

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060889.D
 Acq On : 7 Apr 2020 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 08 05:56:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143409	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	132407	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	7.57	113	101193	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.08	98	399205	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.40	95	148270	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79184	42.643	ug/l	98
3) Chloromethane	2.04	50	141393	40.770	ug/l	99
4) Vinyl Chloride	2.17	62	113296	41.767	ug/l	99
5) Bromomethane	2.54	94	57276	48.913	ug/l	98
6) Chloroethane	2.69	64	72875	46.637	ug/l	100
7) Trichlorofluoromethane	3.00	101	155390	46.503	ug/l	100
8) Diethyl Ether	3.38	74	64882	48.334	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	94437	48.774	ug/l	99
10) Methyl Iodide	3.93	142	72011	41.796	ug/l	100
11) Tert butyl alcohol	4.72	59	83826	216.352	ug/l	99
12) 1,1-Dichloroethene	3.72	96	93109	44.811	ug/l	98
13) Acrolein	3.57	56	87955	204.827	ug/l	99
14) Allyl chloride	4.29	41	173303	47.423	ug/l	97
15) Acrylonitrile	4.94	53	278414	244.365	ug/l	99
16) Acetone	3.78	43	213934	229.249	ug/l	99
17) Carbon Disulfide	4.03	76	261380	41.363	ug/l	100
18) Methyl Acetate	4.29	43	136367	51.916	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	338279	47.353	ug/l	98
20) Methylene Chloride	4.52	84	108003	47.048	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	101157	45.680	ug/l	94
22) Diisopropyl ether	5.91	45	387137	50.143	ug/l	98
23) Vinyl Acetate	5.86	43	1565563	248.527	ug/l	99
24) 1,1-Dichloroethane	5.81	63	204615	48.615	ug/l	100
25) 2-Butanone	6.80	43	357753	236.912	ug/l	98
26) 2,2-Dichloropropane	6.80	77	159176	48.068	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	120237	47.780	ug/l	99
28) Bromochloromethane	7.17	49	102515	50.908	ug/l	99
29) Tetrahydrofuran	7.18	42	247196	231.363	ug/l	98
30) Chloroform	7.35	83	194398	48.179	ug/l	99
31) Cyclohexane	7.63	56	187770	44.252	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	167498	48.154	ug/l	99
36) 1,1-Dichloropropene	7.77	75	147930	47.861	ug/l	100
37) Ethyl Acetate	6.89	43	156367	46.820	ug/l	99
38) Carbon Tetrachloride	7.75	117	134462	48.539	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	175850	47.875	ug/l	98
40) Benzene	8.02	78	447844	47.998	ug/l	99
41) Methacrylonitrile	7.17	41	222283	155.955	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	156536	49.090	ug/l	99
43) Isopropyl Acetate	8.14	43	266417	48.370	ug/l	99
44) Trichloroethene	8.82	130	112158	47.684	ug/l	100
45) 1,2-Dichloropropane	9.10	63	124062	50.390	ug/l	99
46) Dibromomethane	9.19	93	74076	49.767	ug/l	99
47) Bromodichloromethane	9.39	83	155701	50.340	ug/l	98
48) Methyl methacrylate	9.18	41	118068	48.147	ug/l	99
49) 1,4-Dioxane	9.18	88	28378	973.584	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	773351	246.744	ug/l	99
52) Toluene	10.14	92	272818	48.415	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	176523	49.685	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	190469	48.867	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	107412	49.547	ug/l	99
56) Ethyl methacrylate	10.42	69	170933	50.569	ug/l	99
57) 1,3-Dichloropropane	10.70	76	187062	49.725	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	389408	231.790	ug/l	99
59) 2-Hexanone	10.74	43	547312	242.415	ug/l	100
60) Dibromochloromethane	10.89	129	114090	50.949	ug/l	100
61) 1,2-Dibromoethane	10.99	107	107500	49.314	ug/l	99
64) Tetrachloroethene	10.62	164	104633	45.107	ug/l	100
65) Chlorobenzene	11.43	112	281230	48.125	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	104474	49.378	ug/l	99
67) Ethyl Benzene	11.50	91	529765	48.749	ug/l	100
68) m/p-Xylenes	11.62	106	389118	96.356	ug/l	99
69) o-Xylene	11.94	106	188113	48.796	ug/l	100
70) Styrene	11.96	104	310466	49.242	ug/l	99
71) Bromoform	12.12	173	81729	46.595	ug/l #	100
73) Isopropylbenzene	12.24	105	504695	46.895	ug/l	100
74) N-amyl acetate	12.06	43	229208	46.089	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	156026	47.940	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	208132	67.259	ug/l #	100
77) Bromobenzene	12.52	156	121823	46.975	ug/l	98
78) n-propylbenzene	12.59	91	603472	47.462	ug/l	99
79) 2-Chlorotoluene	12.67	91	352117	46.348	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	428136	46.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54587	45.305	ug/l	99
82) 4-Chlorotoluene	12.77	91	366100	47.314	ug/l	99
83) tert-Butylbenzene	12.99	119	358703	47.378	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	427216	47.282	ug/l	100
85) sec-Butylbenzene	13.17	105	499607	49.073	ug/l	99
86) p-Isopropyltoluene	13.28	119	442960	48.385	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	218440	47.758	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	218231	47.490	ug/l	100
89) n-Butylbenzene	13.61	91	412626	49.921	ug/l	100
90) Hexachloroethane	13.87	117	70753	53.168	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	212224	48.525	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30646	44.929	ug/l	96

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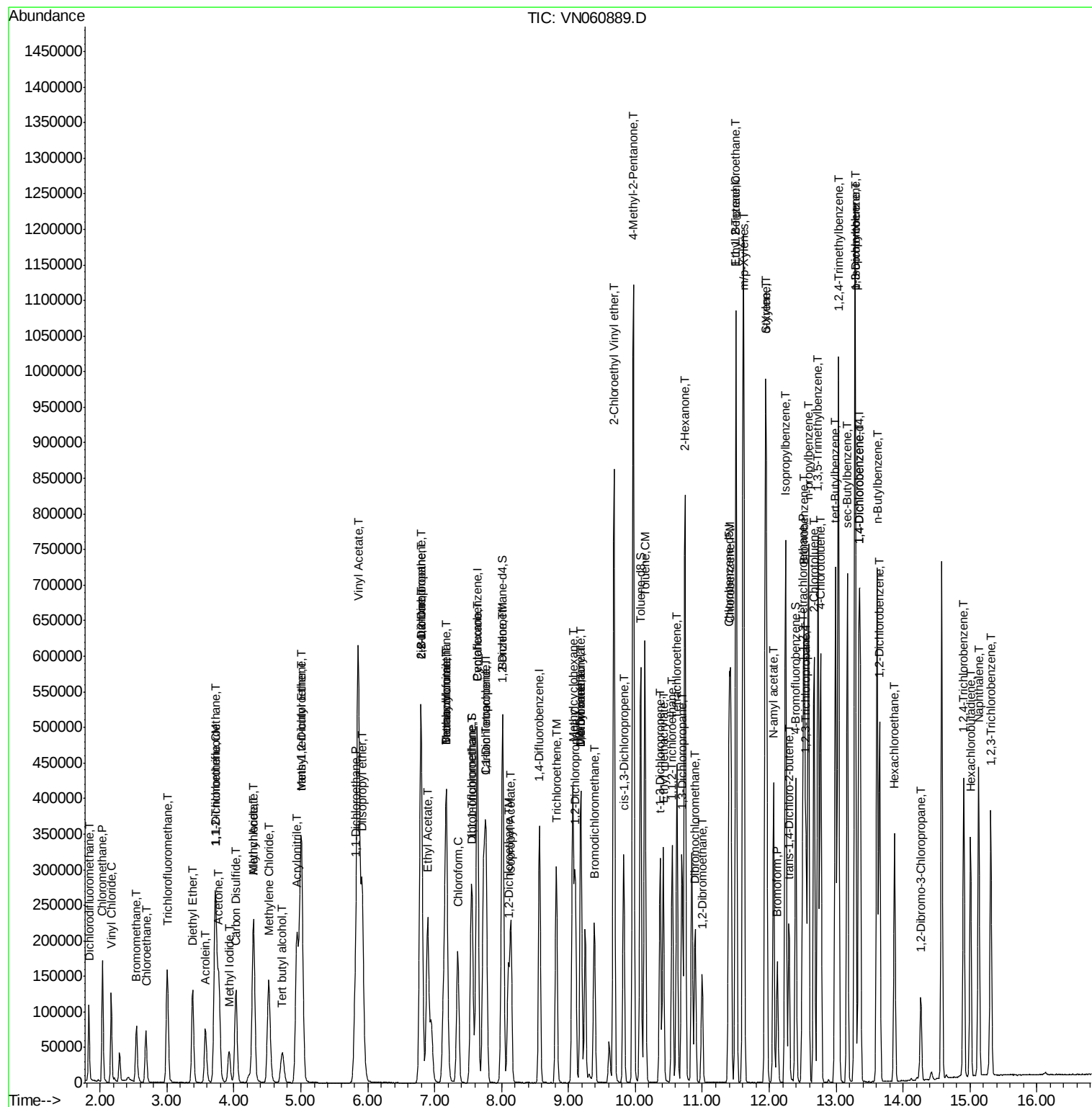
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	133500	49.707	ug/l	100
94) Hexachlorobutadiene	15.01	225	66274	50.337	ug/l	99
95) Naphthalene	15.13	128	366283	45.342	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125985	47.624	ug/l	100

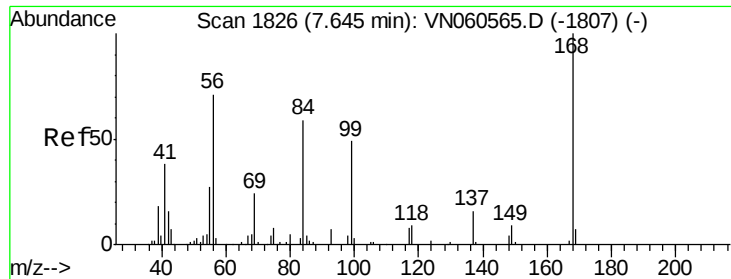
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

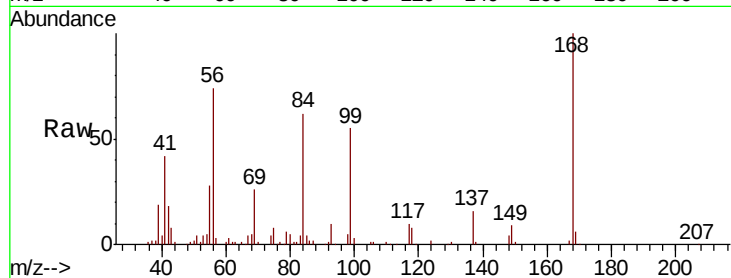
VSTDCCC050EC

Tot Ion:168 Resp: 191911

Ion Ratio Lower Upper

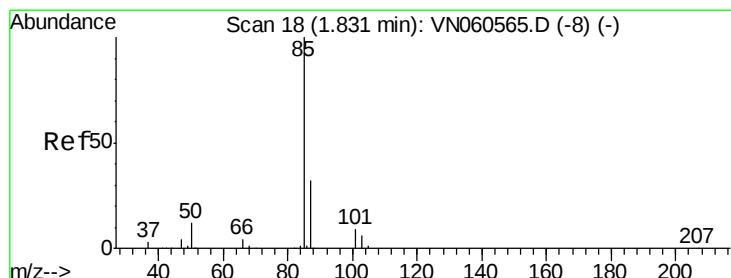
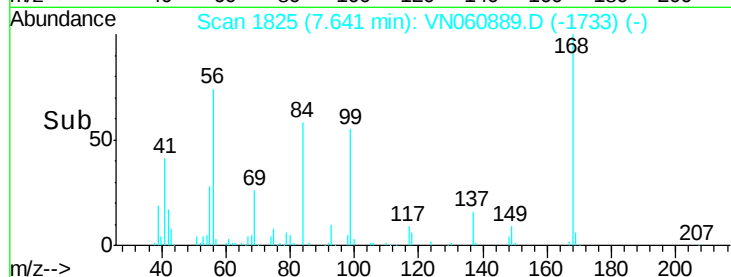
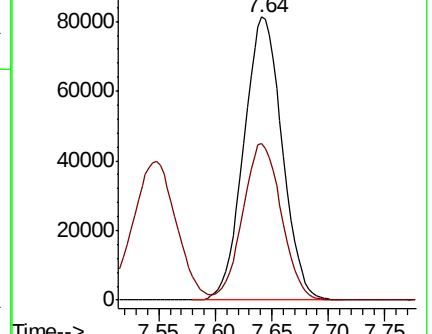
168 100

99 55.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.643 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060889.D

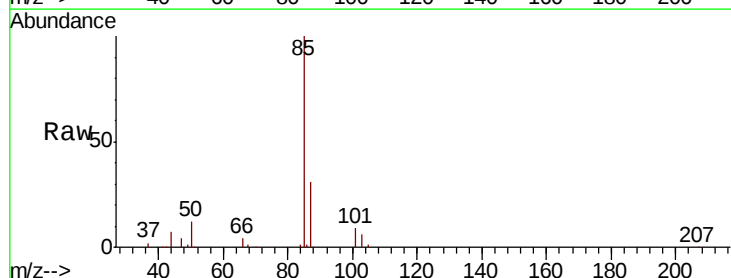
Acq: 7 Apr 2020 19:50

Tgt Ion: 85 Resp: 79184

Ion Ratio Lower Upper

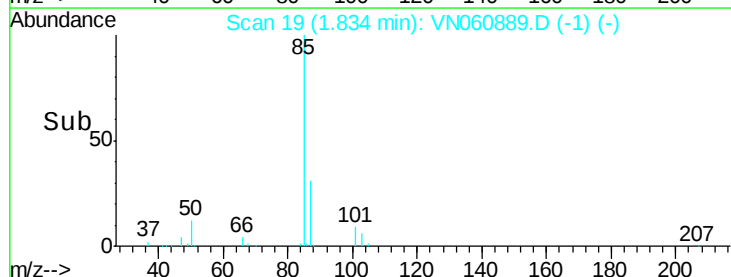
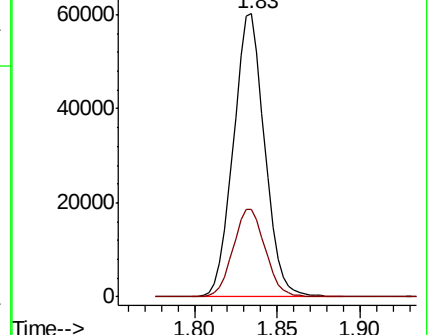
85 100

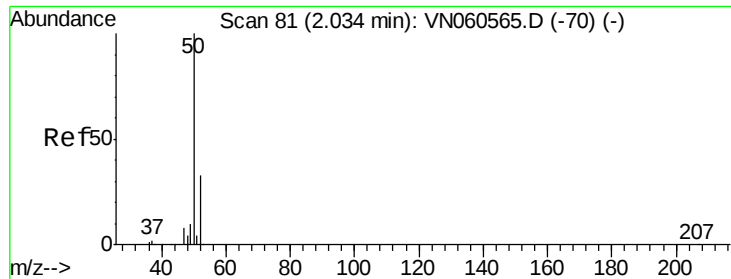
87 30.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 40.770 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

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ClientSampleId :

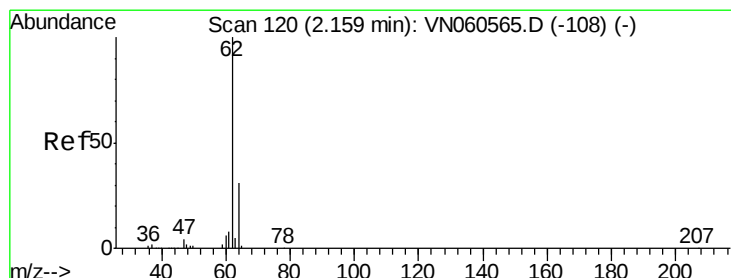
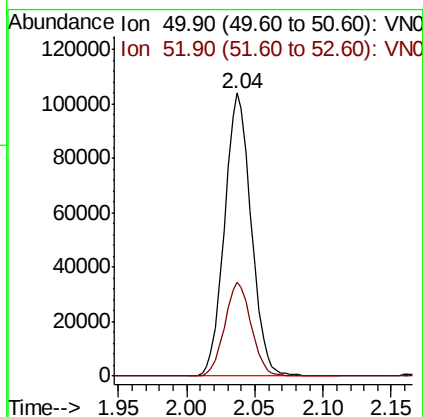
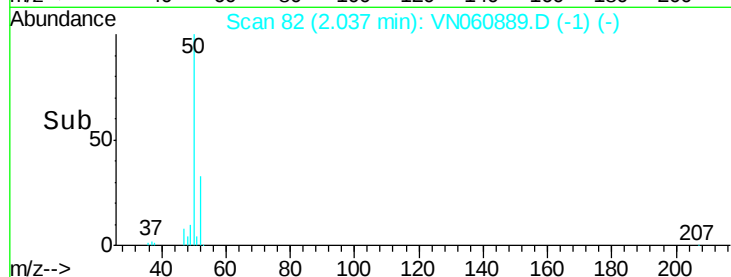
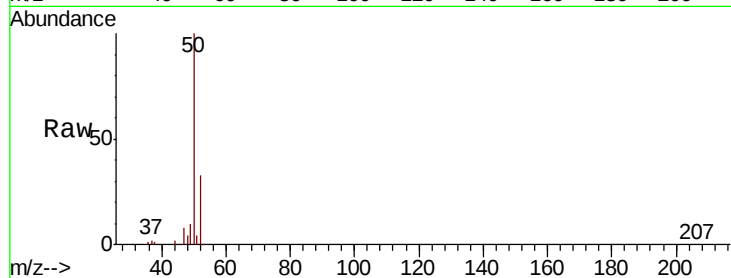
VSTDCCC050EC

Tot Ion: 50 Resp: 141393

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.2



#4

Vinyl Chloride

Concen: 41.767 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060889.D

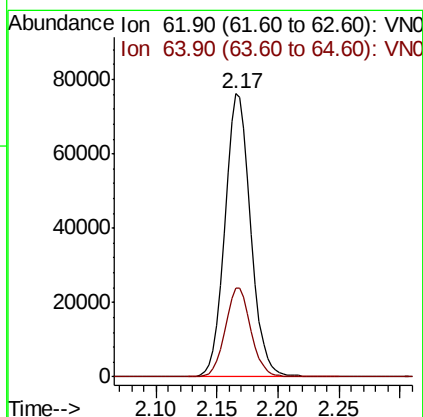
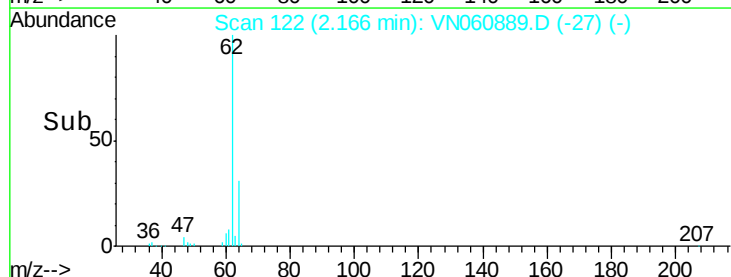
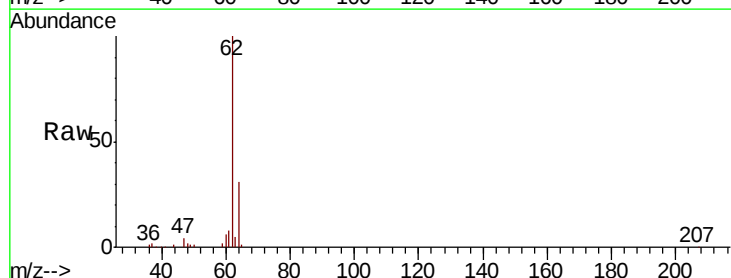
Acq: 7 Apr 2020 19:50

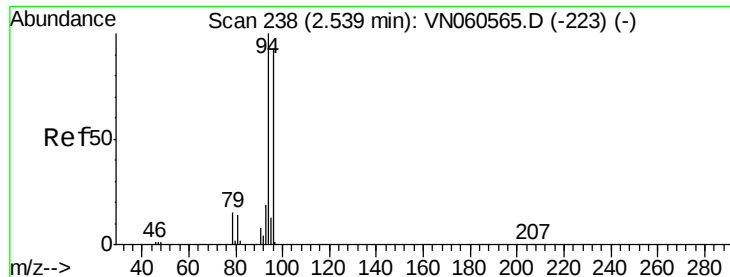
Tgt Ion: 62 Resp: 113296

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 48.913 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

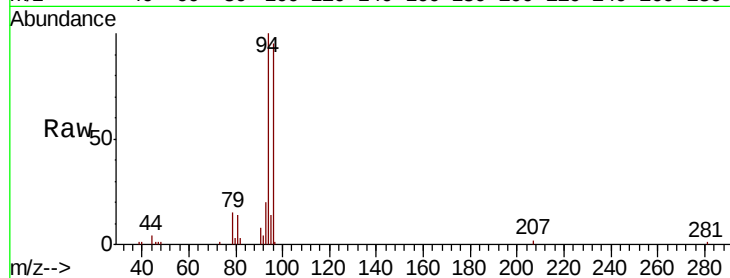
VSTDCCC050EC

Tot Ion: 94 Resp: 57276

Ion Ratio Lower Upper

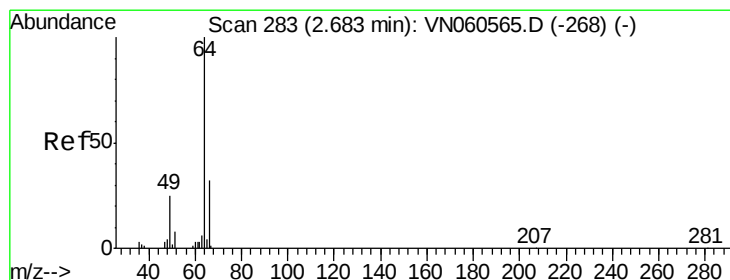
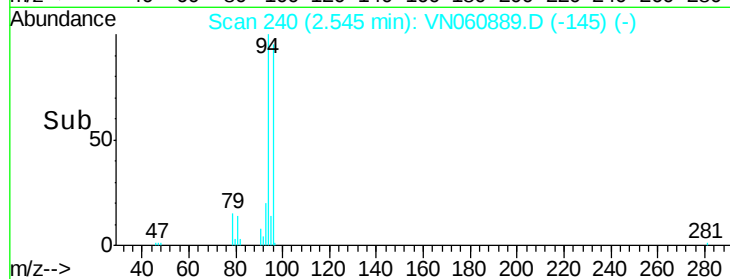
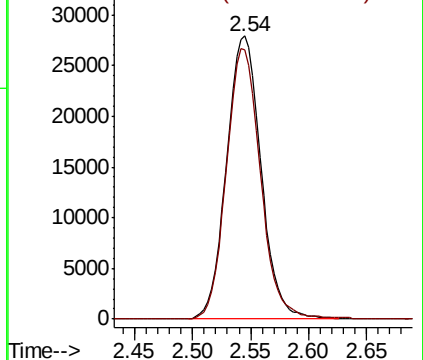
94 100

96 95.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.637 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060889.D

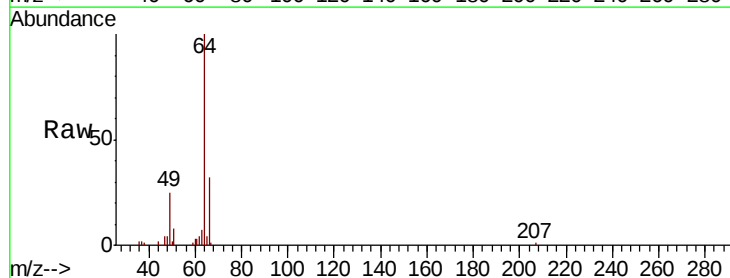
Acq: 7 Apr 2020 19:50

Tgt Ion: 64 Resp: 72875

Ion Ratio Lower Upper

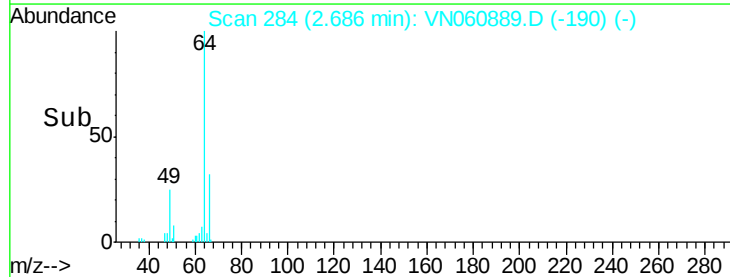
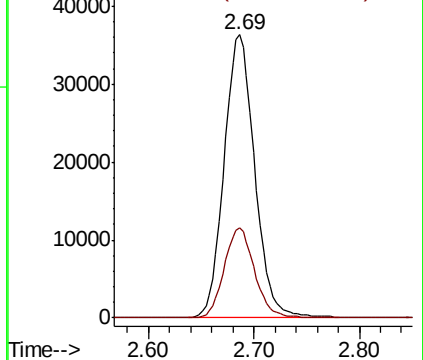
64 100

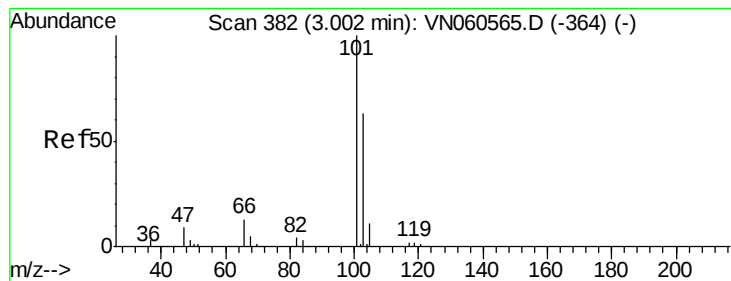
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



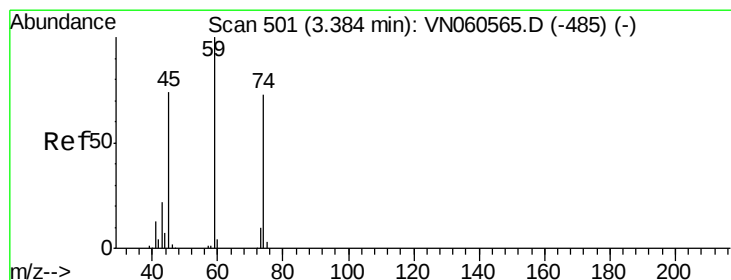
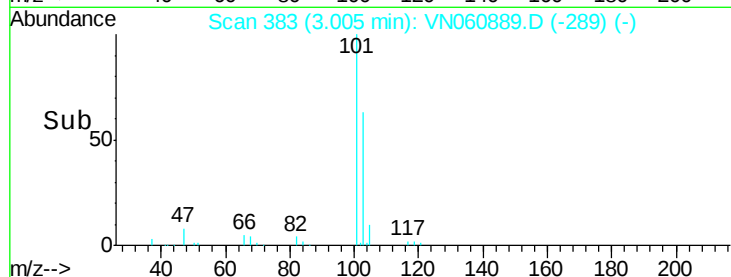
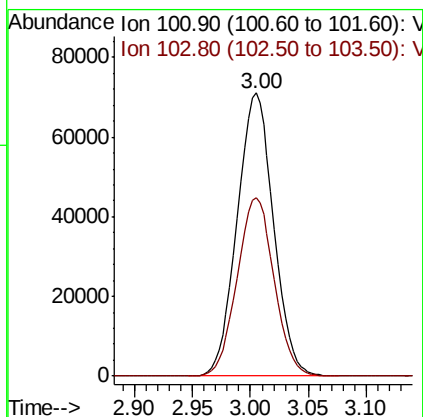
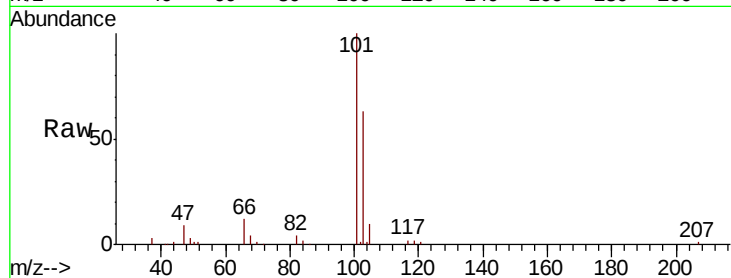


#7

Trichlorofluoromethane
 Concen: 46.503 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

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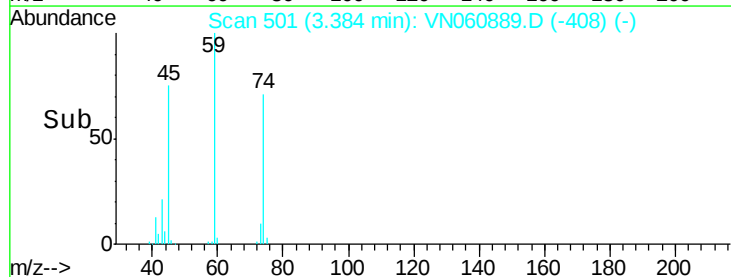
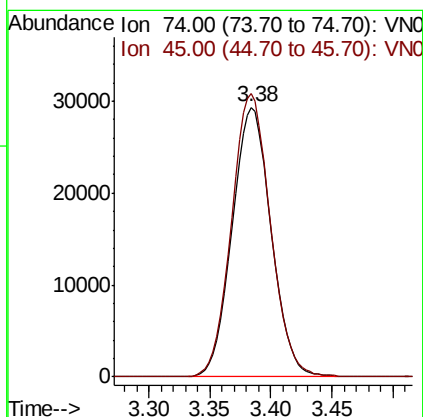
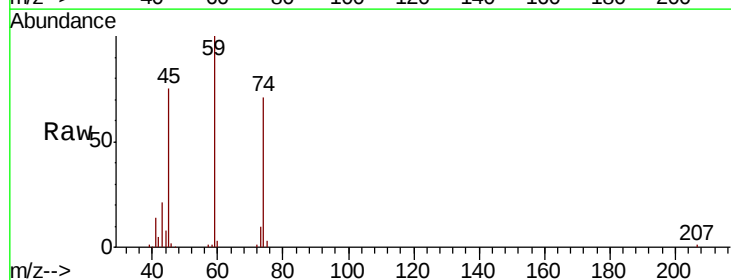
Tot Ion:101 Resp: 155390
 Ion Ratio Lower Upper
 101 100
 103 63.1 50.6 76.0



#8

Diethyl Ether
 Concen: 48.334 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Tgt Ion: 74 Resp: 64882
 Ion Ratio Lower Upper
 74 100
 45 105.2 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.774 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

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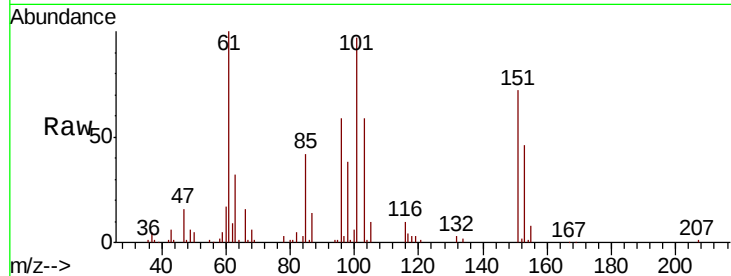
Tot Ion:101 Resp: 94437

Ion Ratio Lower Upper

101 100

85 43.4 35.6 53.4

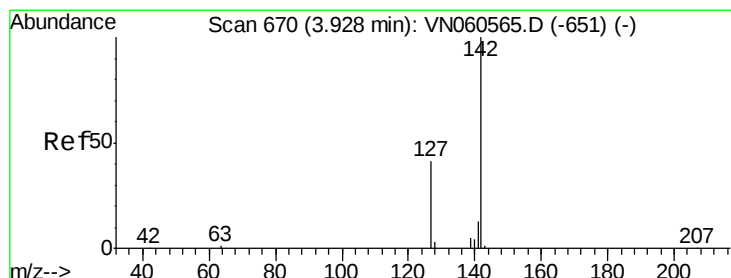
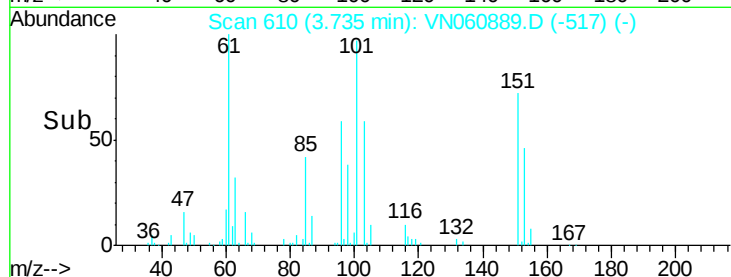
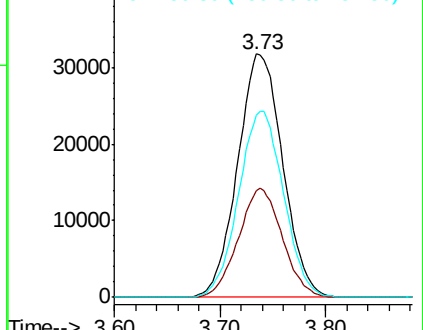
151 76.1 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.796 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

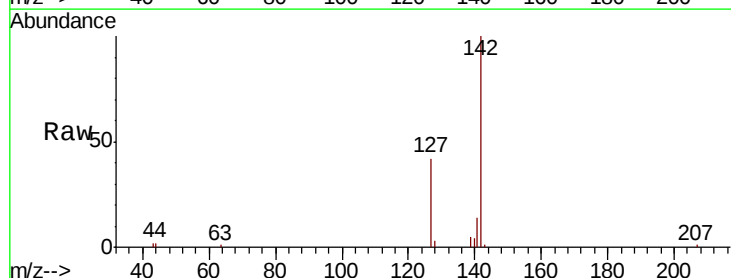
Tgt Ion:142 Resp: 72011

Ion Ratio Lower Upper

142 100

127 41.6 33.5 50.3

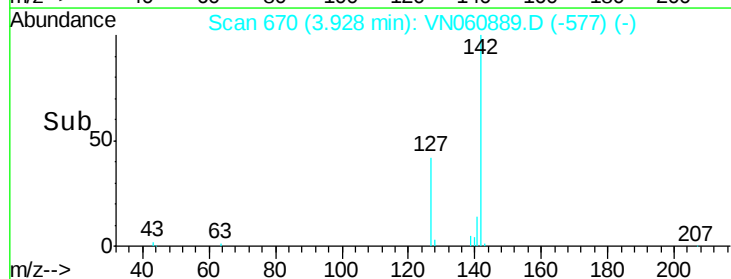
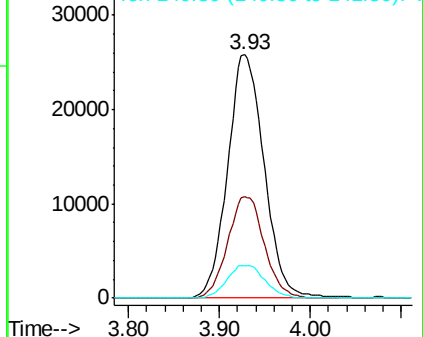
141 13.9 11.0 16.6

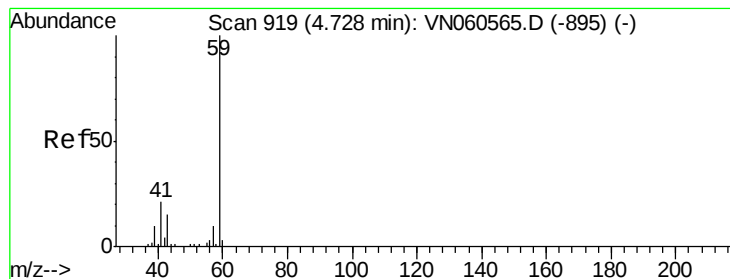


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



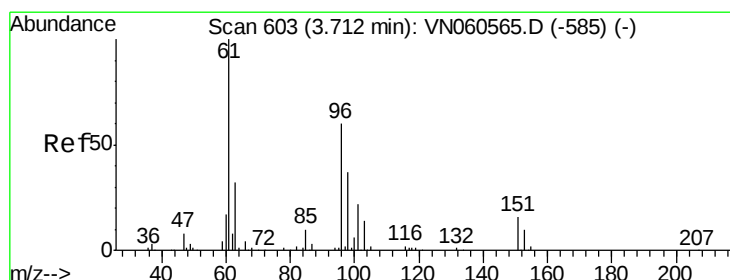
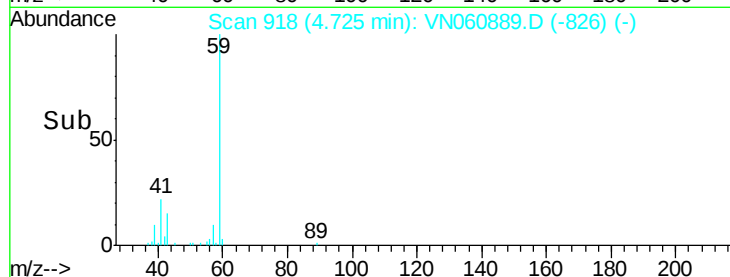
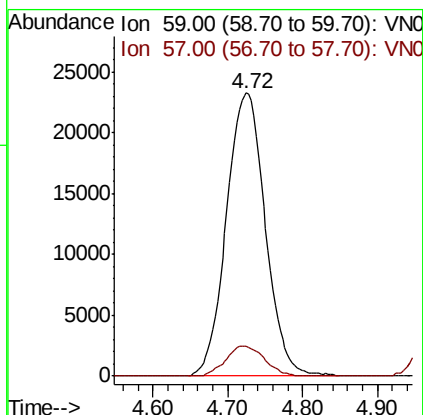
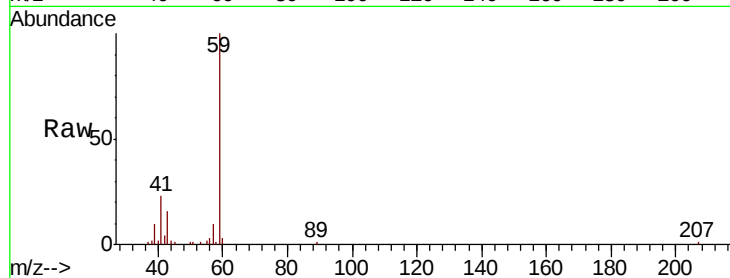


#11

Tert butyl alcohol
 Concen: 216.352 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

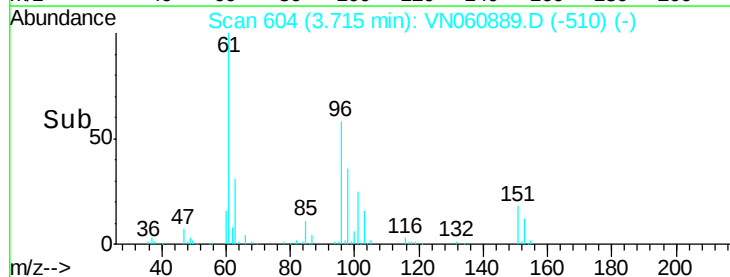
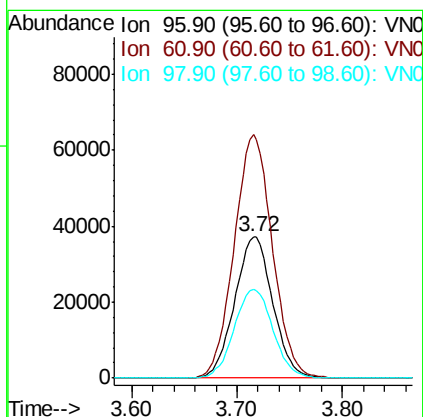
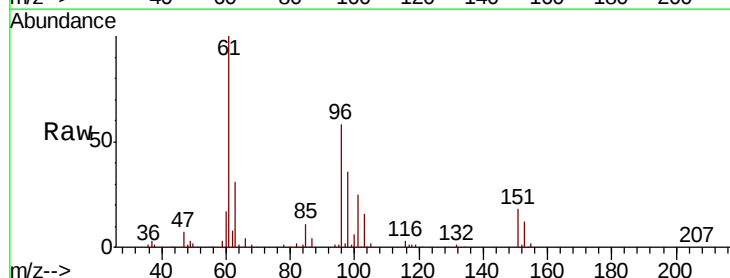
Tot Ion: 59 Resp: 83826
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.4

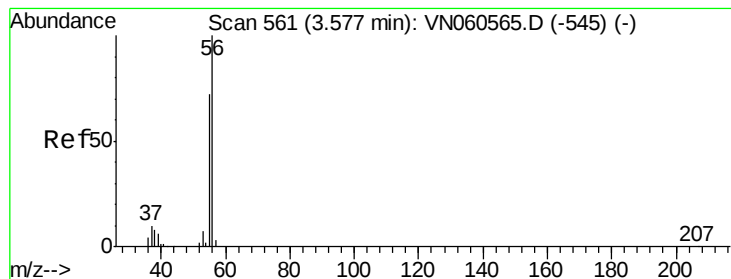


#12

1,1-Dichloroethene
 Concen: 44.811 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Tgt Ion: 96 Resp: 93109
 Ion Ratio Lower Upper
 96 100
 61 171.8 134.1 201.1
 98 62.6 49.9 74.9





#13

Acrolein

Concen: 204.827 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

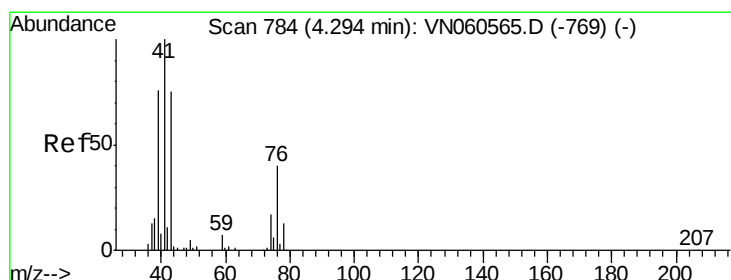
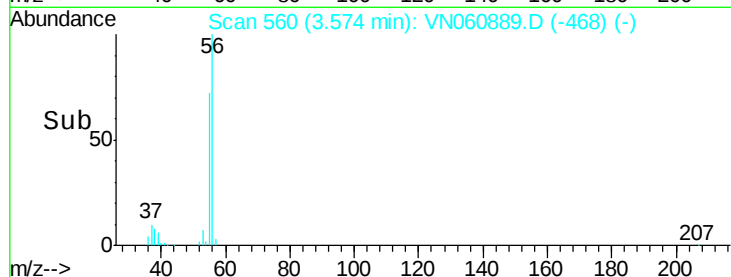
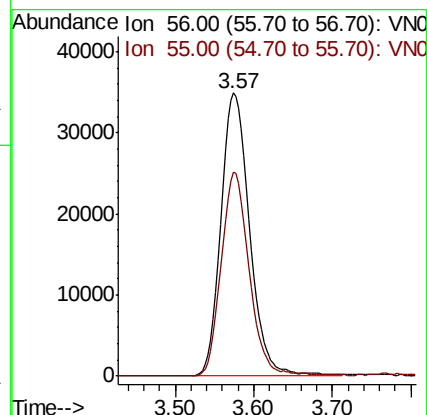
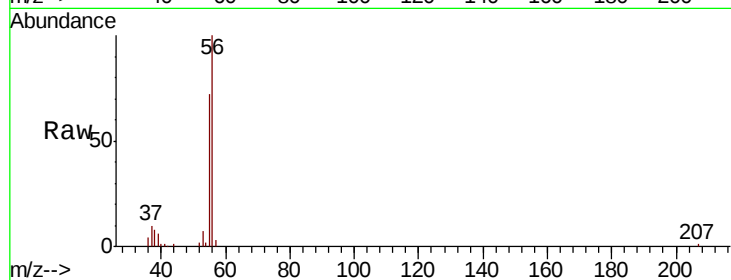
VSTDCCC050EC

Tot Ion: 56 Resp: 87955

Ion Ratio Lower Upper

56 100

55 69.7 56.7 85.1



#14

Allyl chloride

Concen: 47.423 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

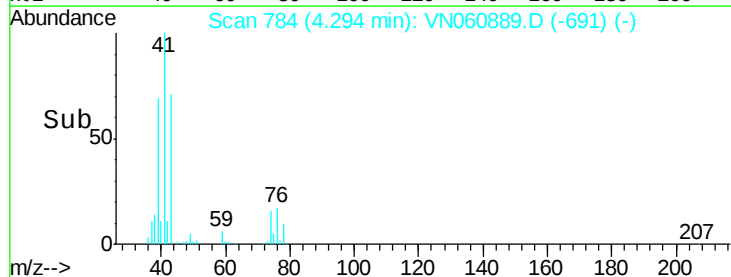
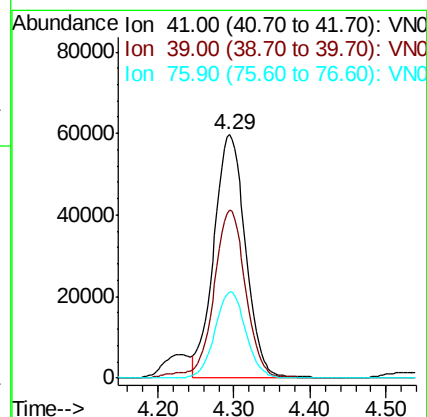
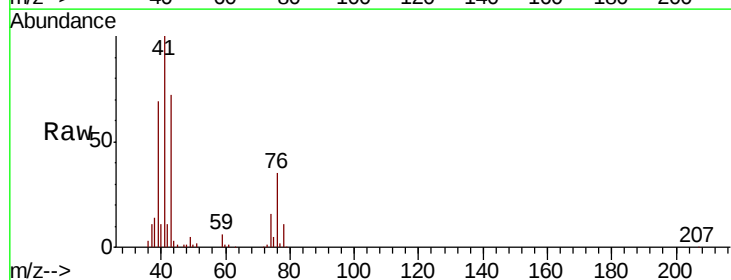
Tgt Ion: 41 Resp: 173303

Ion Ratio Lower Upper

41 100

39 69.7 57.8 86.8

76 34.4 28.6 43.0





#15

Acrylonitrile

Concen: 244.365 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

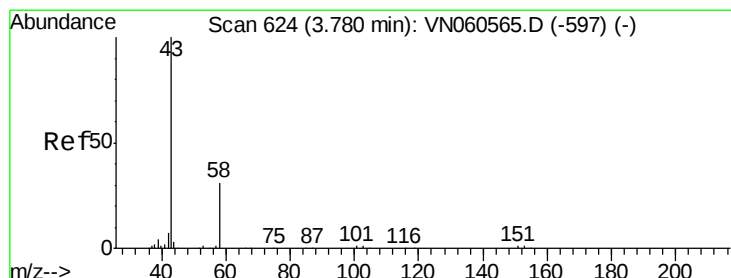
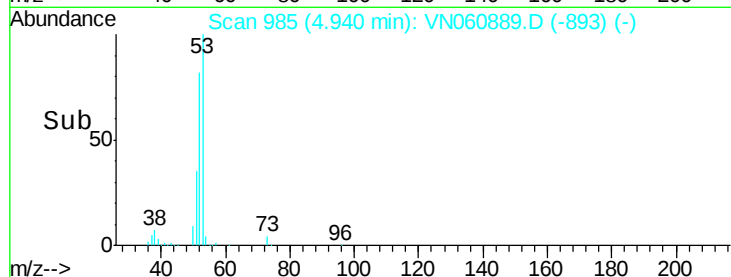
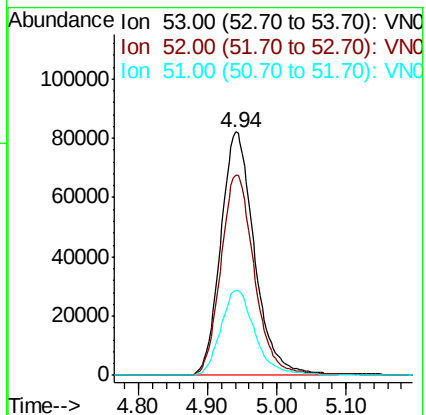
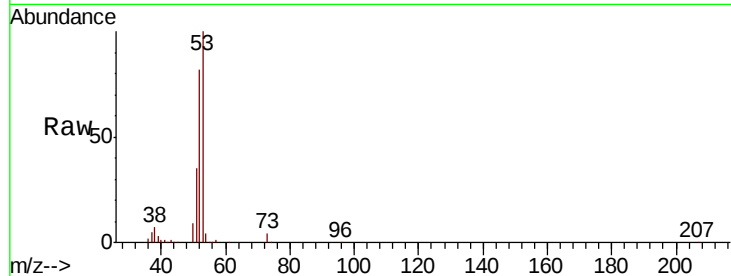
Tot Ion: 53 Resp: 278414

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.4

51 35.6 28.7 43.1



#16

Acetone

Concen: 229.249 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060889.D

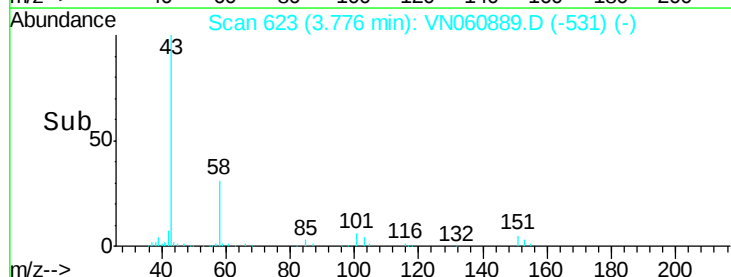
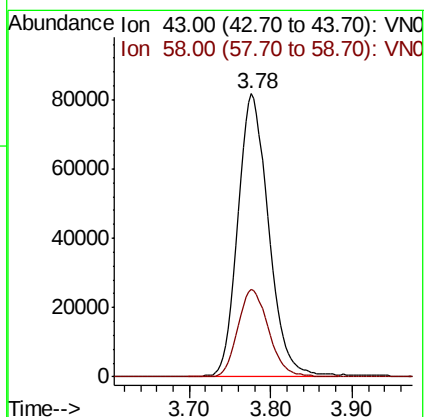
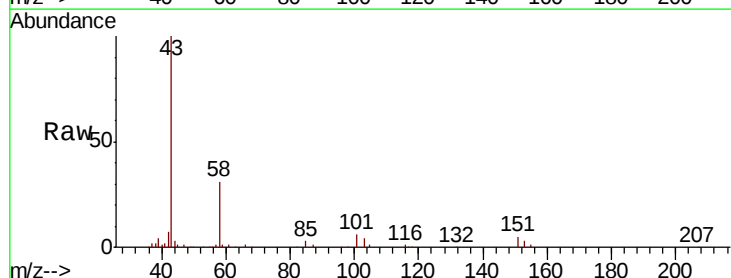
Acq: 7 Apr 2020 19:50

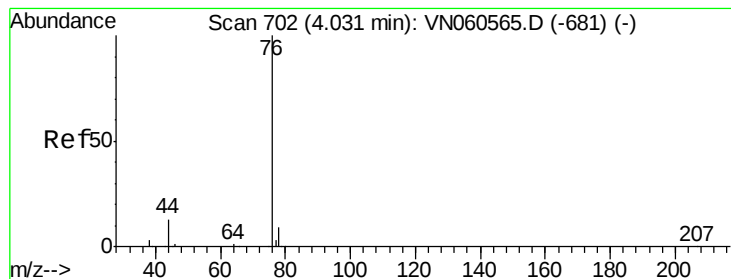
Tgt Ion: 43 Resp: 213934

Ion Ratio Lower Upper

43 100

58 30.9 25.1 37.7





#17

Carbon Disulfide

Concen: 41.363 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

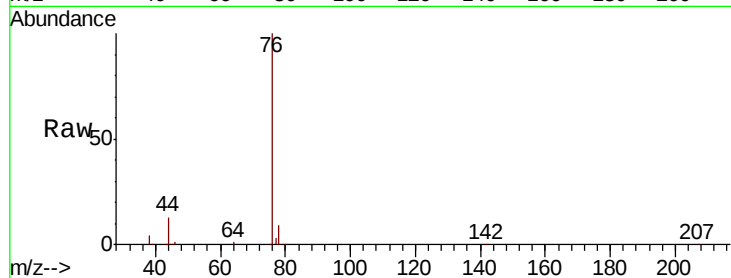
VSTDCCC050EC

Tot Ion: 76 Resp: 261380

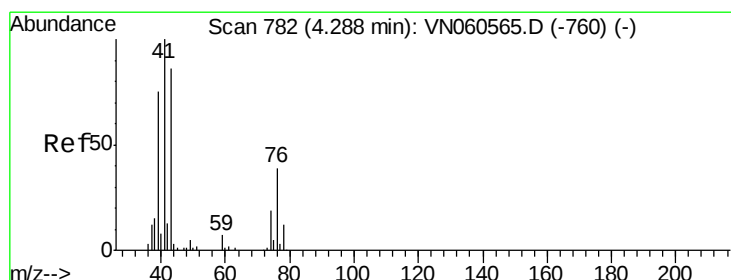
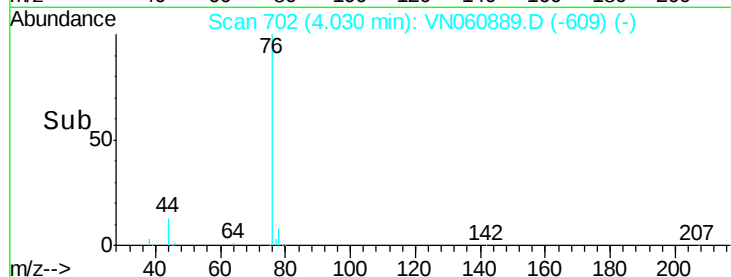
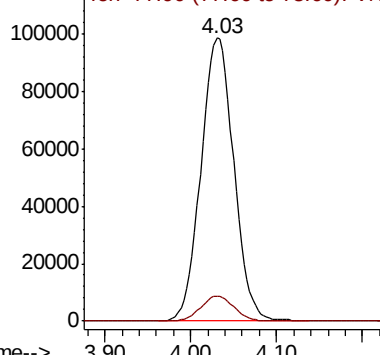
Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



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



#18

Methyl Acetate

Concen: 51.916 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060889.D

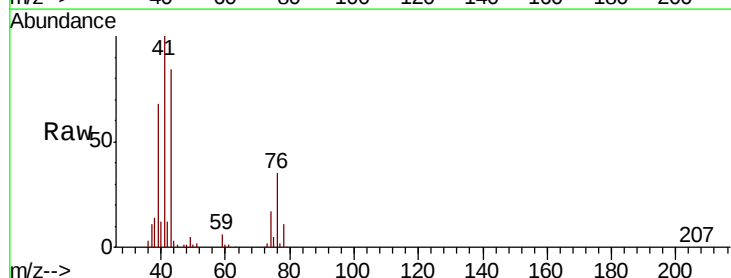
Acq: 7 Apr 2020 19:50

Tgt Ion: 43 Resp: 136367

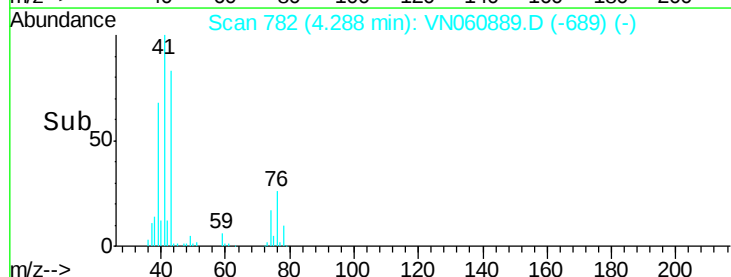
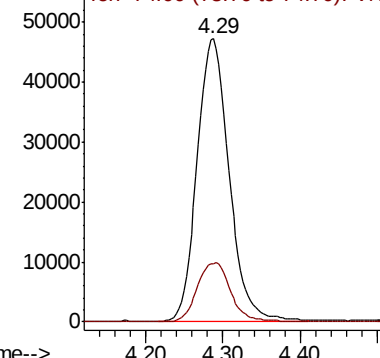
Ion Ratio Lower Upper

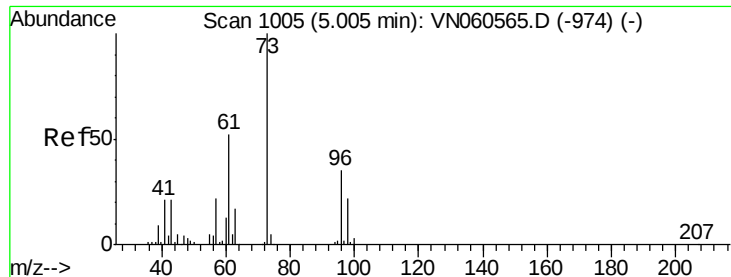
43 100

74 21.6 17.5 26.3



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

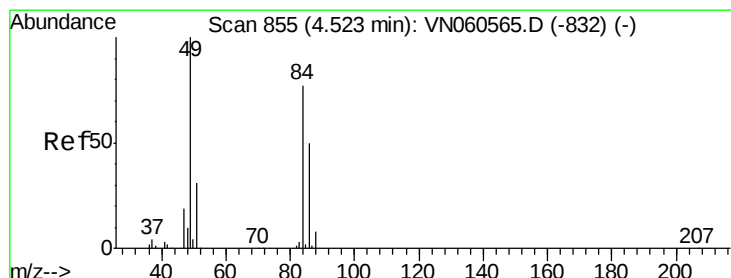
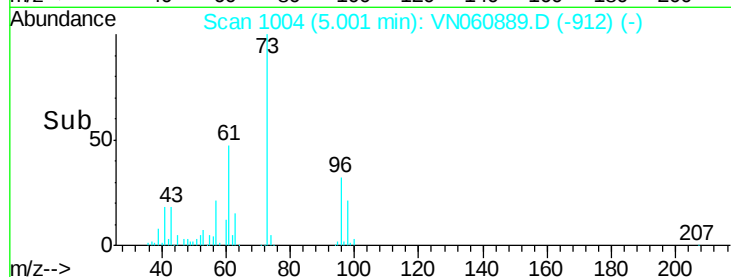
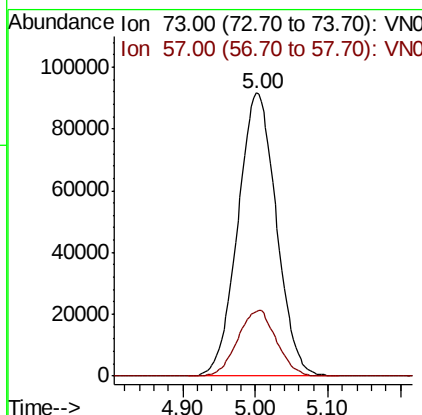
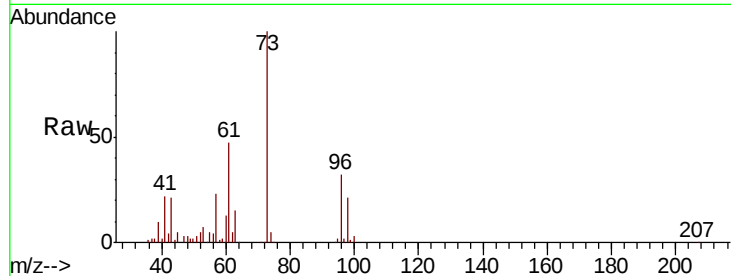




#19
Methvl tert-butvl Ether
Concen: 47.353 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

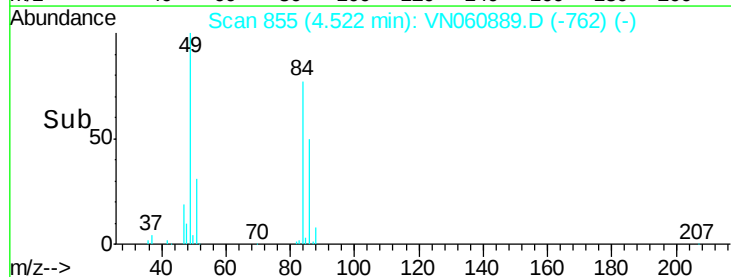
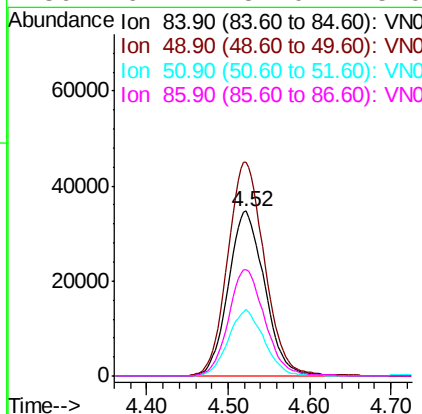
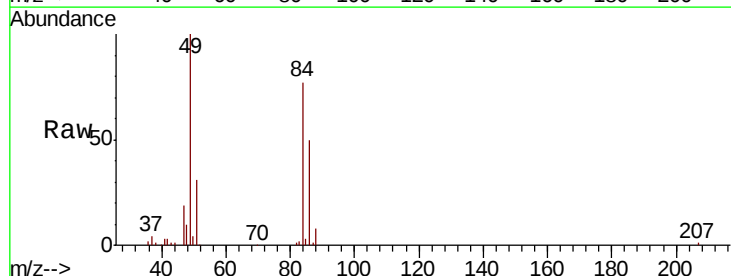
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 338279
Ion Ratio Lower Upper
73 100
57 22.9 17.5 26.3



#20
Methylene Chloride
Concen: 47.048 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Tgt Ion: 84 Resp: 108003
Ion Ratio Lower Upper
84 100
49 129.7 103.3 154.9
51 40.1 31.6 47.4
86 64.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 45.680 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

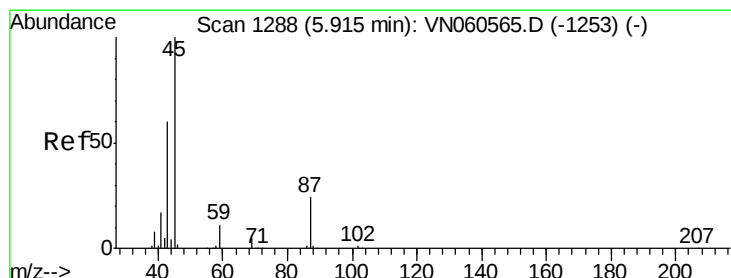
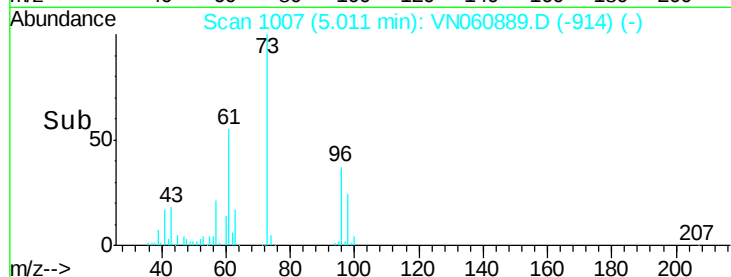
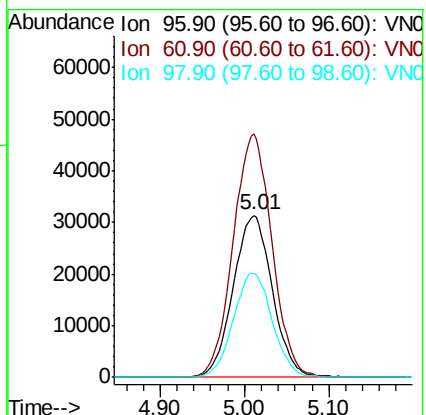
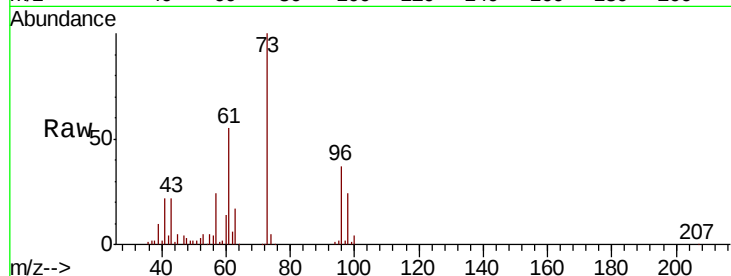
Tot Ion: 96 Resp: 101157

Ion Ratio Lower Upper

96 100

61 150.3 114.4 171.6

98 64.5 48.4 72.6



#22

Diisopropyl ether

Concen: 50.143 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Tgt Ion: 45 Resp: 387137

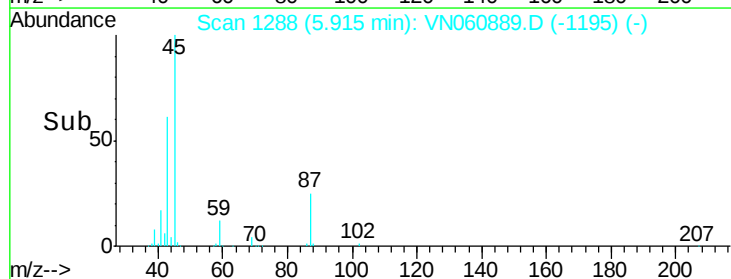
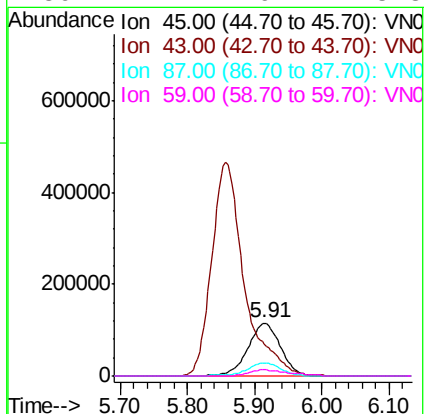
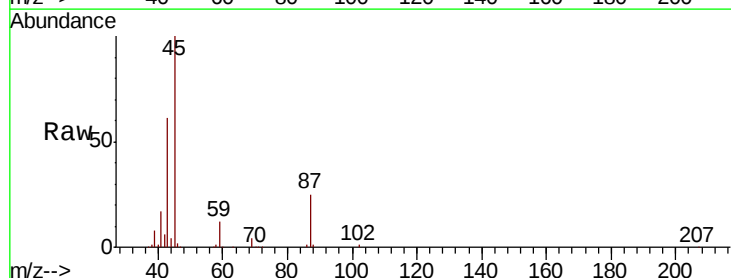
Ion Ratio Lower Upper

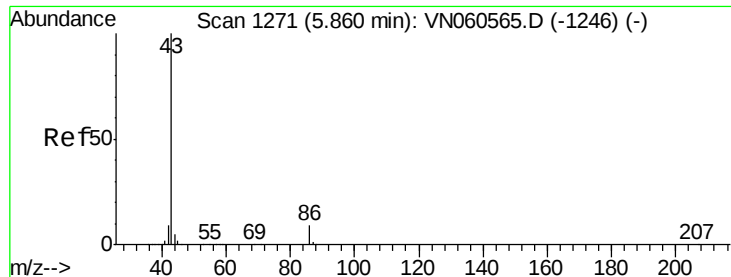
45 100

43 60.3 49.8 74.8

87 25.1 20.1 30.1

59 11.4 9.2 13.8

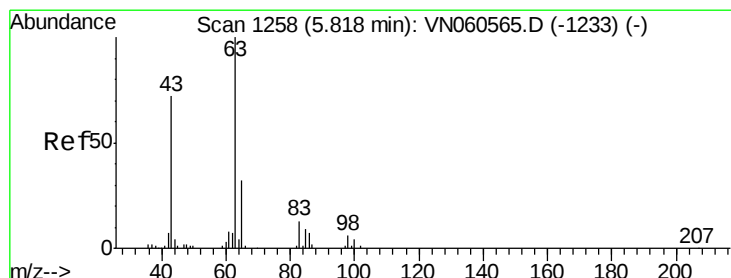
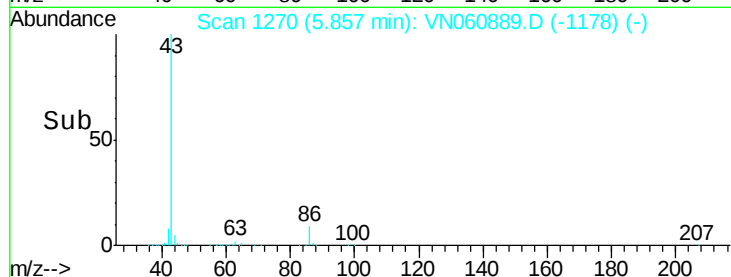
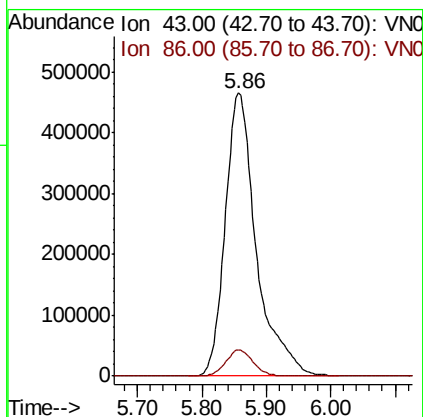
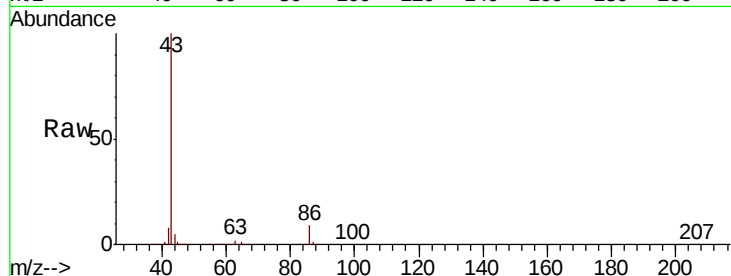




#23
 Vinyl Acetate
 Concen: 248.527 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

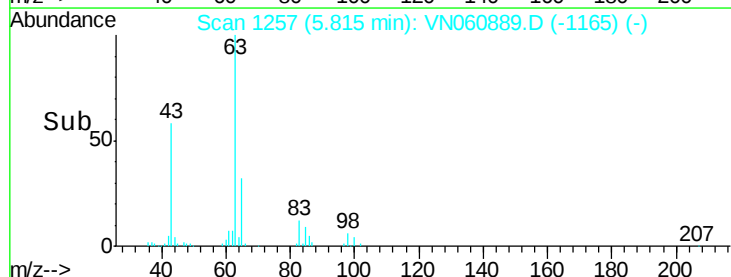
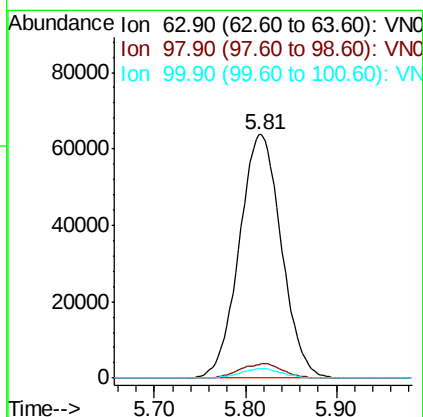
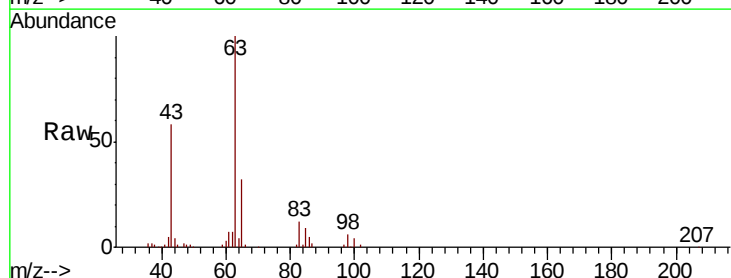
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

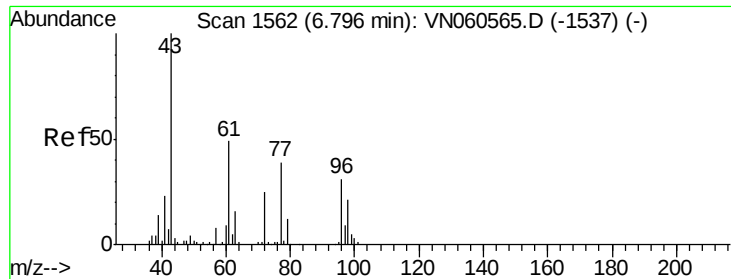
Tot Ion: 43 Resp: 1565563
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 48.615 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Tgt Ion: 63 Resp: 204615
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.7
 100 3.8 1.8 5.5

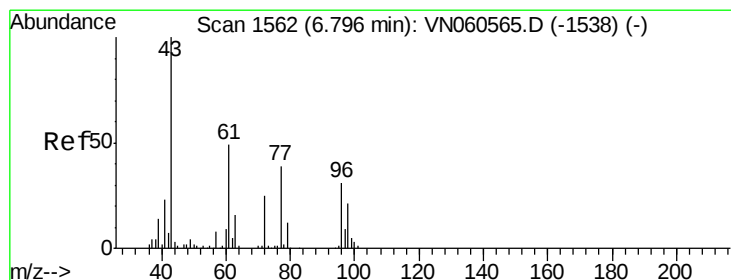
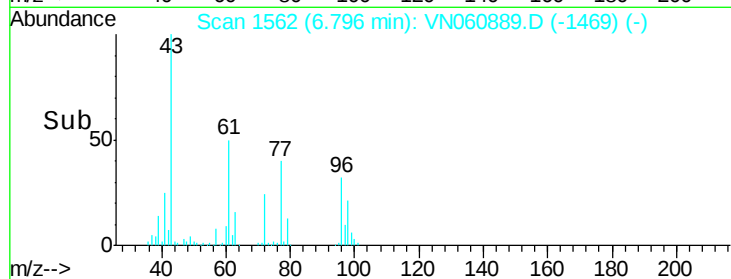
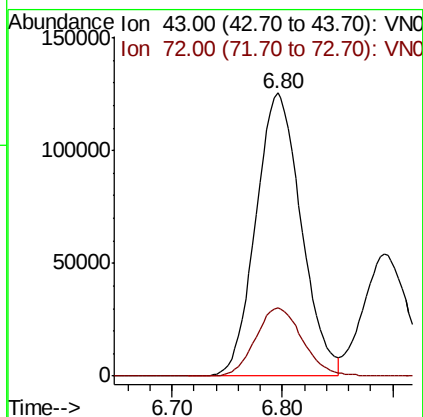
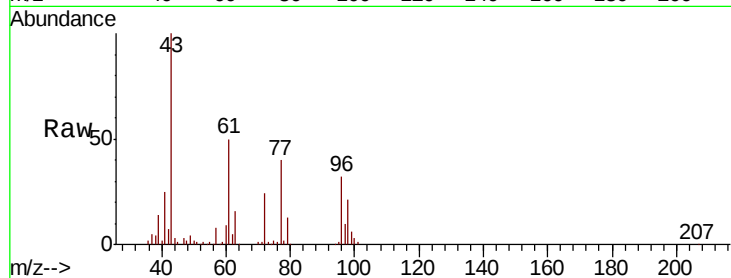




#25
2-Butanone
Concen: 236.912 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

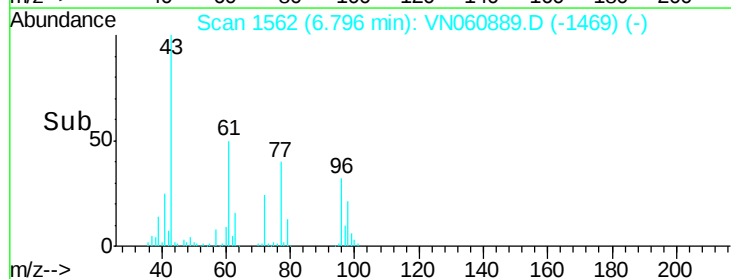
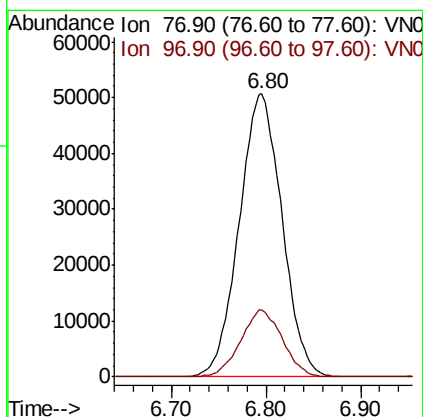
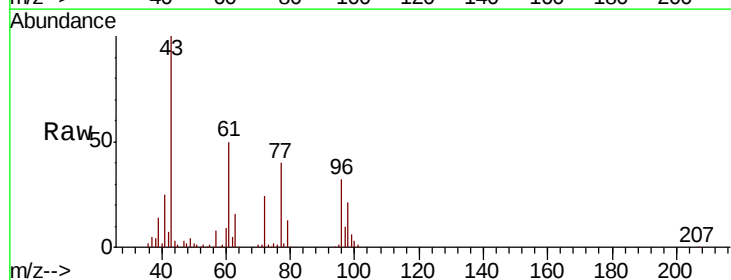
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

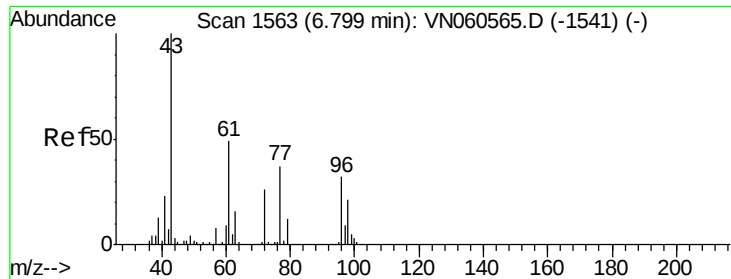
Tot Ion: 43 Resp: 357753
Ion Ratio Lower Upper
43 100
72 24.2 20.4 30.6



#26
2,2-Dichloropropane
Concen: 48.068 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Tgt Ion: 77 Resp: 159176
Ion Ratio Lower Upper
77 100
97 23.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 47.780 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

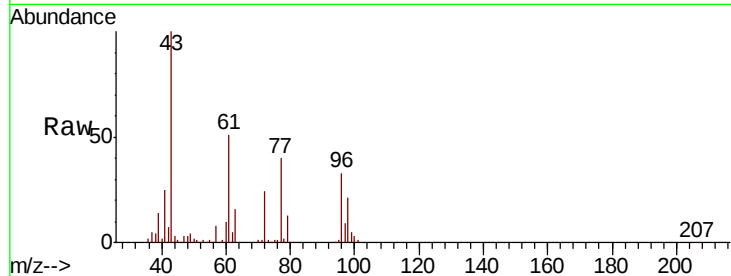
Tot Ion: 96 Resp: 120237

Ion Ratio Lower Upper

96 100

61 154.0 0.0 305.6

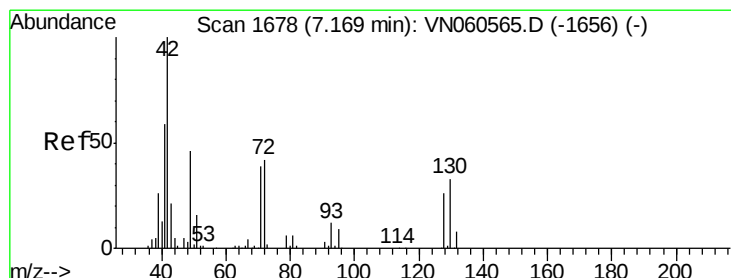
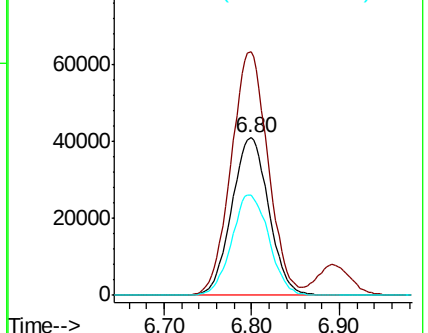
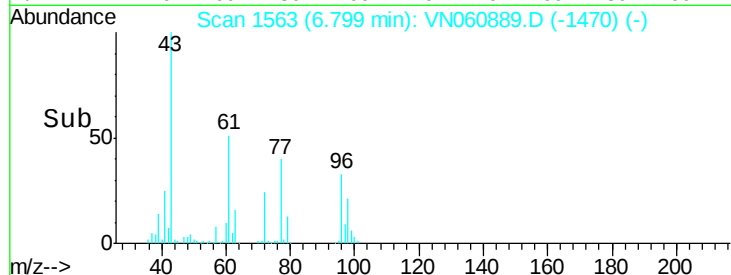
98 63.8 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060889.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060889.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060889.D (-1470) (-)



#28

Bromochloromethane

Concen: 50.908 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

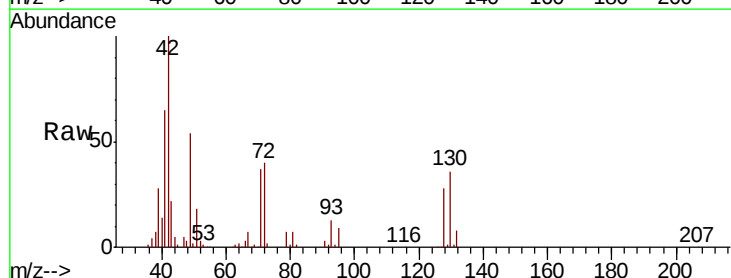
Tgt Ion: 49 Resp: 102515

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

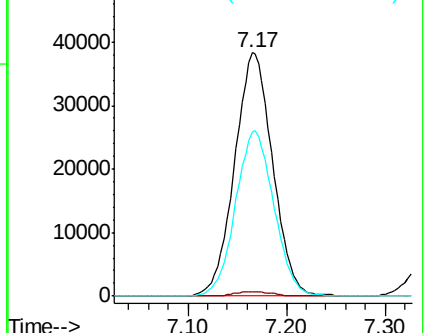
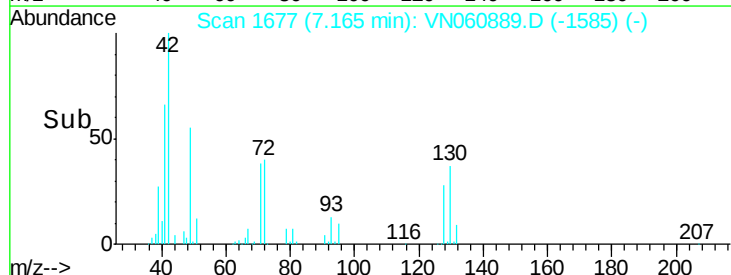
130 68.1 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN060889.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060889.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060889.D (-1585) (-)

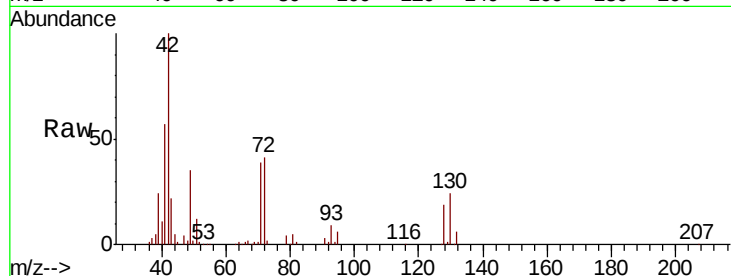




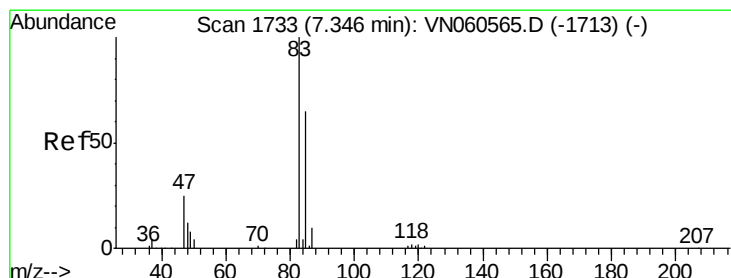
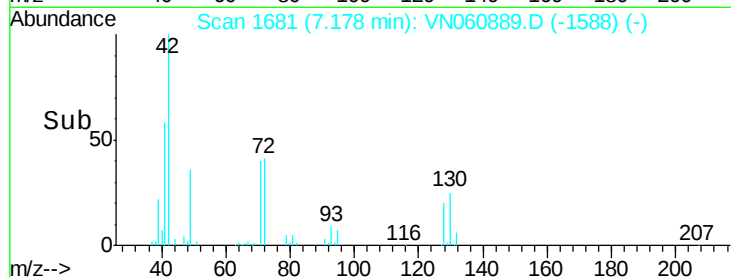
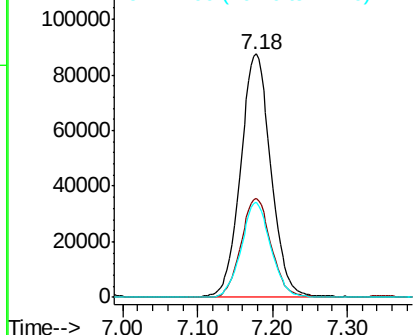
#29
Tetrahydrofuran
Concen: 231.363 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 247196
Ion Ratio Lower Upper
42 100
72 40.2 33.2 49.8
71 37.9 31.1 46.7

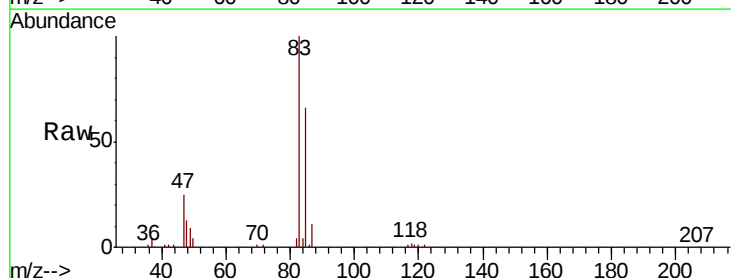


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

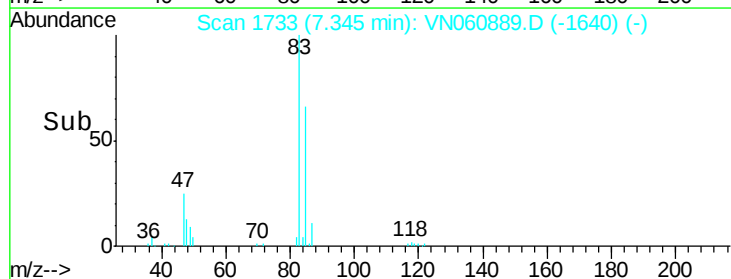
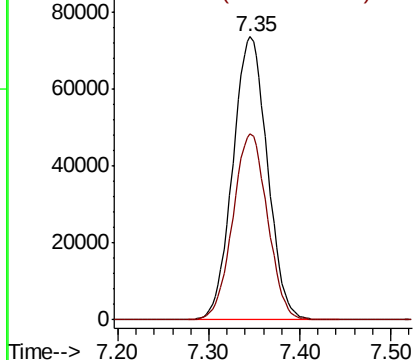


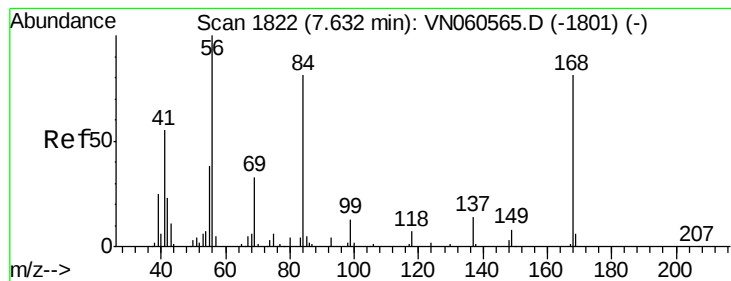
#30
Chloroform
Concen: 48.179 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Tgt Ion: 83 Resp: 194398
Ion Ratio Lower Upper
83 100
85 65.6 51.8 77.8



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





#31

Cyclohexane

Concen: 44.252 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

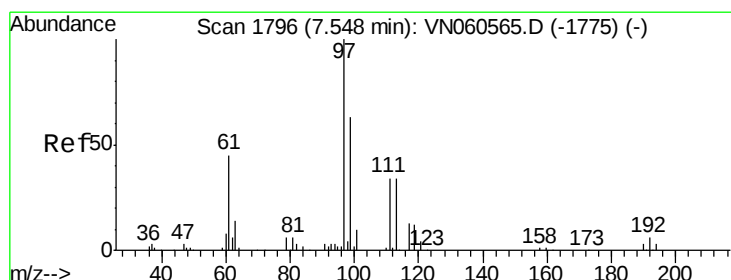
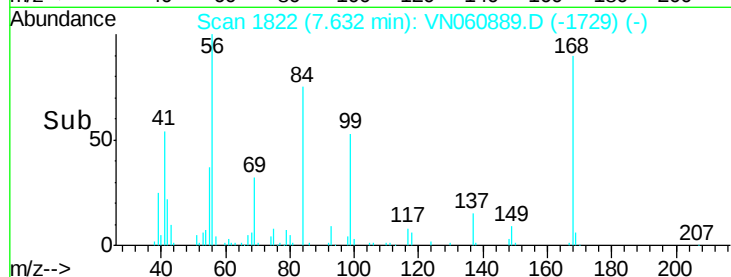
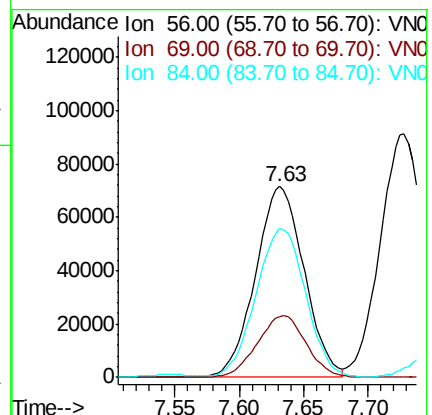
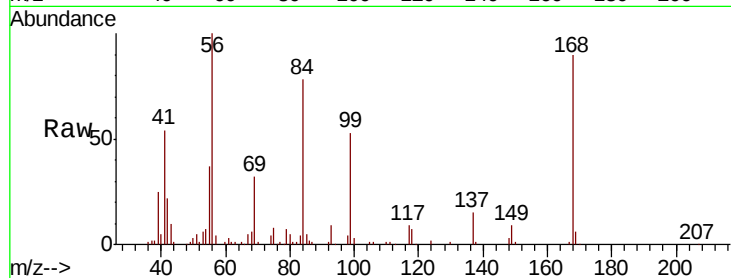
Tot Ion: 56 Resp: 187770

Ion Ratio Lower Upper

56 100

69 31.9 26.6 40.0

84 76.9 64.3 96.5



#32

1,1,1-Trichloroethane

Concen: 48.154 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

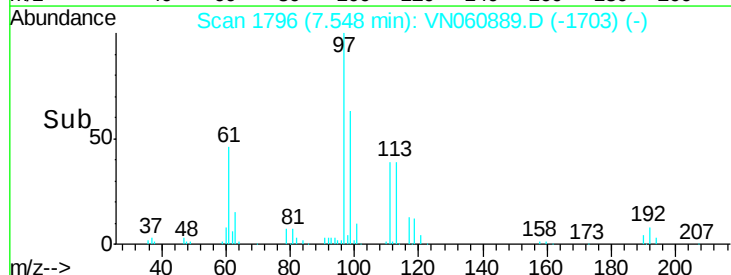
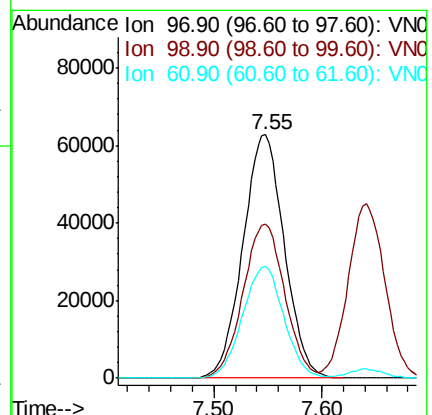
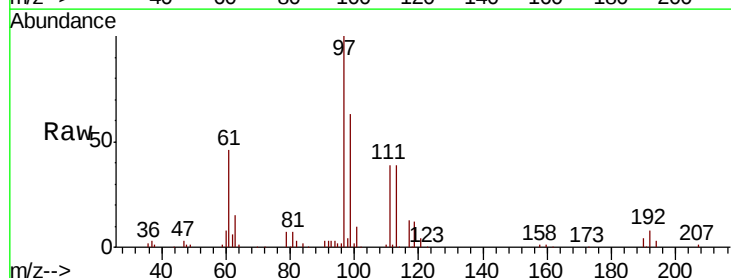
Tgt Ion: 97 Resp: 167498

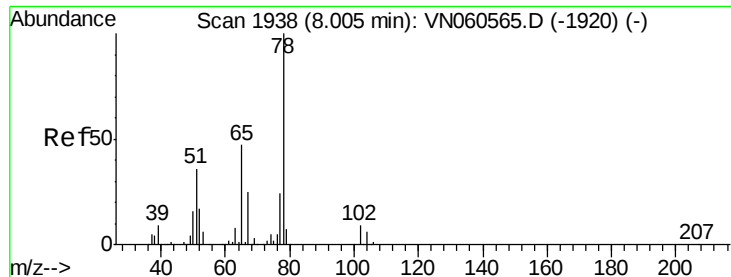
Ion Ratio Lower Upper

97 100

99 63.8 50.6 75.8

61 45.7 36.2 54.4

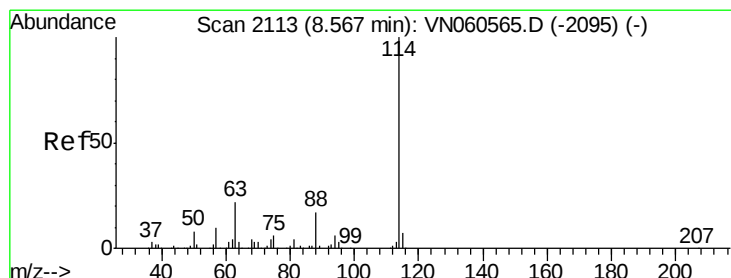
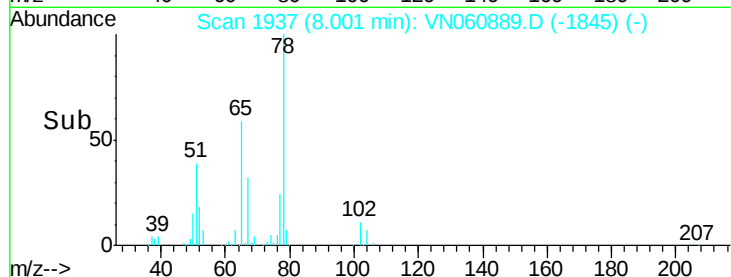
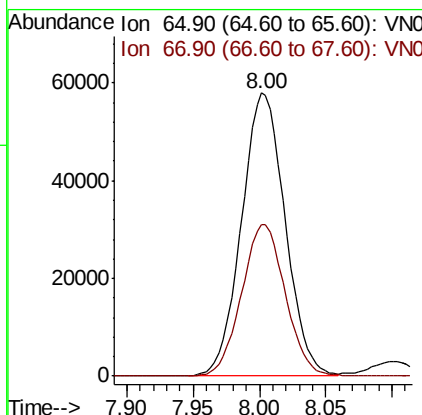
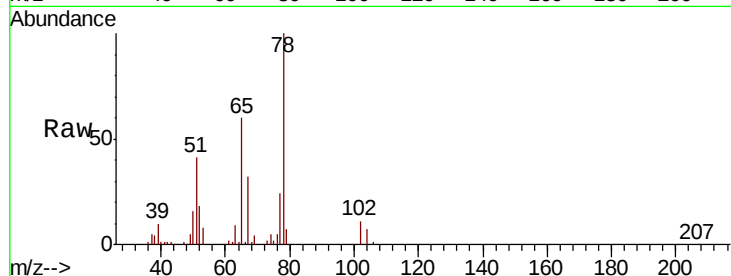




#33
 1,2-Dichloroethane-d4
 Concen: 50.259 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

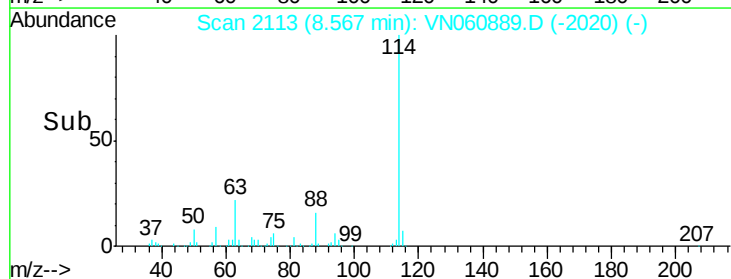
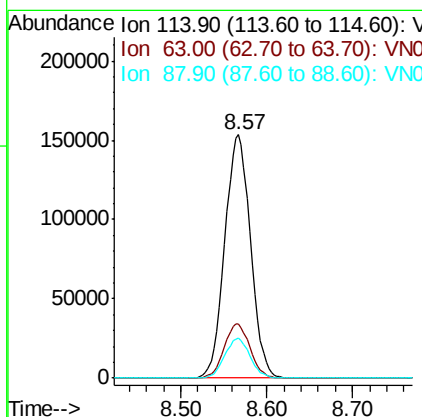
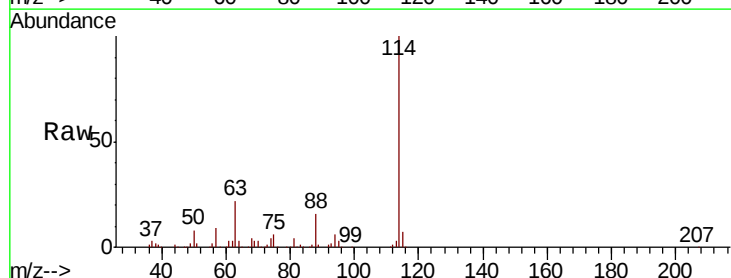
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

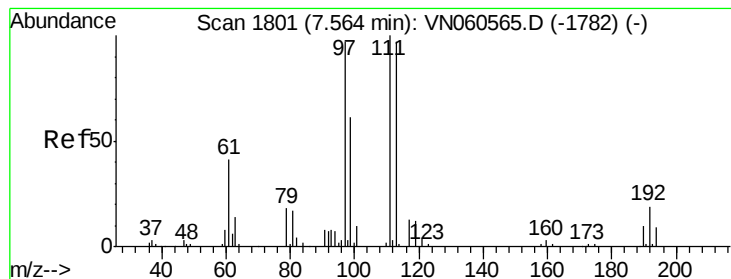
Tot Ion: 65 Resp: 132407
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Tgt Ion: 114 Resp: 319201
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.8
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.429 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

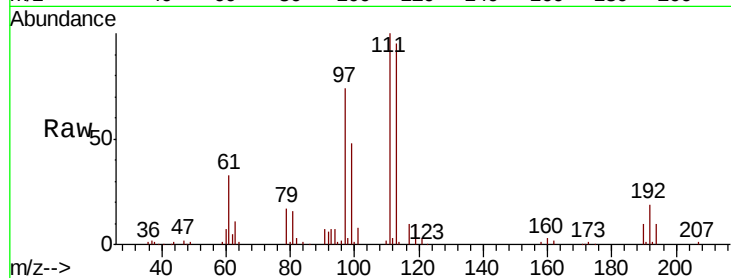
Tot Ion:113 Resp: 101193

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

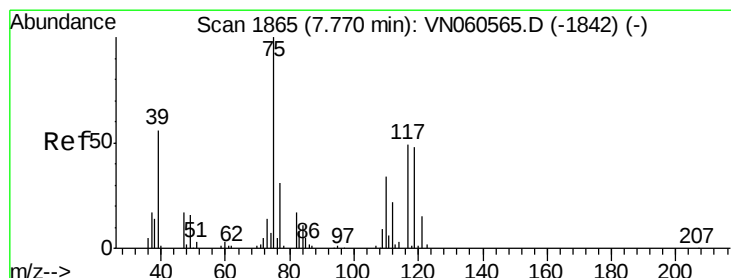
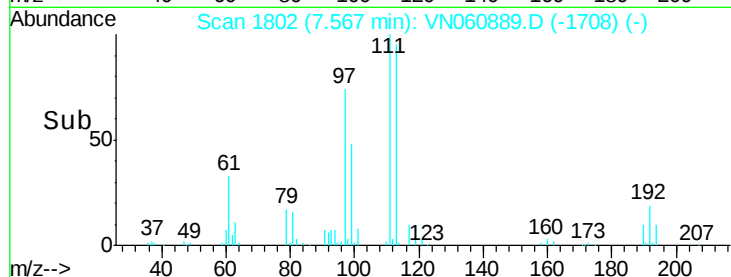
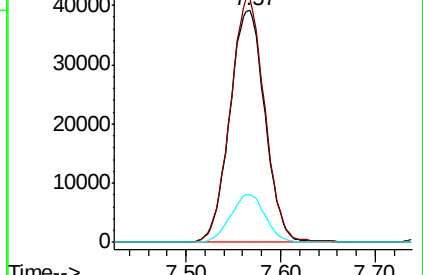
192 20.1 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.861 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

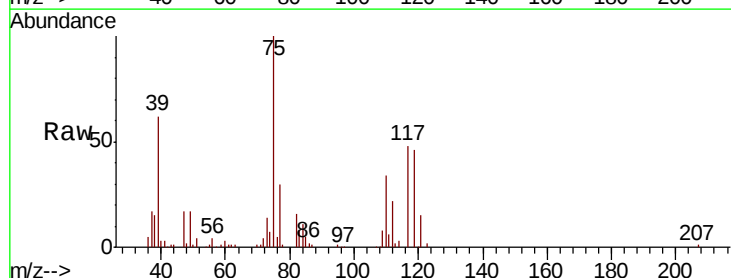
Tgt Ion: 75 Resp: 147930

Ion Ratio Lower Upper

75 100

110 33.6 16.9 50.6

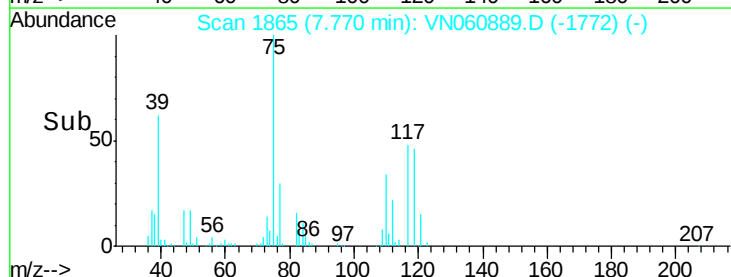
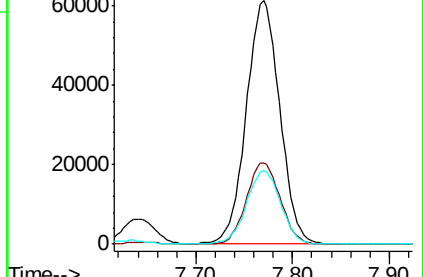
77 30.6 24.6 36.8

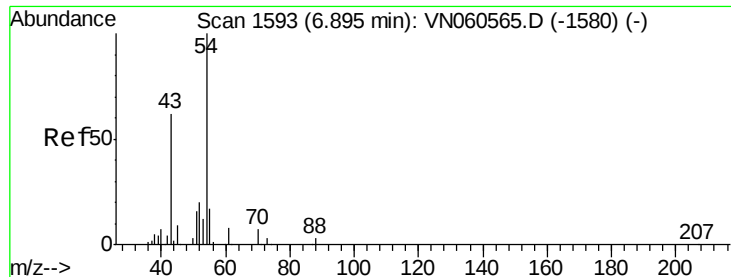


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 46.820 ug/l

RT: 6.89 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

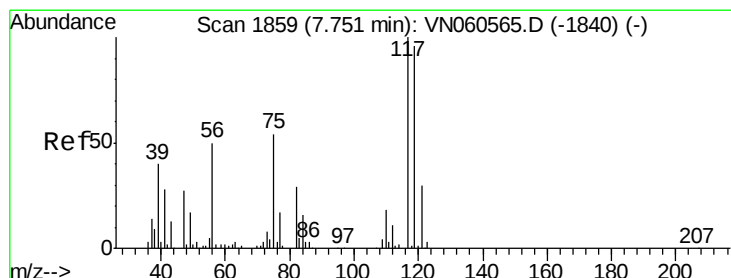
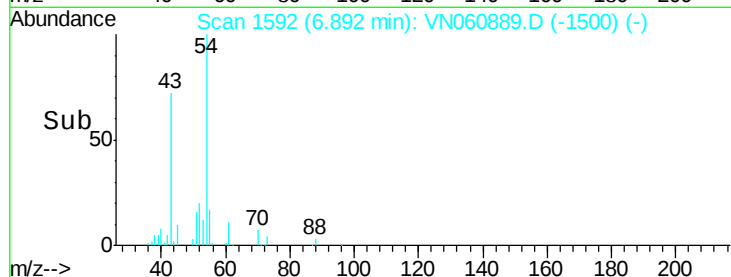
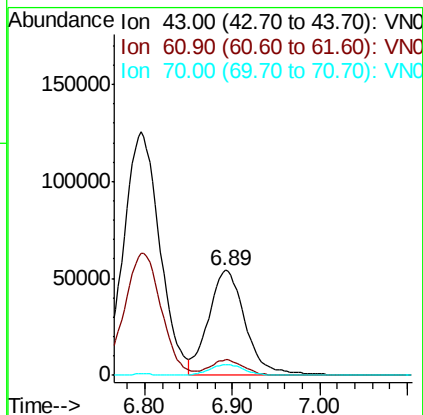
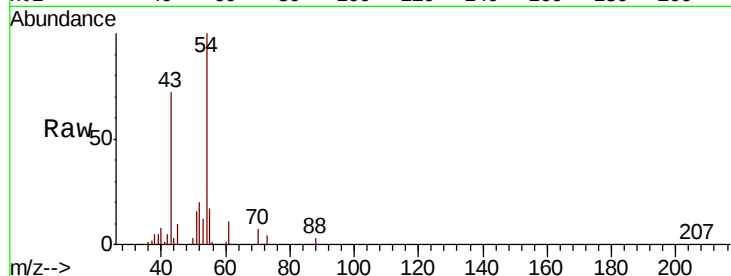
Tot Ion: 43 Resp: 156367

Ion Ratio Lower Upper

43 100

61 13.7 10.6 15.8

70 9.8 7.9 11.9



#38

Carbon Tetrachloride

Concen: 48.539 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

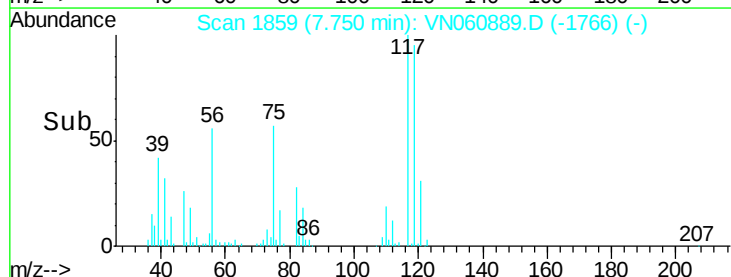
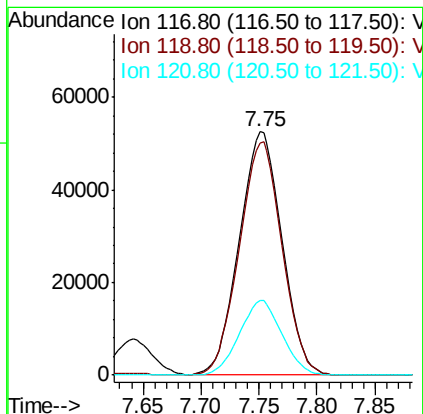
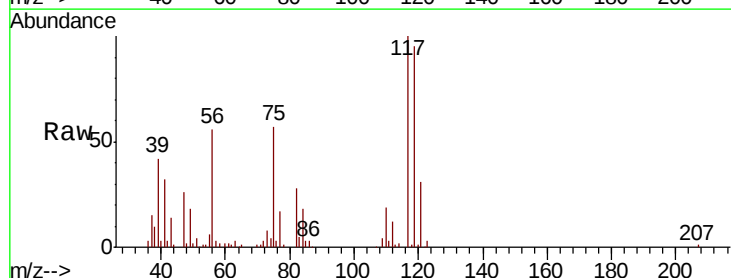
Tgt Ion: 117 Resp: 134462

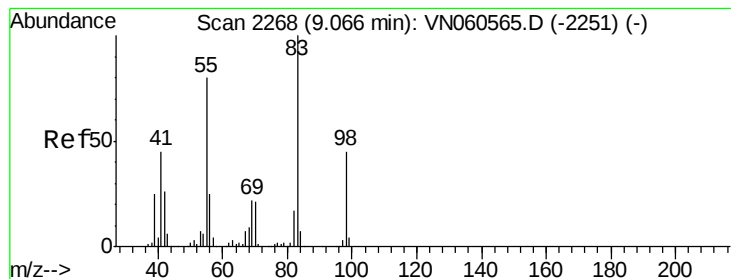
Ion Ratio Lower Upper

117 100

119 95.5 76.2 114.2

121 30.8 23.7 35.5

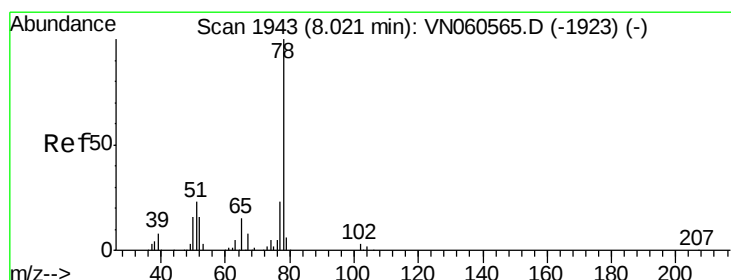
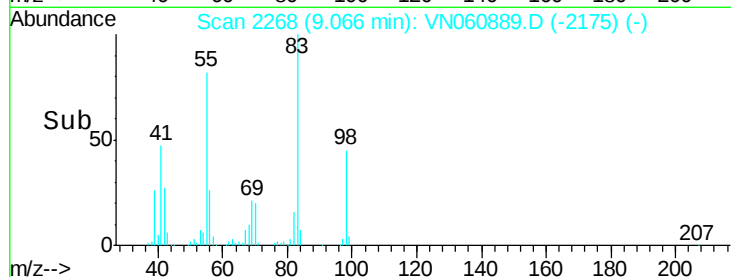
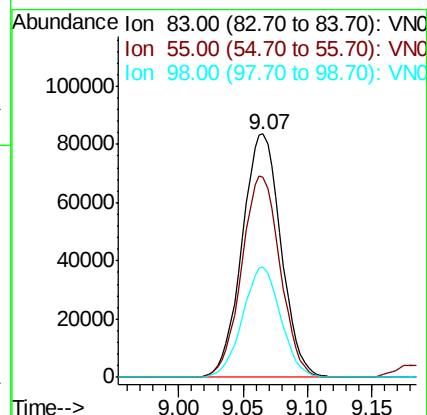
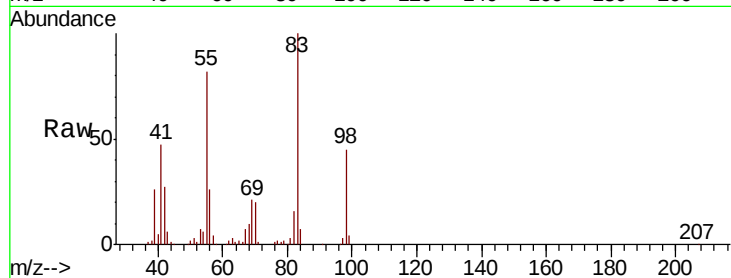




#39
Methvlcvclohexane
Concen: 47.875 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

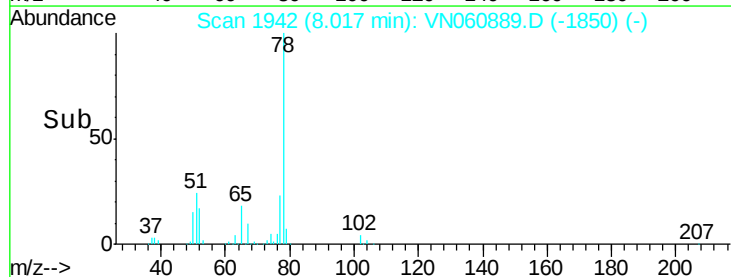
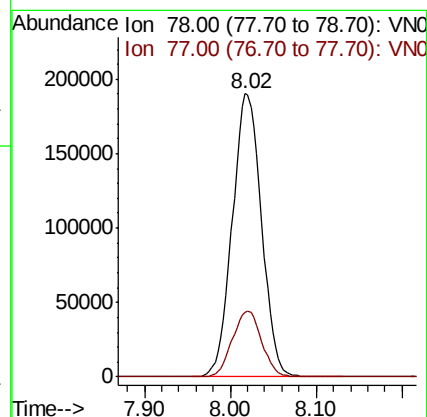
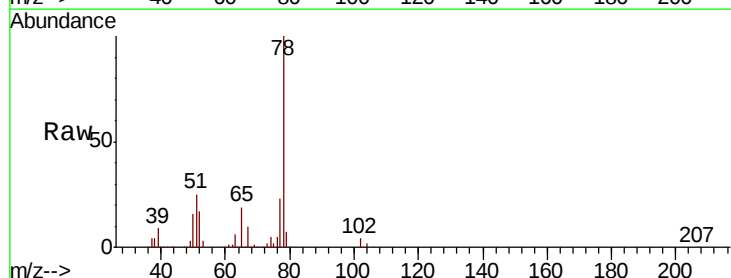
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

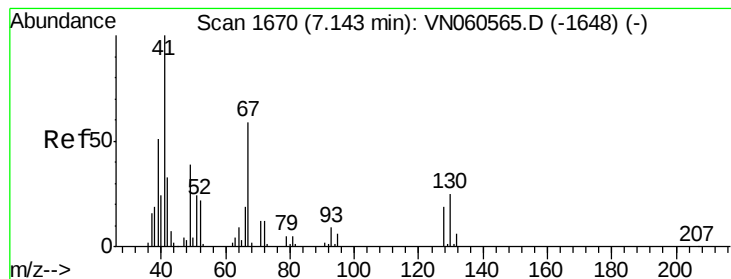
Tot Ion: 83 Resp: 175850
Ion Ratio Lower Upper
83 100
55 82.2 63.6 95.4
98 45.5 36.0 54.0



#40
Benzene
Concen: 47.998 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Tgt Ion: 78 Resp: 447844
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0





#41

Methacrylonitrile

Concen: 155.955 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.03 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 222283

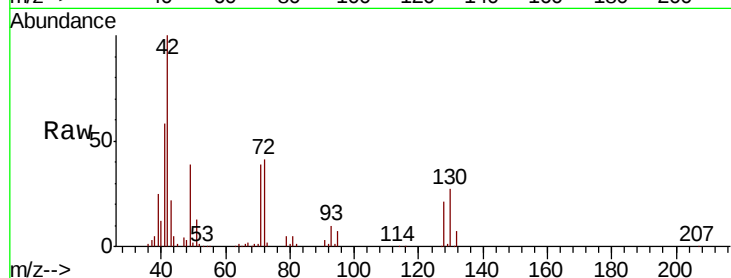
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

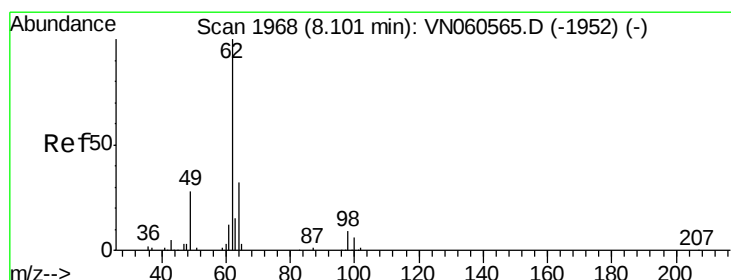
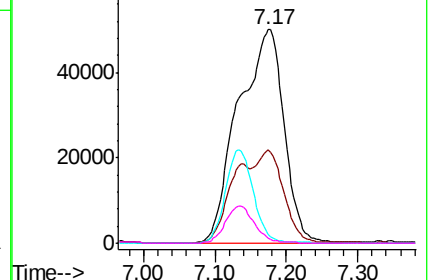
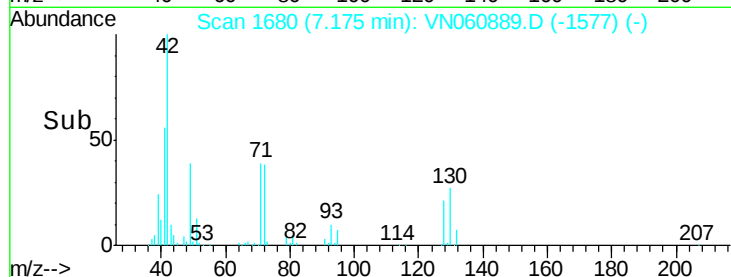


Abundance Ion 41.00 (40.70 to 41.70): VN060889.D (-1577) (-)

Ion 39.00 (38.70 to 39.70): VN060889.D (-1577) (-)

Ion 67.00 (66.70 to 67.70): VN060889.D (-1577) (-)

Ion 52.00 (51.70 to 52.70): VN060889.D (-1577) (-)



#42

1,2-Dichloroethane

Concen: 49.090 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN060889.D

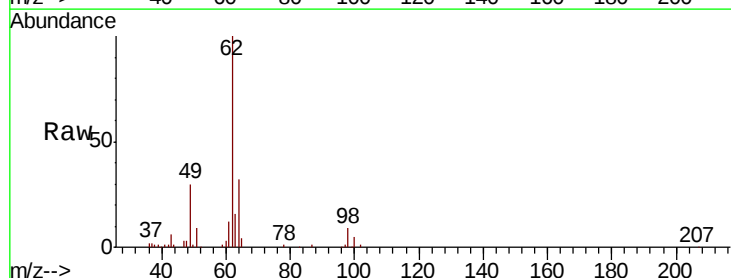
Acq: 7 Apr 2020 19:50

Tgt Ion: 62 Resp: 156536

Ion Ratio Lower Upper

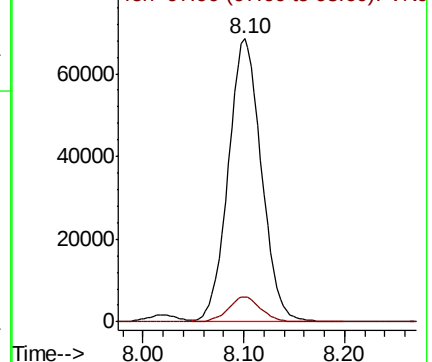
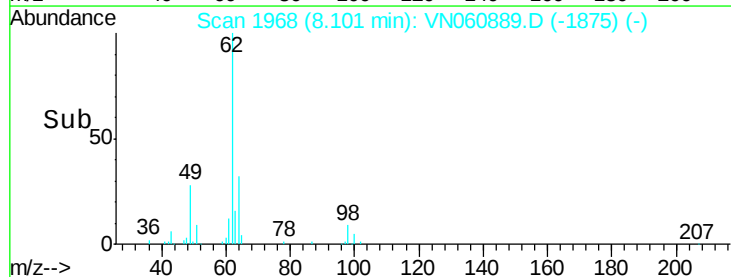
62 100

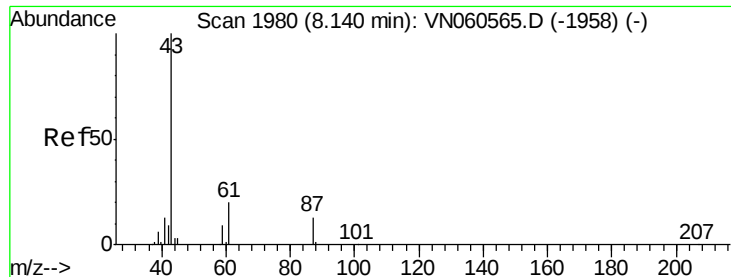
98 8.7 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN060889.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN060889.D (-1875) (-)

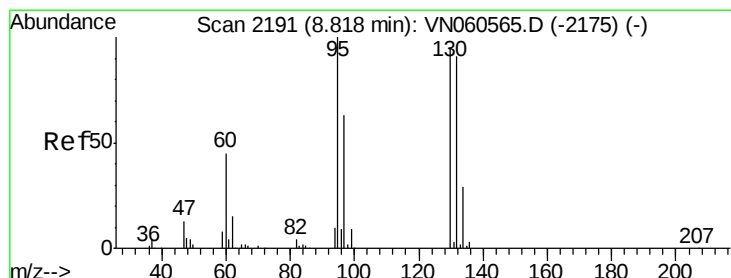
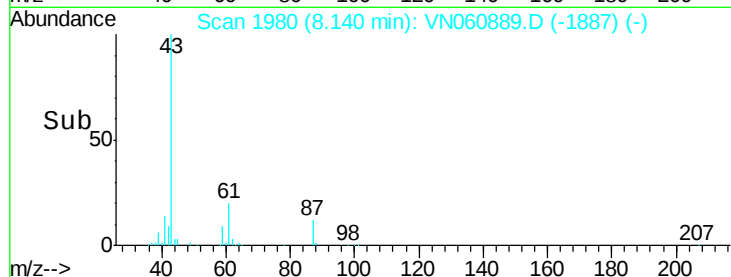
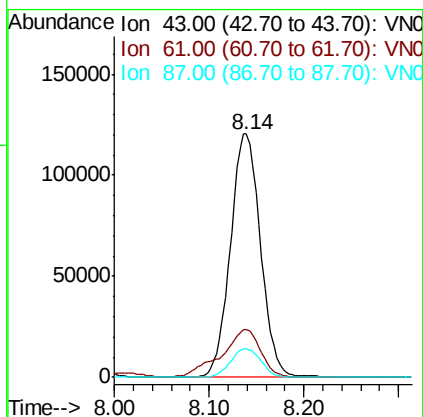
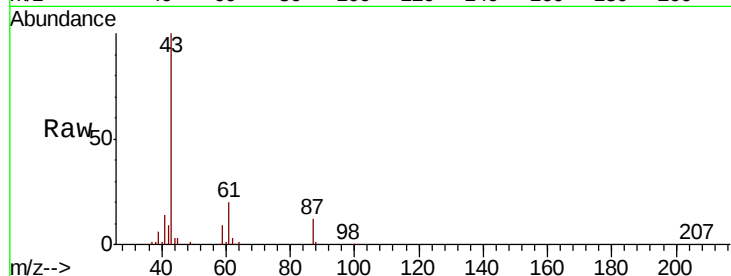




#43
Isopropyl Acetate
Concen: 48.370 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

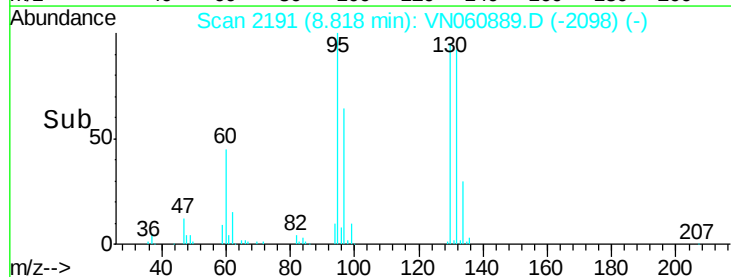
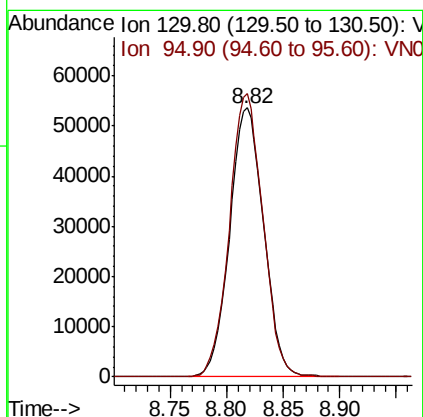
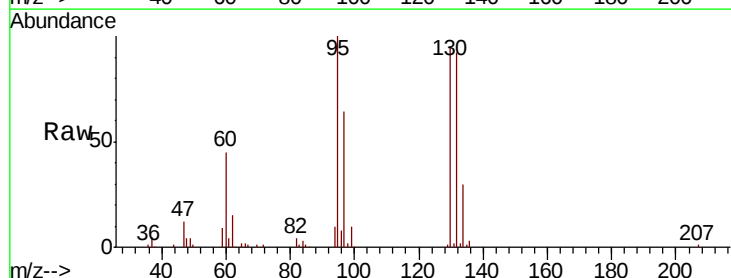
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 266417
Ion Ratio Lower Upper
43 100
61 25.7 20.7 31.1
87 12.0 9.8 14.8



#44
Trichloroethene
Concen: 47.684 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Tgt Ion:130 Resp: 112158
Ion Ratio Lower Upper
130 100
95 105.2 0.0 211.2





#45

1,2-Dichloropropane

Concen: 50.390 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

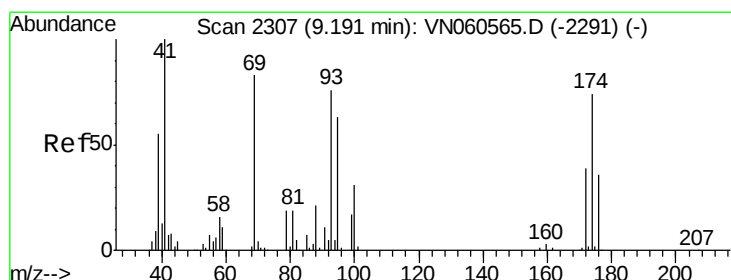
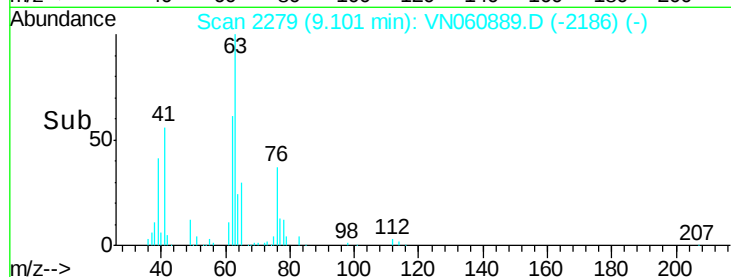
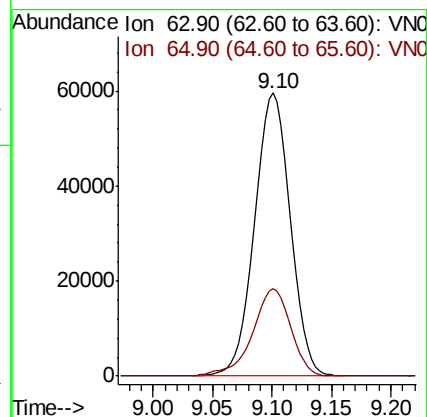
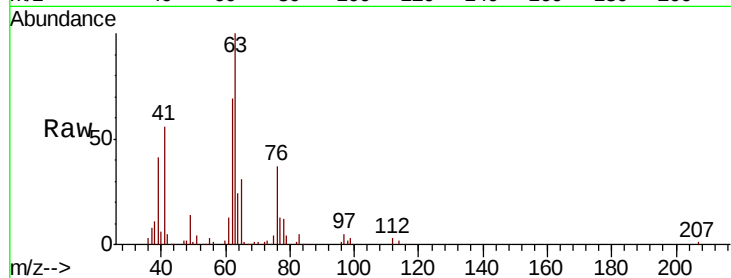
VSTDCCC050EC

Tot Ion: 63 Resp: 124062

Ion Ratio Lower Upper

63 100

65 31.0 25.4 38.0



#46

Dibromomethane

Concen: 49.767 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

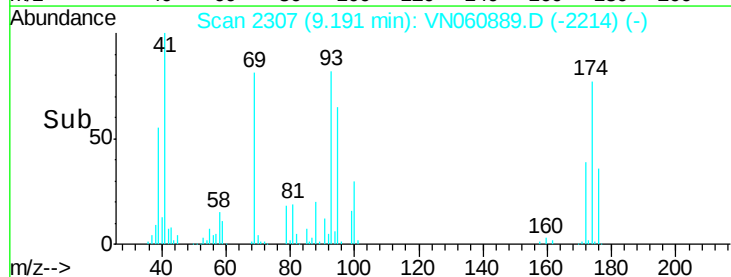
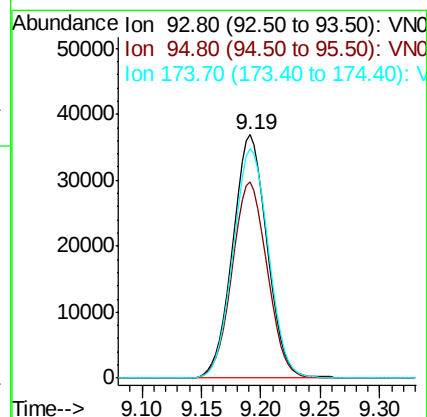
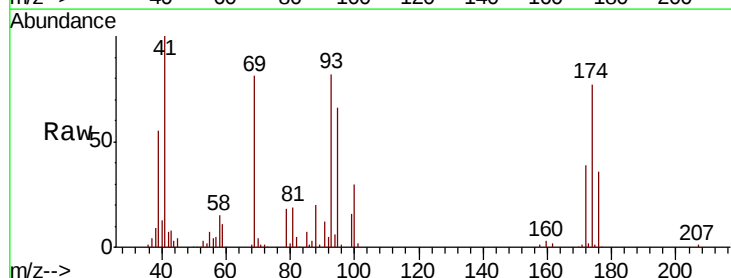
Tgt Ion: 93 Resp: 74076

Ion Ratio Lower Upper

93 100

95 82.1 66.2 99.4

174 96.5 77.9 116.9





#47

Bromodichloromethane

Concen: 50.340 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

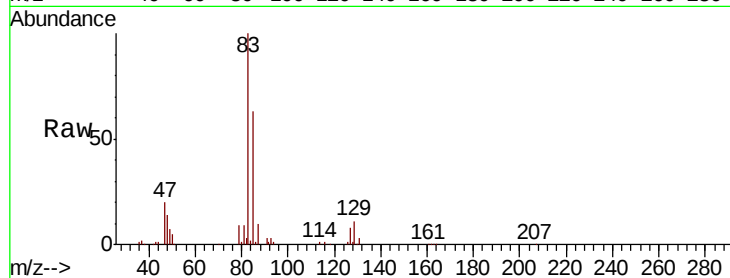
Tot Ion: 83 Resp: 155701

Ion Ratio Lower Upper

83 100

85 62.9 51.8 77.6

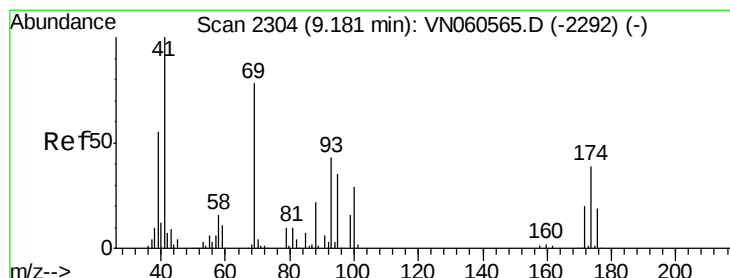
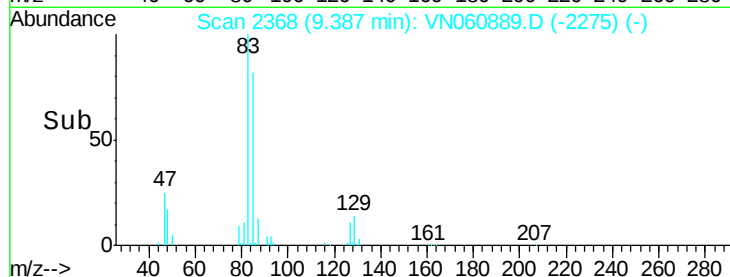
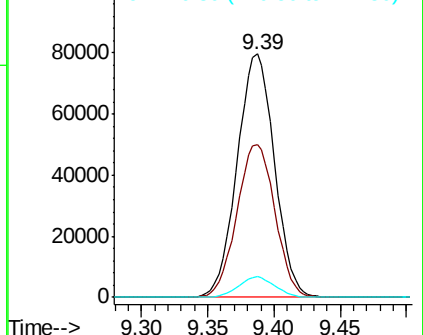
127 8.5 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060889.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060889.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060889.D (-2275) (-)



#48

Methyl methacrylate

Concen: 48.147 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

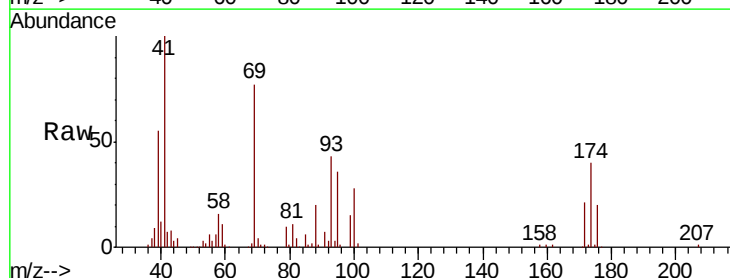
Tgt Ion: 41 Resp: 118068

Ion Ratio Lower Upper

41 100

69 80.5 65.4 98.0

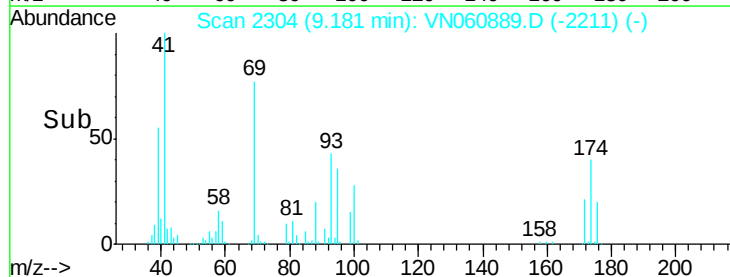
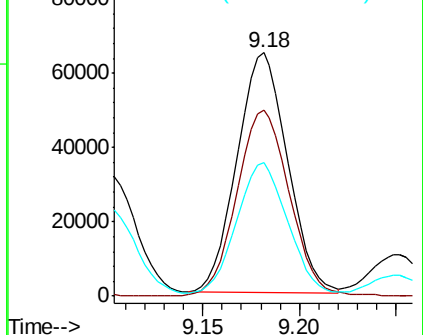
39 54.4 44.0 66.0

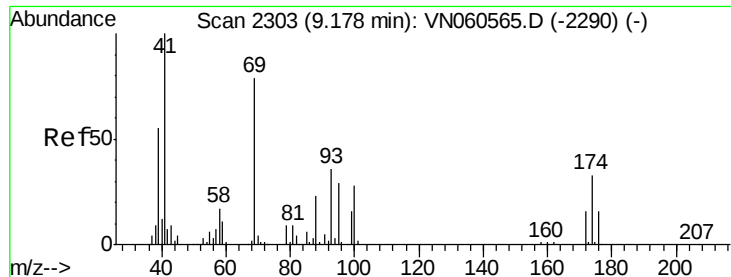


Abundance Ion 41.00 (40.70 to 41.70): VN060889.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060889.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060889.D (-2211) (-)

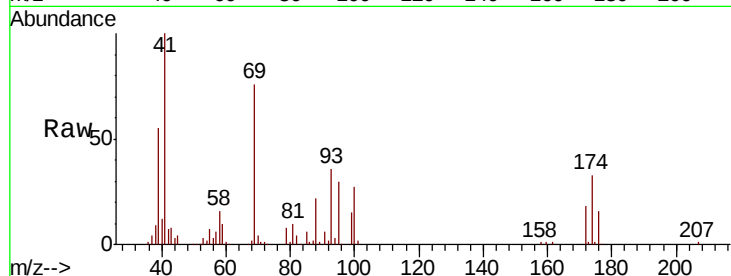




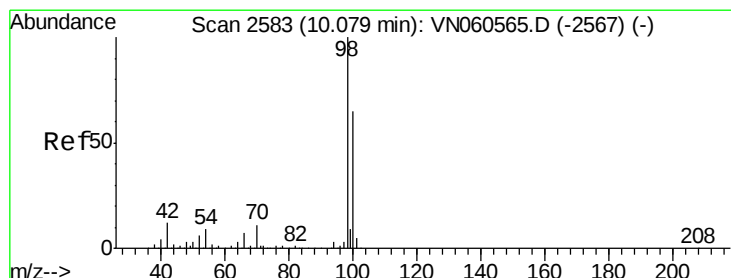
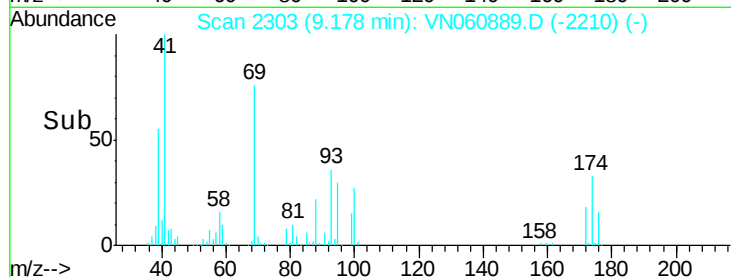
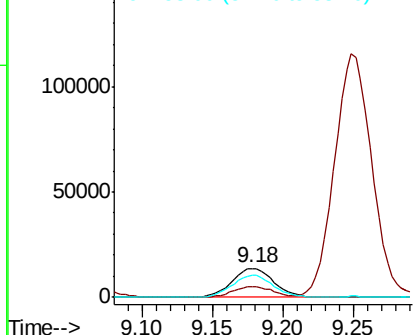
#49
 1,4-Dioxane
 Concen: 973.584 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 28378
 Ion Ratio Lower Upper
 88 100
 43 37.2 30.8 46.2
 58 74.9 59.8 89.8

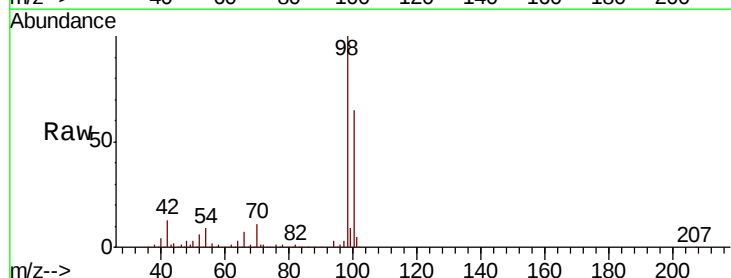


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

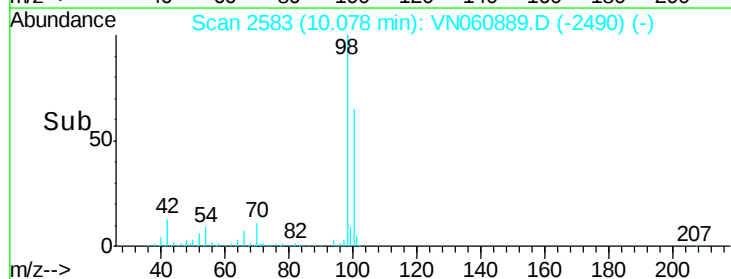
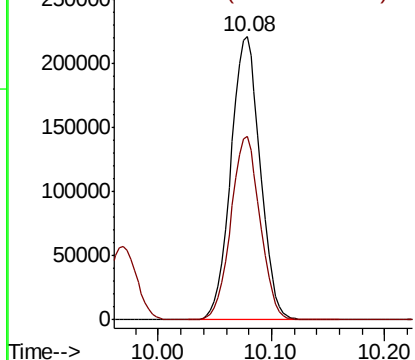


#50
 Toluene-d8
 Concen: 50.637 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Tgt Ion: 98 Resp: 399205
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 246.744 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

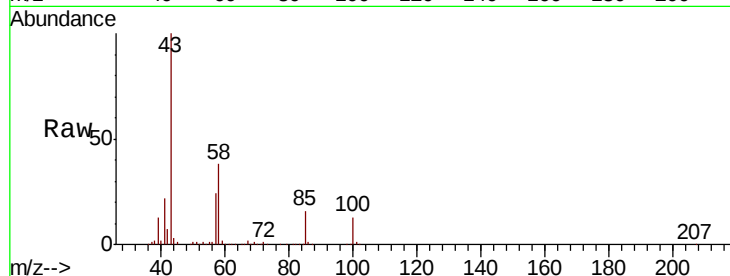
VSTDCCC050EC

Tot Ion: 43 Resp: 773351

Ion Ratio Lower Upper

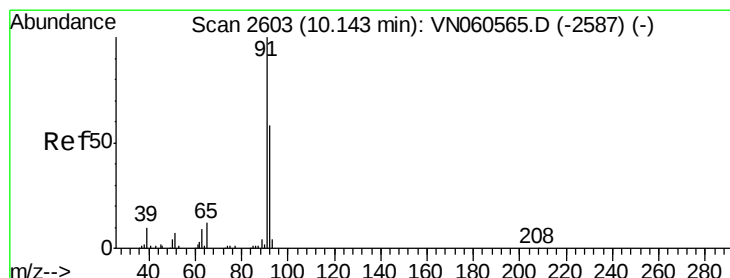
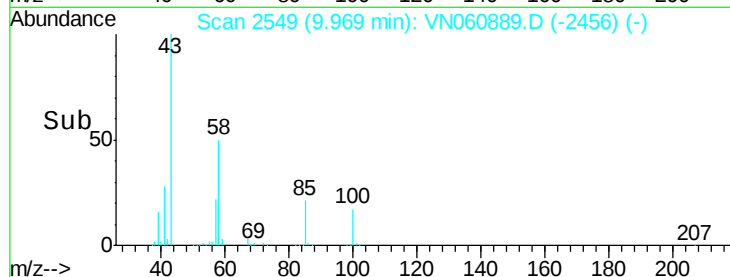
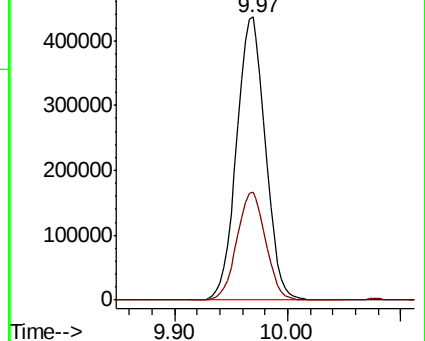
43 100

58 38.1 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060889.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060889.D (-2456) (-)



#52

Toluene

Concen: 48.415 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060889.D

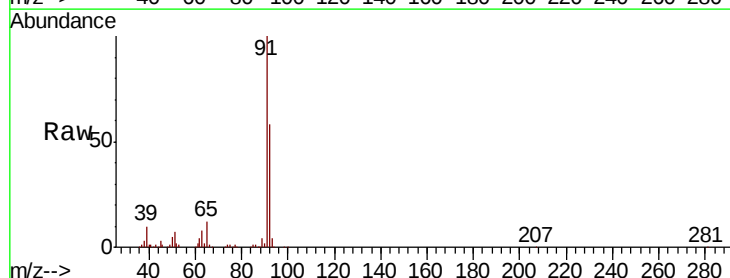
Acq: 7 Apr 2020 19:50

Tgt Ion: 92 Resp: 272818

Ion Ratio Lower Upper

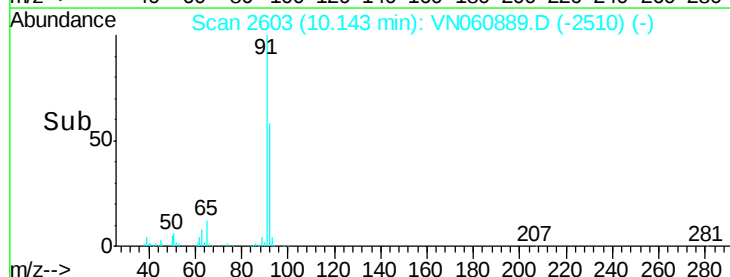
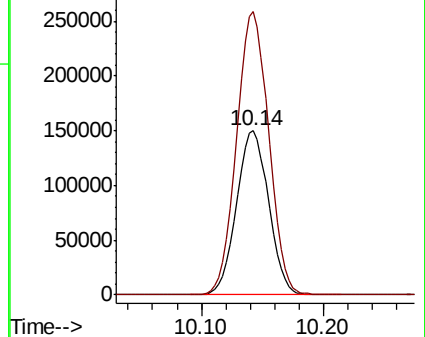
92 100

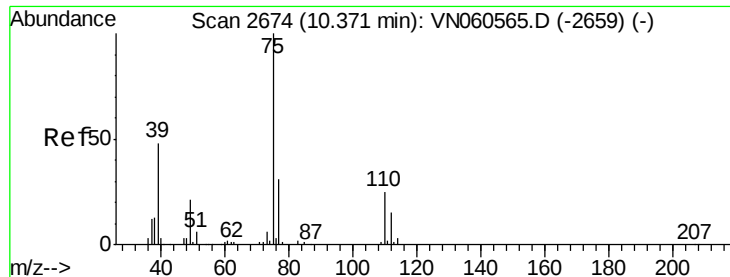
91 172.8 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060889.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060889.D (-2510) (-)





#53

t-1,3-Dichloropropene

Concen: 49.685 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

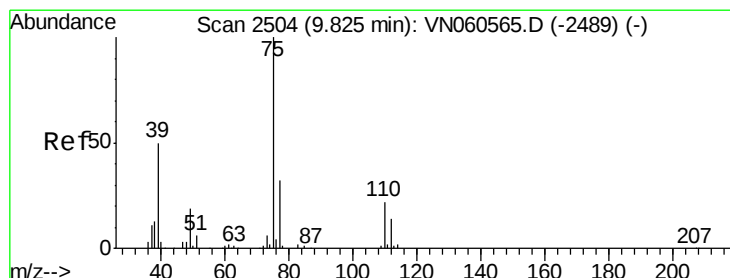
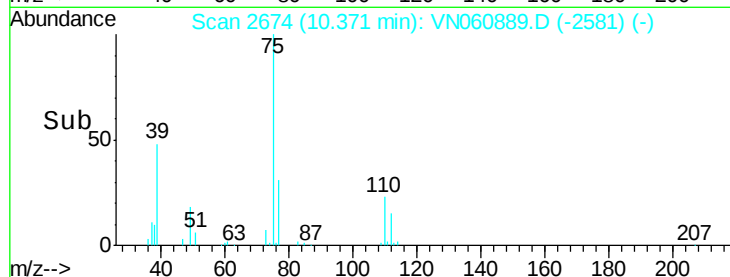
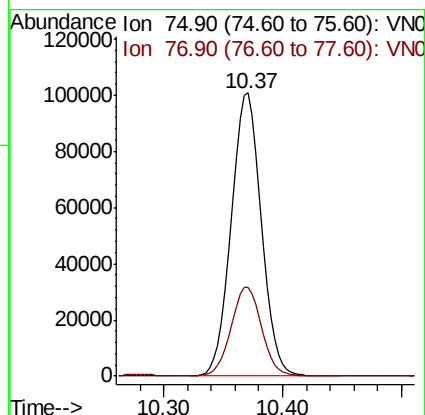
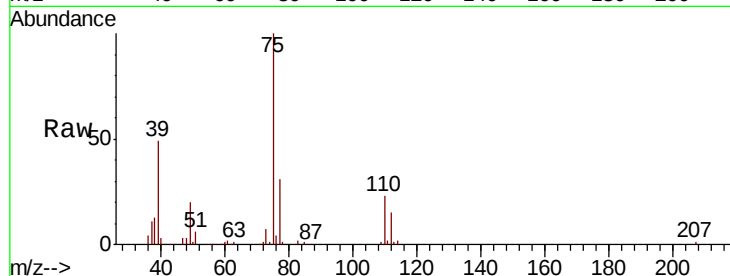
VSTDCCC050EC

Tot Ion: 75 Resp: 176523

Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 48.867 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

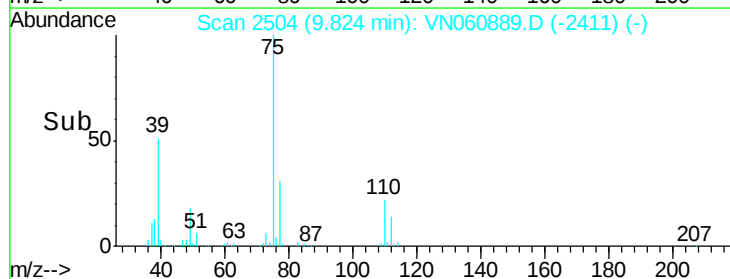
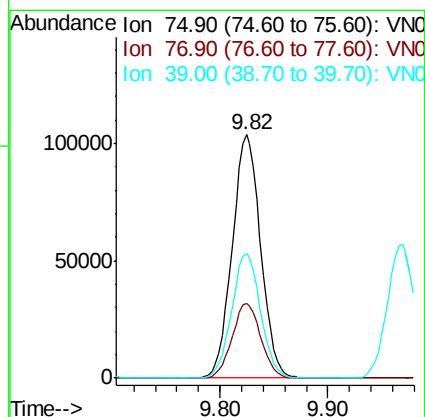
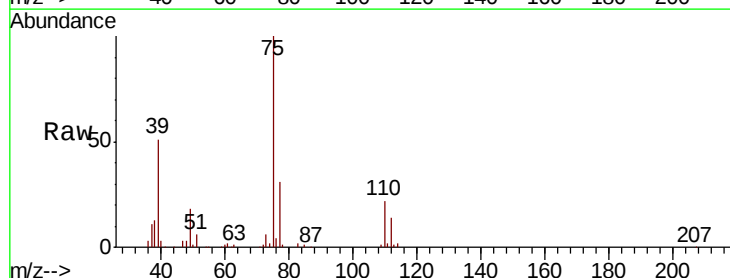
Tgt Ion: 75 Resp: 190469

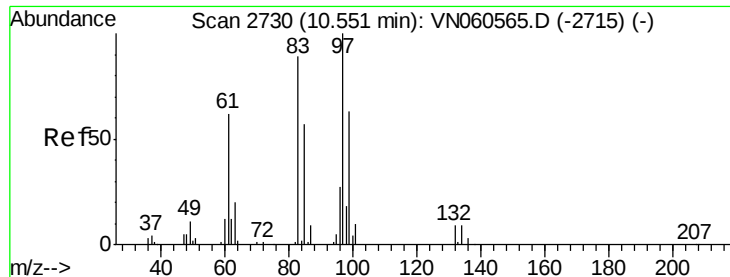
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 51.3 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 49.547 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 107412

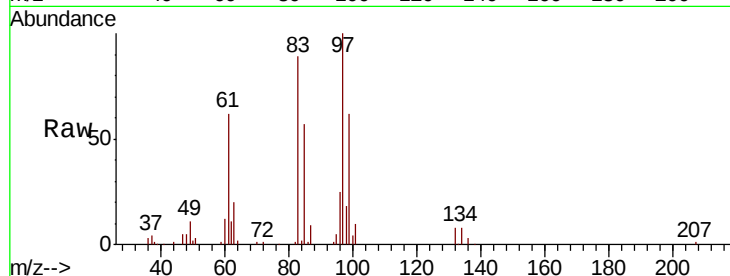
Ion Ratio Lower Upper

97 100

83 89.0 71.3 106.9

85 57.1 45.2 67.8

99 61.5 50.1 75.1

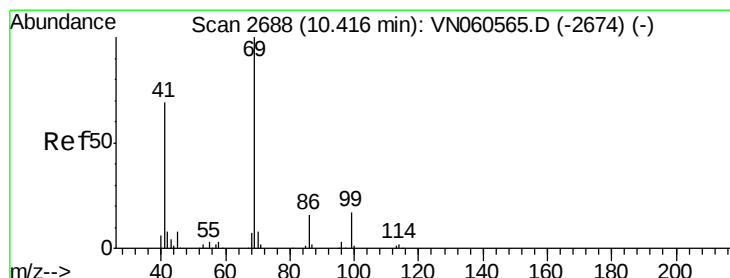
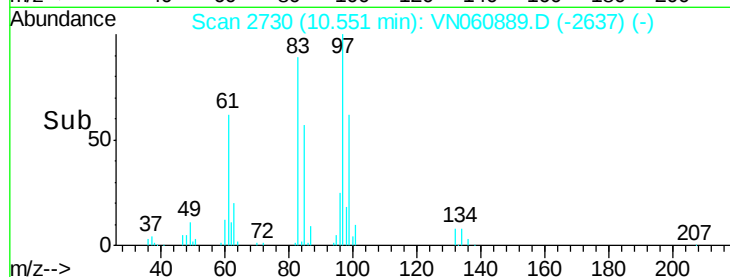
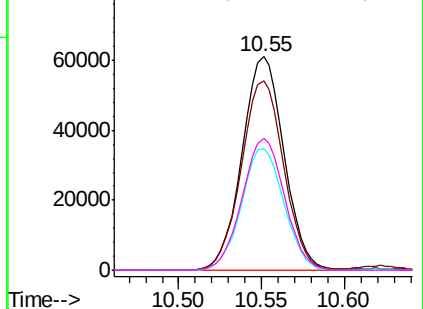


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 50.569 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

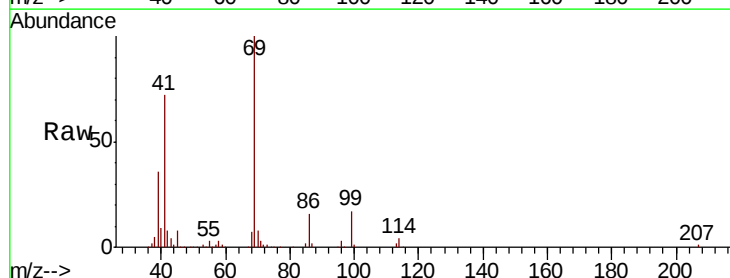
Tgt Ion: 69 Resp: 170933

Ion Ratio Lower Upper

69 100

41 70.2 55.4 83.2

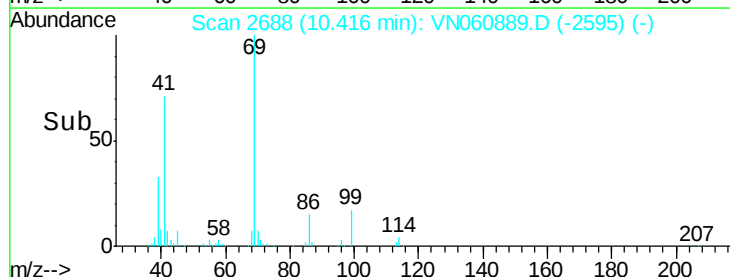
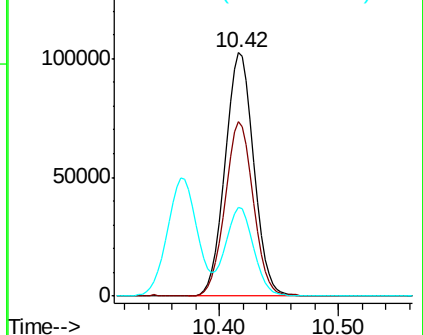
39 36.0 29.4 44.0



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: 49.725 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

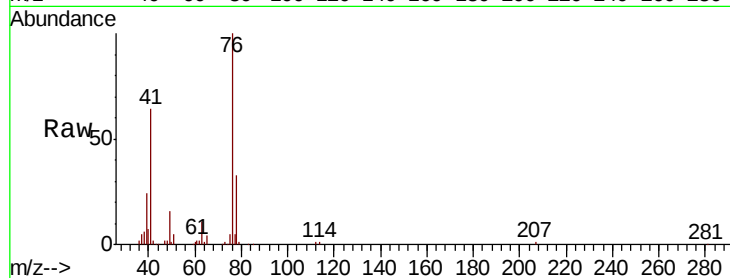
VSTDCCC050EC

Tot Ion: 76 Resp: 187062

Ion Ratio Lower Upper

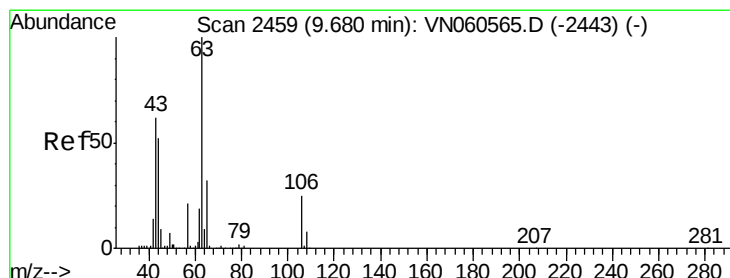
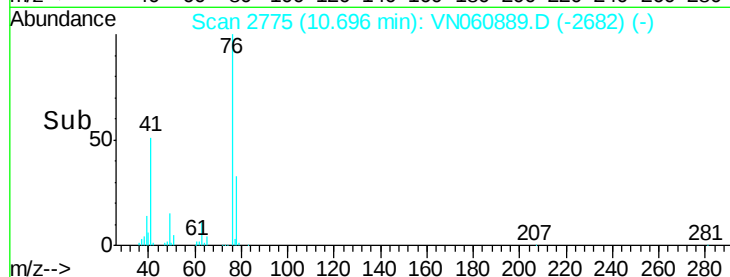
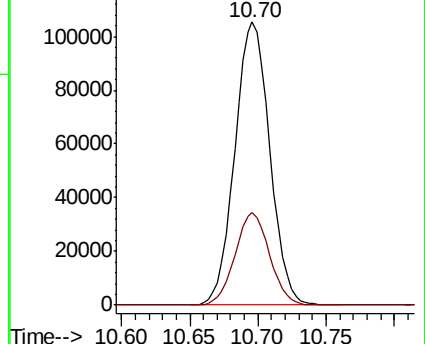
76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060889.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060889.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 231.790 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060889.D

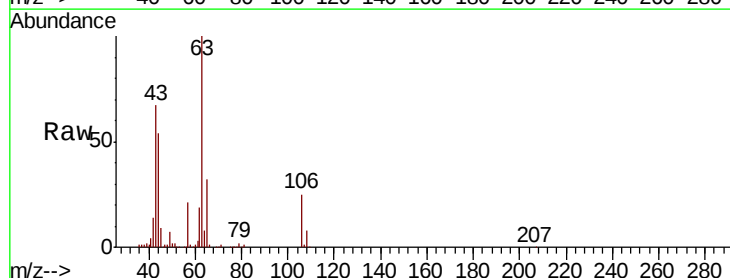
Acq: 7 Apr 2020 19:50

Tgt Ion: 63 Resp: 389408

Ion Ratio Lower Upper

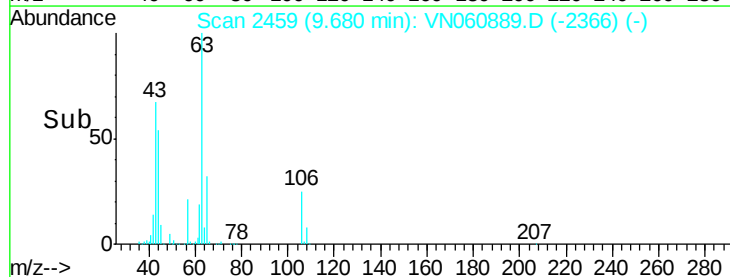
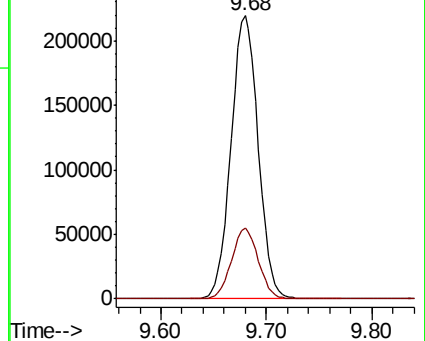
63 100

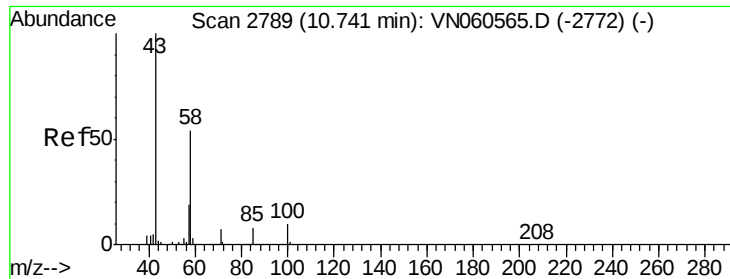
106 24.7 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060889.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060889.D (-2366) (-)

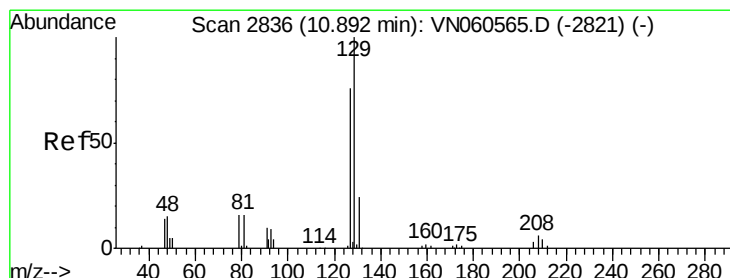
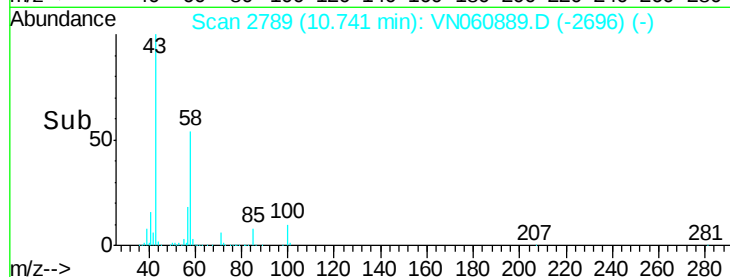
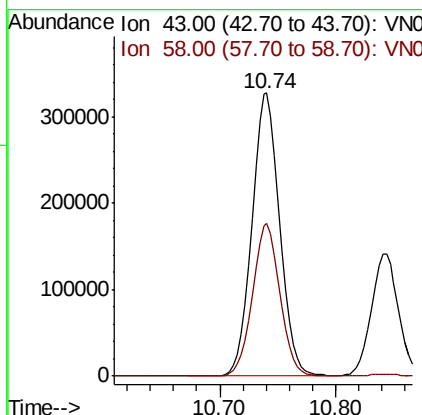
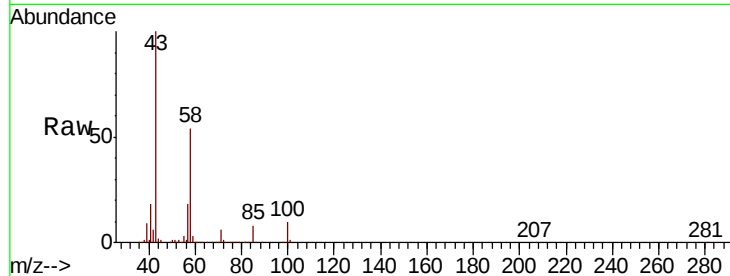




#59
2-Hexanone
Concen: 242.415 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

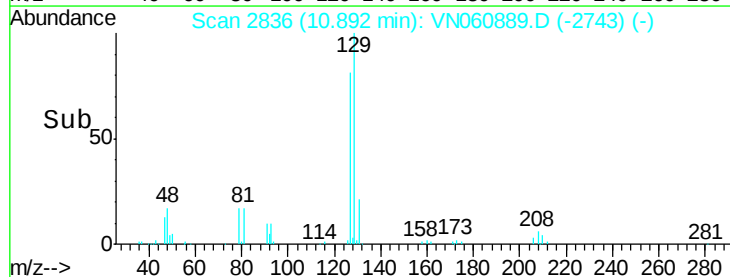
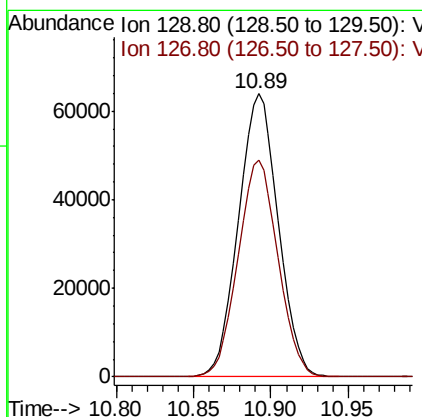
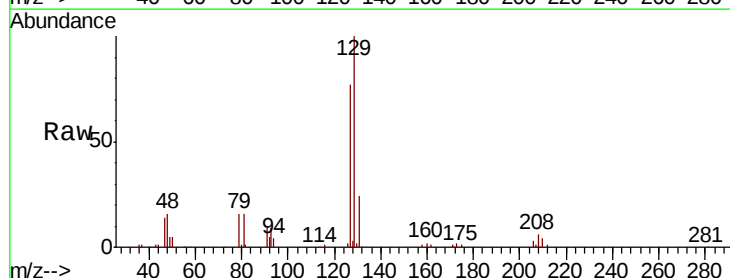
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

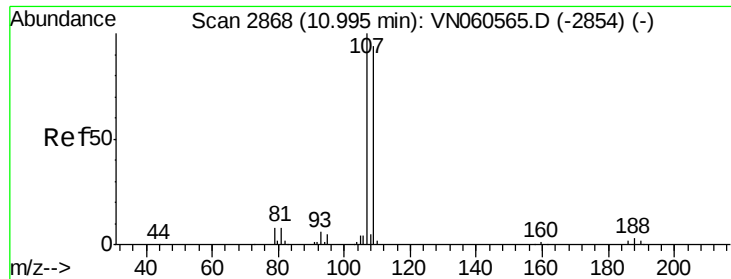
Tot Ion: 43 Resp: 547312
Ion Ratio Lower Upper
43 100
58 53.4 26.7 80.1



#60
Dibromochloromethane
Concen: 50.949 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Tgt Ion: 129 Resp: 114090
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5

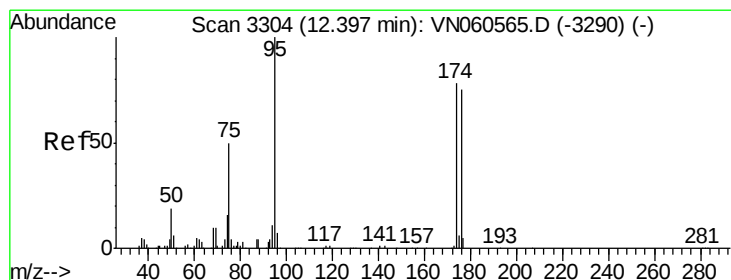
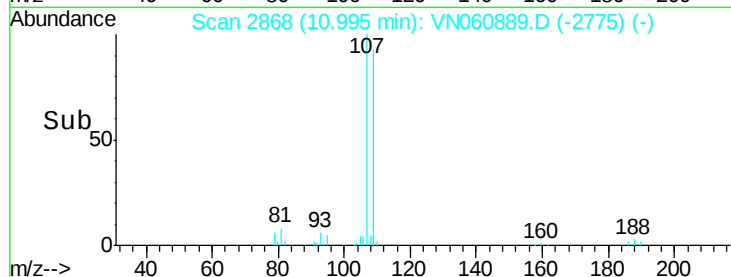
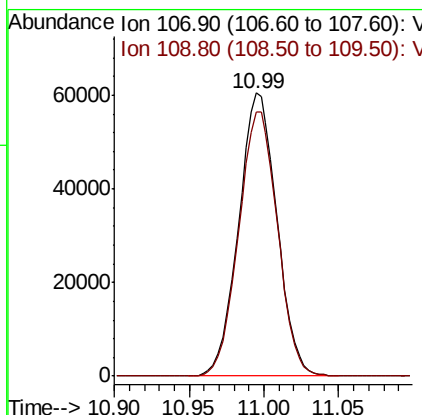
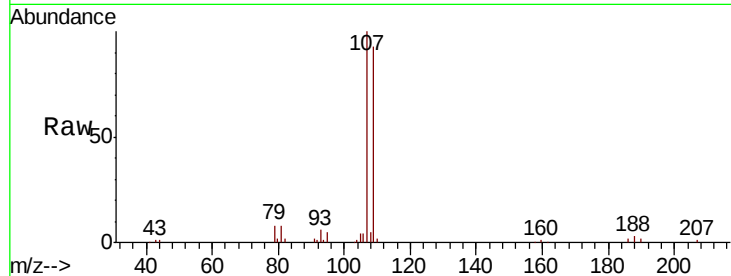




#61
 1,2-Dibromoethane
 Concen: 49.314 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

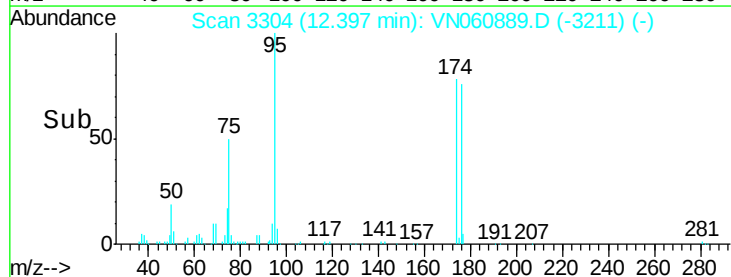
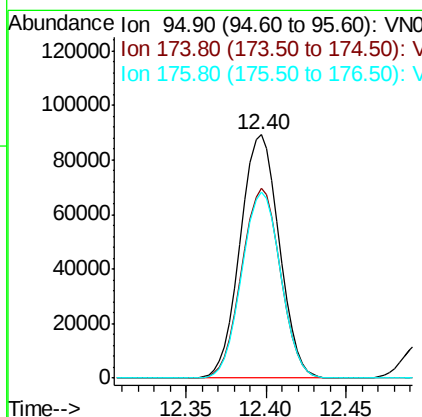
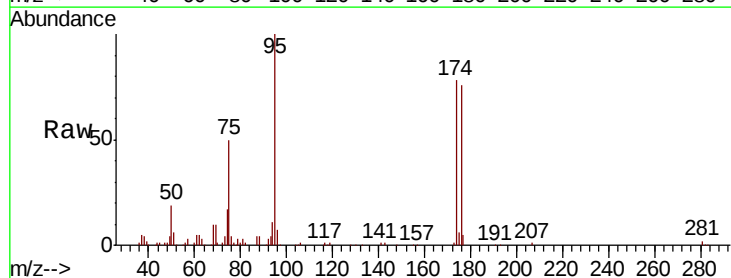
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 107500
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.317 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Tgt Ion: 95 Resp: 148270
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 157.6
 176 76.3 0.0 150.6

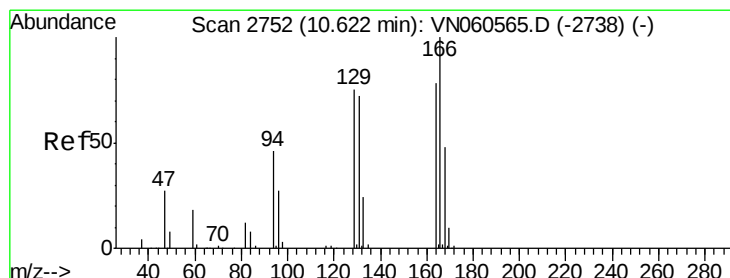
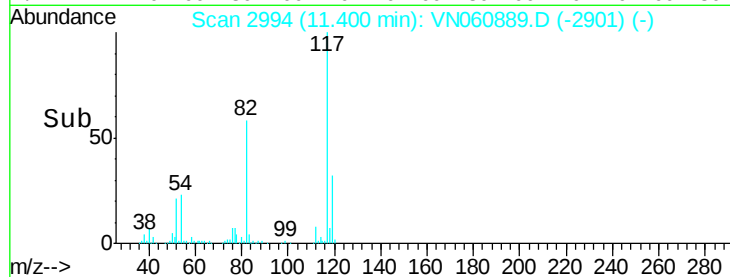
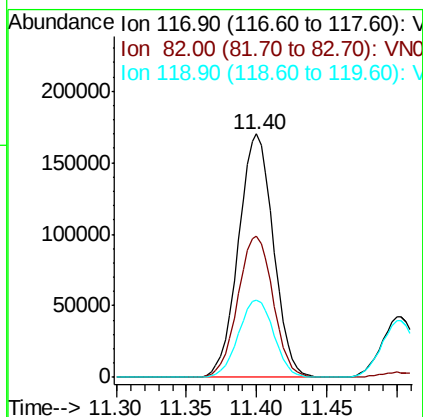
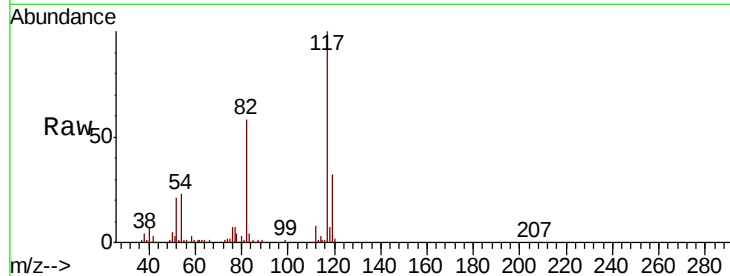




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

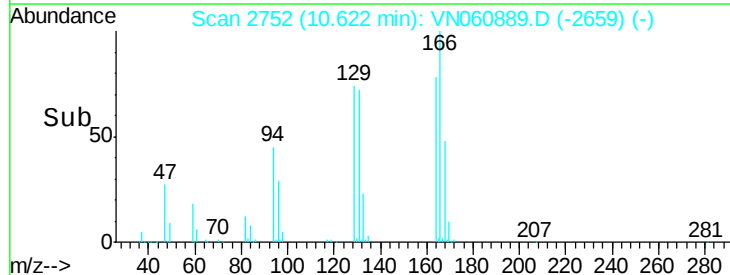
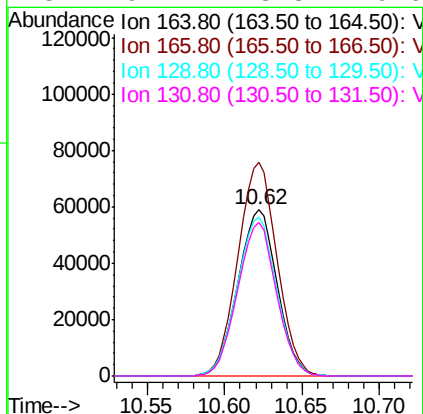
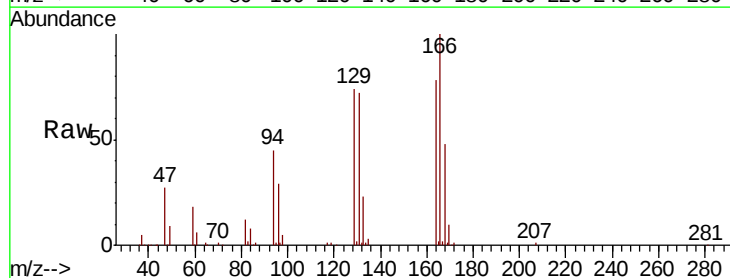
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 294779
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 45.107 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Tgt Ion:164 Resp: 104633
Ion Ratio Lower Upper
164 100
166 128.5 102.7 154.1
129 95.1 77.2 115.8
131 92.2 73.8 110.6

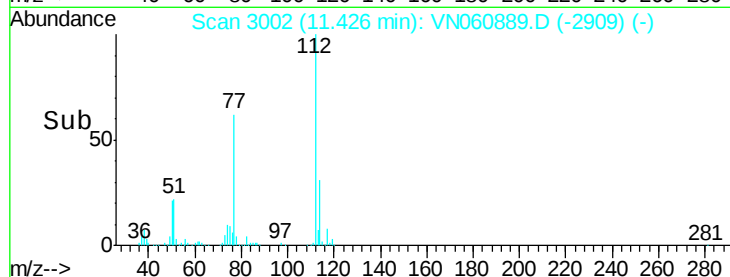
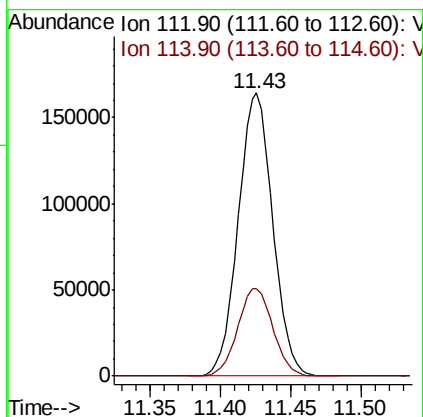
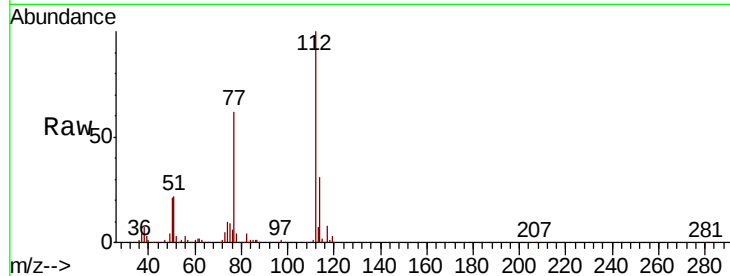




#65
Chlorobenzene
Concen: 48.125 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

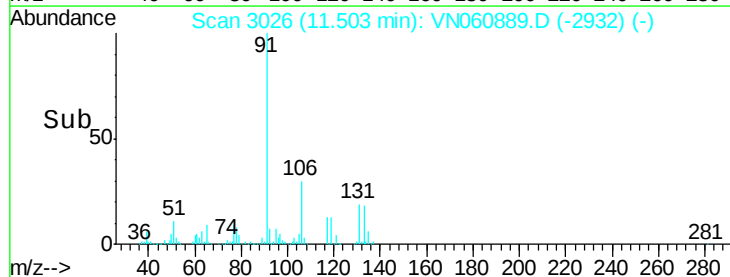
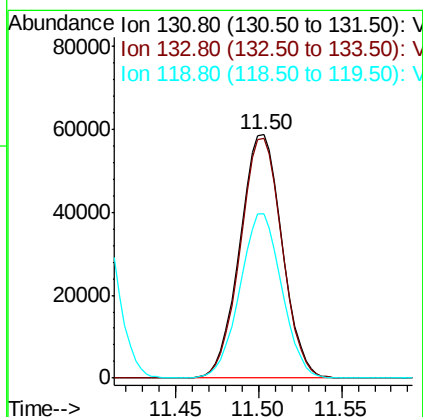
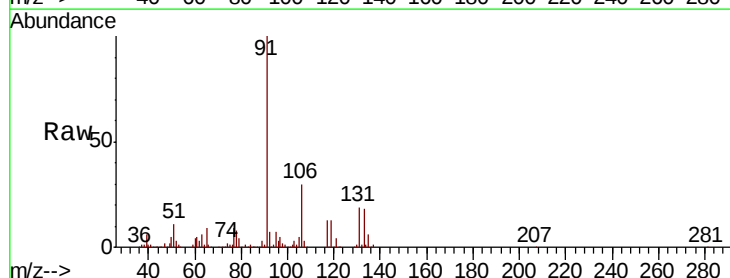
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 281230
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.378 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Tgt Ion:131 Resp: 104474
Ion Ratio Lower Upper
131 100
133 97.3 48.9 146.8
119 66.7 33.9 101.7





#67

Ethyl Benzene

Concen: 48.749 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

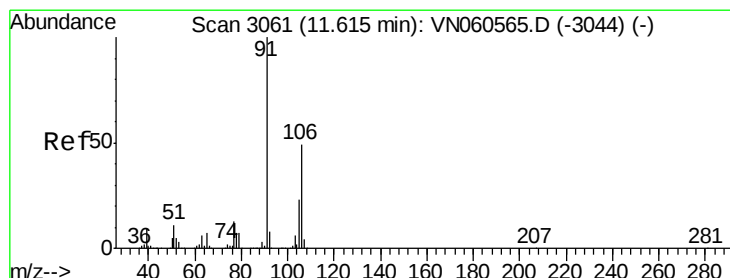
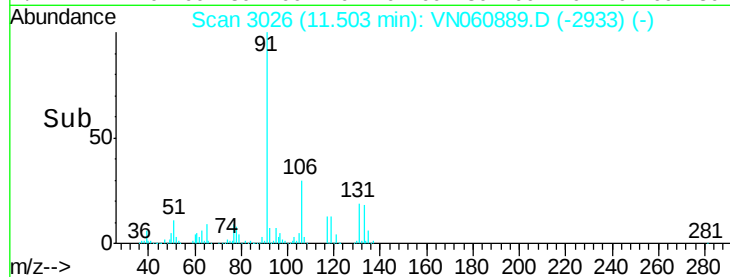
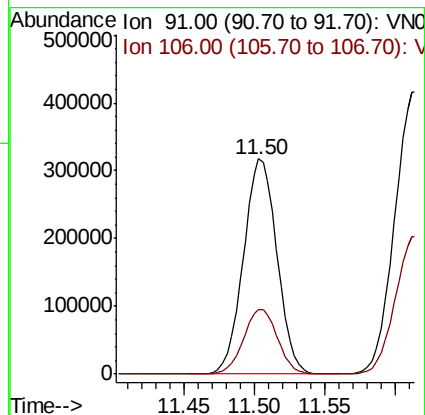
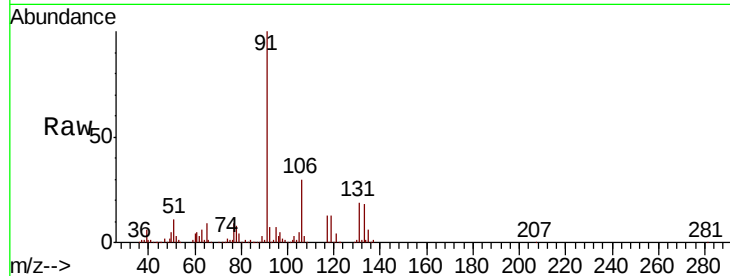
VSTDCCC050EC

Tot Ion: 91 Resp: 529765

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.2



#68

m/p-Xylenes

Concen: 96.356 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060889.D

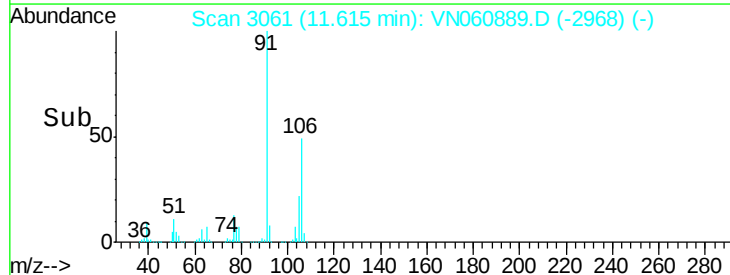
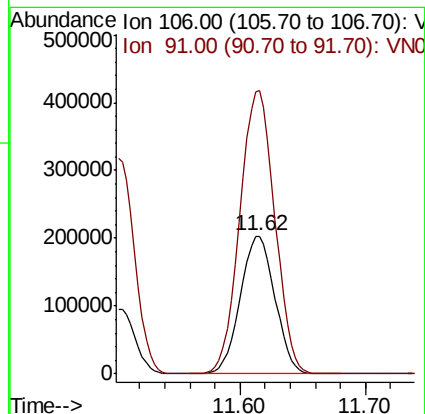
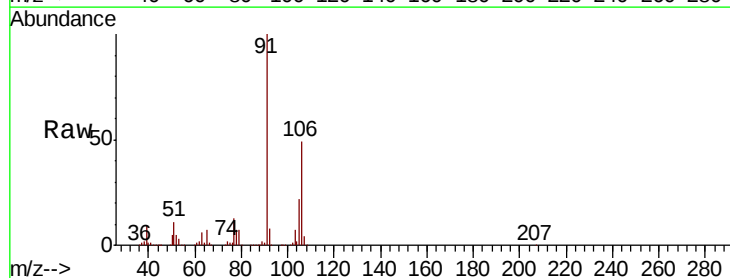
Acq: 7 Apr 2020 19:50

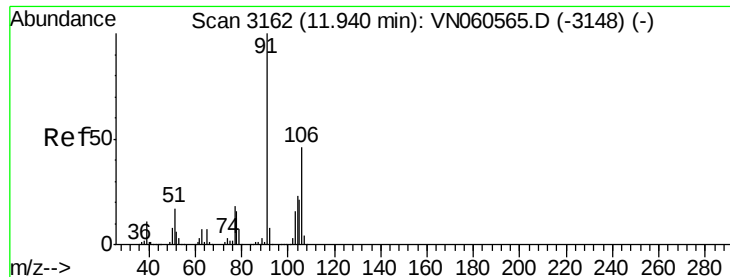
Tgt Ion: 106 Resp: 389118

Ion Ratio Lower Upper

106 100

91 207.3 165.0 247.4

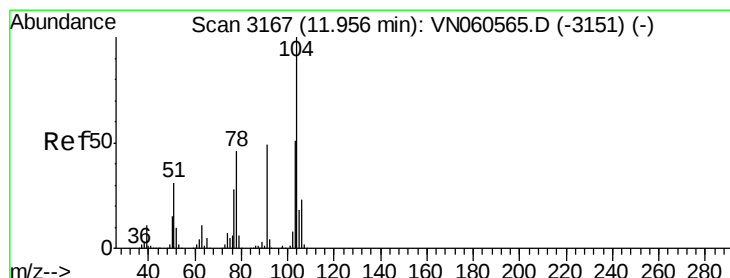
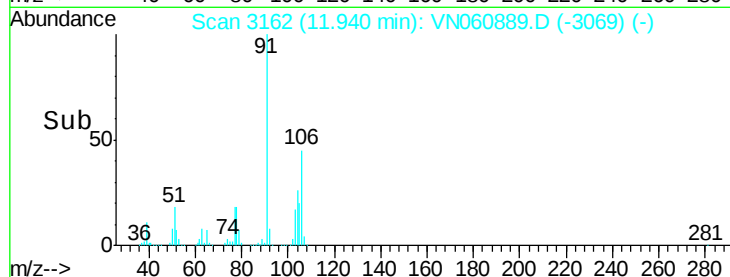
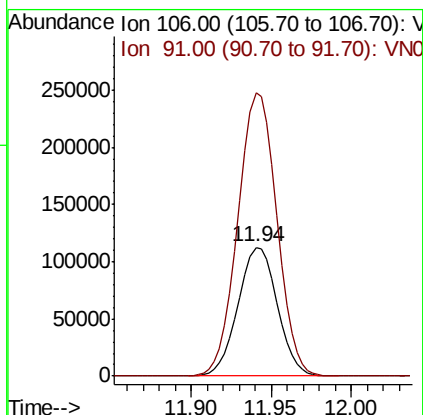
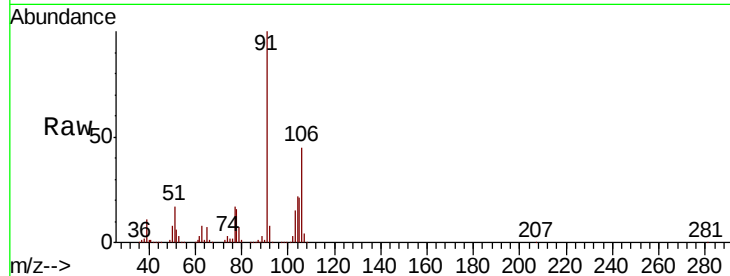




#69
o-Xylene
Concen: 48.796 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

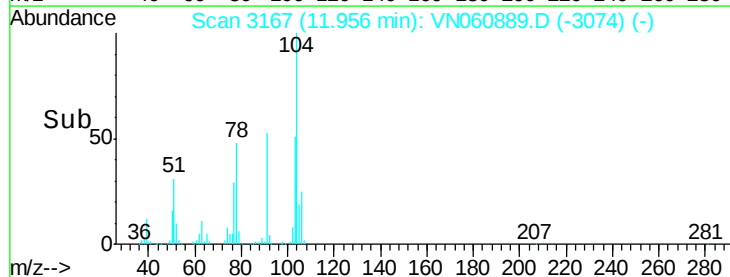
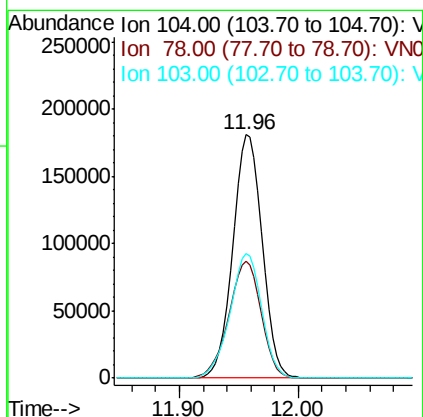
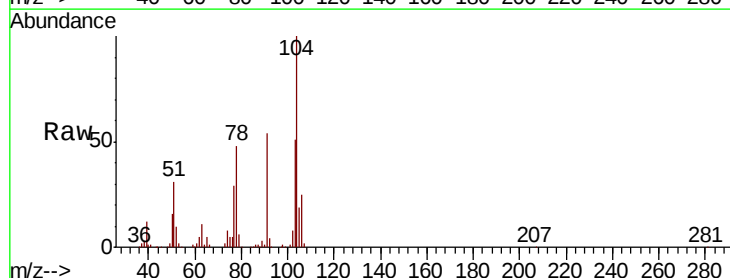
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

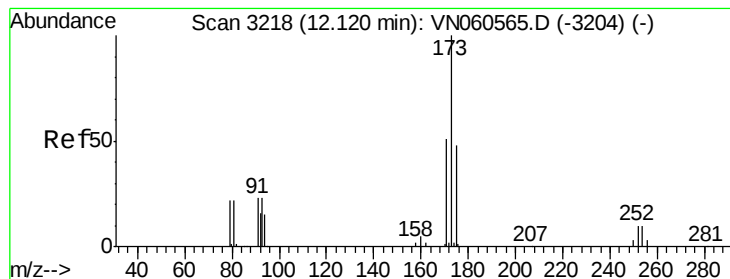
Tot Ion:106 Resp: 188113
Ion Ratio Lower Upper
106 100
91 218.4 109.5 328.4



#70
Styrene
Concen: 49.242 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Tgt Ion:104 Resp: 310466
Ion Ratio Lower Upper
104 100
78 52.7 41.2 61.8
103 54.9 44.0 66.0





#71

Bromoform

Concen: 46.595 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

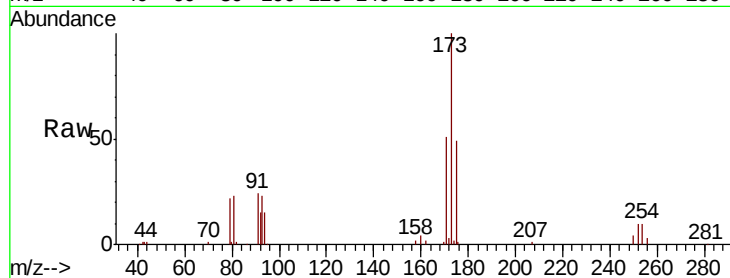
Tot Ion:173 Resp: 81729

Ion Ratio Lower Upper

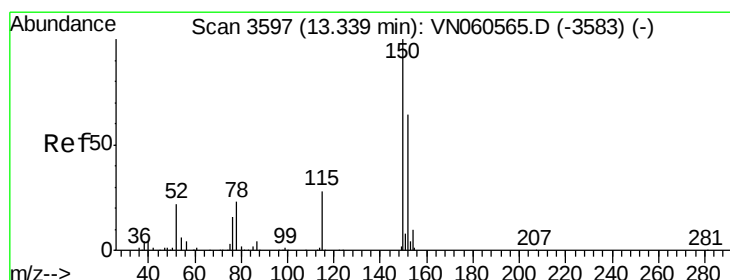
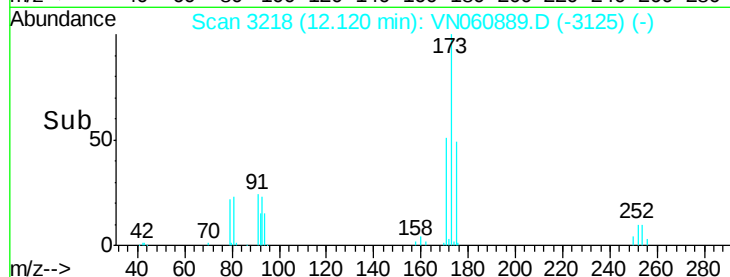
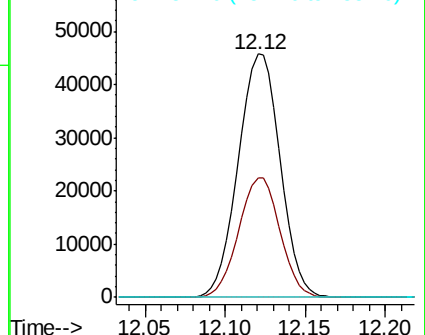
173 100

175 48.3 24.1 72.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

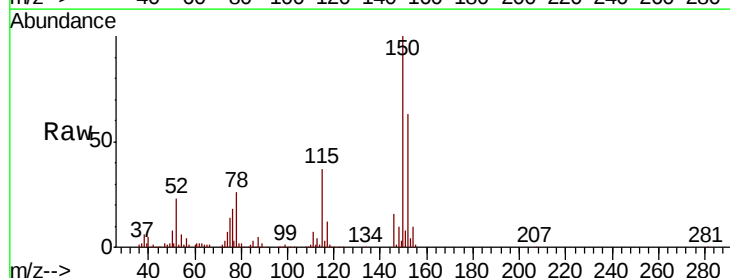
Tgt Ion:152 Resp: 143409

Ion Ratio Lower Upper

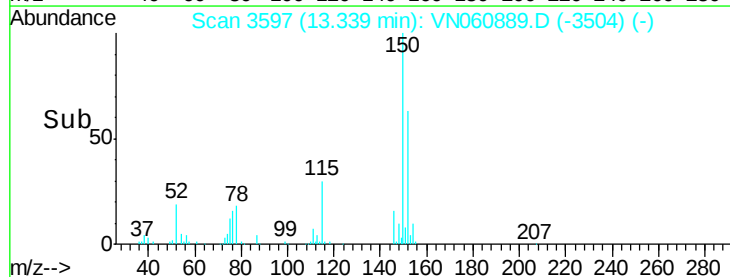
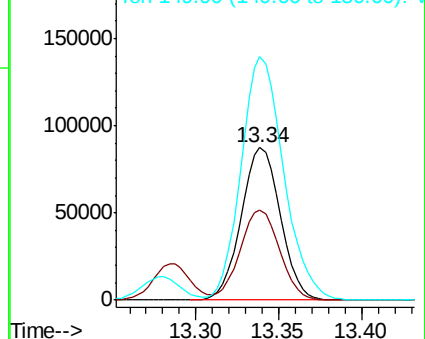
152 100

115 59.8 30.2 90.6

150 174.0 0.0 350.2



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





#73

Isopropylbenzene

Concen: 46.895 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

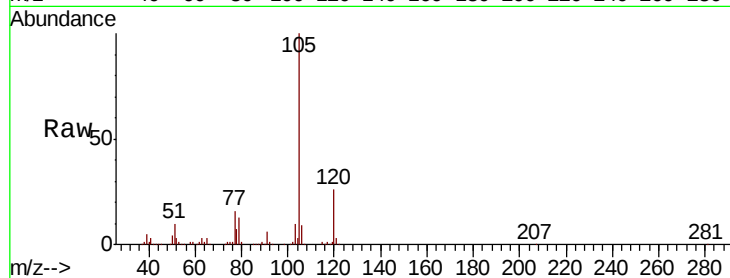
VSTDCCC050EC

Tot Ion:105 Resp: 504695

Ion Ratio Lower Upper

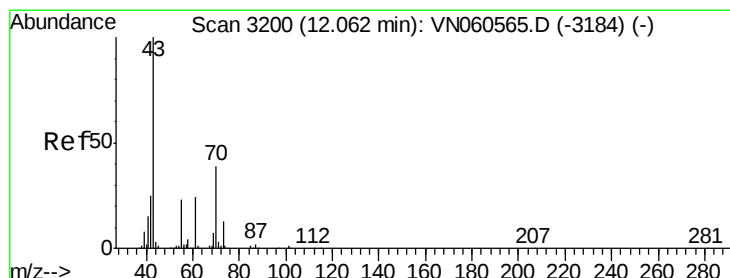
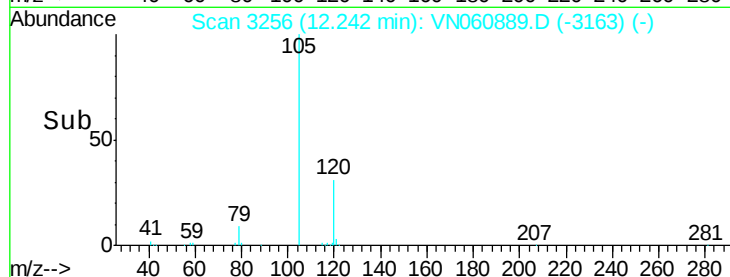
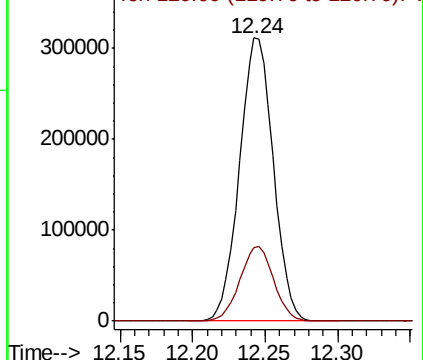
105 100

120 26.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.089 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Tgt Ion: 43 Resp: 229208

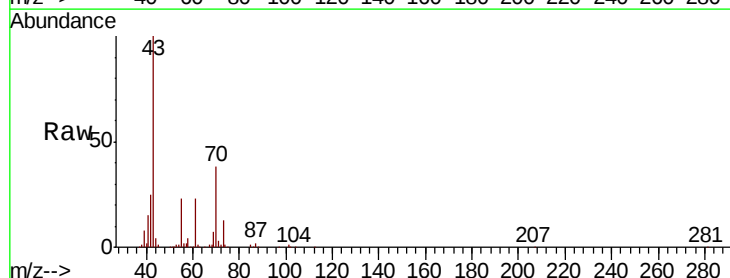
Ion Ratio Lower Upper

43 100

70 38.8 31.1 46.7

55 23.4 18.6 27.8

61 23.2 18.9 28.3

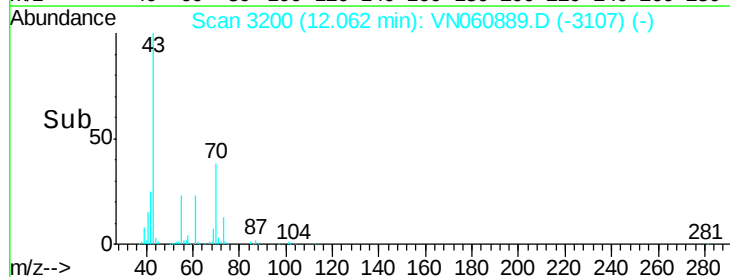
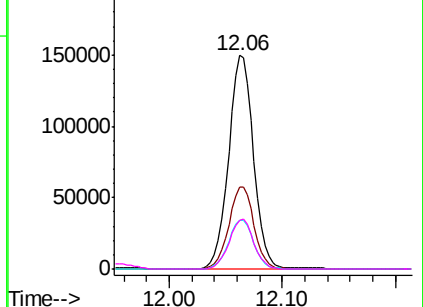


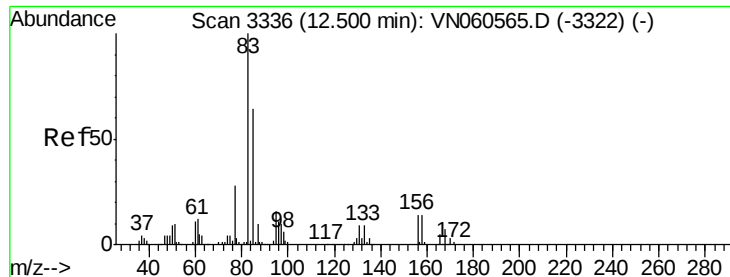
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.940 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

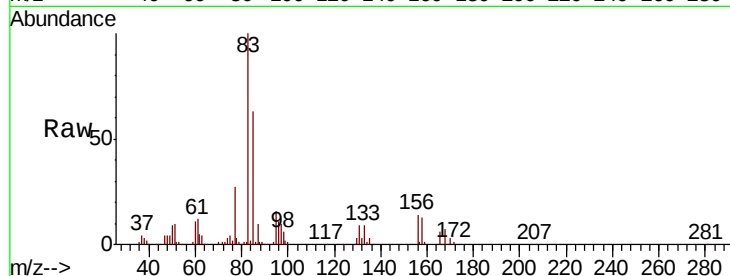
Tot Ion: 83 Resp: 156026

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

85 63.8 32.5 97.4



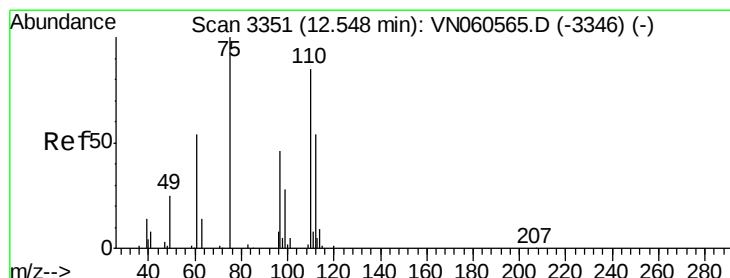
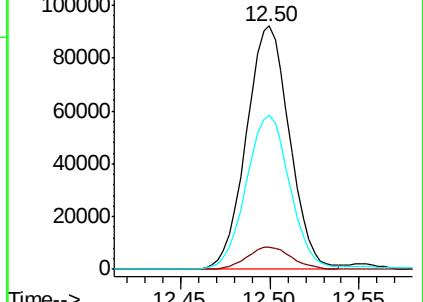
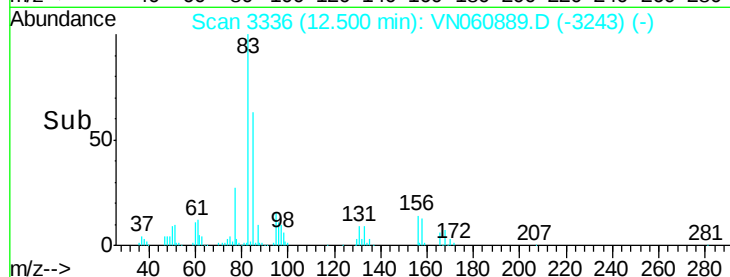
Abundance Ion 82.90 (82.60 to 83.60): VN060889.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060889.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060889.D (-3243) (-)

12.50

12.55



#76

1,2,3-Trichloropropane

Concen: 67.259 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060889.D

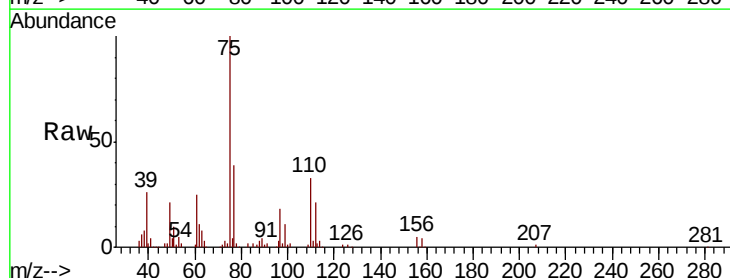
Acq: 7 Apr 2020 19:50

Tgt Ion: 75 Resp: 208132

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

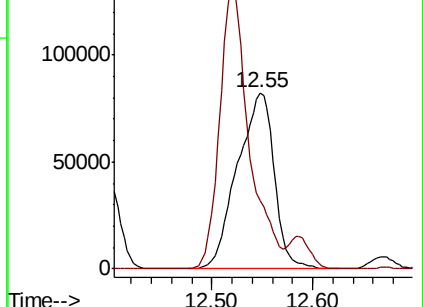
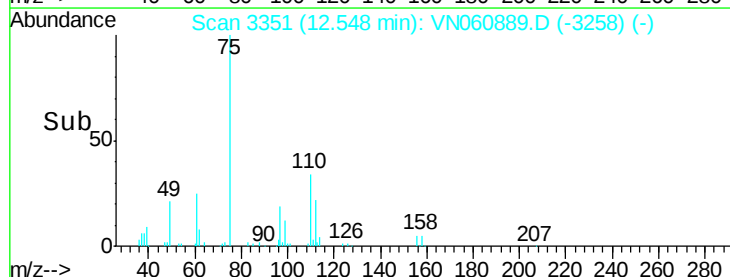


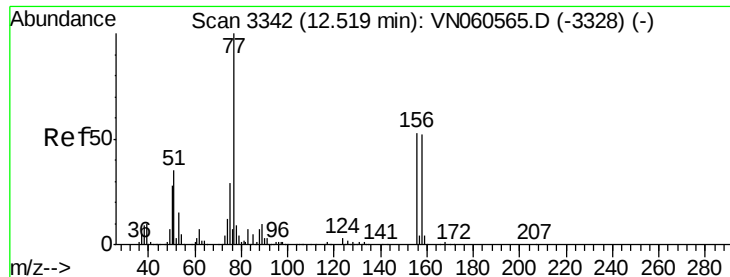
Abundance Ion 74.90 (74.60 to 75.60): VN060889.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060889.D (-3258) (-)

12.55

12.60





#77

Bromobenzene

Concen: 46.975 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

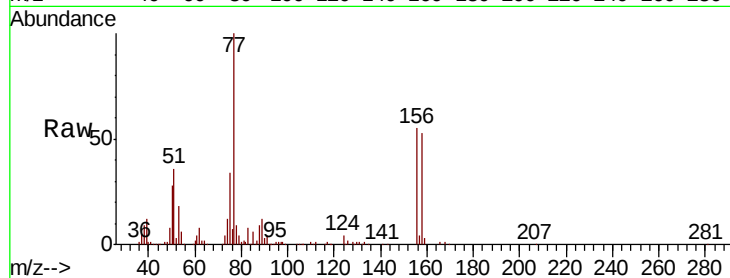
Tot Ion:156 Resp: 121823

Ion Ratio Lower Upper

156 100

77 221.0 112.3 337.0

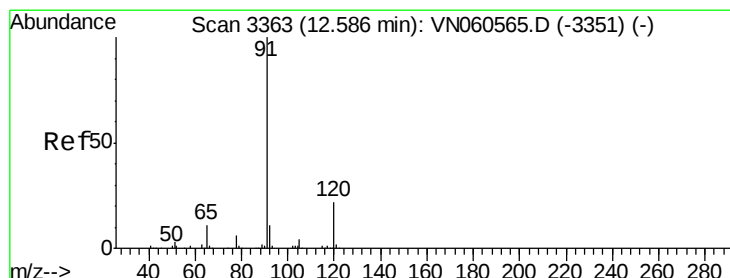
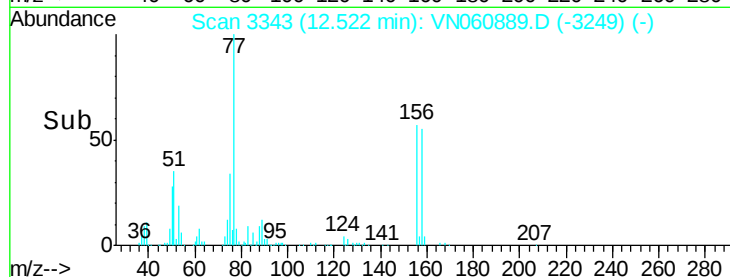
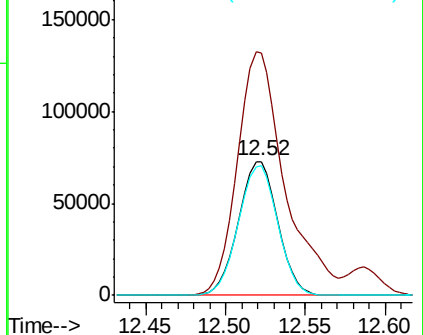
158 97.1 48.6 145.8



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: 47.462 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060889.D

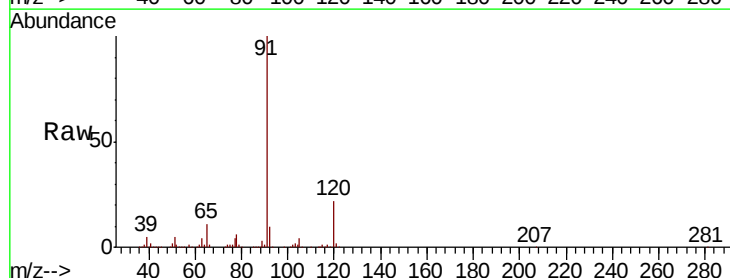
Acq: 7 Apr 2020 19:50

Tgt Ion: 91 Resp: 603472

Ion Ratio Lower Upper

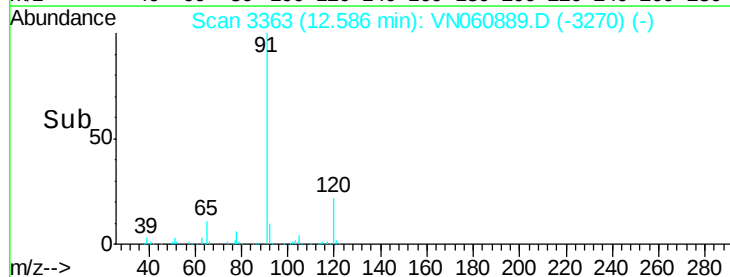
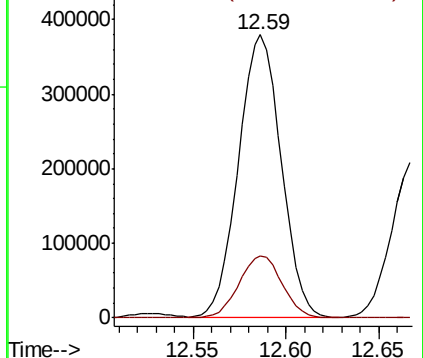
91 100

120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.348 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

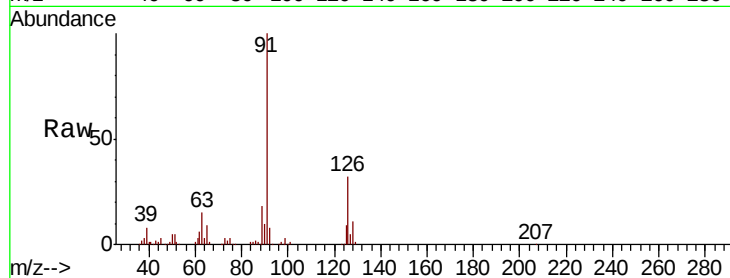
VSTDCCC050EC

Tot Ion: 91 Resp: 352117

Ion Ratio Lower Upper

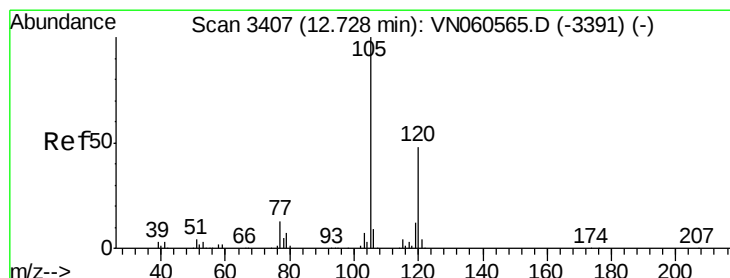
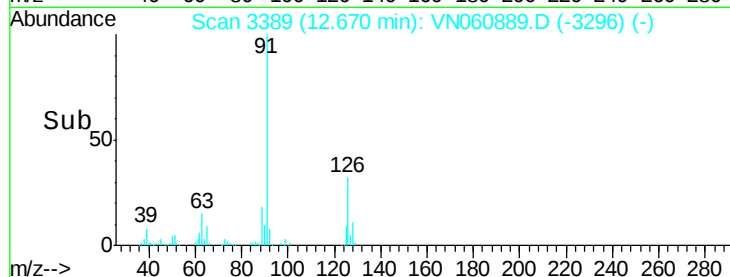
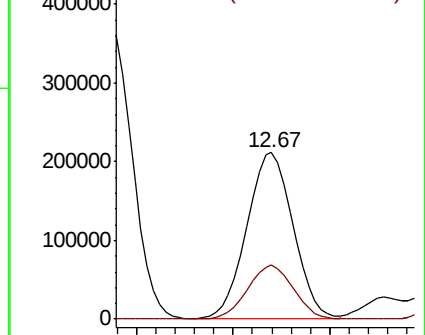
91 100

126 32.3 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060889.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060889.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.877 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060889.D

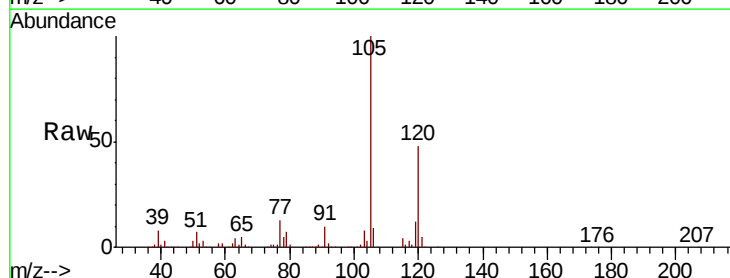
Acq: 7 Apr 2020 19:50

Tgt Ion: 105 Resp: 428136

Ion Ratio Lower Upper

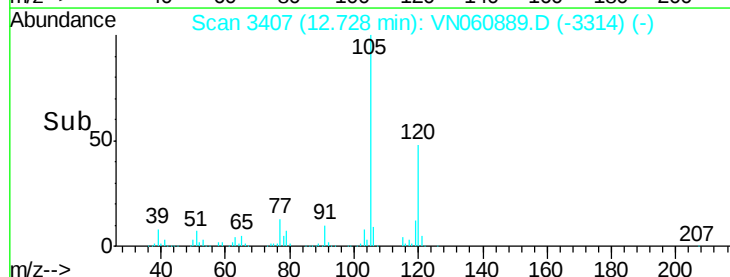
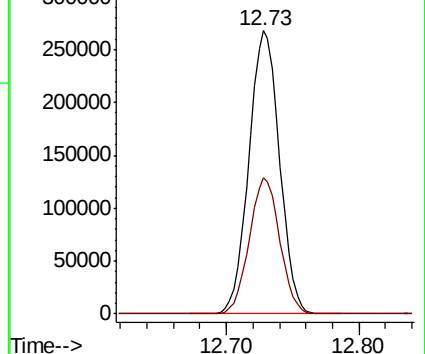
105 100

120 47.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060889.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060889.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.305 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

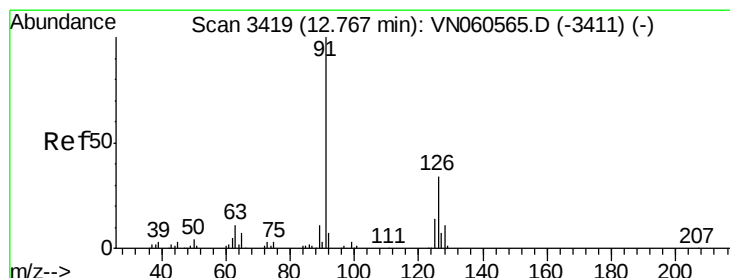
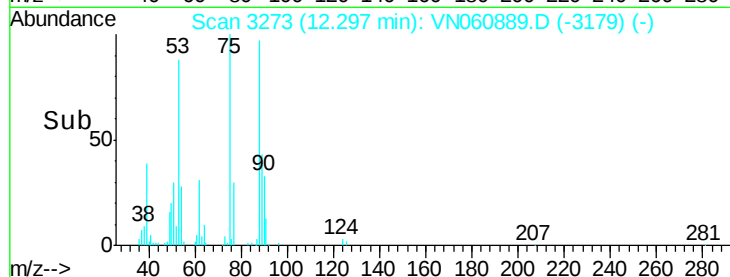
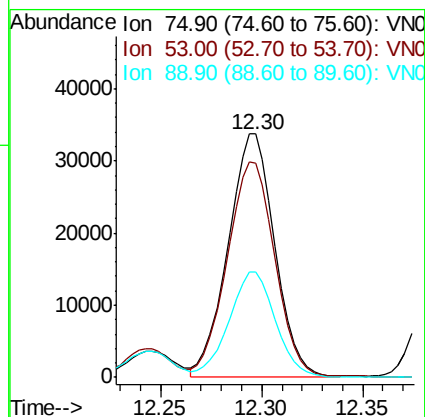
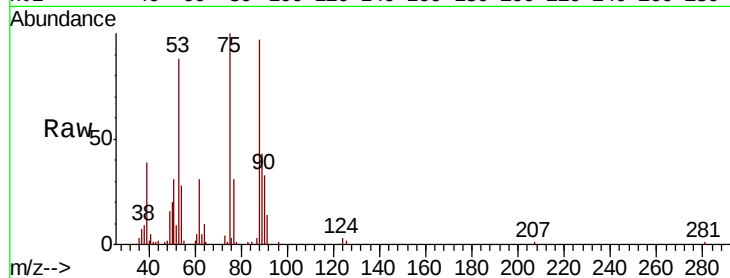
Tot Ion: 75 Resp: 54587

Ion	Ratio	Lower	Upper
75	100		
53	90.8	73.0	109.4
89	42.9	34.8	52.2

75 100

53 90.8 73.0 109.4

89 42.9 34.8 52.2



#82

4-Chlorotoluene

Concen: 47.314 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060889.D

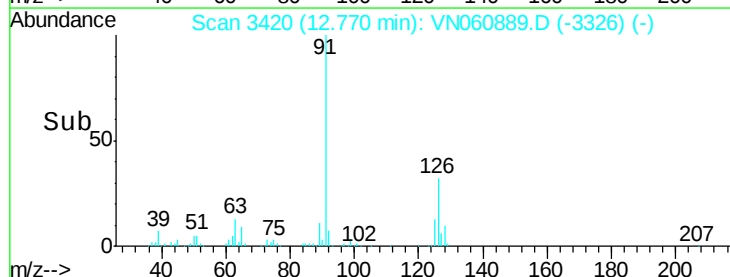
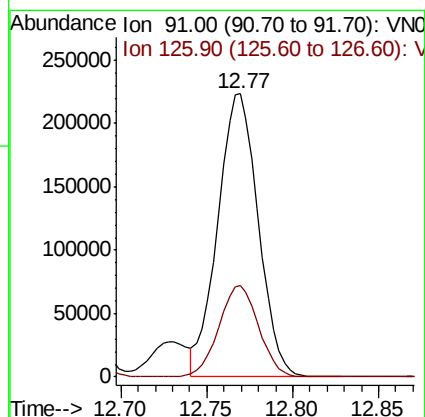
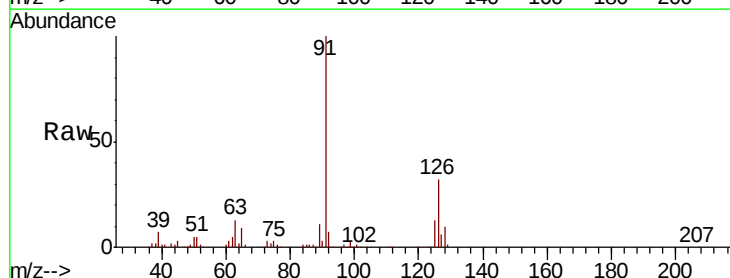
Acq: 7 Apr 2020 19:50

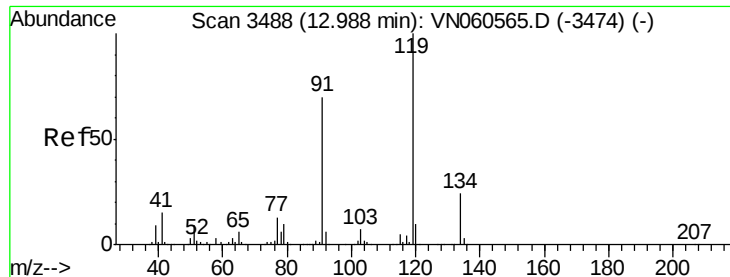
Tgt Ion: 91 Resp: 366100

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5

91 100

126 32.0 16.2 48.5

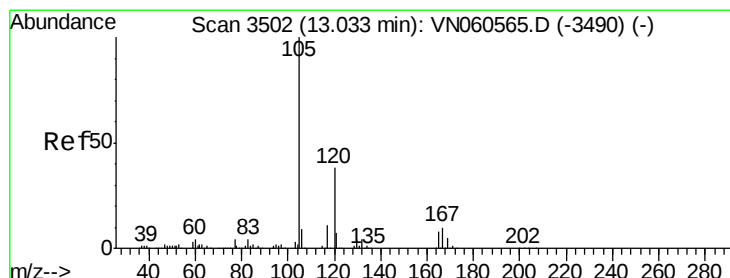
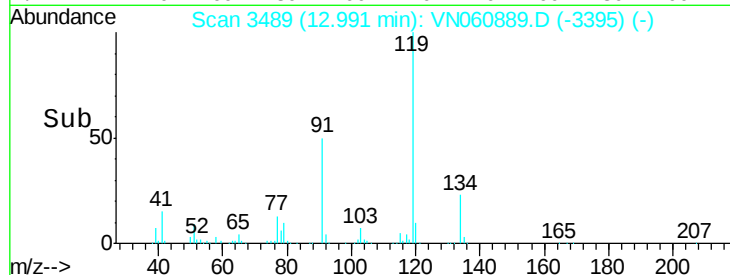
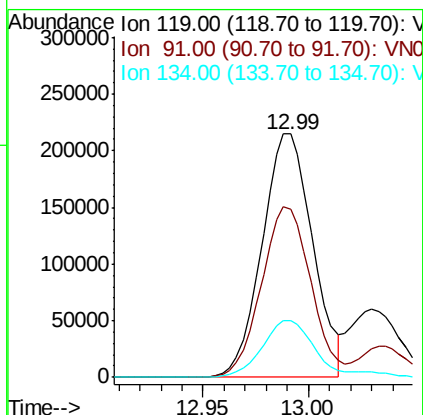
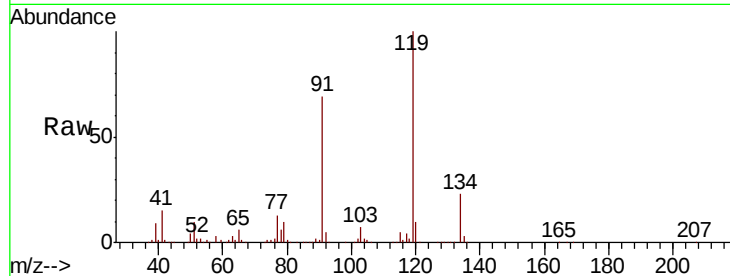




#83
 tert-Butylbenzene
 Concen: 47.378 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

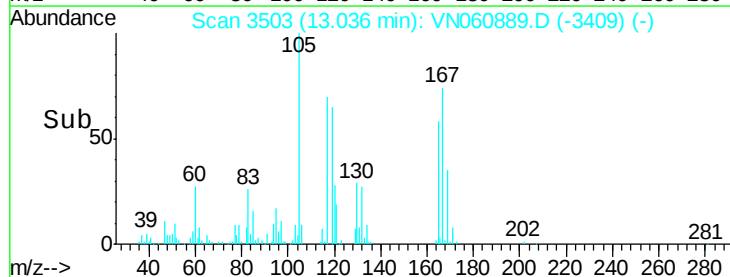
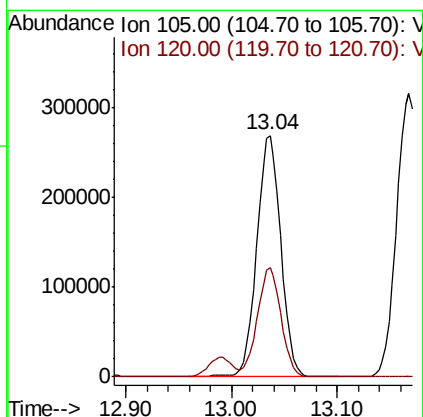
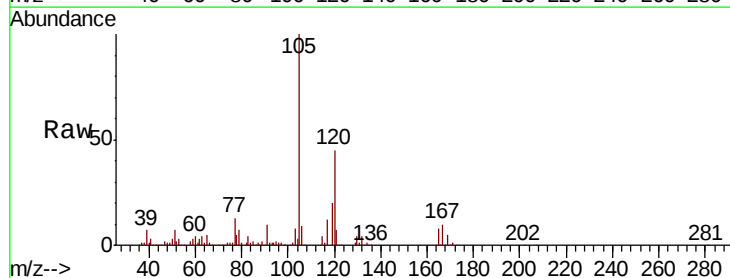
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 358703
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.0 101.8
 134 25.2 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 47.282 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Tgt Ion:105 Resp: 427216
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 49.073 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

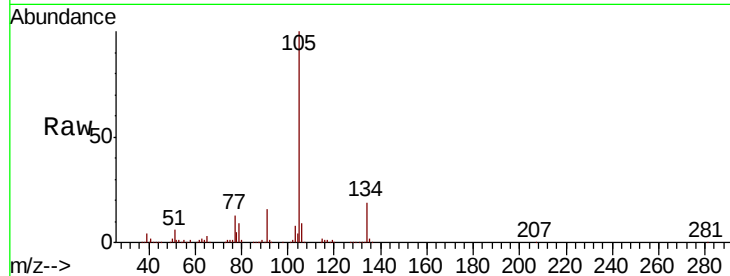
VSTDCCC050EC

Tot Ion:105 Resp: 499607

Ion Ratio Lower Upper

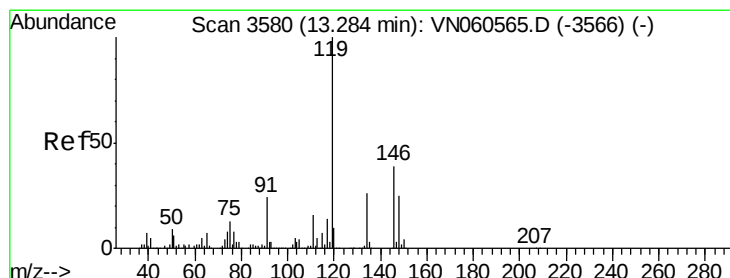
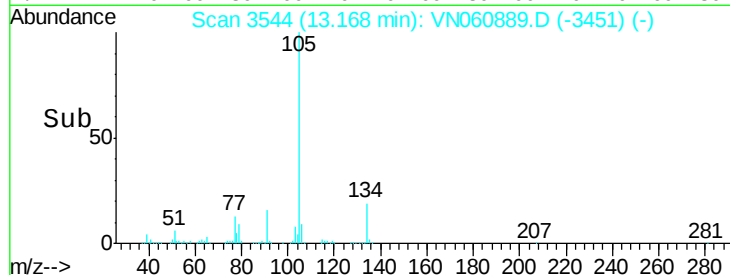
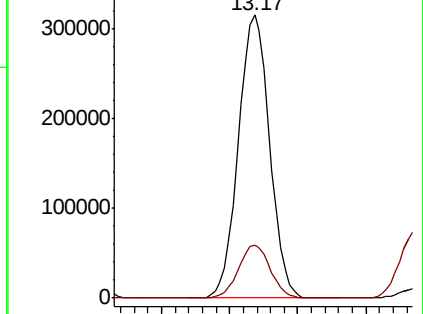
105 100

134 19.0 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.385 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

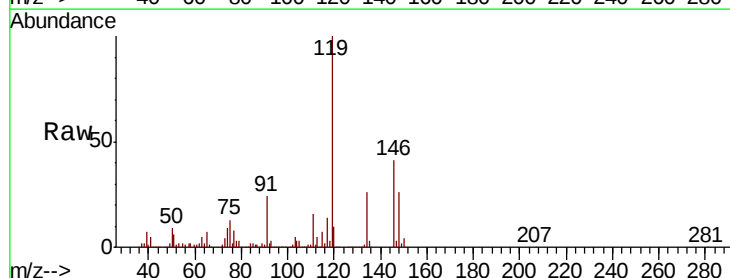
Tgt Ion:119 Resp: 442960

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

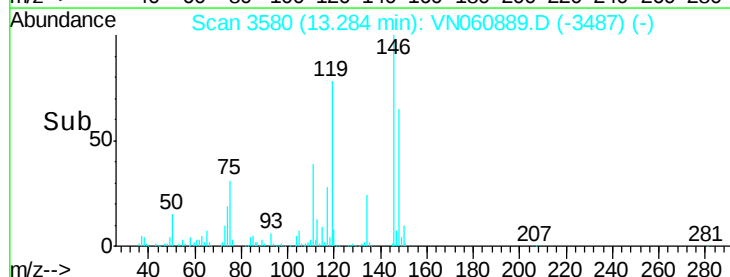
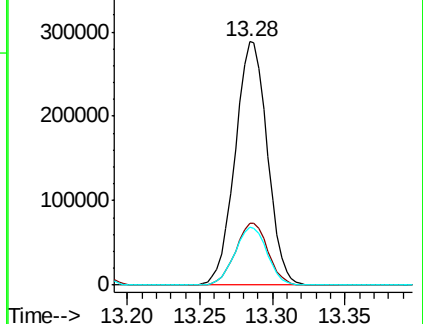
91 24.0 12.0 36.0

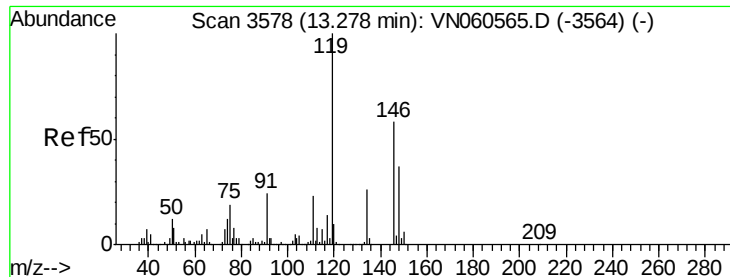


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.758 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

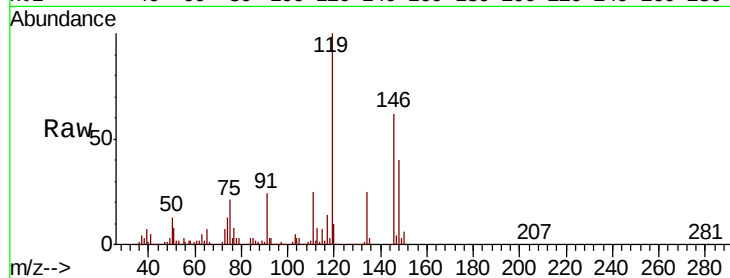
Tot Ion:146 Resp: 218440

Ion Ratio Lower Upper

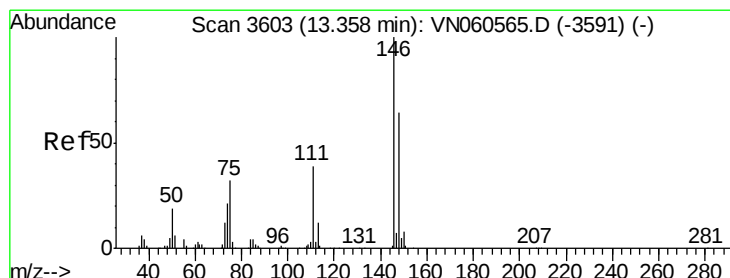
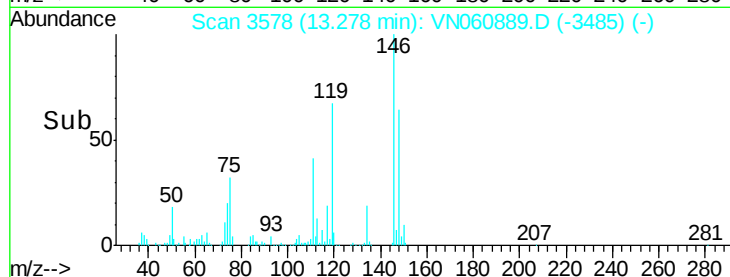
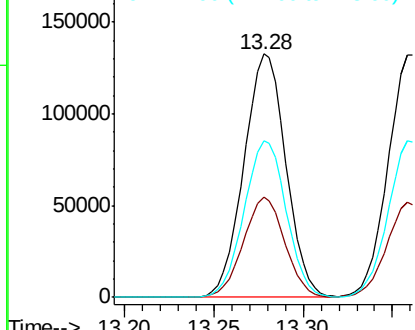
146 100

111 40.6 20.3 60.8

148 64.7 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.490 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

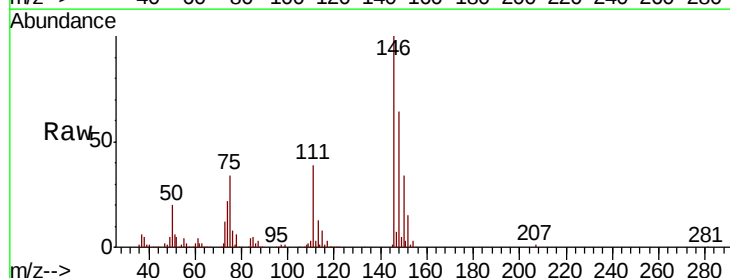
Tgt Ion:146 Resp: 218231

Ion Ratio Lower Upper

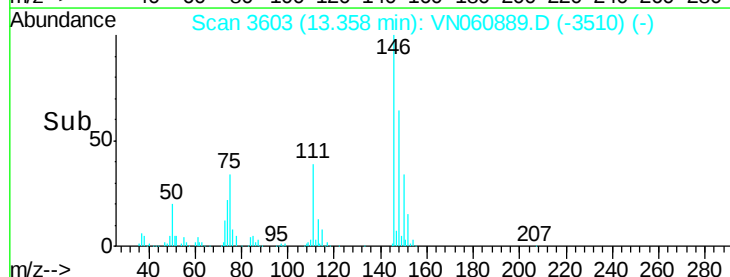
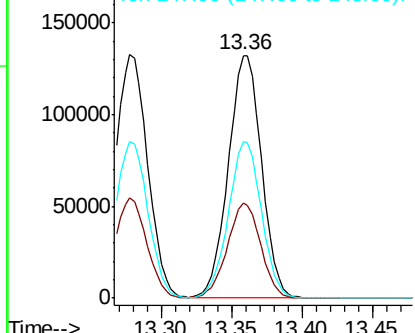
146 100

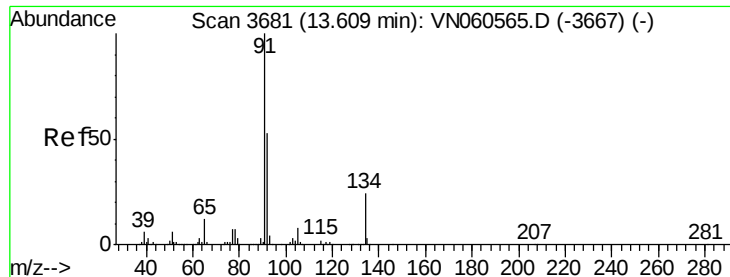
111 39.6 19.6 58.7

148 64.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

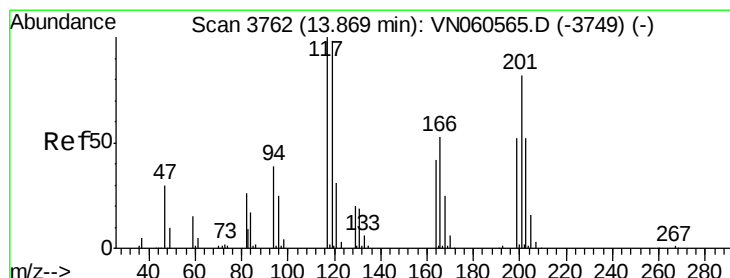
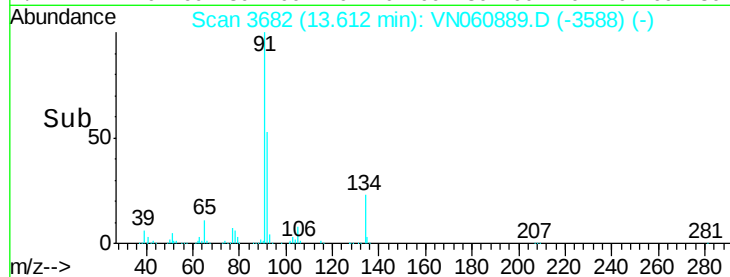
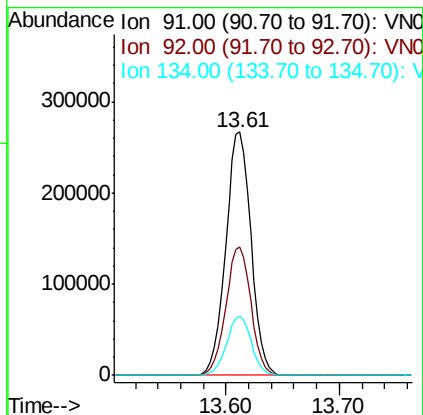
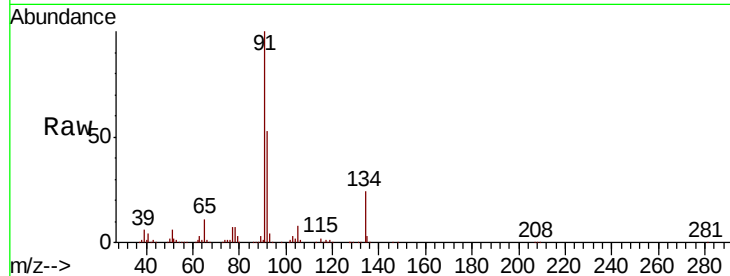




#89
n-Butylbenzene
Concen: 49.921 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

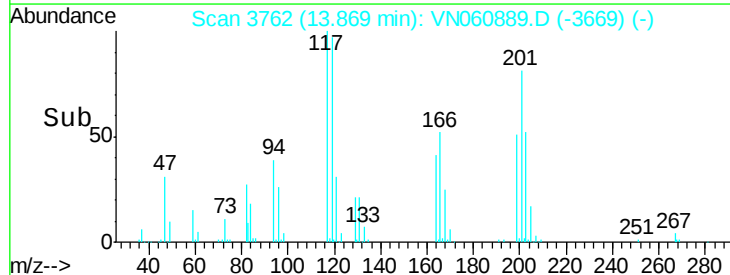
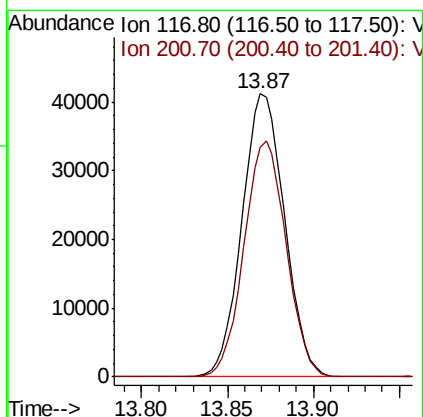
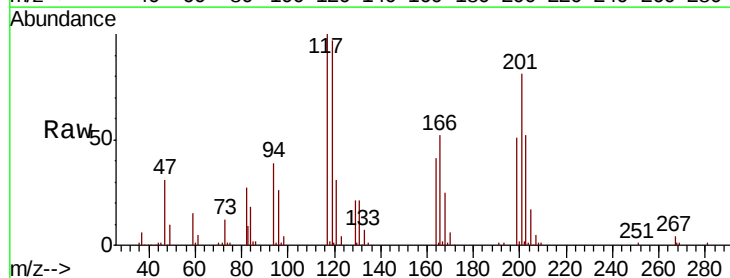
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 412626
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.5
134 24.0 12.3 36.9



#90
Hexachloroethane
Concen: 53.168 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060889.D
Acq: 7 Apr 2020 19:50

Tgt Ion: 117 Resp: 70753
Ion Ratio Lower Upper
117 100
201 82.2 40.8 122.5

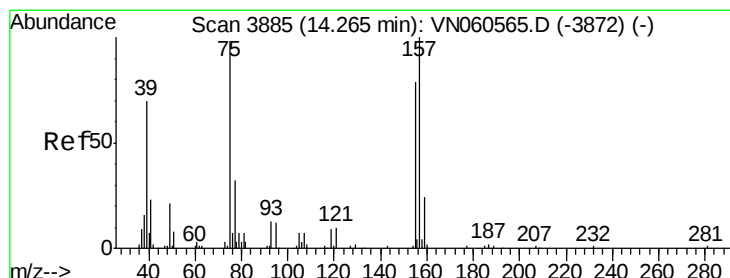
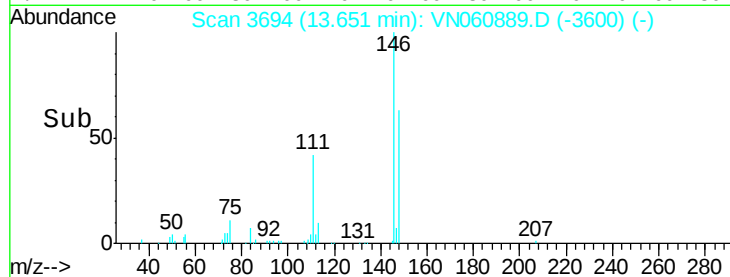
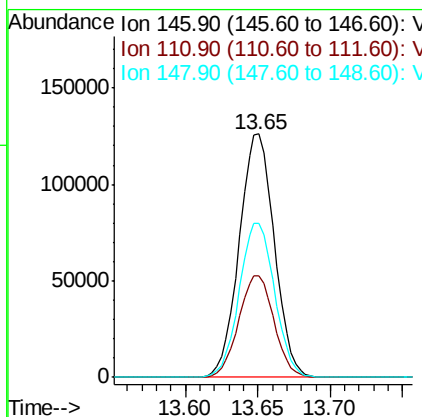
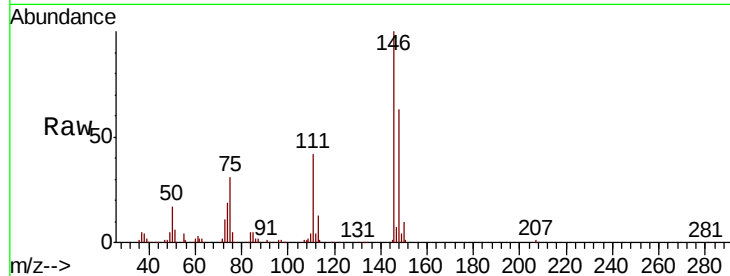




#91
 1,2-Dichlorobenzene
 Concen: 48.525 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

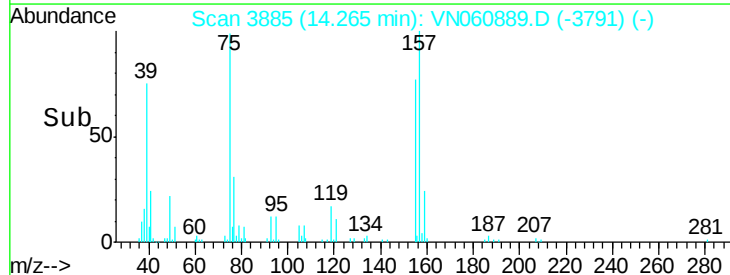
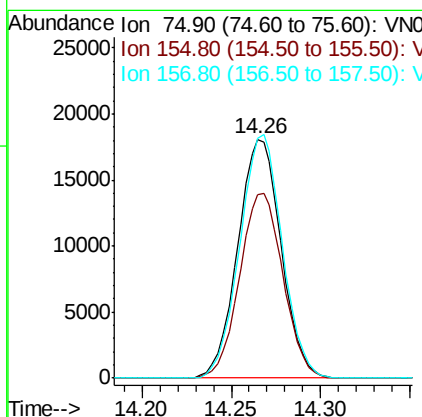
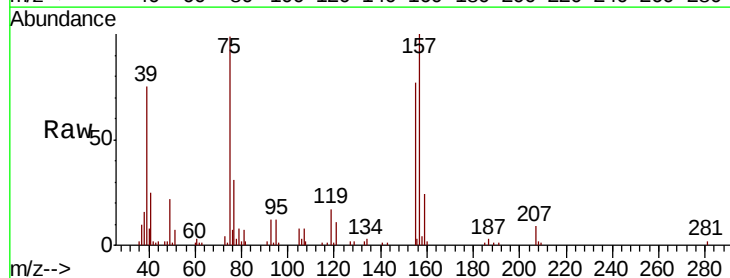
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

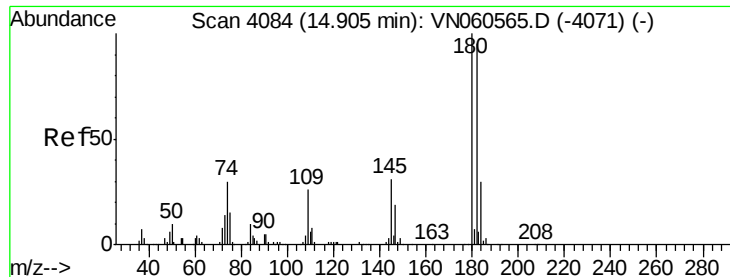
Tot Ion:146 Resp: 212224
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.0 63.0
 148 63.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.929 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Tgt Ion: 75 Resp: 30646
 Ion Ratio Lower Upper
 75 100
 155 77.3 40.7 122.1
 157 100.0 51.5 154.7

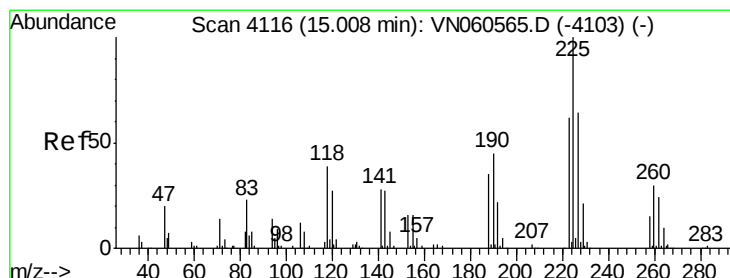
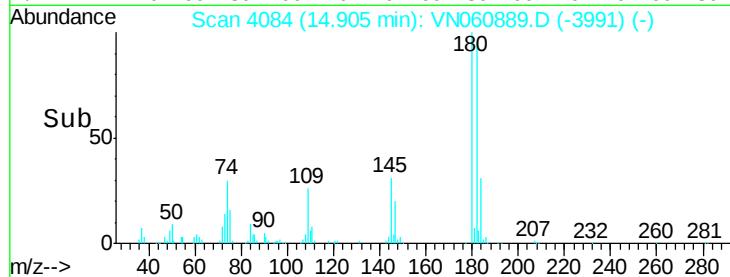
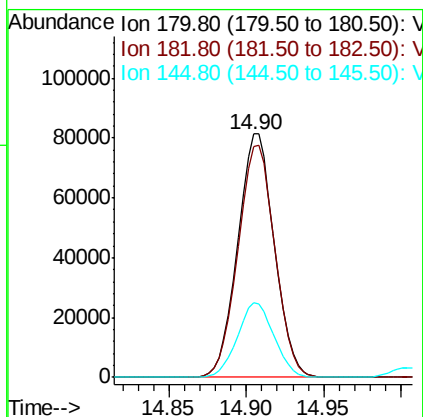
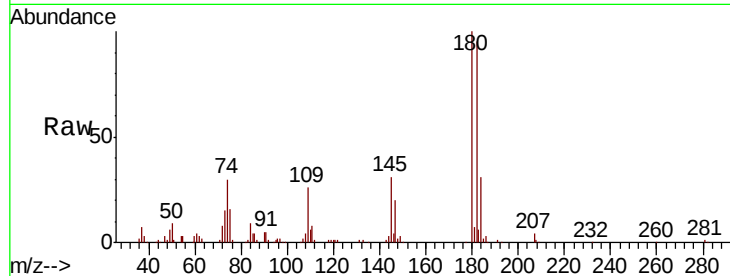




#93
 1,2,4-Trichlorobenzene
 Concen: 49.707 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

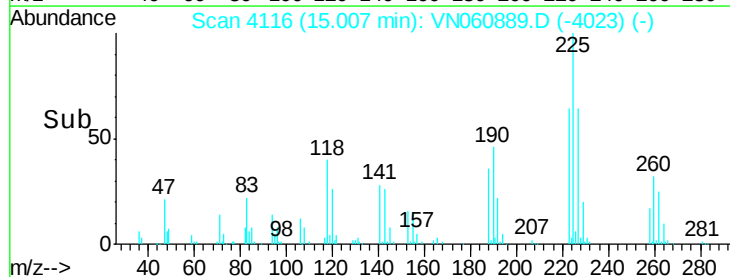
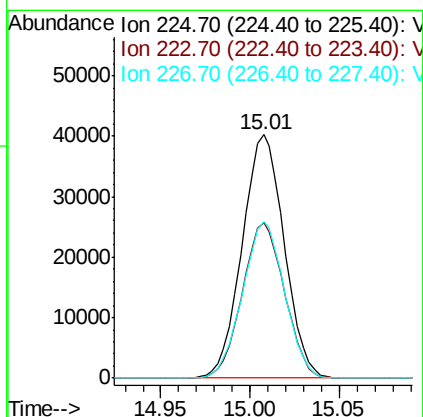
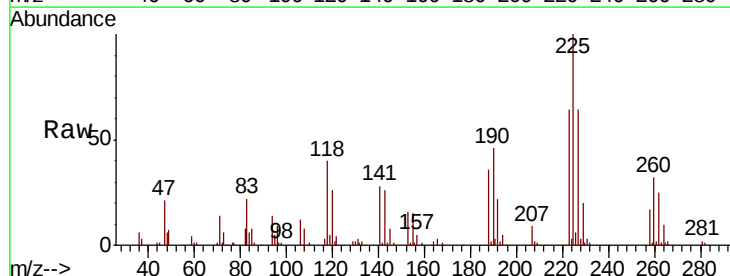
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 133500
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.9 143.8
 145 30.7 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 50.337 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060889.D
 Acq: 7 Apr 2020 19:50

Tgt Ion:225 Resp: 66274
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.6 95.0
 227 64.2 32.3 96.8





#95

Naphthalene

Concen: 45.342 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

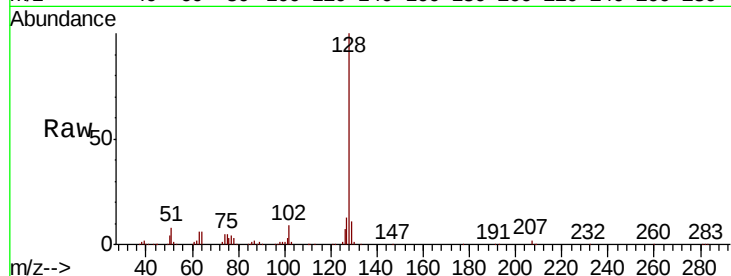
Tot Ion:128 Resp: 366283

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

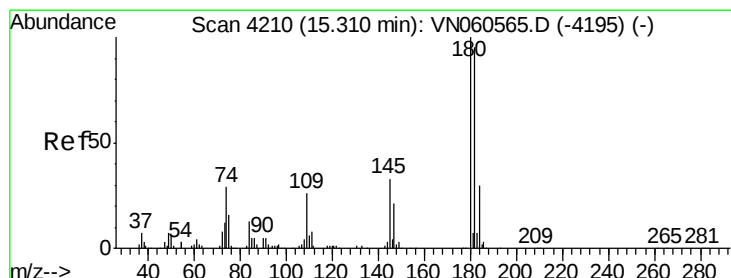
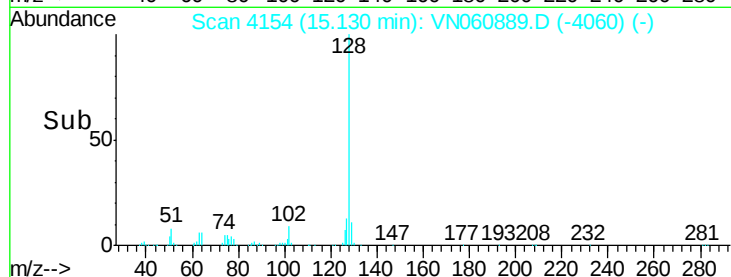
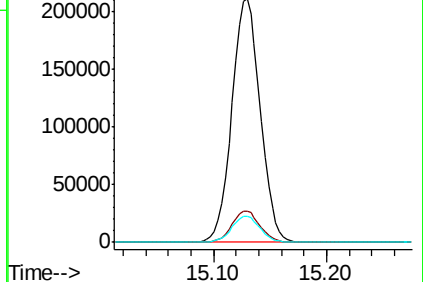
129 10.8 8.8 13.2



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: 47.624 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060889.D

Acq: 7 Apr 2020 19:50

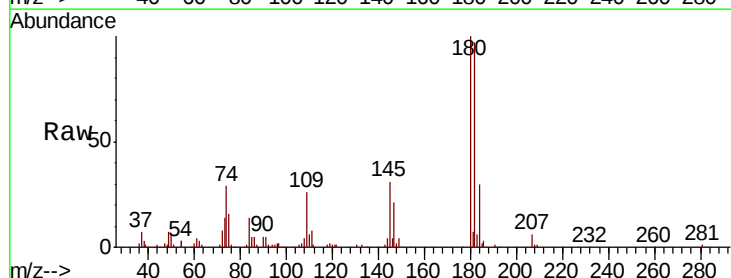
Tgt Ion:180 Resp: 125985

Ion Ratio Lower Upper

180 100

182 95.5 47.5 142.6

145 32.5 16.3 48.8



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

