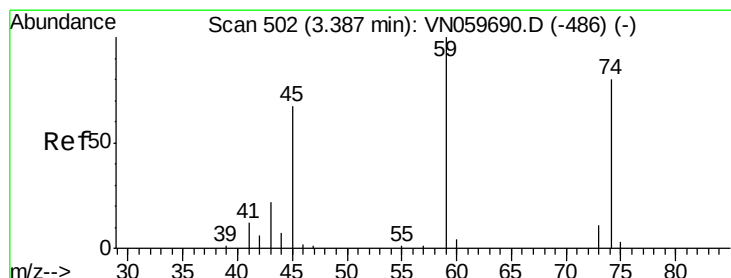
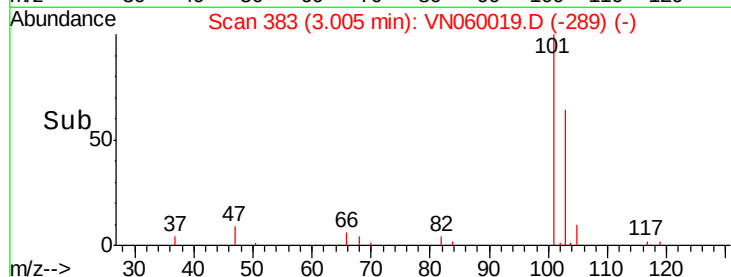
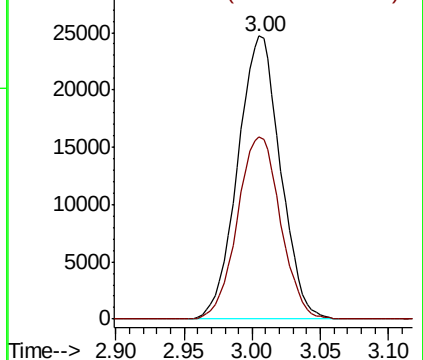
Trichlorofluoromethane
Concen: 19.088 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 53674
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6



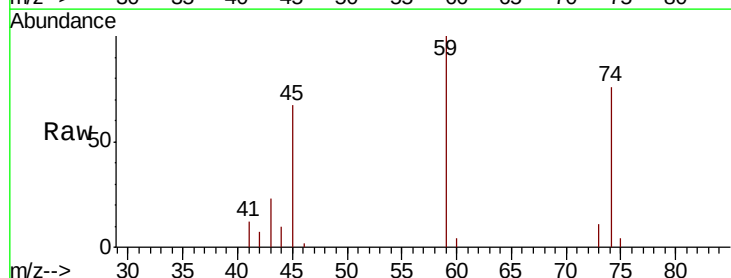
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



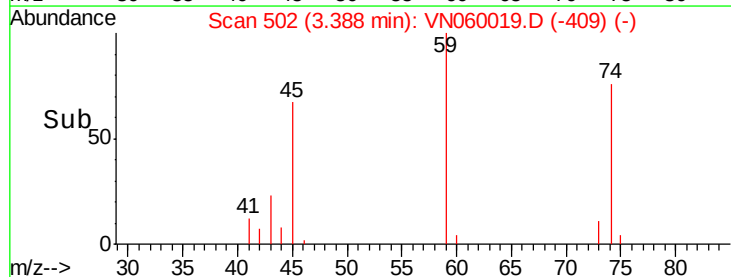
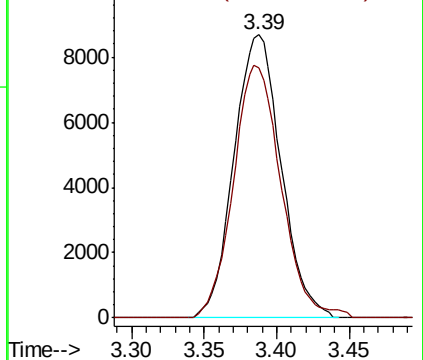
#8

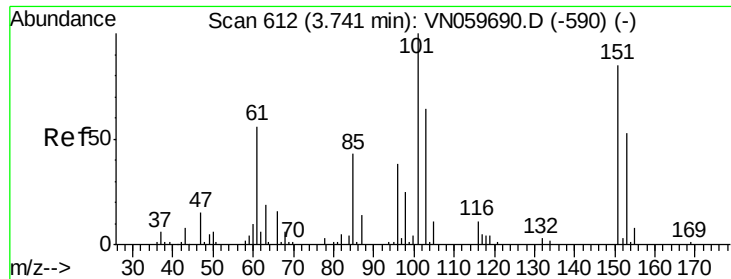
Diethyl Ether
Concen: 19.864 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 74 Resp: 19602
Ion Ratio Lower Upper
74 100
45 90.2 51.9 155.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.333 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampled :

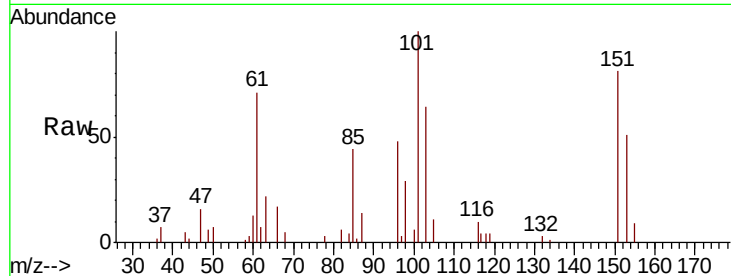
Tot Ion:101 Resp: 31821

Ion Ratio Lower Upper

101 100

85 43.6 36.6 54.8

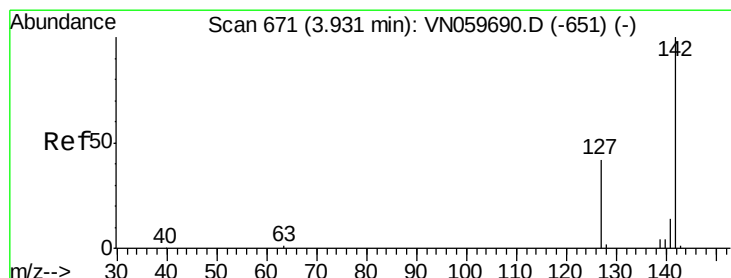
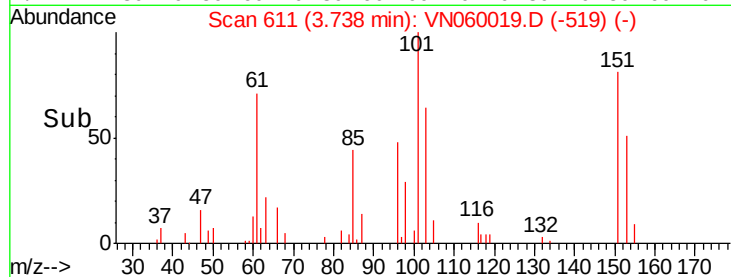
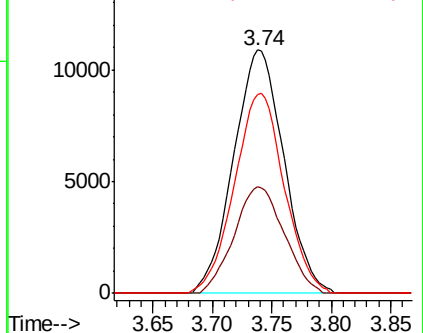
151 81.5 59.7 89.5



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: 14.823 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

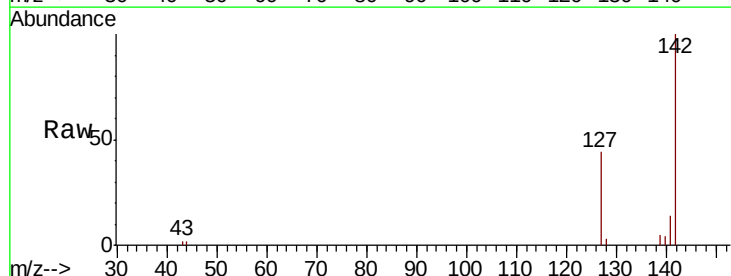
Tgt Ion:142 Resp: 37497

Ion Ratio Lower Upper

142 100

127 42.2 36.7 55.1

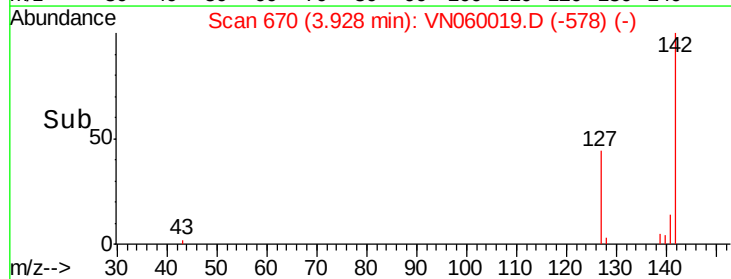
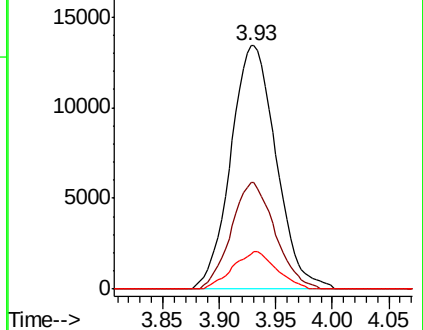
141 14.8 11.7 17.5

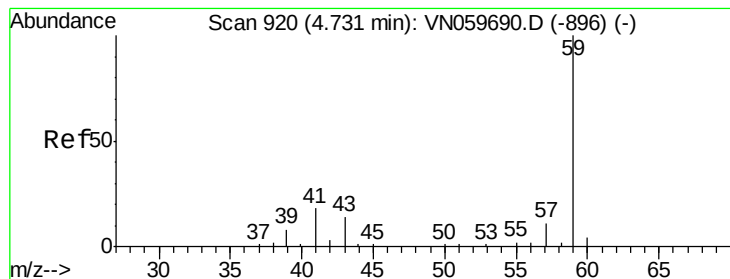


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



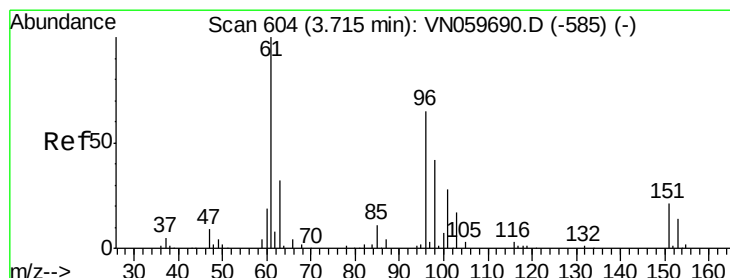
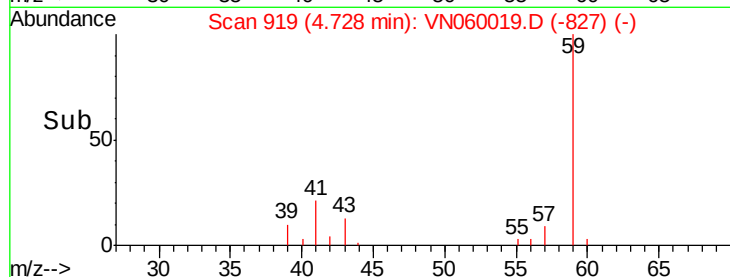
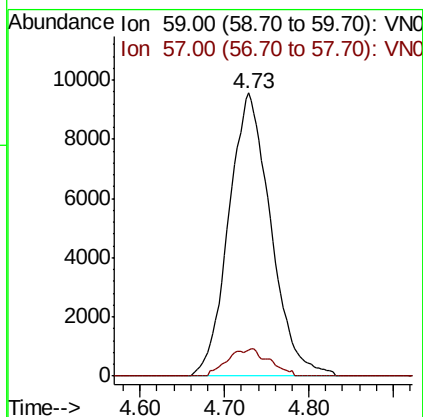
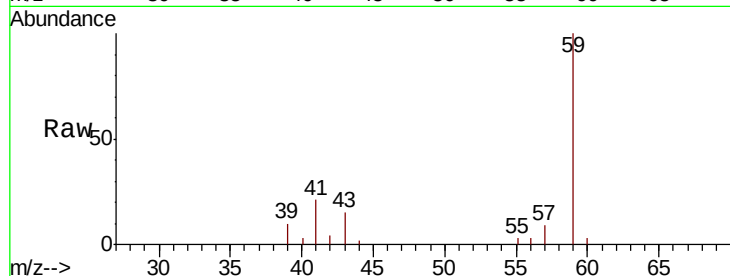


#11

Tert butyl alcohol
 Concen: 99.227 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampled :

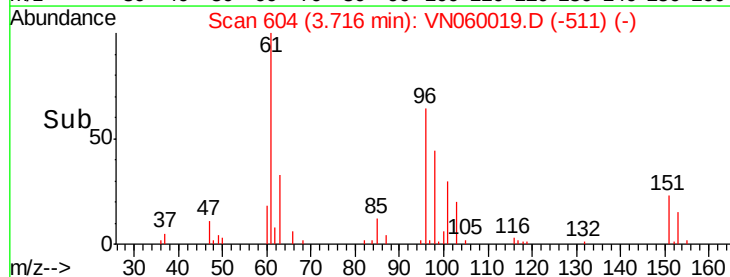
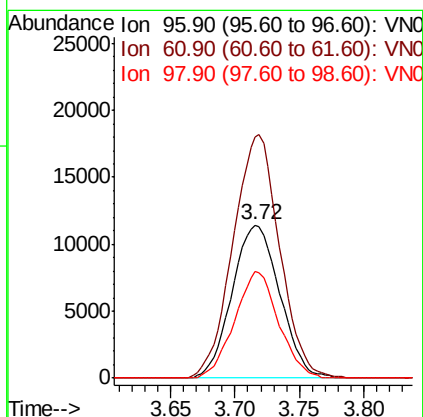
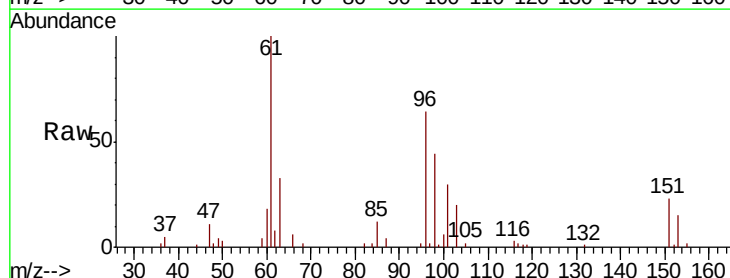
Tot Ion: 59 Resp: 33158
 Ion Ratio Lower Upper
 59 100
 57 4.0 8.6 12.8#

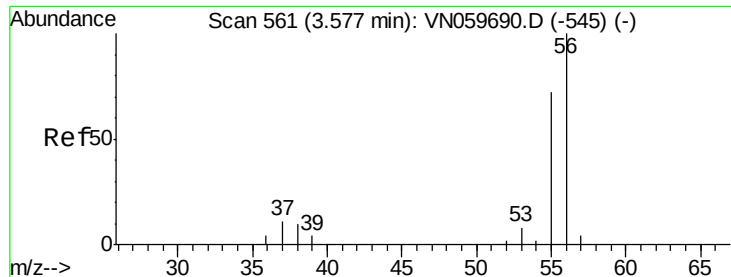


#12

1,1-Dichloroethene
 Concen: 17.979 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion: 96 Resp: 29401
 Ion Ratio Lower Upper
 96 100
 61 157.5 137.5 206.3
 98 69.5 50.2 75.4





#13

Acrolein

Concen: 45.915 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

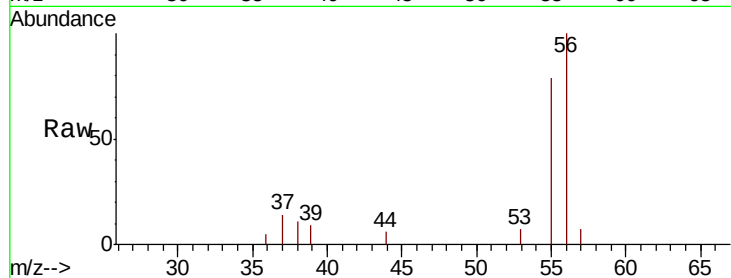
ClientSampled :

Tot Ion: 56 Resp: 10861

Ion Ratio Lower Upper

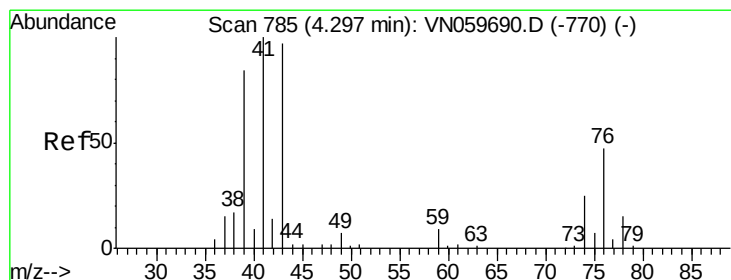
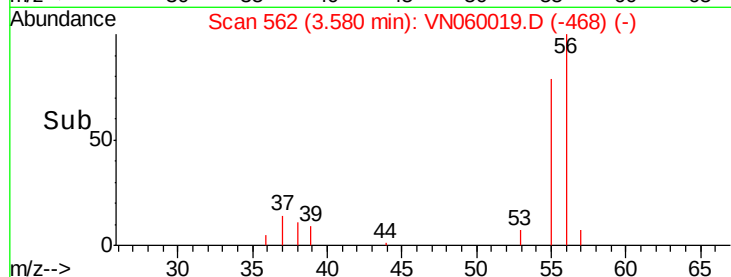
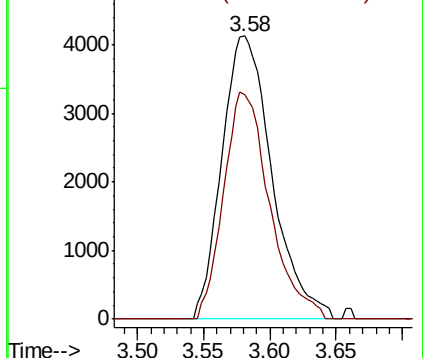
56 100

55 73.4 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.337 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

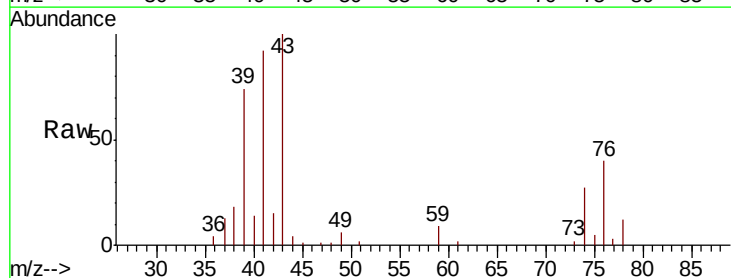
Tgt Ion: 41 Resp: 47032

Ion Ratio Lower Upper

41 100

39 75.2 57.8 86.8

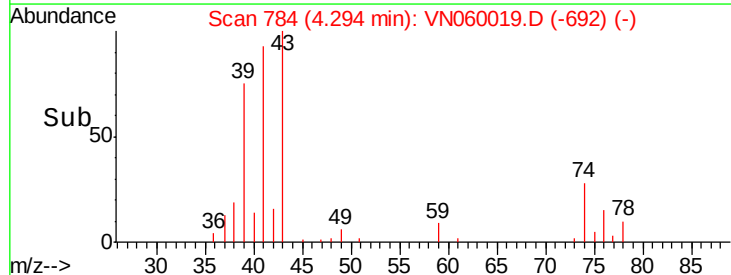
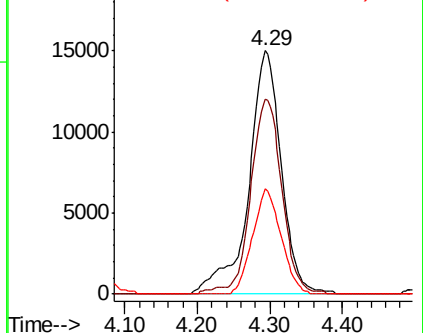
76 37.6 25.4 38.0

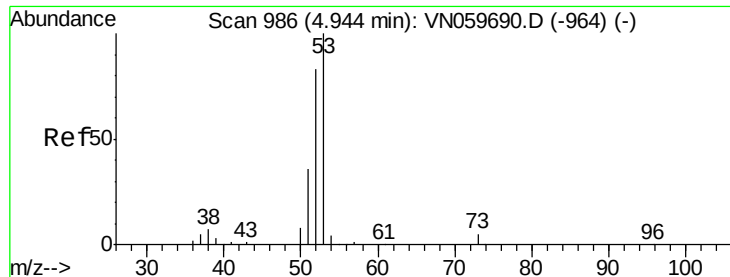


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.462 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

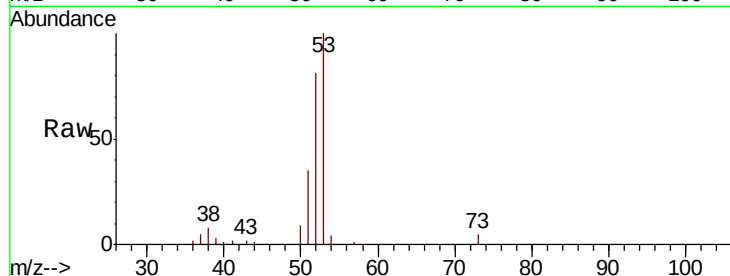
Tot Ion: 53 Resp: 79626

Ion Ratio Lower Upper

53 100

52 83.2 66.3 99.5

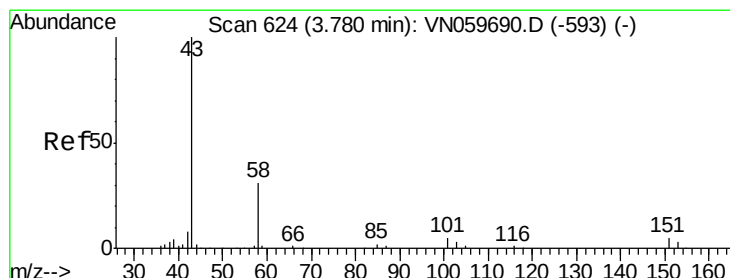
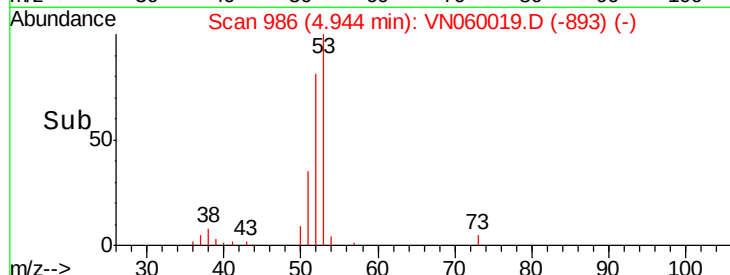
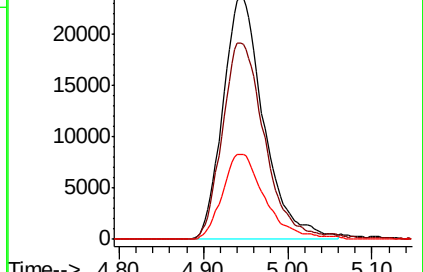
51 36.8 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN060019.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060019.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060019.D (-893) (-)



#16

Acetone

Concen: 132.563 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060019.D

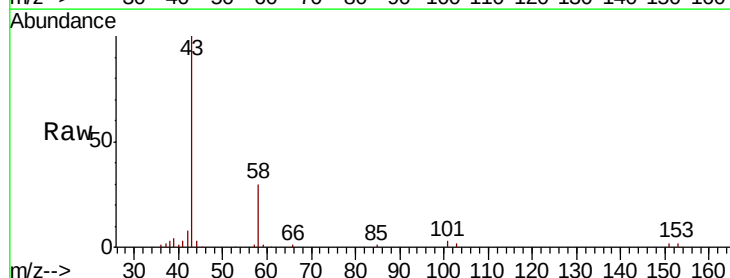
Acq: 7 Feb 2020 10:15

Tgt Ion: 43 Resp: 92932

Ion Ratio Lower Upper

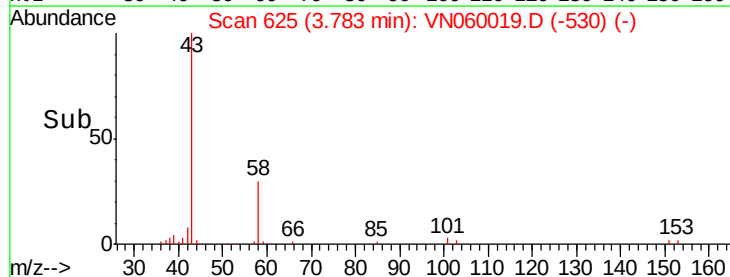
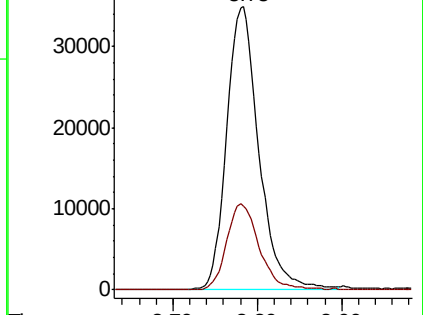
43 100

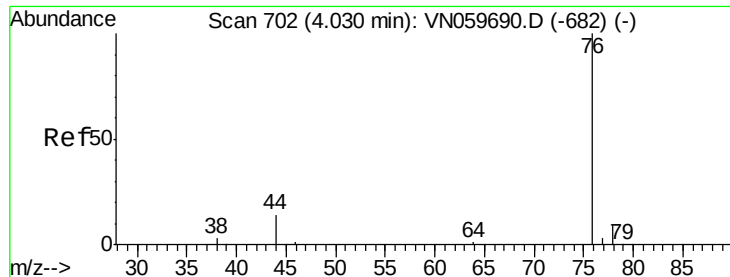
58 29.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN060019.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN060019.D (-530) (-)

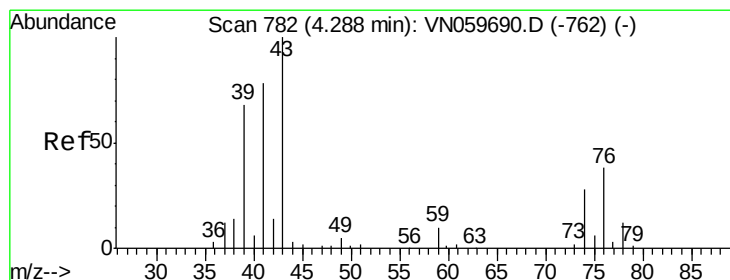
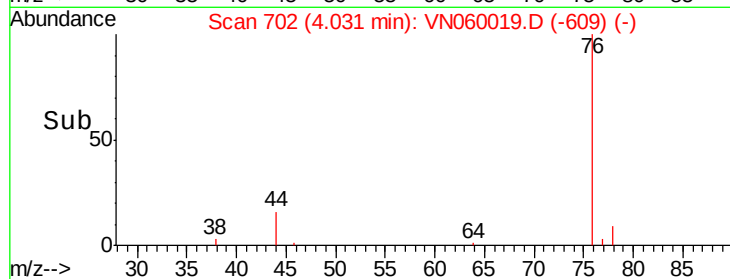
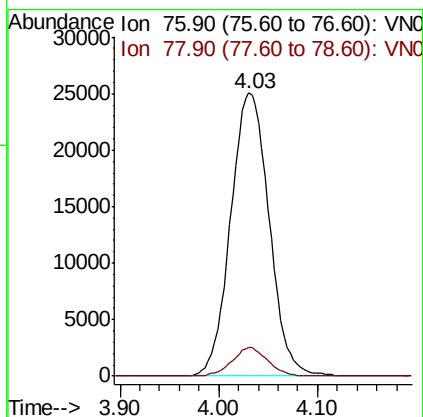
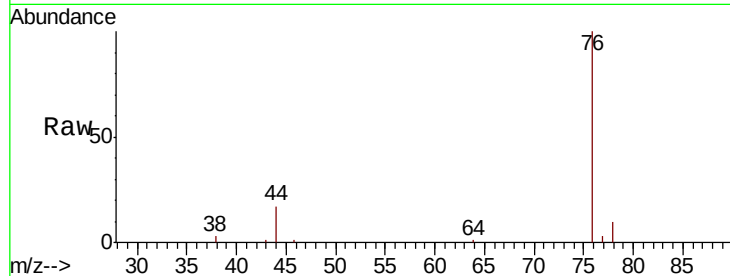




#17
Carbon Disulfide
Concen: 14.526 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

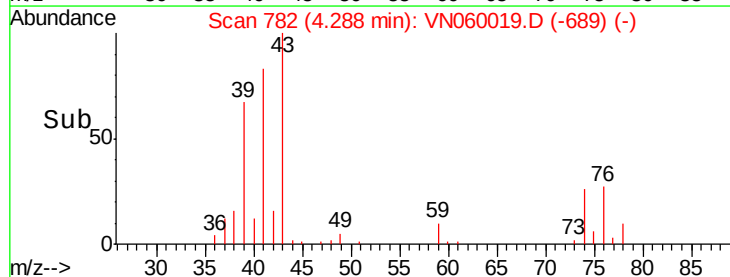
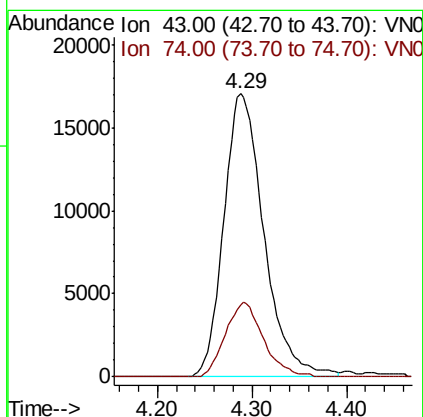
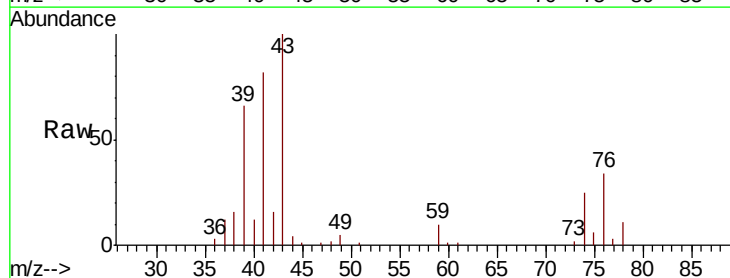
Instrument :
MSVOA_N
ClientSampled :

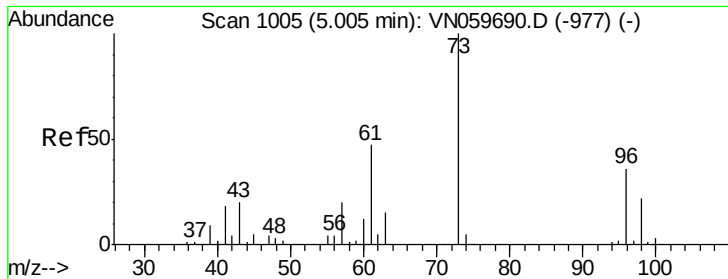
Tot Ion: 76 Resp: 67668
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.0



#18
Methyl Acetate
Concen: 21.628 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 43 Resp: 50147
Ion Ratio Lower Upper
43 100
74 25.0 17.5 26.3

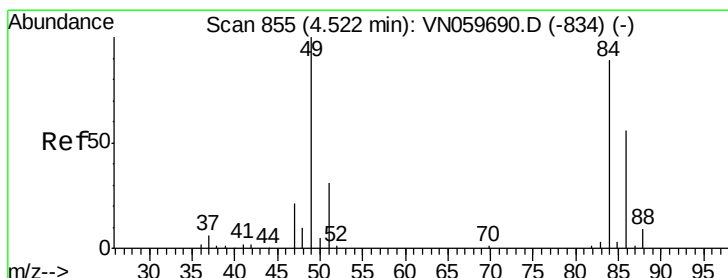
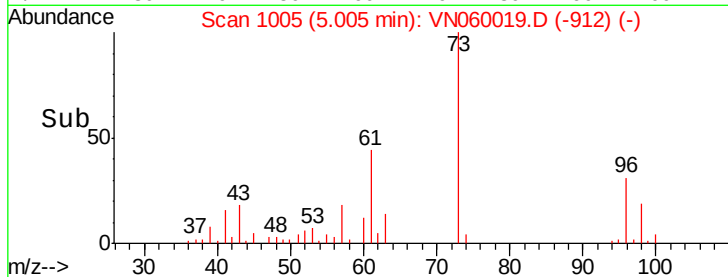
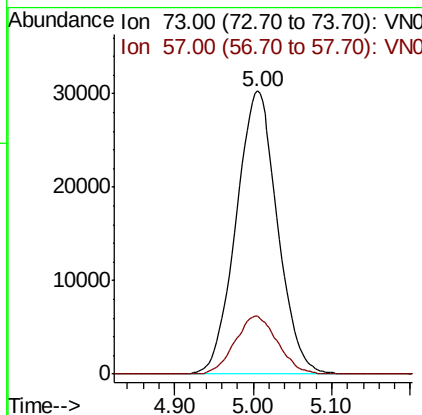
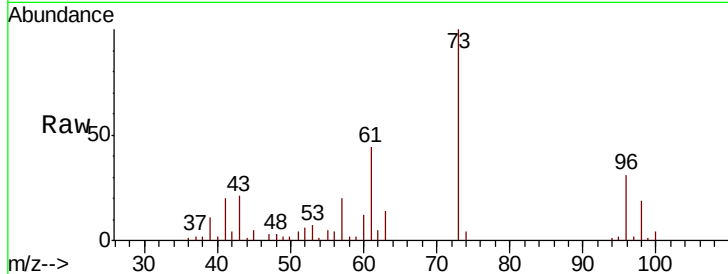




#19
Methyl tert-butyl Ether
Concen: 20.988 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

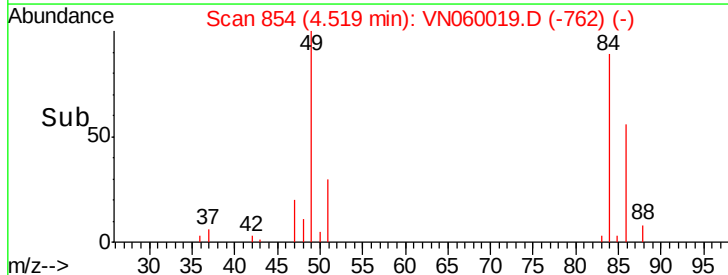
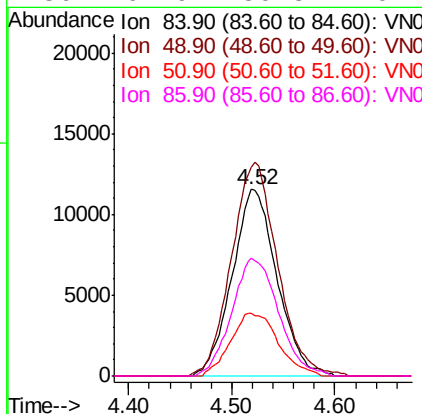
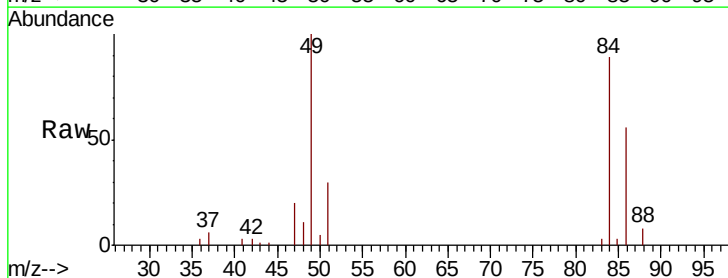
Instrument :
MSVOA_N
ClientSampled :

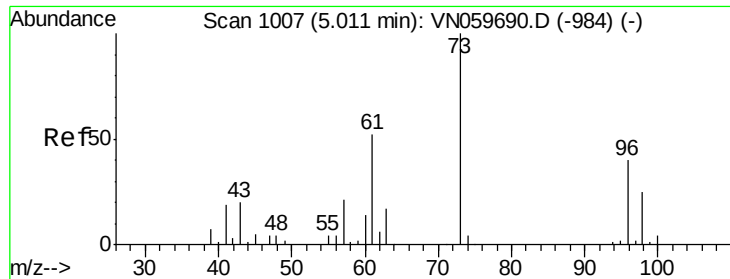
Tot Ion: 73 Resp: 111907
Ion Ratio Lower Upper
73 100
57 20.4 18.6 27.8



#20
Methylene Chloride
Concen: 18.681 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 84 Resp: 35004
Ion Ratio Lower Upper
84 100
49 112.0 106.6 160.0
51 33.3 31.9 47.9
86 62.9 50.8 76.2

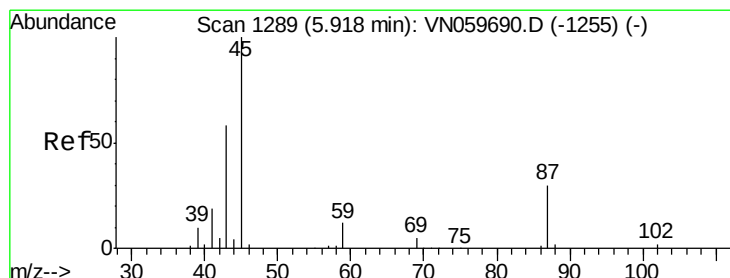
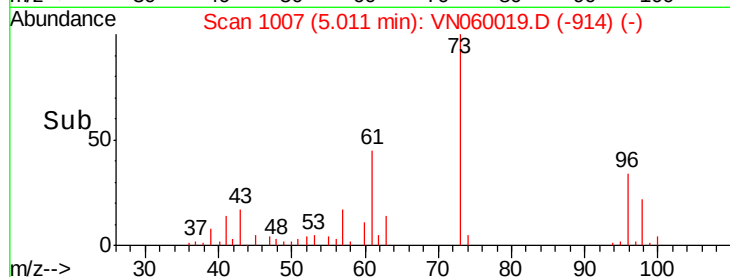
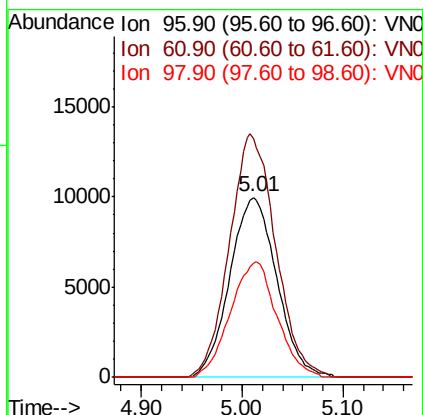
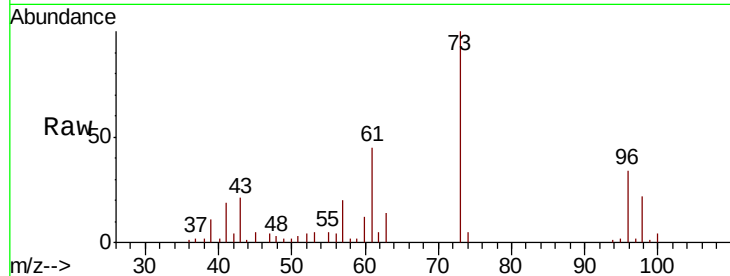




#21
trans-1,2-Dichloroethene
Concen: 18.596 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

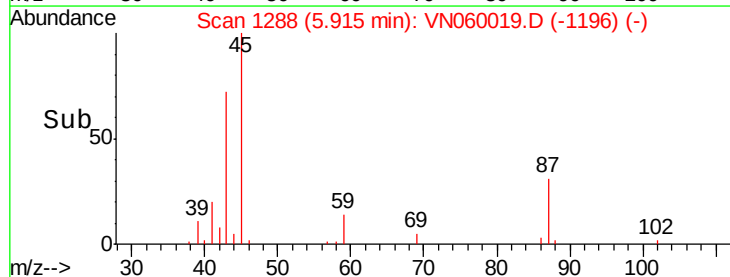
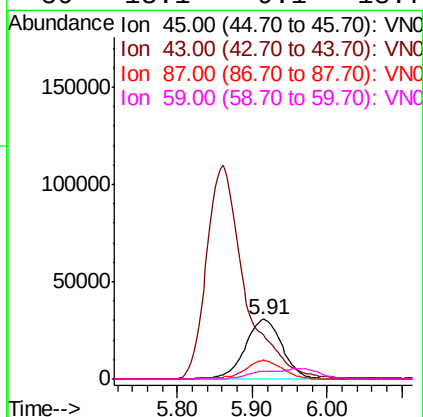
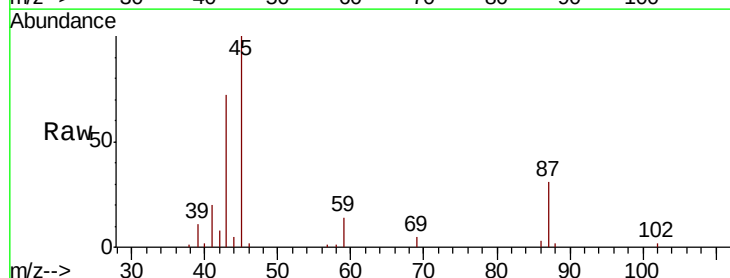
Instrument :
MSVOA_N
ClientSampleId :

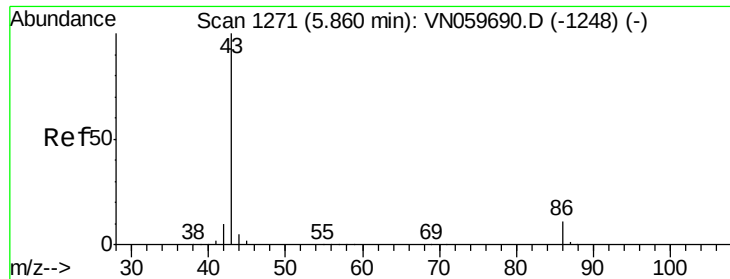
Tot Ion: 96 Resp: 32325
Ion Ratio Lower Upper
96 100
61 132.6 120.4 180.6
98 63.3 50.6 75.8



#22
Diisopropyl ether
Concen: 21.156 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 45 Resp: 105677
Ion Ratio Lower Upper
45 100
43 70.2 50.8 76.2
87 31.1 21.0 31.6
59 13.1 9.1 13.7

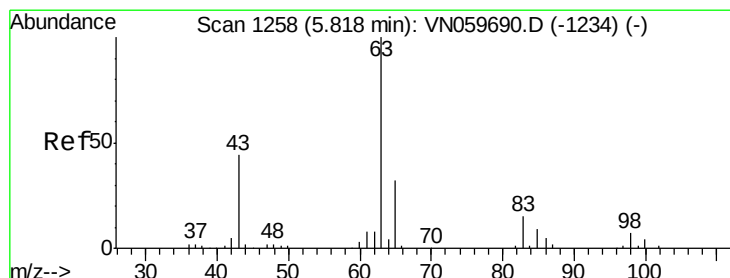
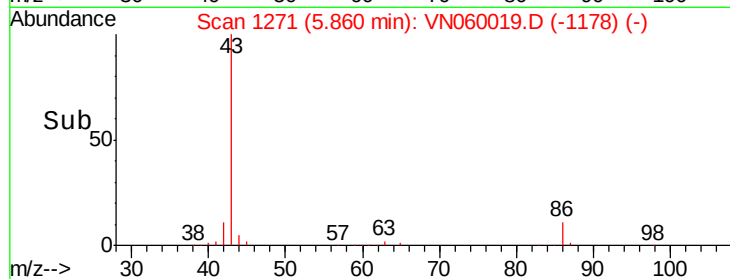
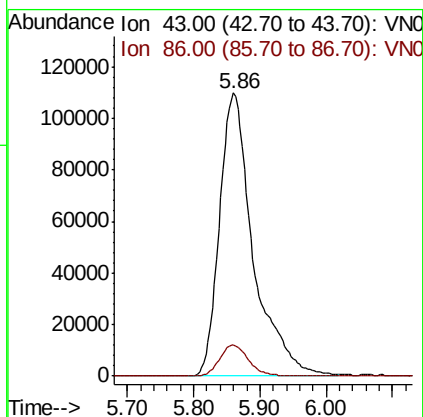
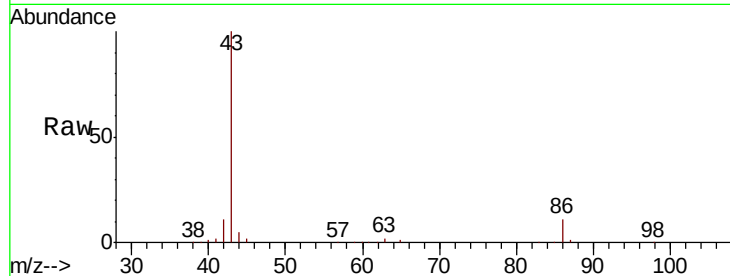




#23
 Vinyl Acetate
 Concen: 100.446 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

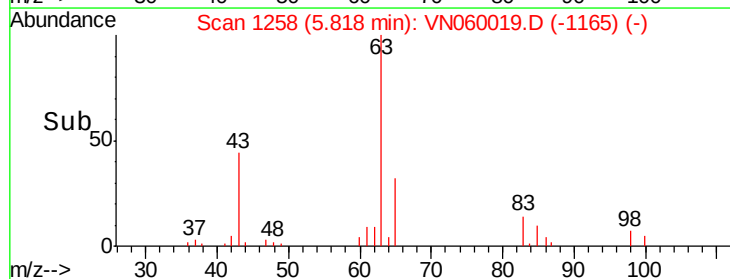
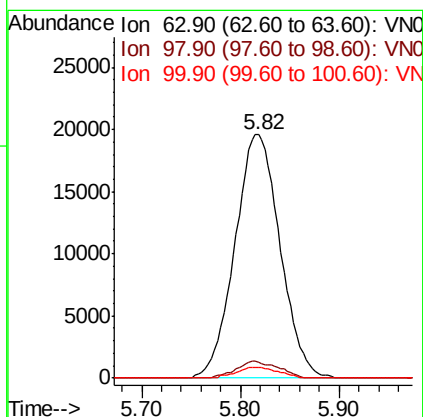
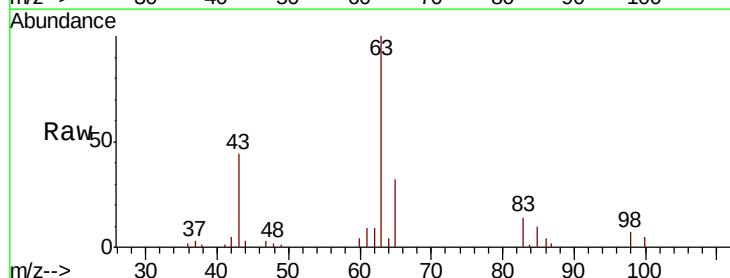
Instrument :
 MSVOA_N
 ClientSampled :

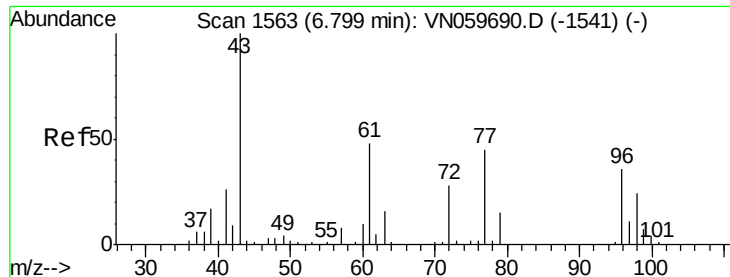
Tot Ion: 43 Resp: 388468
 Ion Ratio Lower Upper
 43 100
 86 11.0 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 20.351 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion: 63 Resp: 62113
 Ion Ratio Lower Upper
 63 100
 98 6.6 2.9 8.7
 100 4.5 2.0 6.0





#25

2-Butanone

Concen: 104.310 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

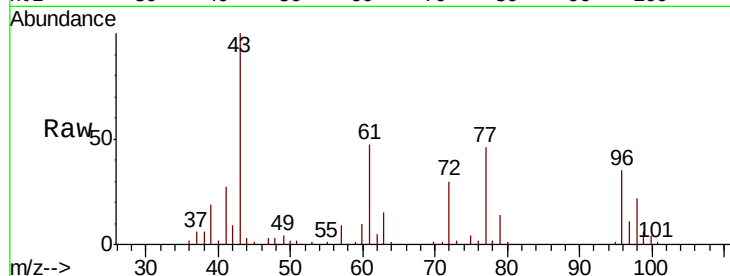
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 117253

Ion Ratio Lower Upper

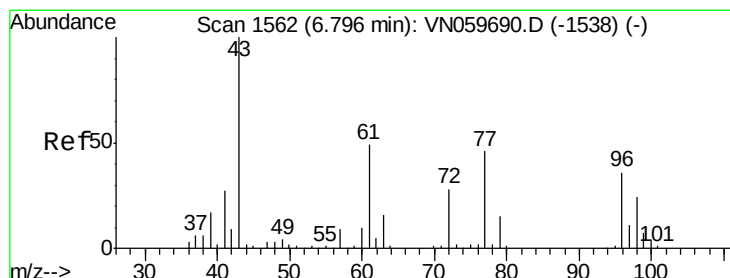
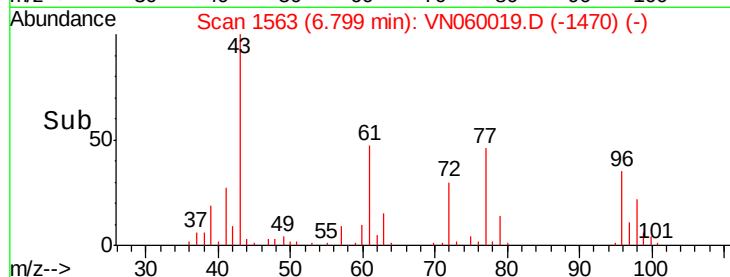
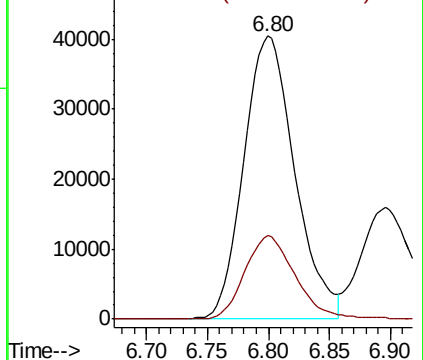
43 100

72 29.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.501 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060019.D

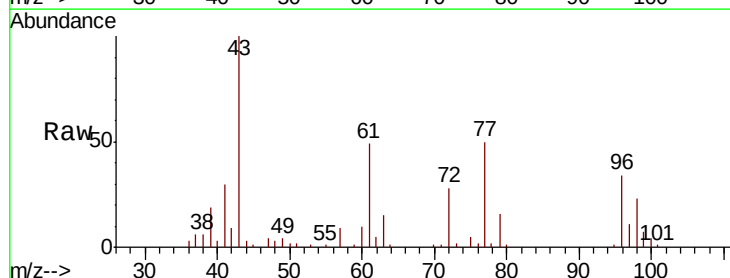
Acq: 7 Feb 2020 10:15

Tgt Ion: 77 Resp: 60155

Ion Ratio Lower Upper

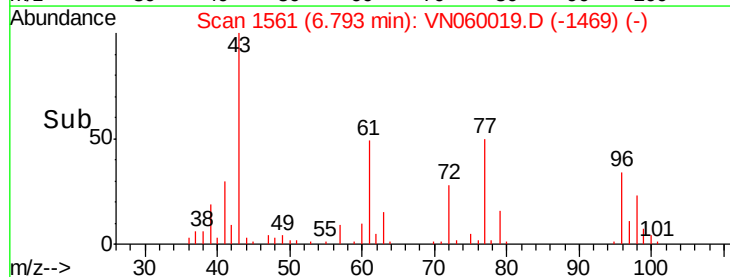
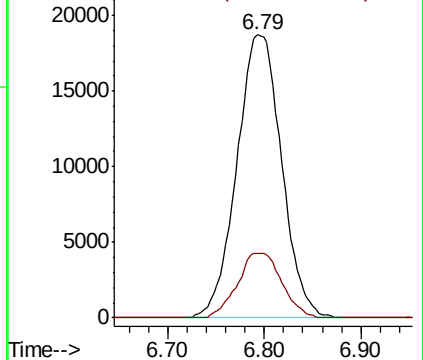
77 100

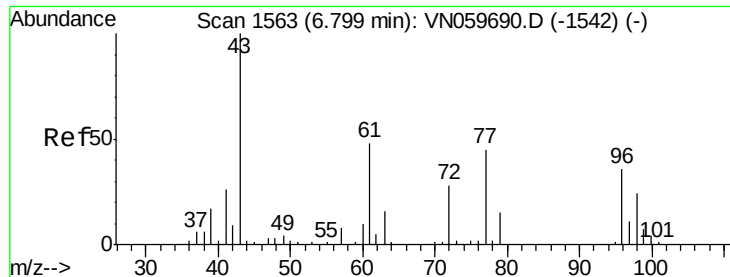
97 22.7 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

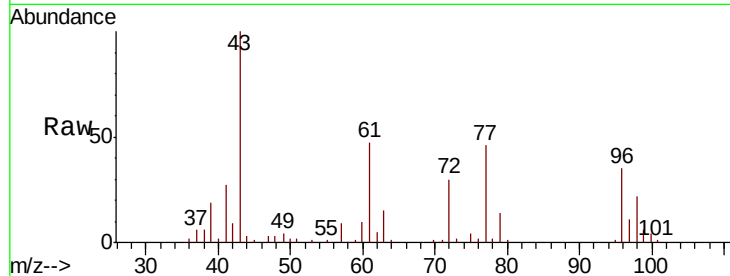




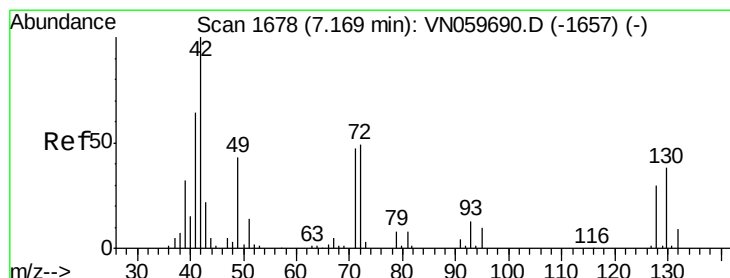
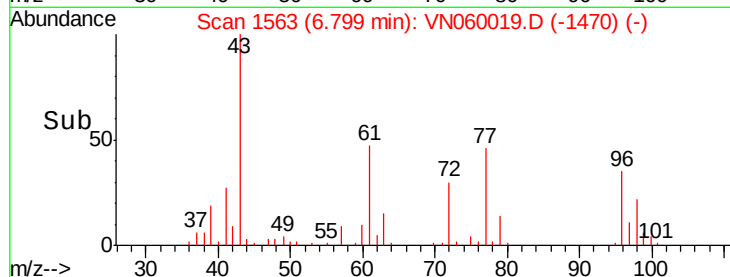
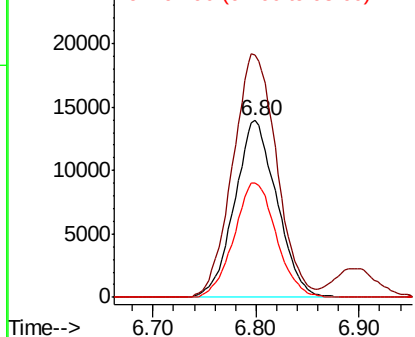
#27
 cis-1,2-Dichloroethene
 Concen: 19.853 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 39694
 Ion Ratio Lower Upper
 96 100
 61 143.0 0.0 317.6
 98 64.6 0.0 127.0

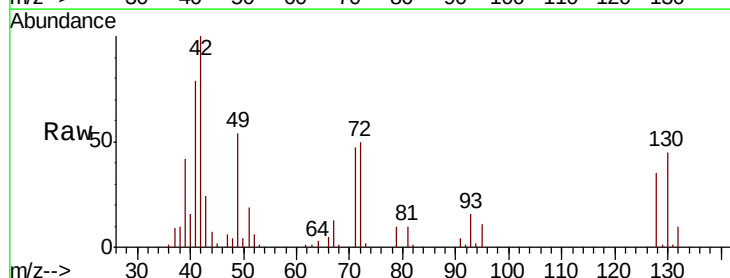


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

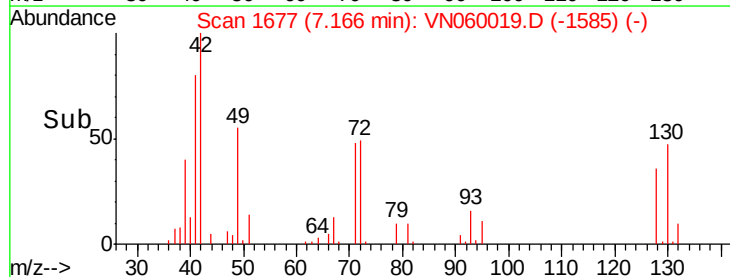
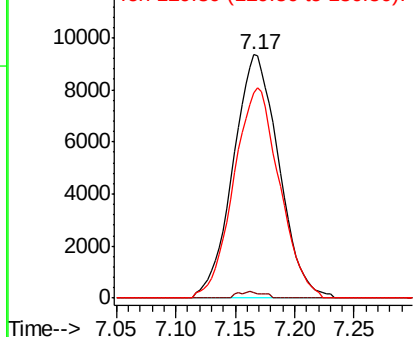


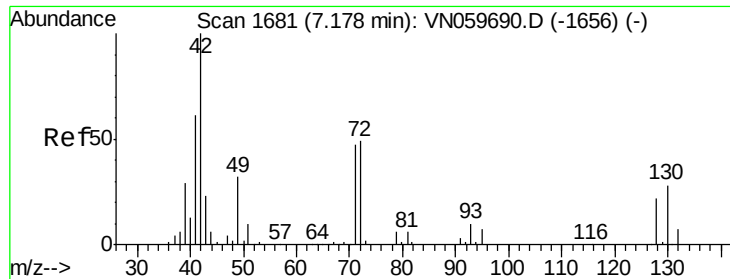
#28
 Bromochloromethane
 Concen: 20.332 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion: 49 Resp: 24803
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.4
 130 86.6 54.7 82.1#



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

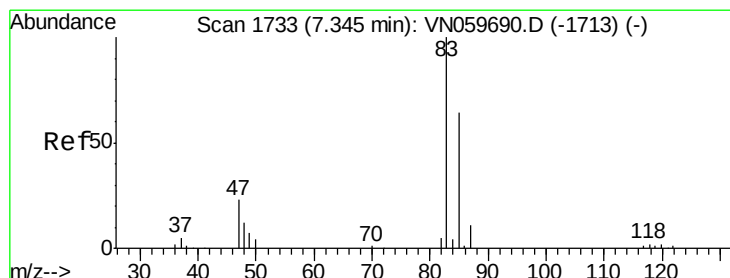
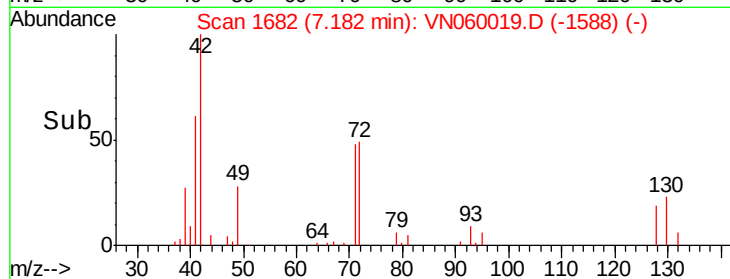
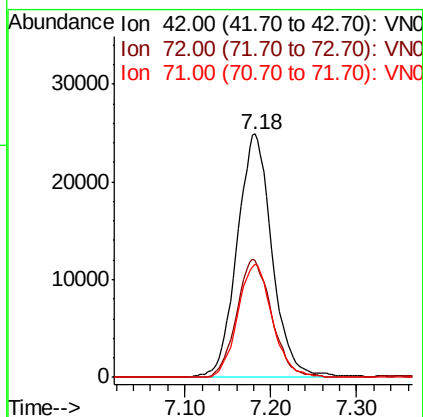
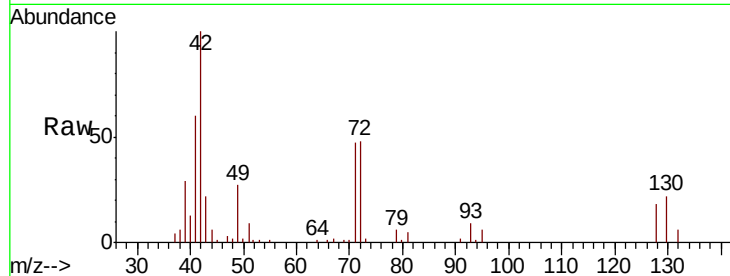




#29
Tetrahydrofuran
Concen: 101.289 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

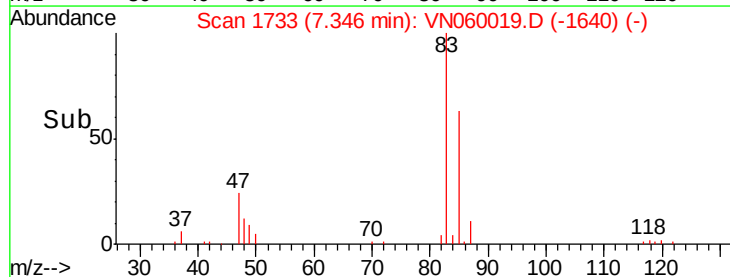
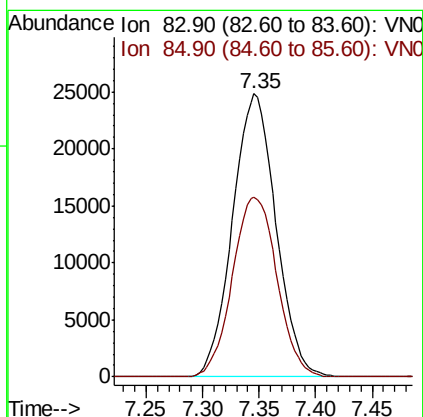
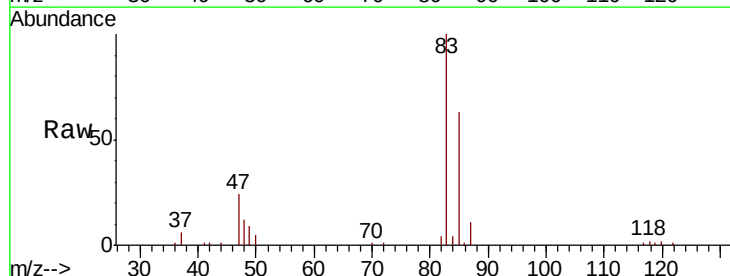
Instrument :
MSVOA_N
ClientSampled :

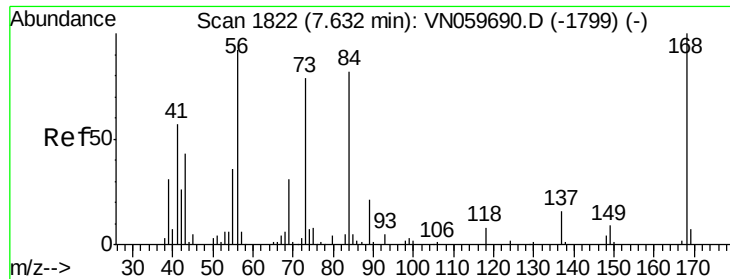
Tot Ion: 42 Resp: 70446
Ion Ratio Lower Upper
42 100
72 48.3 33.1 49.7
71 45.6 31.4 47.0



#30
Chloroform
Concen: 20.922 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 83 Resp: 66165
Ion Ratio Lower Upper
83 100
85 63.4 52.4 78.6

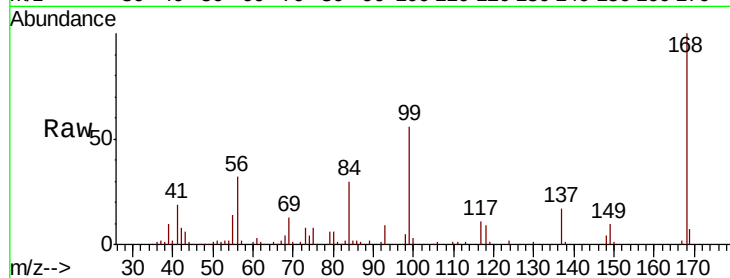




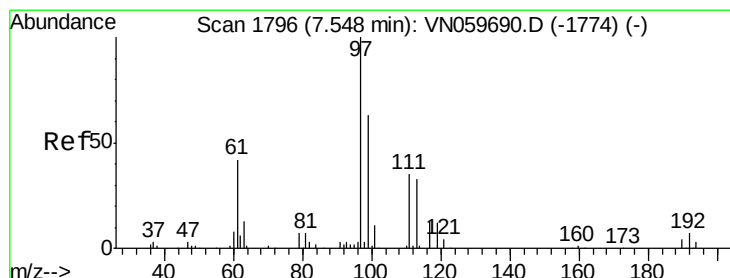
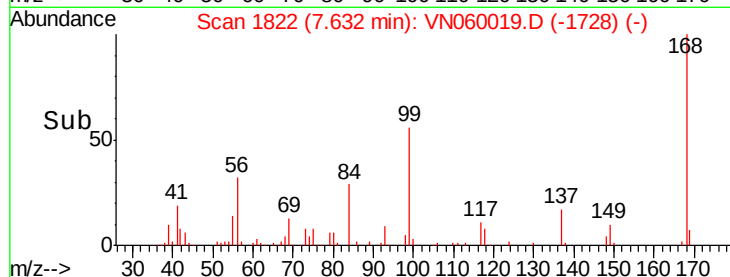
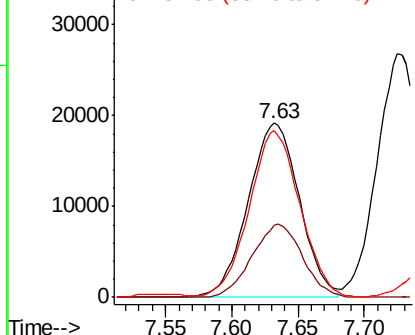
#31
Cyclohexane
Concen: 17.647 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 51827
Ion Ratio Lower Upper
56 100
69 41.2 26.5 39.7#
84 95.1 65.3 97.9

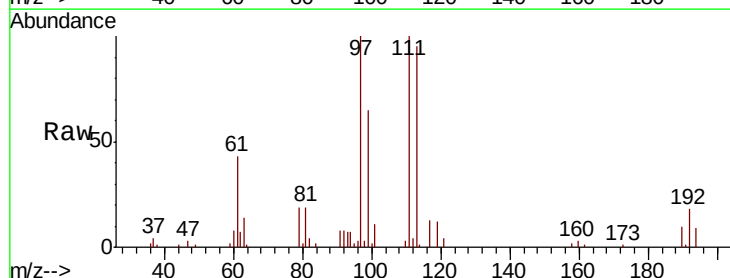


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

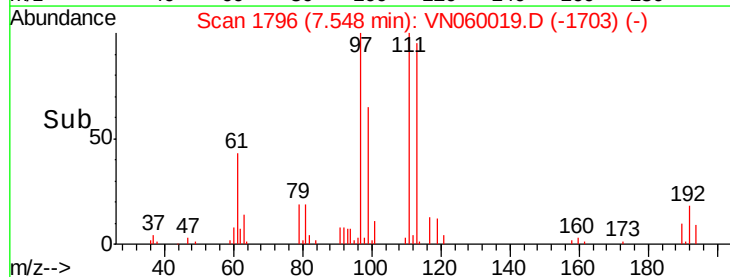
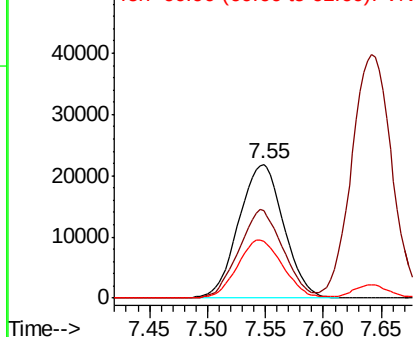


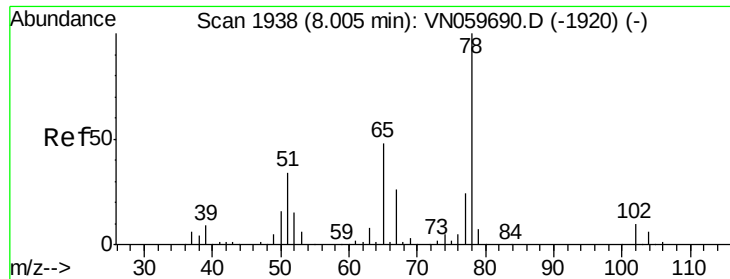
#32
1,1,1-Trichloroethane
Concen: 20.158 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 97 Resp: 58941
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 43.6 38.5 57.7



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

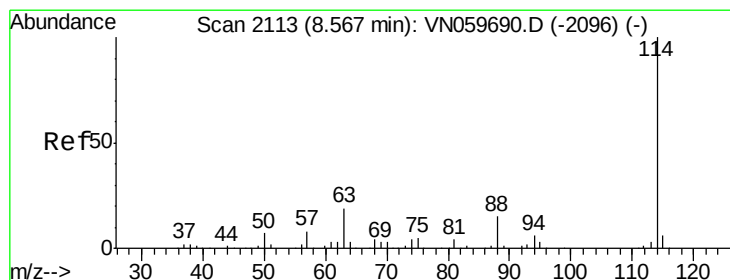
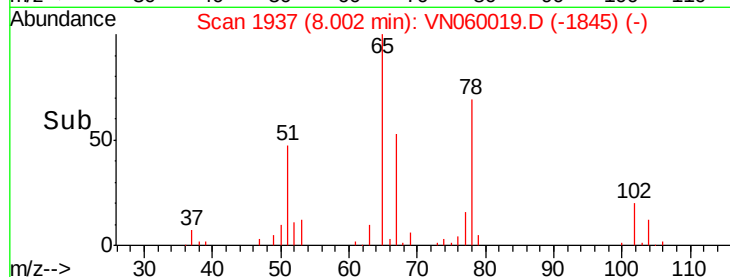
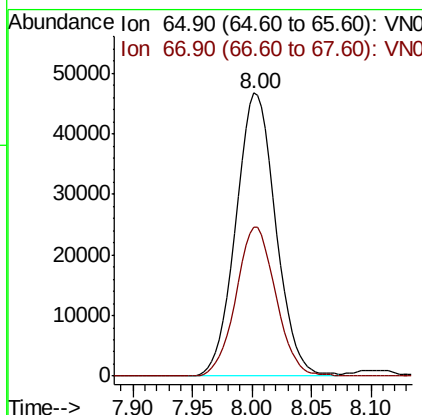
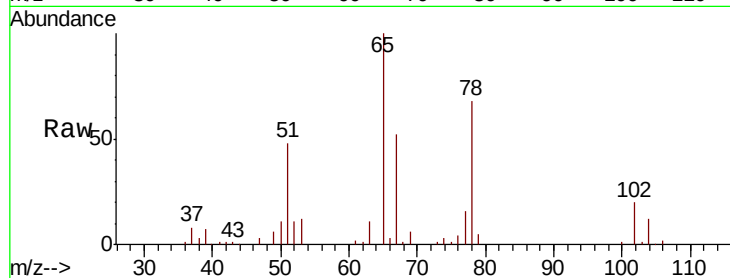




#33
 1,2-Dichloroethane-d4
 Concen: 54.778 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

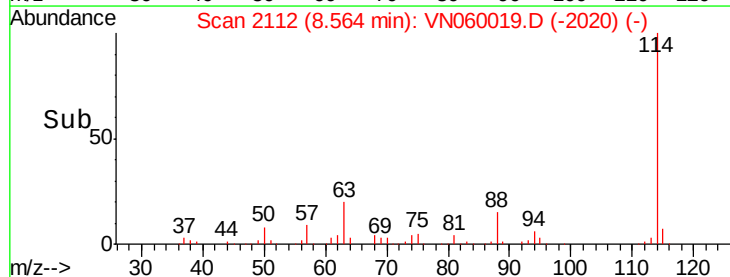
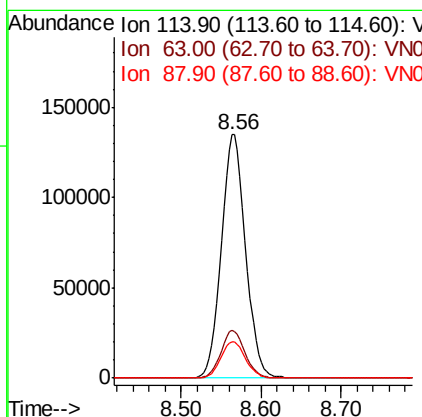
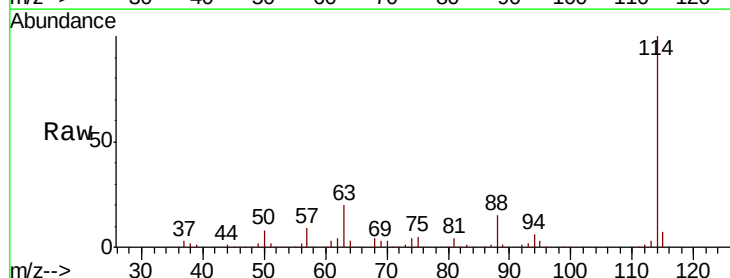
Instrument :
 MSVOA_N
 ClientSampleId :

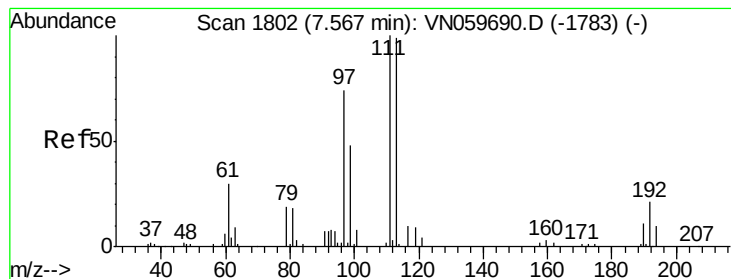
Tot Ion: 65 Resp: 108733
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion: 114 Resp: 280684
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.6
 88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.506 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

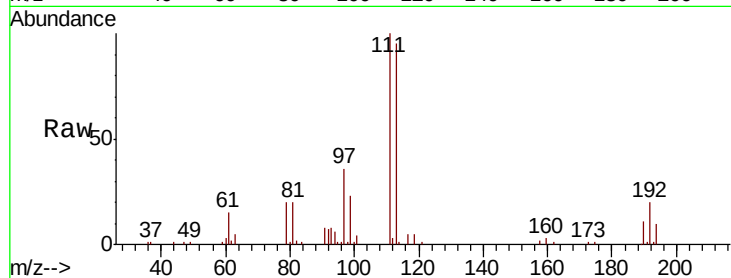
Tot Ion:113 Resp: 89560

Ion Ratio Lower Upper

113 100

111 103.1 83.5 125.3

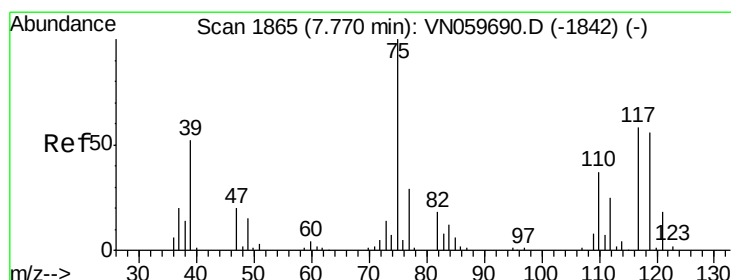
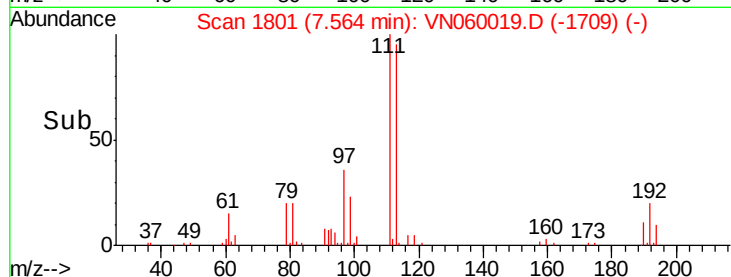
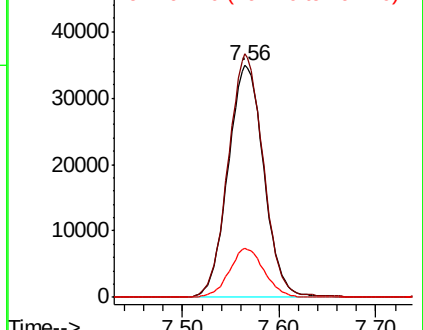
192 20.5 15.4 23.2



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: 18.722 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

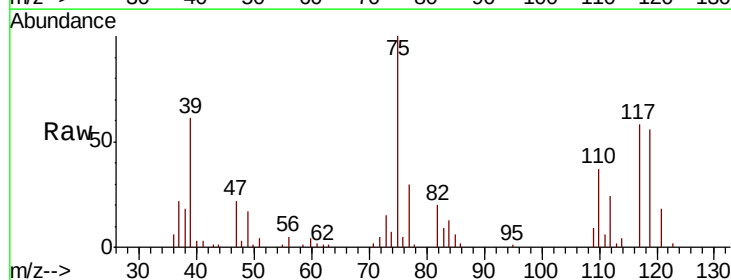
Tgt Ion: 75 Resp: 45762

Ion Ratio Lower Upper

75 100

110 37.2 16.6 49.7

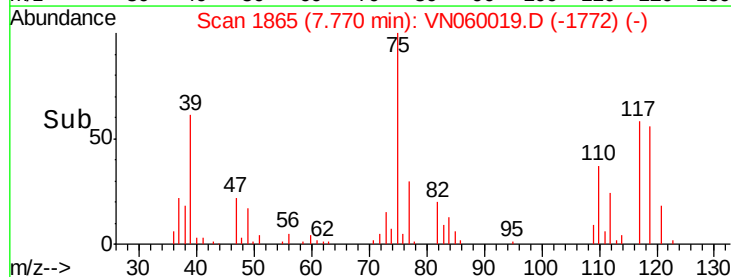
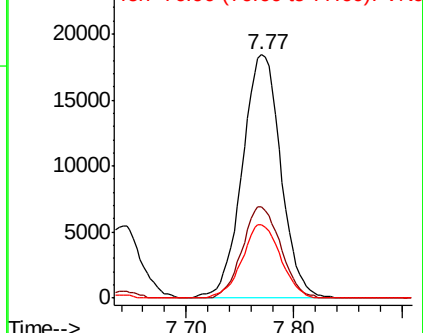
77 30.2 25.1 37.7

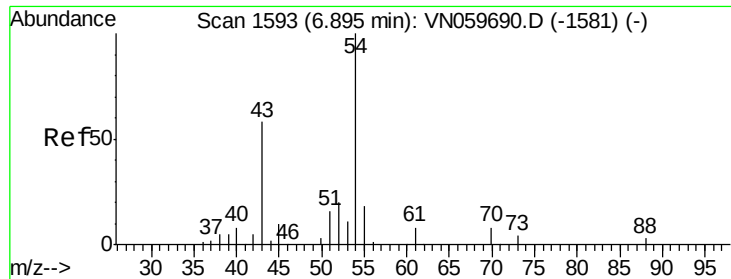


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

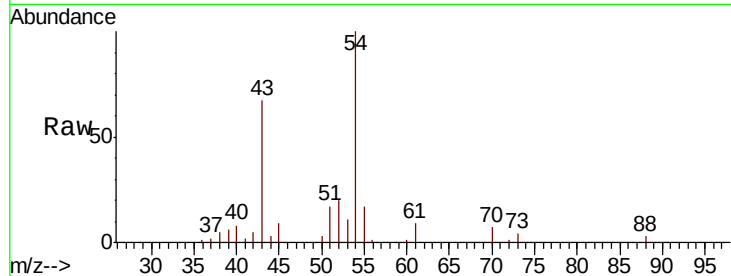




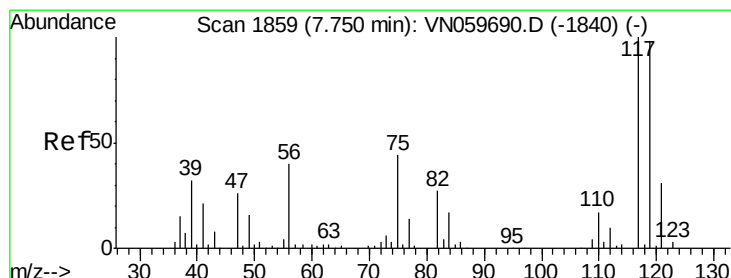
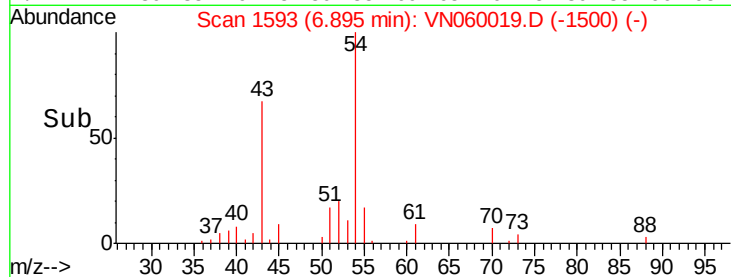
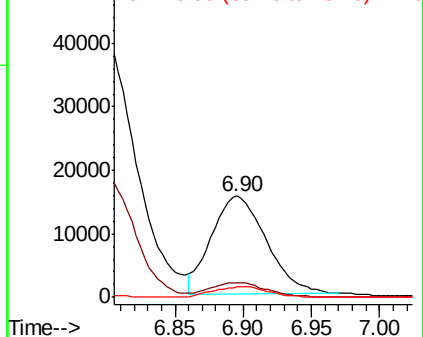
#37
Ethyl Acetate
Concen: 18.848 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 43210
Ion Ratio Lower Upper
43 100
61 15.6 10.9 16.3
70 10.7 7.7 11.5

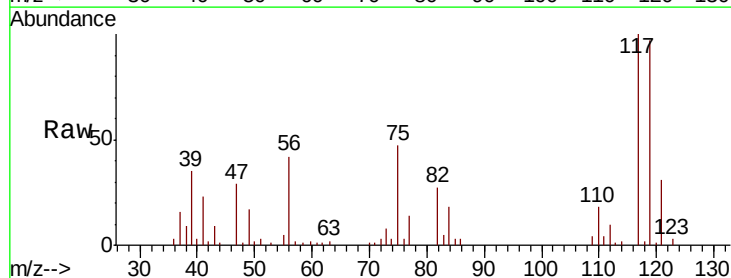


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

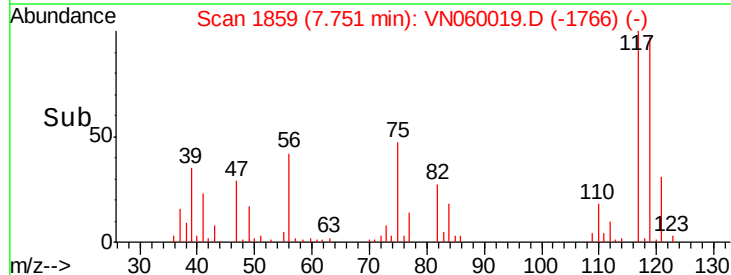
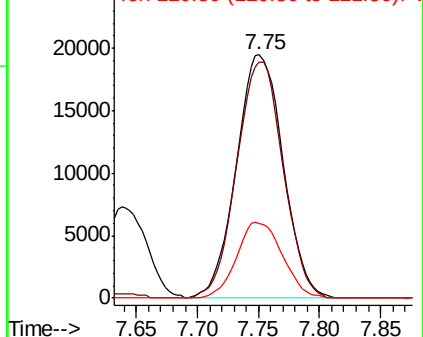


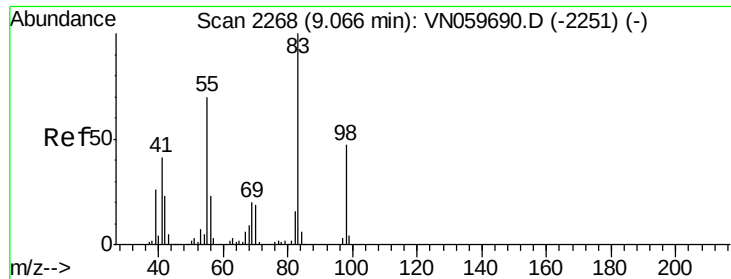
#38
Carbon Tetrachloride
Concen: 19.455 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 117 Resp: 51729
Ion Ratio Lower Upper
117 100
119 96.9 76.5 114.7
121 30.8 25.1 37.7



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

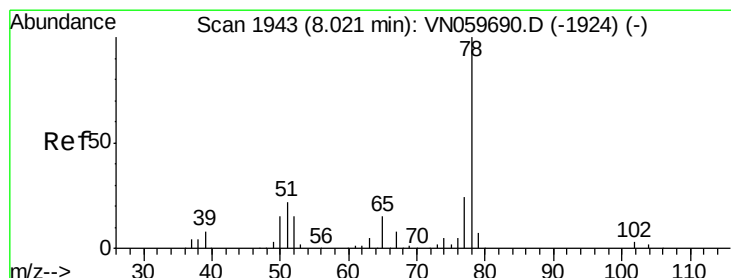
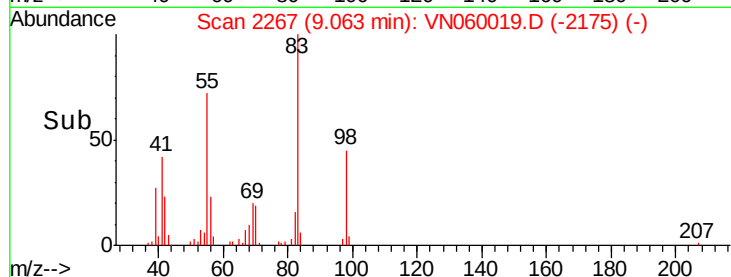
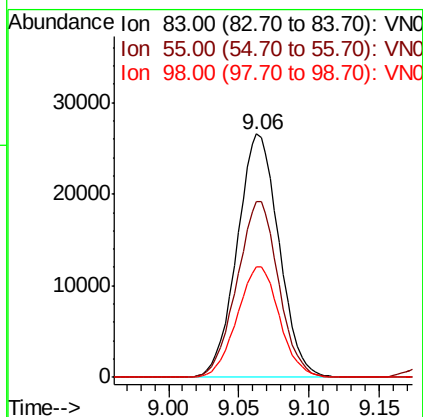
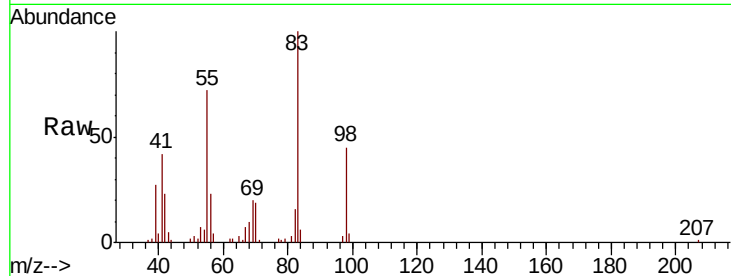




#39
Methylvlcyclohexane
Concen: 18.299 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

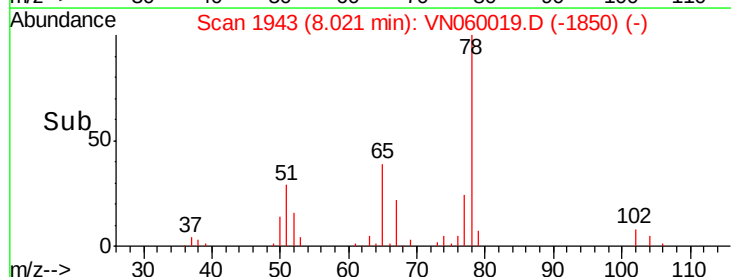
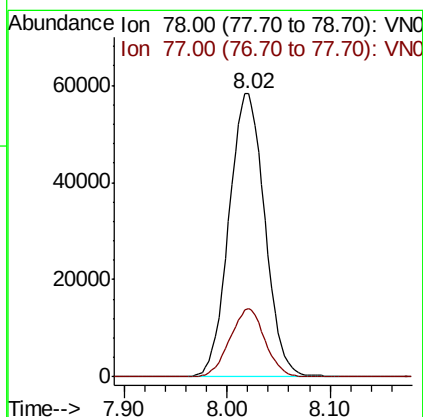
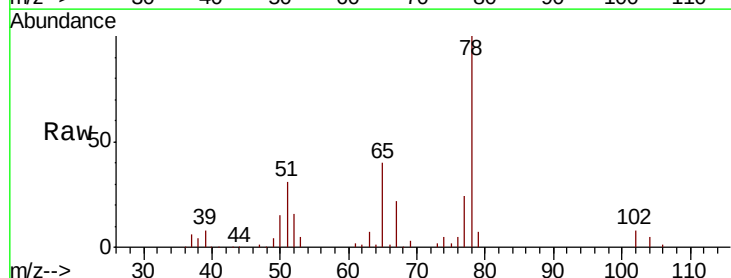
Instrument :
MSVOA_N
ClientSampleId :

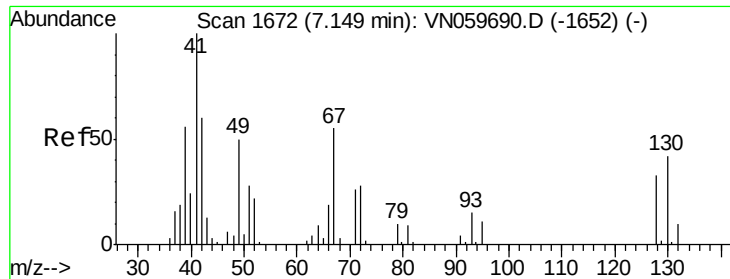
Tot Ion: 83 Resp: 55150
Ion Ratio Lower Upper
83 100
55 72.0 64.2 96.2
98 45.3 35.9 53.9



#40
Benzene
Concen: 19.304 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 78 Resp: 140720
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3





#41

Methacrylonitrile

Concen: 18.270 ug/l

RT: 7.14 min Scan# 1669

Delta R.T. -0.01 min

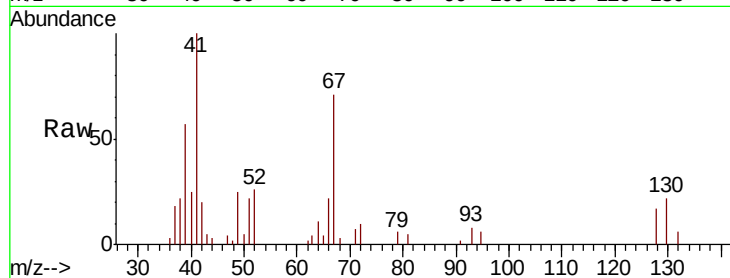
Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 20631

Ion	Ratio	Lower	Upper
41	100		
39	63.1	0.0	0.0#
67	92.9	0.0	0.0#
52	39.0	0.0	0.0#



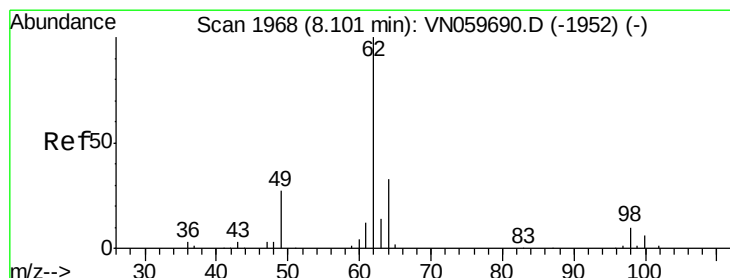
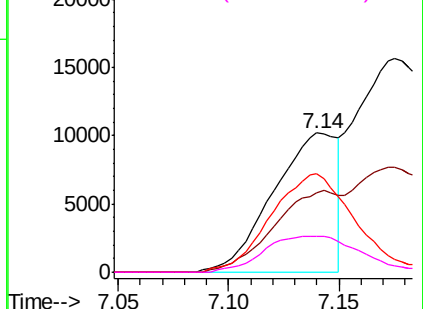
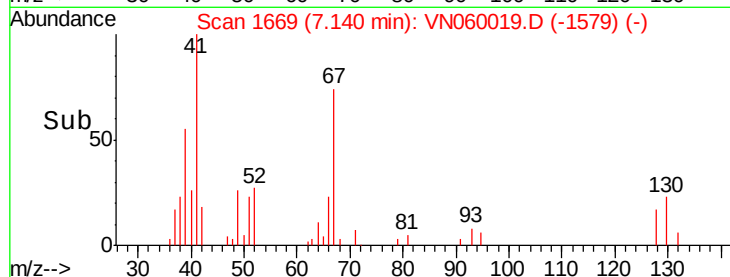
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.037 ug/l

RT: 8.10 min Scan# 1968

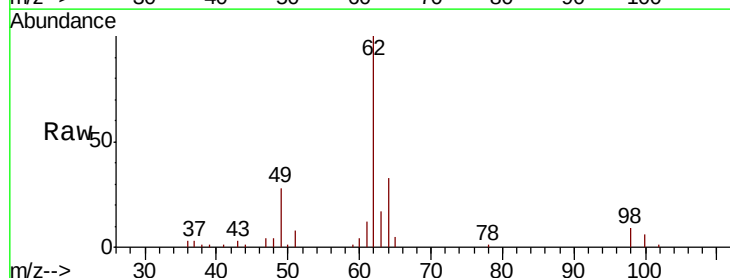
Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Tgt Ion: 62 Resp: 51995

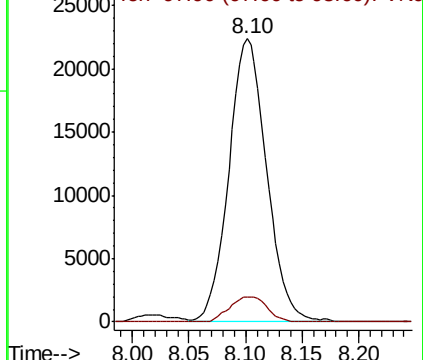
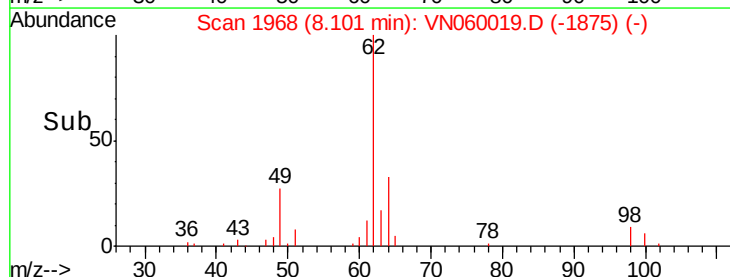
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.8

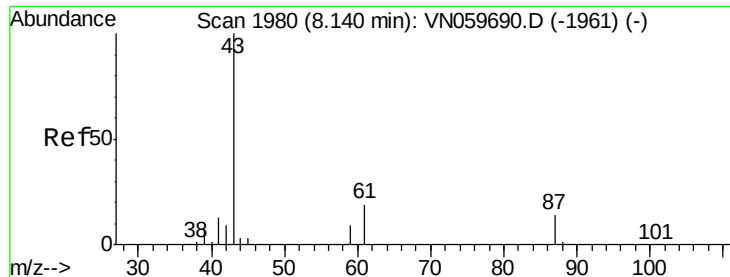


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.800 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

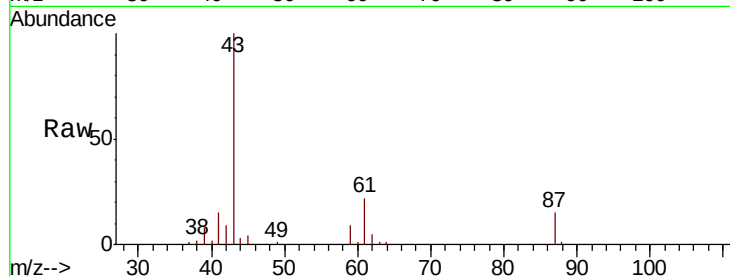
Tot Ion: 43 Resp: 78076

Ion Ratio Lower Upper

43 100

61 27.2 20.2 30.2

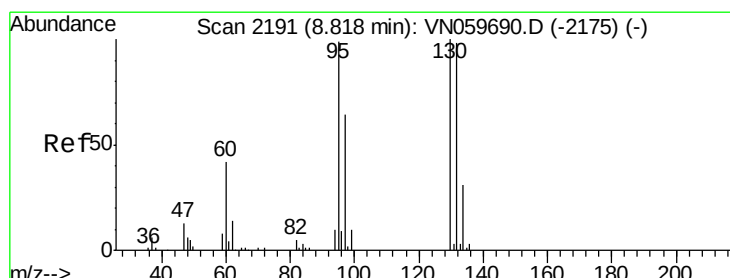
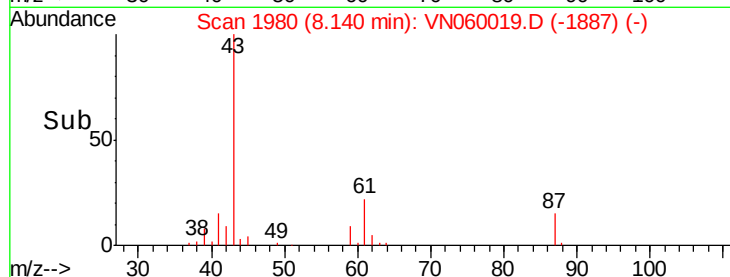
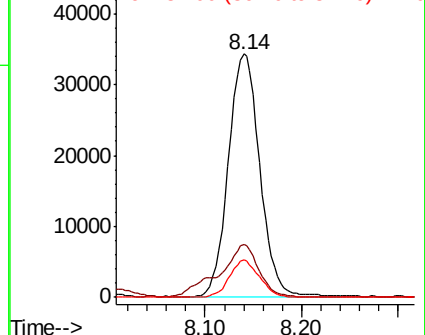
87 14.5 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060019.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN060019.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN060019.D (-1961) (-)



#44

Trichloroethene

Concen: 19.781 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060019.D

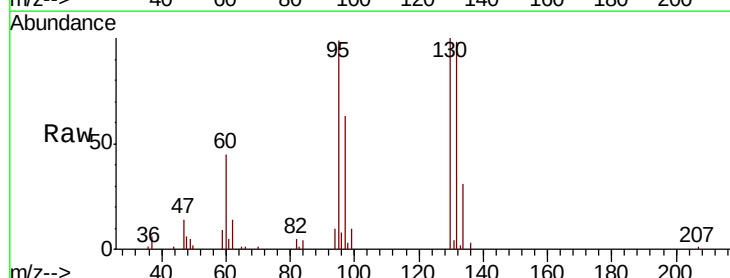
Acq: 7 Feb 2020 10:15

Tgt Ion:130 Resp: 39365

Ion Ratio Lower Upper

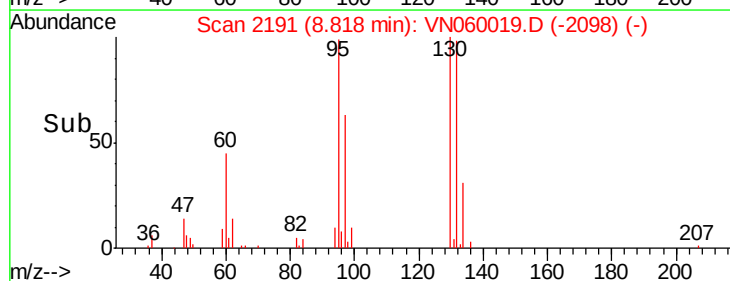
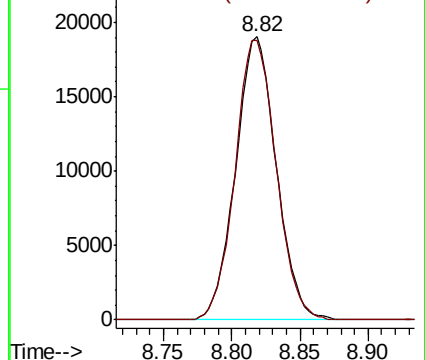
130 100

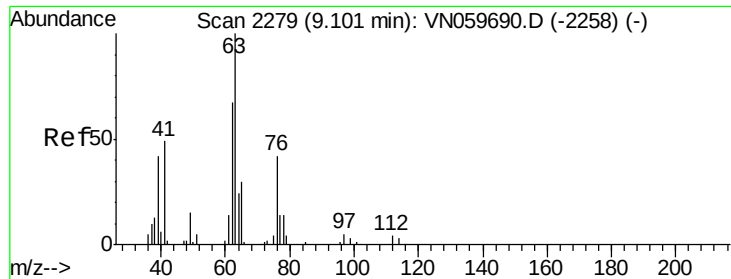
95 98.7 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN060019.D (-2191) (-)

Ion 94.90 (94.60 to 95.60): VN060019.D (-2191) (-)

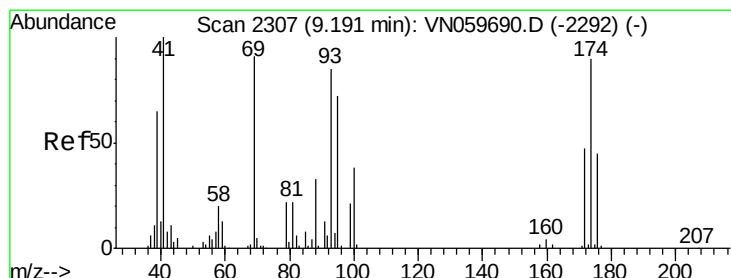
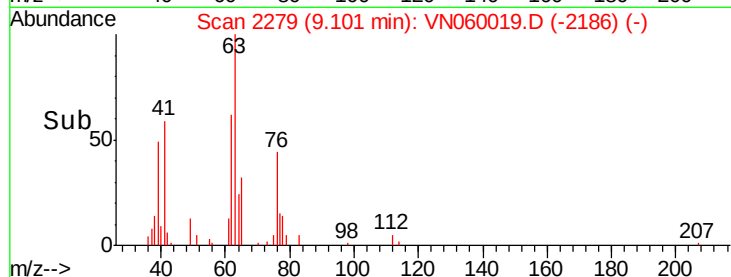
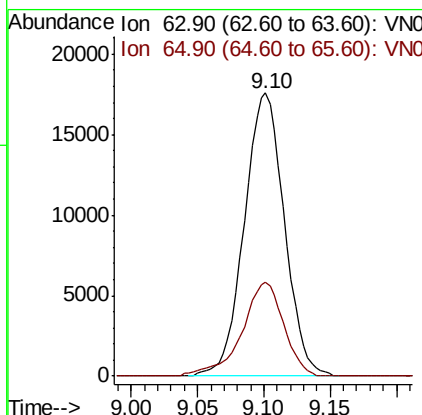
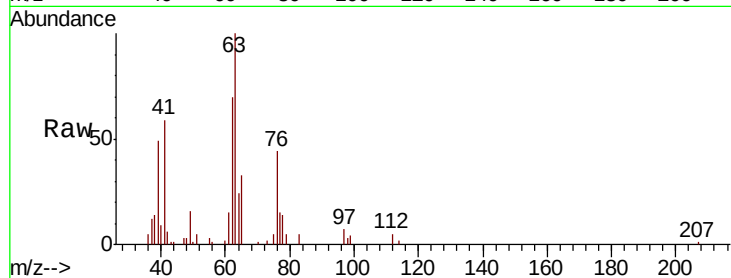




#45
 1,2-Dichloropropane
 Concen: 20.450 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

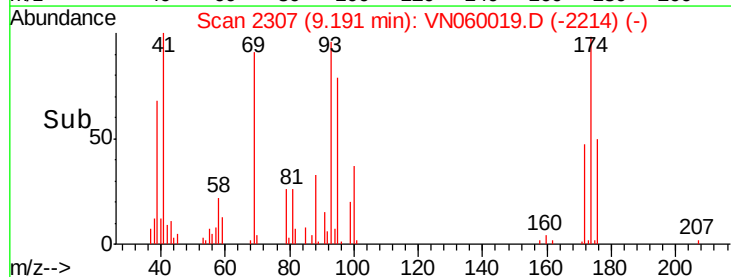
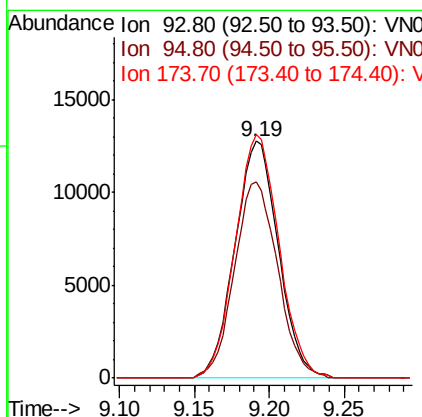
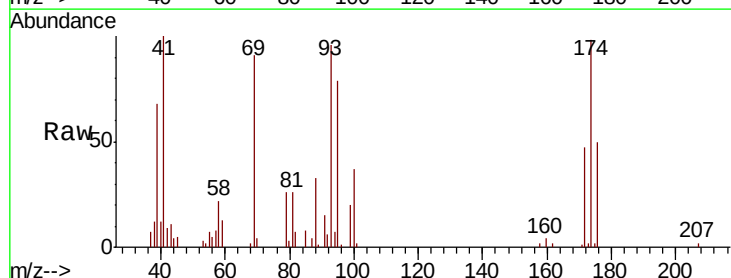
Instrument :
 MSVOA_N
 ClientSampleId :

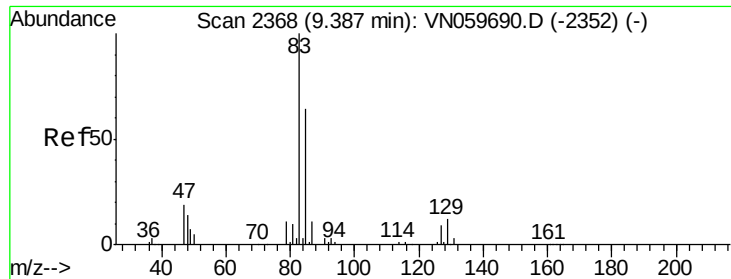
Tot Ion: 63 Resp: 36889
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.9 37.3



#46
 Dibromomethane
 Concen: 20.304 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion: 93 Resp: 25836
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.6
 174 102.9 73.4 110.2

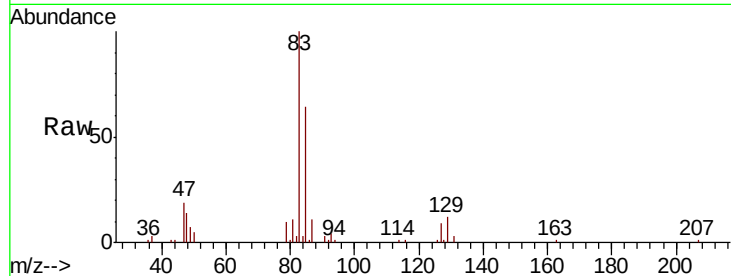




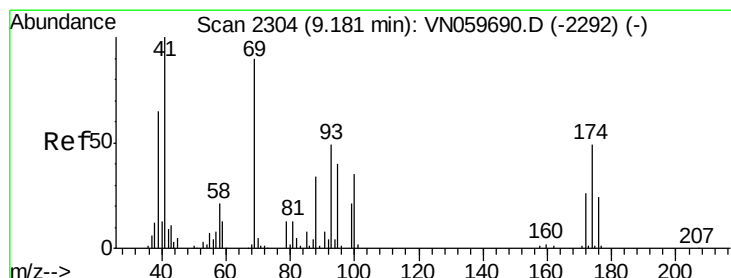
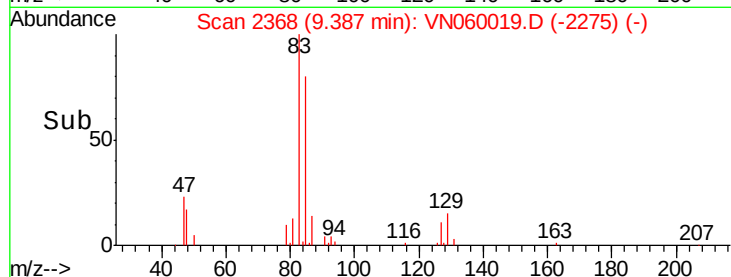
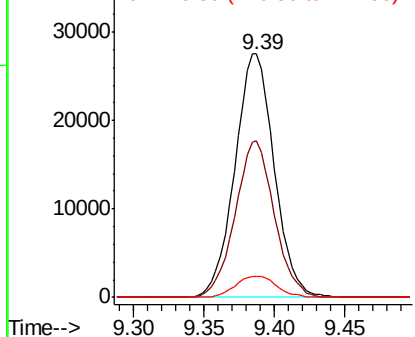
#47
 Bromodichloromethane
 Concen: 20.985 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 83 Resp: 53809
 Ion Ratio Lower Upper
 83 100
 85 64.3 51.1 76.7
 127 8.7 6.6 9.8

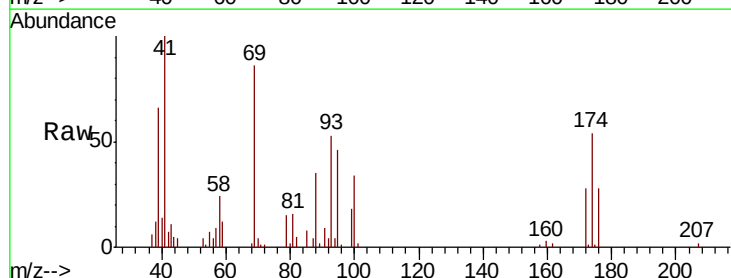


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

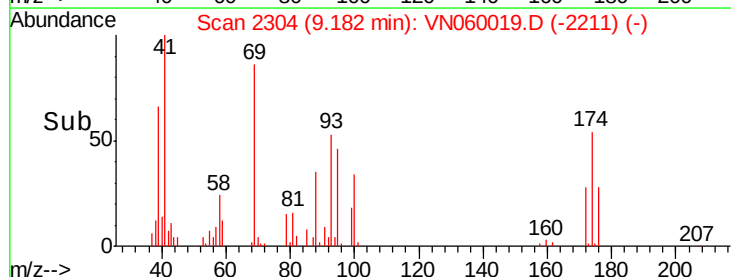
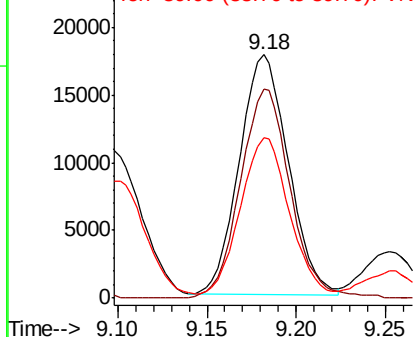


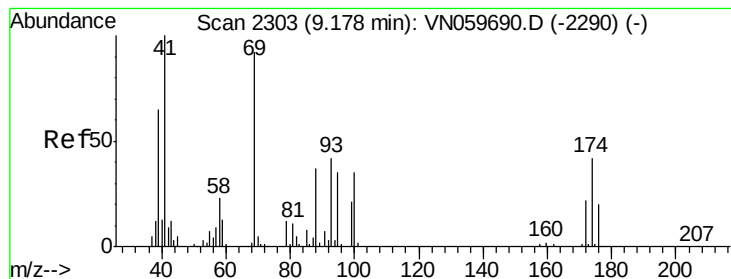
#48
 Methyl methacrylate
 Concen: 19.327 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion: 41 Resp: 34089
 Ion Ratio Lower Upper
 41 100
 69 88.7 64.4 96.6
 39 68.2 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: 403.759 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

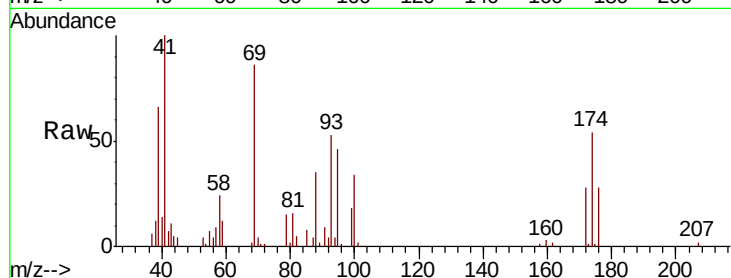
Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 13037

Ion	Ratio	Lower	Upper
88	100		
43	32.9	29.7	44.5
58	68.5	56.6	85.0

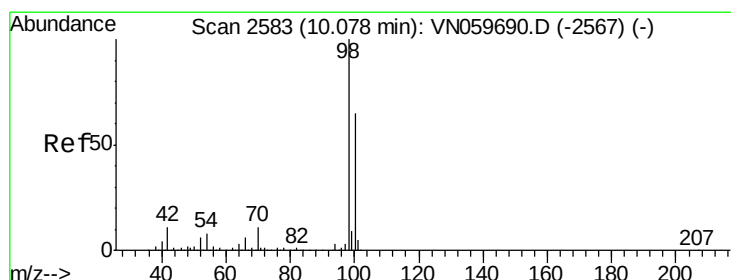
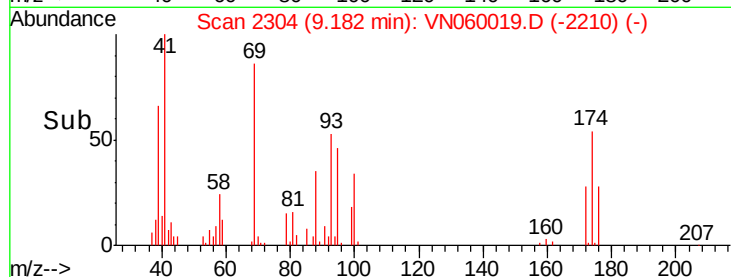
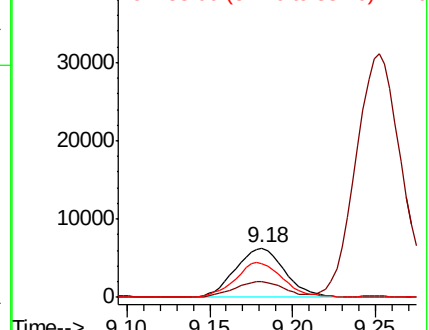


Abundance

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: 50.740 ug/l

RT: 10.08 min Scan# 2583

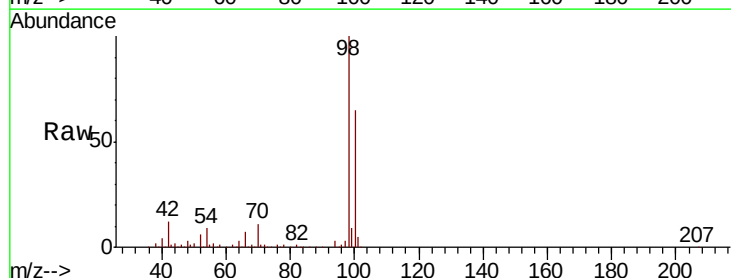
Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Tgt Ion: 98 Resp: 329066

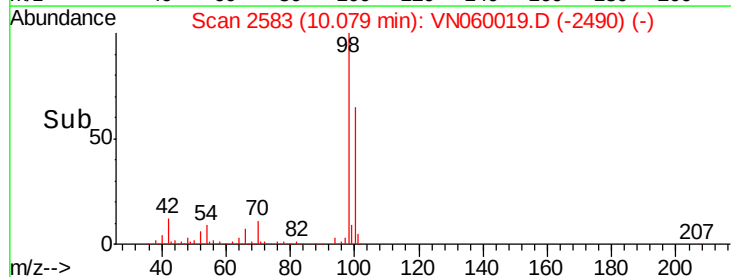
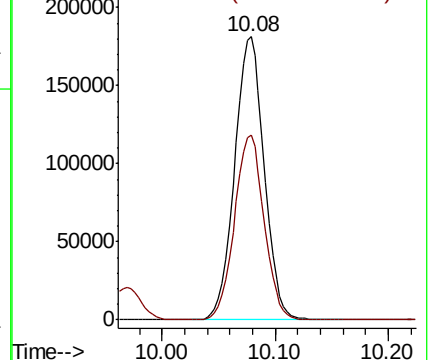
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.2	76.8

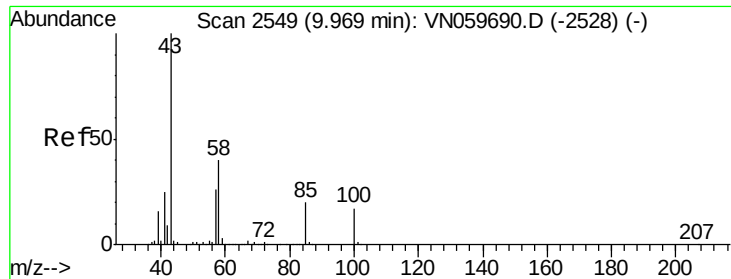


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

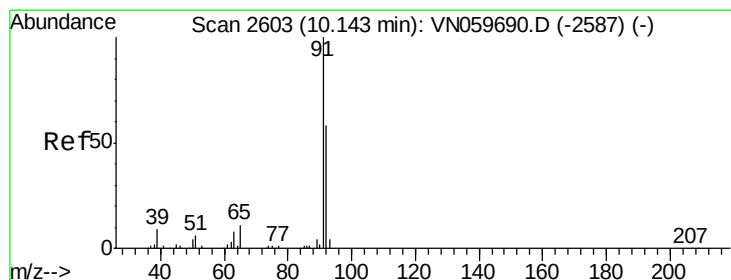
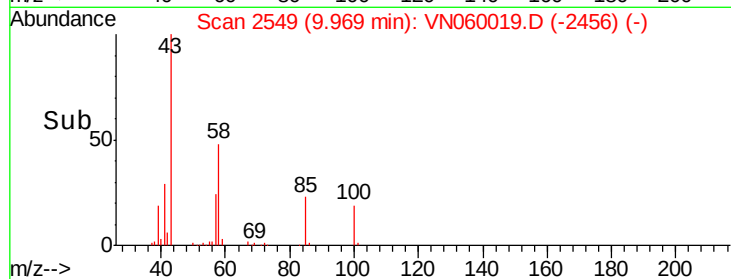
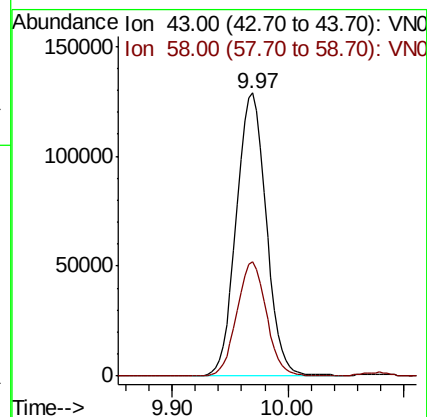
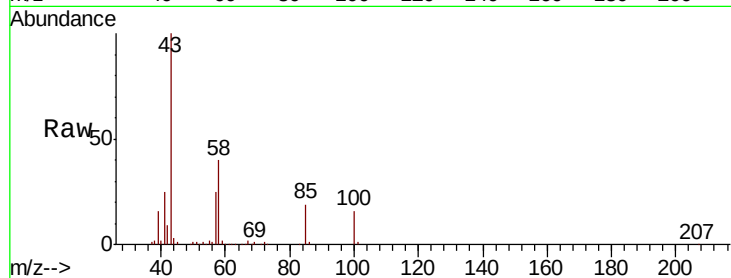




#51
 4-Methyl-2-Pentanone
 Concen: 101.286 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

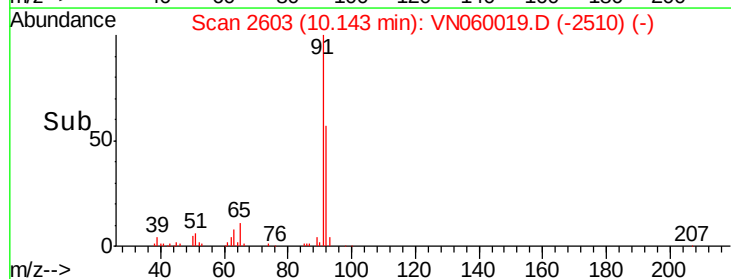
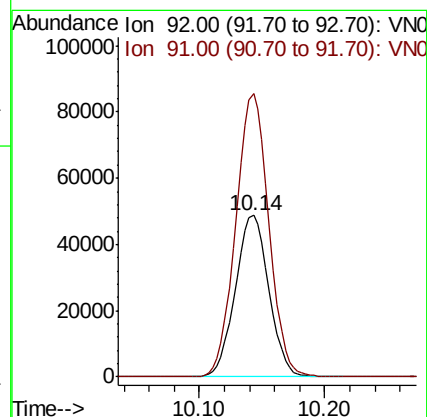
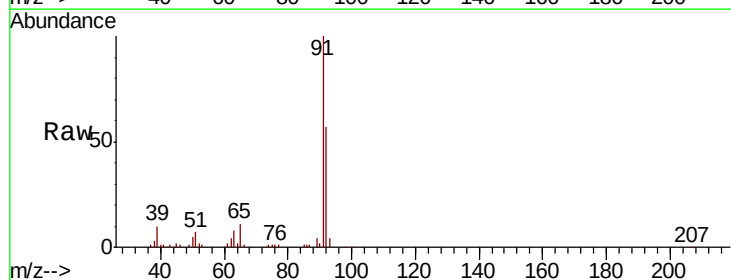
Instrument :
 MSVOA_N
 ClientSampled :

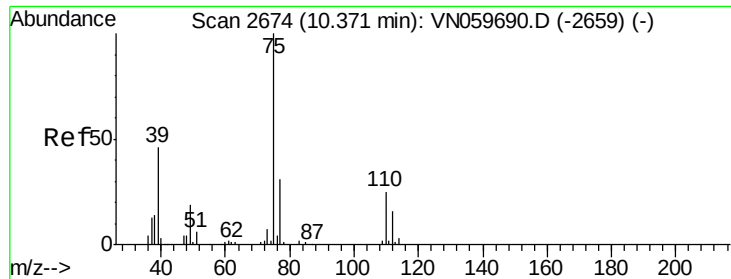
Tot Ion: 43 Resp: 230880
 Ion Ratio Lower Upper
 43 100
 58 39.8 29.8 44.8



#52
 Toluene
 Concen: 19.645 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion: 92 Resp: 90457
 Ion Ratio Lower Upper
 92 100
 91 172.7 140.4 210.6

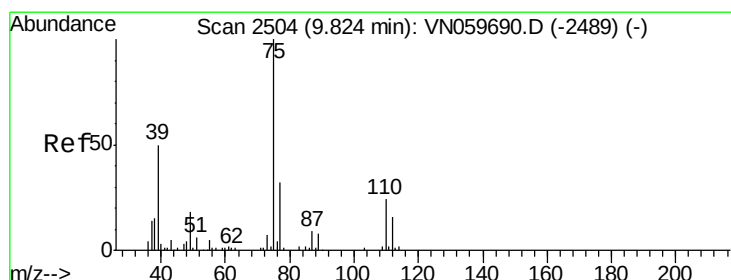
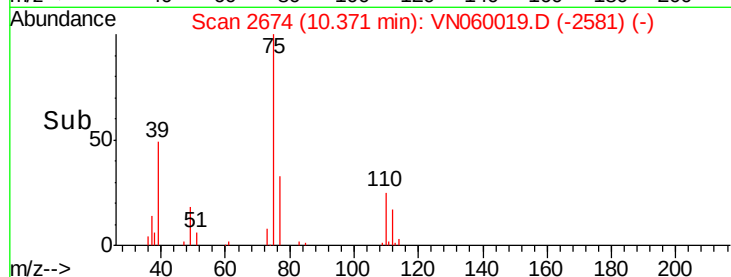
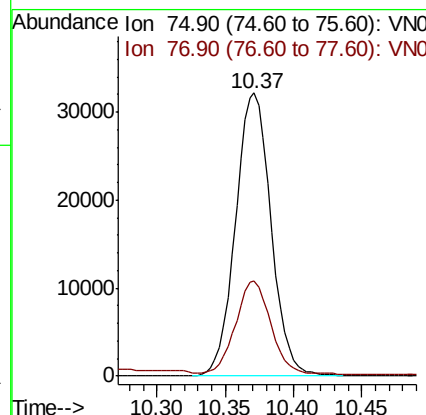
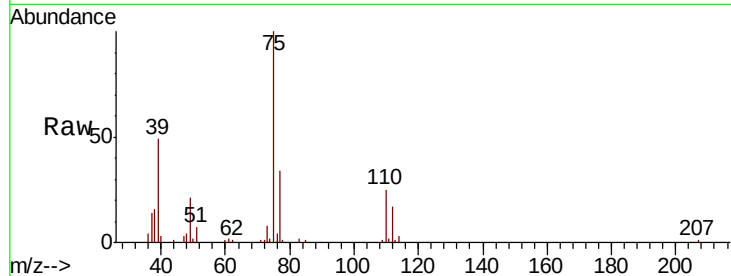




#53
t-1,3-Dichloropropene
Concen: 20.299 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

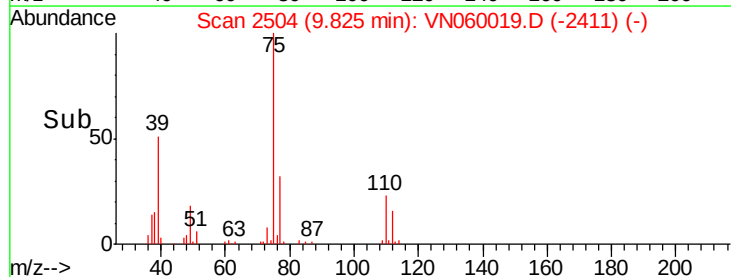
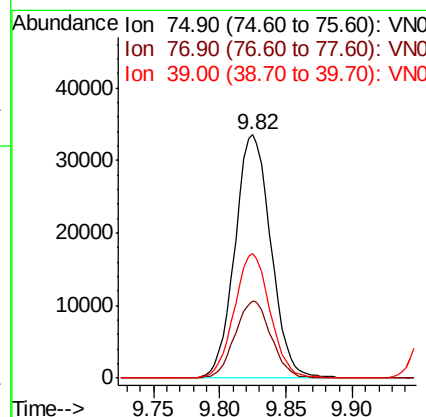
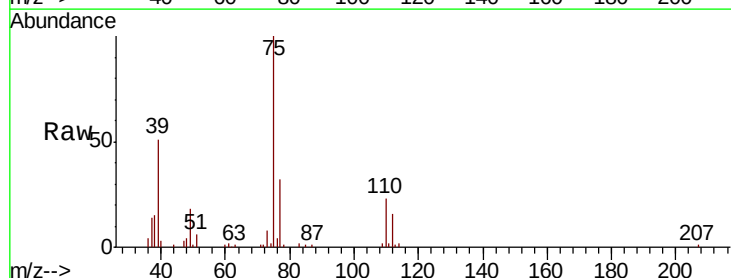
Instrument :
MSVOA_N
ClientSampleId :

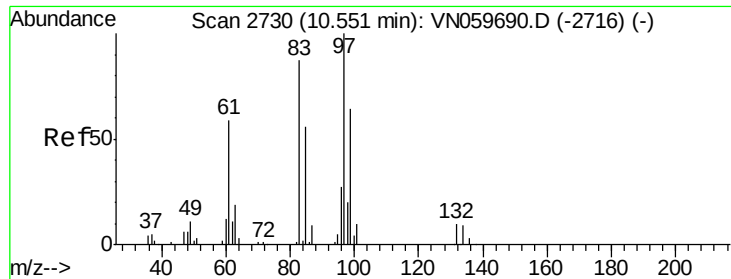
Tot Ion: 75 Resp: 58118
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 20.959 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 75 Resp: 63141
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 51.2 46.1 69.1

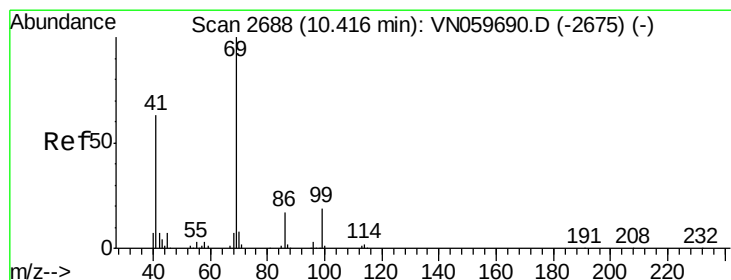
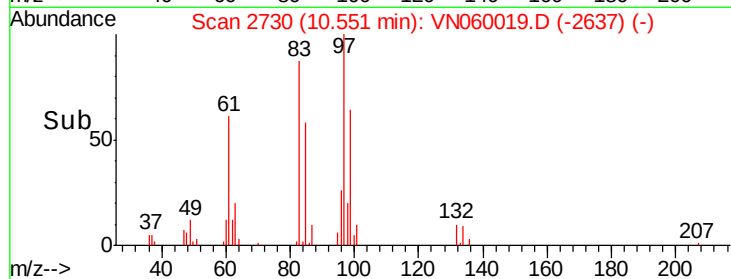
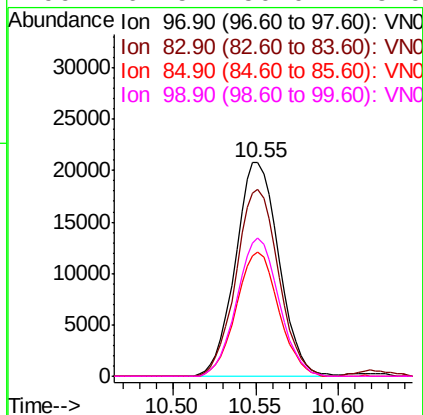
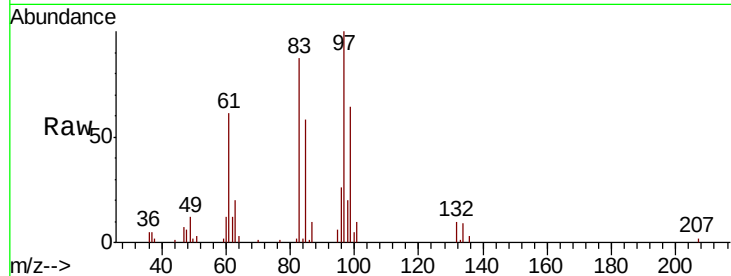




#55
 1,1,2-Trichloroethane
 Concen: 20.734 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

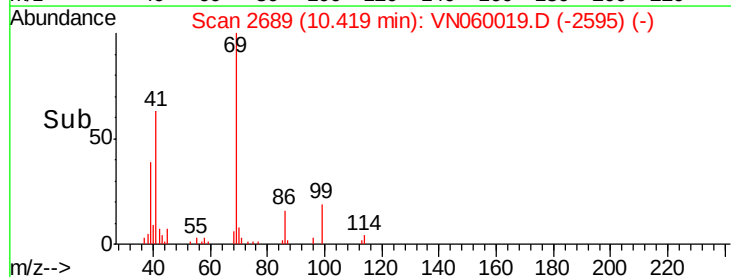
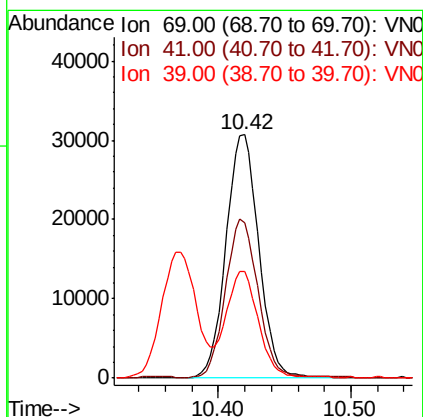
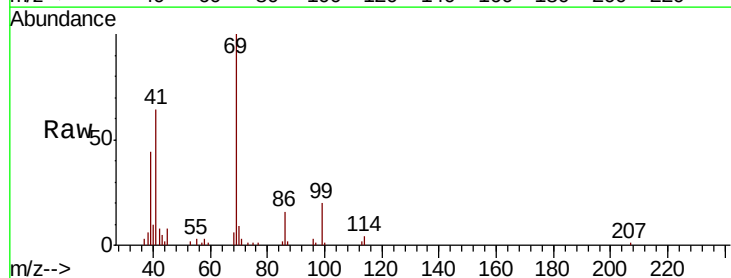
Instrument :
 MSVOA_N
 ClientSampleId :

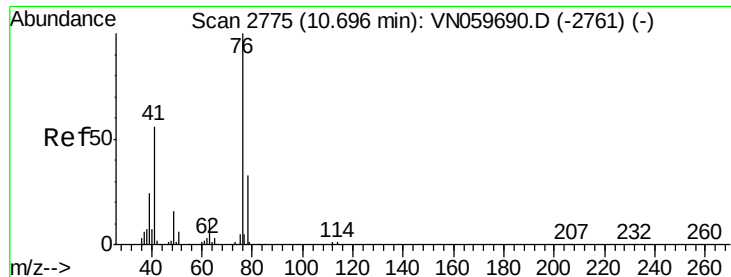
Tot Ion:	97	Resp:	37812
Ion	Ratio	Lower	Upper
97	100		
83	87.4	71.3	106.9
85	58.3	45.8	68.8
99	64.5	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 18.963 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion:	69	Resp:	52841
Ion	Ratio	Lower	Upper
69	100		
41	65.4	57.1	85.7
39	42.9	34.7	52.1





#57

1,3-Dichloropropane

Concen: 21.261 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

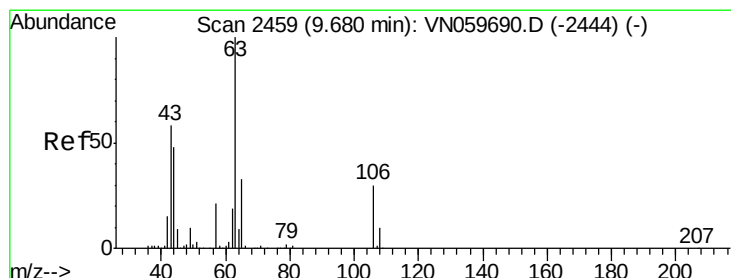
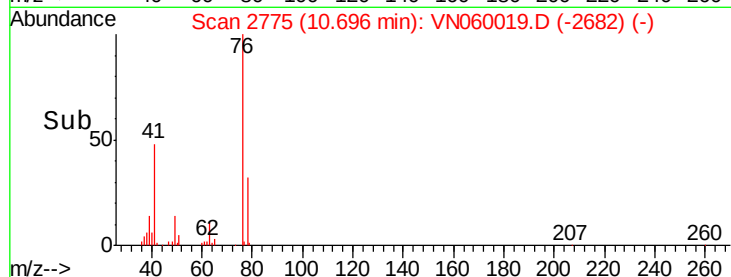
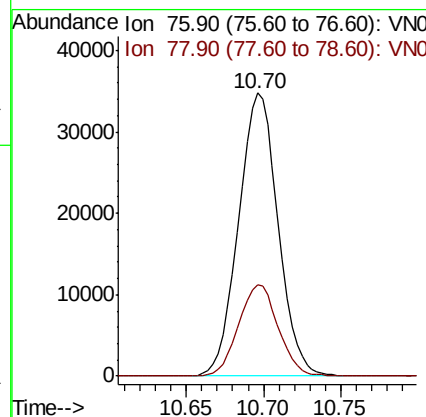
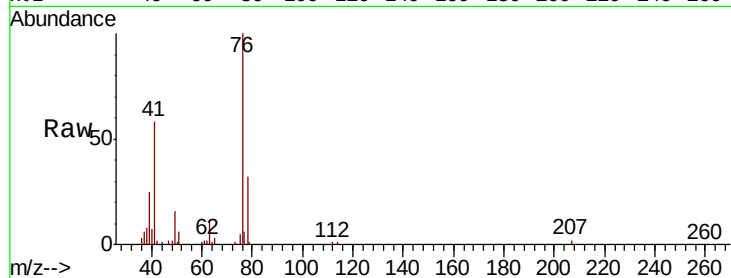
ClientSampleId :

Tot Ion: 76 Resp: 61556

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 100.176 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060019.D

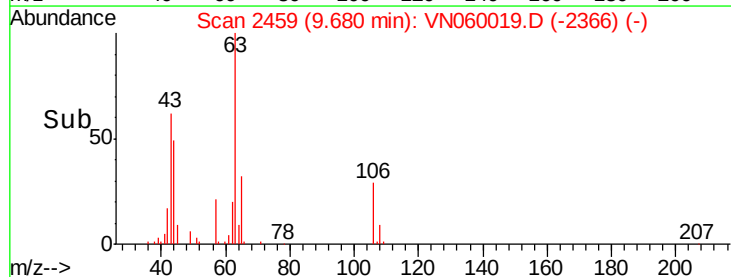
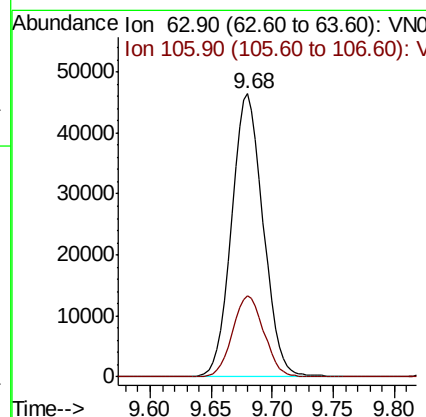
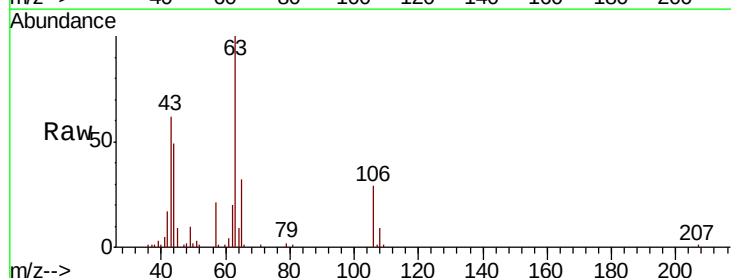
Acq: 7 Feb 2020 10:15

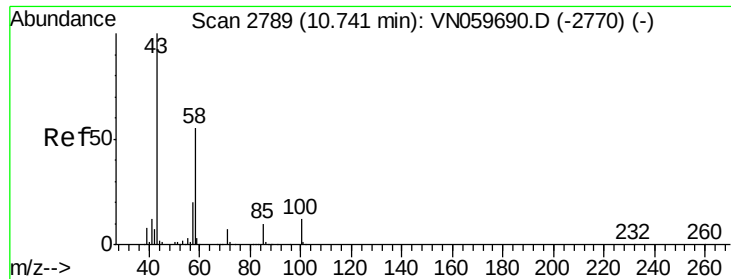
Tgt Ion: 63 Resp: 84080

Ion Ratio Lower Upper

63 100

106 28.3 20.2 30.2

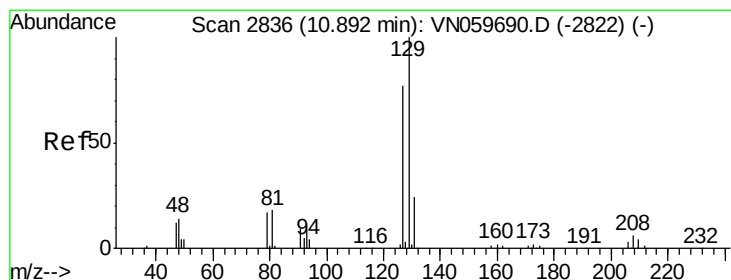
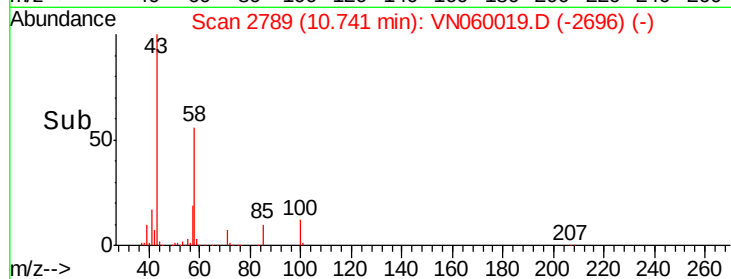
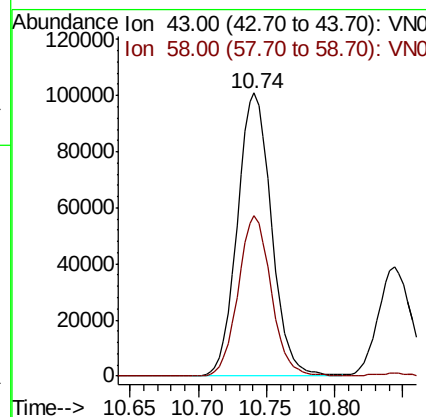
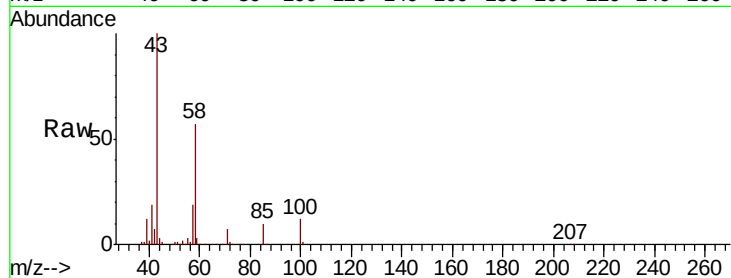




#59
2-Hexanone
Concen: 104.349 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

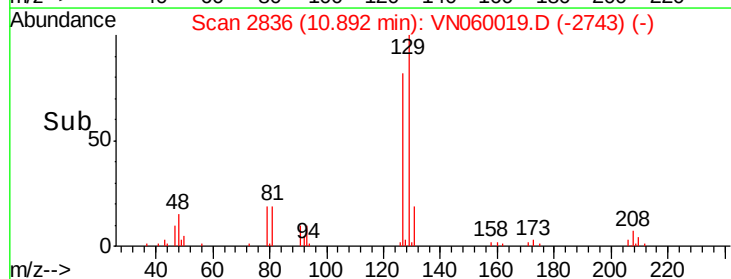
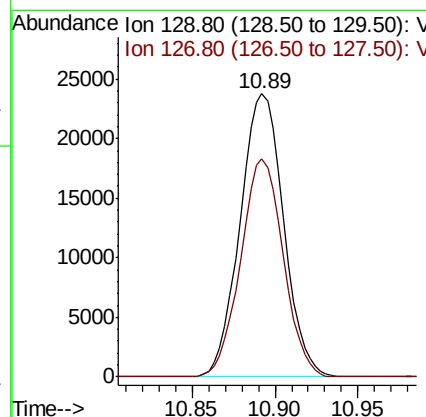
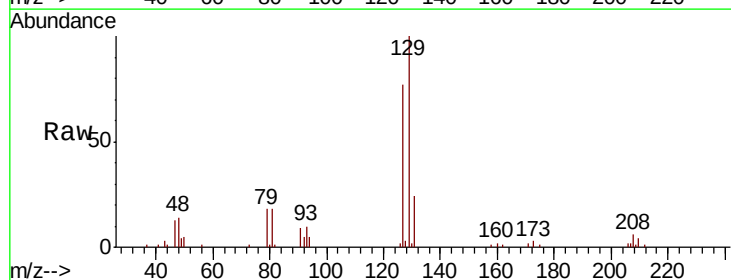
Instrument :
MSVOA_N
ClientSampled :

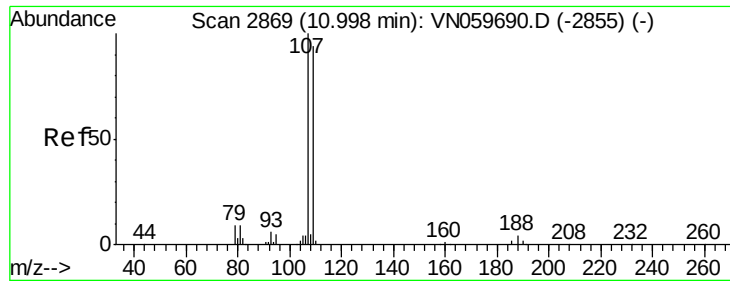
Tot Ion: 43 Resp: 175233
Ion Ratio Lower Upper
43 100
58 54.9 25.8 77.3



#60
Dibromochloromethane
Concen: 20.833 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 129 Resp: 43265
Ion Ratio Lower Upper
129 100
127 75.4 38.5 115.5

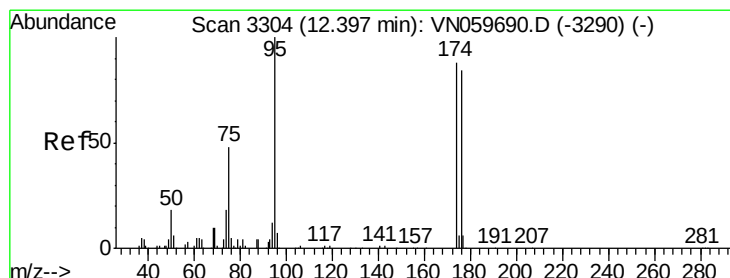
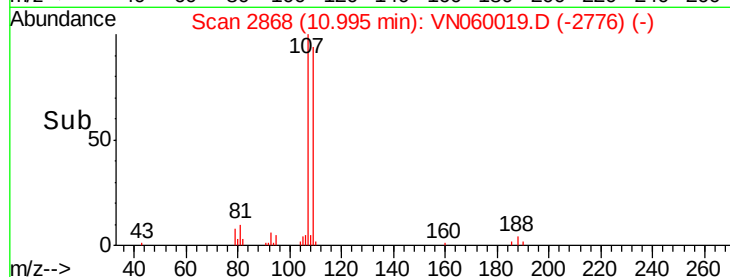
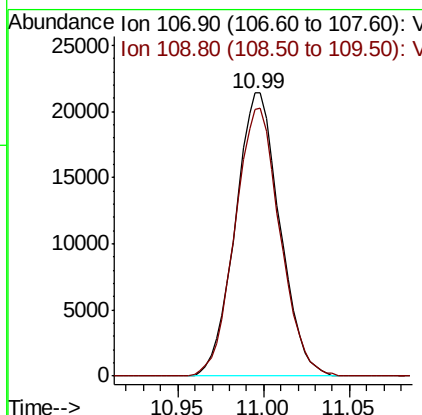
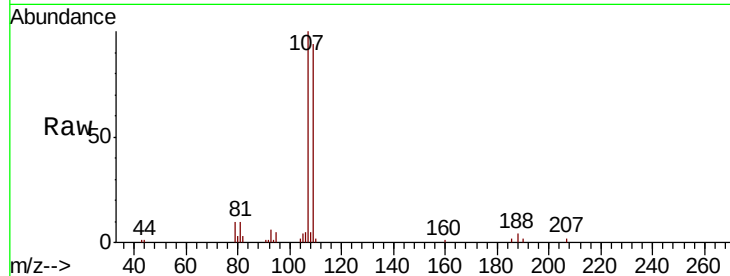




#61
 1,2-Dibromoethane
 Concen: 20.082 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

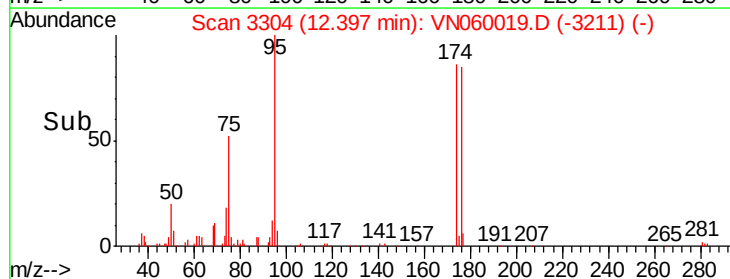
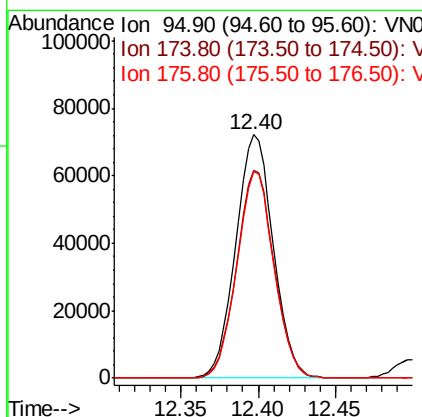
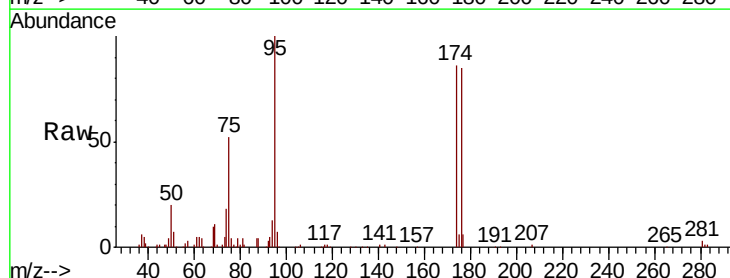
Instrument :
 MSVOA_N
 ClientSampleId :

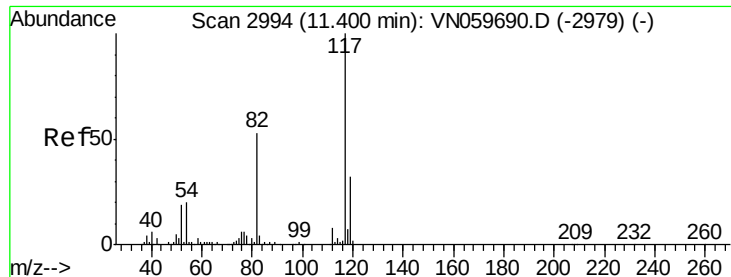
Tot Ion: 107 Resp: 38385
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 51.897 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion: 95 Resp: 121333
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 151.4
 176 83.9 0.0 146.0

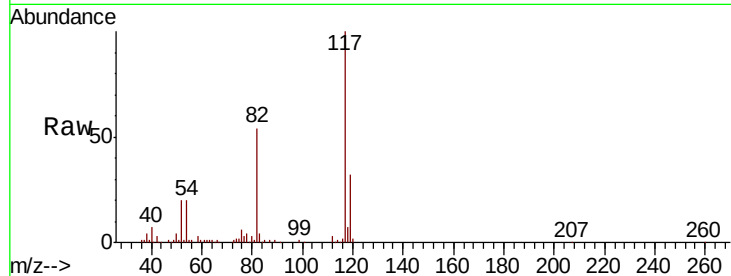




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.9	68.9
119	32.3	25.5	38.3

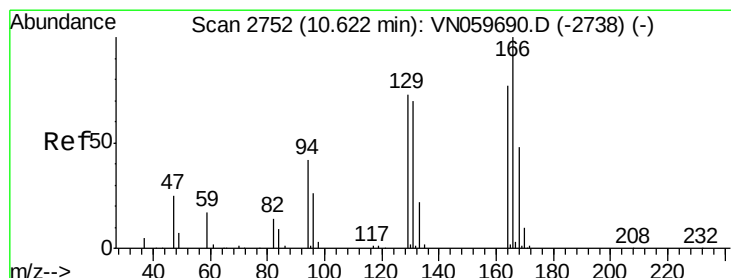
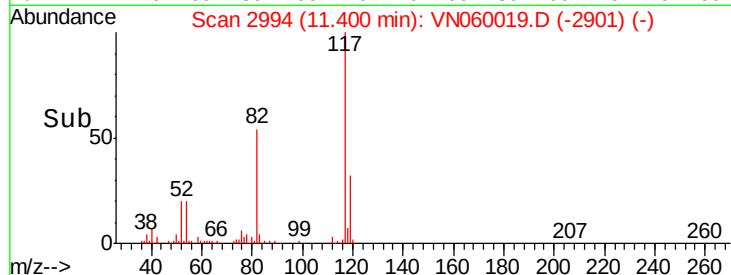
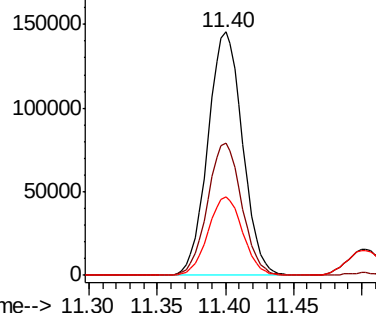


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.222 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	101.4	152.0
129	93.1	80.2	120.4
131	88.6	75.0	112.4

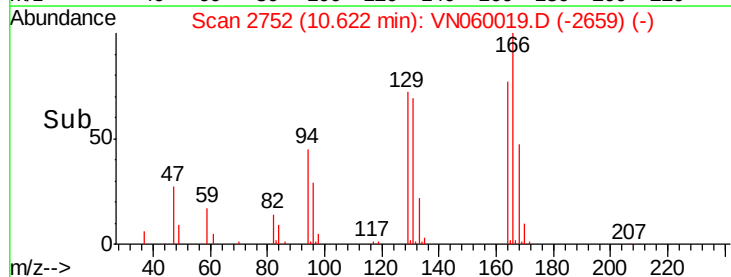
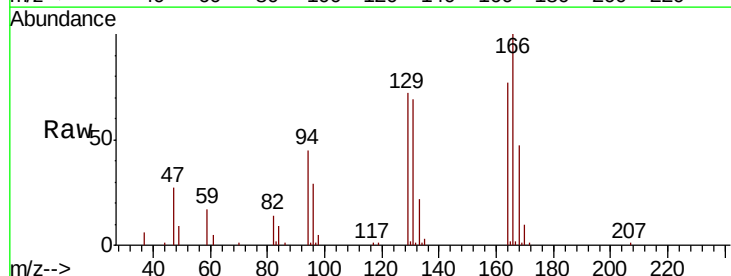
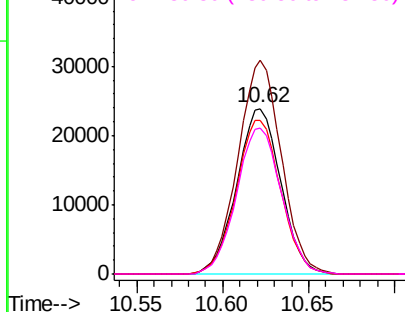
Abundance

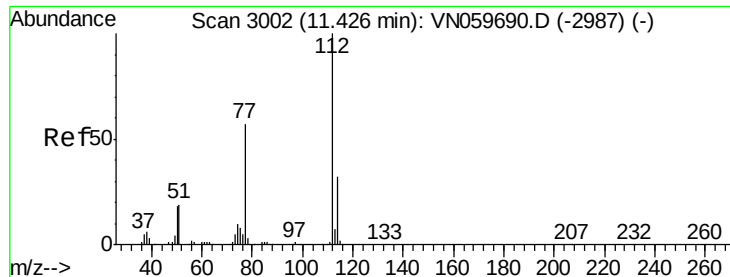
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

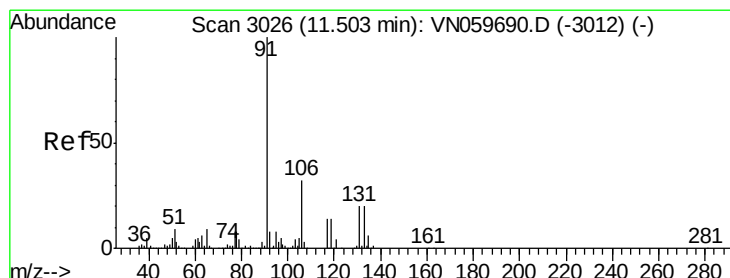
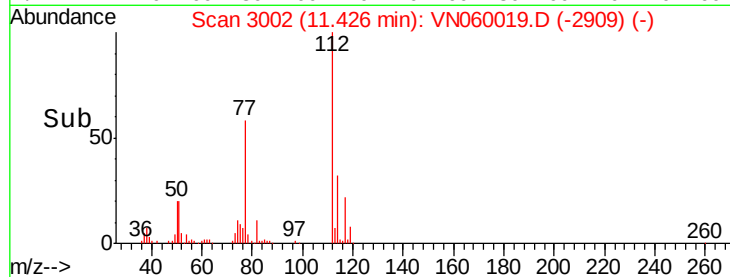
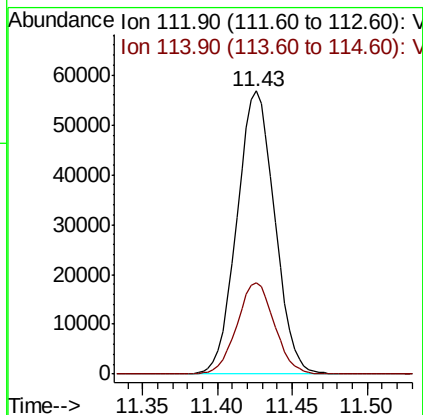
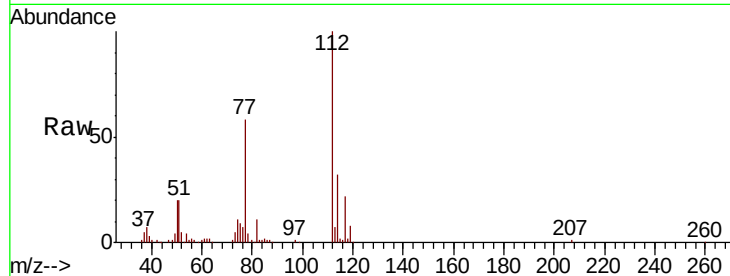




#65
Chlorobenzene
Concen: 19.785 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

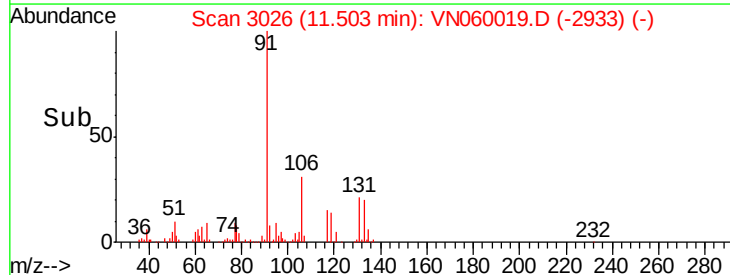
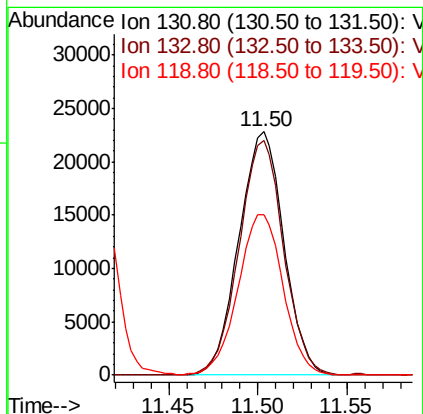
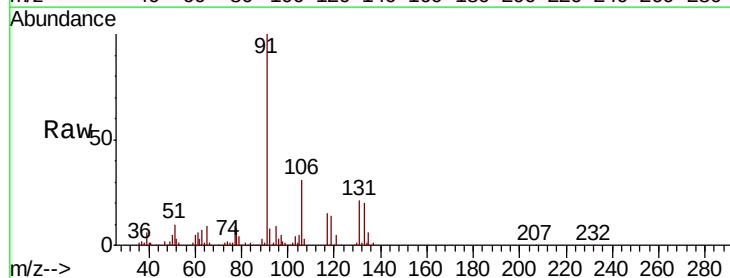
Instrument :
MSVOA_N
ClientSampled :

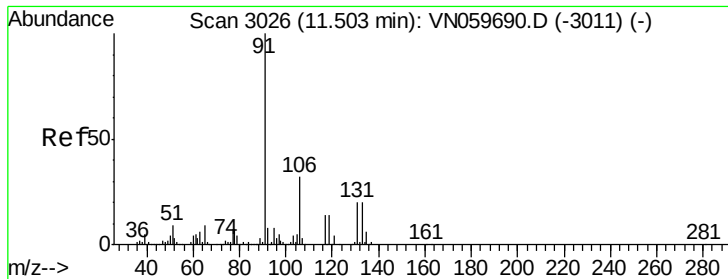
Tot Ion:112 Resp: 99790
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.503 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion:131 Resp: 39959
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.2
119 66.6 33.1 99.3





#67

Ethyl Benzene

Concen: 19.394 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

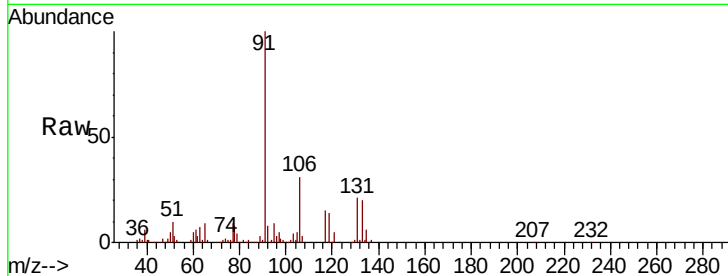
ClientSampled :

Tot Ion: 91 Resp: 177570

Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

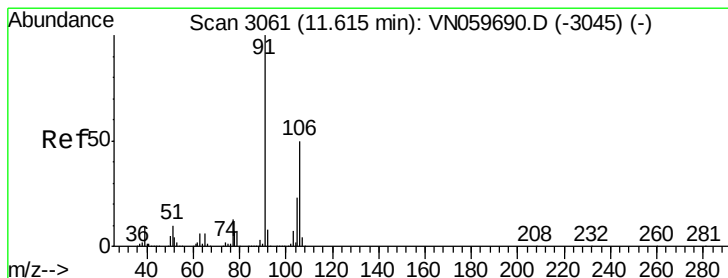
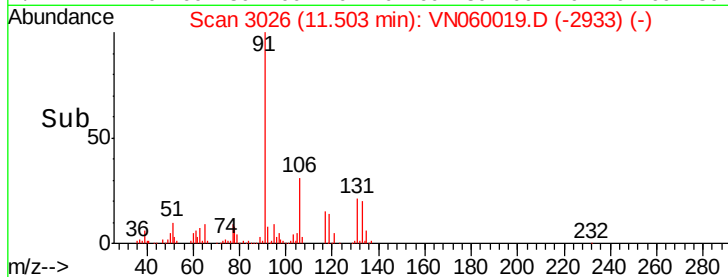
Ion 106.00 (105.70 to 106.70): V

11.50

100000

50000

Time-->



#68

m/p-Xylenes

Concen: 38.557 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060019.D

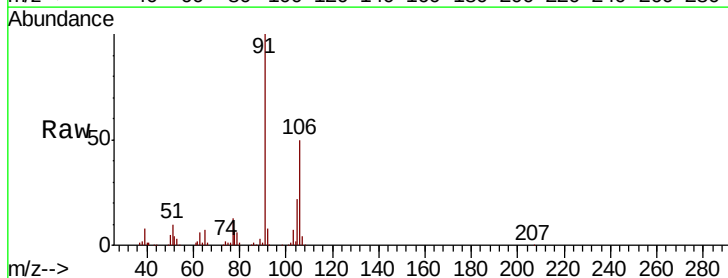
Acq: 7 Feb 2020 10:15

Tgt Ion: 106 Resp: 133354

Ion Ratio Lower Upper

106 100

91 199.3 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

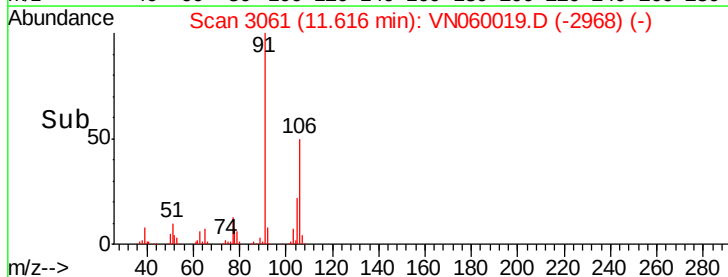
Ion 91.00 (90.70 to 91.70): VN0

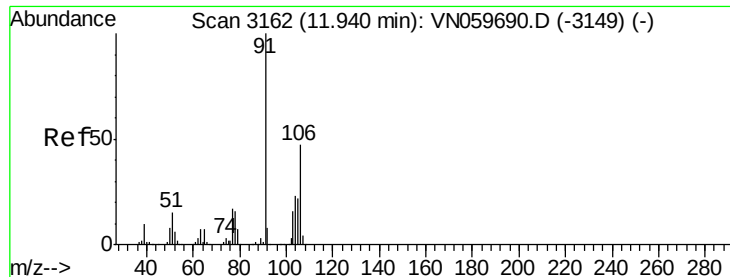
150000

100000

50000

Time-->

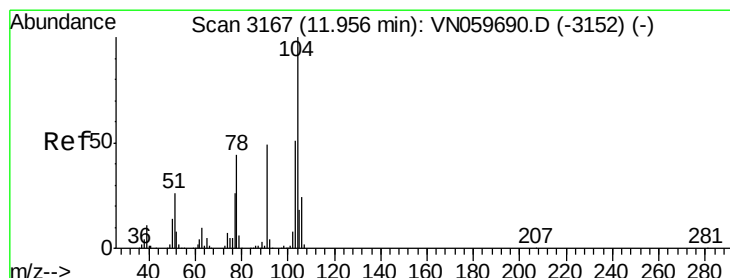
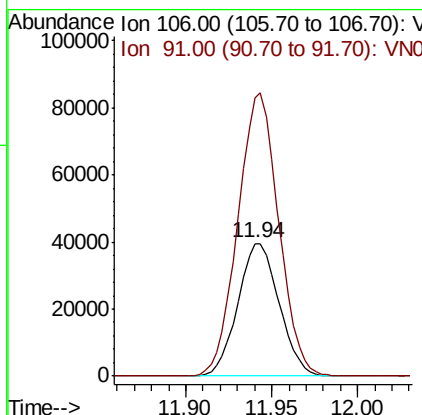
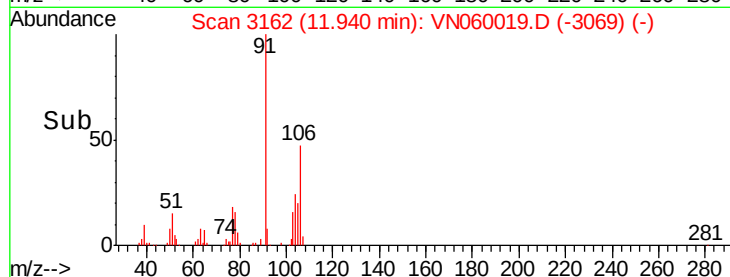
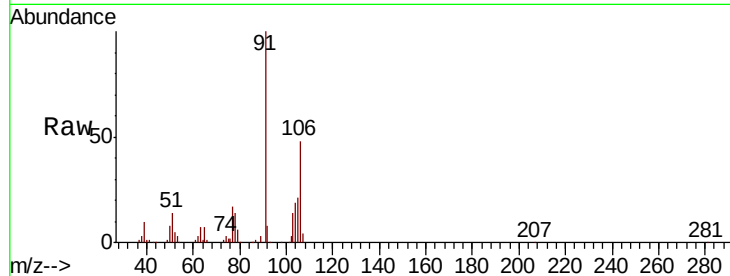




#69
o-Xylene
Concen: 19.445 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

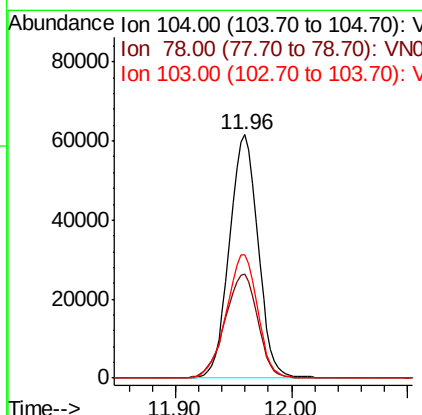
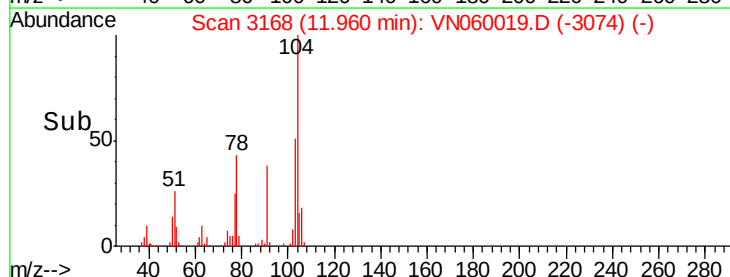
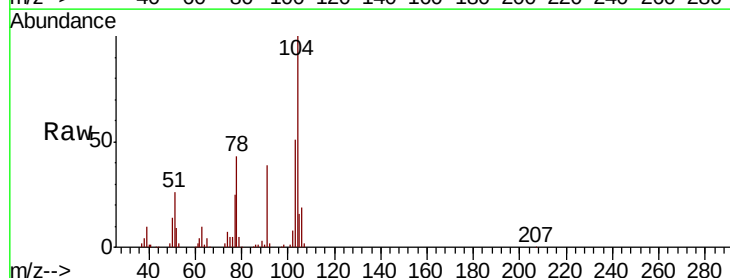
Instrument :
MSVOA_N
ClientSampled :

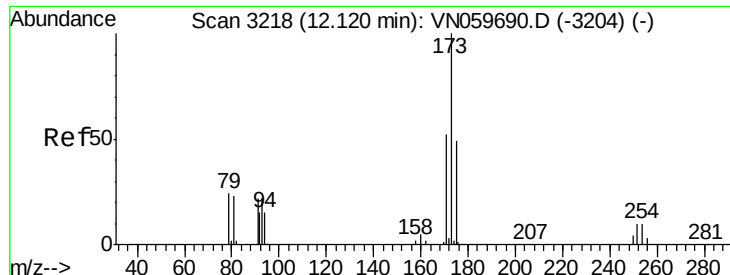
Tot Ion:106 Resp: 65842
Ion Ratio Lower Upper
106 100
91 211.5 110.3 330.9



#70
Styrene
Concen: 18.519 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion:104 Resp: 104929
Ion Ratio Lower Upper
104 100
78 49.0 42.4 63.6
103 55.3 43.9 65.9

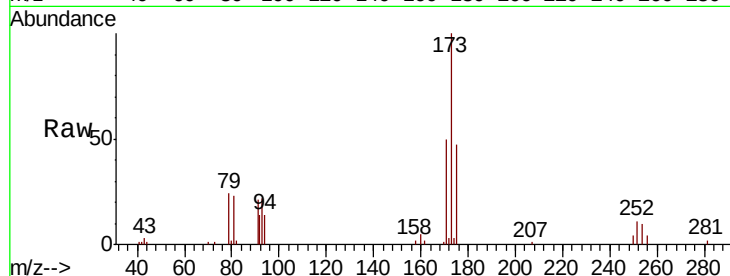




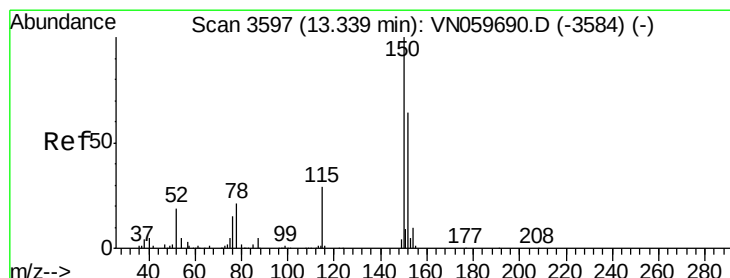
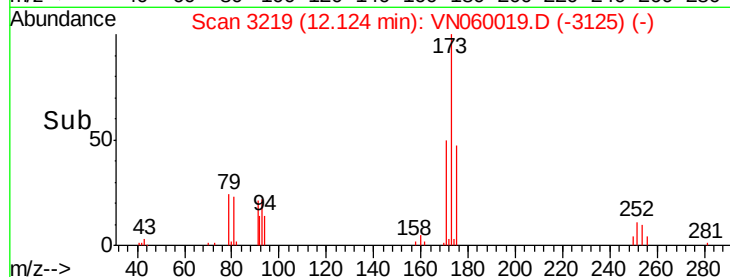
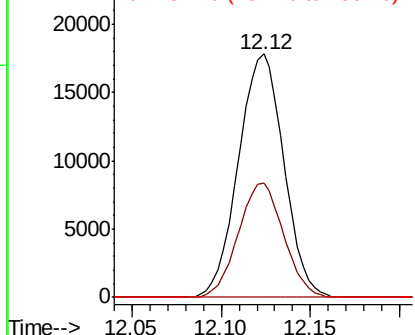
#71
Bromoform
Concen: 20.288 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 31671
Ion Ratio Lower Upper
173 100
175 46.8 23.8 71.4
254 0.0 0.0 0.0

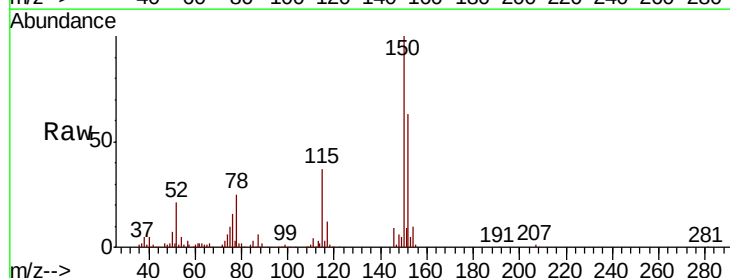


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

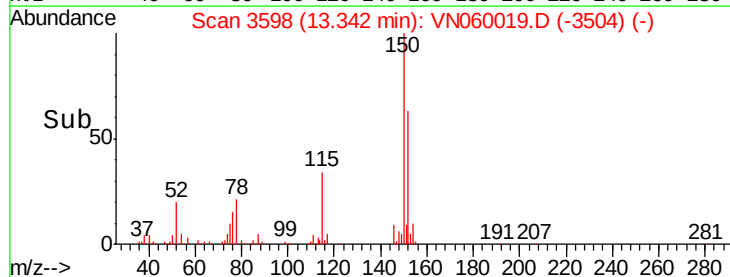
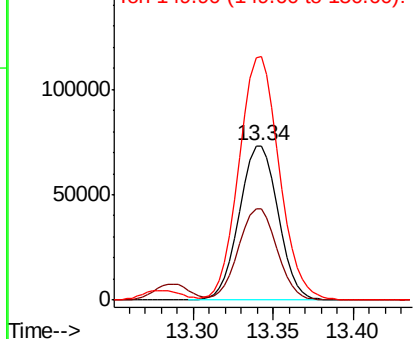


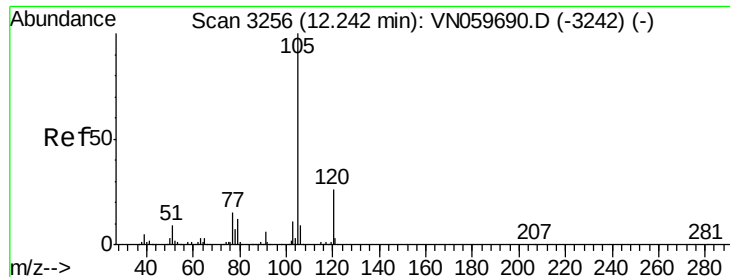
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion:152 Resp: 121333
Ion Ratio Lower Upper
152 100
115 59.0 30.3 90.9
150 163.9 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: 20.046 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

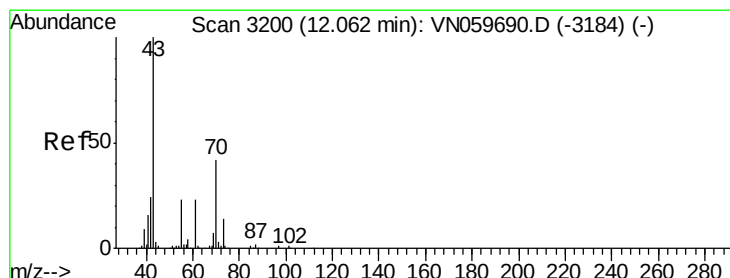
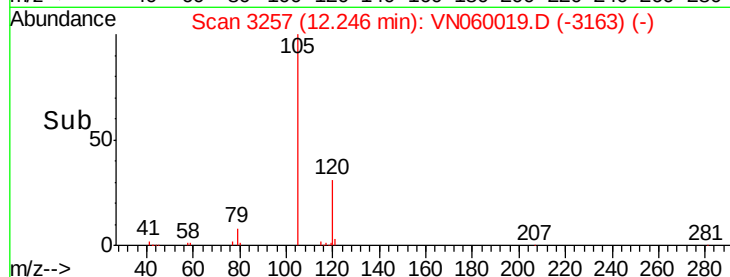
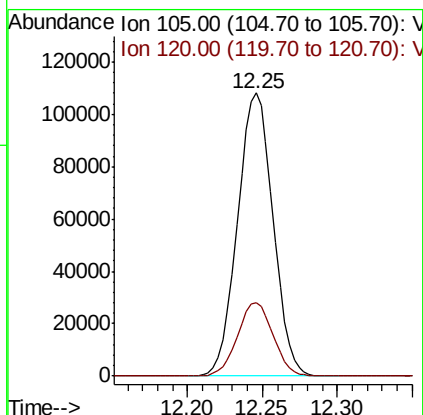
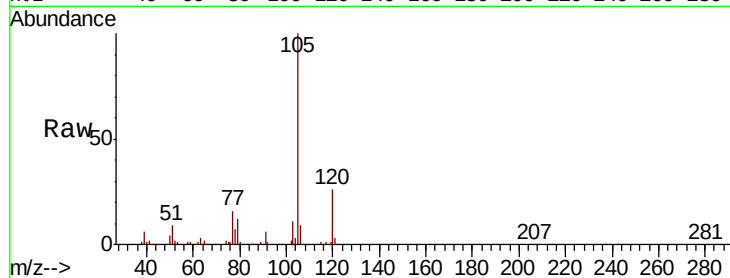
ClientSampleId :

Tot Ion:105 Resp: 178382

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



#74

N-ethyl acetate

Concen: 18.730 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Tgt Ion: 43 Resp: 64672

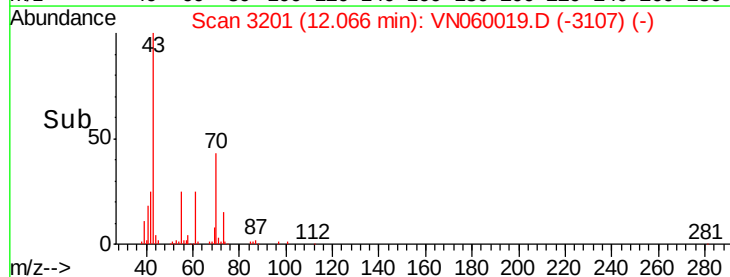
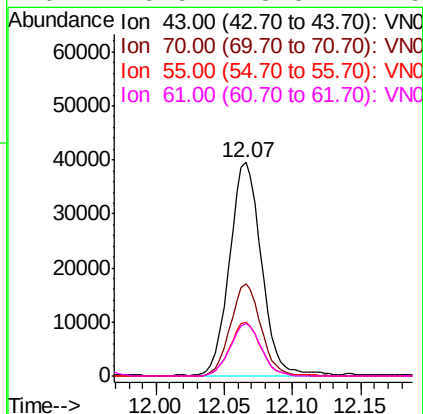
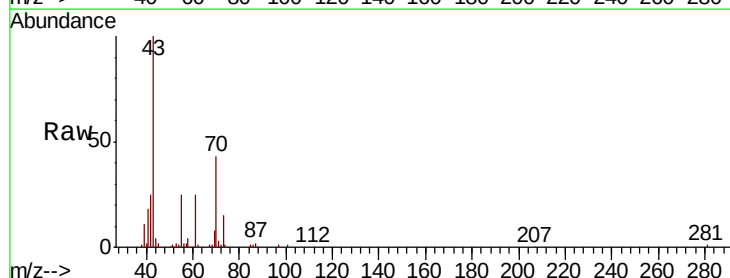
Ion Ratio Lower Upper

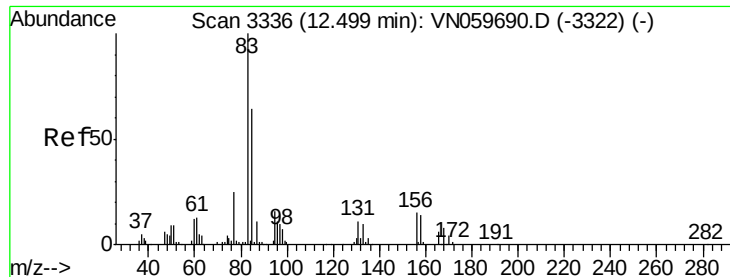
43 100

70 41.0 31.3 46.9

55 24.4 19.8 29.6

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.467 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

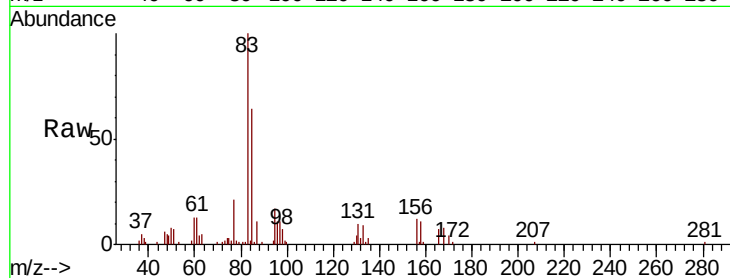
Tot Ion: 83 Resp: 52799

Ion Ratio Lower Upper

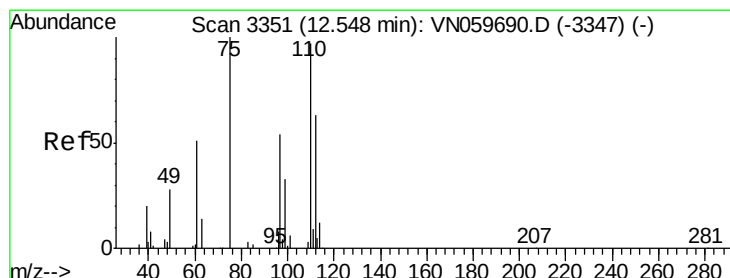
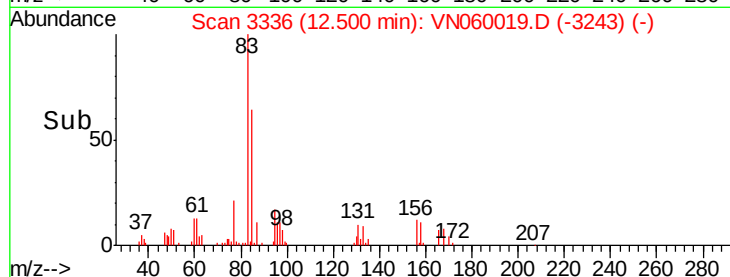
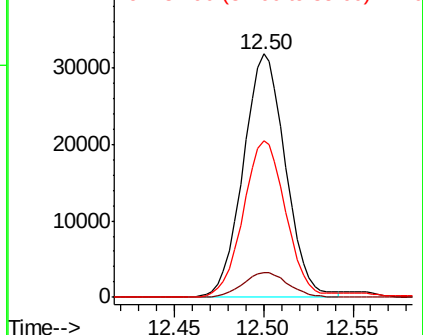
83 100

131 10.9 5.0 14.9

85 64.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 34.687 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060019.D

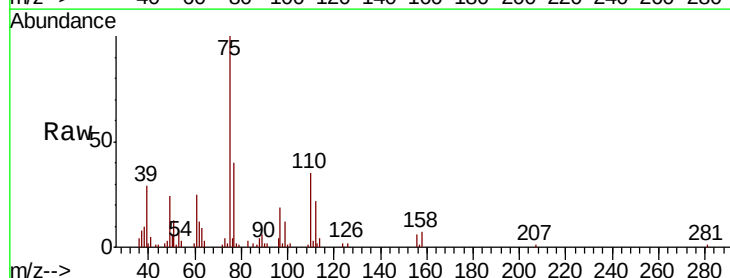
Acq: 7 Feb 2020 10:15

Tgt Ion: 75 Resp: 70827

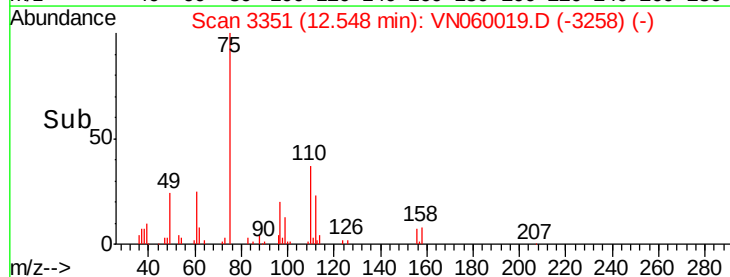
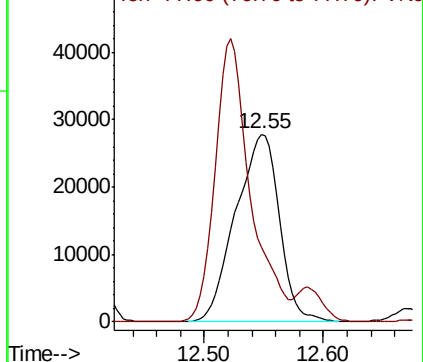
Ion Ratio Lower Upper

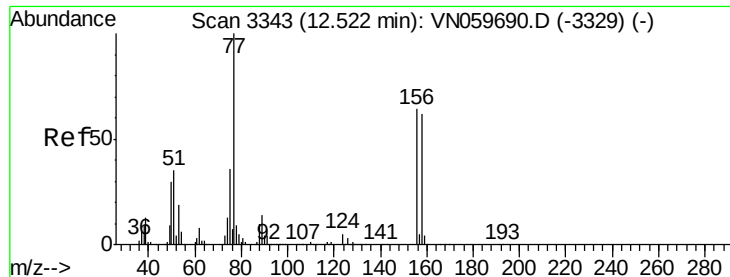
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 19.821 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

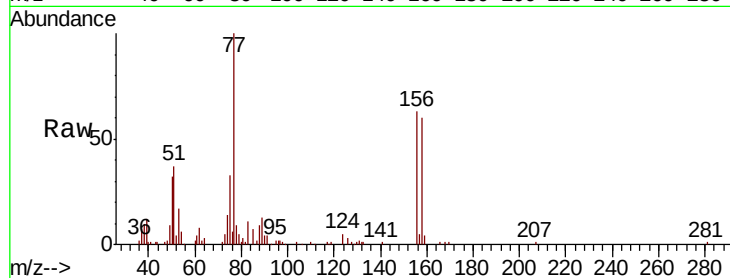
Tot Ion:156 Resp: 44665

Ion Ratio Lower Upper

156 100

77 193.7 115.8 347.4

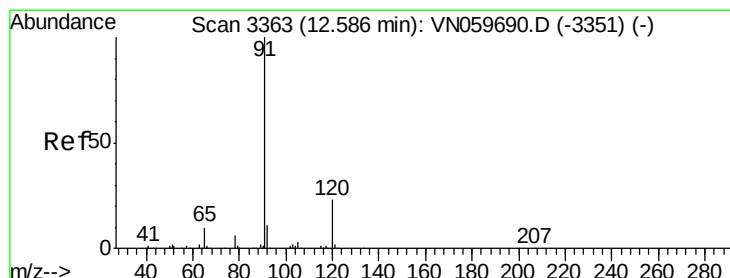
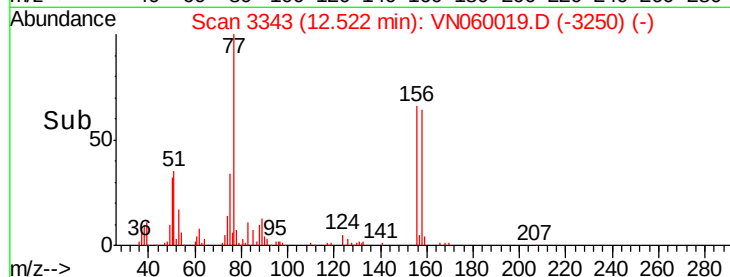
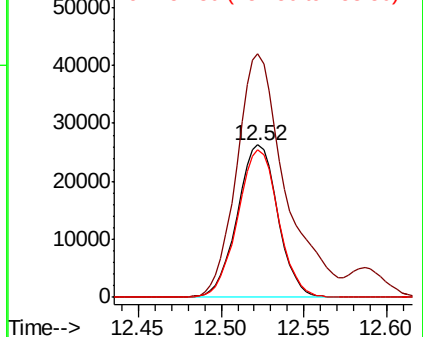
158 97.1 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.689 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060019.D

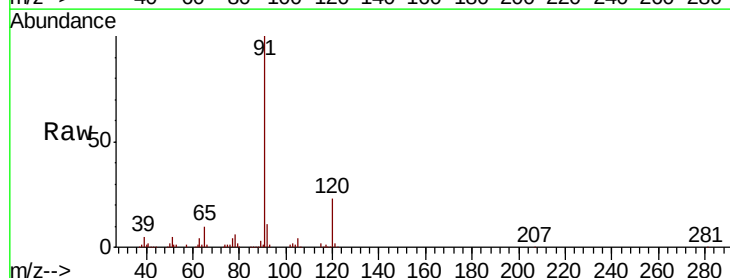
Acq: 7 Feb 2020 10:15

Tgt Ion: 91 Resp: 196644

Ion Ratio Lower Upper

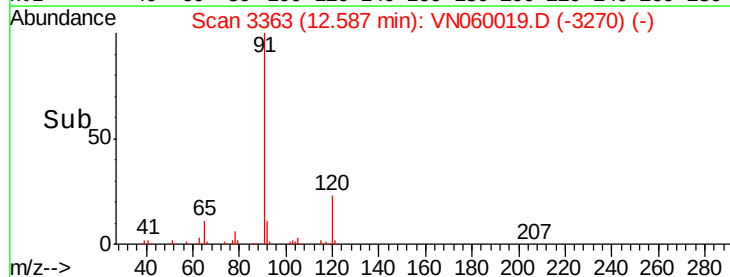
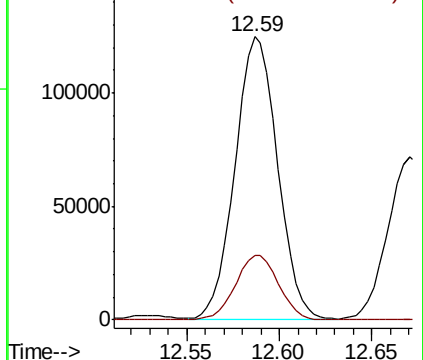
91 100

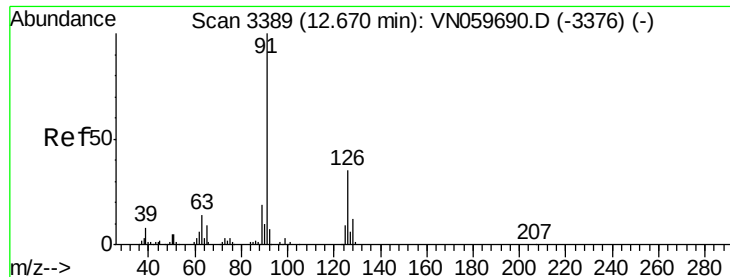
120 23.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.906 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

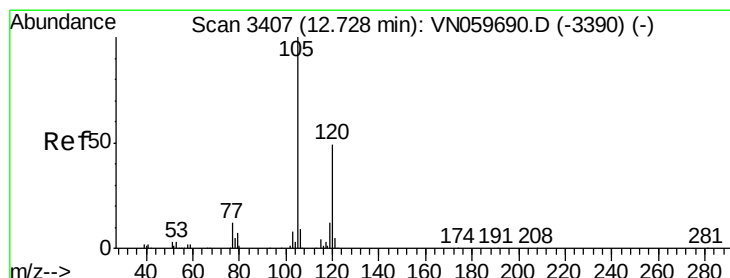
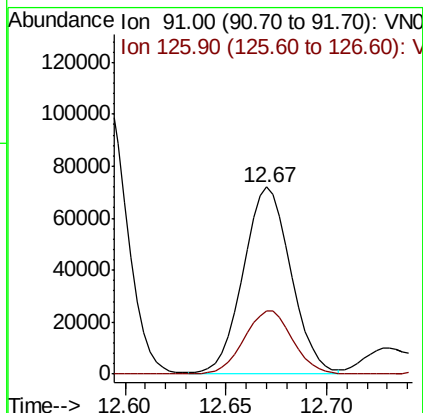
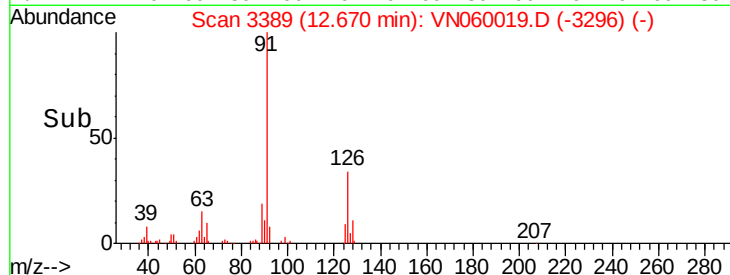
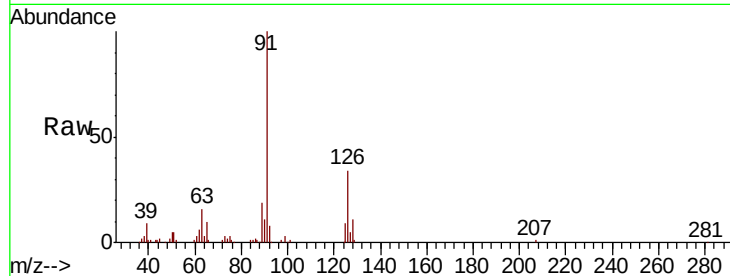
ClientSampleId :

Tot Ion: 91 Resp: 118275

Ion Ratio Lower Upper

91 100

126 34.5 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 19.906 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060019.D

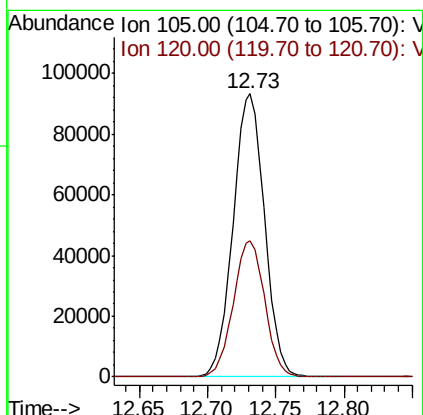
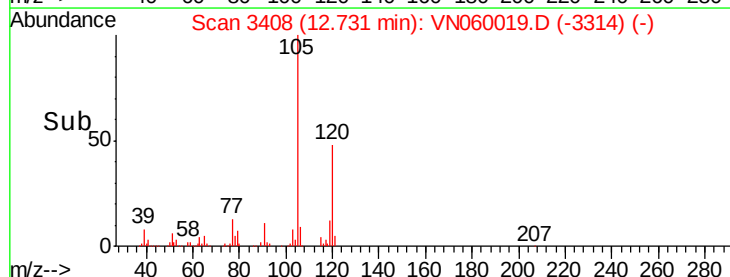
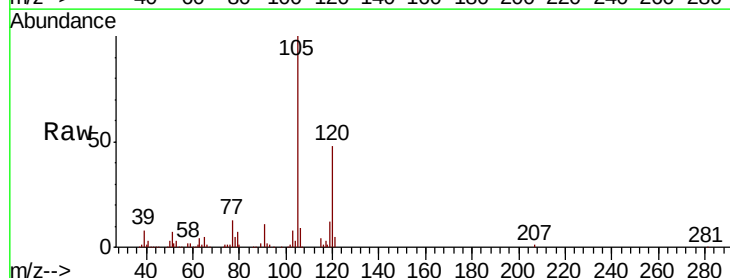
Acq: 7 Feb 2020 10:15

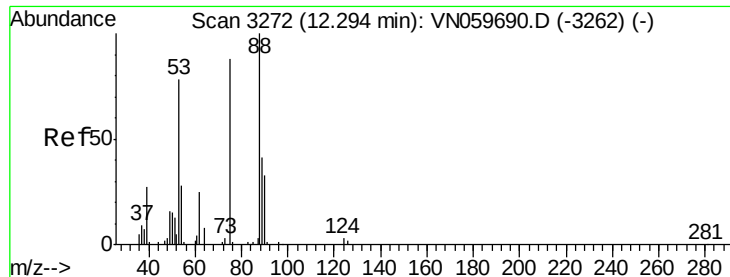
Tgt Ion: 105 Resp: 148966

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.570 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampled :

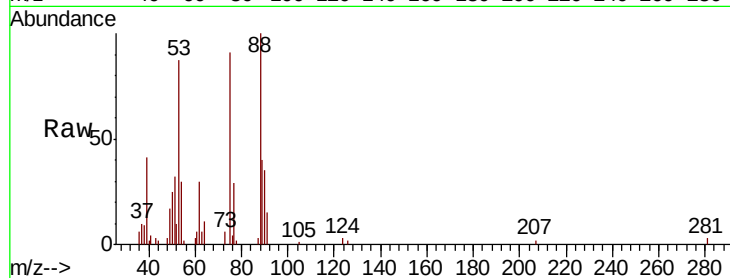
Tot Ion: 75 Resp: 18608

Ion Ratio Lower Upper

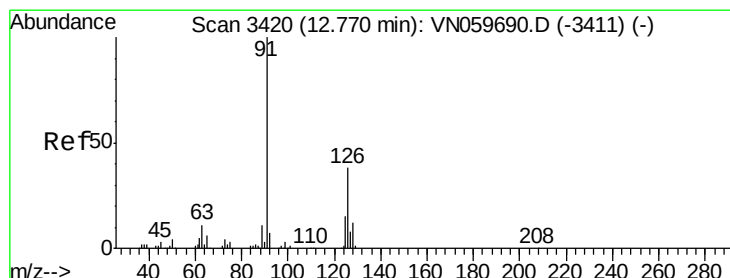
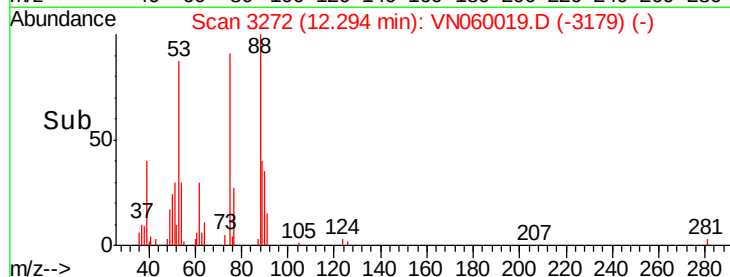
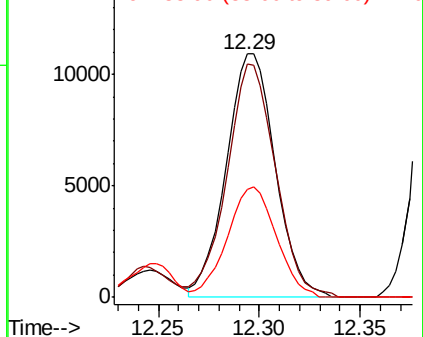
75 100

53 95.0 78.1 117.1

89 45.3 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.194 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060019.D

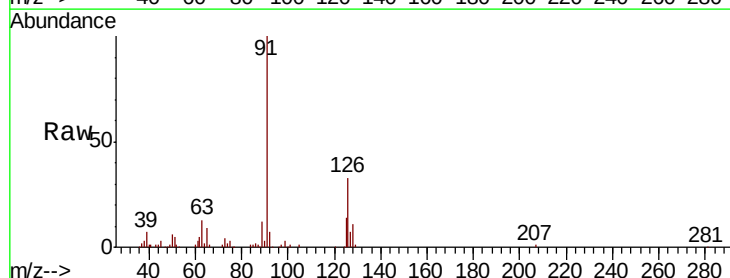
Acq: 7 Feb 2020 10:15

Tgt Ion: 91 Resp: 120347

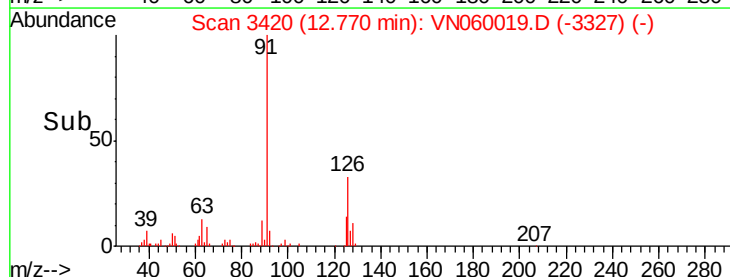
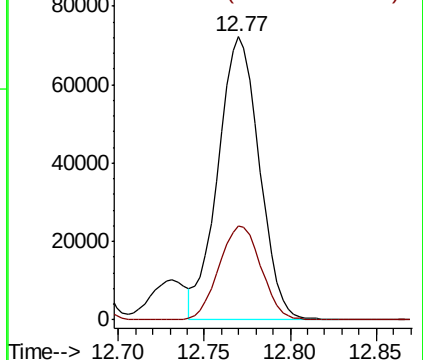
Ion Ratio Lower Upper

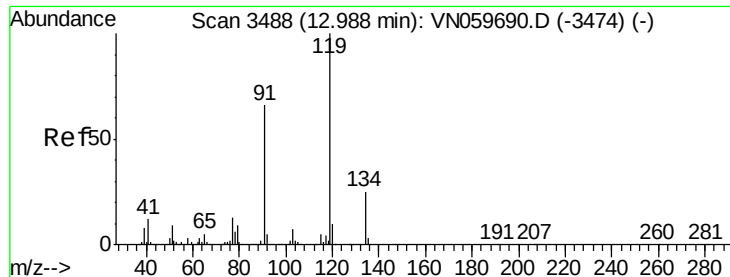
91 100

126 33.8 16.3 48.8



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

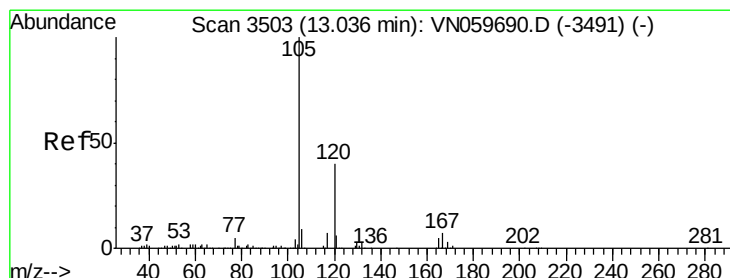
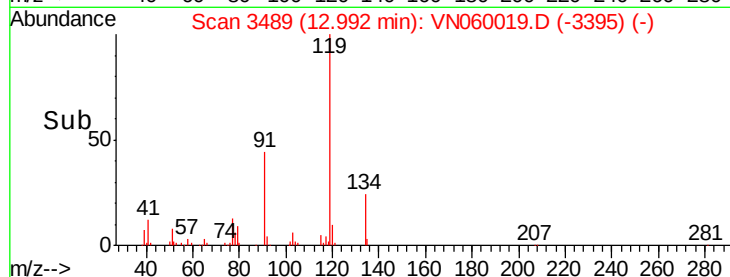
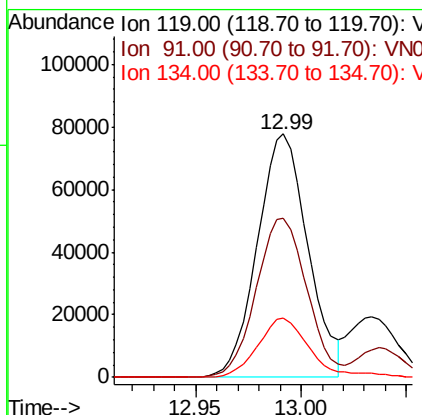
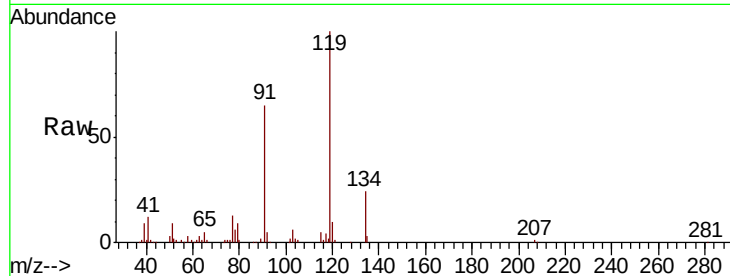




#83
 tert-Butylbenzene
 Concen: 20.057 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

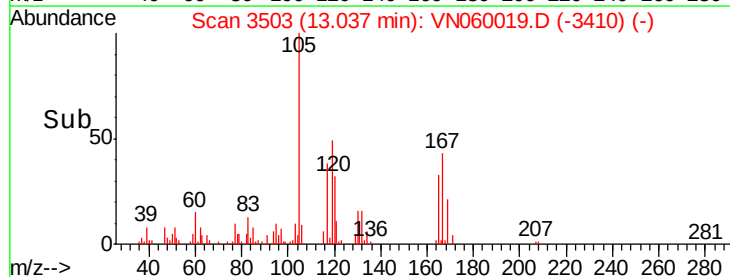
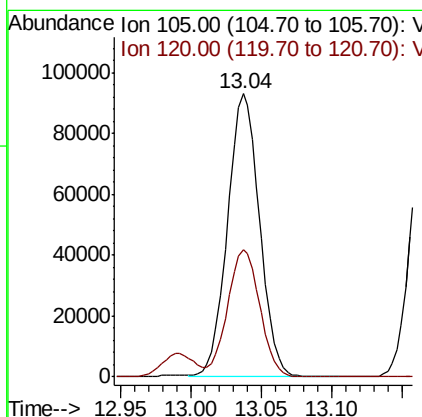
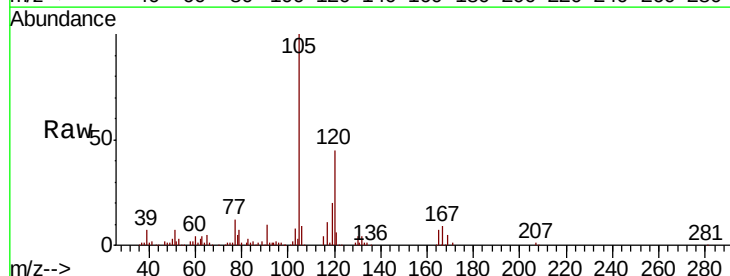
Instrument :
 MSVOA_N
 ClientSampled :

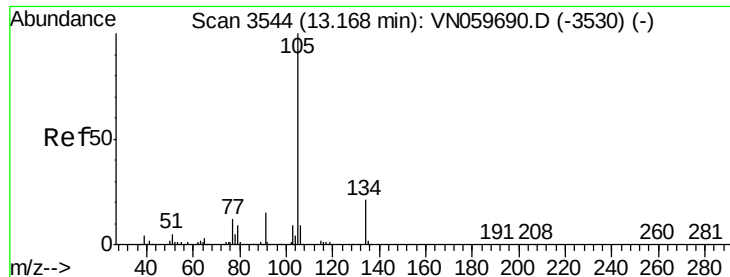
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	34.8	104.4
134	25.0	12.3	36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.987 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.3	66.9

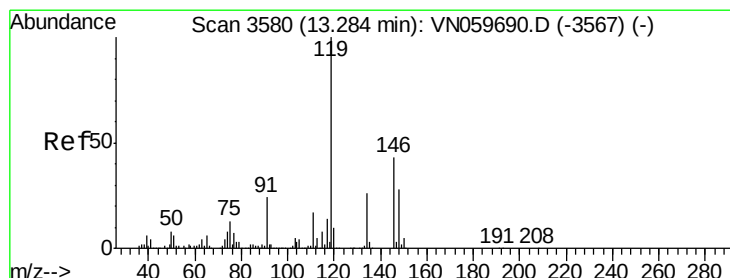
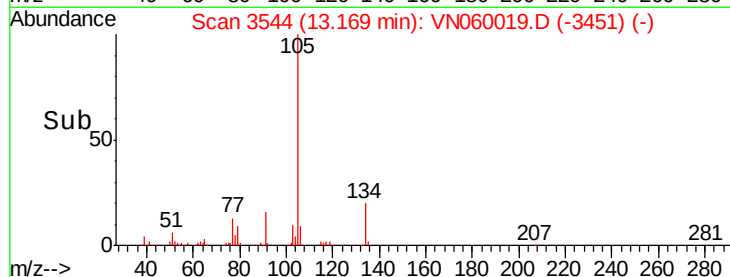
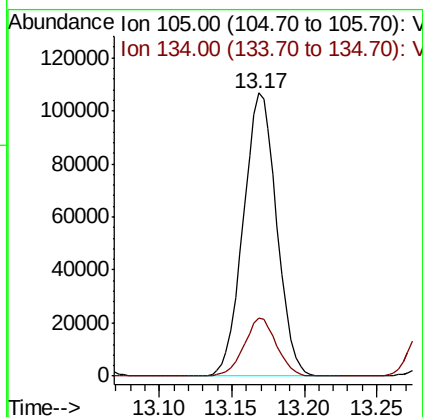
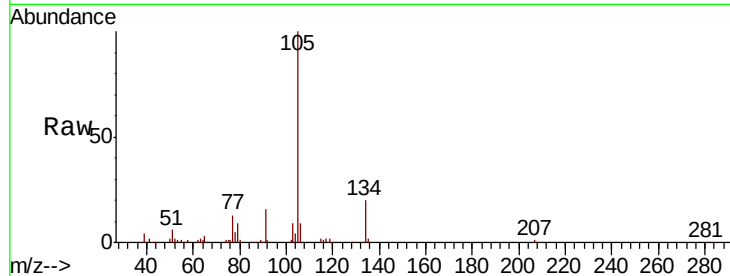




#85
 sec-Butylbenzene
 Concen: 20.022 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

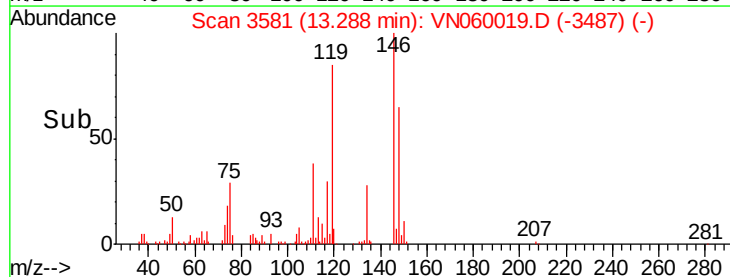
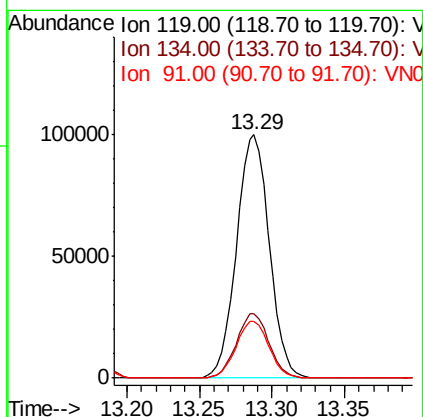
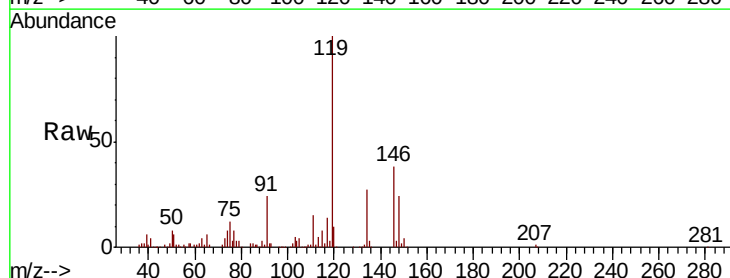
Instrument :
 MSVOA_N
 ClientSampleId :

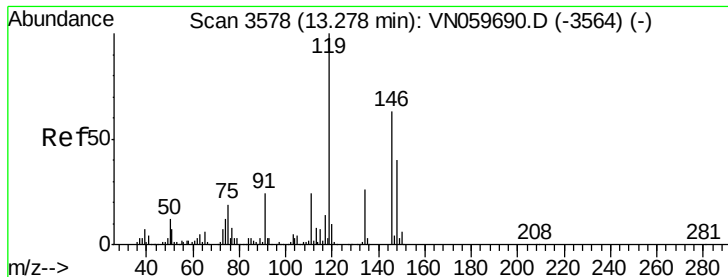
Tot Ion:105 Resp: 170266
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 19.927 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion:119 Resp: 156797
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.9 38.7
 91 23.6 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 19.556 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampled :

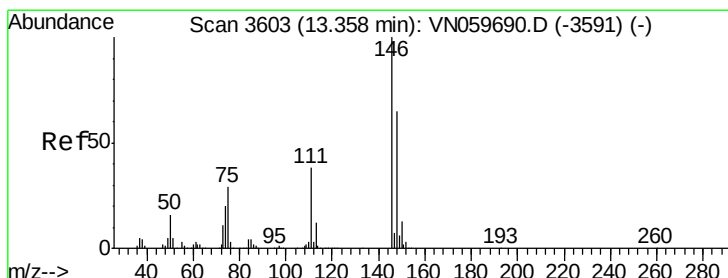
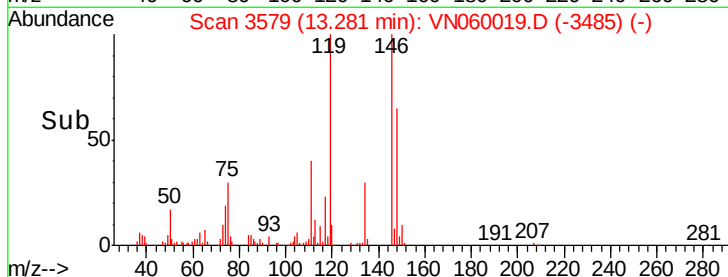
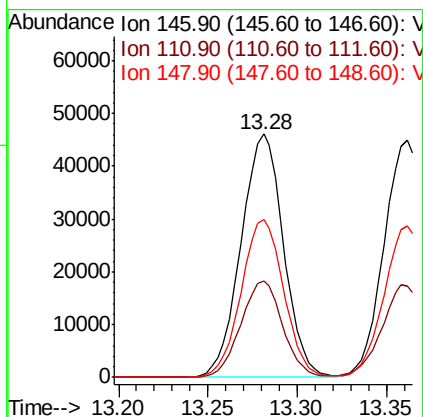
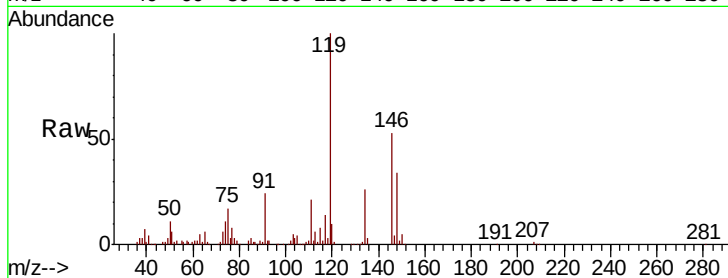
Tot Ion:146 Resp: 76548

Ion Ratio Lower Upper

146 100

111 39.0 20.8 62.2

148 65.1 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 19.489 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

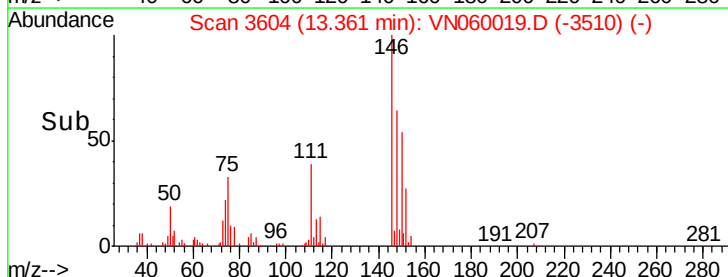
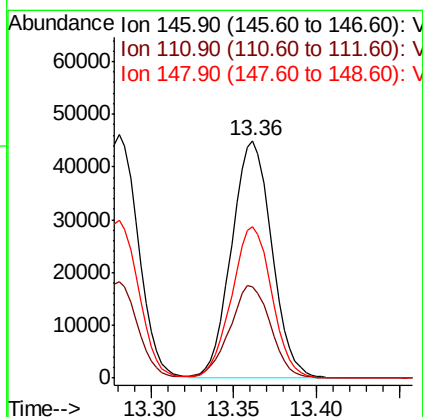
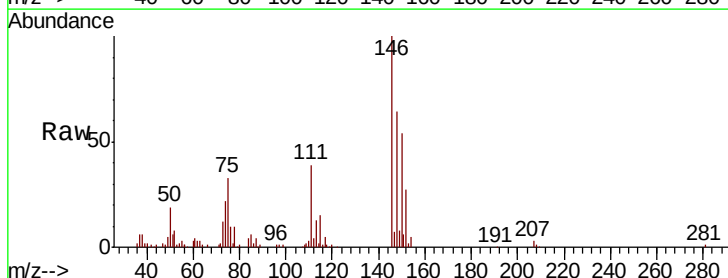
Tgt Ion:146 Resp: 76102

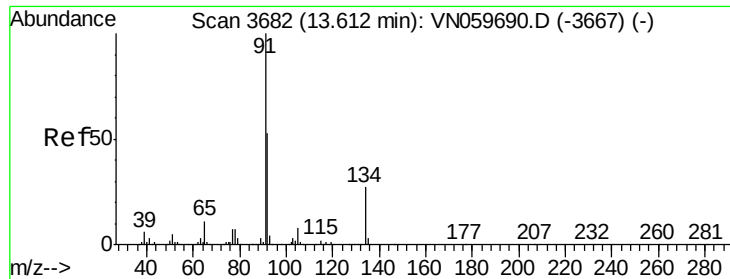
Ion Ratio Lower Upper

146 100

111 40.1 20.8 62.2

148 63.7 31.8 95.4

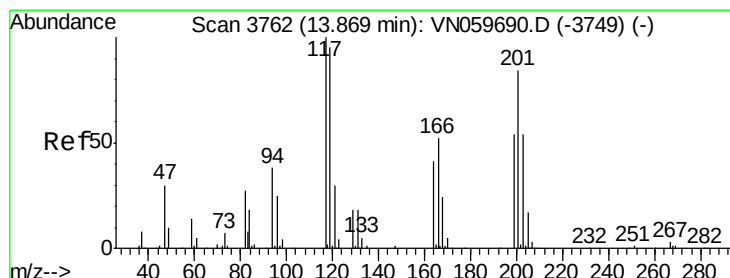
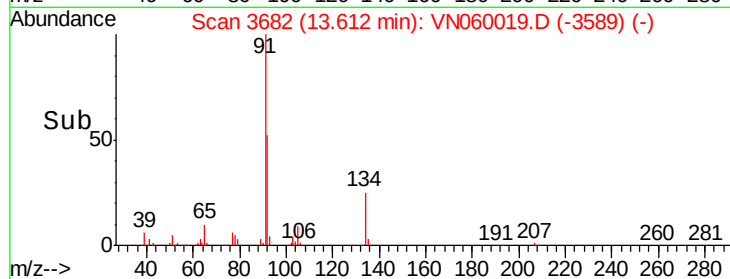
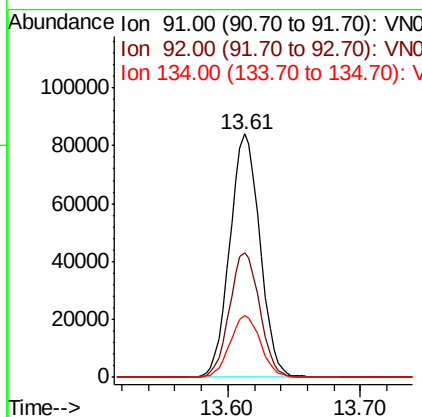
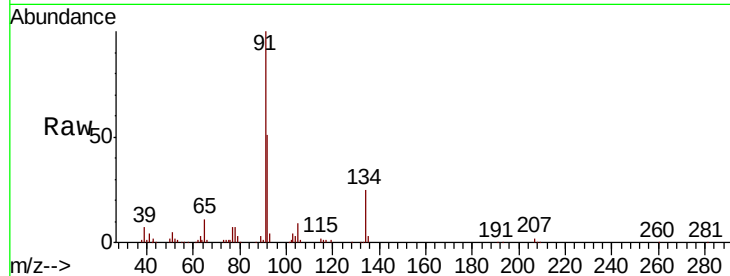




#89
n-Butylbenzene
Concen: 19.801 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

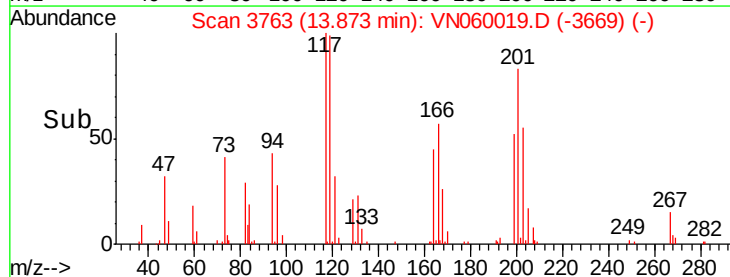
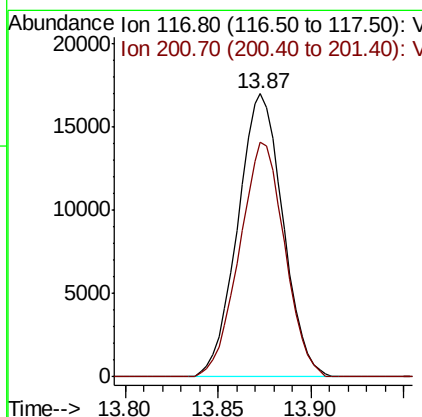
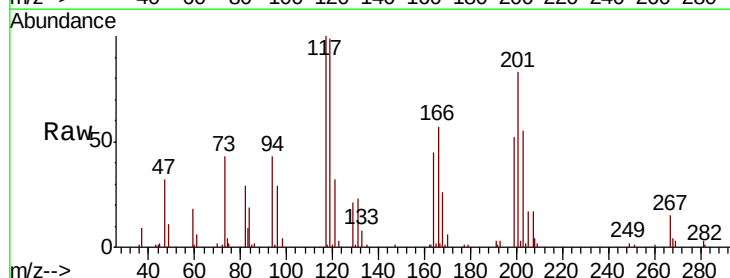
Instrument :
MSVOA_N
Client Sampled :

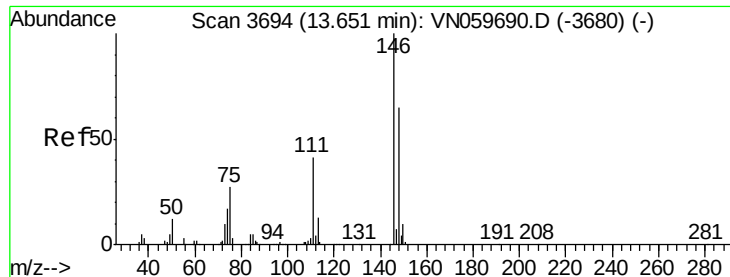
Tot Ion: 91 Resp: 132845
Ion Ratio Lower Upper
91 100
92 51.4 25.9 77.7
134 25.7 12.3 36.8



#90
Hexachloroethane
Concen: 19.650 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 117 Resp: 28929
Ion Ratio Lower Upper
117 100
201 82.7 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 20.138 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

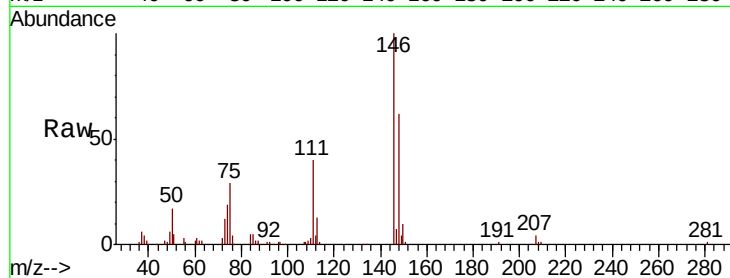
Tot Ion:146 Resp: 77930

Ion Ratio Lower Upper

146 100

111 40.8 21.6 64.8

148 63.4 31.6 95.0

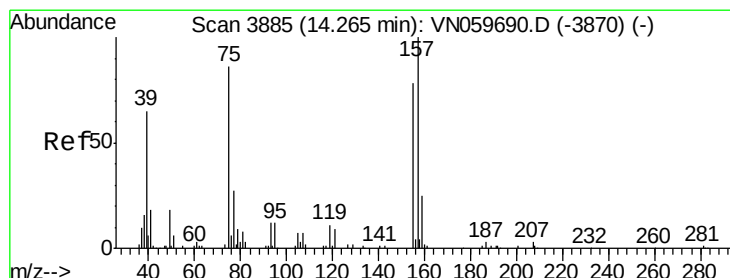
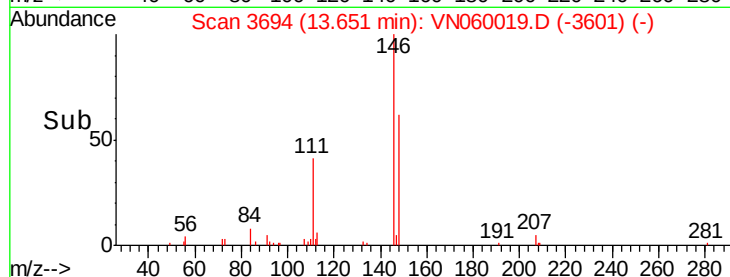
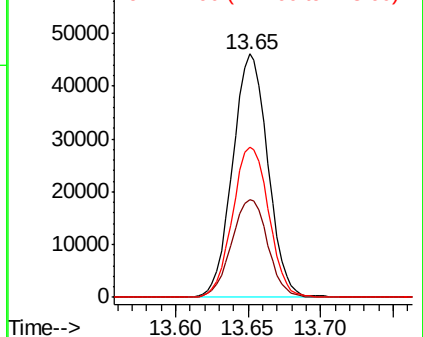


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.458 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

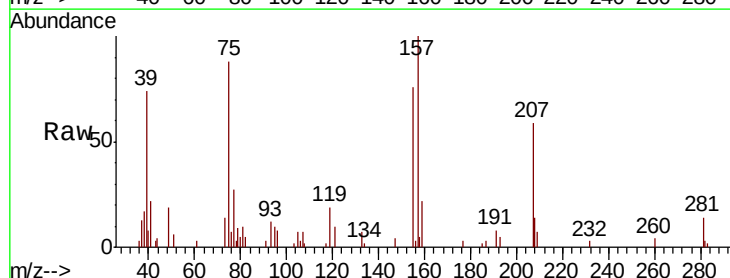
Tgt Ion: 75 Resp: 11480

Ion Ratio Lower Upper

75 100

155 83.2 37.0 110.9

157 104.5 48.4 145.2

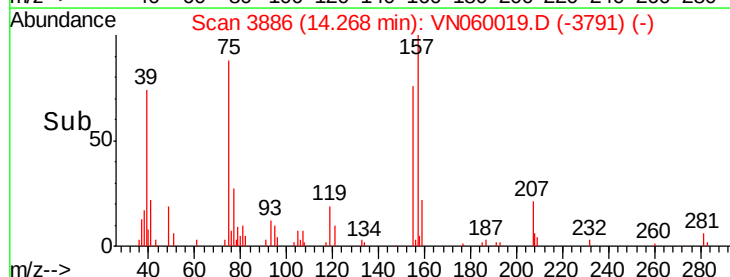
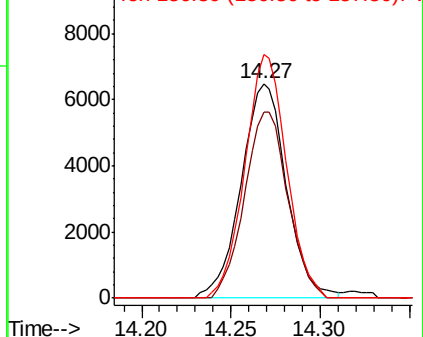


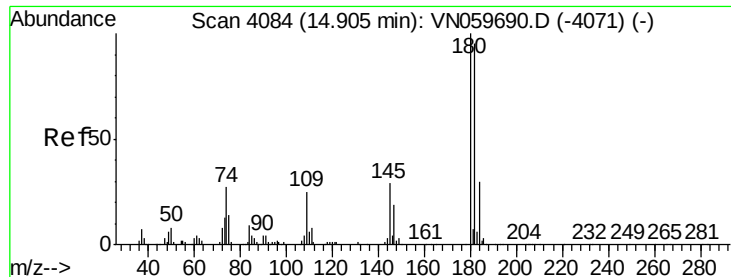
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.690 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

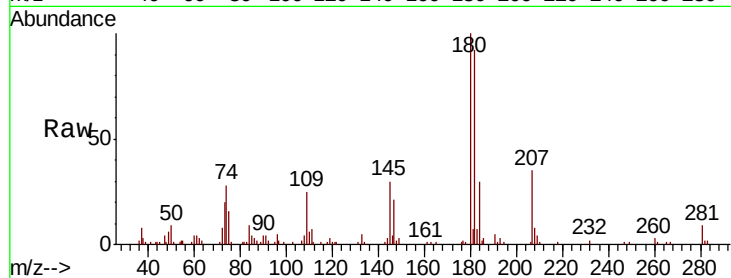
Tot Ion:180 Resp: 45784

Ion Ratio Lower Upper

180 100

182 92.5 46.9 140.7

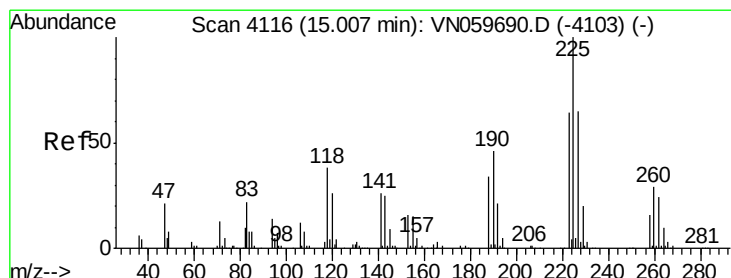
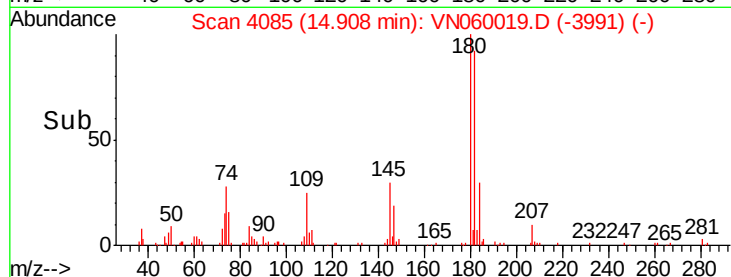
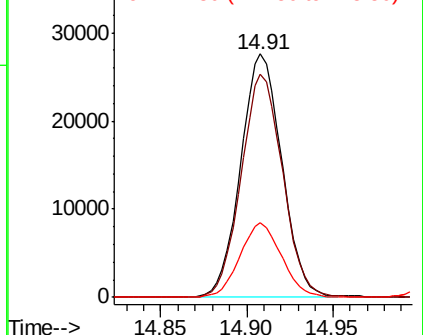
145 30.7 15.0 45.1



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: 19.846 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

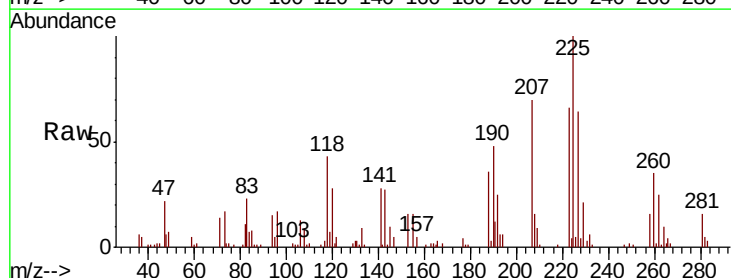
Tgt Ion:225 Resp: 25430

Ion Ratio Lower Upper

225 100

223 64.2 31.8 95.3

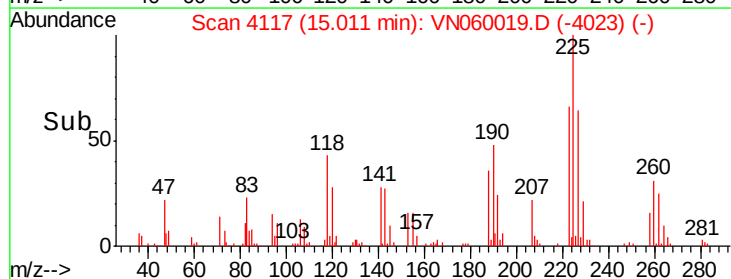
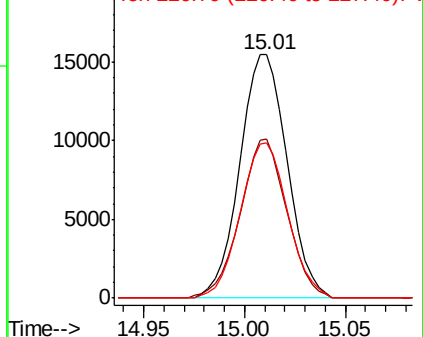
227 63.9 32.1 96.5

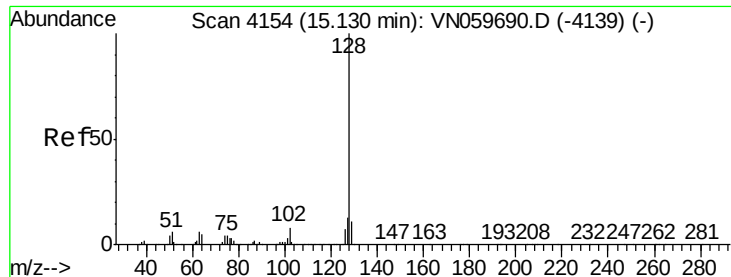


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.655 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

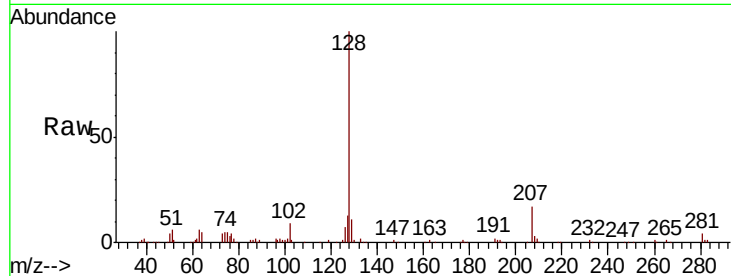
Tot Ion:128 Resp: 123380

Ion Ratio Lower Upper

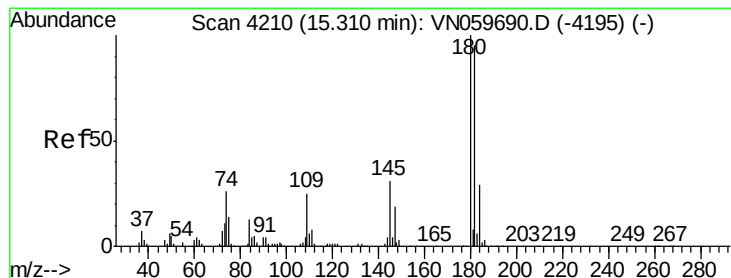
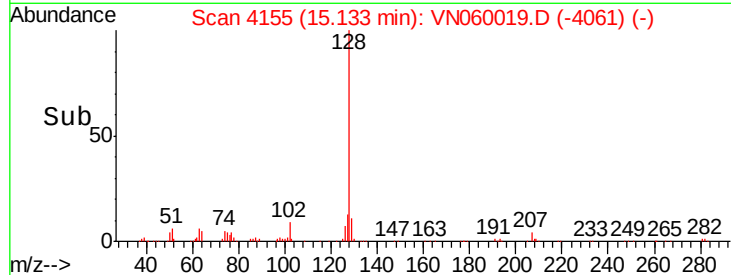
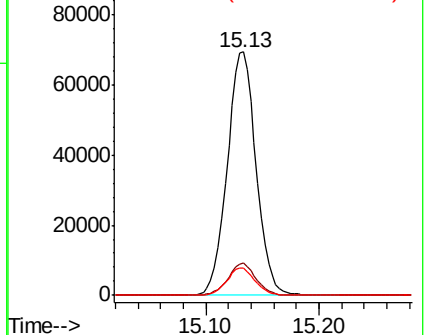
128 100

127 12.6 10.4 15.6

129 11.0 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 20.352 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

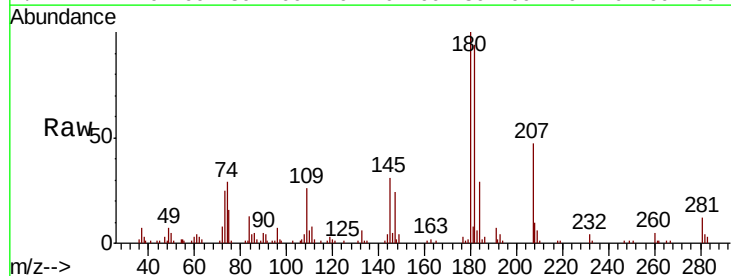
Tgt Ion:180 Resp: 46064

Ion Ratio Lower Upper

180 100

182 93.1 47.4 142.3

145 31.0 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

