

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022520\
 Data File : VN060219.D
 Acq On : 25 Feb 2020 8:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 25 15:44:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147087	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	112309	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	7.56	113	89928	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.08	98	348209	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.40	95	133023	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	94522	49.19	ug/l	98
3) Chloromethane	2.04	50	104085	45.51	ug/l	100
4) Vinyl Chloride	2.17	62	121938	46.78	ug/l	98
5) Bromomethane	2.54	94	74676	46.72	ug/l	98
6) Chloroethane	2.68	64	63640	48.27	ug/l	99
7) Trichlorofluoromethane	3.00	101	165811	49.34	ug/l	99
8) Diethyl Ether	3.38	74	57691	51.57	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95671	51.27	ug/l	99
10) Methyl Iodide	3.93	142	126111	50.28	ug/l	99
11) Tert butyl alcohol	4.73	59	78521	224.30	ug/l	99
12) 1,1-Dichloroethene	3.72	96	90491	49.78	ug/l	99
13) Acrolein	3.58	56	75199	217.32	ug/l	95
14) Allyl chloride	4.29	41	132096	49.38	ug/l	98
15) Acrylonitrile	4.94	53	222019	259.69	ug/l	100
16) Acetone	3.78	43	275875	270.35	ug/l	98
17) Carbon Disulfide	4.03	76	247387	45.15	ug/l	100
18) Methyl Acetate	4.29	43	103820	54.16	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	312012	51.04	ug/l	99
20) Methylene Chloride	4.52	84	102371	50.28	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	99208	50.07	ug/l	99
22) Diisopropyl ether	5.91	45	306995	52.36	ug/l	97
23) Vinyl Acetate	5.86	43	1287086	261.40	ug/l	99
24) 1,1-Dichloroethane	5.82	63	182377	51.35	ug/l	99
25) 2-Butanone	6.80	43	343616	267.74	ug/l	98
26) 2,2-Dichloropropane	6.79	77	174379	51.69	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	117188	50.54	ug/l	99
28) Bromochloromethane	7.17	49	69820	50.00	ug/l	99
29) Tetrahydrofuran	7.18	42	196247	249.26	ug/l	98
30) Chloroform	7.35	83	193454	51.99	ug/l	100
31) Cyclohexane	7.63	56	160286	48.44	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	176220	51.83	ug/l	100
36) 1,1-Dichloropropene	7.77	75	143227	51.90	ug/l	99
37) Ethyl Acetate	6.89	43	128606	51.57	ug/l	99
38) Carbon Tetrachloride	7.75	117	153879	51.34	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	175890	51.35	ug/l	98
40) Benzene	8.02	78	421112	51.44	ug/l	100
41) Methacrylonitrile	7.18	41	183028	174.99	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	152056	53.00	ug/l	99
43) Isopropyl Acetate	8.14	43	223772	52.49	ug/l	100
44) Trichloroethene	8.82	130	116397	51.35	ug/l	98
45) 1,2-Dichloropropane	9.10	63	109909	54.23	ug/l	100
46) Dibromomethane	9.19	93	75993	53.06	ug/l	100
47) Bromodichloromethane	9.39	83	157340	54.04	ug/l	97
48) Methyl methacrylate	9.18	41	100404	52.49	ug/l	99
49) 1,4-Dioxane	9.18	88	32031	980.07	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	657914	266.61	ug/l	100
52) Toluene	10.14	92	278027	52.96	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	178464	54.30	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	185945	53.73	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	108610	53.03	ug/l	99
56) Ethyl methacrylate	10.42	69	160423	55.38	ug/l	99
57) 1,3-Dichloropropane	10.70	76	177847	52.63	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	316582	234.57	ug/l	99
59) 2-Hexanone	10.74	43	523396	274.57	ug/l	99
60) Dibromochloromethane	10.89	129	128056	54.49	ug/l	99
61) 1,2-Dibromoethane	11.00	107	115493	53.80	ug/l	100
64) Tetrachloroethene	10.62	164	110319	51.49	ug/l	99
65) Chlorobenzene	11.43	112	300919	52.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	116929	53.83	ug/l	100
67) Ethyl Benzene	11.51	91	553090	53.41	ug/l	100
68) m/p-Xylenes	11.62	106	416781	107.23	ug/l	100
69) o-Xylene	11.94	106	199603	53.33	ug/l	99
70) Styrene	11.96	104	333184	55.21	ug/l	100
71) Bromoform	12.12	173	96485	55.22	ug/l #	98
73) Isopropylbenzene	12.25	105	549686	50.05	ug/l	99
74) N-amyl acetate	12.07	43	205526	51.89	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	160171	50.66	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	214012	76.05	ug/l #	100
77) Bromobenzene	12.52	156	136505	50.08	ug/l	99
78) n-propylbenzene	12.59	91	640860	51.21	ug/l	100
79) 2-Chlorotoluene	12.67	91	369632	50.25	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	469244	51.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59105	51.43	ug/l	100
82) 4-Chlorotoluene	12.77	91	388932	51.54	ug/l	99
83) tert-Butylbenzene	12.99	119	399598	49.46	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	468487	51.97	ug/l	100
85) sec-Butylbenzene	13.17	105	545641	51.00	ug/l	100
86) p-Isopropyltoluene	13.29	119	504550	52.05	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	253152	52.47	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251490	52.13	ug/l	99
89) n-Butylbenzene	13.61	91	454740	53.33	ug/l	100
90) Hexachloroethane	13.87	117	92788	51.24	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	243567	51.58	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32469	48.27	ug/l	99

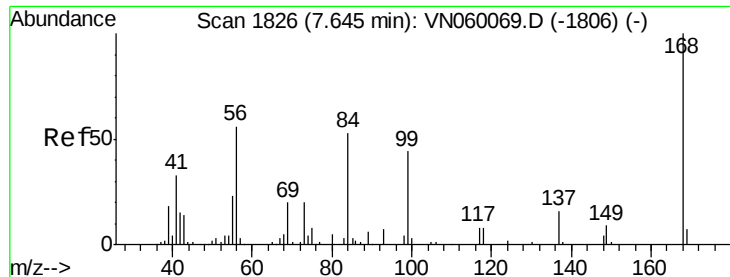
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	149576	53.91	ug/l	100
94) Hexachlorobutadiene	15.01	225	84197	51.84	ug/l	99
95) Naphthalene	15.13	128	375813	50.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142050	51.41	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

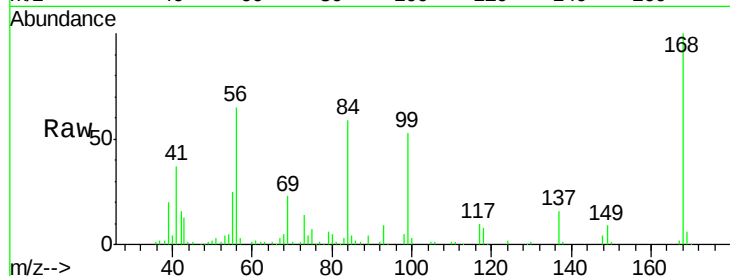
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 192253

Ion Ratio Lower Upper

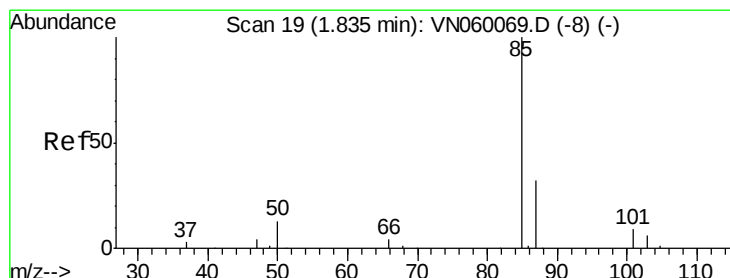
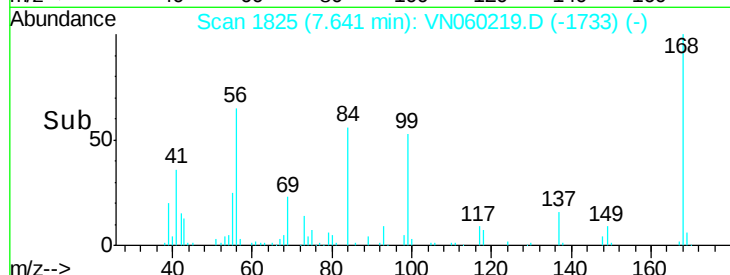
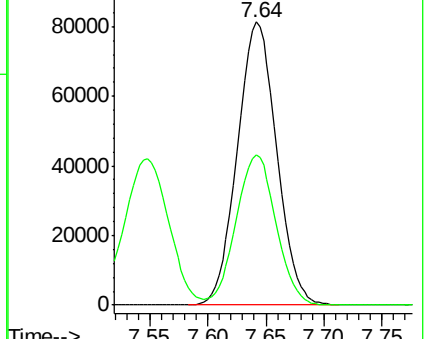
168 100

99 52.7 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 49.19 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060219.D

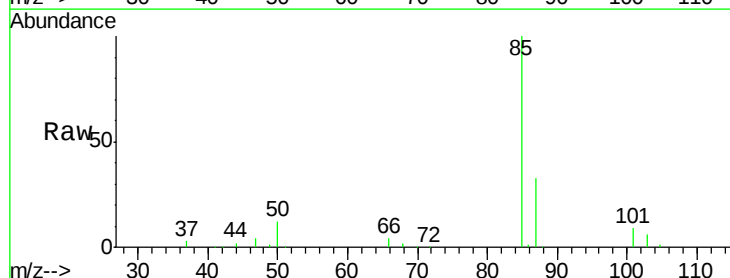
Acq: 25 Feb 2020 8:55

Tgt Ion: 85 Resp: 94522

Ion Ratio Lower Upper

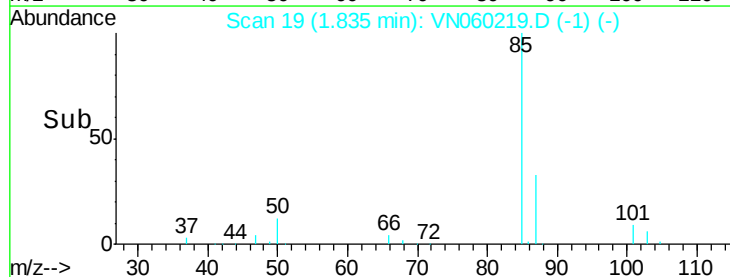
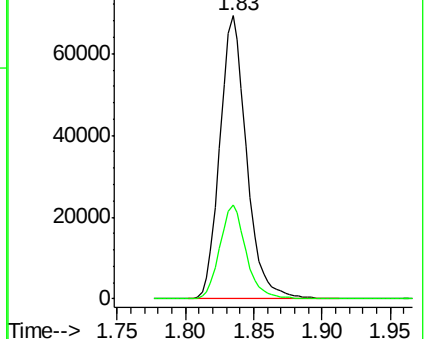
85 100

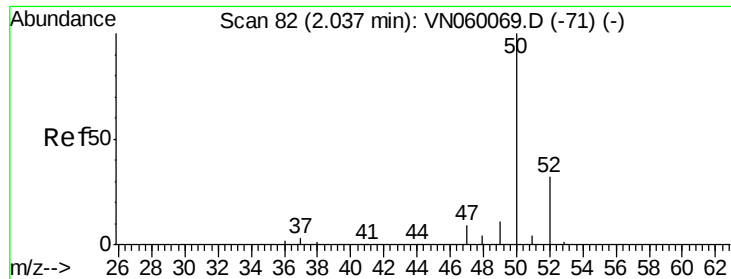
87 33.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 45.51 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

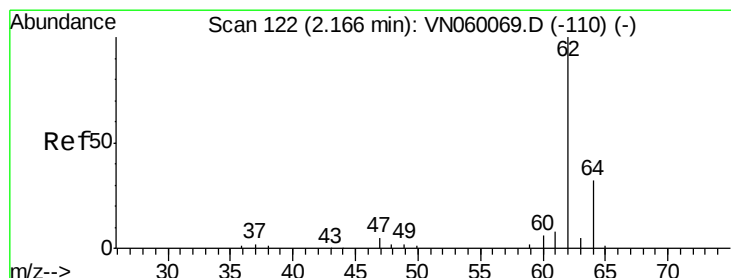
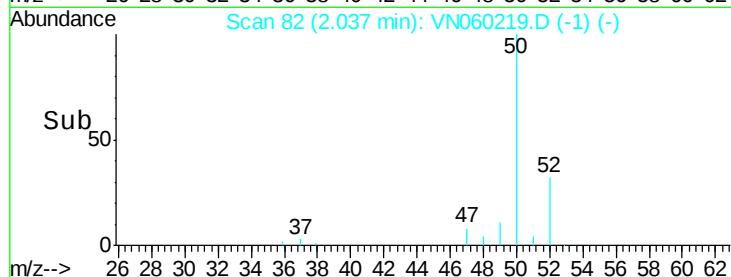
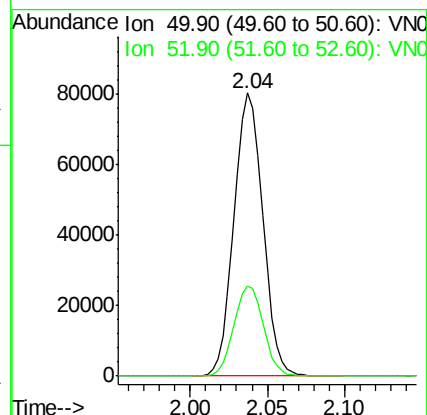
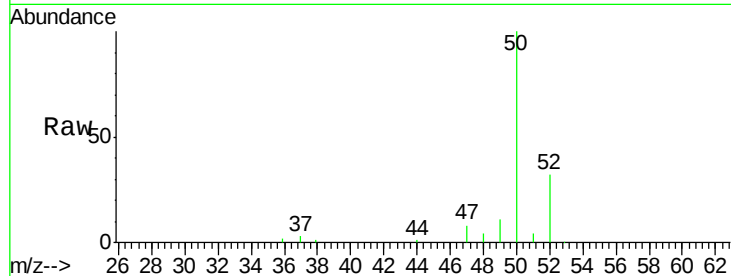
VSTDCCC050

Tgt Ion: 50 Resp: 104085

Ion Ratio Lower Upper

50 100

52 32.0 25.6 38.4



#4

Vinyl Chloride

Concen: 46.78 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060219.D

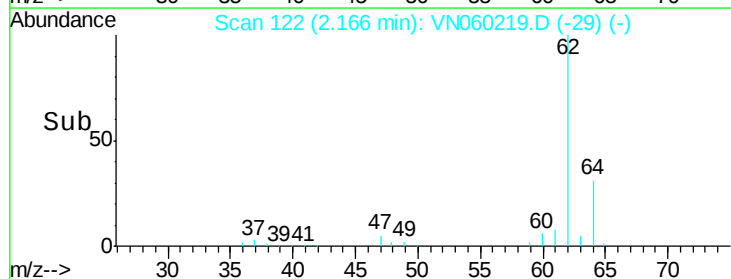
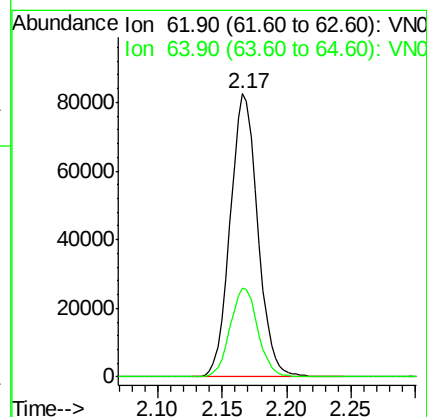
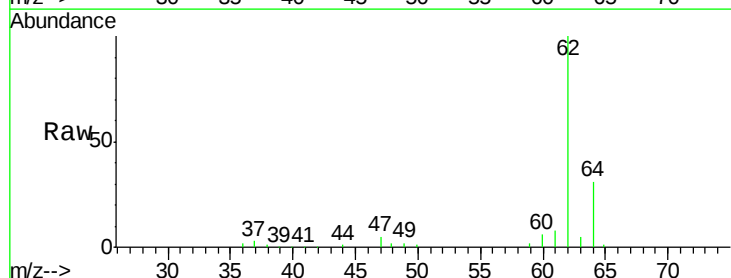
Acq: 25 Feb 2020 8:55

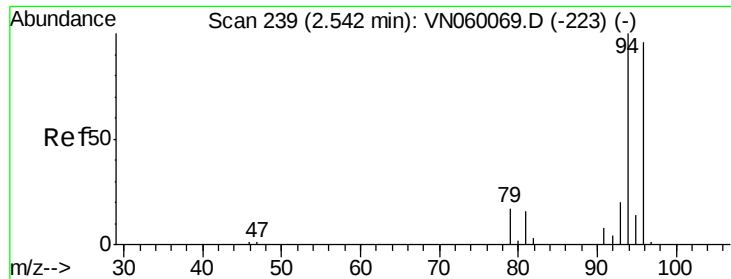
Tgt Ion: 62 Resp: 121938

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9

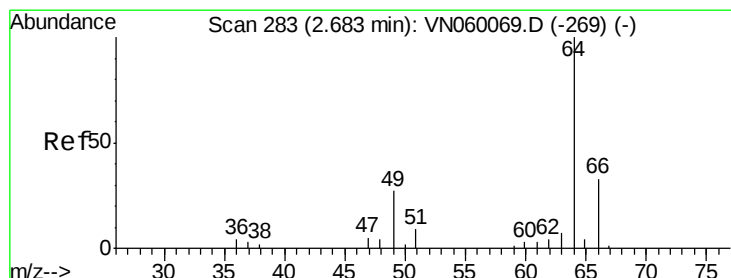
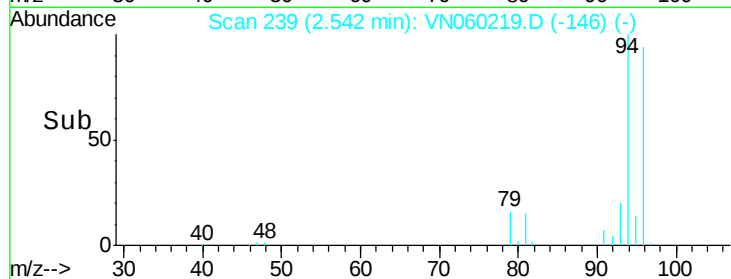
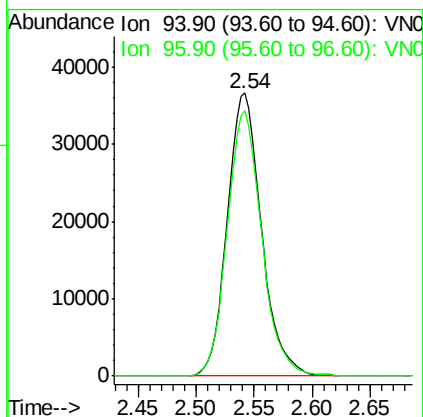
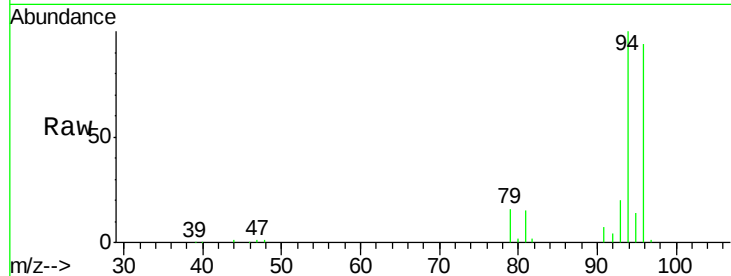




#5
 Bromomethane
 Concen: 46.72 ug/l
 RT: 2.54 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

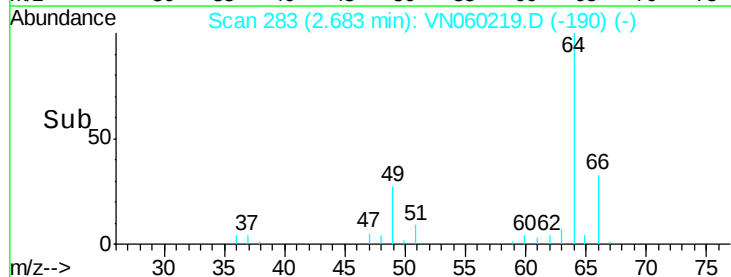
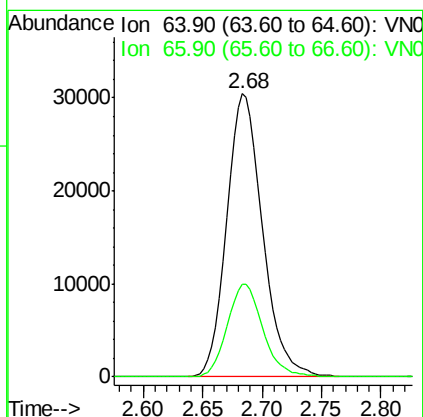
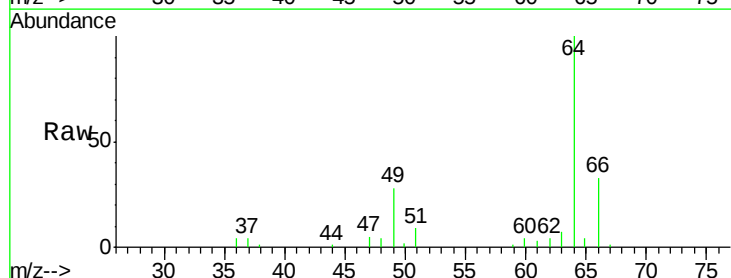
Instrument :
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 VSTDCCC050

Tgt Ion: 94 Resp: 74676
 Ion Ratio Lower Upper
 94 100
 96 93.6 76.7 115.1



#6
 Chloroethane
 Concen: 48.27 ug/l
 RT: 2.68 min Scan# 283
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 64 Resp: 63640
 Ion Ratio Lower Upper
 64 100
 66 32.7 26.6 40.0



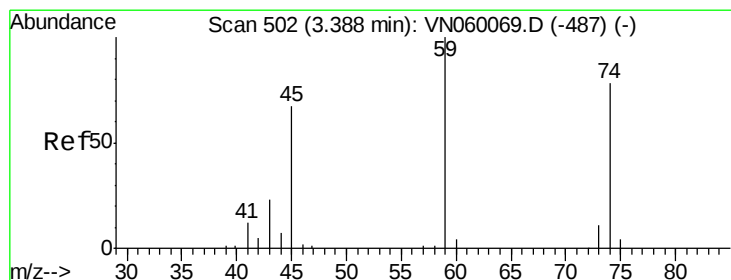
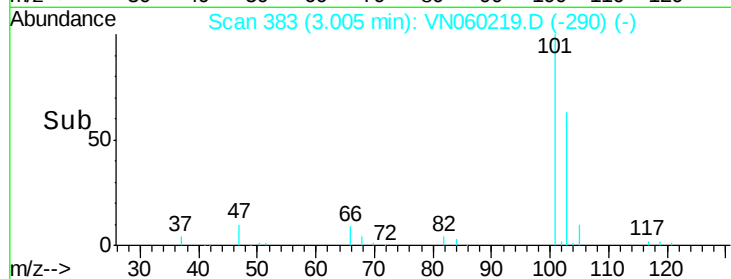
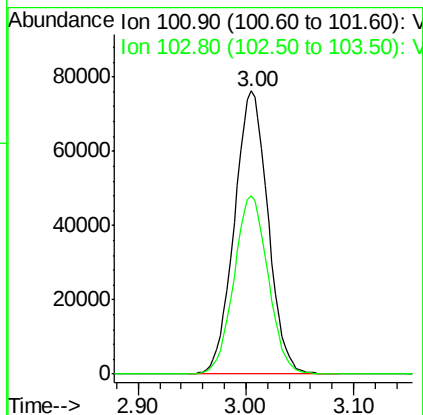
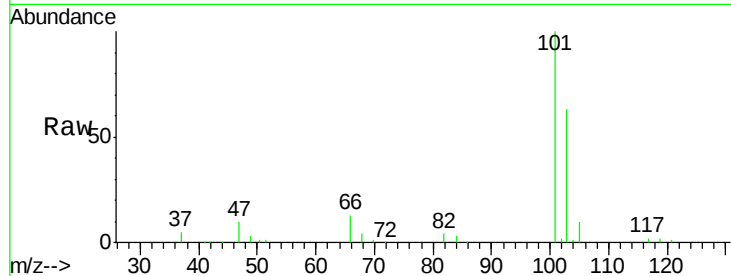


#7

Trichlorofluoromethane
 Concen: 49.34 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

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 ClientSampleId :
 VSTDCCC050

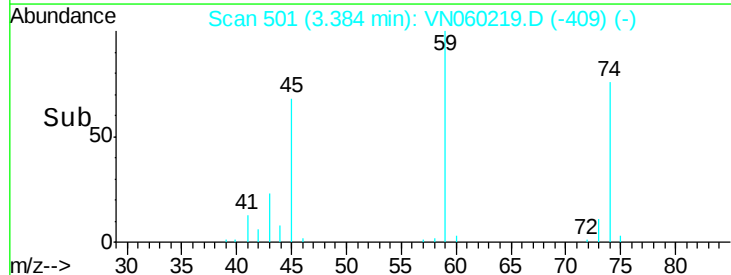
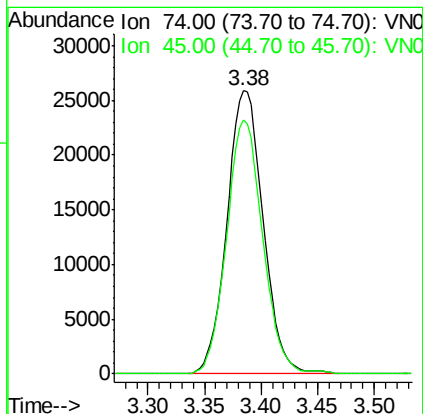
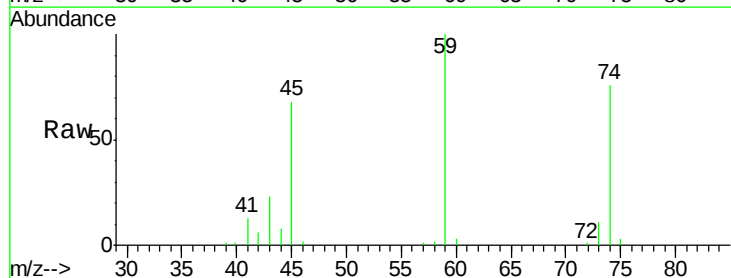
Tgt Ion: 101 Resp: 165811
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.0 76.6



#8

Diethyl Ether
 Concen: 51.57 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 74 Resp: 57691
 Ion Ratio Lower Upper
 74 100
 45 89.5 44.7 134.1

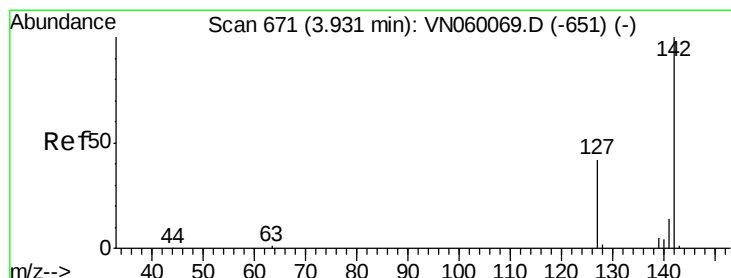
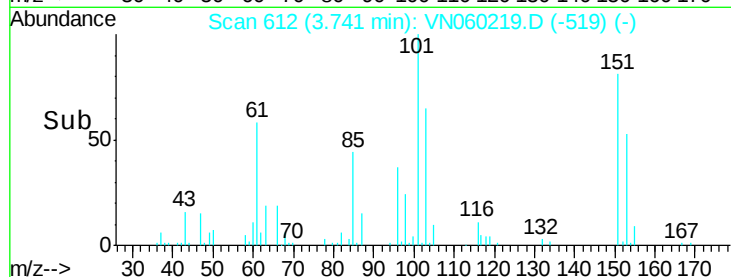
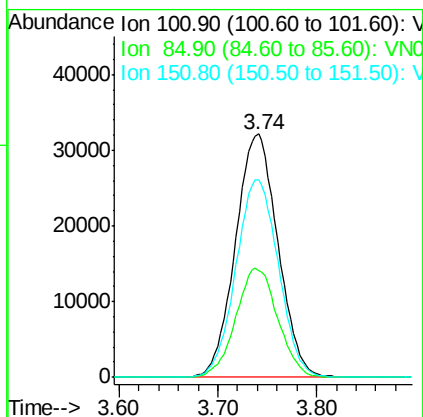
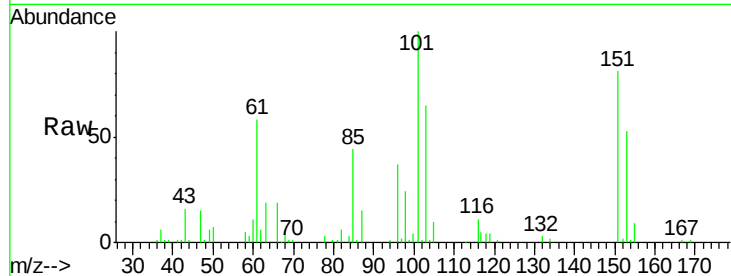




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.27 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

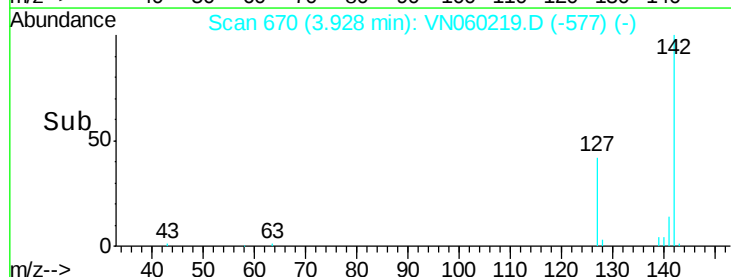
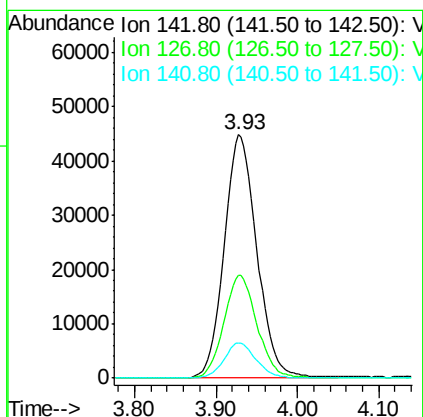
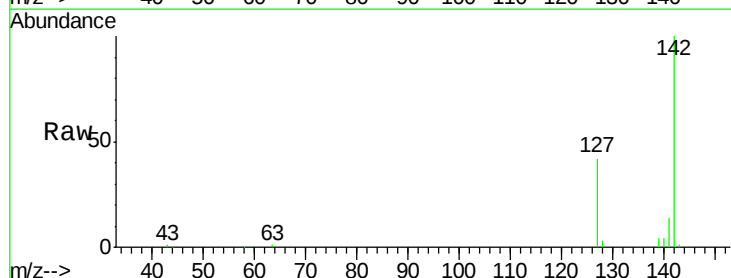
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 VSTDCCC050

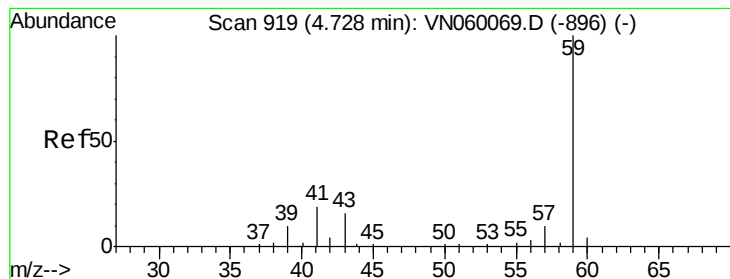
Tgt Ion:101 Resp: 95671
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.1 52.7
 151 81.5 65.8 98.6



#10
 Methyl Iodide
 Concen: 50.28 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion:142 Resp: 126111
 Ion Ratio Lower Upper
 142 100
 127 42.8 33.6 50.4
 141 14.0 11.4 17.2



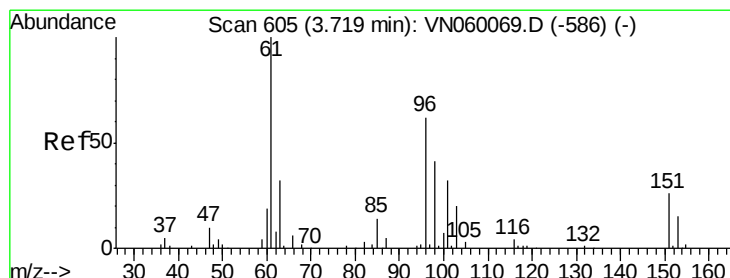
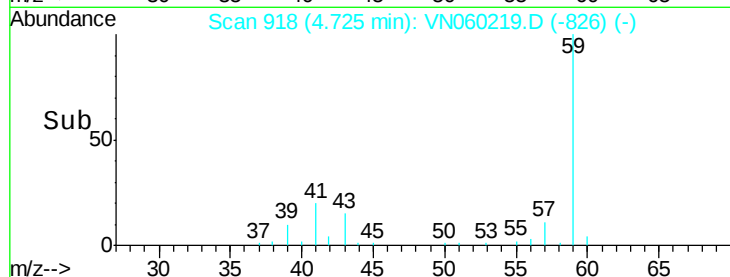
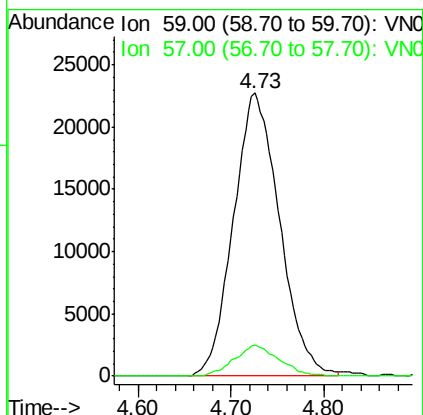
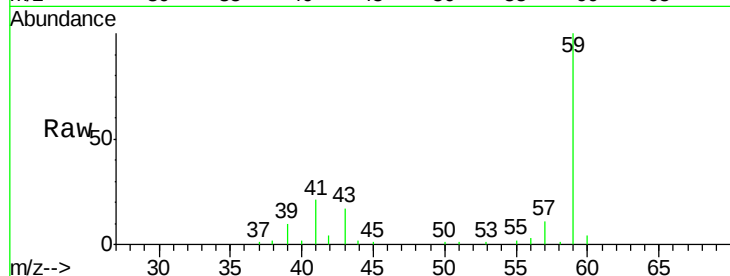


#11

Tert butyl alcohol
 Concen: 224.30 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

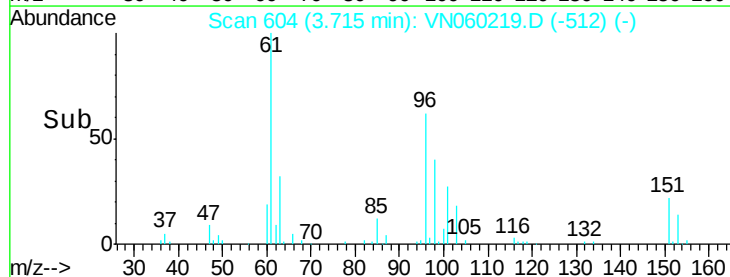
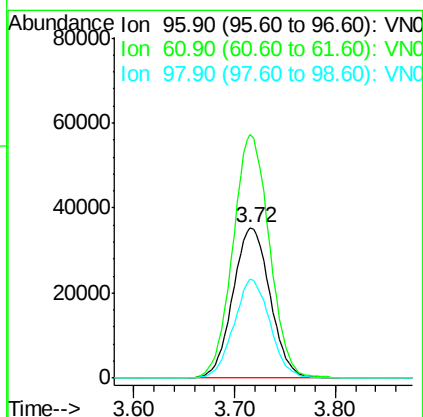
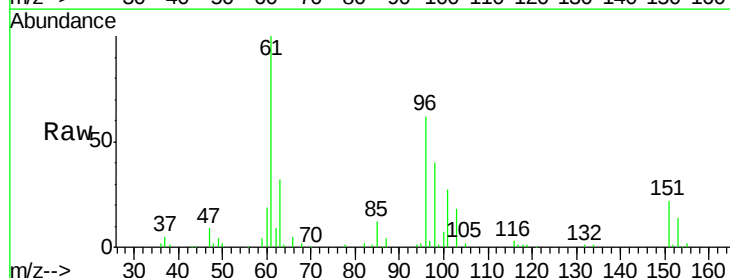
Tgt Ion: 59 Resp: 78521
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.4

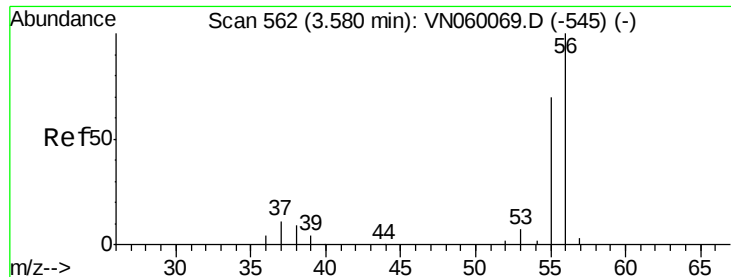


#12

1,1-Dichloroethene
 Concen: 49.78 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 96 Resp: 90491
 Ion Ratio Lower Upper
 96 100
 61 161.9 128.3 192.5
 98 65.6 52.2 78.4

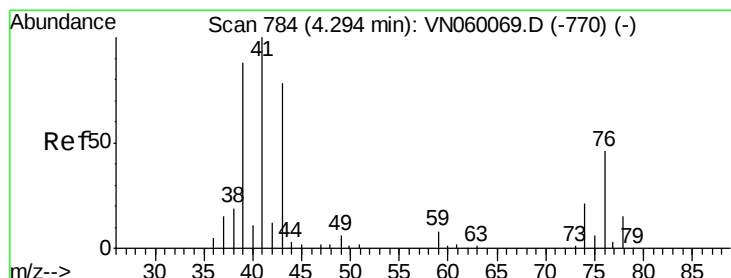
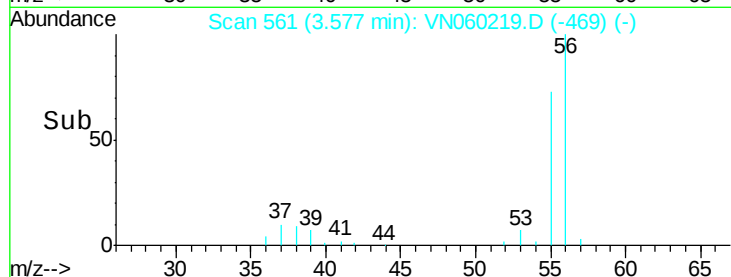
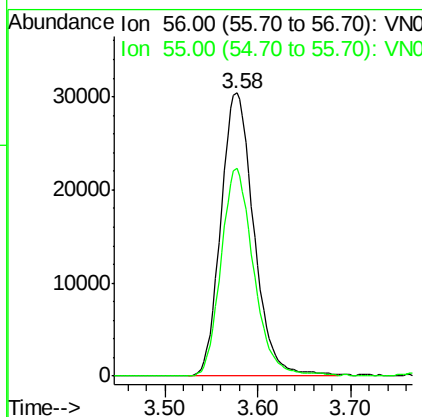
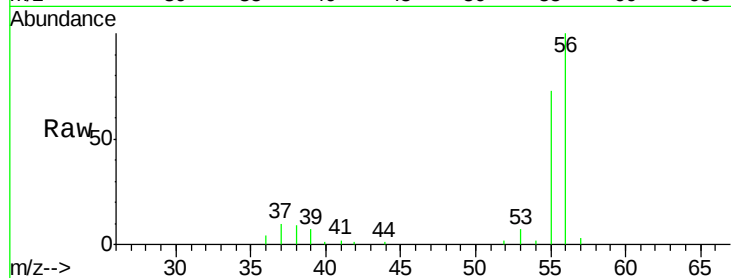




#13
 Acrolein
 Concen: 217.32 ug/l
 RT: 3.58 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

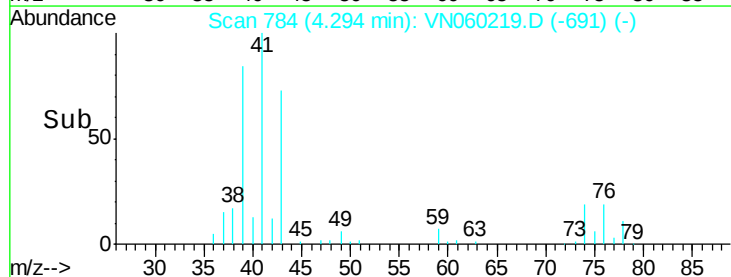
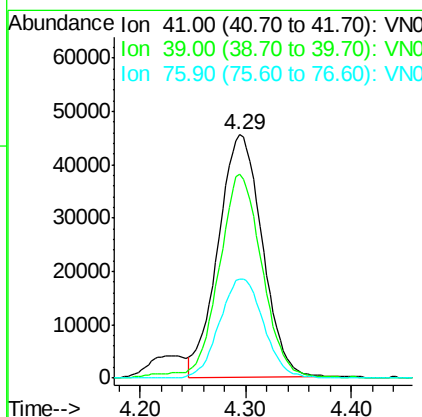
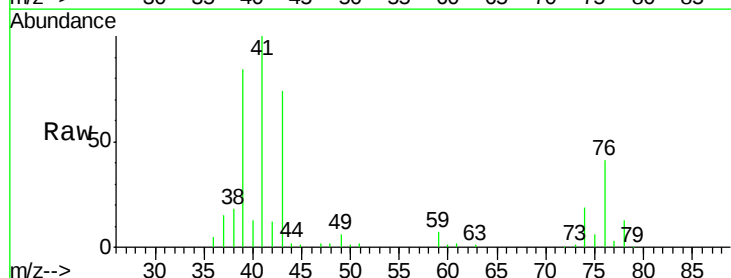
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

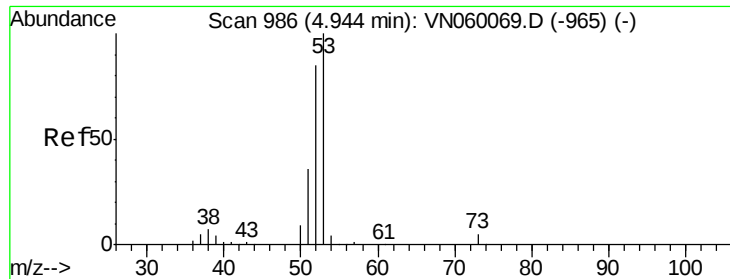
Tgt Ion: 56 Resp: 75199
 Ion Ratio Lower Upper
 56 100
 55 72.7 54.8 82.2



#14
 Allyl chloride
 Concen: 49.38 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 41 Resp: 132096
 Ion Ratio Lower Upper
 41 100
 39 82.9 67.8 101.8
 76 40.9 33.9 50.9





#15

Acrylonitrile

Concen: 259.69 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

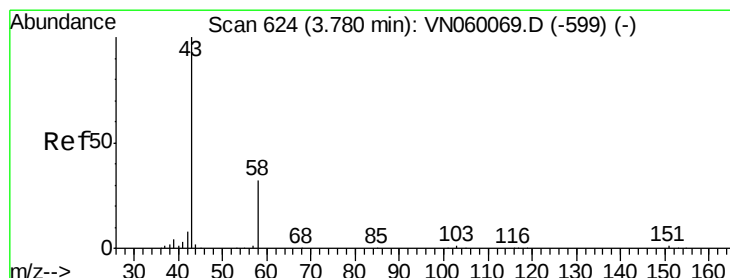
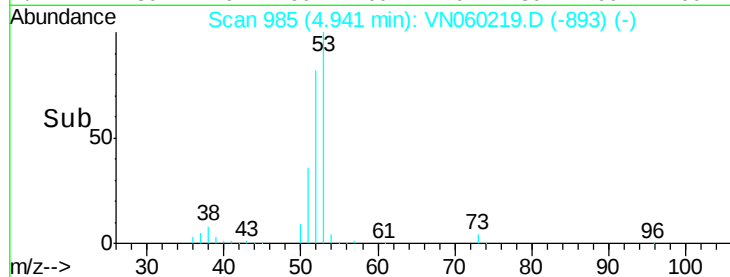
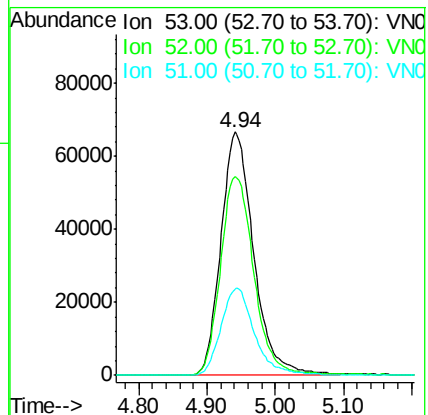
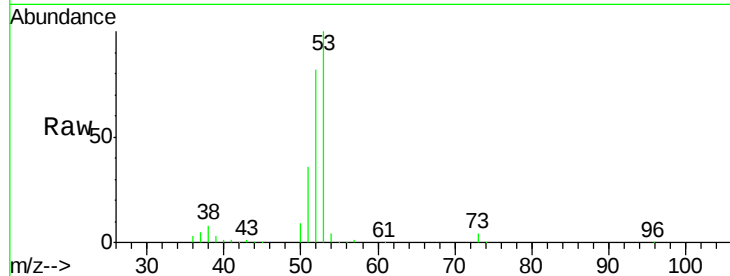
Tgt Ion: 53 Resp: 222019

Ion Ratio Lower Upper

53 100

52 83.2 66.8 100.2

51 36.8 29.4 44.0



#16

Acetone

Concen: 270.35 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060219.D

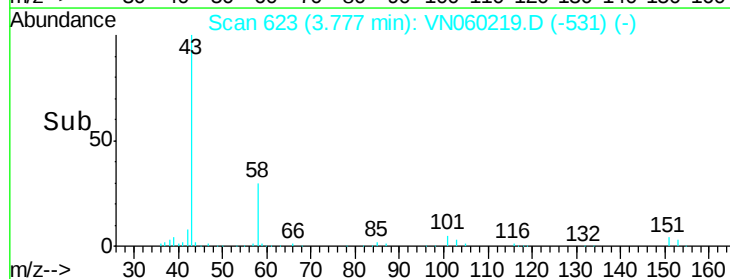
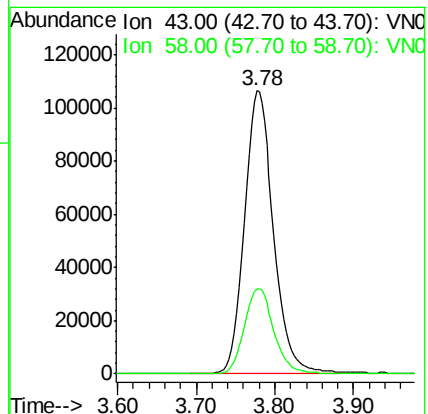
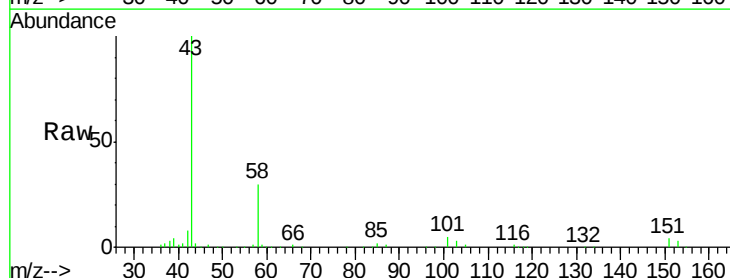
Acq: 25 Feb 2020 8:55

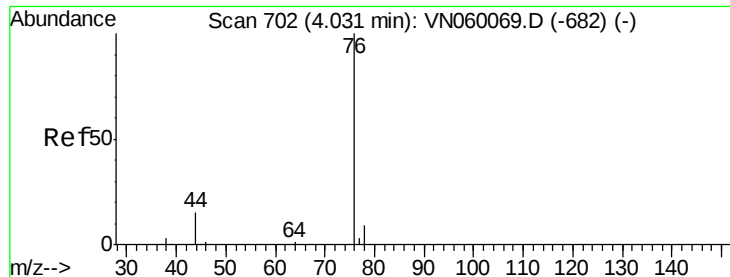
Tgt Ion: 43 Resp: 275875

Ion Ratio Lower Upper

43 100

58 30.1 25.2 37.8

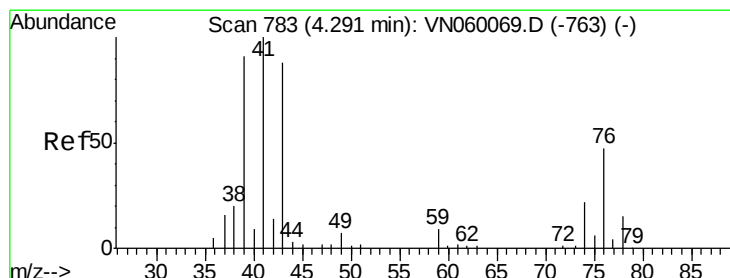
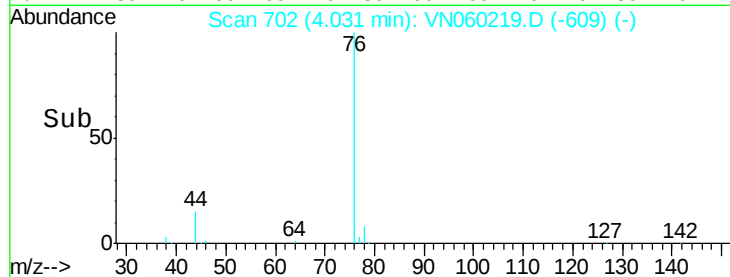
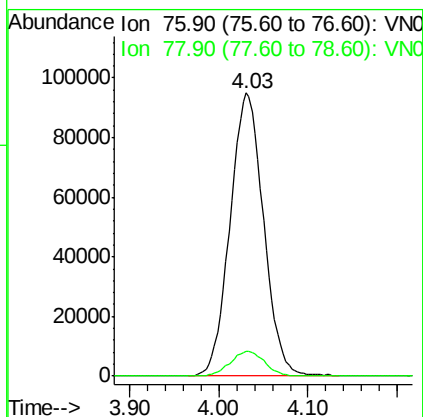
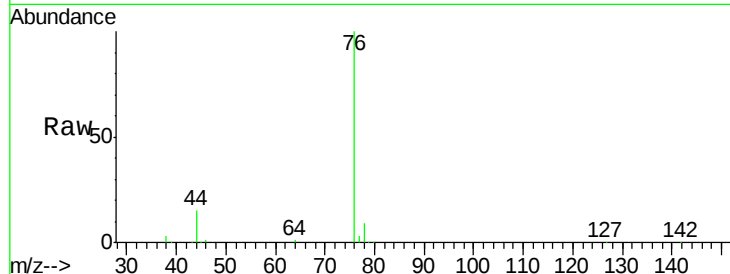




#17
Carbon Disulfide
Concen: 45.15 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

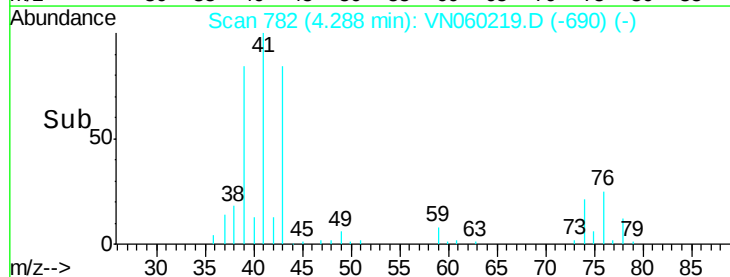
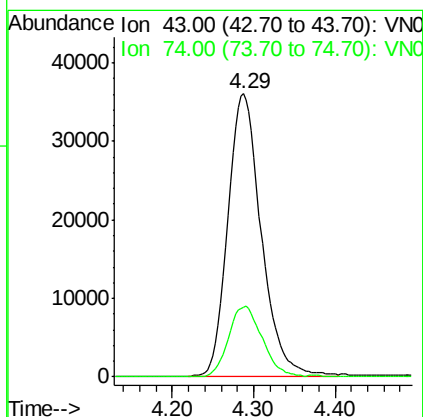
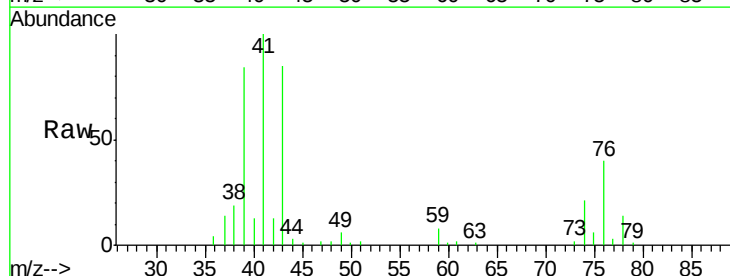
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

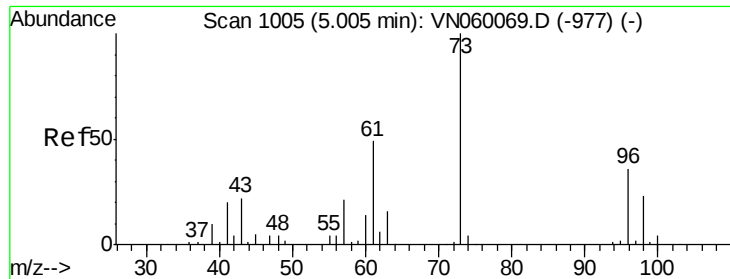
Tgt Ion: 76 Resp: 247387
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 54.16 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion: 43 Resp: 103820
Ion Ratio Lower Upper
43 100
74 25.0 20.3 30.5

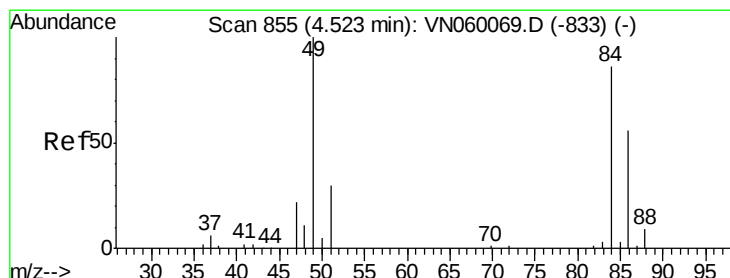
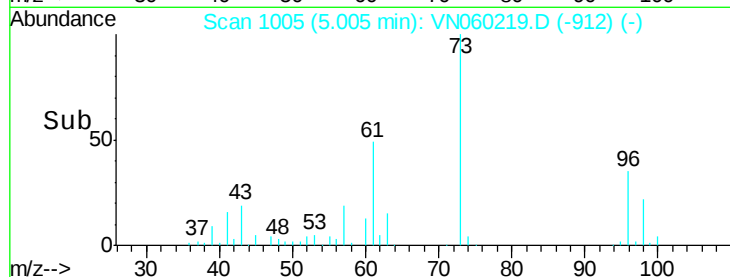
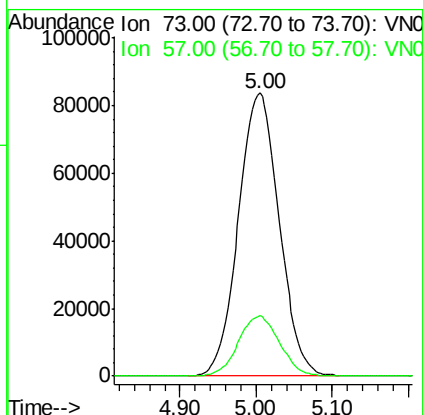
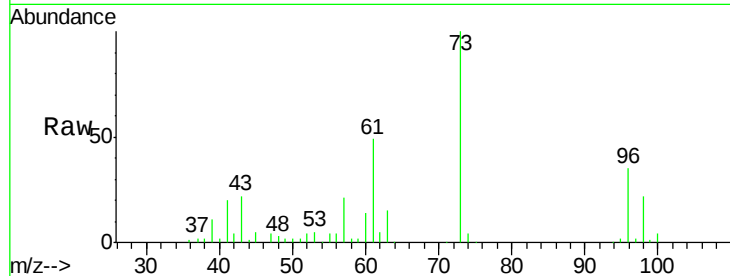




#19
Methyl tert-butyl Ether
Concen: 51.04 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

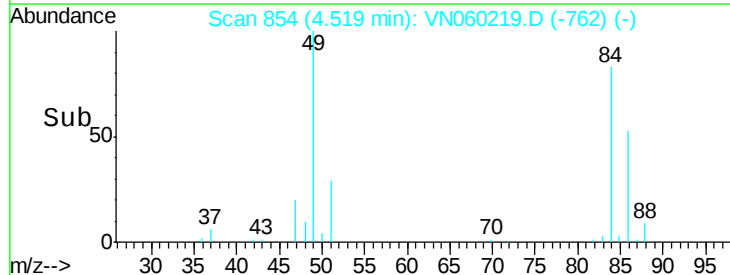
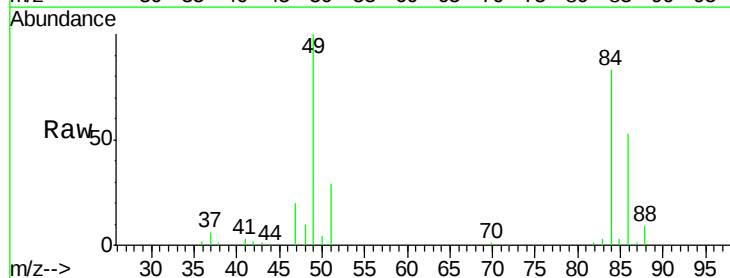
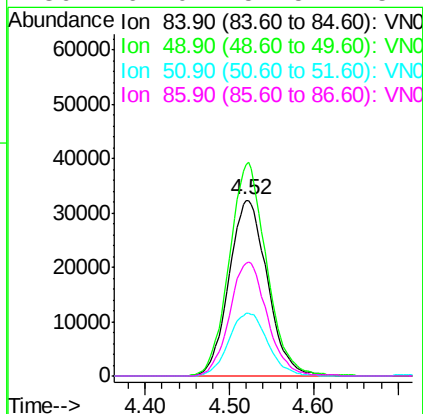
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

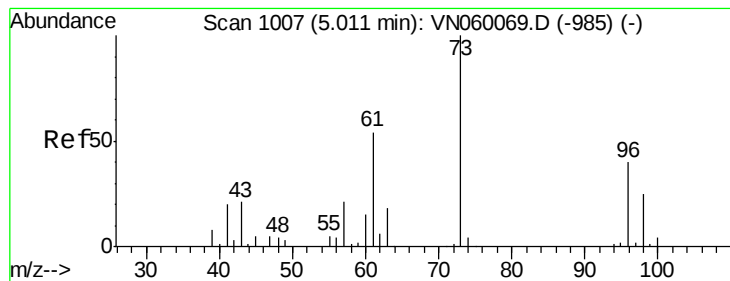
Tgt Ion: 73 Resp: 312012
Ion Ratio Lower Upper
73 100
57 21.2 17.2 25.8



#20
Methylene Chloride
Concen: 50.28 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion: 84 Resp: 102371
Ion Ratio Lower Upper
84 100
49 120.7 93.4 140.0
51 35.5 28.4 42.6
86 64.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.07 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

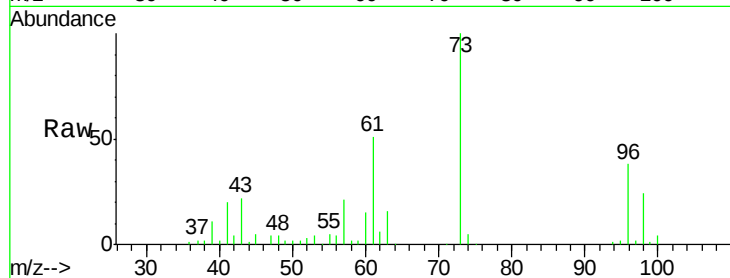
Tgt Ion: 96 Resp: 99208

Ion Ratio Lower Upper

96 100

61 135.2 109.3 163.9

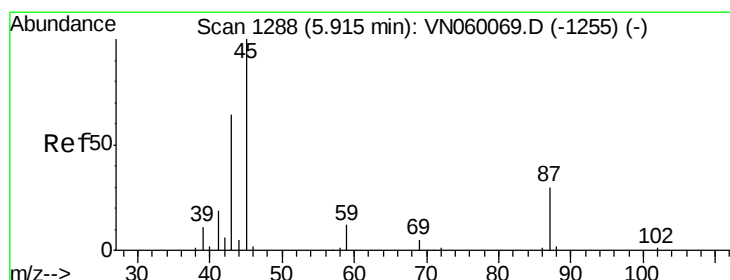
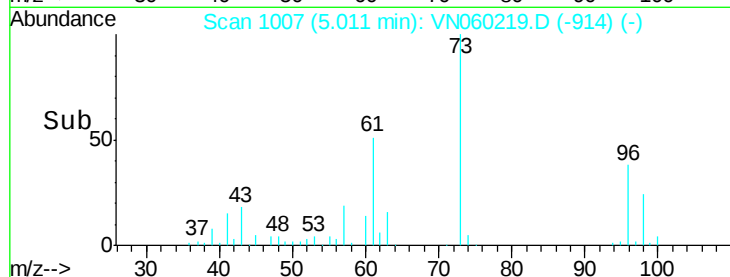
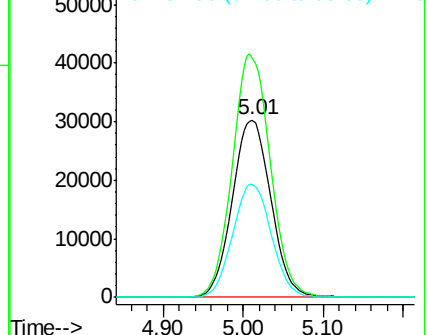
98 64.1 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VN060219.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060219.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060219.D (-914) (-)



#22

Diisopropyl ether

Concen: 52.36 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion: 45 Resp: 306995

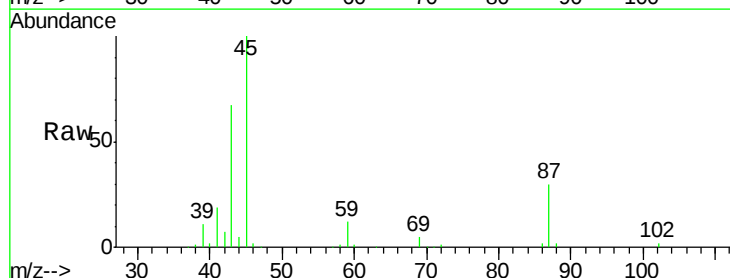
Ion Ratio Lower Upper

45 100

43 66.0 55.9 83.9

87 30.1 24.5 36.7

59 12.1 9.9 14.9

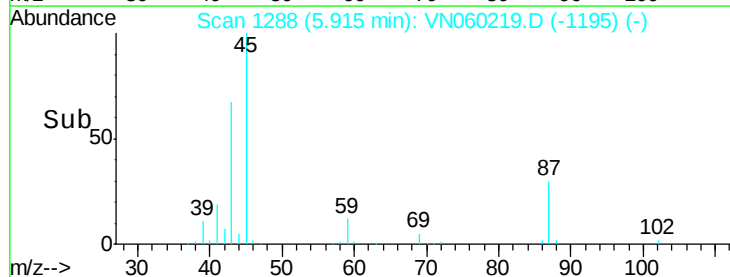
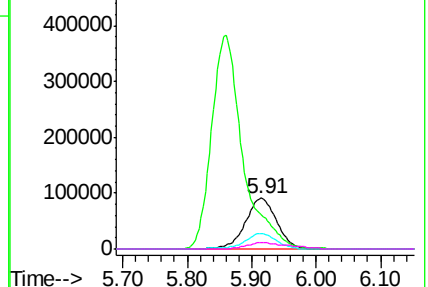


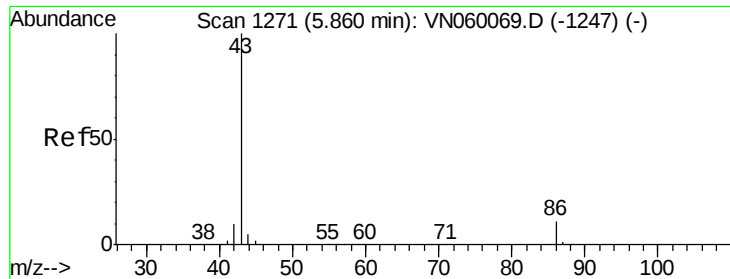
Abundance Ion 45.00 (44.70 to 45.70): VN060219.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VN060219.D (-1195) (-)

Ion 87.00 (86.70 to 87.70): VN060219.D (-1195) (-)

Ion 59.00 (58.70 to 59.70): VN060219.D (-1195) (-)

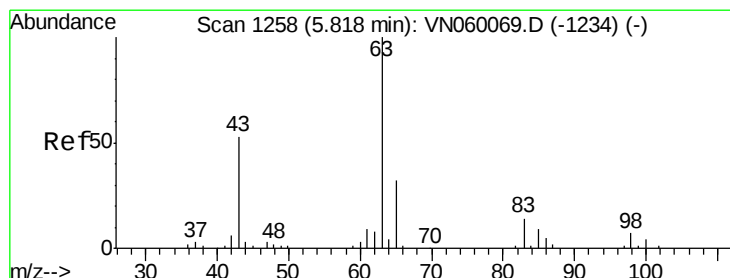
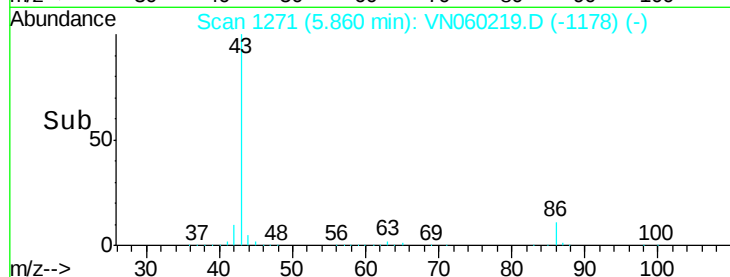
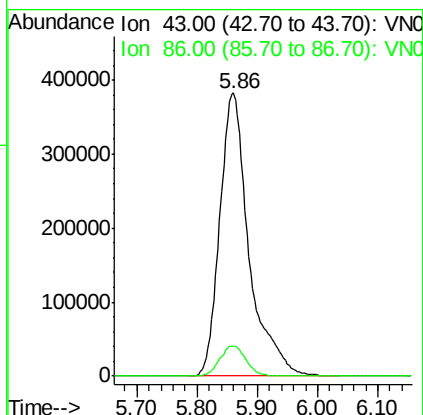
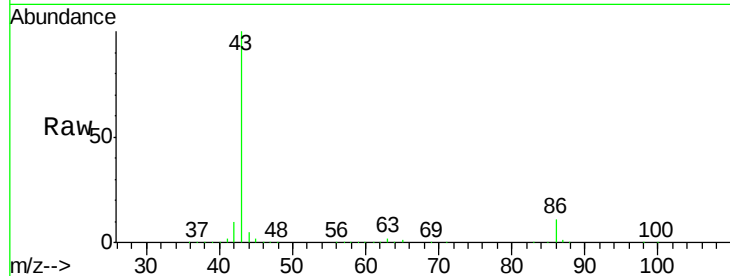




#23
 Vinyl Acetate
 Concen: 261.40 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

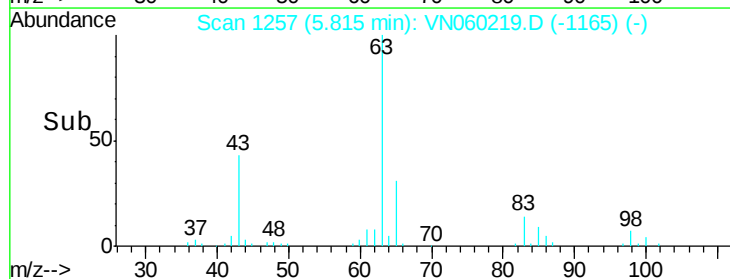
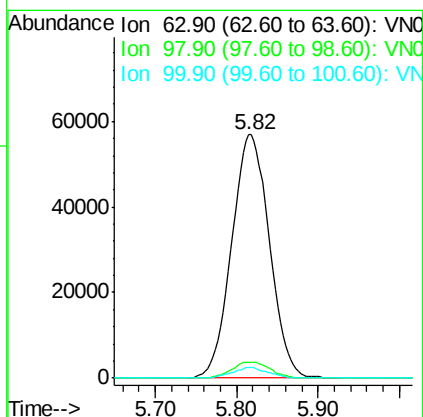
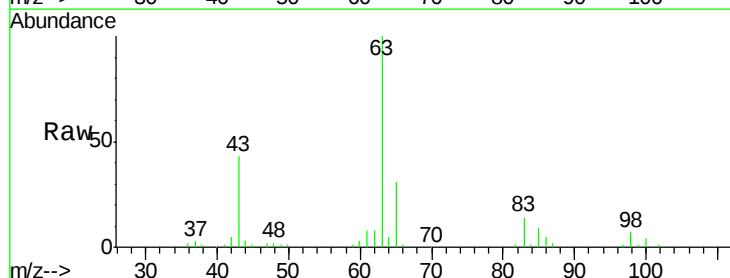
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

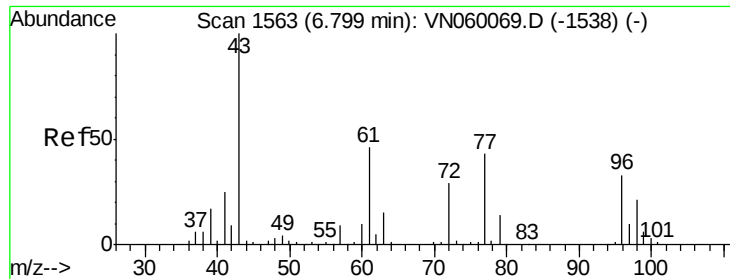
Tgt Ion: 43 Resp: 1287086
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 51.35 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 63 Resp: 182377
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.5
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 267.74 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

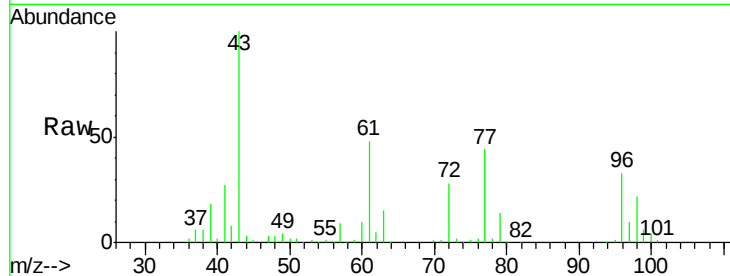
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 43 Resp: 343616

Ion Ratio Lower Upper

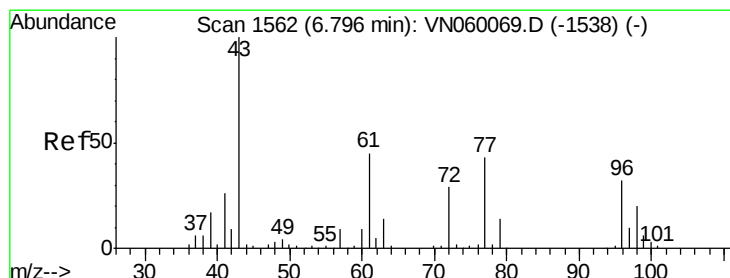
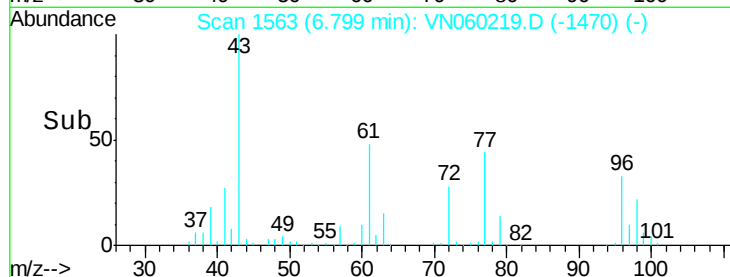
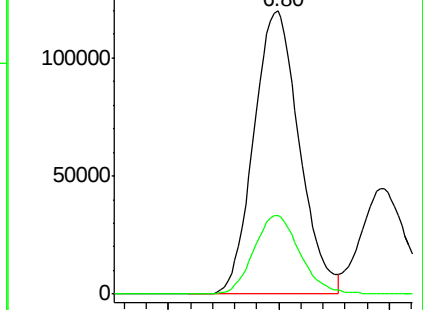
43 100

72 27.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)



#26

2,2-Dichloropropane

Concen: 51.69 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060219.D

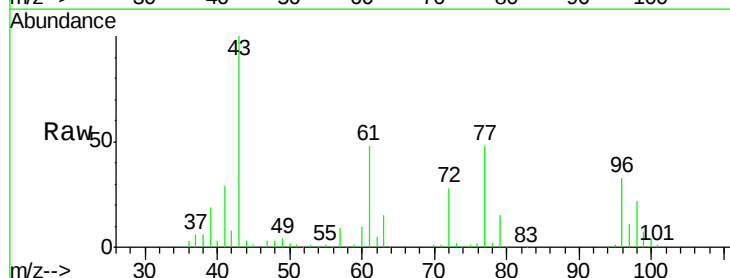
Acq: 25 Feb 2020 8:55

Tgt Ion: 77 Resp: 174379

Ion Ratio Lower Upper

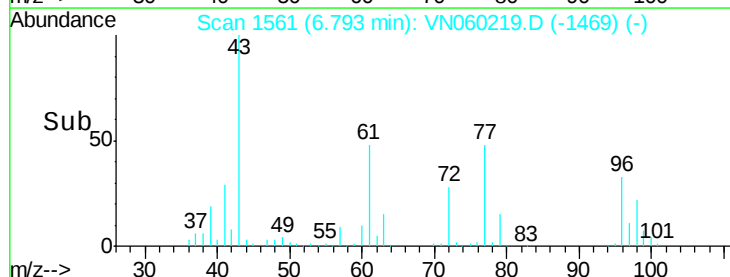
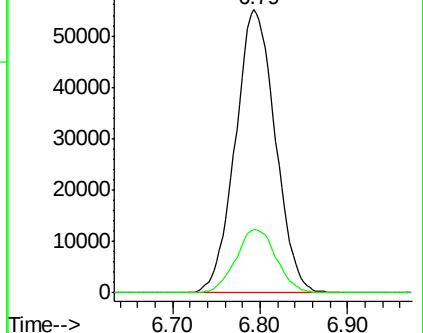
77 100

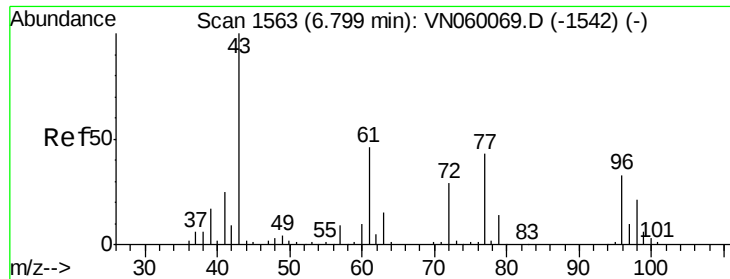
97 22.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060069.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN060069.D (-1538) (-)

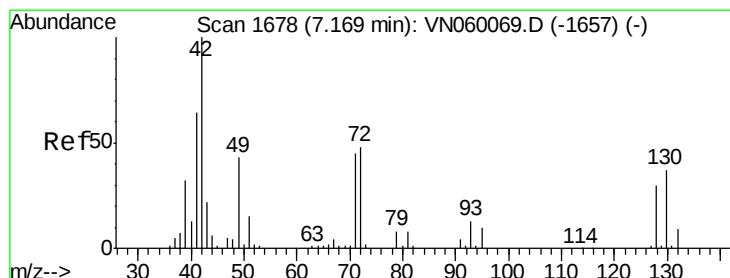
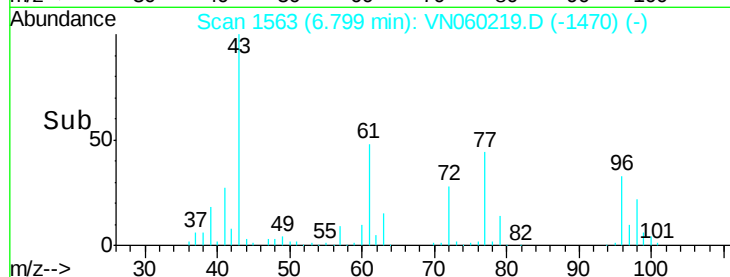
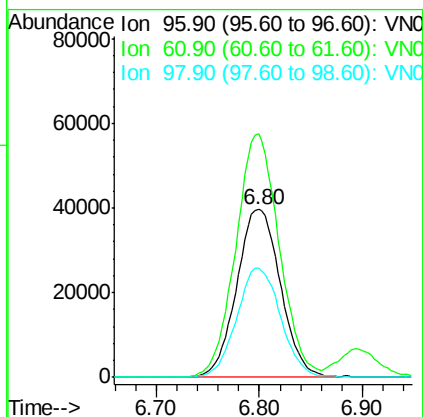
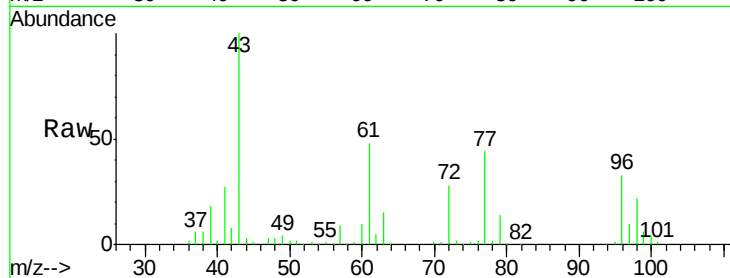




#27
 cis-1,2-Dichloroethene
 Concen: 50.54 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

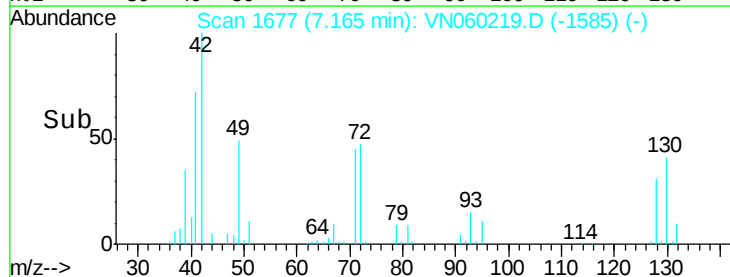
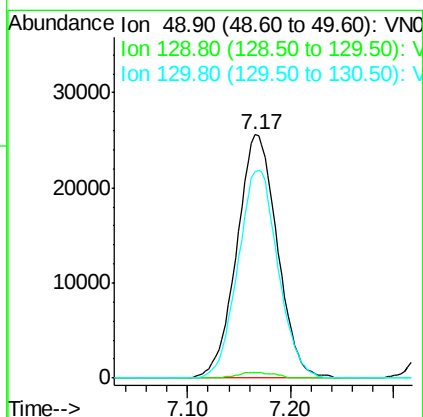
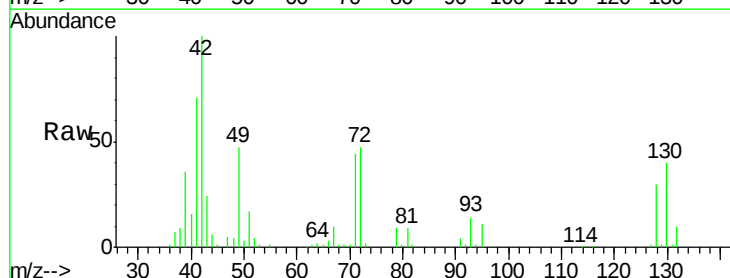
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

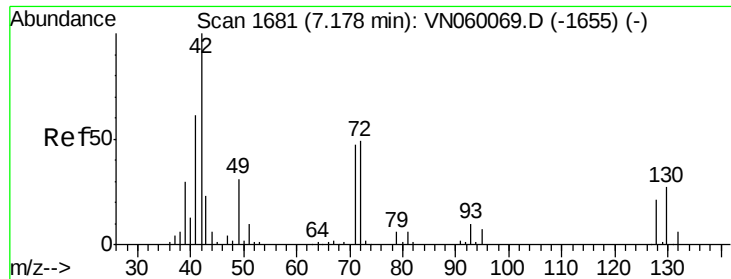
Tgt Ion: 96 Resp: 117188
 Ion Ratio Lower Upper
 96 100
 61 143.7 0.0 285.8
 98 65.1 0.0 129.6



#28
 Bromochloromethane
 Concen: 50.00 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 49 Resp: 69820
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 2.2
 130 84.6 66.8 100.2

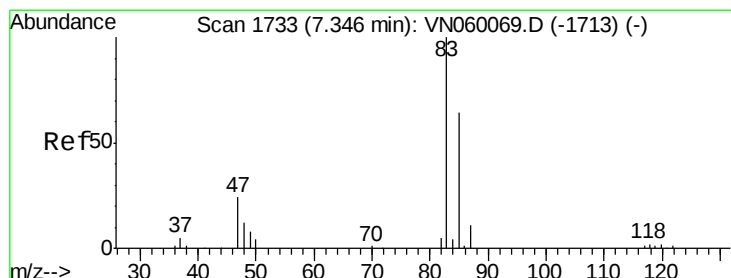
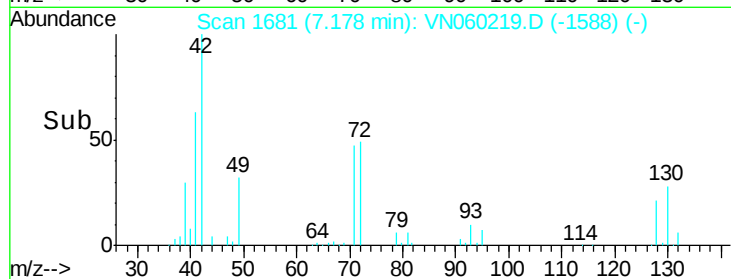
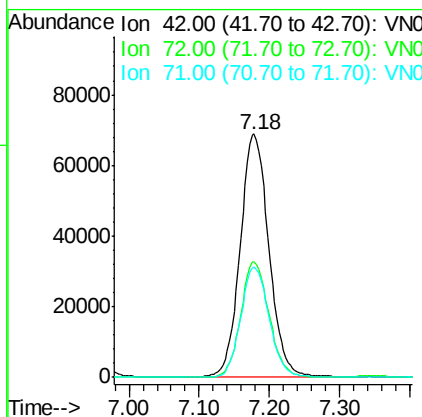
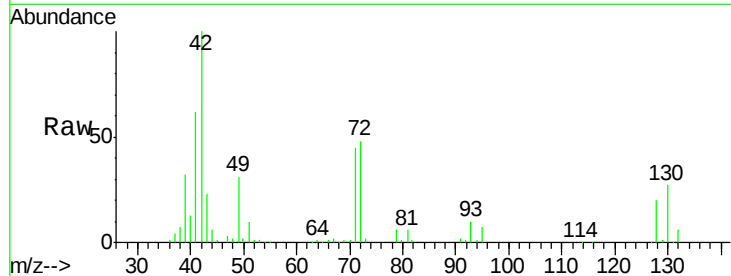




#29
Tetrahydrofuran
Concen: 249.26 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

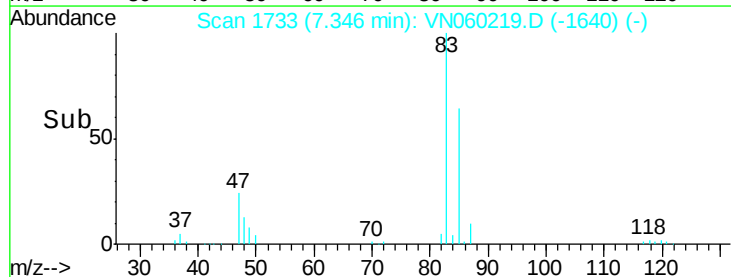
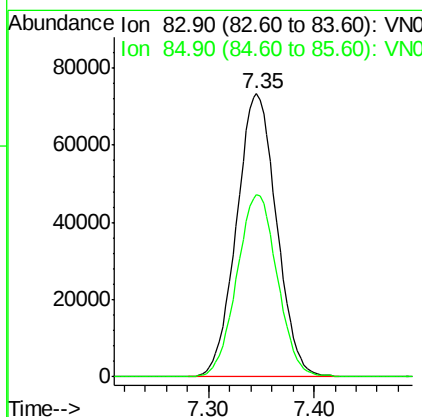
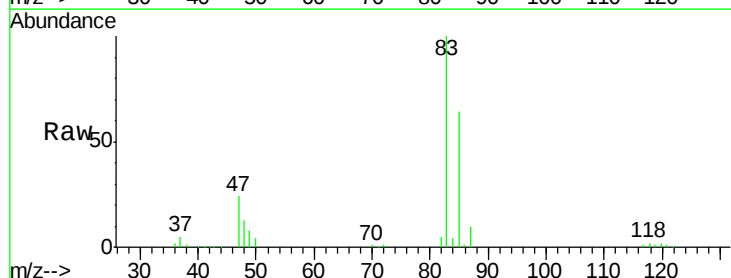
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

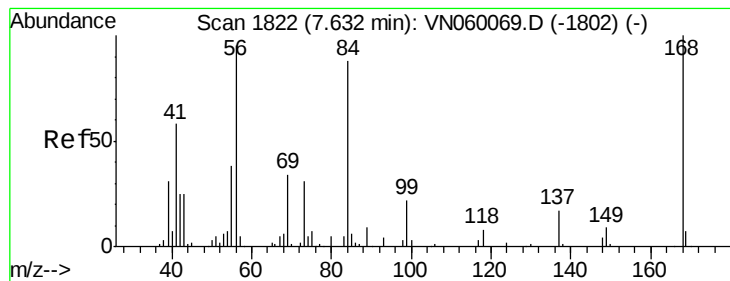
Tgt Ion: 42 Resp: 196247
Ion Ratio Lower Upper
42 100
72 46.6 38.2 57.4
71 44.7 36.6 54.8



#30
Chloroform
Concen: 51.99 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion: 83 Resp: 193454
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.0





#31

Cyclohexane

Concen: 48.44 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

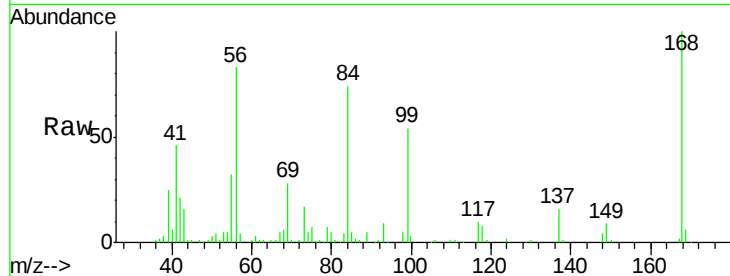
Tgt Ion: 56 Resp: 160286

Ion Ratio Lower Upper

56 100

69 33.6 28.3 42.5

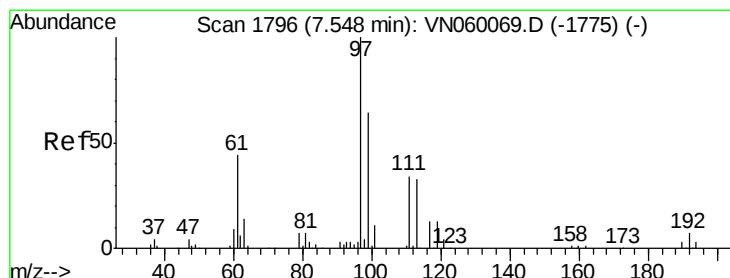
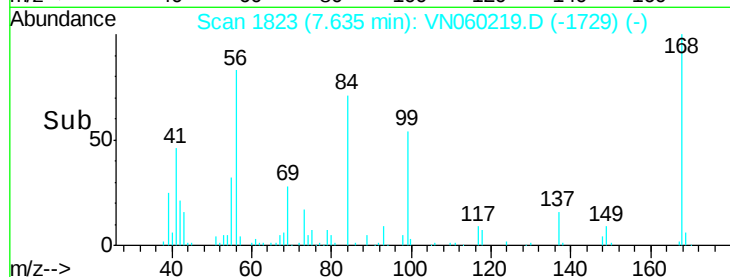
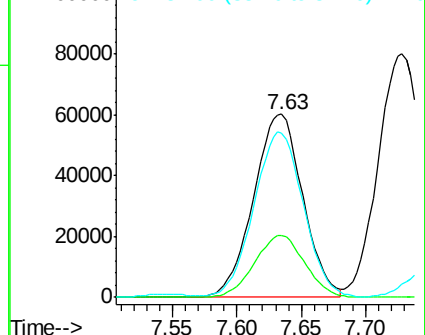
84 88.7 72.6 108.8



Abundance Ion 56.00 (55.70 to 56.70): VN060219.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060219.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060219.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 51.83 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

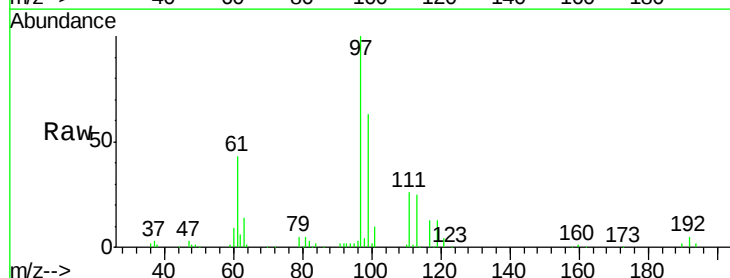
Tgt Ion: 97 Resp: 176220

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

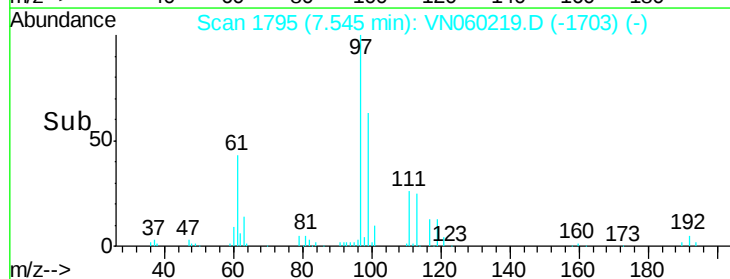
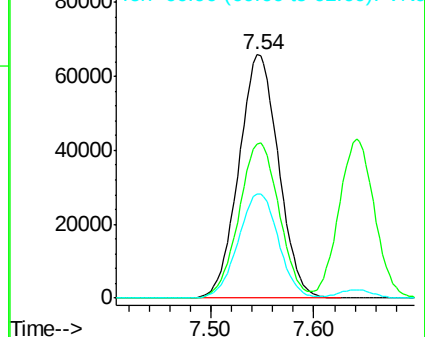
61 43.5 34.9 52.3

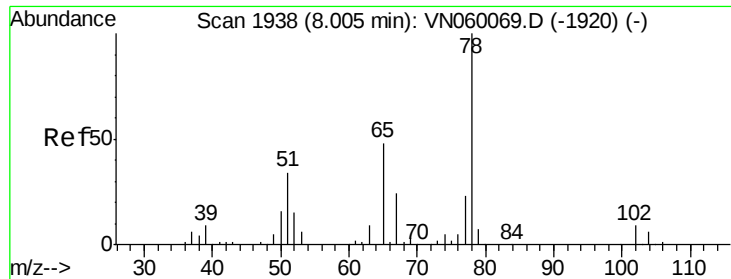


Abundance Ion 96.90 (96.60 to 97.60): VN060219.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060219.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060219.D (-1703) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.01 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

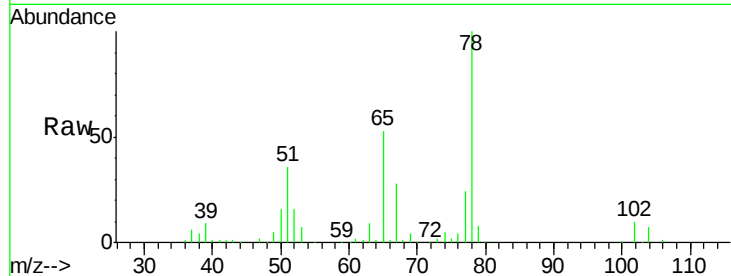
VSTDCCC050

Tgt Ion: 65 Resp: 112309

Ion Ratio Lower Upper

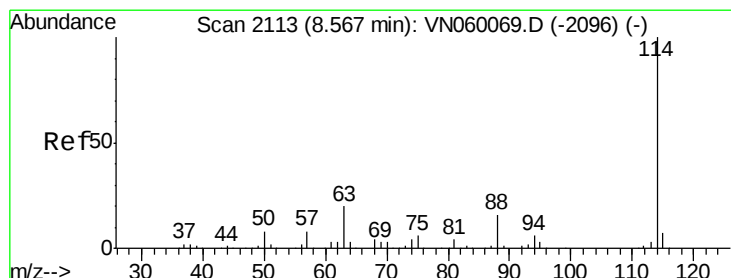
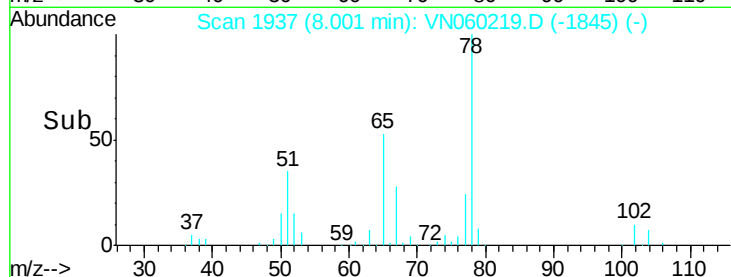
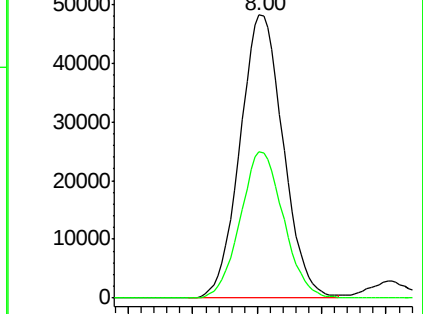
65 100

67 51.8 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN060069.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060069.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

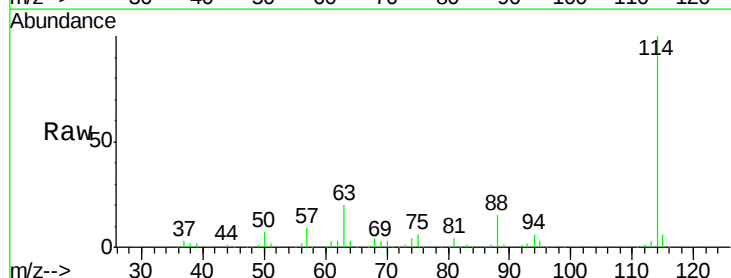
Tgt Ion: 114 Resp: 297934

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

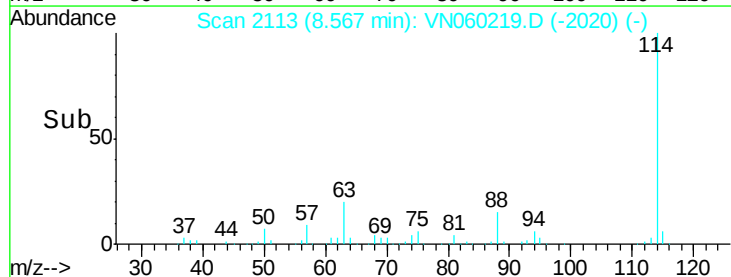
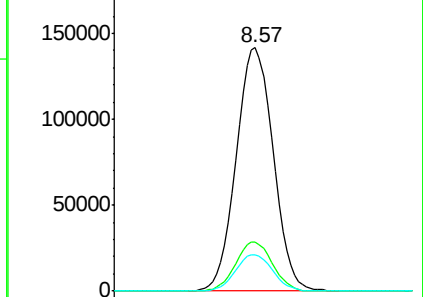
88 15.0 0.0 31.6

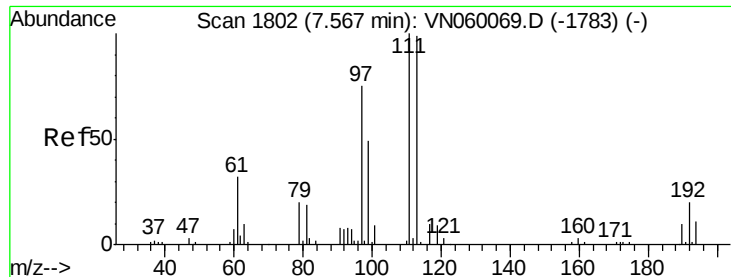


Abundance Ion 113.90 (113.60 to 114.60): VN060069.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN060069.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN060069.D (-2096) (-)





#35

Dibromofluoromethane

Concen: 49.10 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

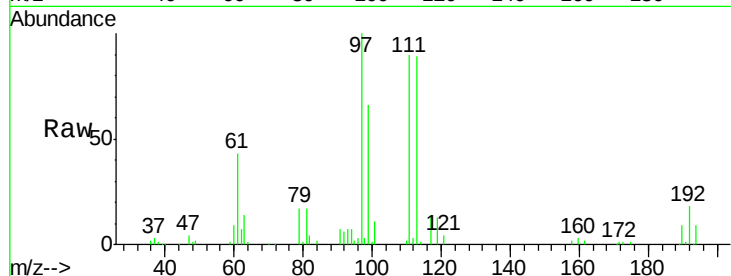
Tgt Ion: 113 Resp: 89928

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

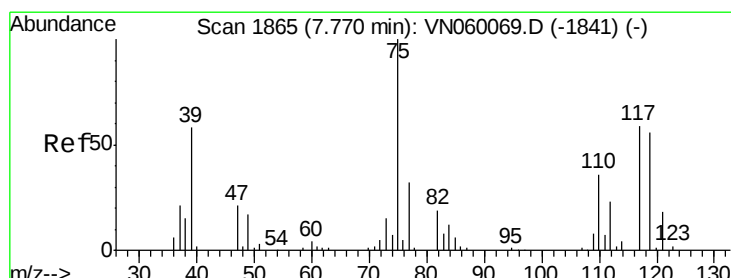
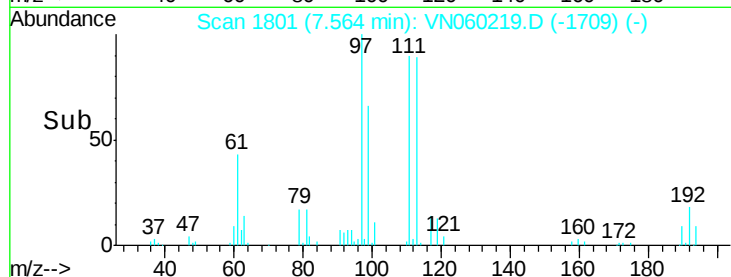
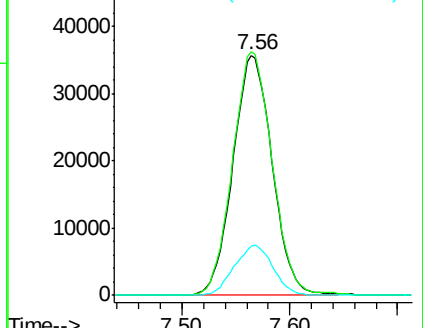
192 20.5 16.2 24.2



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: 51.90 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

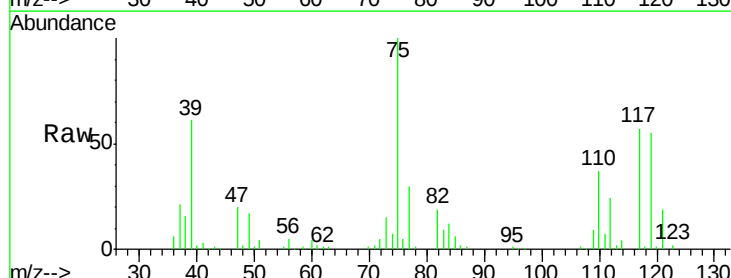
Tgt Ion: 75 Resp: 143227

Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.3

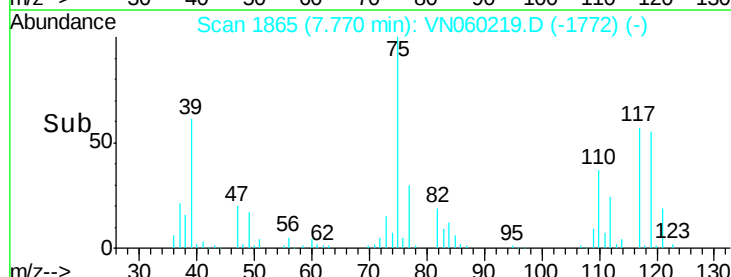
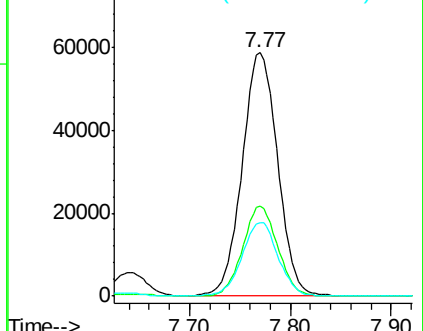
77 30.7 25.1 37.7

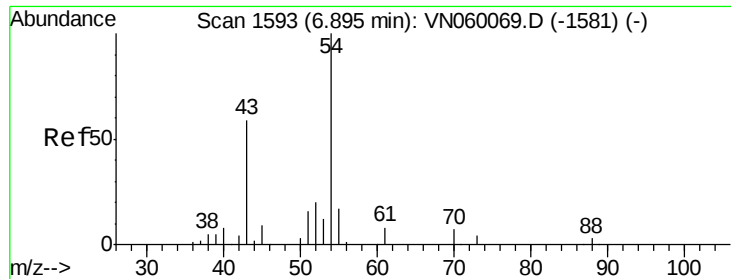


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

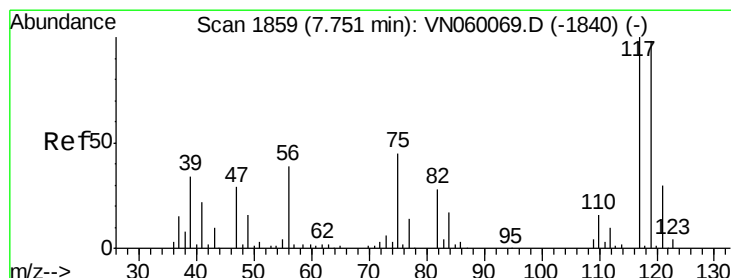
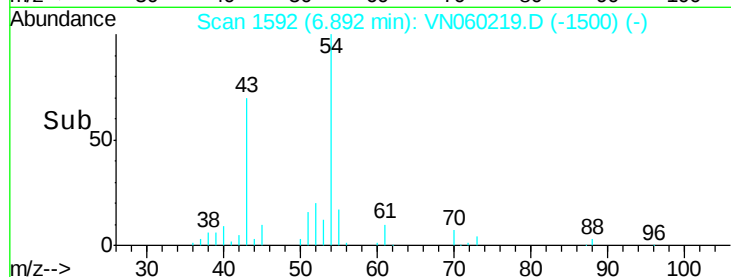
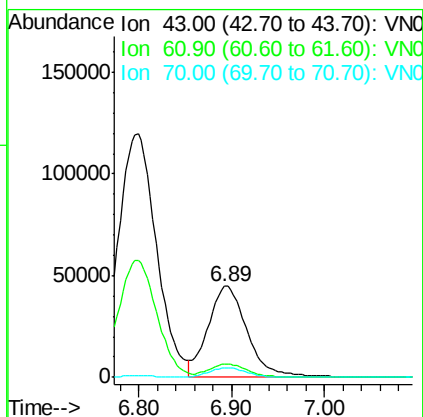
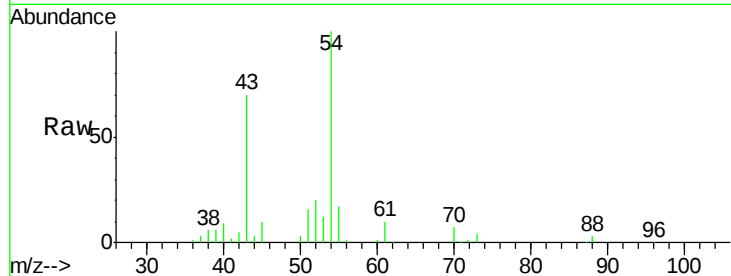




#37
 Ethyl Acetate
 Concen: 51.57 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

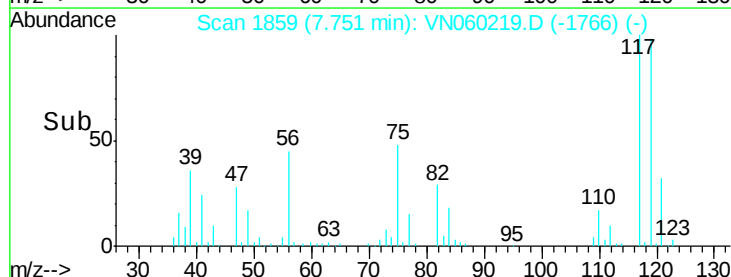
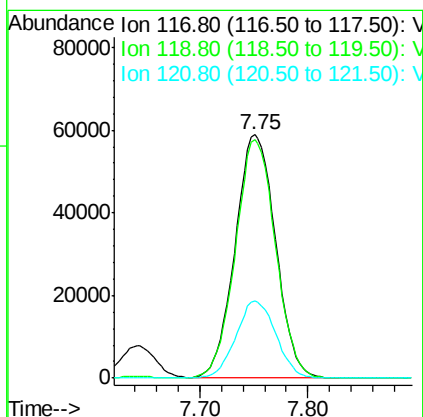
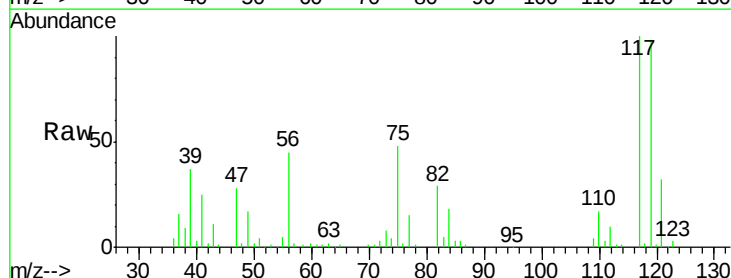
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

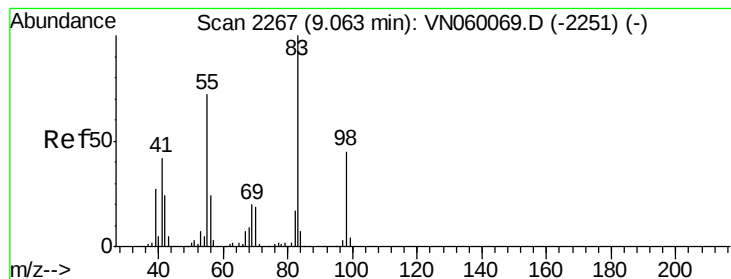
Tgt Ion: 43 Resp: 128606
 Ion Ratio Lower Upper
 43 100
 61 14.5 11.4 17.2
 70 10.4 8.7 13.1



#38
 Carbon Tetrachloride
 Concen: 51.34 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 117 Resp: 153879
 Ion Ratio Lower Upper
 117 100
 119 97.8 78.2 117.4
 121 31.8 24.2 36.2





#39

Methylcyclohexane

Concen: 51.35 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

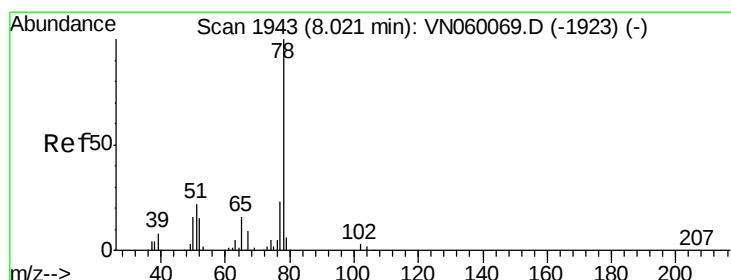
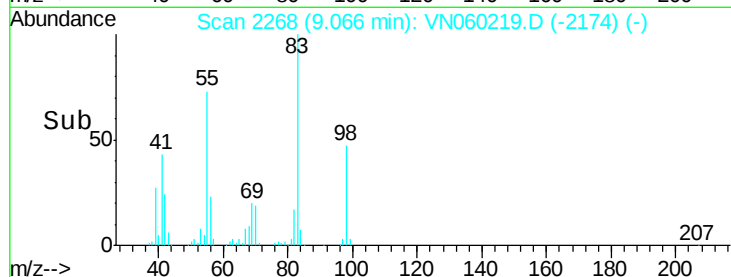
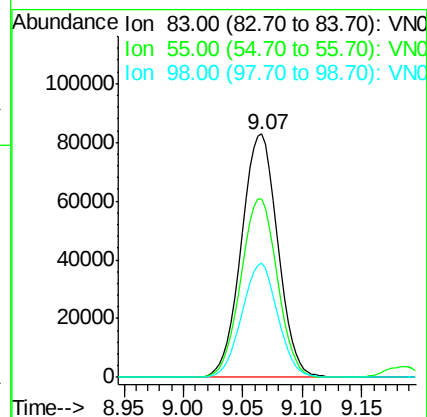
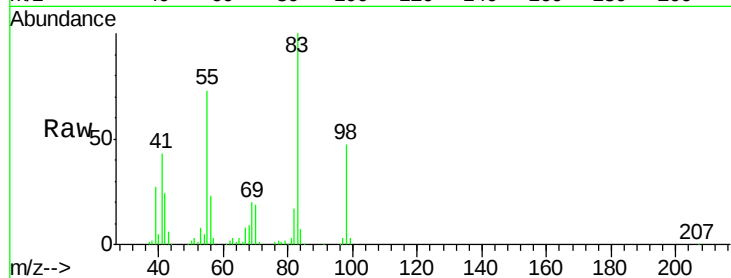
Tgt Ion: 83 Resp: 175890

Ion Ratio Lower Upper

83 100

55 73.4 57.8 86.8

98 47.0 36.4 54.6



#40

Benzene

Concen: 51.44 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN060219.D

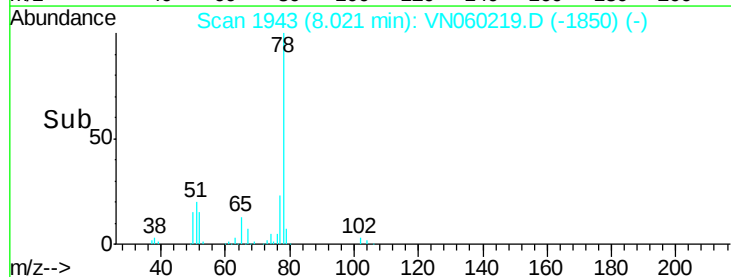
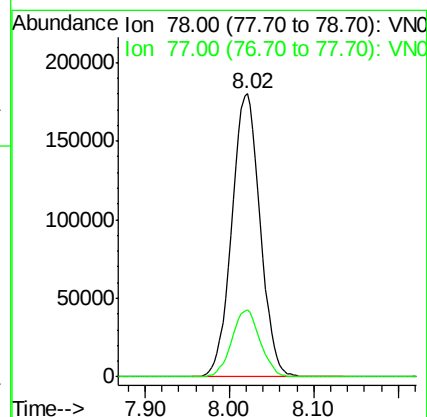
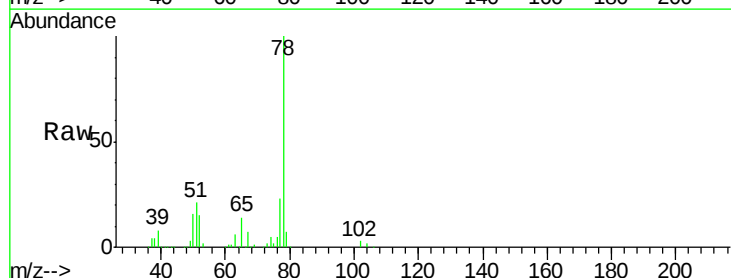
Acq: 25 Feb 2020 8:55

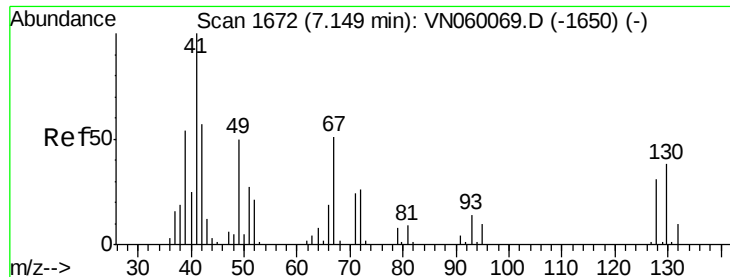
Tgt Ion: 78 Resp: 421112

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

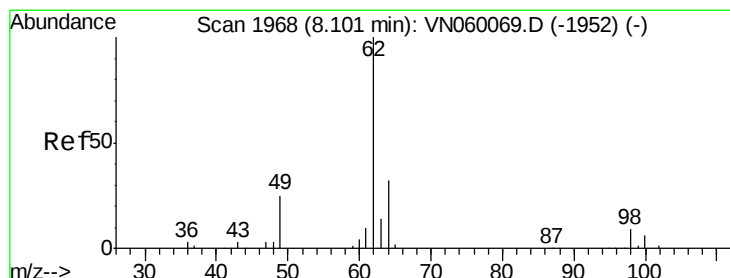
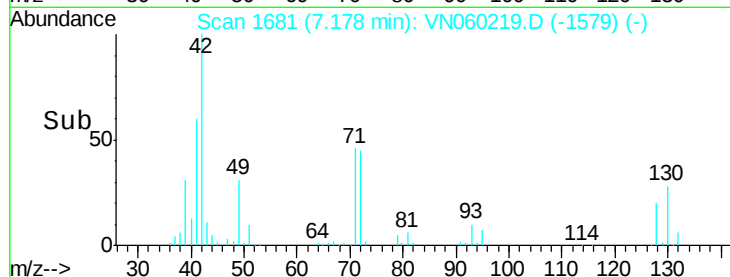
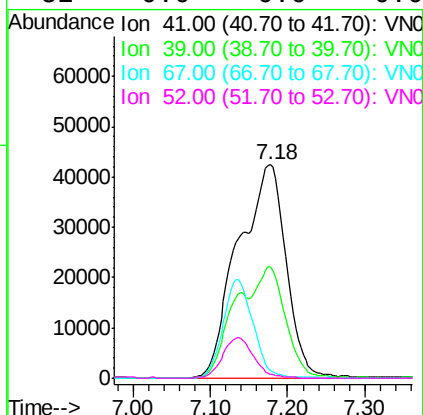
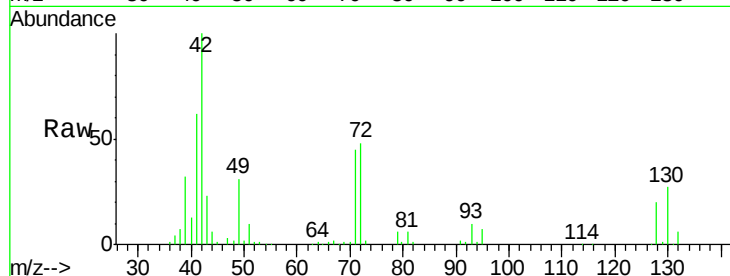




#41
Methacrylonitrile
Concen: 174.99 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

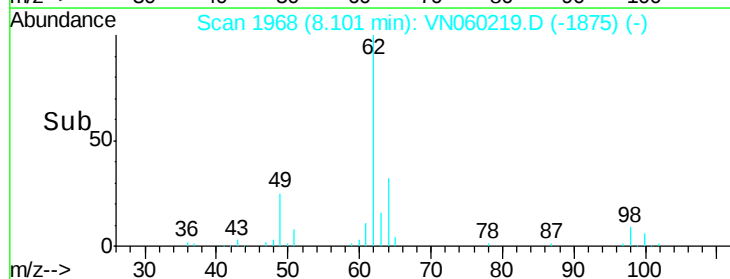
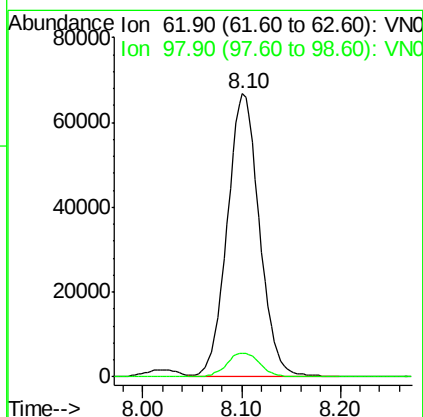
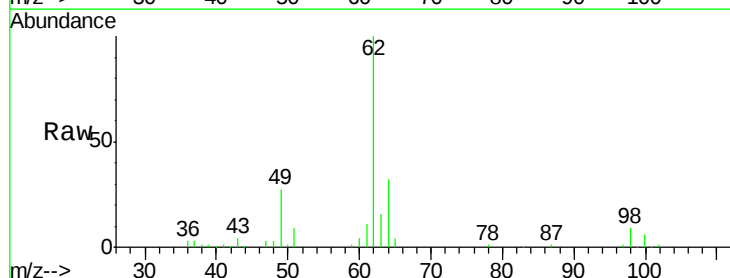
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

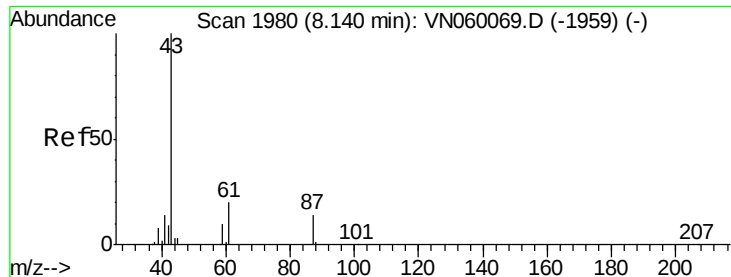
Tgt Ion:	41	Resp:	183028
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 53.00 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion:	62	Resp:	152056
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2



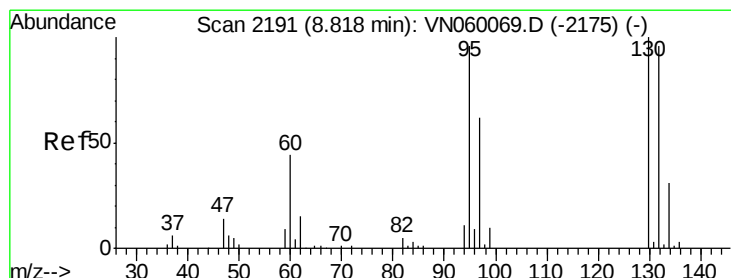
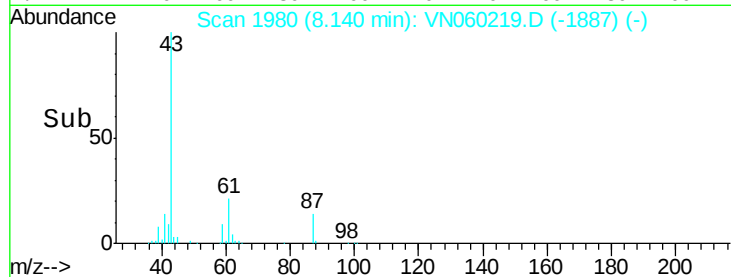
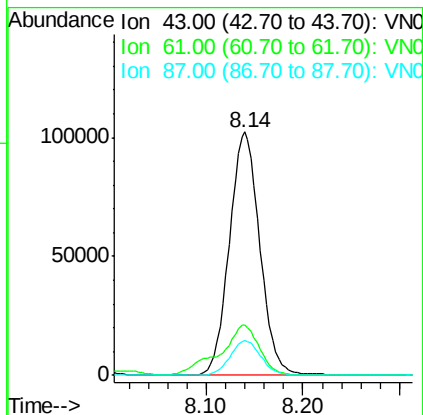
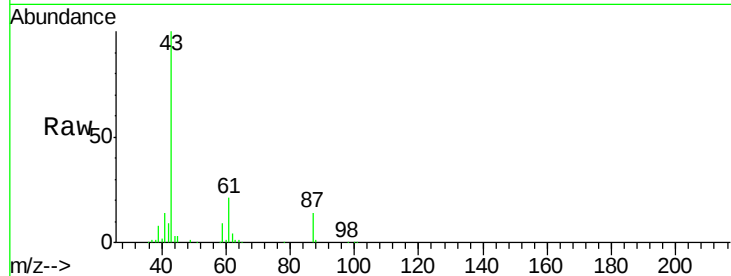


#43

Isopropyl Acetate
 Concen: 52.49 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

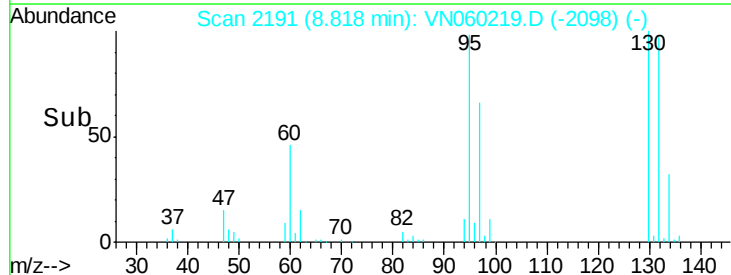
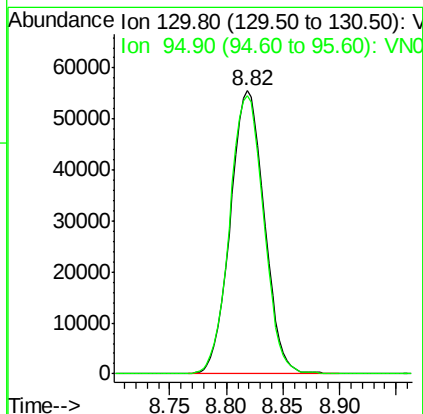
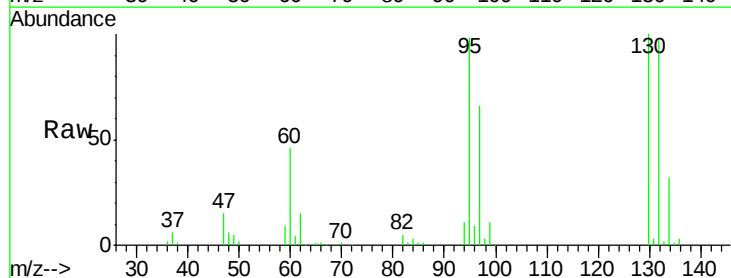
Tgt Ion: 43 Resp: 223772
 Ion Ratio Lower Upper
 43 100
 61 27.0 21.8 32.6
 87 14.3 11.4 17.2

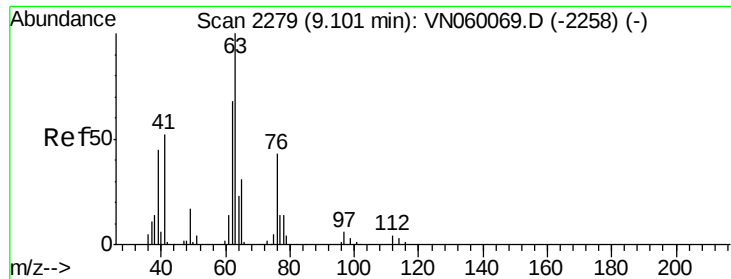


#44

Trichloroethene
 Concen: 51.35 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 130 Resp: 116397
 Ion Ratio Lower Upper
 130 100
 95 98.5 0.0 192.4

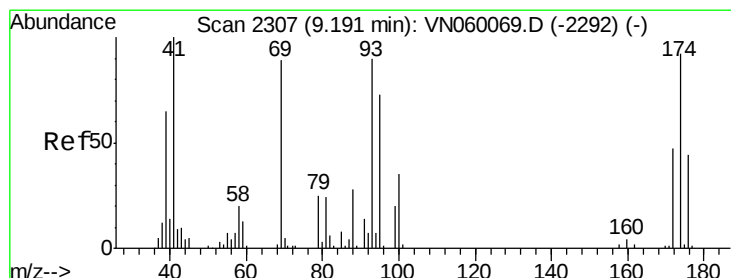
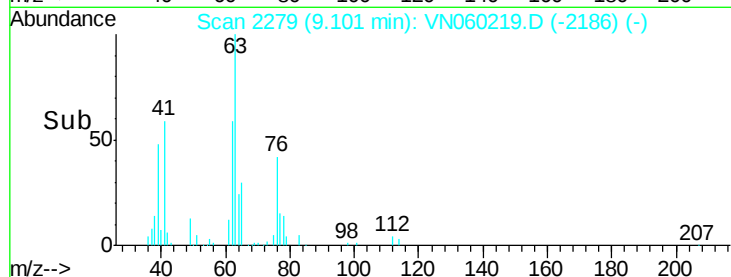
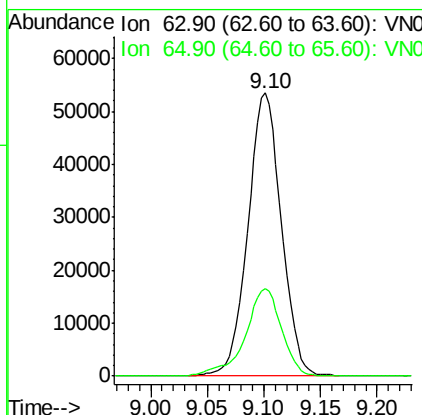
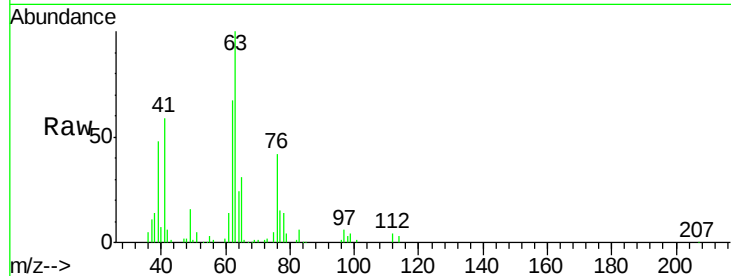




#45
 1,2-Dichloropropane
 Concen: 54.23 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

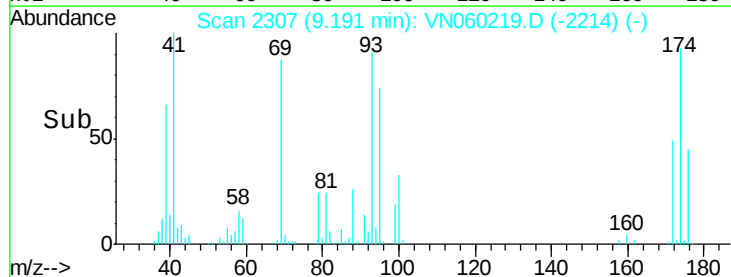
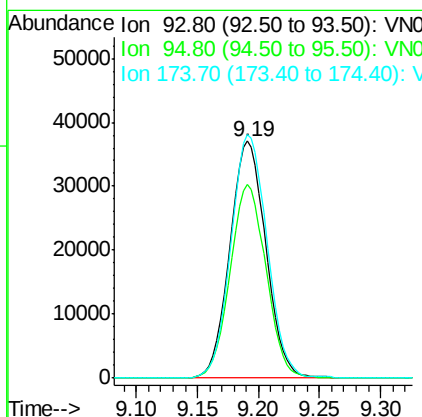
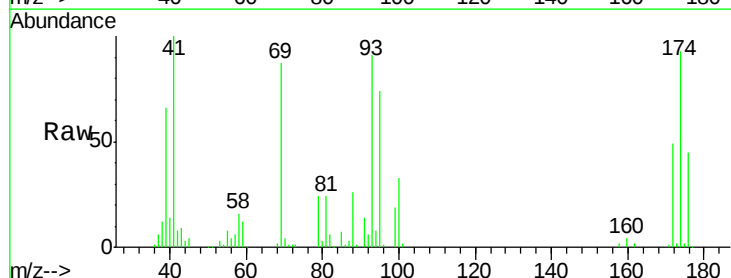
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 109909
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.4



#46
 Dibromomethane
 Concen: 53.06 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 93 Resp: 75993
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.0 97.6
 174 103.2 82.3 123.5





#47

Bromodichloromethane

Concen: 54.04 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

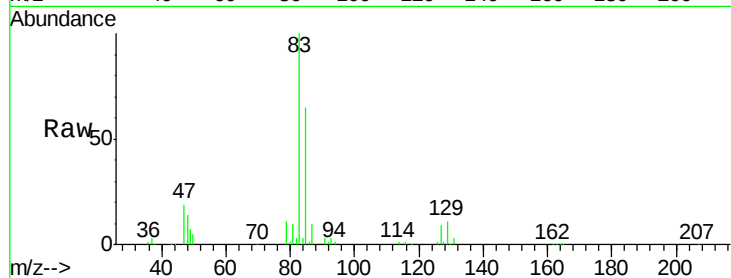
Tgt Ion: 83 Resp: 157340

Ion Ratio Lower Upper

83 100

85 65.5 50.6 75.8

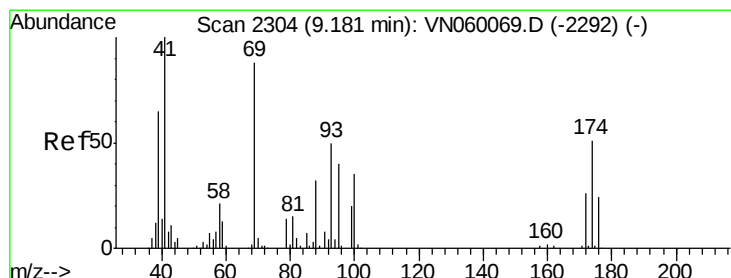
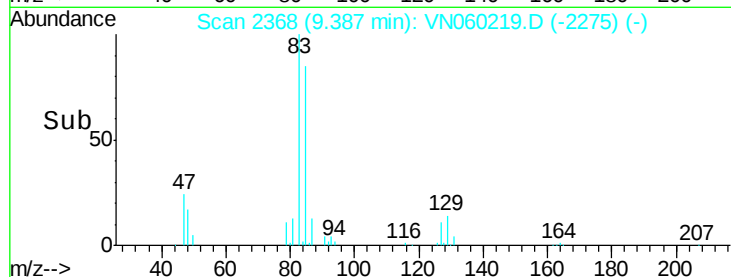
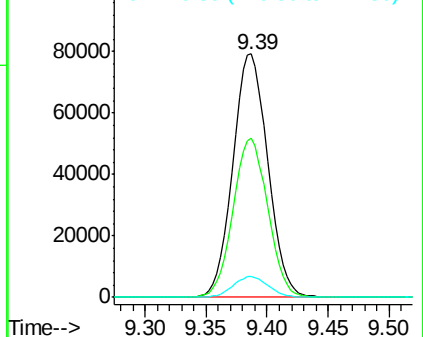
127 8.6 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN060219.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060219.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060219.D (-2275) (-)



#48

Methyl methacrylate

Concen: 52.49 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

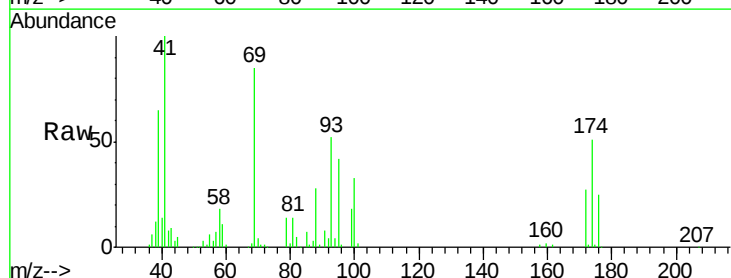
Tgt Ion: 41 Resp: 100404

Ion Ratio Lower Upper

41 100

69 89.6 72.0 108.0

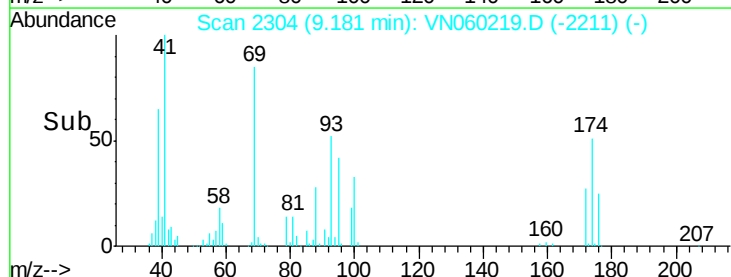
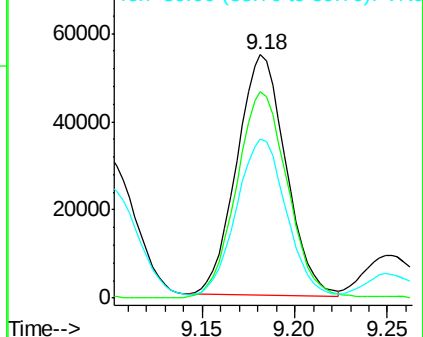
39 65.3 54.1 81.1

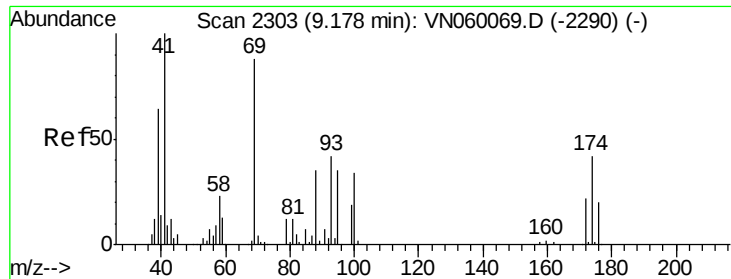


Abundance Ion 41.00 (40.70 to 41.70): VN060219.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060219.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060219.D (-2211) (-)

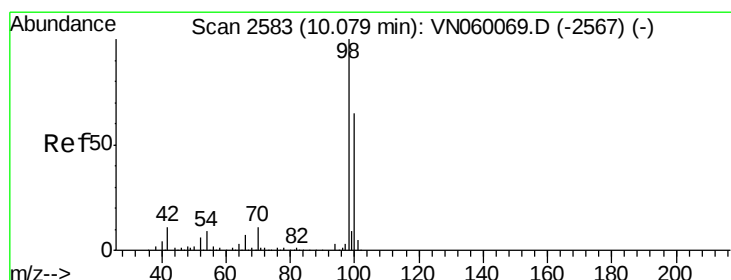
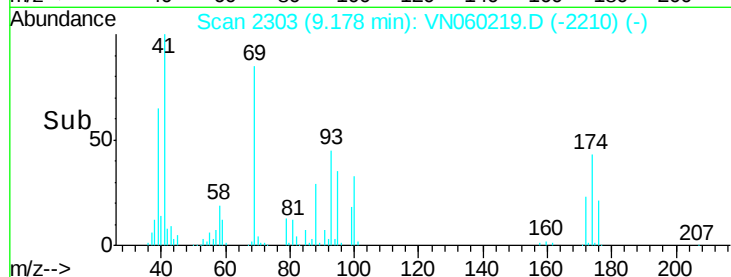
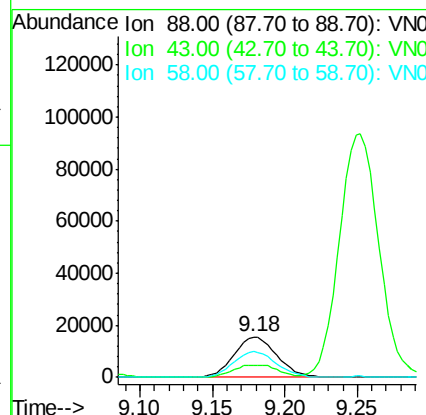
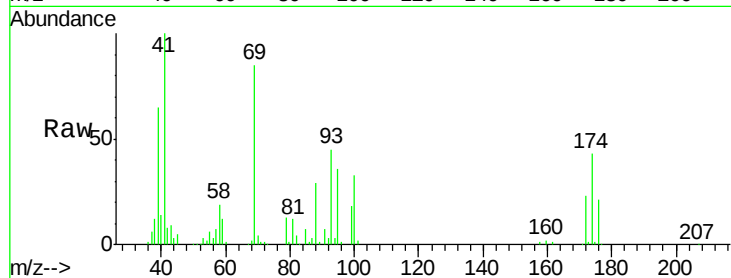




#49
1,4-Dioxane
Concen: 980.07 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

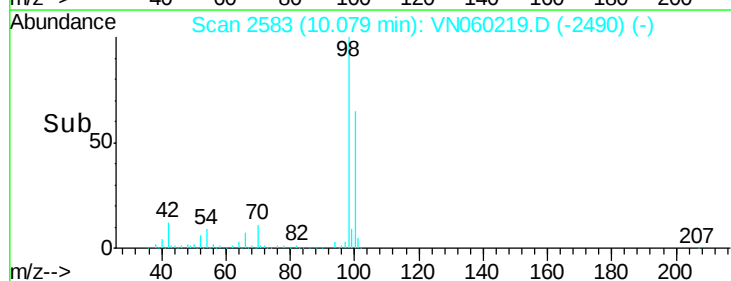
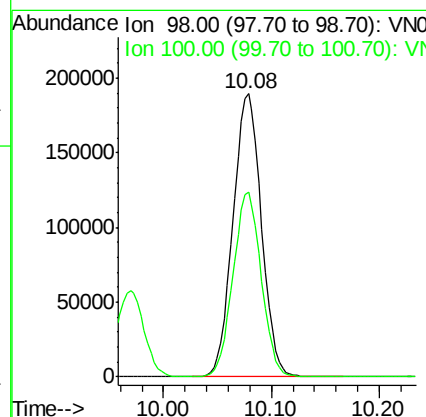
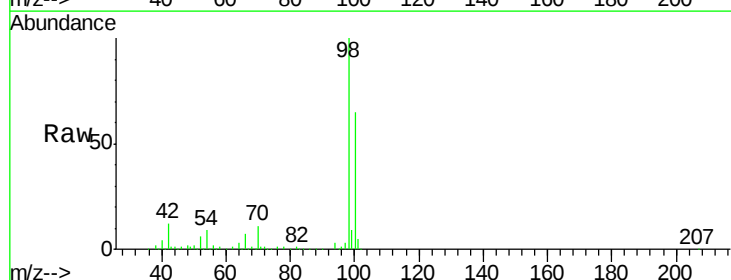
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 32031
Ion Ratio Lower Upper
88 100
43 32.2 26.2 39.2
58 63.7 53.2 79.8



#50
Toluene-d8
Concen: 48.28 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion: 98 Resp: 348209
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

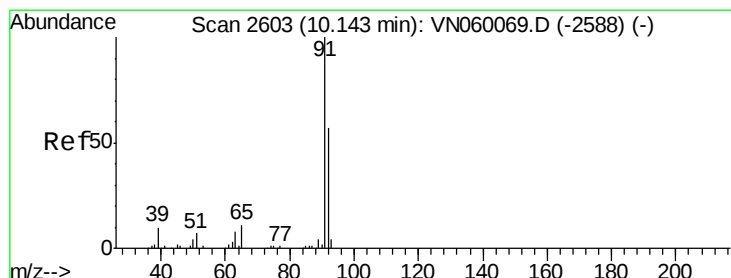
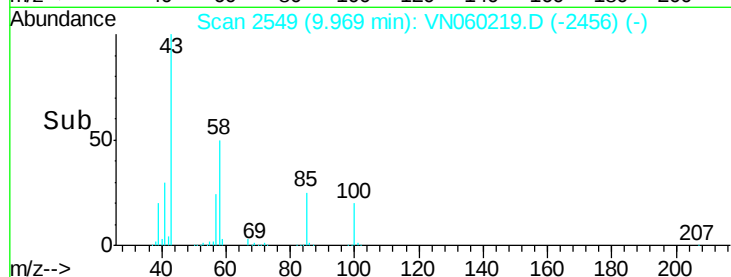
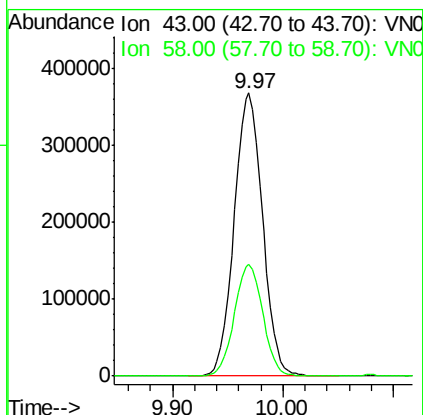
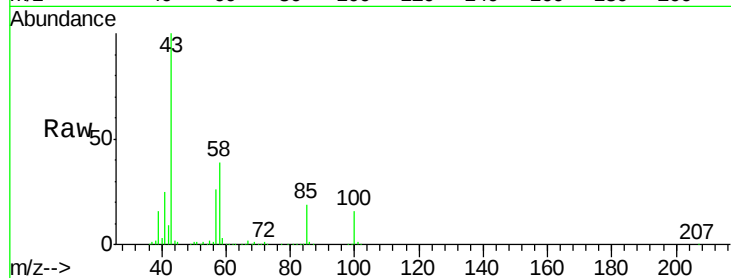




#51
 4-Methyl-2-Pentanone
 Concen: 266.61 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

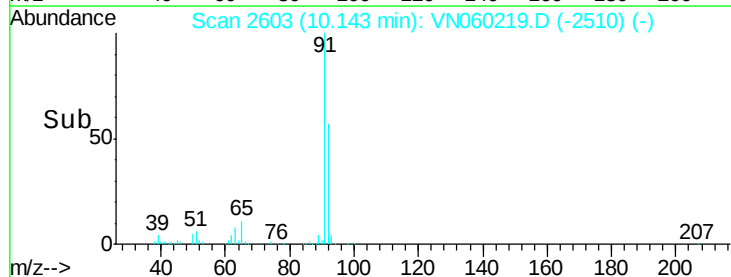
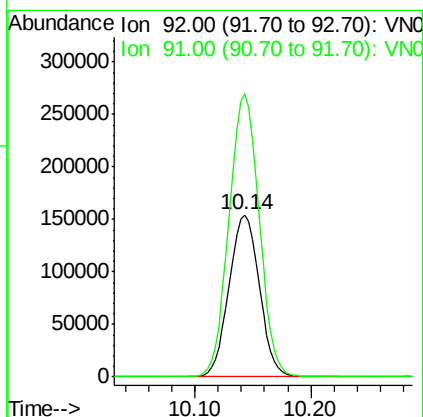
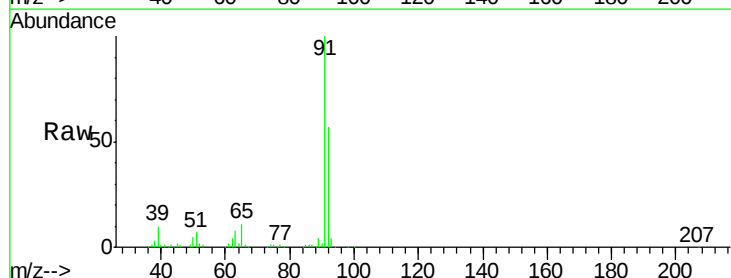
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

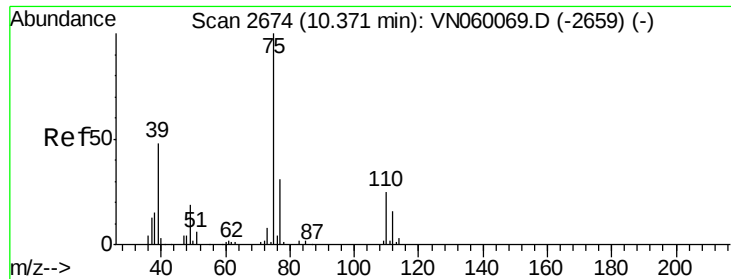
Tgt Ion: 43 Resp: 657914
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.8



#52
 Toluene
 Concen: 52.96 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 92 Resp: 278027
 Ion Ratio Lower Upper
 92 100
 91 174.7 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 54.30 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampled :

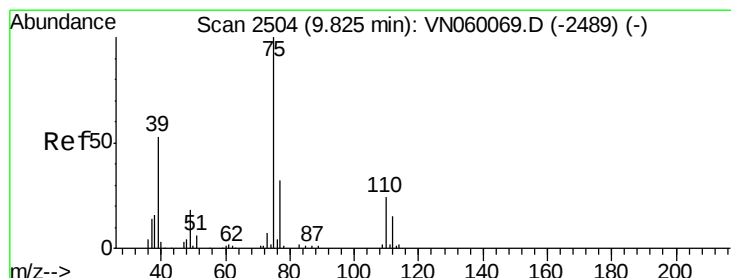
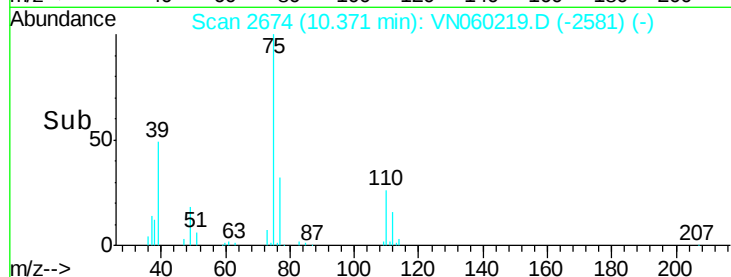
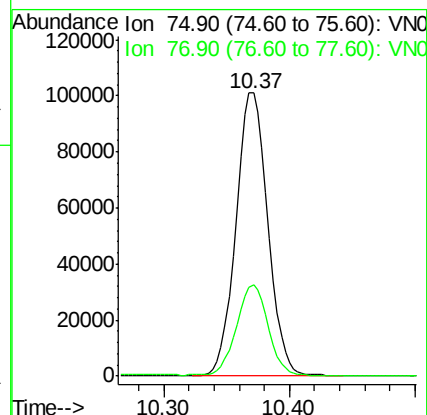
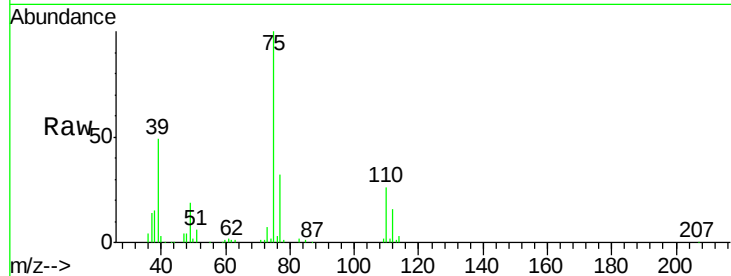
VSTDCCC050

Tgt Ion: 75 Resp: 178464

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 53.73 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

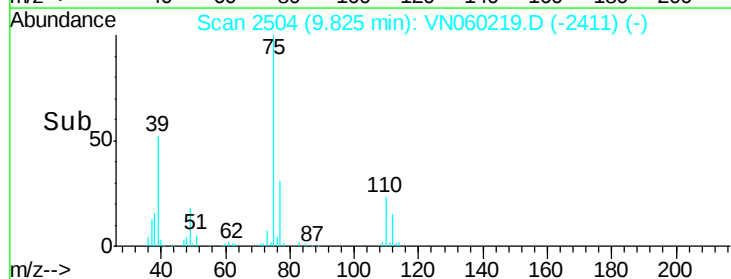
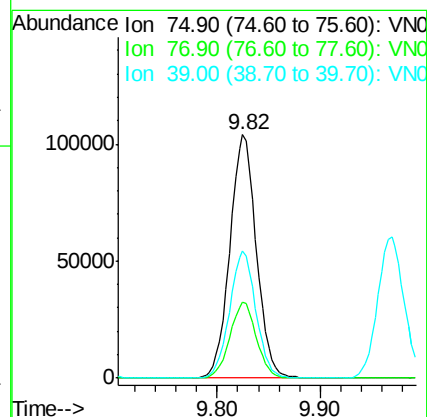
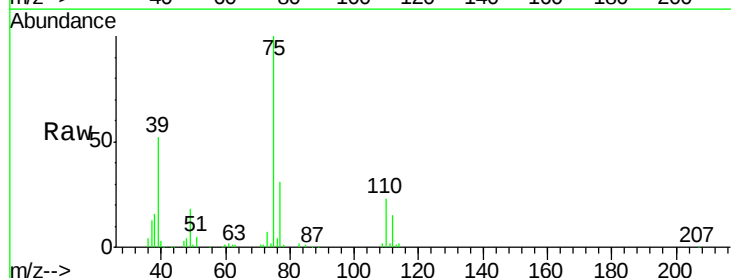
Tgt Ion: 75 Resp: 185945

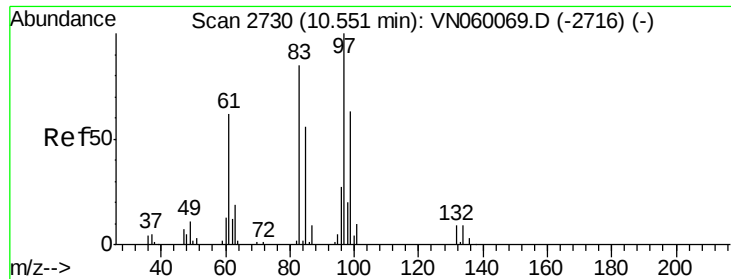
Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

39 52.2 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 53.03 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 108610

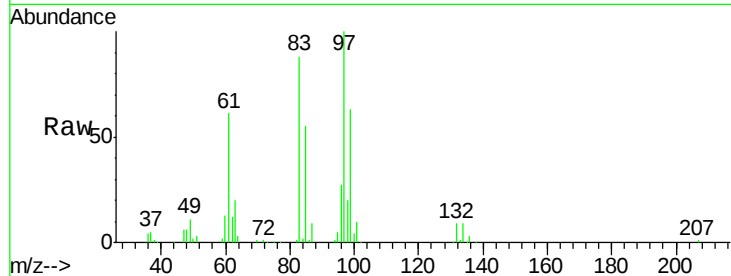
Ion Ratio Lower Upper

97 100

83 87.7 67.9 101.9

85 55.3 44.6 67.0

99 62.6 50.1 75.1

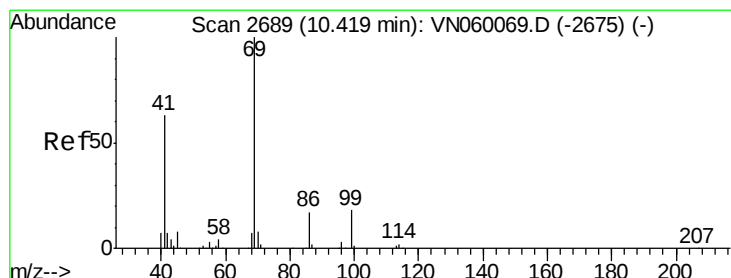
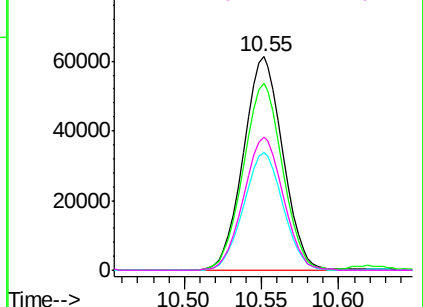
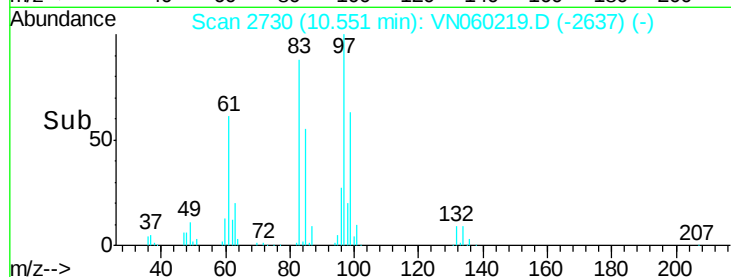


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 55.38 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

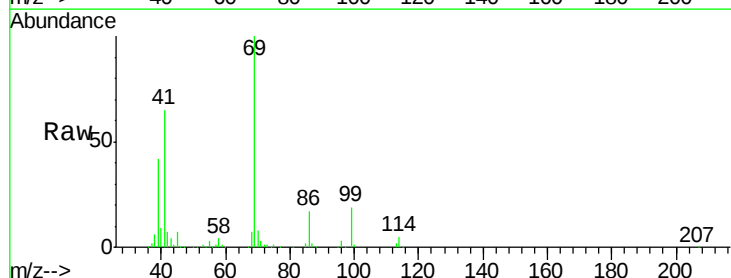
Tgt Ion: 69 Resp: 160423

Ion Ratio Lower Upper

69 100

41 64.9 51.1 76.7

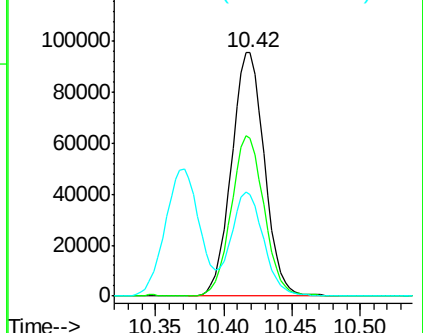
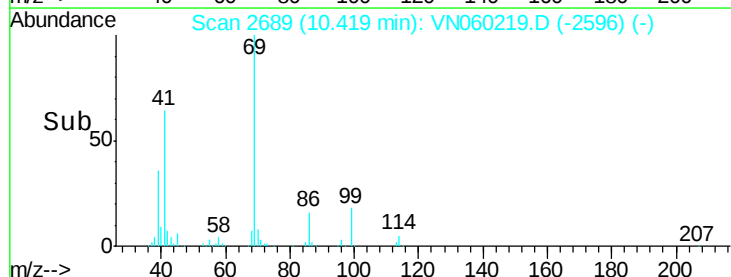
39 42.3 33.8 50.8

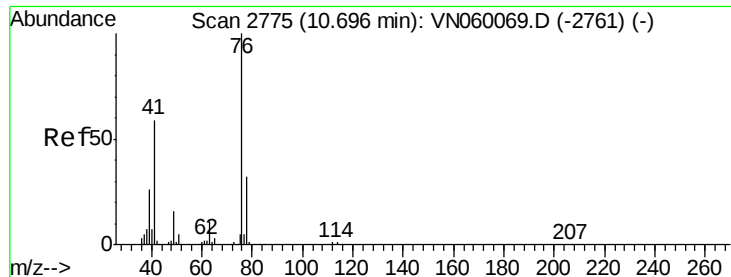


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.63 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampled :

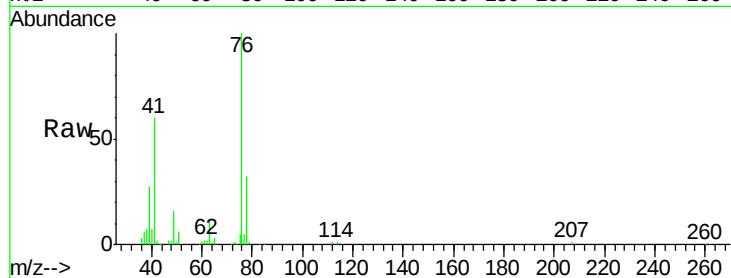
VSTDCCC050

Tgt Ion: 76 Resp: 177847

Ion Ratio Lower Upper

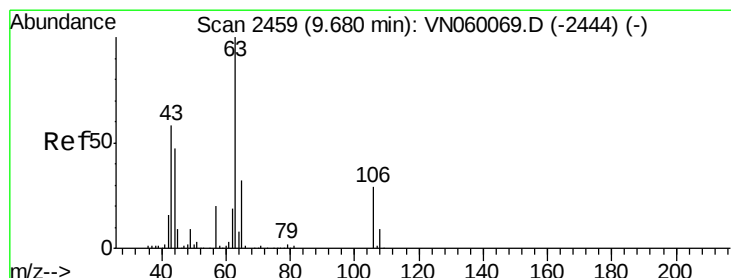
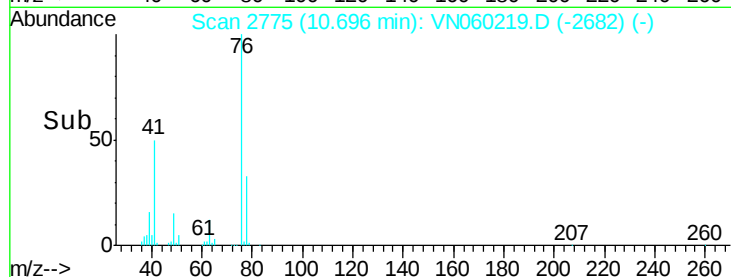
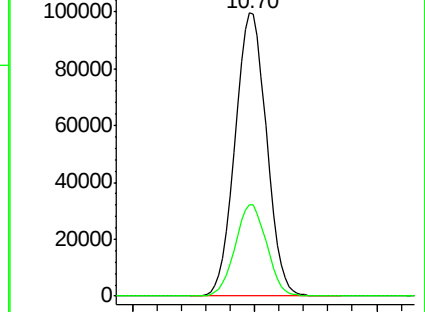
76 100

78 32.6 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN060219.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060219.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 234.57 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060219.D

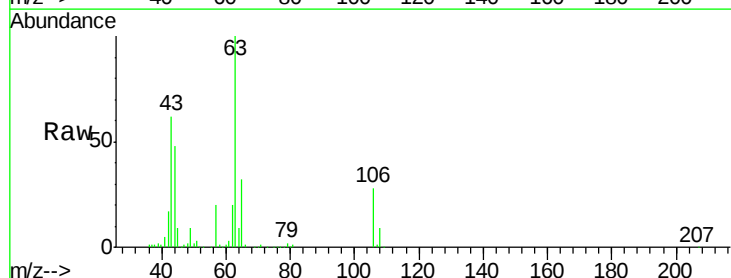
Acq: 25 Feb 2020 8:55

Tgt Ion: 63 Resp: 316582

Ion Ratio Lower Upper

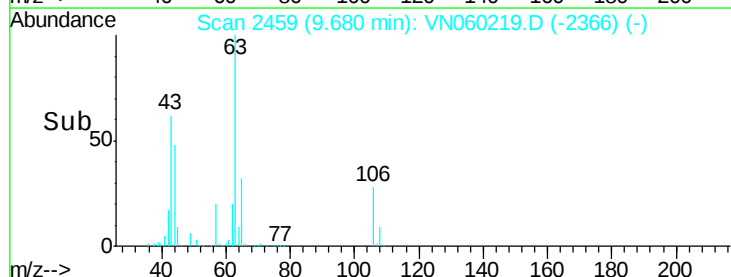
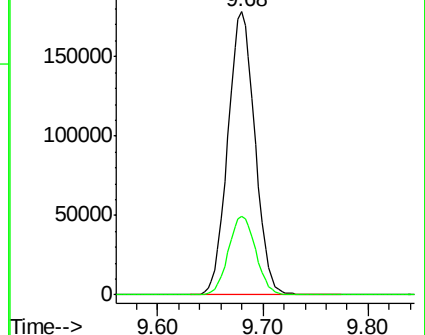
63 100

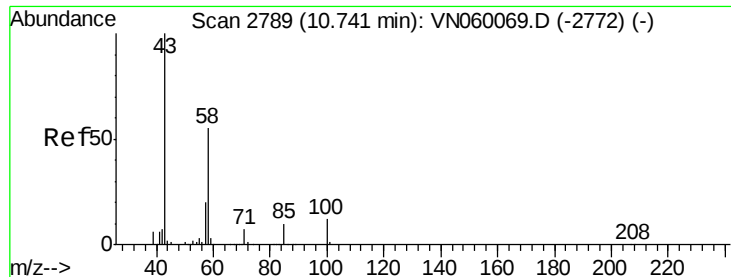
106 28.0 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN060219.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060219.D (-2366) (-)

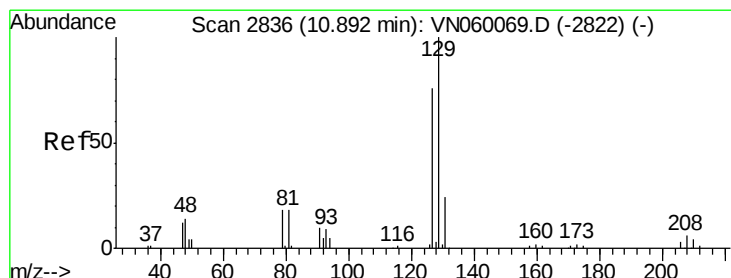
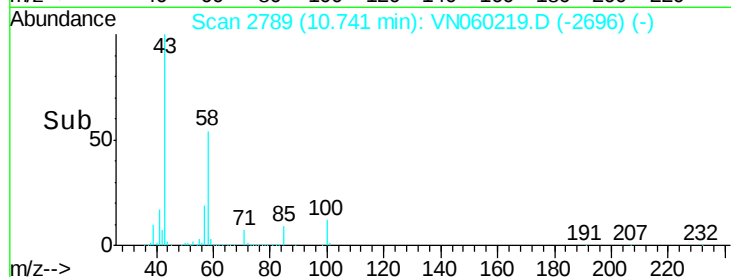
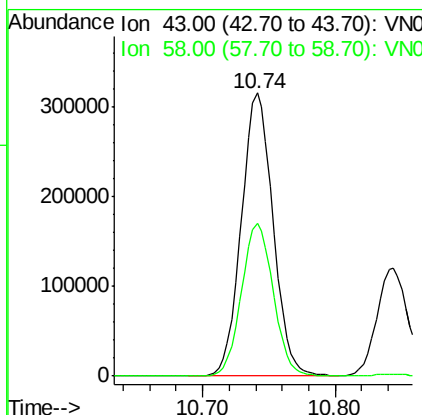
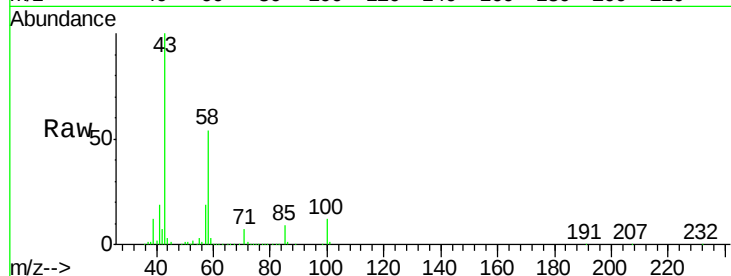




#59
2-Hexanone
Concen: 274.57 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

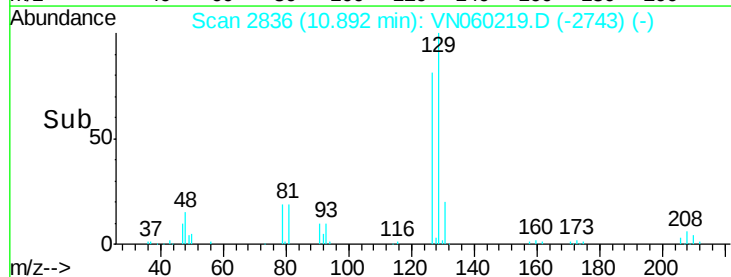
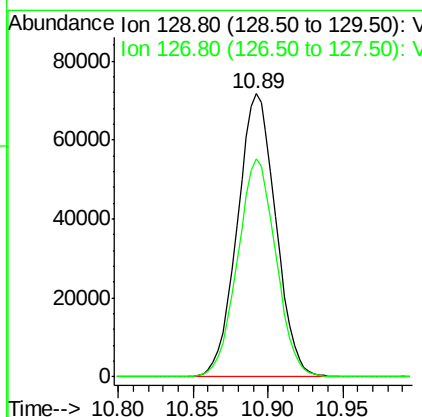
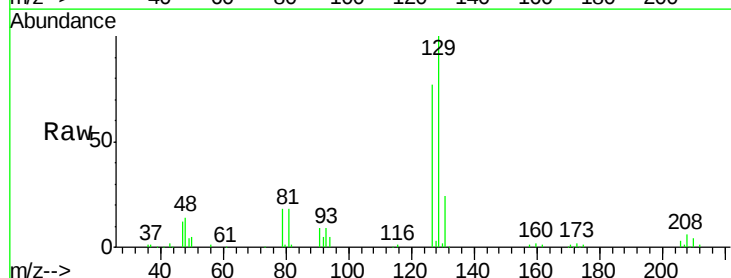
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

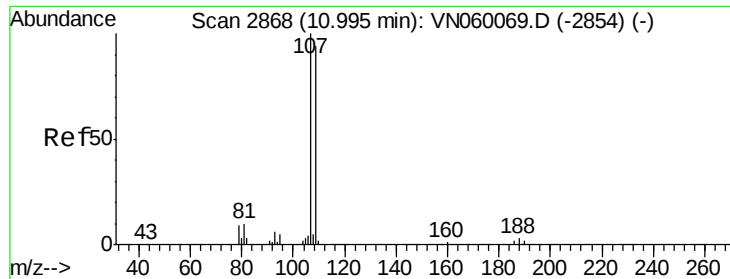
Tgt Ion: 43 Resp: 523396
Ion Ratio Lower Upper
43 100
58 54.2 27.5 82.4



#60
Dibromochloromethane
Concen: 54.49 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion: 129 Resp: 128056
Ion Ratio Lower Upper
129 100
127 76.6 38.0 114.1

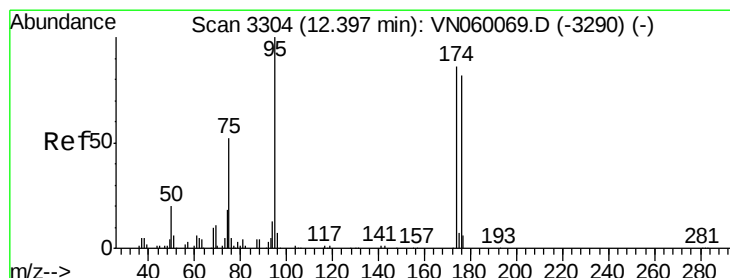
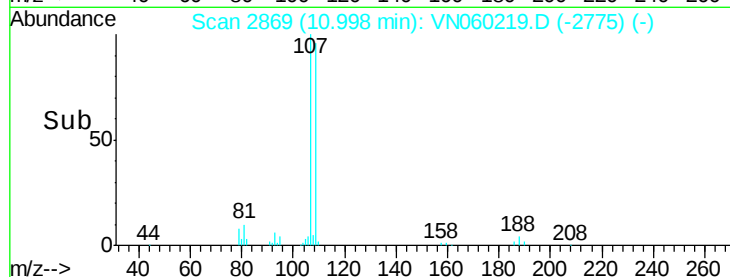
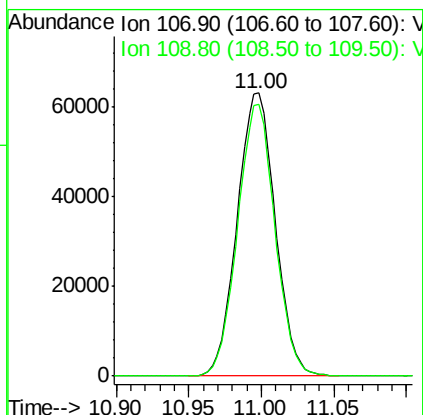
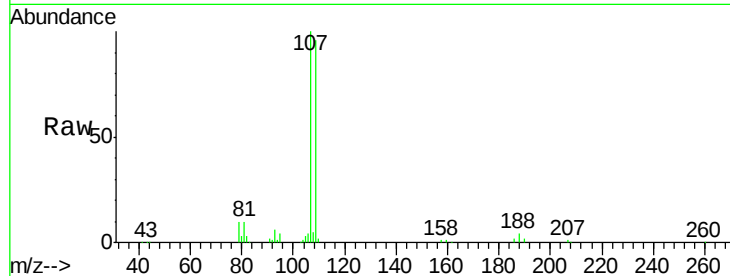




#61
 1,2-Dibromoethane
 Concen: 53.80 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

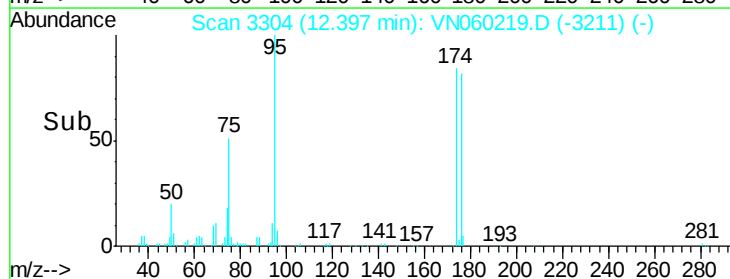
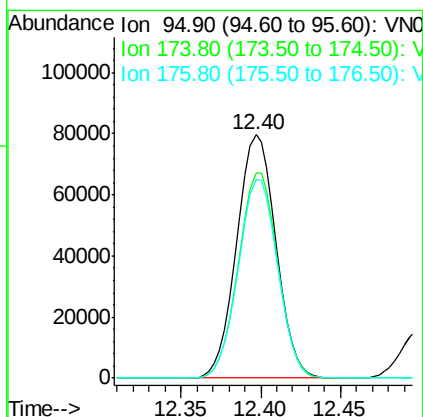
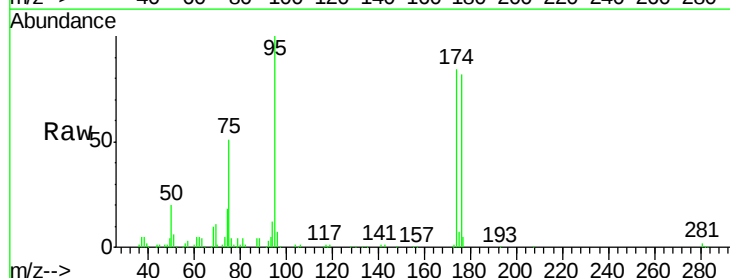
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 115493
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.20 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 95 Resp: 133023
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 169.8
 176 82.3 0.0 164.8

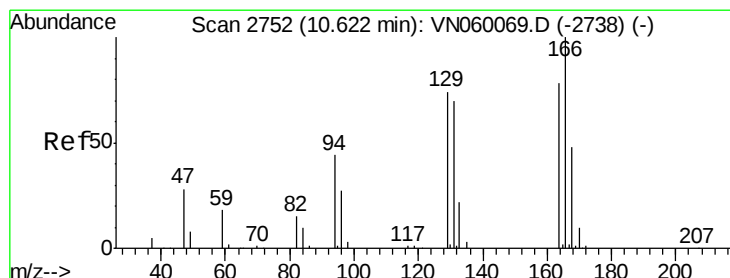
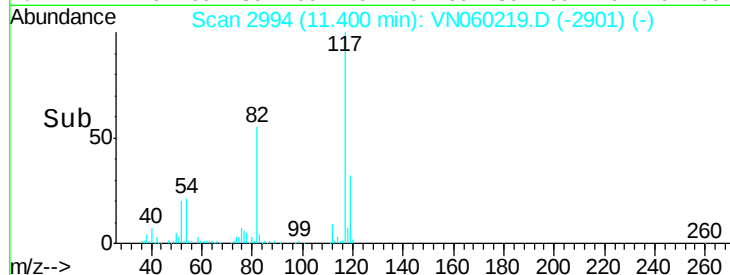
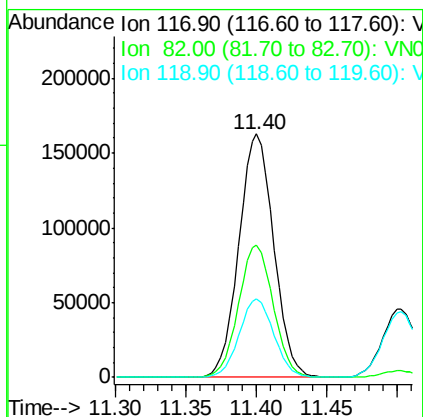
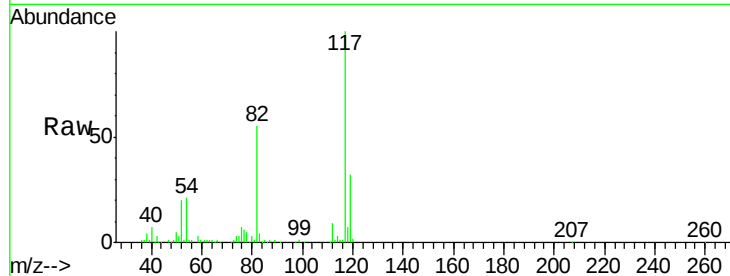




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

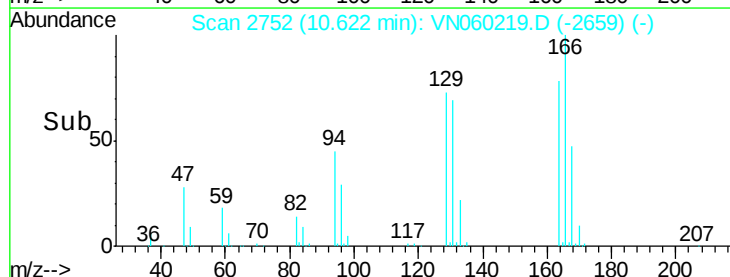
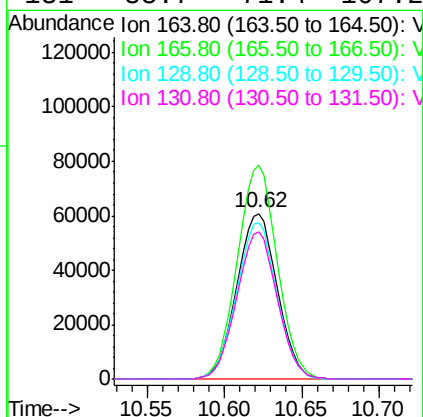
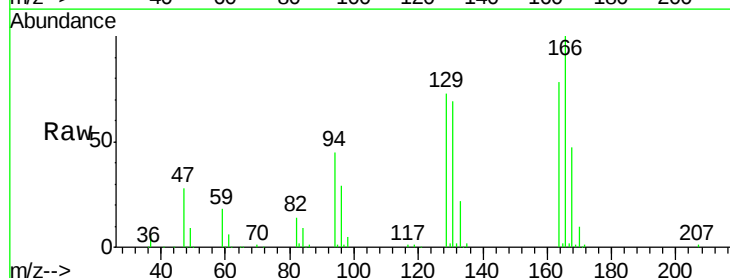
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

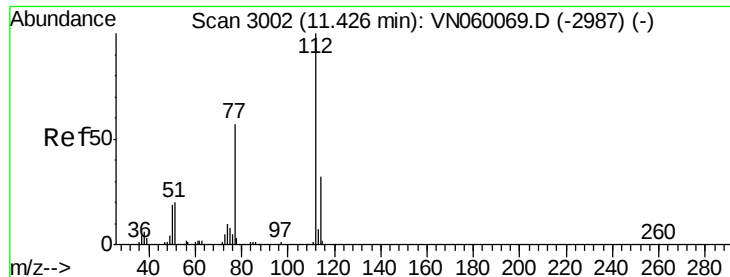
Tgt Ion:117 Resp: 281842
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 51.49 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion:164 Resp: 110319
Ion Ratio Lower Upper
164 100
166 128.9 101.9 152.9
129 94.7 75.4 113.0
131 88.7 71.4 107.2

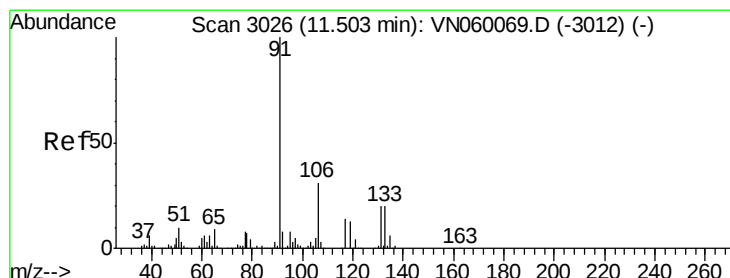
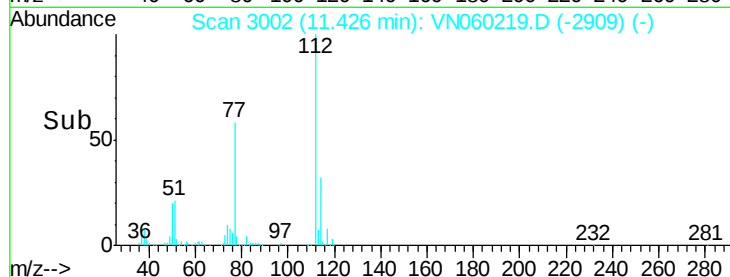
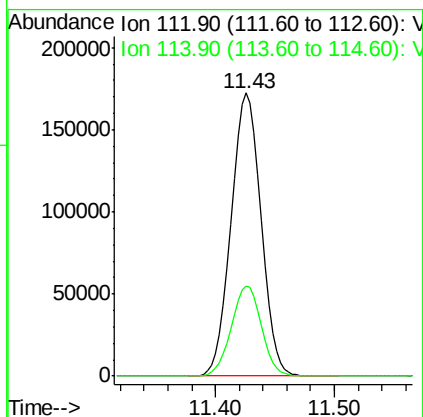
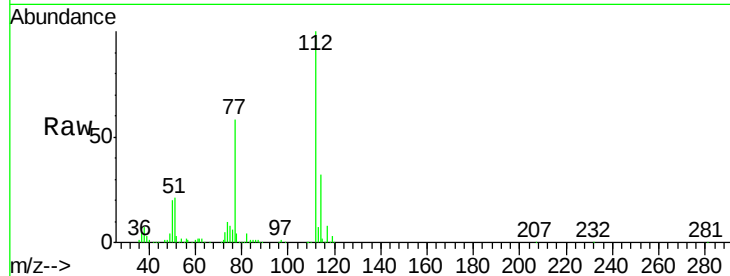




#65
Chlorobenzene
Concen: 52.41 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

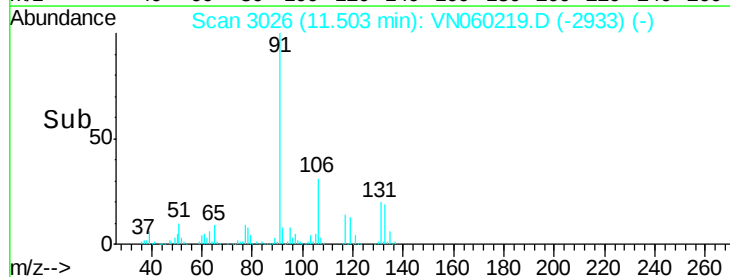
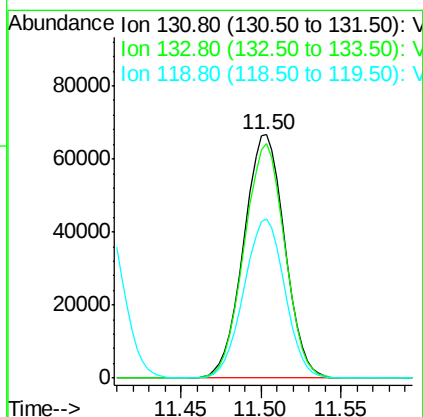
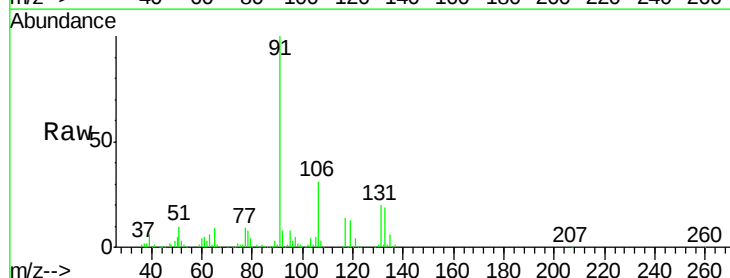
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

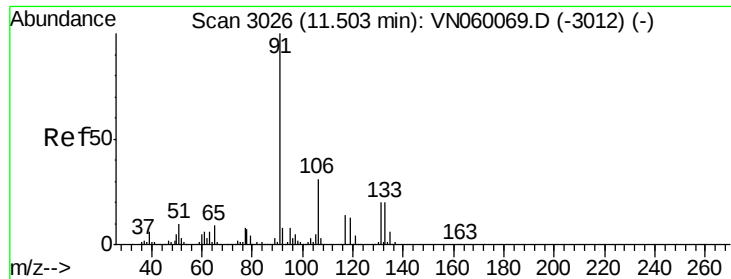
Tgt Ion:112 Resp: 300919
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.83 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion:131 Resp: 116929
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.7
119 65.1 32.6 97.7





#67

Ethyl Benzene

Concen: 53.41 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

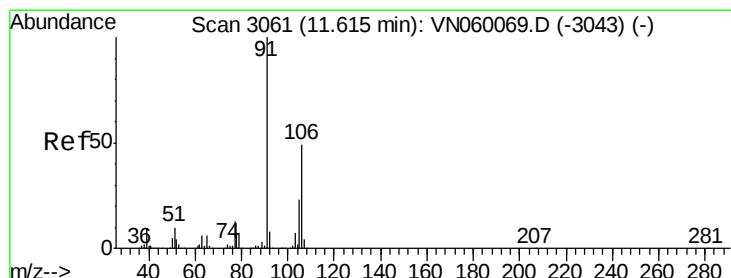
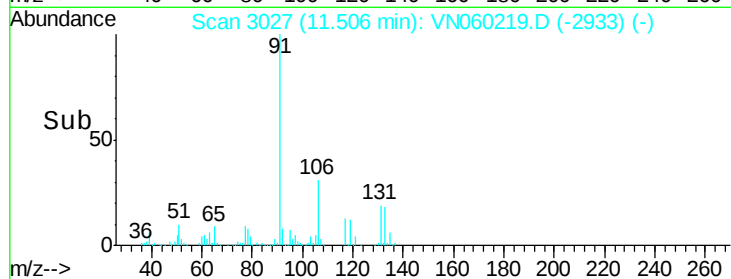
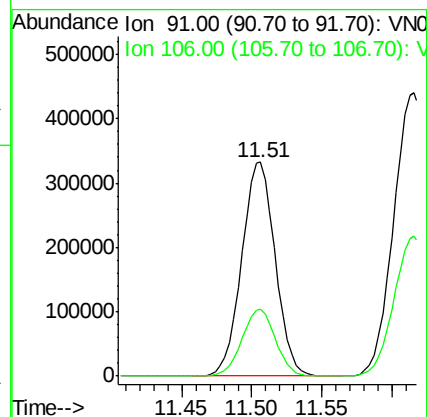
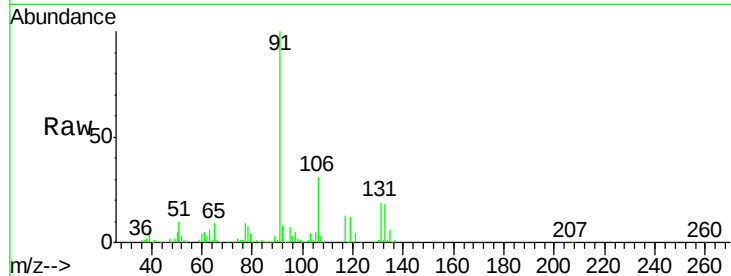
VSTDCCC050

Tgt Ion: 91 Resp: 553090

Ion Ratio Lower Upper

91 100

106 31.1 25.1 37.7



#68

m/p-Xylenes

Concen: 107.23 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060219.D

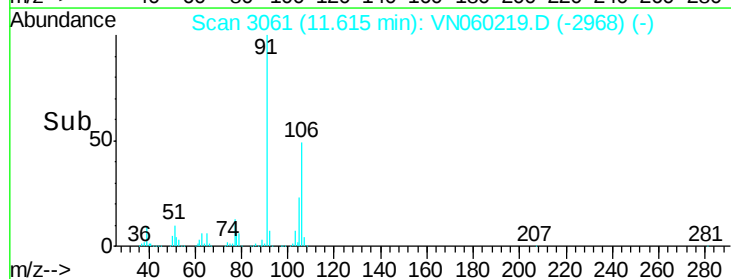
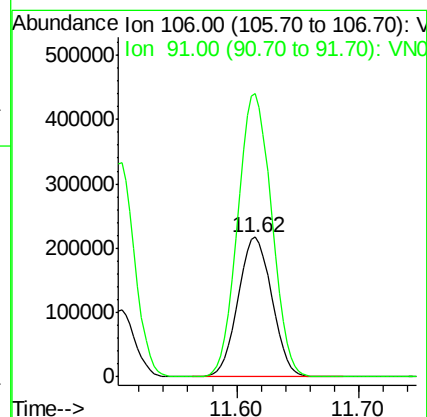
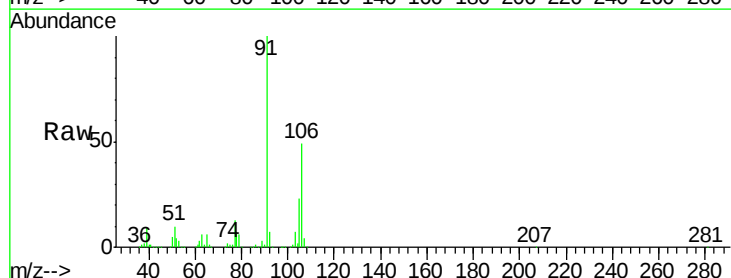
Acq: 25 Feb 2020 8:55

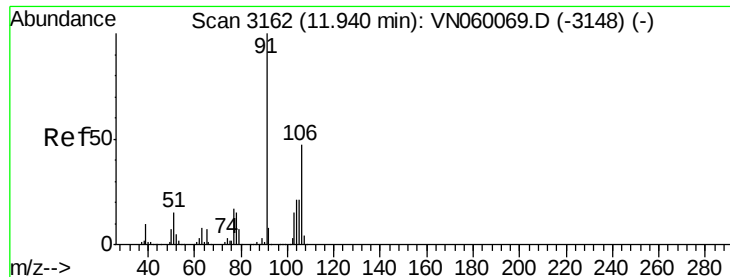
Tgt Ion: 106 Resp: 416781

Ion Ratio Lower Upper

106 100

91 203.5 162.7 244.1

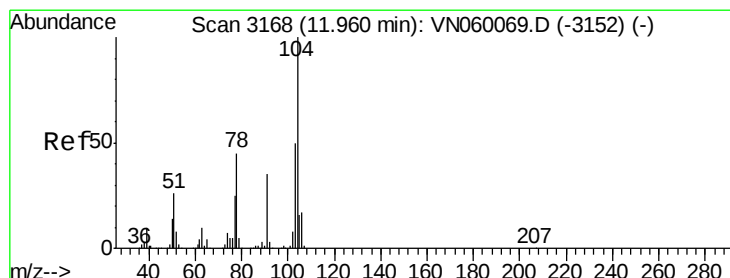
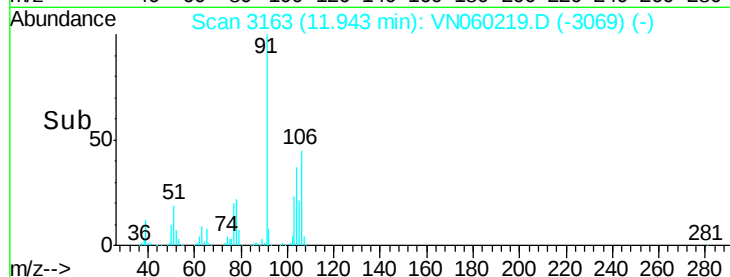
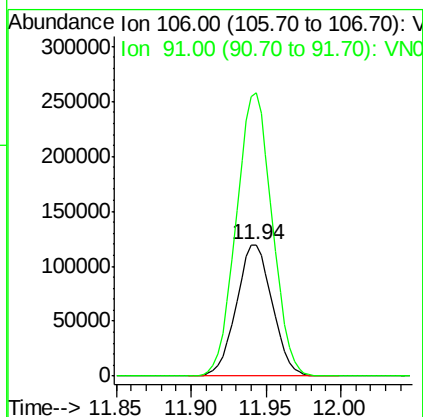
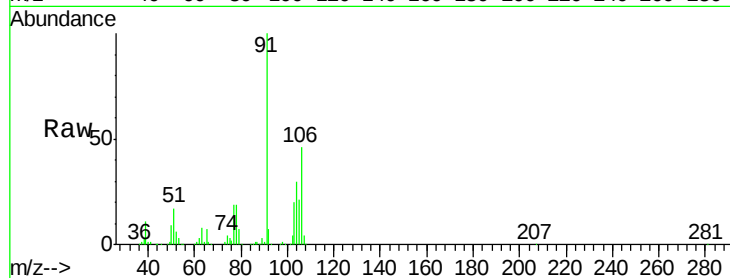




#69
o-Xylene
Concen: 53.33 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

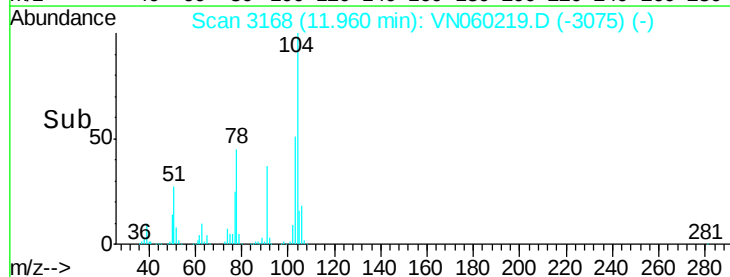
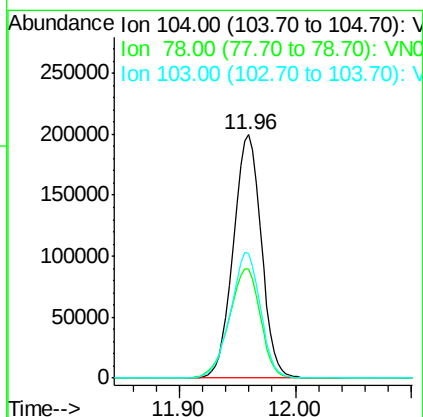
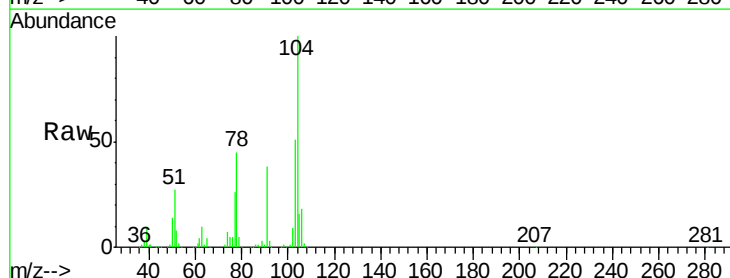
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

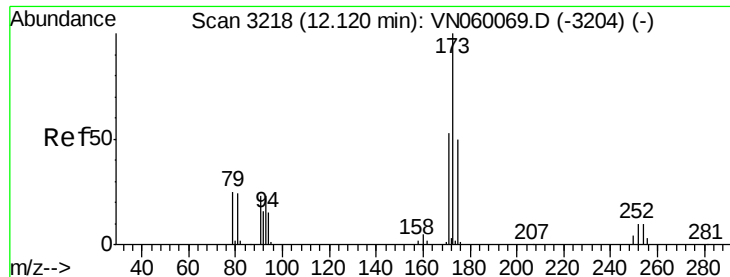
Tgt Ion:106 Resp: 199603
Ion Ratio Lower Upper
106 100
91 215.9 107.2 321.6



#70
Styrene
Concen: 55.21 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion:104 Resp: 333184
Ion Ratio Lower Upper
104 100
78 50.1 40.2 60.2
103 55.0 44.3 66.5





#71

Bromoform

Concen: 55.22 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

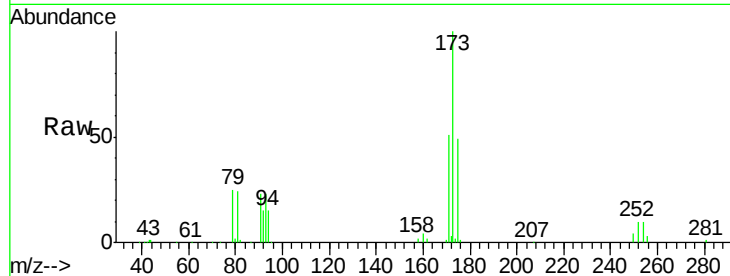
Tgt Ion:173 Resp: 96485

Ion Ratio Lower Upper

173 100

175 48.3 24.9 74.6

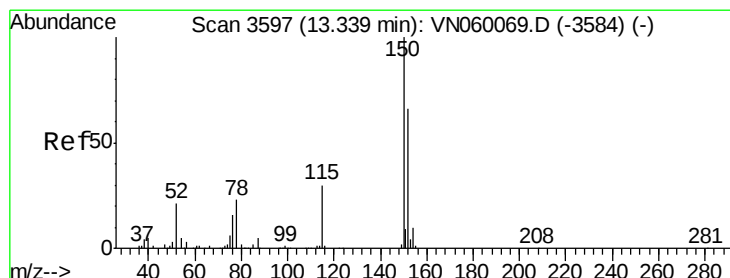
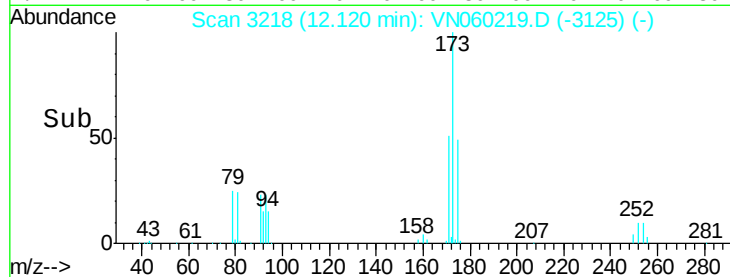
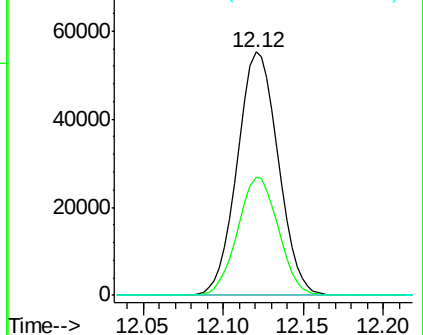
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

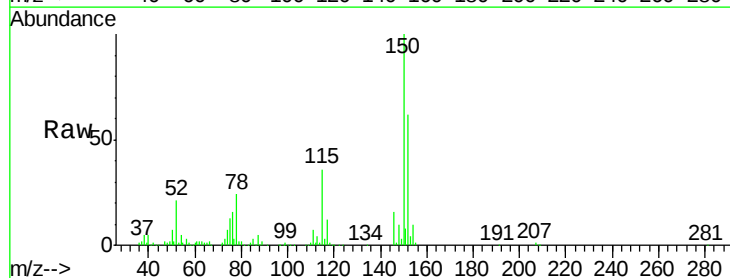
Tgt Ion:152 Resp: 147087

Ion Ratio Lower Upper

152 100

115 57.9 28.9 86.8

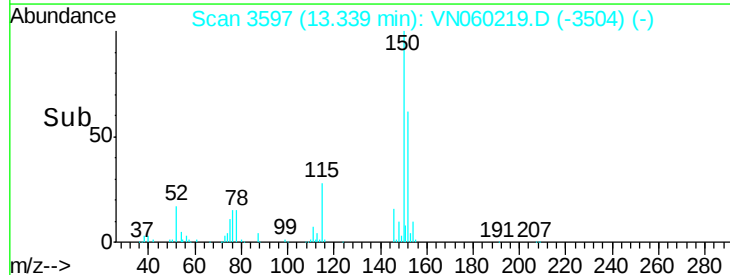
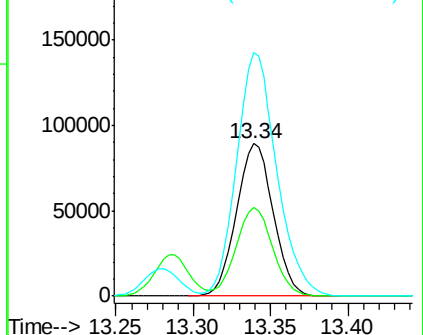
150 174.7 0.0 342.4

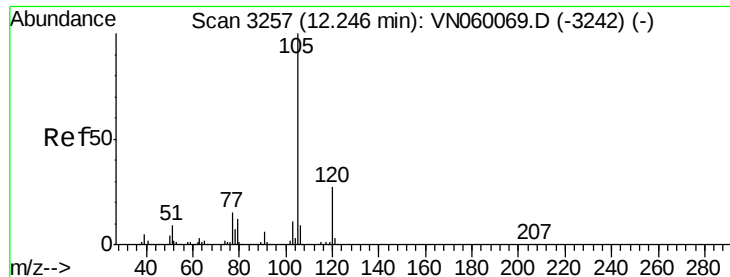


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.05 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

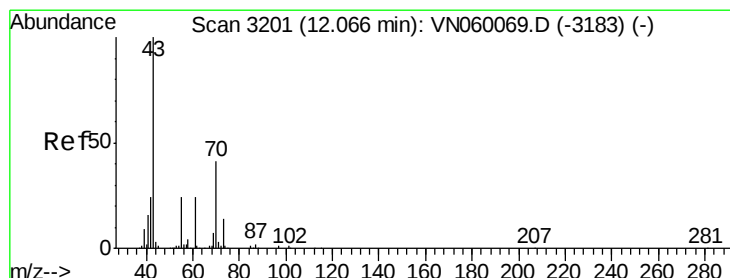
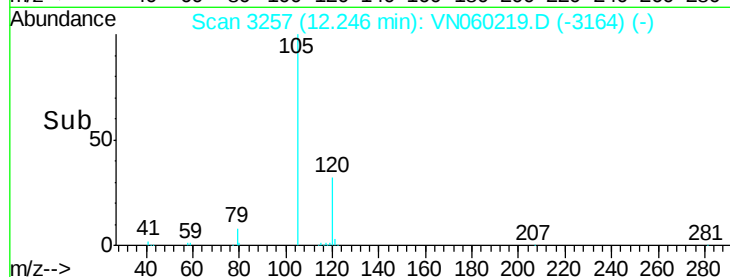
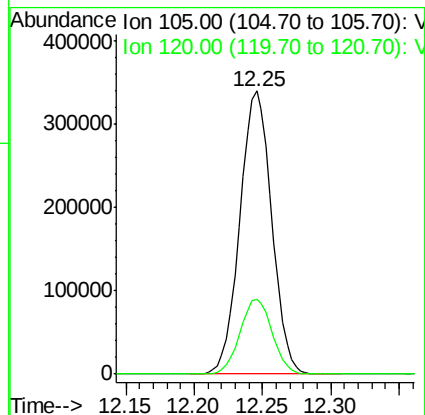
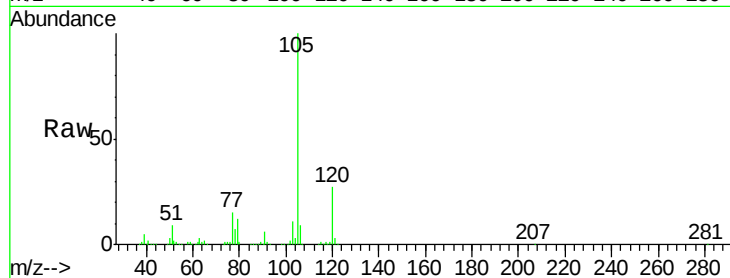
VSTDCCC050

Tgt Ion: 105 Resp: 549686

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 51.89 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion: 43 Resp: 205526

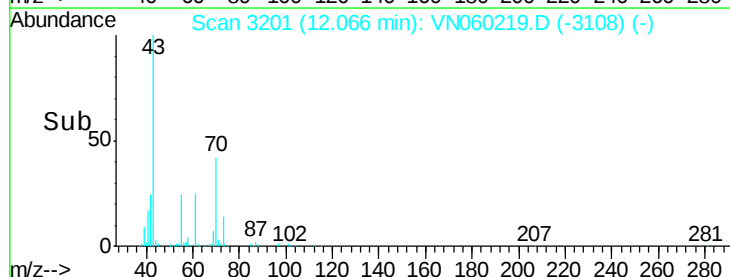
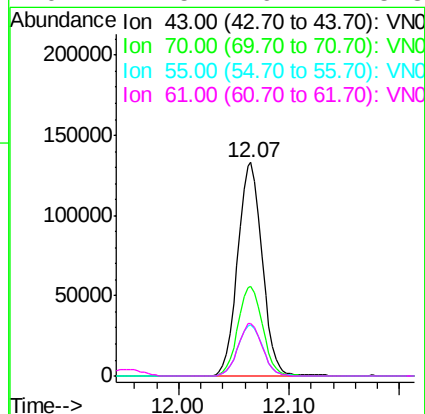
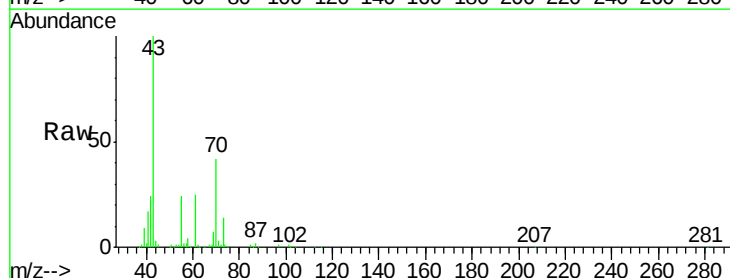
Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.0

55 24.5 18.8 28.2

61 24.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.66 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

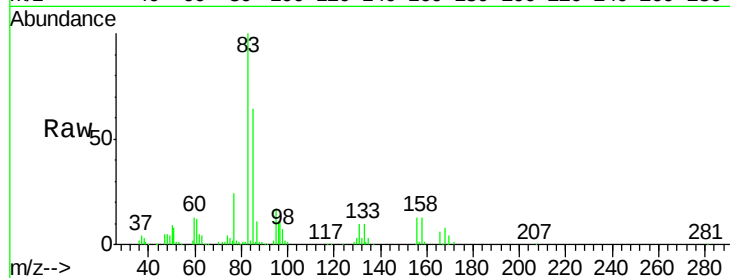
Tgt Ion: 83 Resp: 160171

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

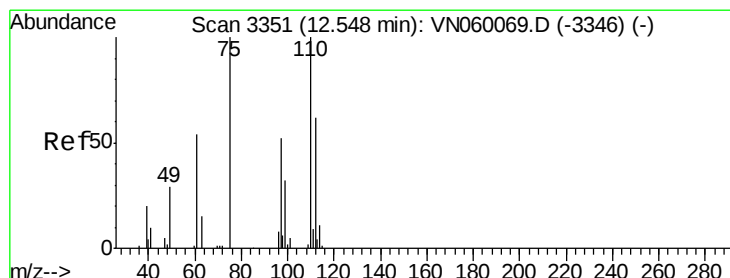
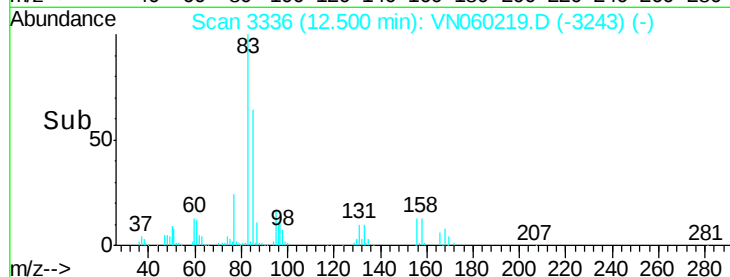
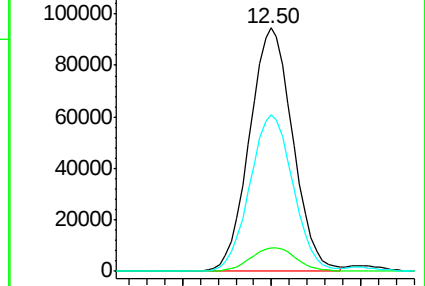
85 64.4 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060219.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060219.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060219.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 76.05 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060219.D

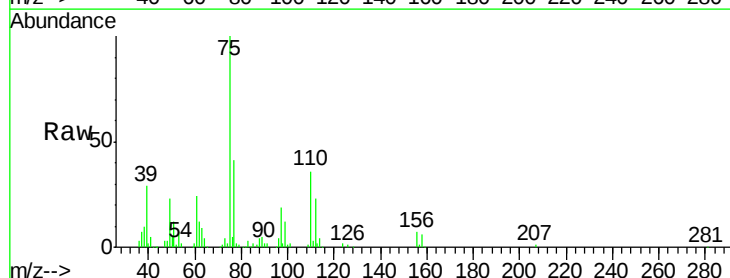
Acq: 25 Feb 2020 8:55

Tgt Ion: 75 Resp: 214012

Ion Ratio Lower Upper

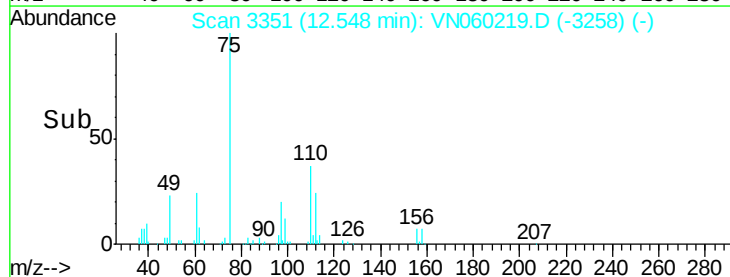
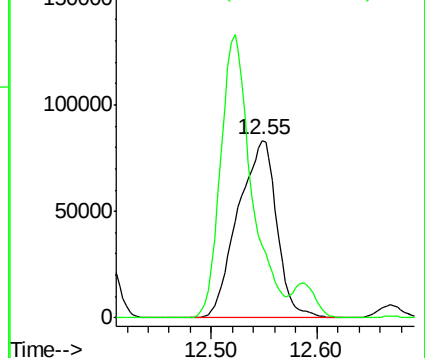
75 100

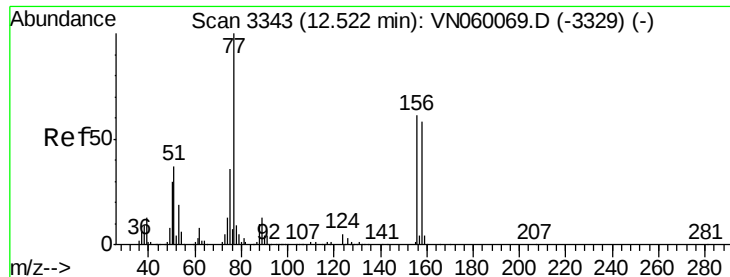
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060219.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060219.D (-3258) (-)





#77

Bromobenzene

Concen: 50.08 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

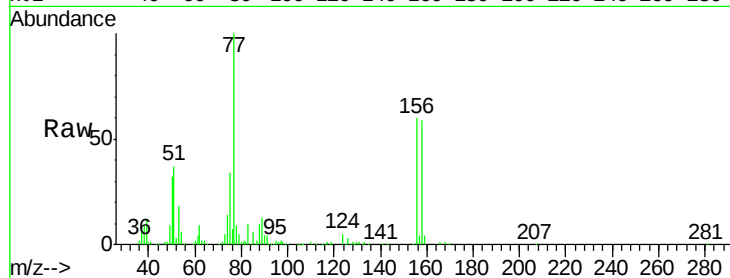
Tgt Ion:156 Resp: 136505

Ion Ratio Lower Upper

156 100

77 198.3 98.7 296.1

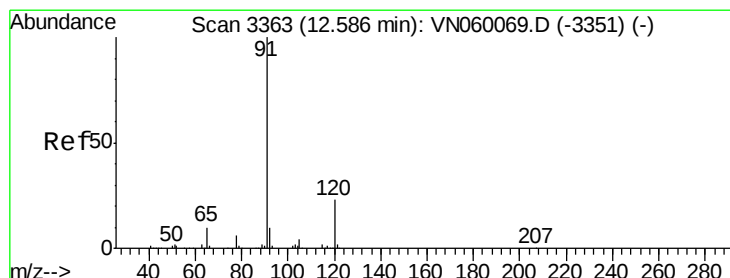
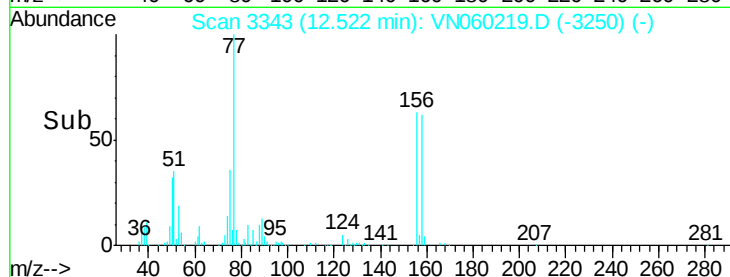
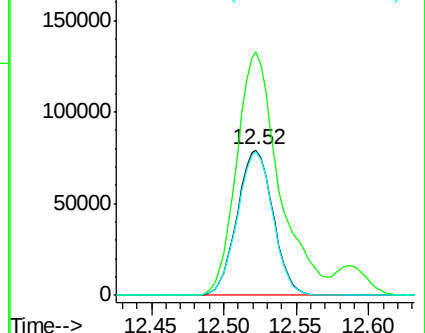
158 97.9 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.21 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060219.D

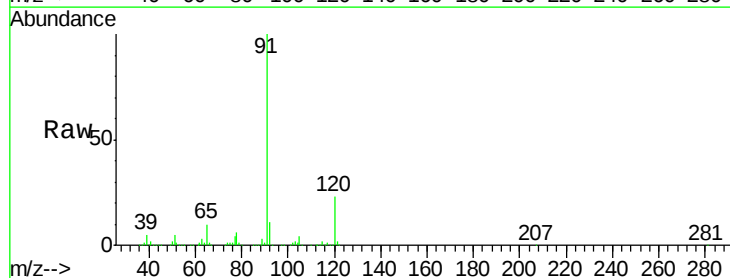
Acq: 25 Feb 2020 8:55

Tgt Ion: 91 Resp: 640860

Ion Ratio Lower Upper

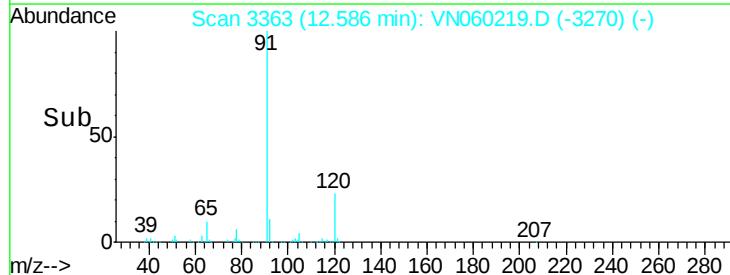
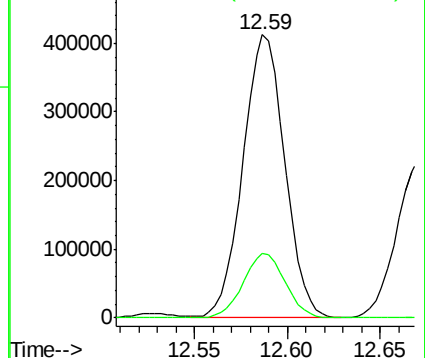
91 100

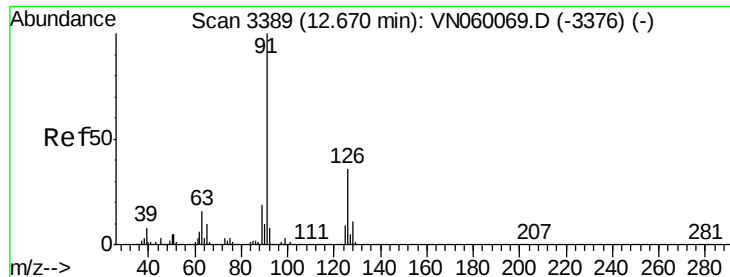
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.25 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

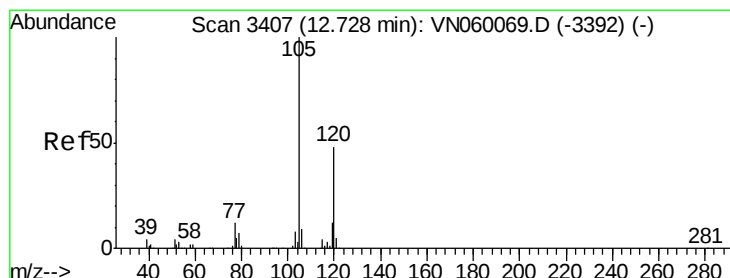
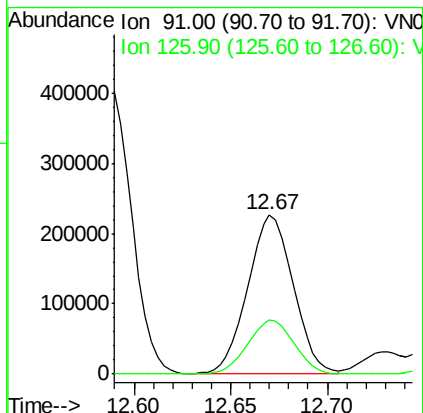
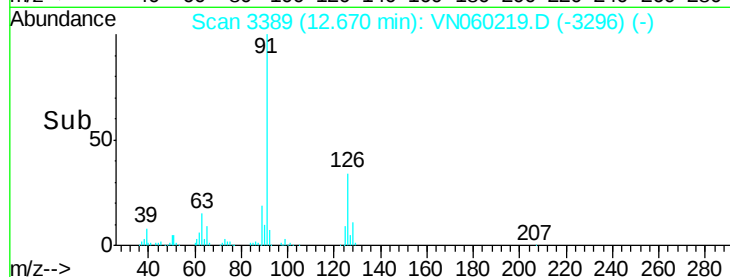
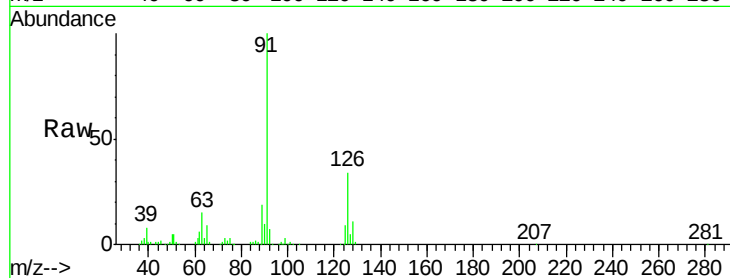
VSTDCCC050

Tgt Ion: 91 Resp: 369632

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 51.38 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060219.D

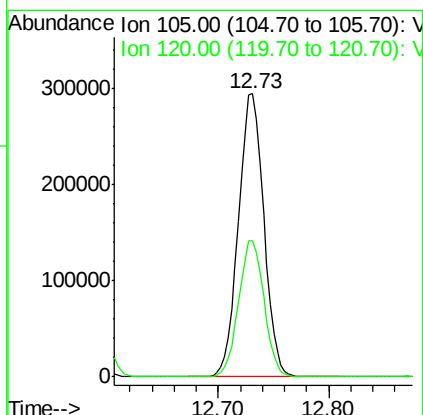
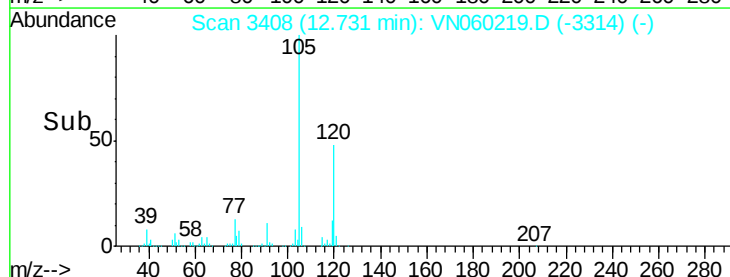
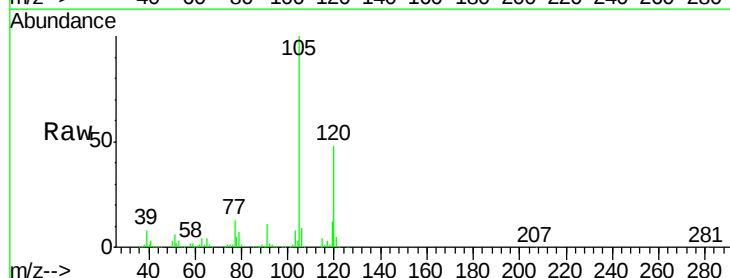
Acq: 25 Feb 2020 8:55

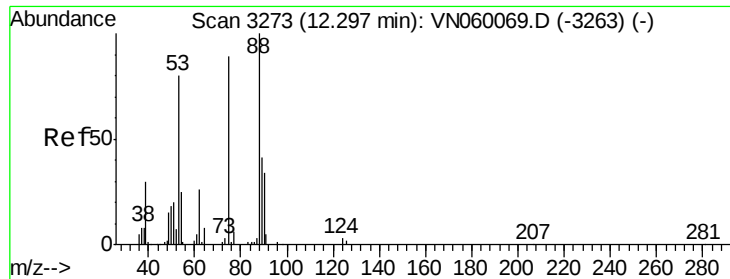
Tgt Ion: 105 Resp: 469244

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 51.43 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

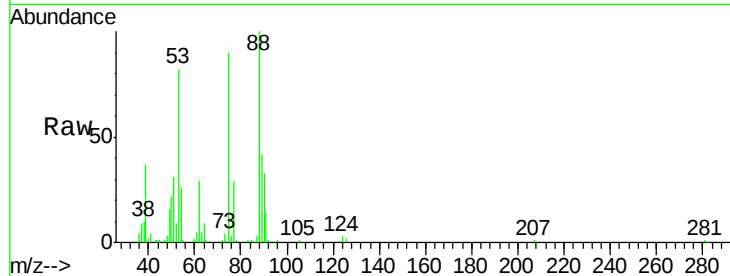
Tgt Ion: 75 Resp: 59105

Ion Ratio Lower Upper

75 100

53 92.7 73.9 110.9

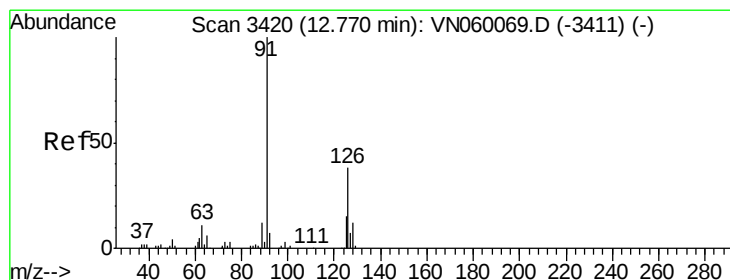
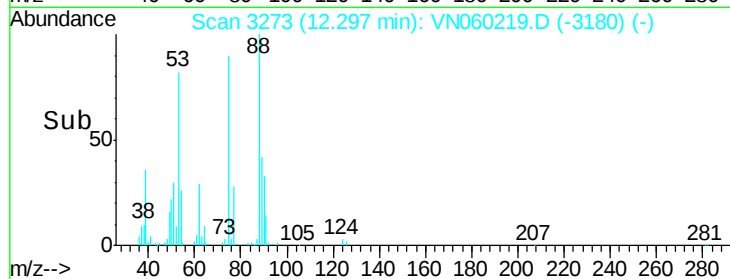
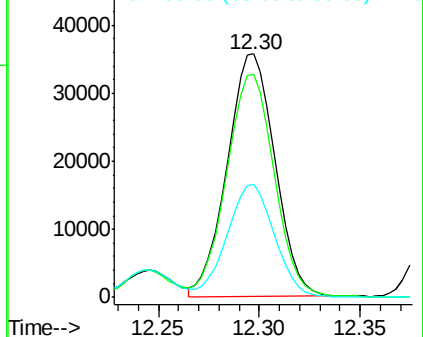
89 46.5 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN060219.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060219.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060219.D (-3180) (-)



#82

4-Chlorotoluene

Concen: 51.54 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060219.D

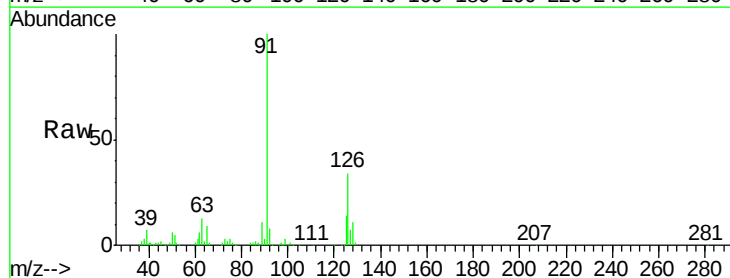
Acq: 25 Feb 2020 8:55

Tgt Ion: 91 Resp: 388932

Ion Ratio Lower Upper

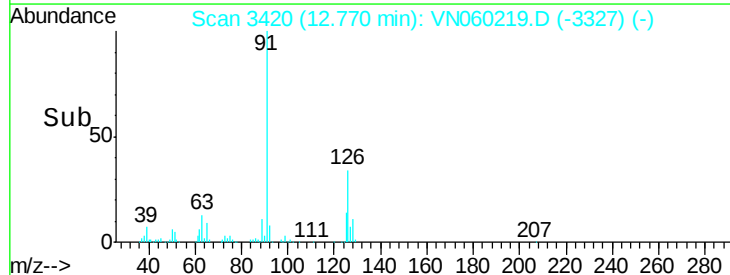
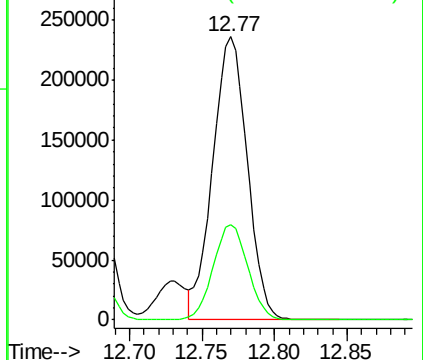
91 100

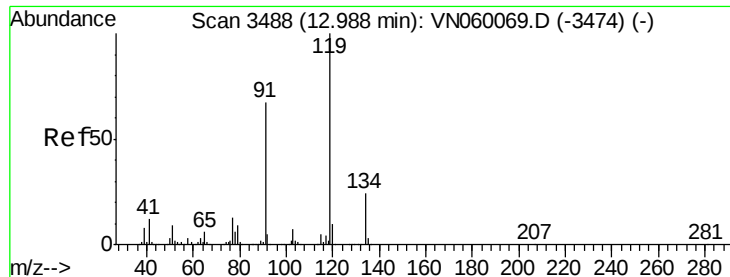
126 33.8 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN060219.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN060219.D (-3327) (-)

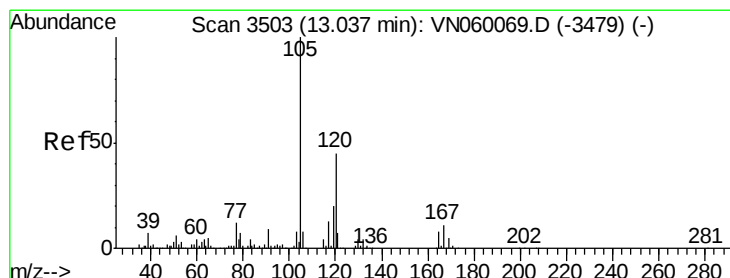
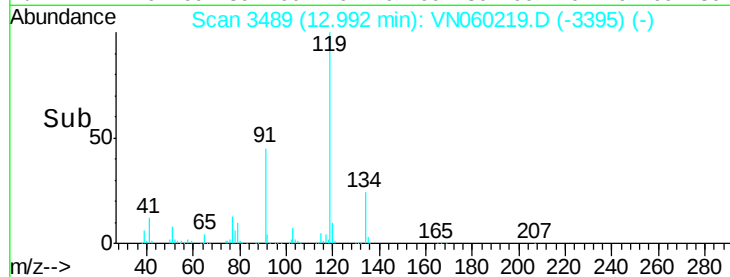
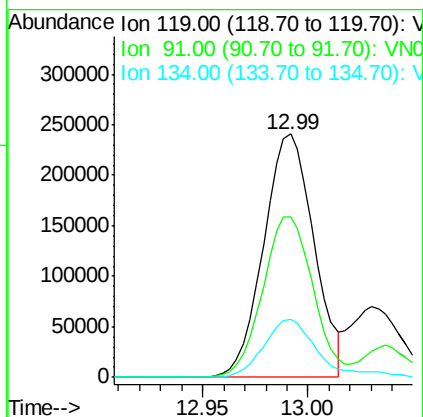
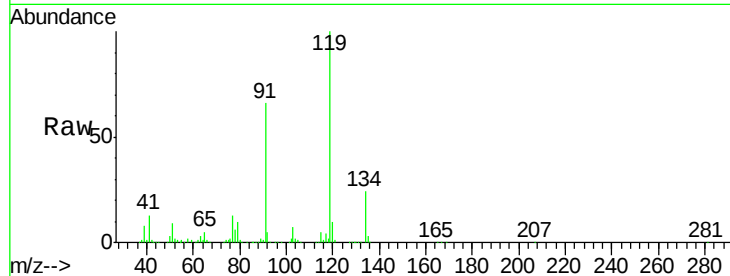




#83
 tert-Butylbenzene
 Concen: 49.46 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

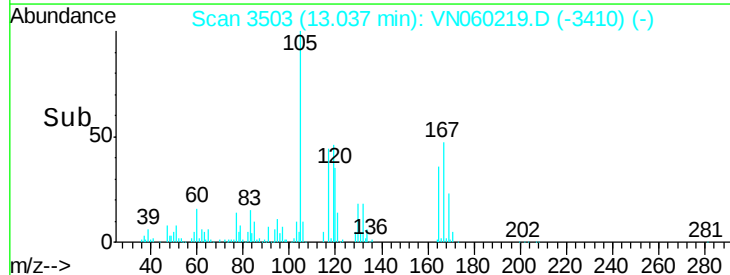
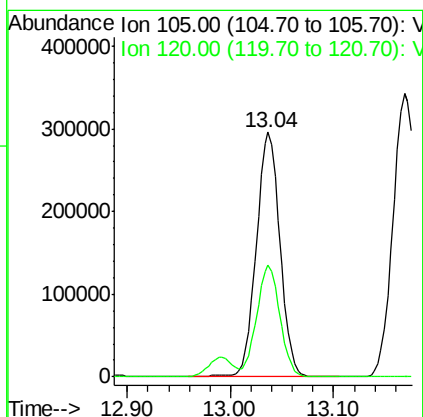
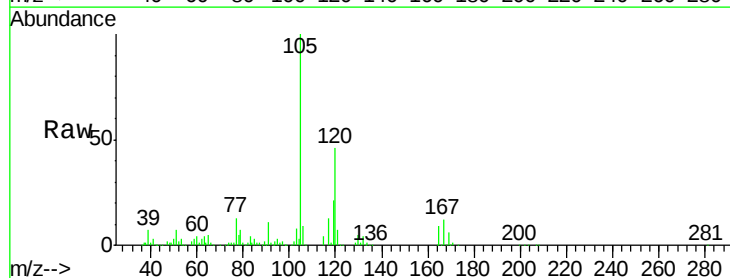
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

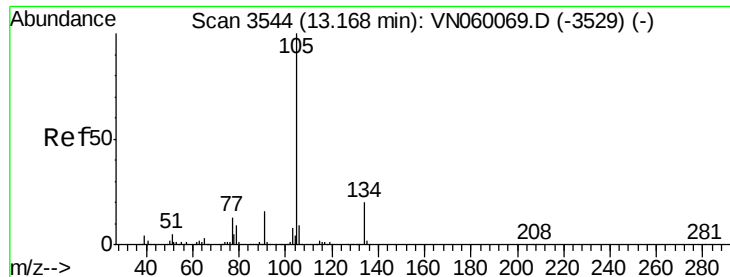
Tgt Ion:119 Resp: 399598
 Ion Ratio Lower Upper
 119 100
 91 65.8 32.7 98.1
 134 25.7 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.97 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion:105 Resp: 468487
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.4 67.3

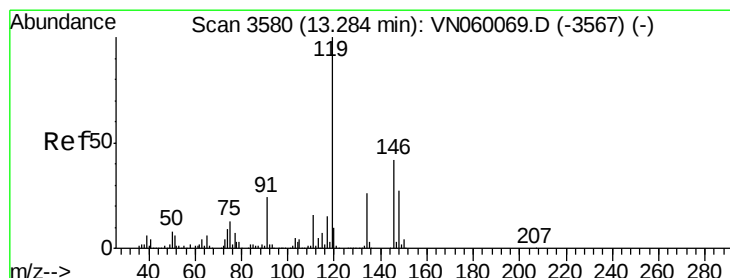
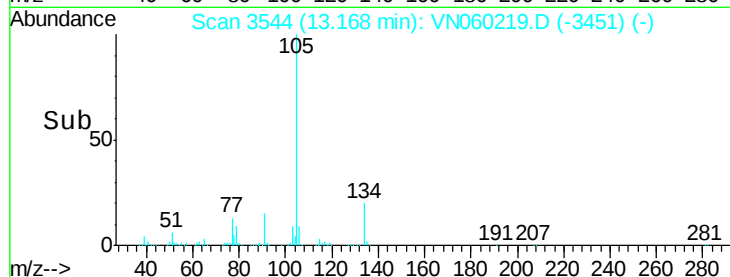
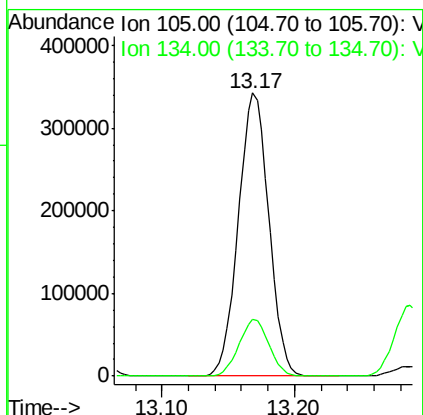
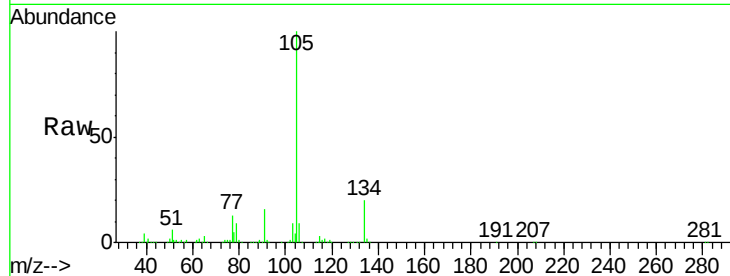




#85
 sec-Butylbenzene
 Concen: 51.00 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

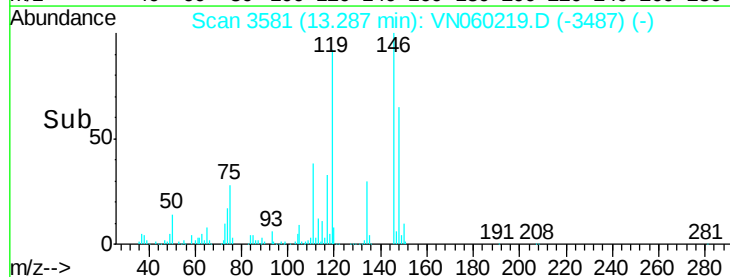
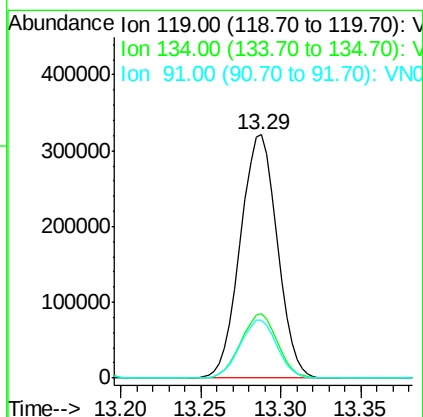
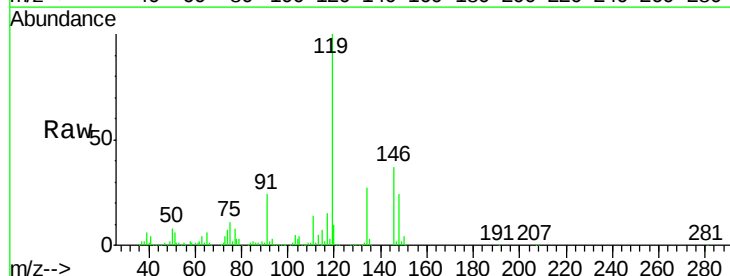
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 545641
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 52.05 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion:119 Resp: 504550
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 23.9 11.9 35.9

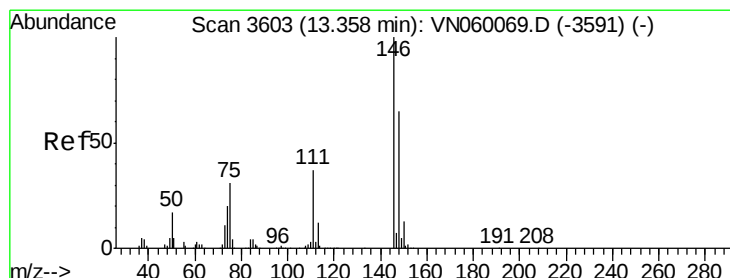
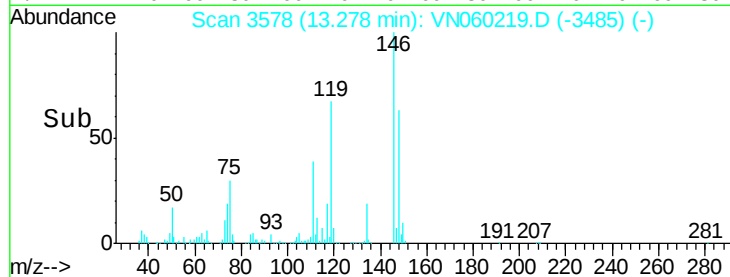
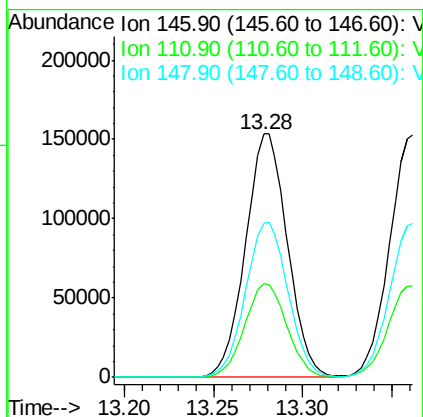
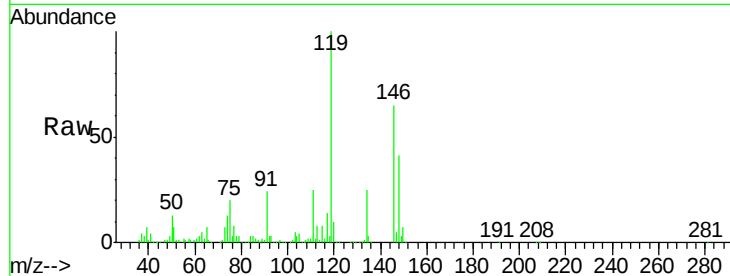




#87
 1,3-Dichlorobenzene
 Concen: 52.47 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

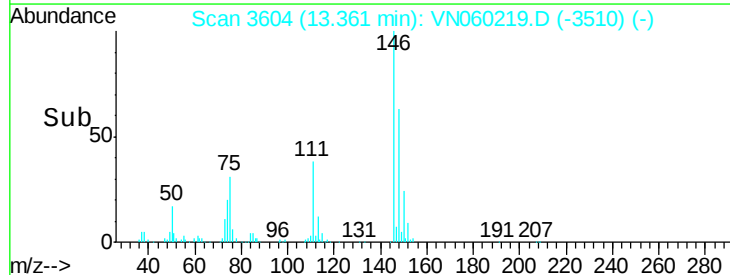
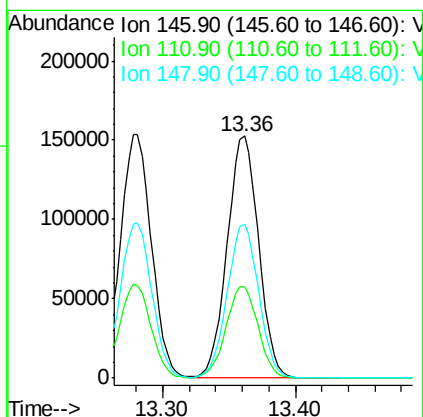
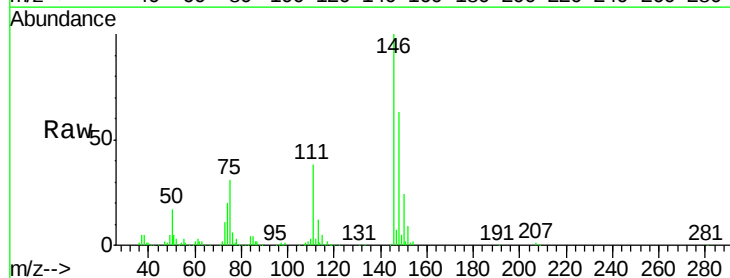
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

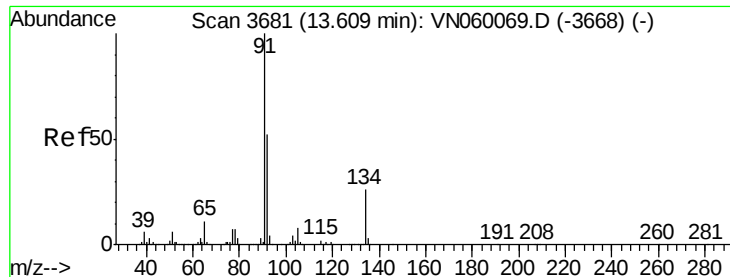
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.3
148	64.2	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 52.13 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.5
148	63.7	32.0	96.0





#89

n-Butylbenzene

Concen: 53.33 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

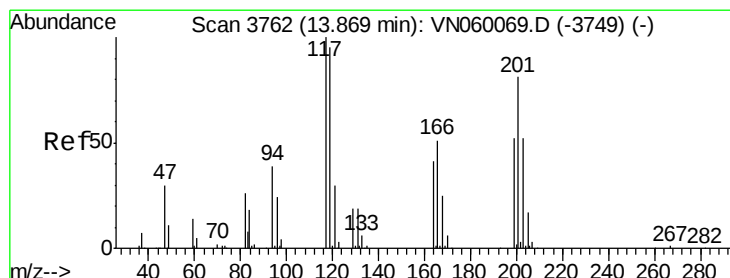
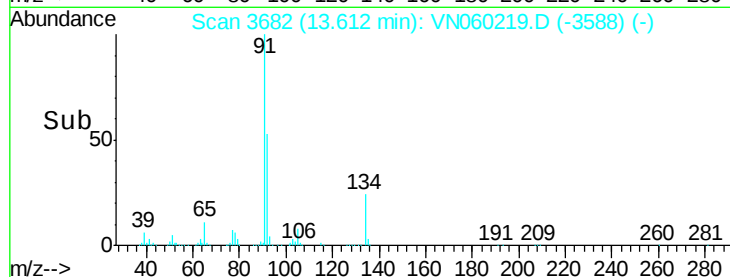
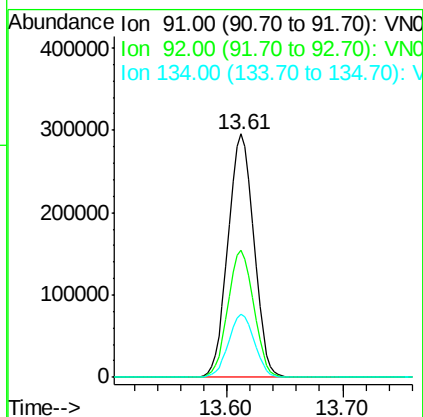
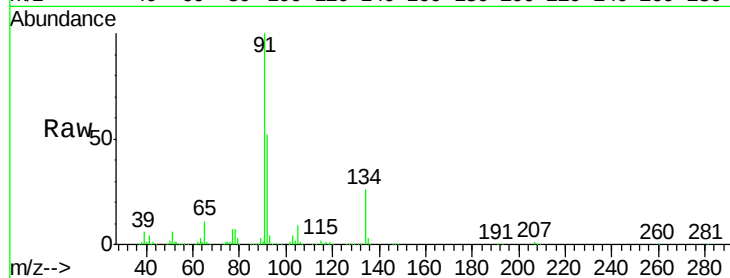
Tgt Ion: 91 Resp: 454740

Ion Ratio Lower Upper

91 100

92 52.1 26.1 78.2

134 25.9 13.1 39.3



#90

Hexachloroethane

Concen: 51.24 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060219.D

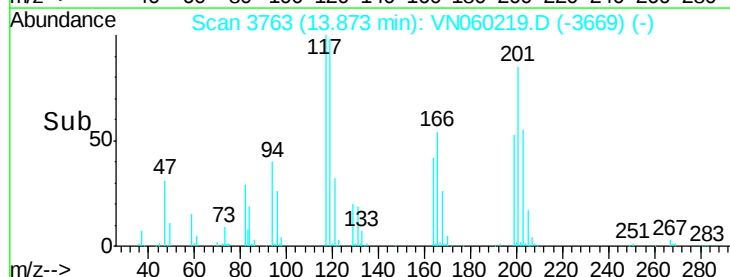
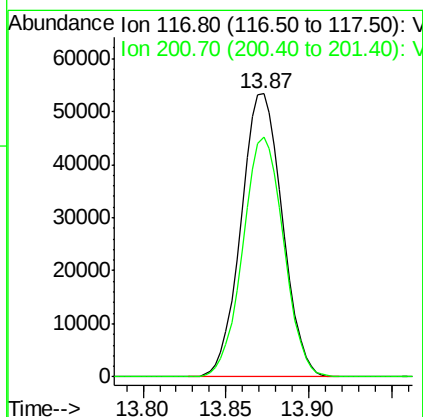
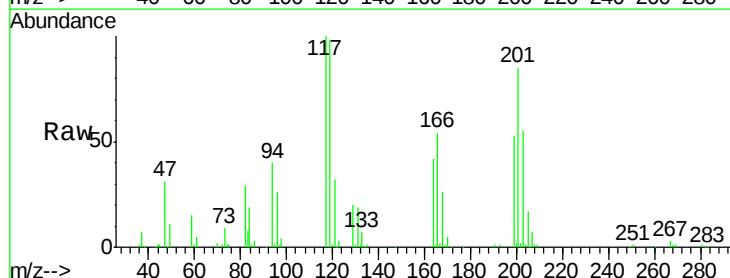
Acq: 25 Feb 2020 8:55

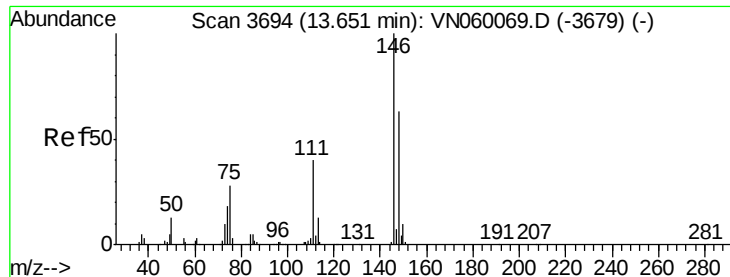
Tgt Ion: 117 Resp: 92788

Ion Ratio Lower Upper

117 100

201 83.6 41.7 125.1

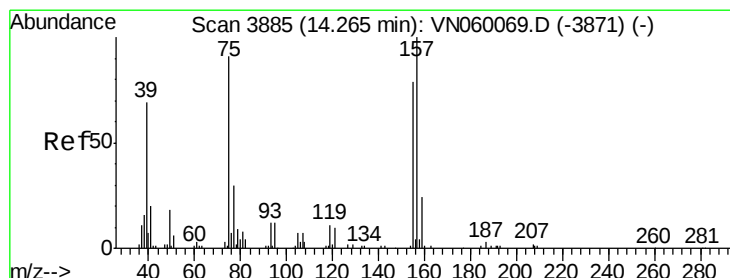
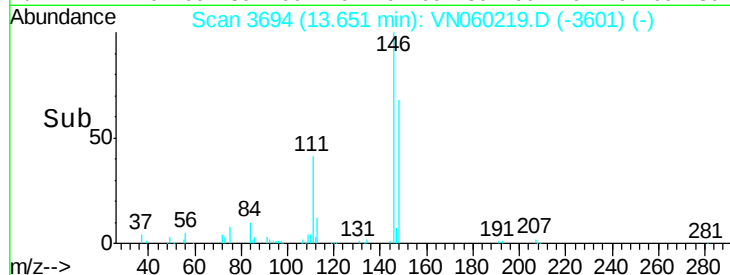
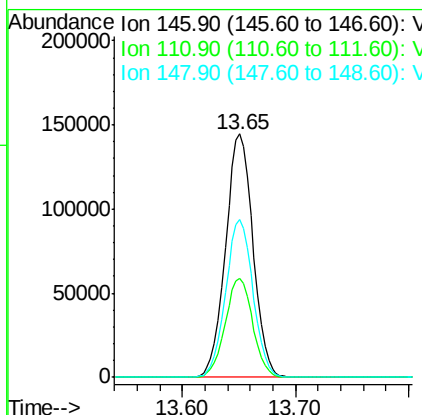
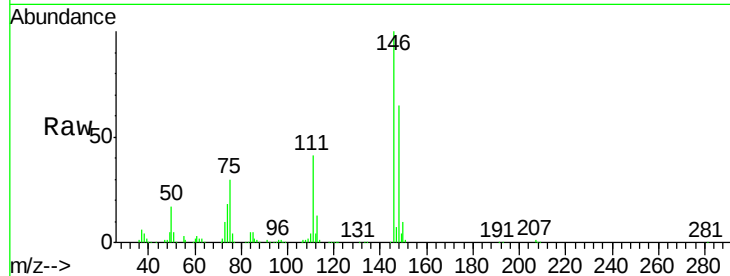




#91
 1,2-Dichlorobenzene
 Concen: 51.58 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

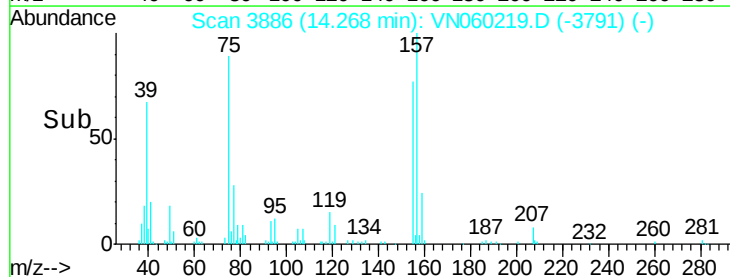
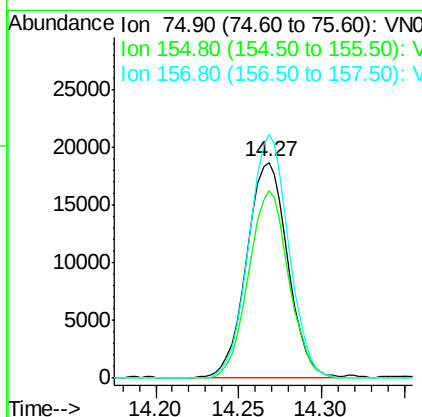
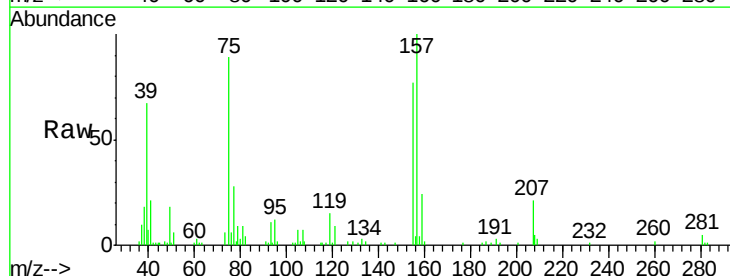
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	64.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.27 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	43.0	129.0
157	108.7	54.9	164.5

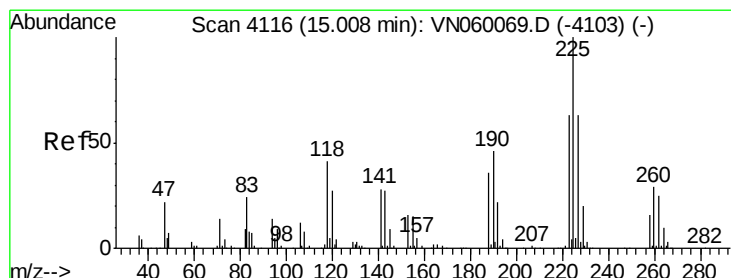
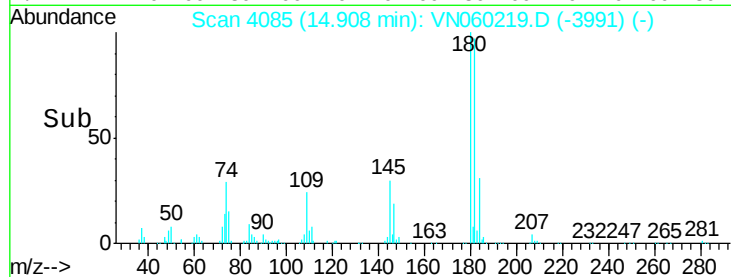
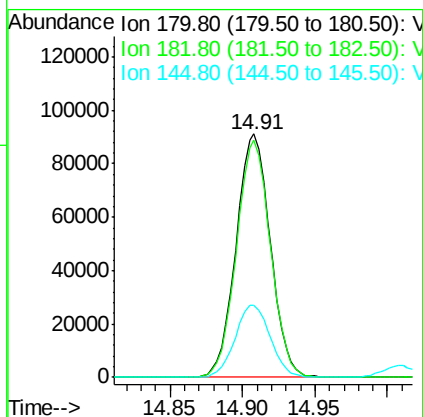
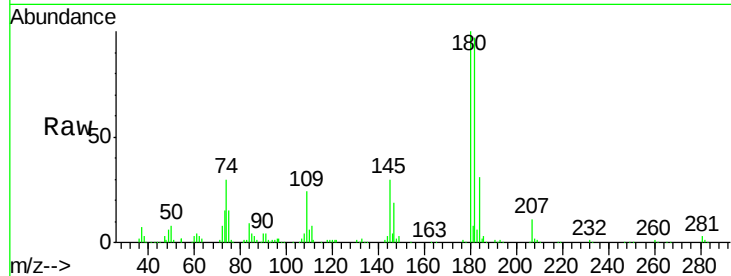




#93
 1,2,4-Trichlorobenzene
 Concen: 53.91 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

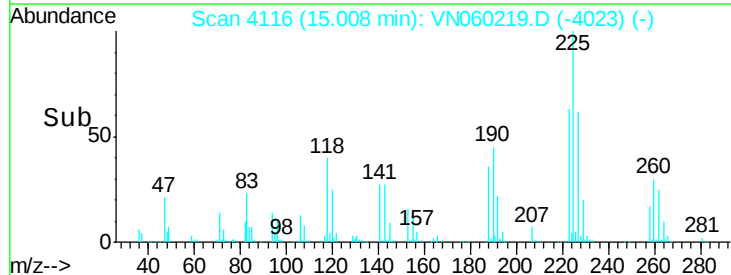
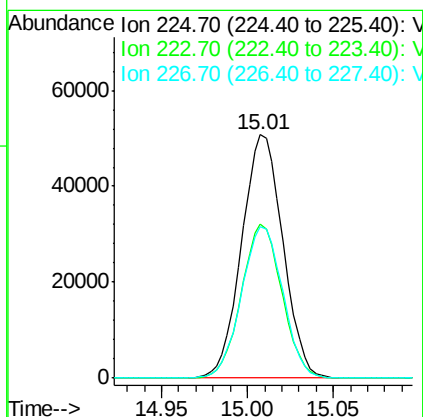
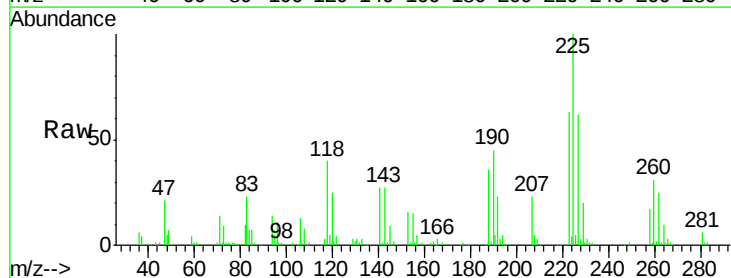
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

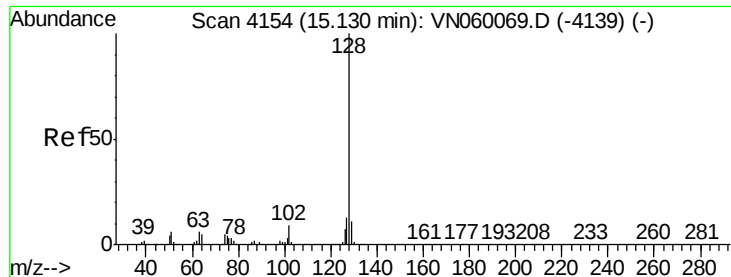
Tgt Ion:180 Resp: 149576
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.9 143.8
 145 30.3 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 51.84 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion:225 Resp: 84197
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.5 94.5
 227 62.6 31.8 95.4





#95

Naphthalene

Concen: 50.14 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

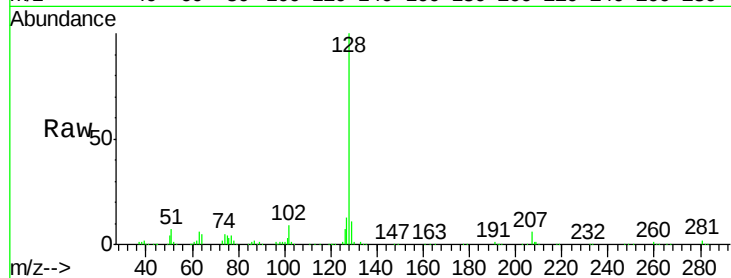
Tgt Ion:128 Resp: 375813

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

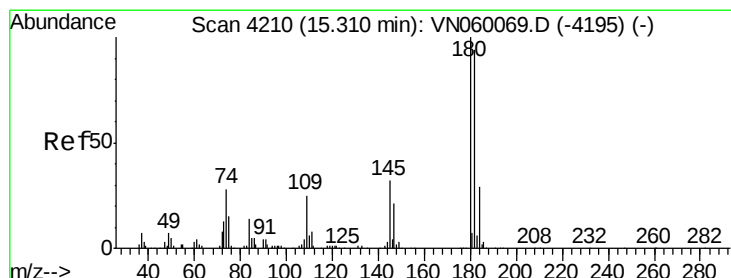
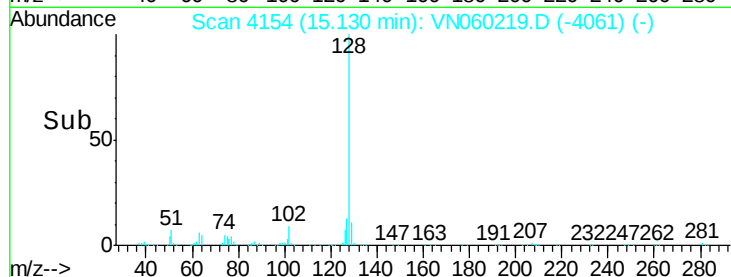
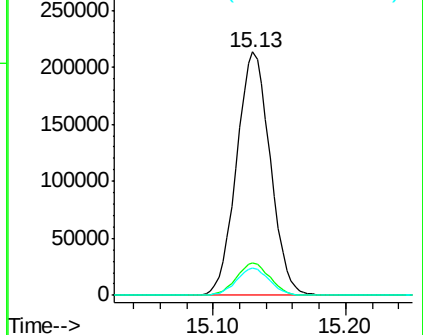
129 10.9 8.6 13.0



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: 51.41 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

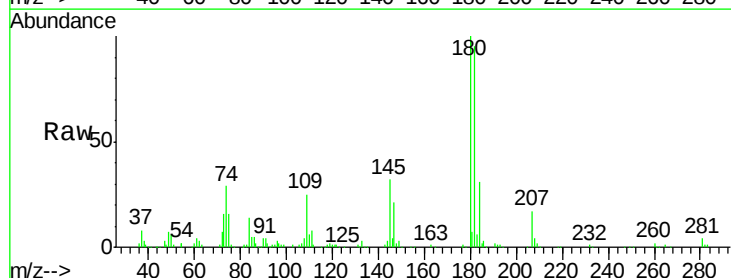
Tgt Ion:180 Resp: 142050

Ion Ratio Lower Upper

180 100

182 94.2 47.5 142.5

145 31.4 16.1 48.3



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

