

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060355.D
 Acq On : 4 Mar 2020 17:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 05 05:12:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	324211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151679	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	123239	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.57	113	83366	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
50) Toluene-d8	10.08	98	367348	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.40	95	141315	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	77886	43.529	ug/l	99
3) Chloromethane	2.04	50	138788	44.552	ug/l	99
4) Vinyl Chloride	2.16	62	115099	43.082	ug/l	100
5) Bromomethane	2.54	94	38930	35.504	ug/l	98
6) Chloroethane	2.68	64	62609	43.253	ug/l	97
7) Trichlorofluoromethane	3.00	101	149007	43.654	ug/l	100
8) Diethyl Ether	3.38	74	57370	44.515	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86614	44.836	ug/l	99
10) Methyl Iodide	3.93	142	76128	43.180	ug/l	97
11) Tert butyl alcohol	4.73	59	81502	219.213	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	84869	45.259	ug/l	100
13) Acrolein	3.58	56	106191	306.158	ug/l	99
14) Allyl chloride	4.29	41	145298	42.031	ug/l	93
15) Acrylonitrile	4.94	53	242372	247.324	ug/l	99
16) Acetone	3.78	43	195391	241.647	ug/l	99
17) Carbon Disulfide	4.03	76	219629	44.059	ug/l	99
18) Methyl Acetate	4.29	43	124949	46.305	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	319250	46.899	ug/l	99
20) Methylene Chloride	4.52	84	98506	44.360	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	92157	45.712	ug/l	97
22) Diisopropyl ether	5.92	45	339210	48.442	ug/l	99
23) Vinyl Acetate	5.86	43	1353291	243.210	ug/l	100
24) 1,1-Dichloroethane	5.82	63	187639	47.338	ug/l	99
25) 2-Butanone	6.80	43	320717	245.563	ug/l	100
26) 2,2-Dichloropropane	6.80	77	157306	43.593	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	111374	43.253	ug/l	99
28) Bromochloromethane	7.17	49	79861	49.071	ug/l	96
29) Tetrahydrofuran	7.18	42	216899	238.824	ug/l	99
30) Chloroform	7.35	83	187160	47.432	ug/l	100
31) Cyclohexane	7.63	56	161768	47.765	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	164680	47.104	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137679	44.558	ug/l	99
37) Ethyl Acetate	6.90	43	142792	48.805	ug/l	99
38) Carbon Tetrachloride	7.75	117	135739	45.120	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	161391	44.300	ug/l	98
40) Benzene	8.02	78	413038	45.927	ug/l	99
41) Methacrylonitrile	7.18	41	201911	149.462	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	151755	46.761	ug/l	99
43) Isopropyl Acetate	8.14	43	243864	47.611	ug/l	99
44) Trichloroethene	8.82	130	107980	43.111	ug/l	97
45) 1,2-Dichloropropane	9.10	63	113314	48.191	ug/l	99
46) Dibromomethane	9.19	93	70547	46.239	ug/l	98
47) Bromodichloromethane	9.39	83	150170	48.395	ug/l	99
48) Methyl methacrylate	9.18	41	108953	46.647	ug/l	99
49) 1,4-Dioxane	9.18	88	26106	794.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	716305	246.654	ug/l	99
52) Toluene	10.14	92	258207	45.706	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	173487	45.628	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	182961	46.438	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	103310	45.475	ug/l	97
56) Ethyl methacrylate	10.42	69	162292	49.725	ug/l	99
57) 1,3-Dichloropropane	10.70	76	175999	47.504	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	408396	239.249	ug/l	100
59) 2-Hexanone	10.74	43	521292	244.480	ug/l	100
60) Dibromochloromethane	10.89	129	111503	48.262	ug/l	99
61) 1,2-Dibromoethane	10.99	107	105276	47.537	ug/l	99
64) Tetrachloroethene	10.62	164	108159	44.868	ug/l	100
65) Chlorobenzene	11.43	112	271751	44.098	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	104636	45.923	ug/l	100
67) Ethyl Benzene	11.50	91	509646	45.414	ug/l	100
68) m/p-Xylenes	11.62	106	377370	89.128	ug/l	99
69) o-Xylene	11.94	106	183608	45.475	ug/l	99
70) Styrene	11.96	104	306123	46.115	ug/l	100
71) Bromoform	12.12	173	80631	49.101	ug/l #	99
73) Isopropylbenzene	12.24	105	500646	44.532	ug/l	99
74) N-amyl acetate	12.06	43	220816	44.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	149742	49.000	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	200958	60.387	ug/l #	100
77) Bromobenzene	12.52	156	120626	43.772	ug/l	98
78) n-propylbenzene	12.59	91	587592	44.589	ug/l	100
79) 2-Chlorotoluene	12.67	91	344391	44.459	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	423180	44.708	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55919	46.385	ug/l #	85
82) 4-Chlorotoluene	12.77	91	360840	44.213	ug/l	98
83) tert-Butylbenzene	12.99	119	364459	44.472	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	423356	44.312	ug/l	100
85) sec-Butylbenzene	13.17	105	494499	45.060	ug/l	99
86) p-Isopropyltoluene	13.28	119	446853	43.993	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	218746	46.181	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	219557	46.607	ug/l	99
89) n-Butylbenzene	13.61	91	413112	44.305	ug/l	100
90) Hexachloroethane	13.87	117	63088	42.910	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	214536	44.428	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31733	45.855	ug/l	97

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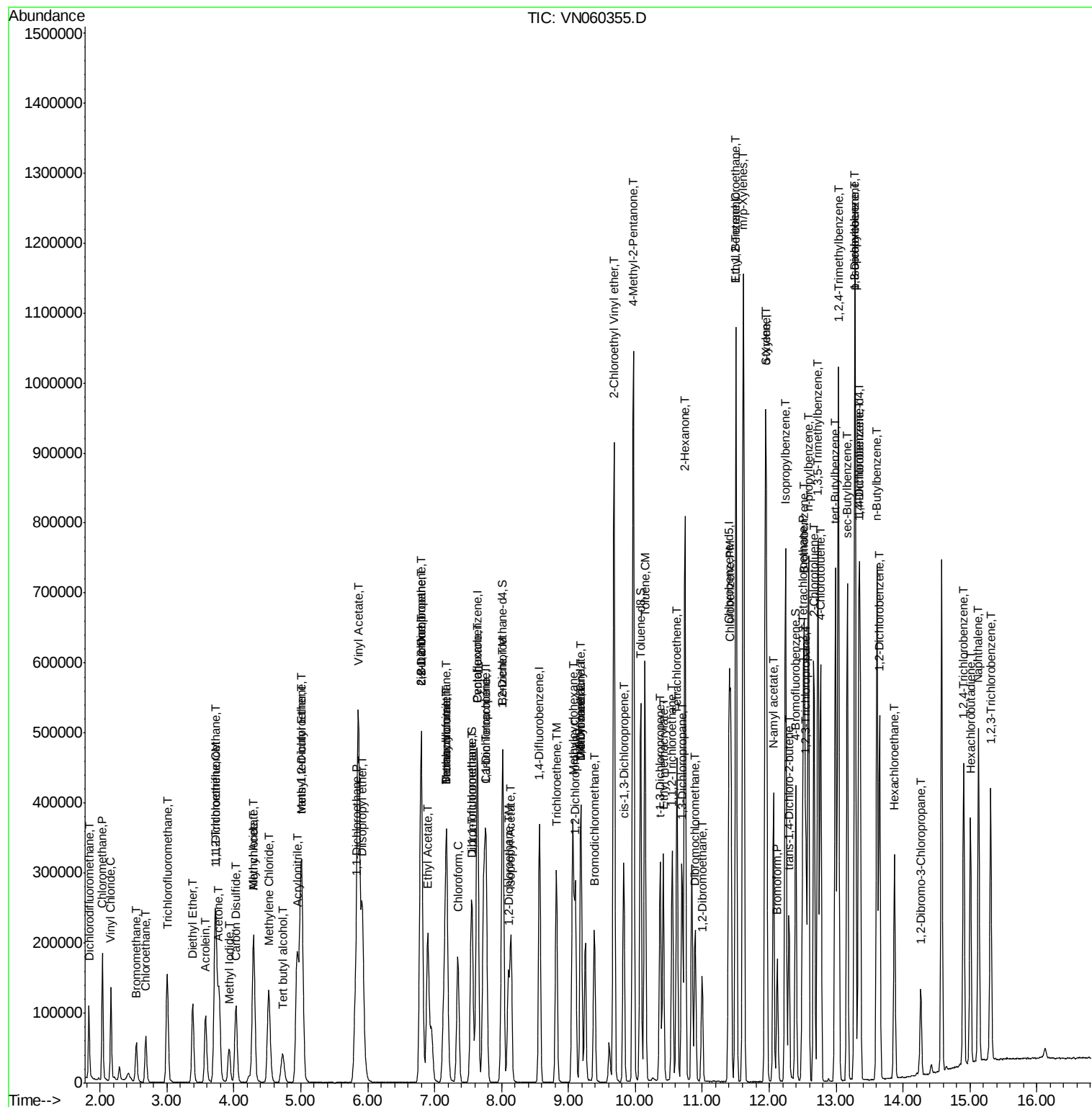
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	137726	44.896	ug/l	99
94) Hexachlorobutadiene	15.01	225	66788	47.322	ug/l	99
95) Naphthalene	15.13	128	399524	44.175	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129758	44.886	ug/l	100

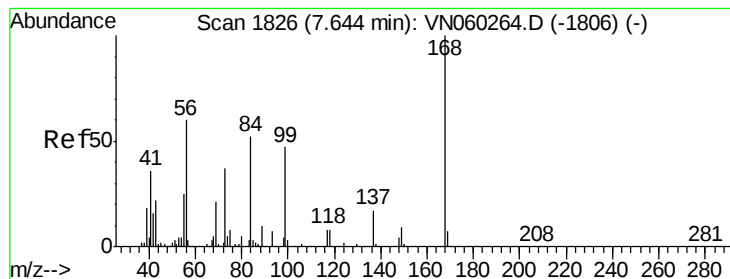
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

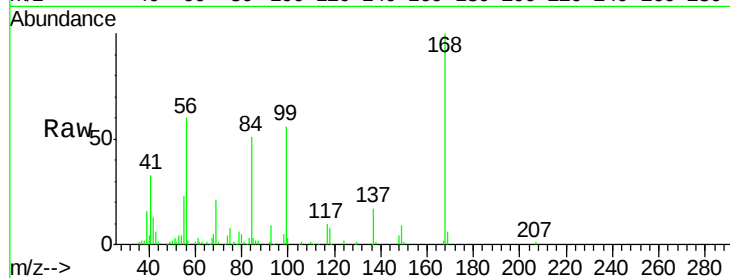
VSTDCCC050EC

Tgt Ion:168 Resp: 195156

Ion Ratio Lower Upper

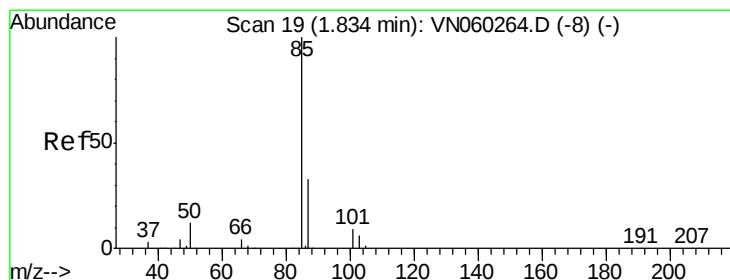
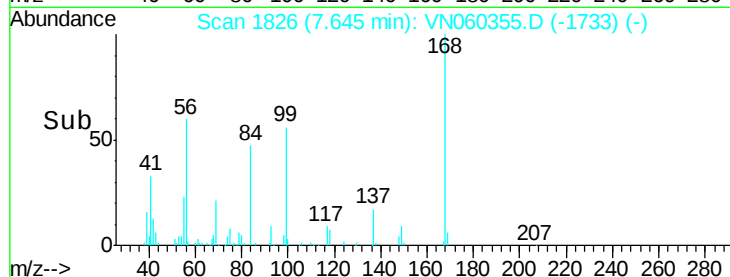
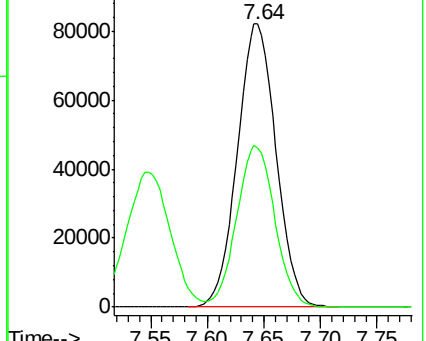
168 100

99 56.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.529 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060355.D

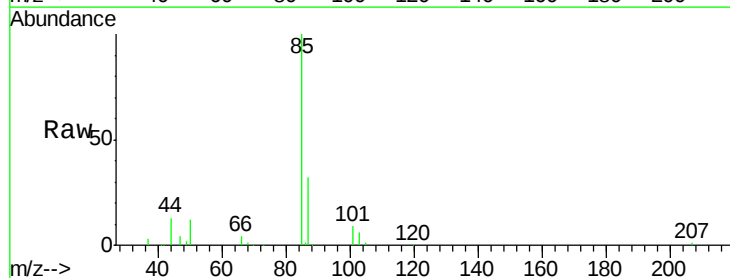
Acq: 4 Mar 2020 17:43

Tgt Ion: 85 Resp: 77886

Ion Ratio Lower Upper

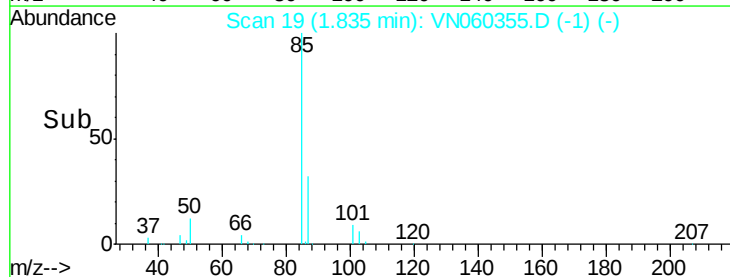
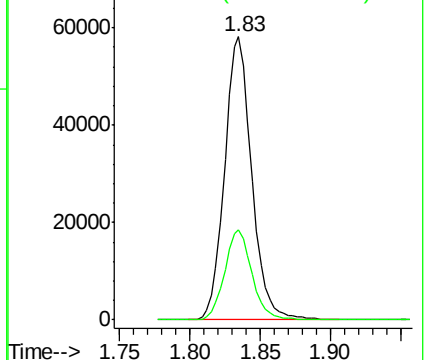
85 100

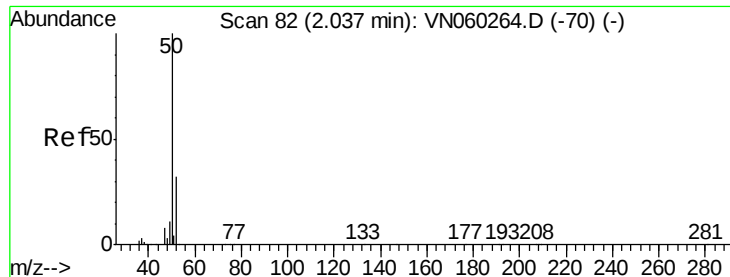
87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.552 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

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ClientSampleId :

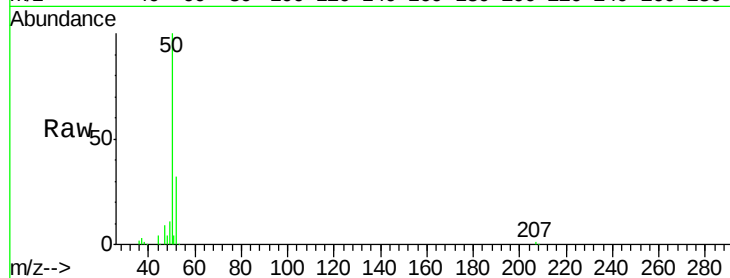
VSTDCCC050EC

Tgt Ion: 50 Resp: 138788

Ion Ratio Lower Upper

50 100

52 32.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN060264.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN060355.D (-1) (-)

2.04

120000

100000

80000

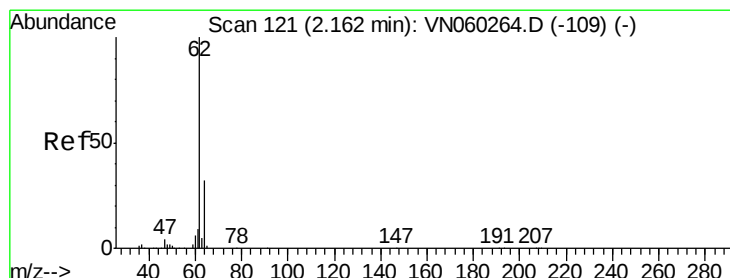
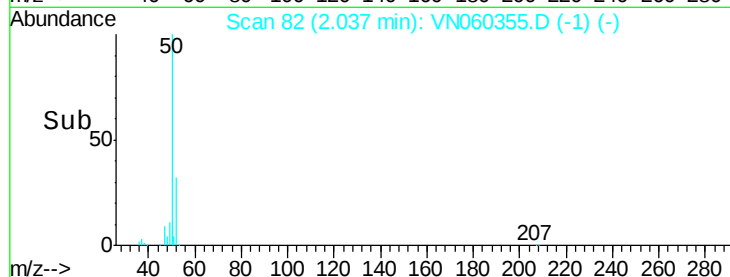
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 43.082 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060355.D

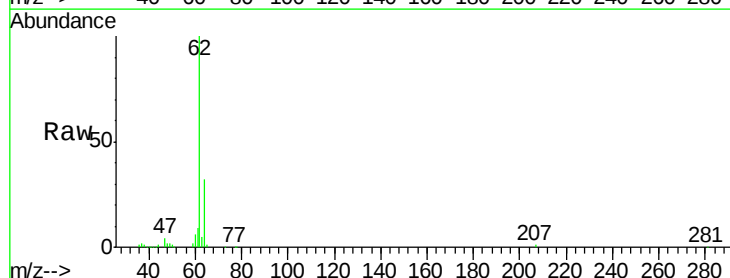
Acq: 4 Mar 2020 17:43

Tgt Ion: 62 Resp: 115099

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN060264.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN060355.D (-28) (-)

2.16

80000

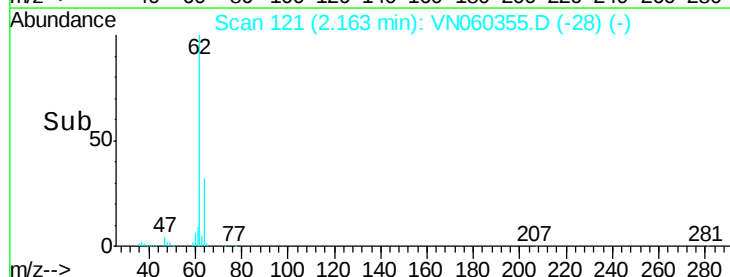
60000

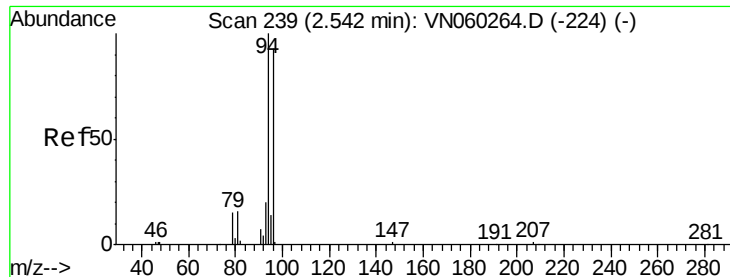
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 35.504 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

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ClientSampleId :

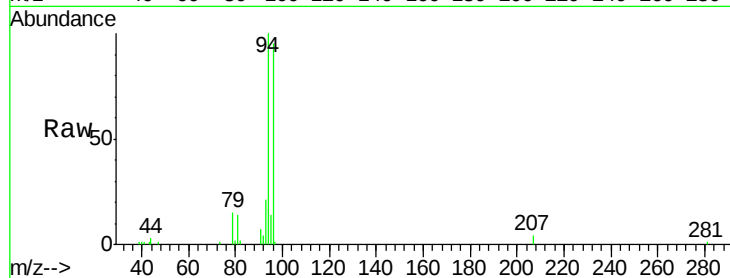
VSTDCCC050EC

Tgt Ion: 94 Resp: 38930

Ion Ratio Lower Upper

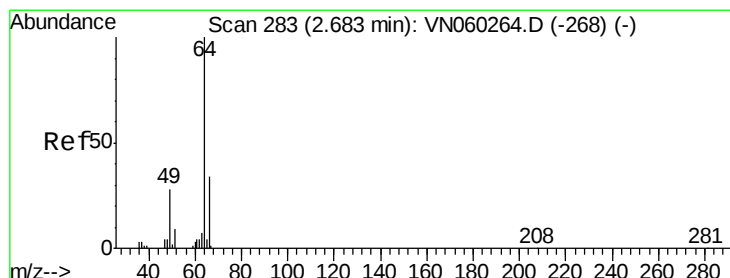
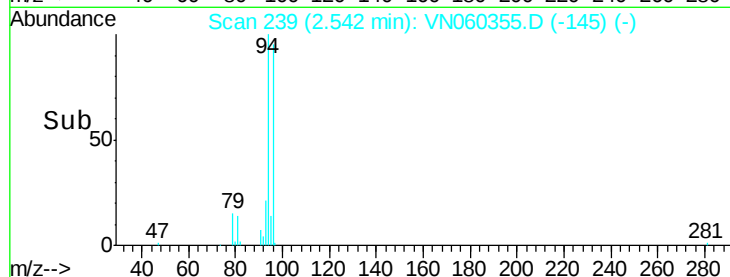
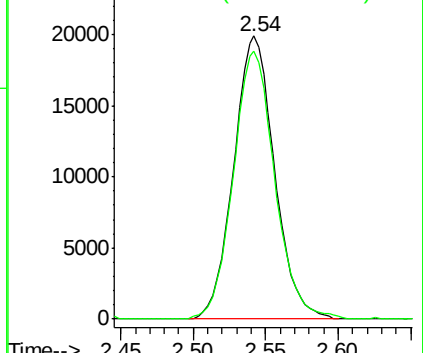
94 100

96 94.7 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.253 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060355.D

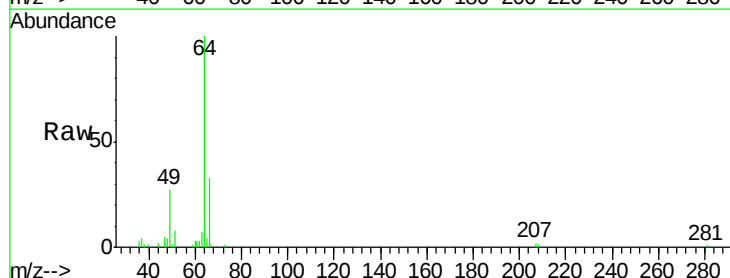
Acq: 4 Mar 2020 17:43

Tgt Ion: 64 Resp: 62609

Ion Ratio Lower Upper

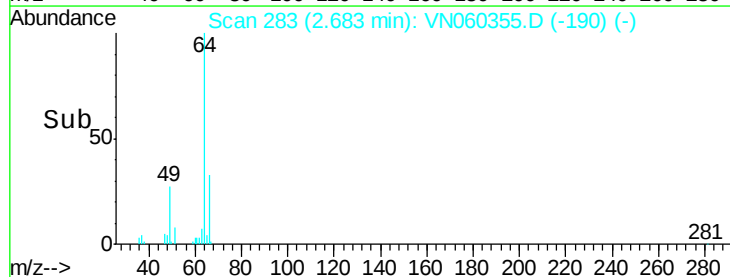
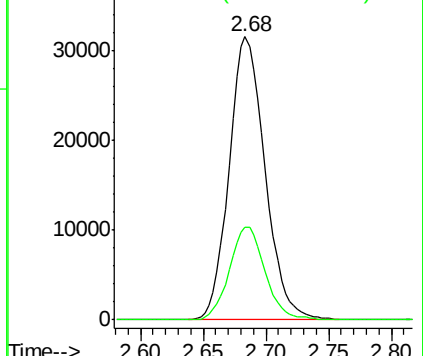
64 100

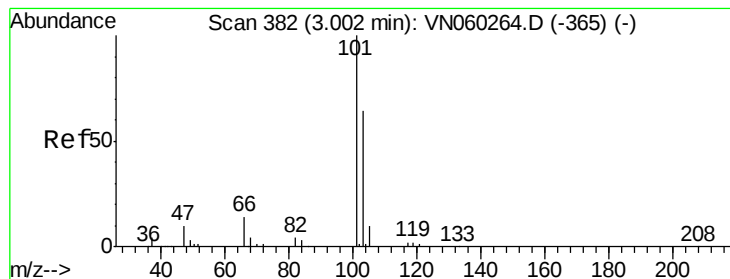
66 32.7 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



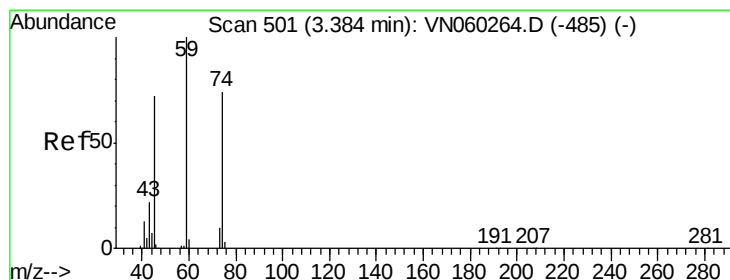
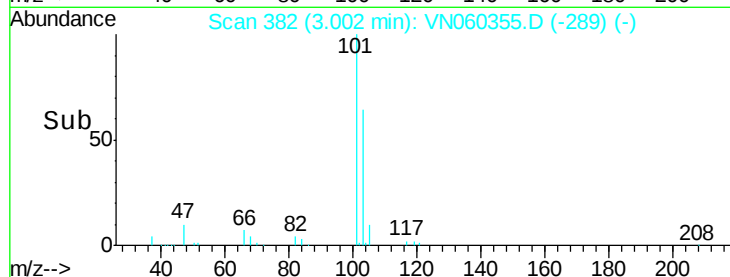
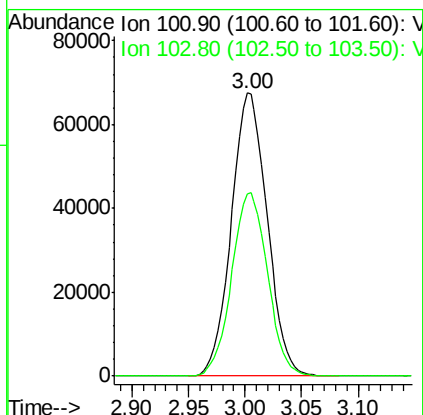
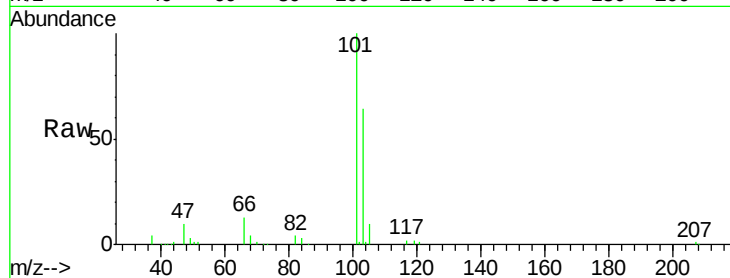


#7

Trichlorofluoromethane
 Concen: 43.654 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

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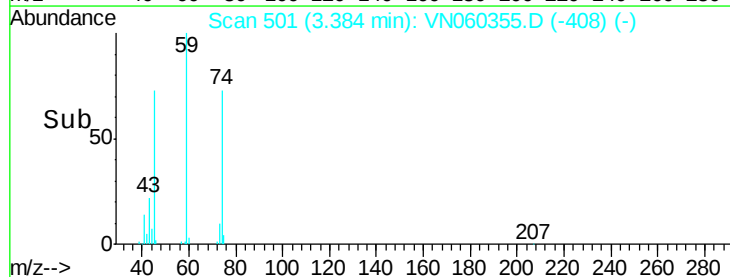
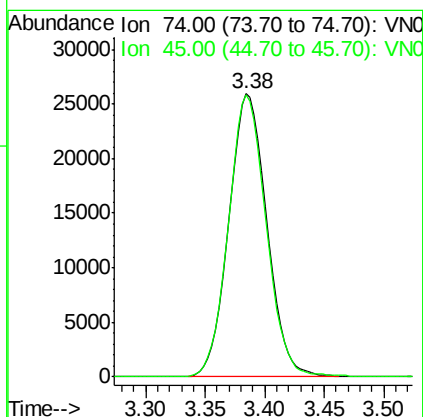
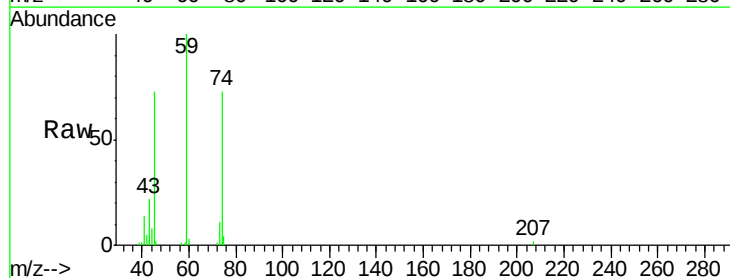
Tgt Ion:101 Resp: 149007
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.3 76.9



#8

Diethyl Ether
 Concen: 44.515 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion: 74 Resp: 57370
 Ion Ratio Lower Upper
 74 100
 45 98.9 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.836 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

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VSTDCCC050EC

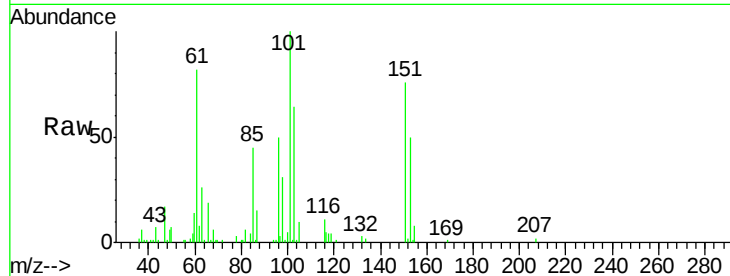
Tgt Ion:101 Resp: 86614

Ion Ratio Lower Upper

101 100

85 44.9 35.4 53.2

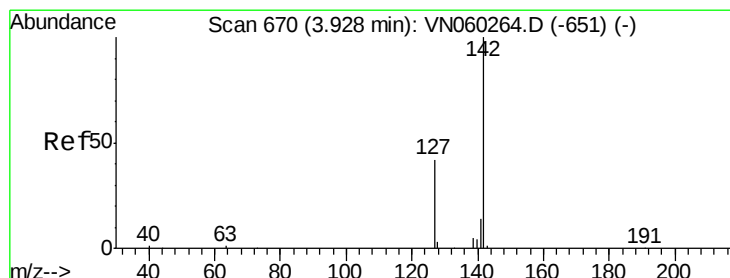
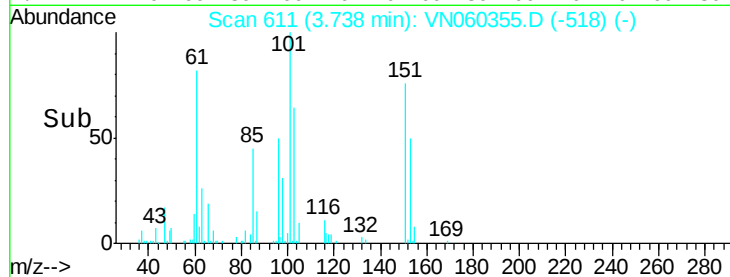
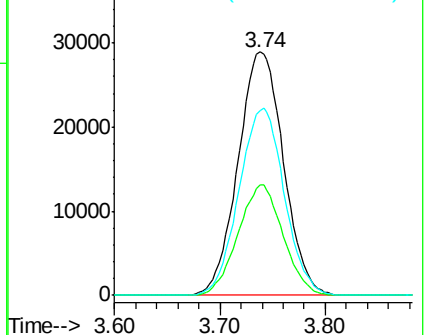
151 76.7 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.180 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

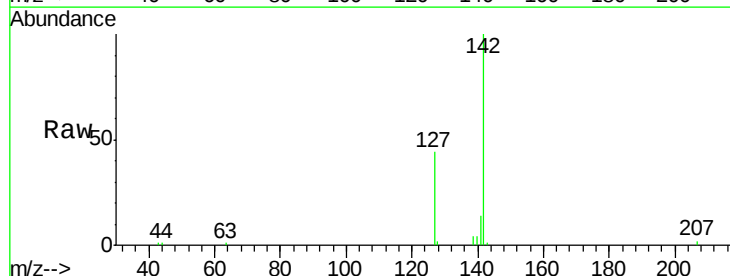
Tgt Ion:142 Resp: 76128

Ion Ratio Lower Upper

142 100

127 44.3 33.8 50.6

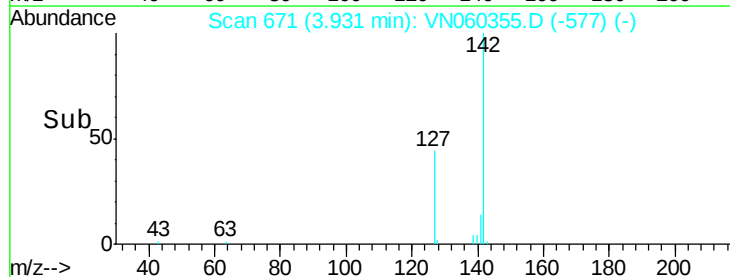
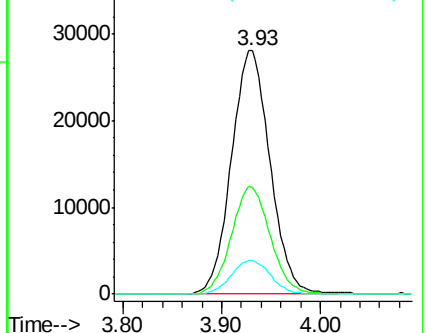
141 13.9 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

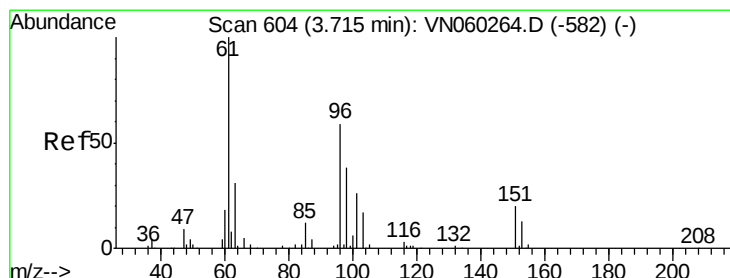
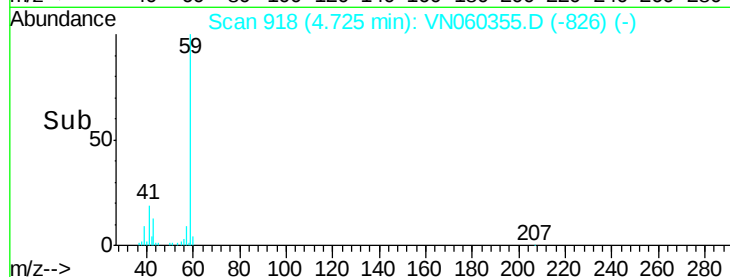
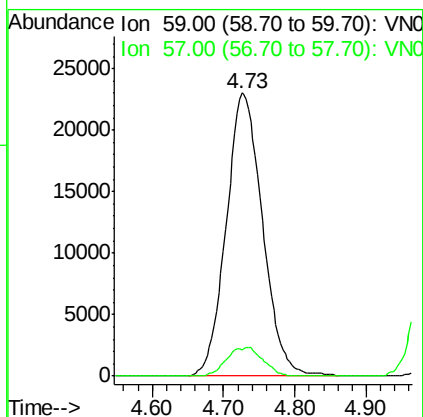
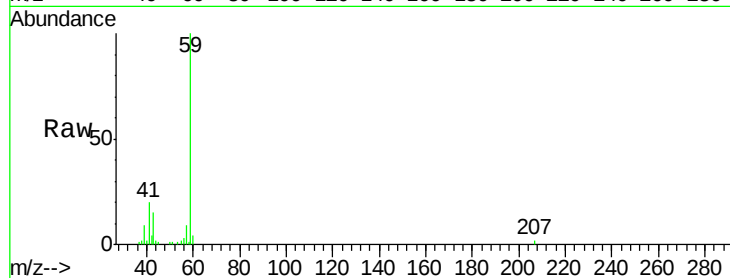




#11
Tert butyl alcohol
Concen: 219.213 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

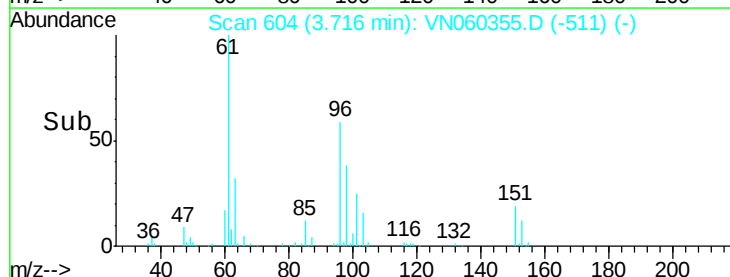
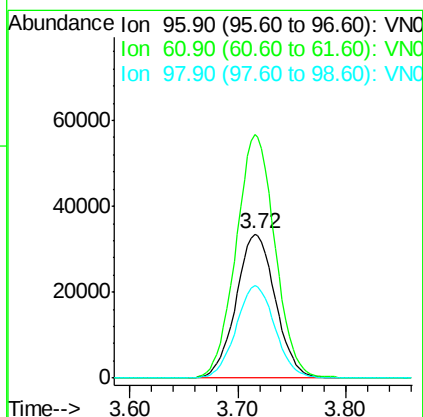
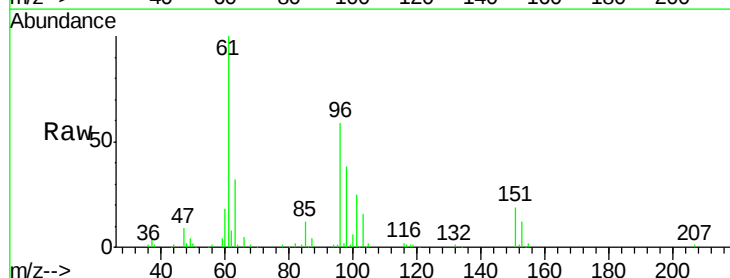
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

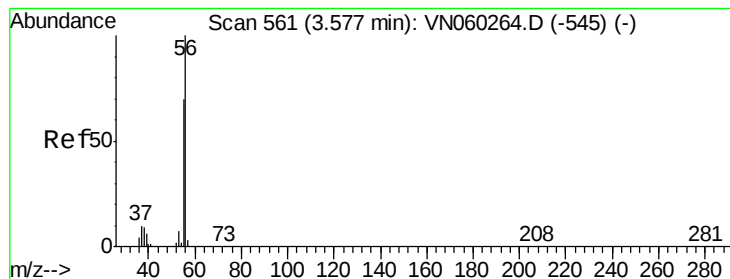
Tgt Ion: 59 Resp: 81502
Ion Ratio Lower Upper
59 100
57 4.6 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 45.259 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 96 Resp: 84869
Ion Ratio Lower Upper
96 100
61 168.7 135.4 203.0
98 64.1 51.6 77.4





#13

Acrolein

Concen: 306.158 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

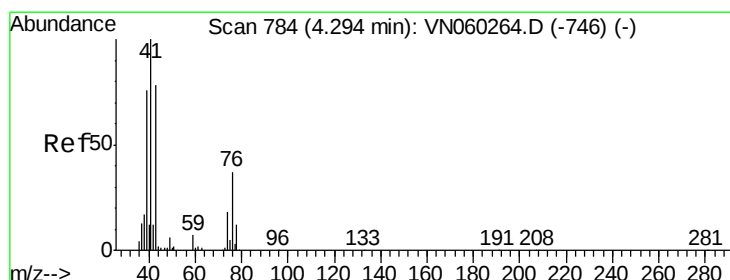
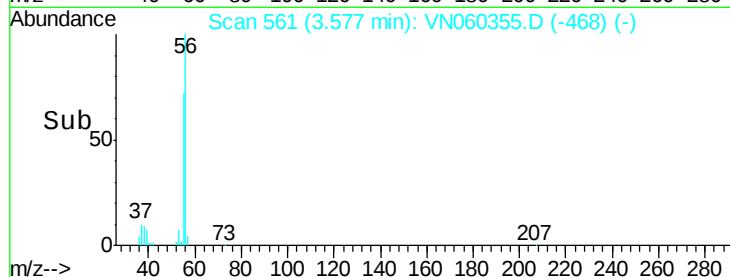
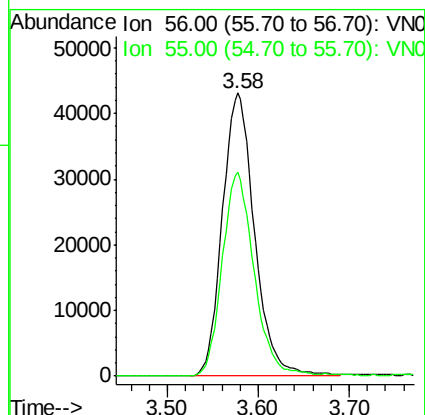
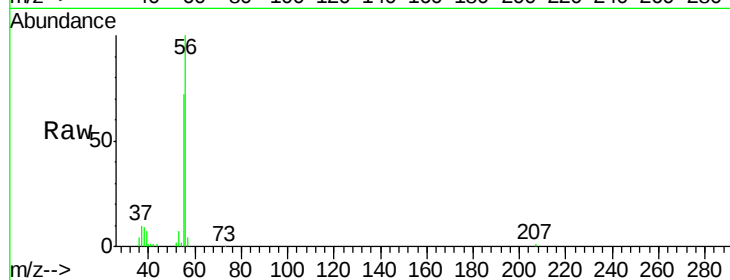
VSTDCCC050EC

Tgt Ion: 56 Resp: 106191

Ion Ratio Lower Upper

56 100

55 70.9 57.4 86.0



#14

Allyl chloride

Concen: 42.031 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

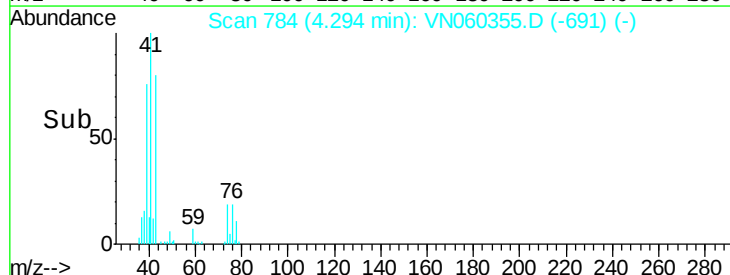
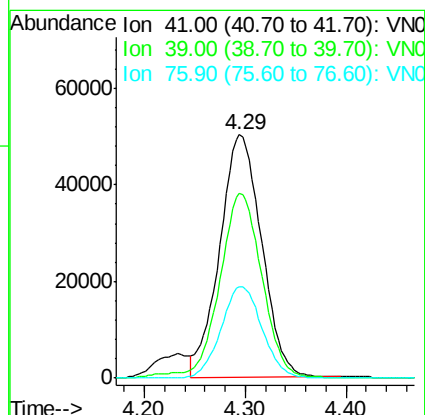
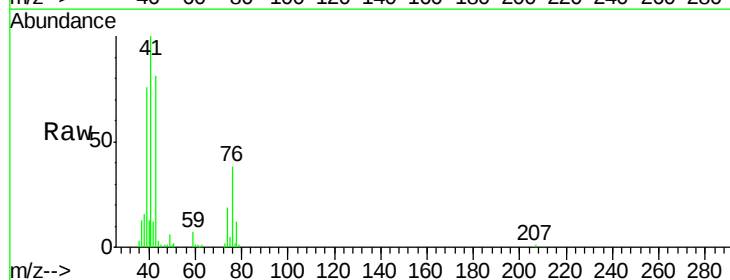
Tgt Ion: 41 Resp: 145298

Ion Ratio Lower Upper

41 100

39 75.8 55.4 83.2

76 37.0 27.0 40.6





#15

Acrylonitrile

Concen: 247.324 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

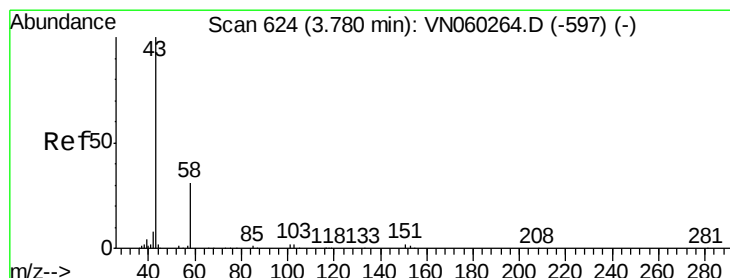
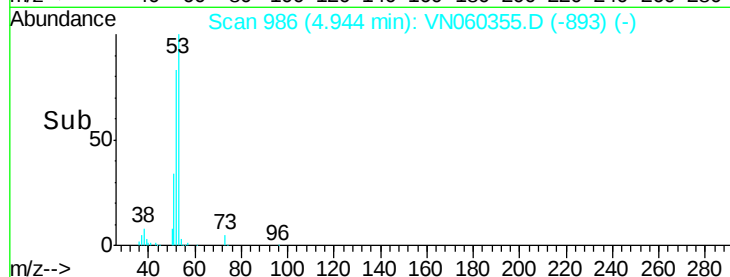
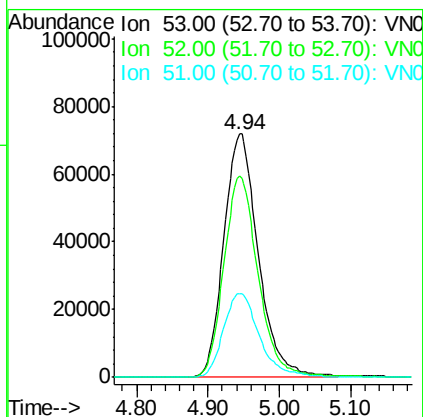
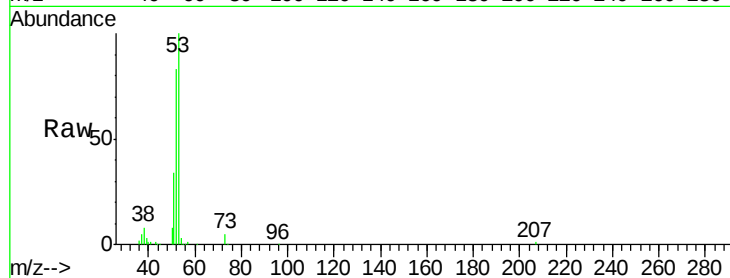
Tgt Ion: 53 Resp: 242372

Ion Ratio Lower Upper

53 100

52 81.9 66.8 100.2

51 35.9 29.0 43.6



#16

Acetone

Concen: 241.647 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060355.D

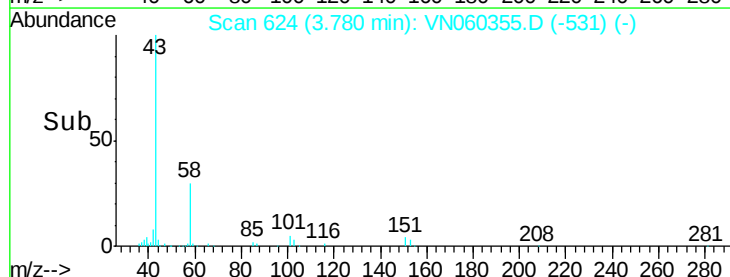
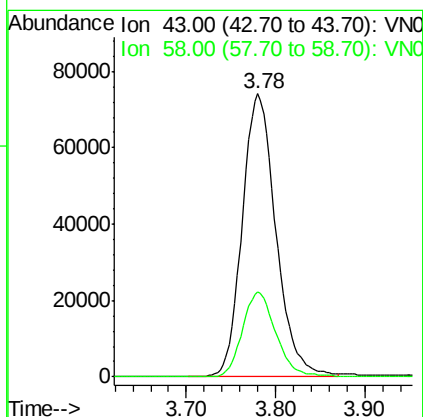
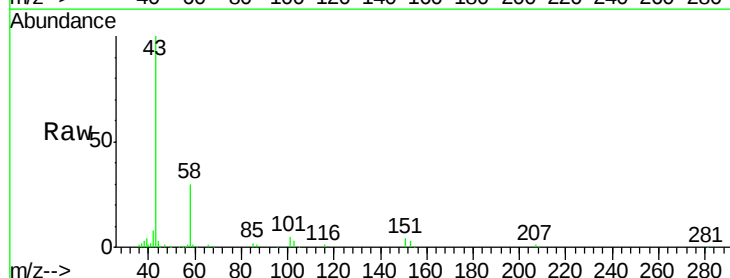
Acq: 4 Mar 2020 17:43

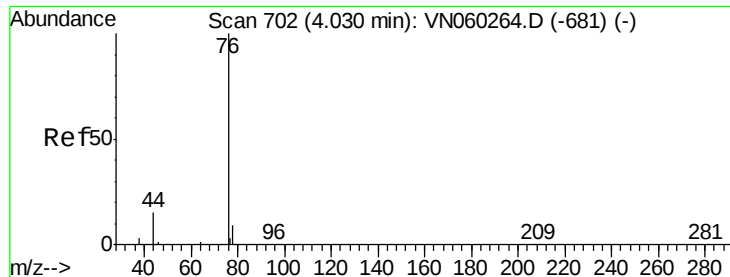
Tgt Ion: 43 Resp: 195391

Ion Ratio Lower Upper

43 100

58 30.1 24.6 36.8

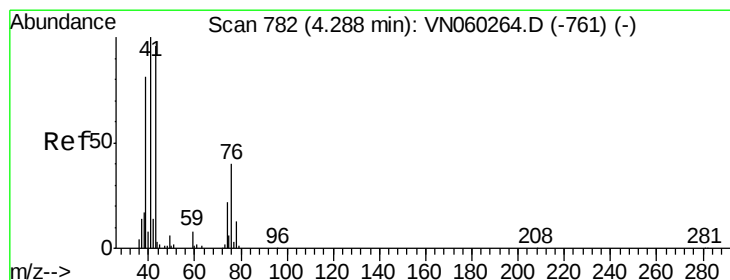
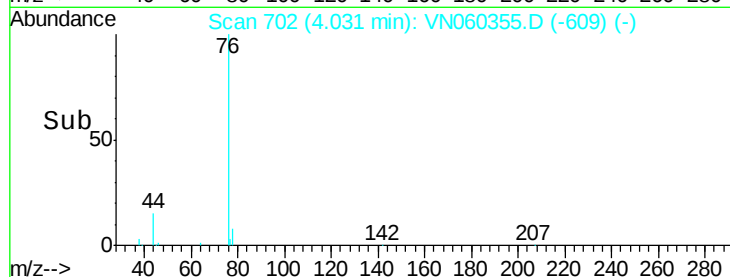
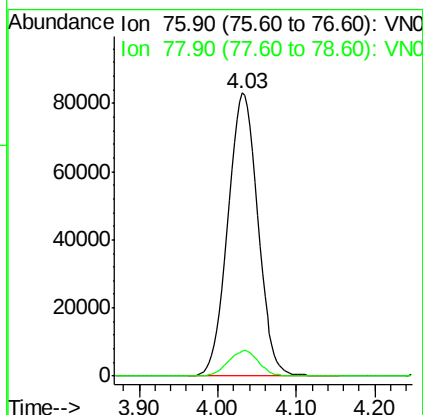
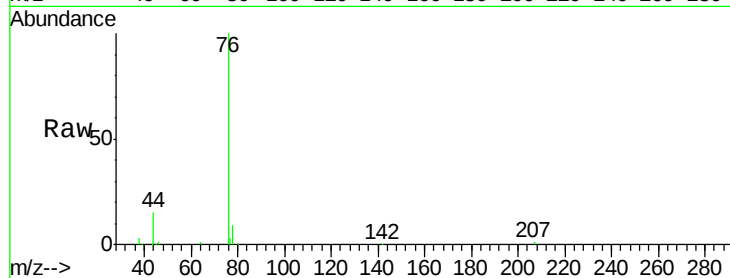




#17
Carbon Disulfide
Concen: 44.059 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

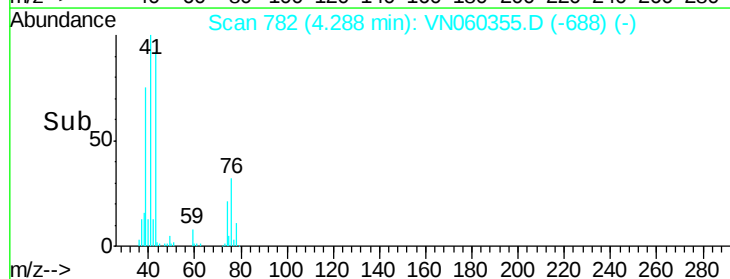
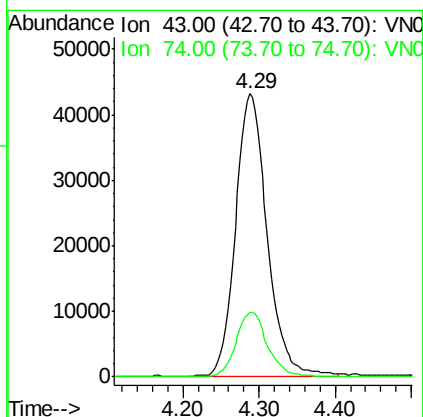
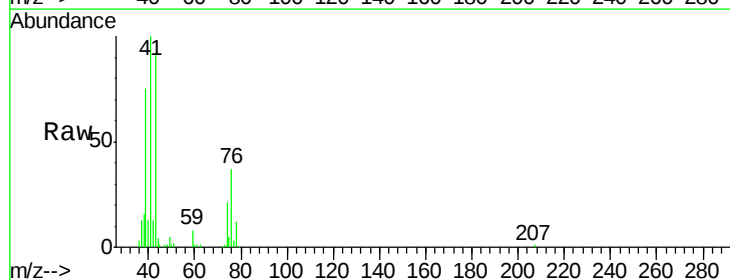
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 219629
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 46.305 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 43 Resp: 124949
Ion Ratio Lower Upper
43 100
74 22.6 18.8 28.2

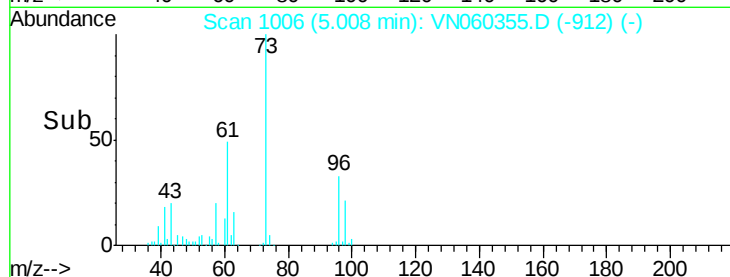
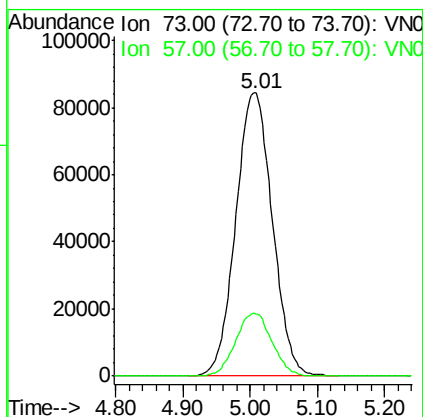
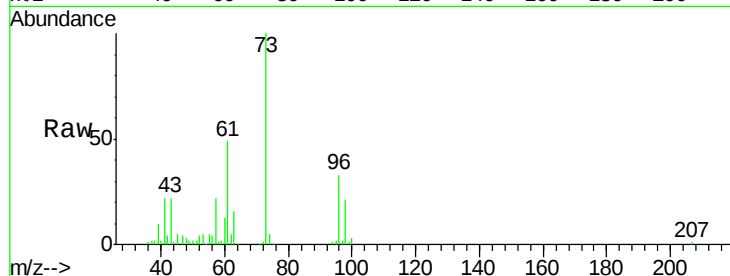




#19
Methyl tert-butyl Ether
Concen: 46.899 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

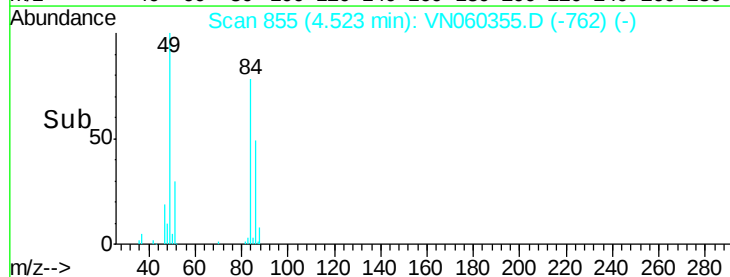
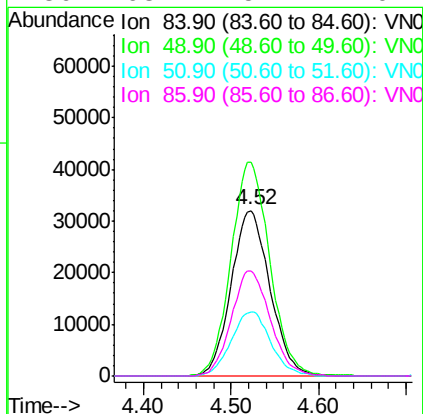
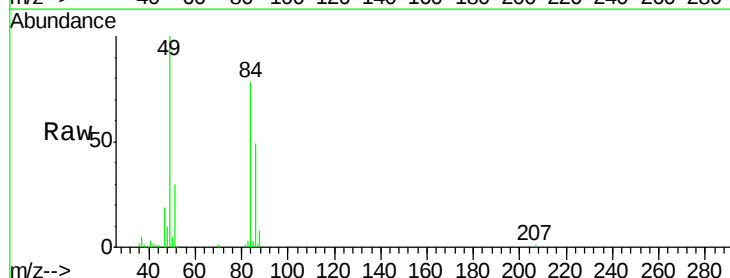
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 319250
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9



#20
Methylene Chloride
Concen: 44.360 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 84 Resp: 98506
Ion Ratio Lower Upper
84 100
49 129.0 99.3 148.9
51 38.4 30.1 45.1
86 63.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.712 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

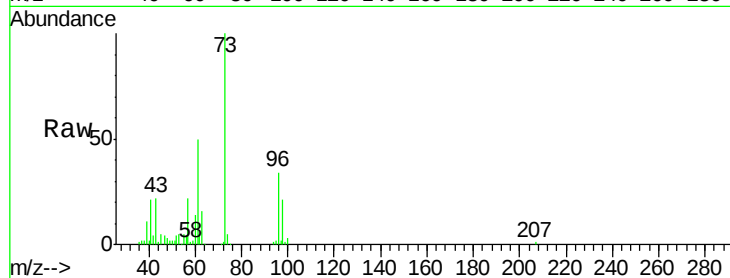
Tgt Ion: 96 Resp: 92157

Ion Ratio Lower Upper

96 100

61 147.0 113.8 170.8

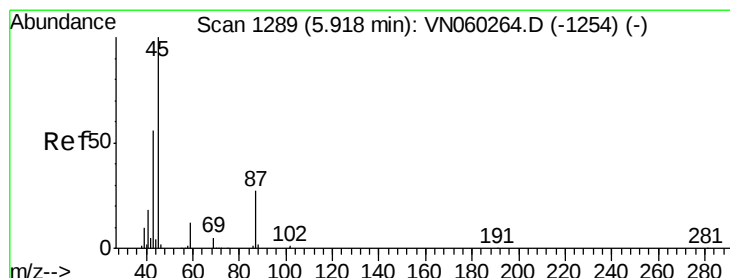
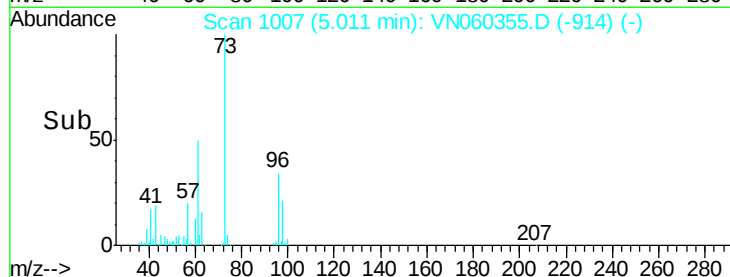
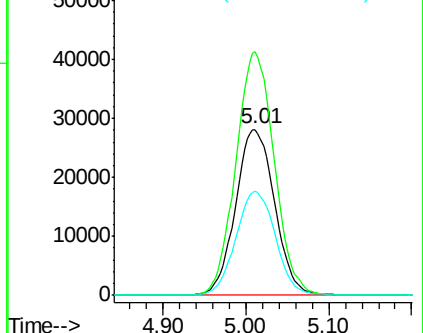
98 62.5 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VN060355.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060355.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060355.D (-914) (-)



#22

Diisopropyl ether

Concen: 48.442 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion: 45 Resp: 339210

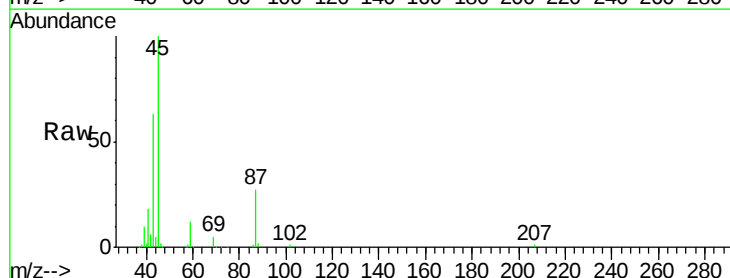
Ion Ratio Lower Upper

45 100

43 61.5 48.6 72.8

87 27.3 22.2 33.2

59 11.7 9.5 14.3

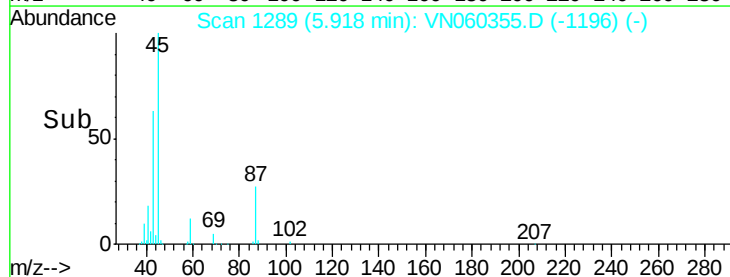
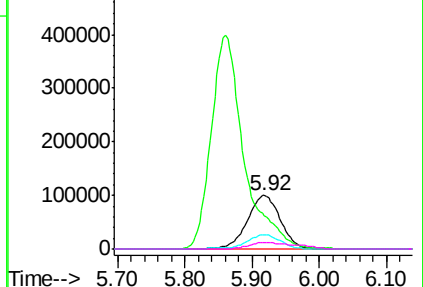


Abundance Ion 45.00 (44.70 to 45.70): VN060355.D (-1196) (-)

Ion 43.00 (42.70 to 43.70): VN060355.D (-1196) (-)

Ion 87.00 (86.70 to 87.70): VN060355.D (-1196) (-)

Ion 59.00 (58.70 to 59.70): VN060355.D (-1196) (-)

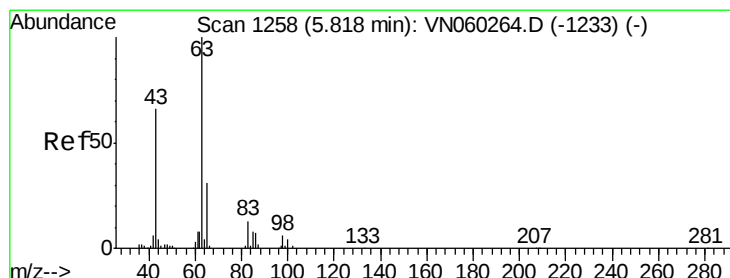
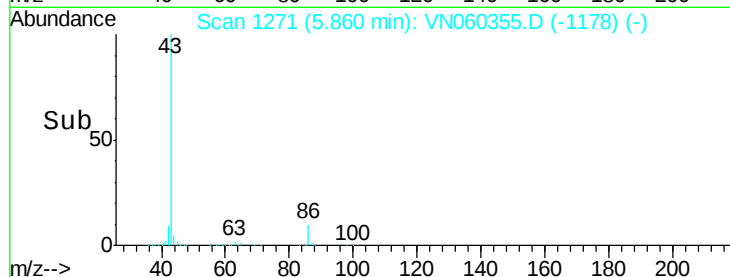
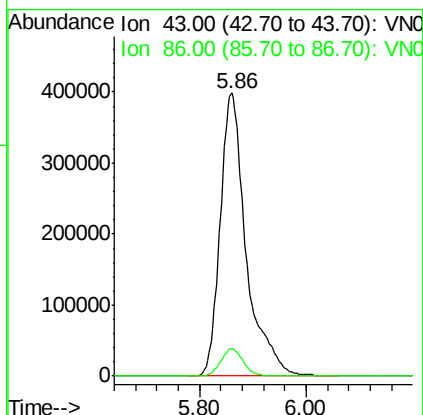
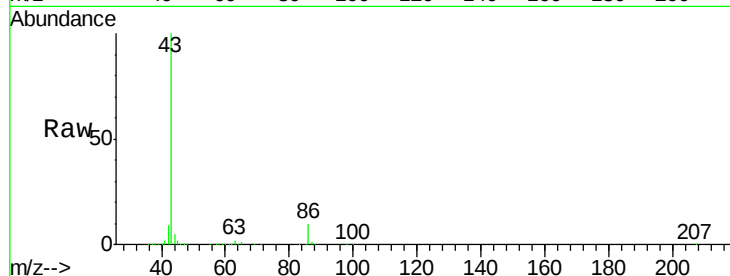




#23
 Vinyl Acetate
 Concen: 243.210 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

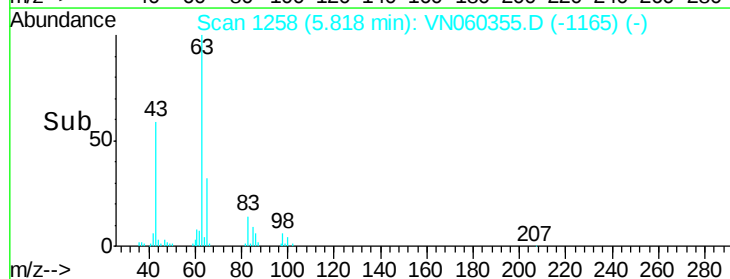
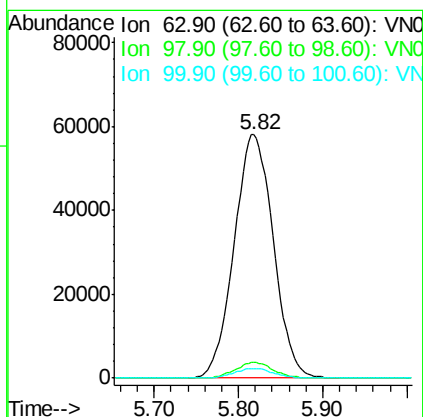
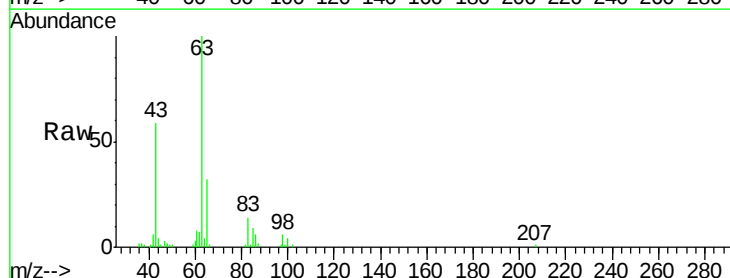
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1353291
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 47.338 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion: 63 Resp: 187639
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.0
 100 4.0 2.0 6.0

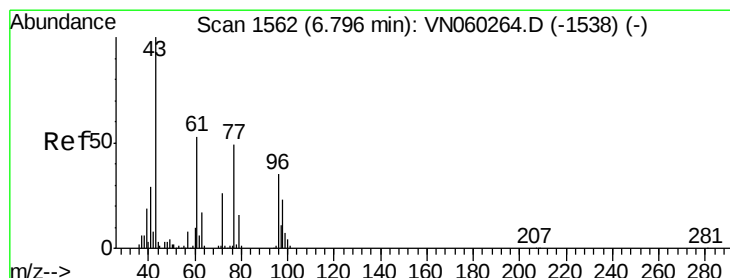
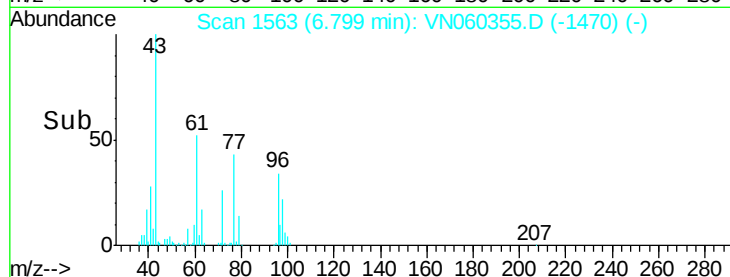
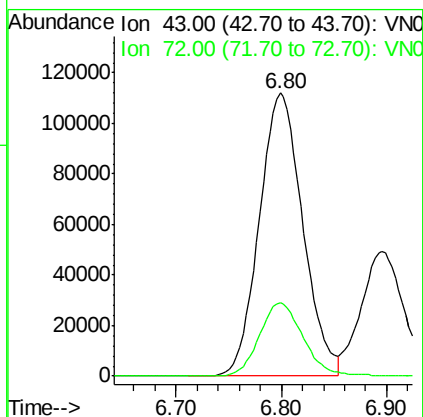
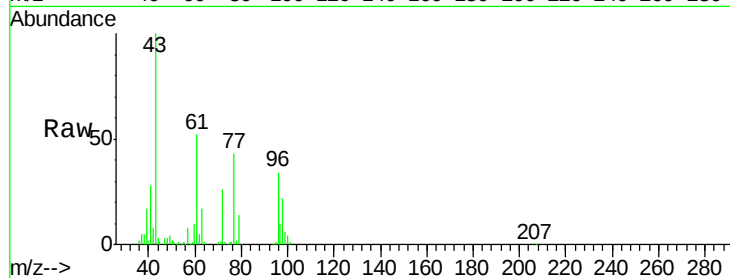




#25
 2-Butanone
 Concen: 245.563 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

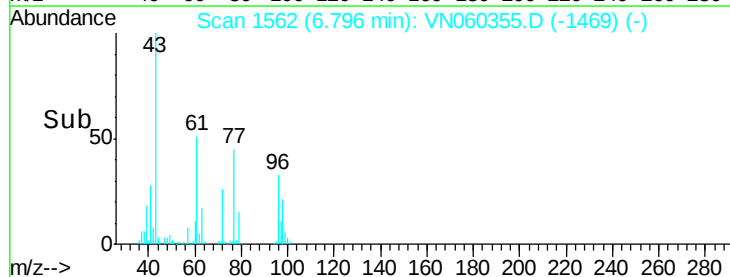
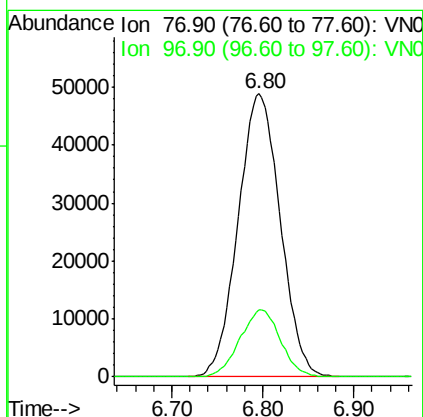
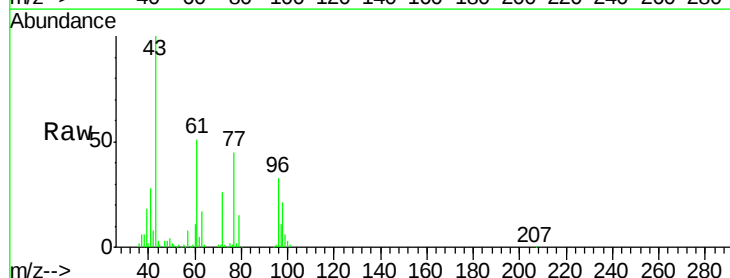
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 320717
 Ion Ratio Lower Upper
 43 100
 72 26.0 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 43.593 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion: 77 Resp: 157306
 Ion Ratio Lower Upper
 77 100
 97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 43.253 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

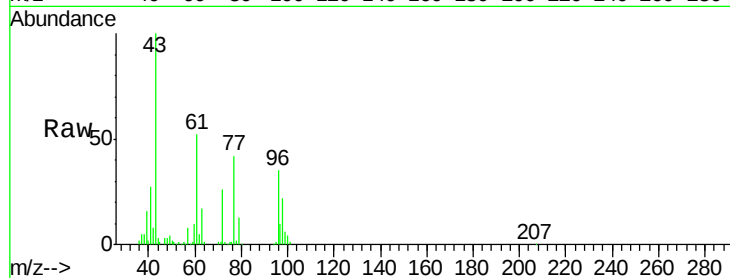
Tgt Ion: 96 Resp: 111374

Ion Ratio Lower Upper

96 100

61 152.3 0.0 300.8

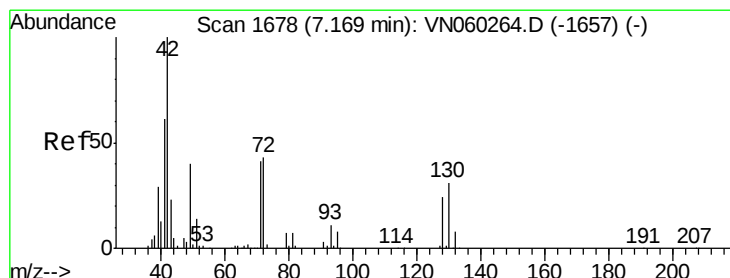
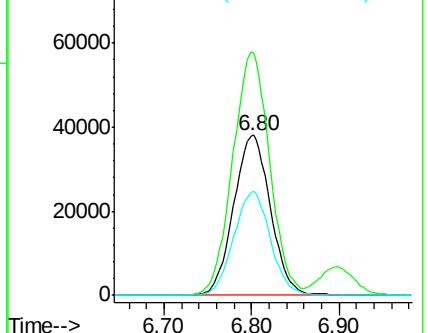
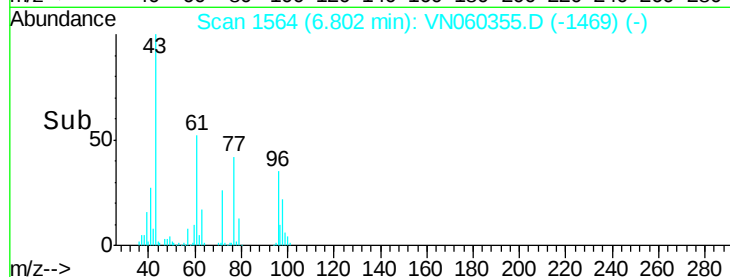
98 64.5 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060355.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060355.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060355.D (-1469) (-)



#28

Bromochloromethane

Concen: 49.071 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

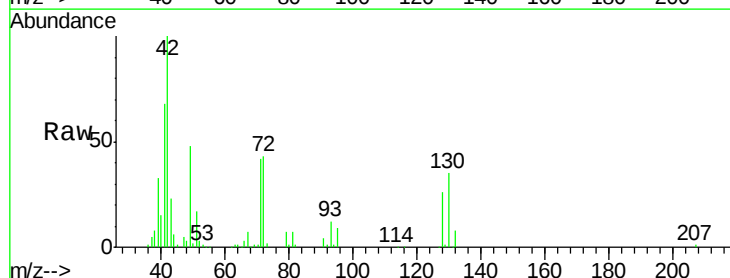
Tgt Ion: 49 Resp: 79861

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

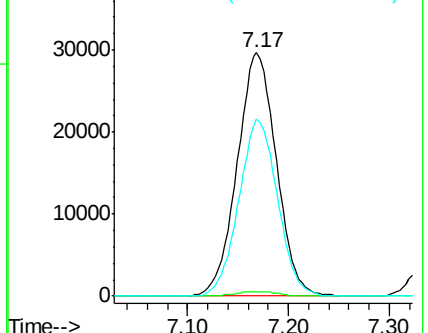
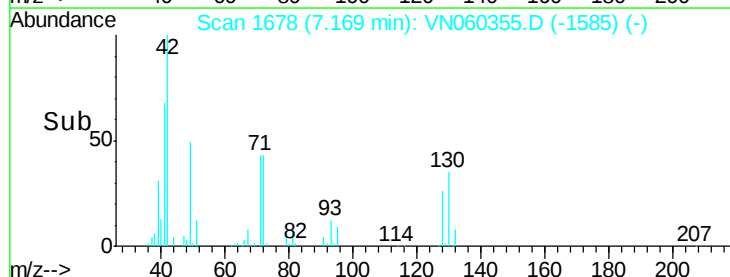
130 71.6 59.8 89.8



Abundance Ion 48.90 (48.60 to 49.60): VN060355.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060355.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060355.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 238.824 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

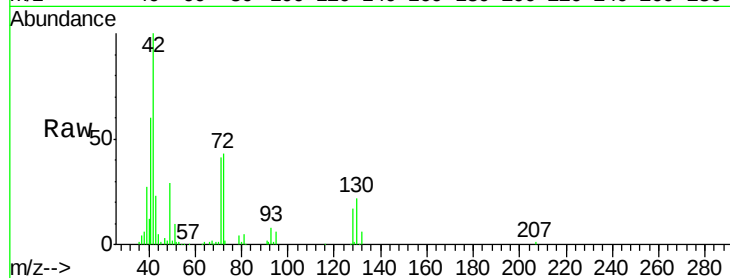
Tgt Ion: 42 Resp: 216899

Ion Ratio Lower Upper

42 100

72 42.9 34.6 52.0

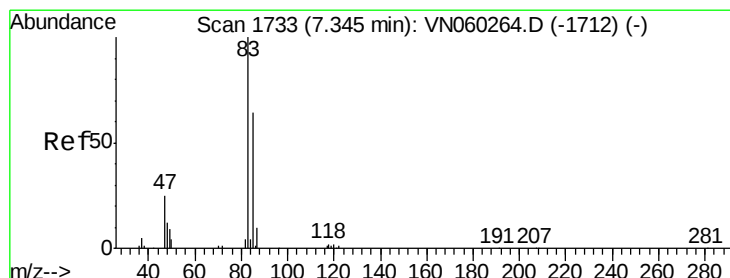
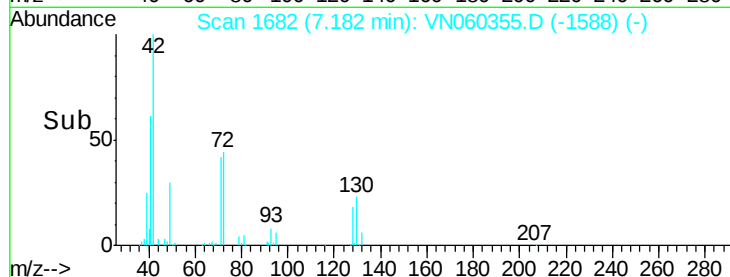
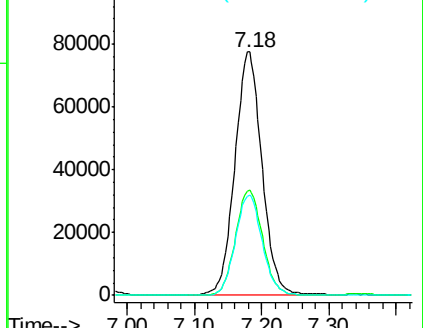
71 40.8 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060355.D (-1588) (-)

Ion 72.00 (71.70 to 72.70): VN060355.D (-1588) (-)

Ion 71.00 (70.70 to 71.70): VN060355.D (-1588) (-)



#30

Chloroform

Concen: 47.432 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060355.D

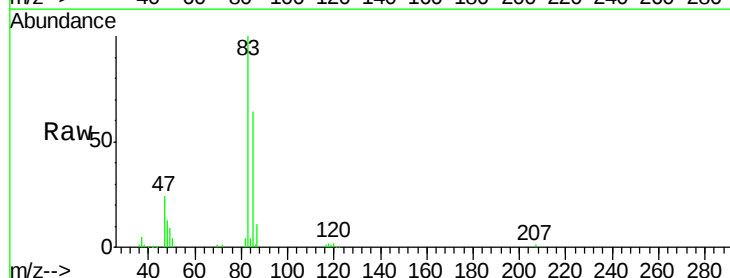
Acq: 4 Mar 2020 17:43

Tgt Ion: 83 Resp: 187160

Ion Ratio Lower Upper

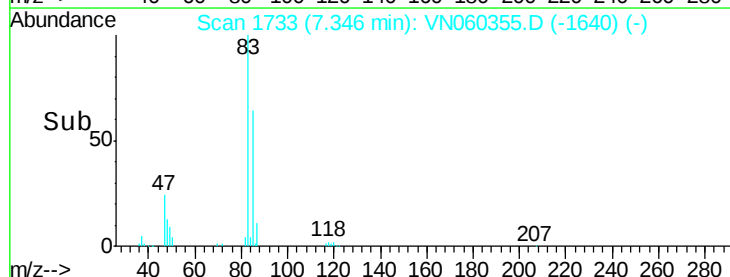
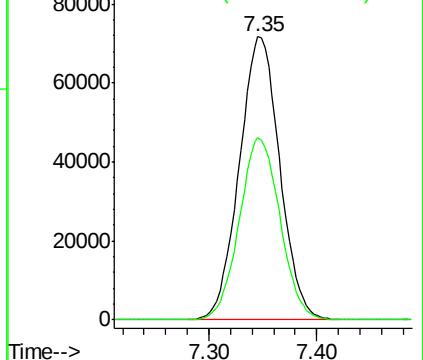
83 100

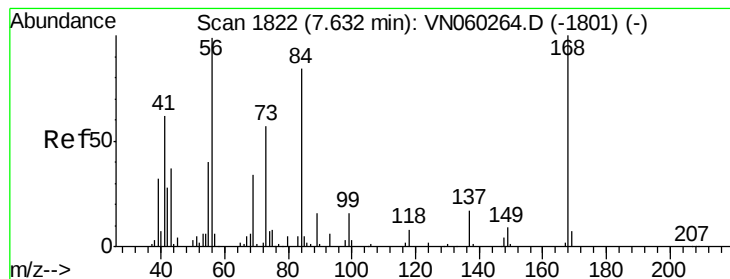
85 64.4 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060355.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN060355.D (-1640) (-)





#31

Cyclohexane

Concen: 47.765 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

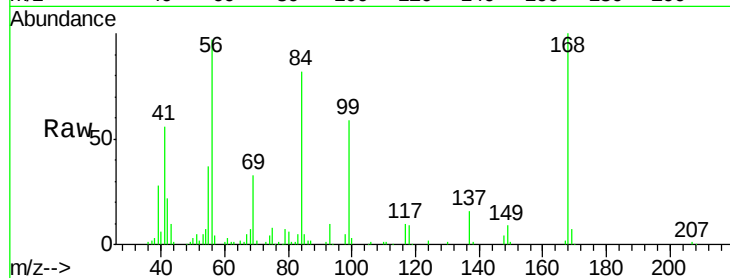
Tgt Ion: 56 Resp: 161768

Ion Ratio Lower Upper

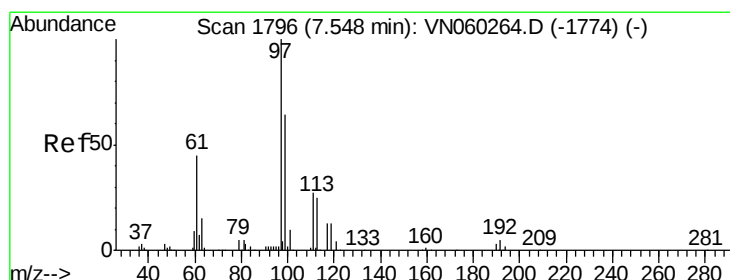
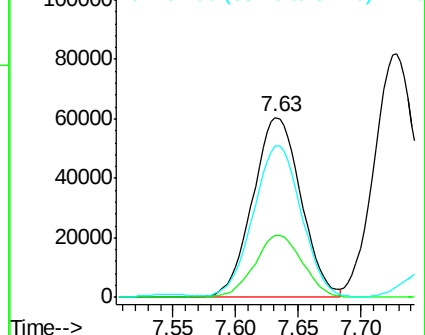
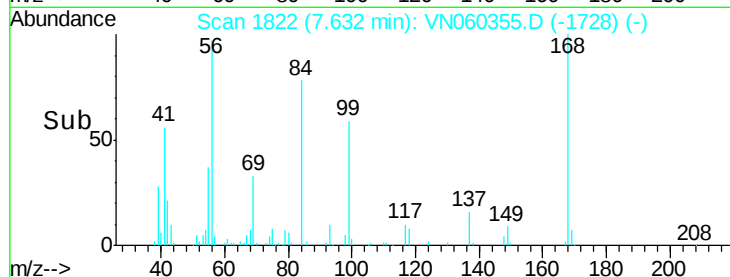
56 100

69 34.5 27.2 40.8

84 83.2 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060355.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 47.104 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

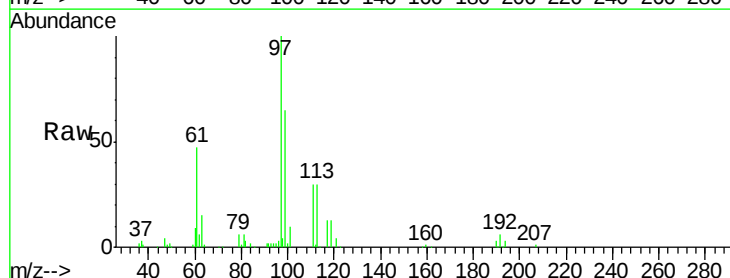
Tgt Ion: 97 Resp: 164680

Ion Ratio Lower Upper

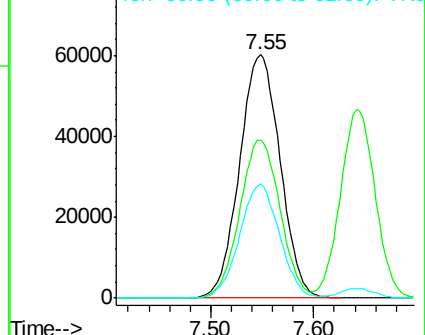
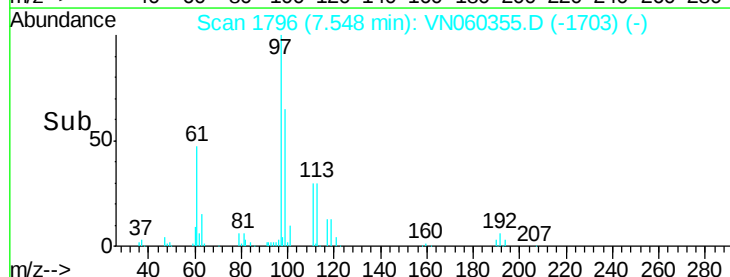
97 100

99 64.6 51.4 77.0

61 46.1 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN060355.D (-1703) (-)

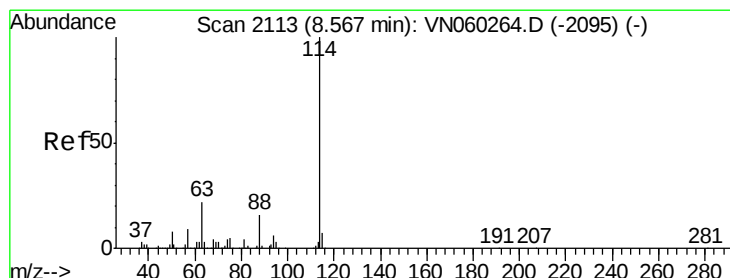
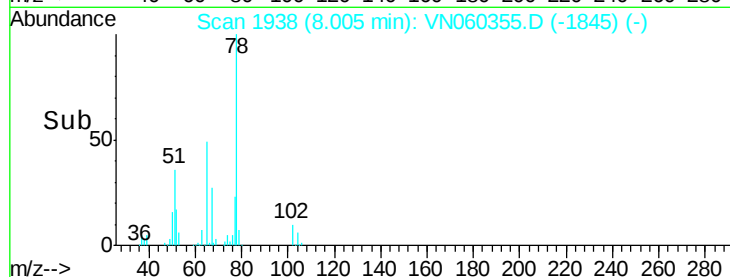
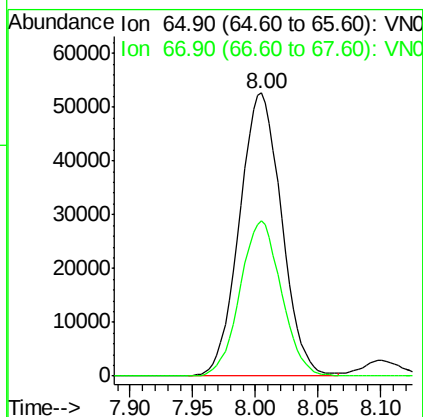
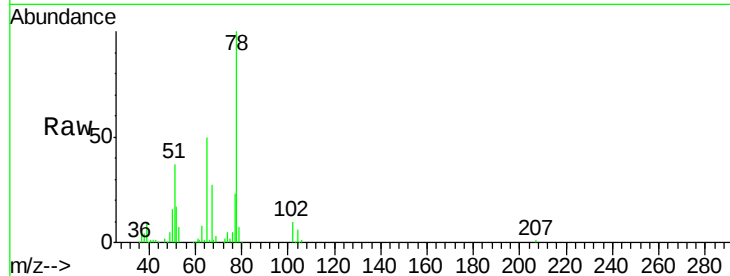




#33
 1,2-Dichloroethane-d4
 Concen: 49.219 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

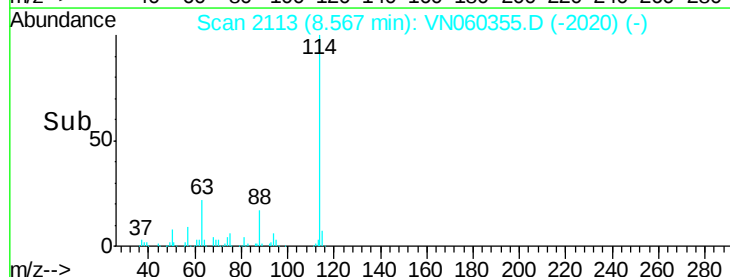
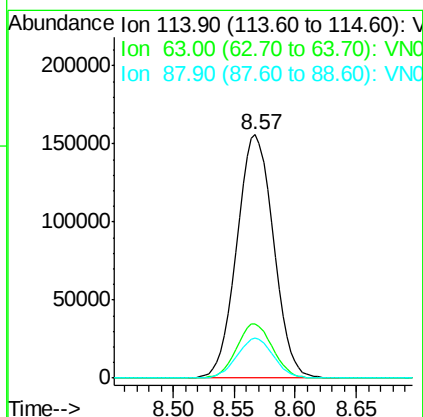
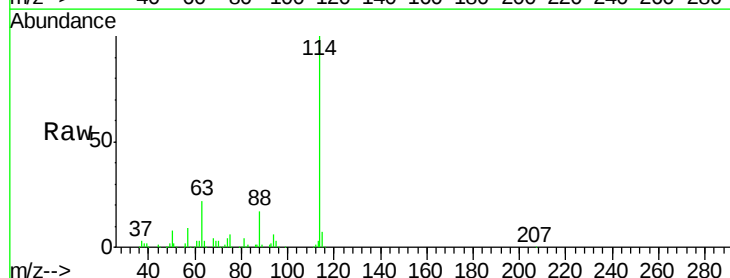
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 123239
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion: 114 Resp: 324211
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.2
 88 16.5 0.0 31.6

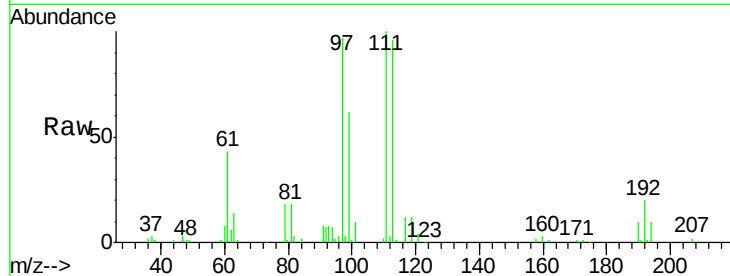




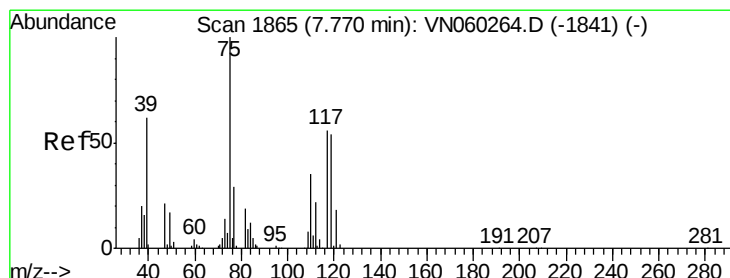
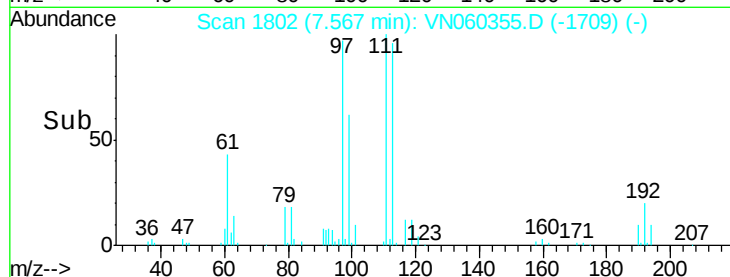
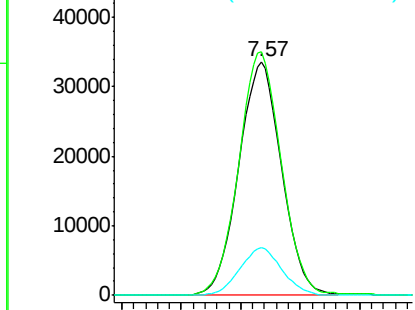
#35
 Dibromofluoromethane
 Concen: 55.397 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 113 Resp: 83366
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.4 123.6
 192 20.0 16.2 24.2

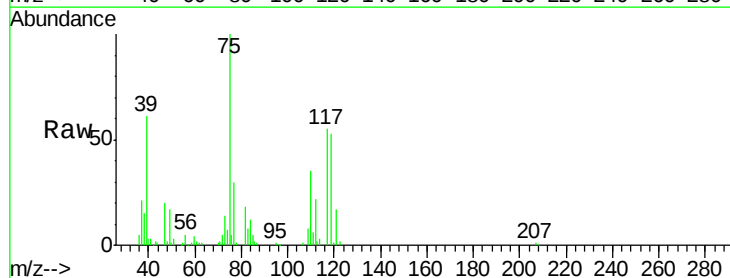


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

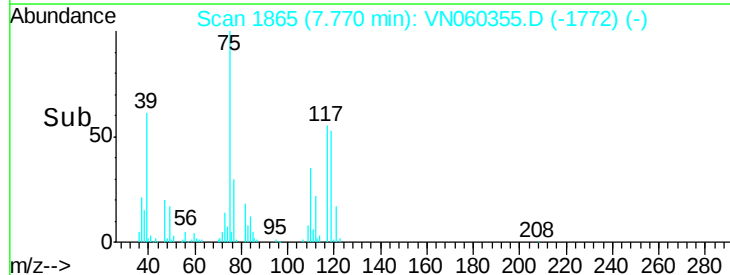
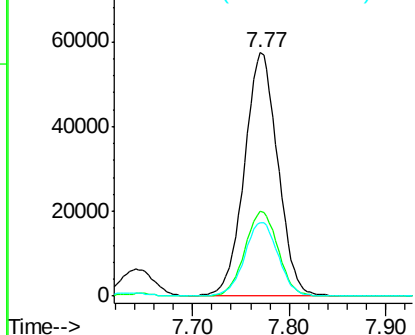


#36
 1,1-Dichloropropene
 Concen: 44.558 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion: 75 Resp: 137679
 Ion Ratio Lower Upper
 75 100
 110 34.5 17.3 52.0
 77 30.7 24.2 36.2



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

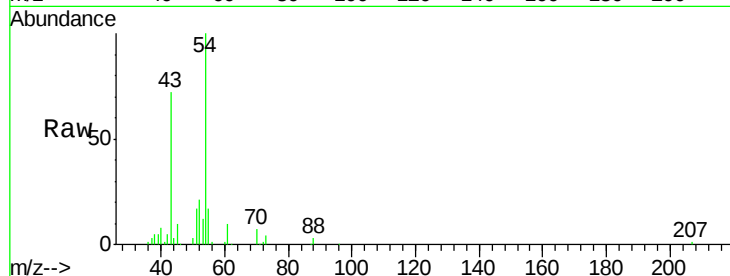




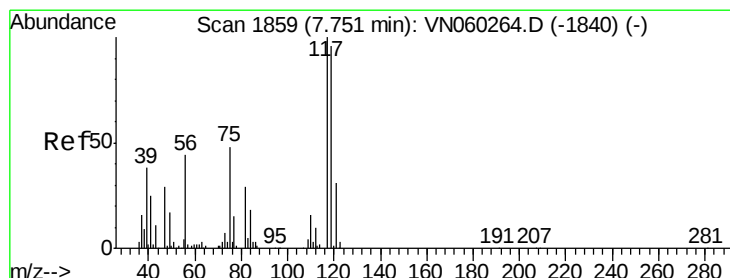
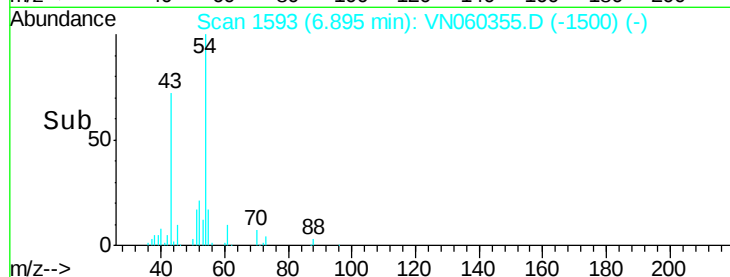
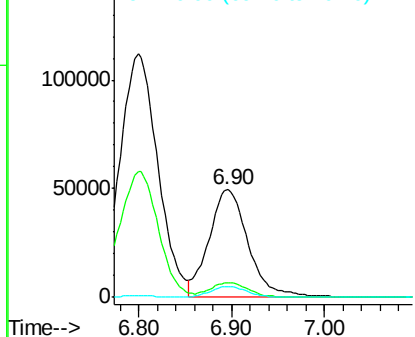
#37
 Ethyl Acetate
 Concen: 48.805 ug/l
 RT: 6.90 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 142792
 Ion Ratio Lower Upper
 43 100
 61 13.6 11.1 16.7
 70 9.9 8.4 12.6

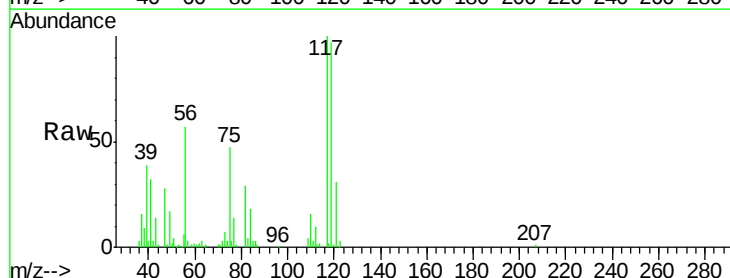


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

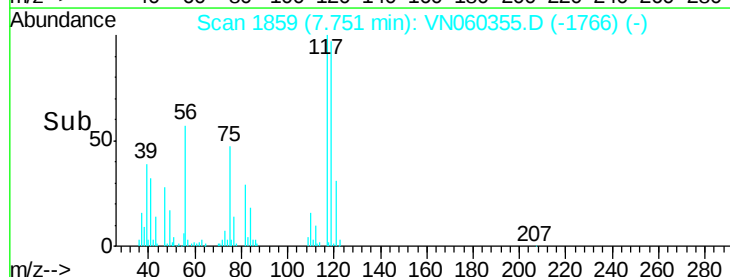
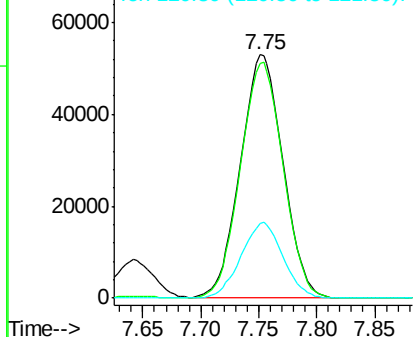


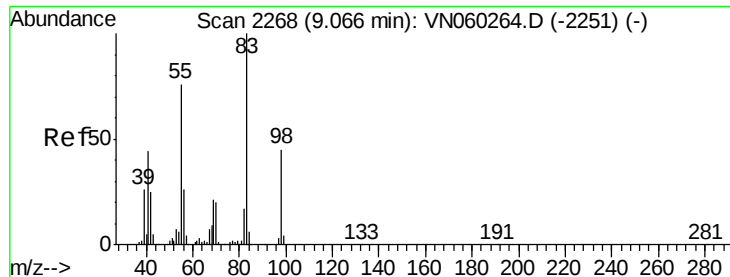
#38
 Carbon Tetrachloride
 Concen: 45.120 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion: 117 Resp: 135739
 Ion Ratio Lower Upper
 117 100
 119 96.5 76.7 115.1
 121 30.5 24.5 36.7



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

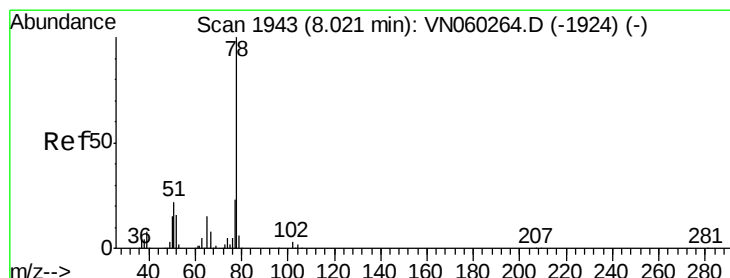
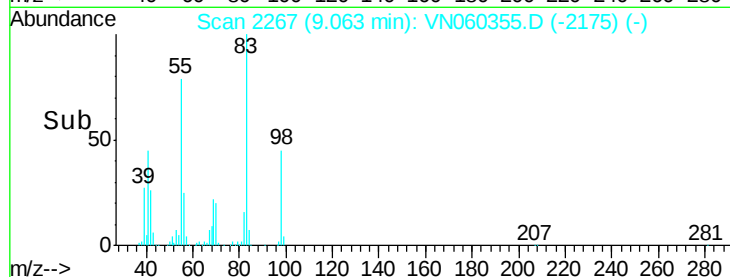
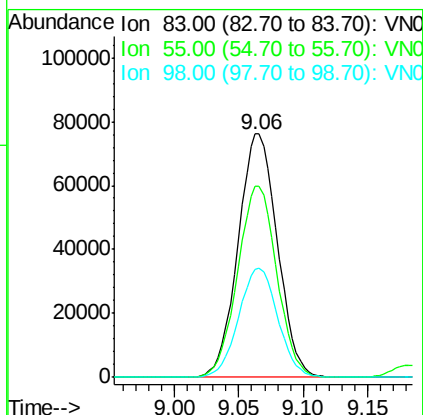
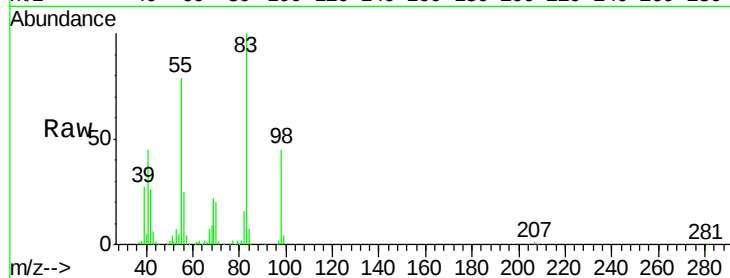




#39
Methylcyclohexane
Concen: 44.300 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

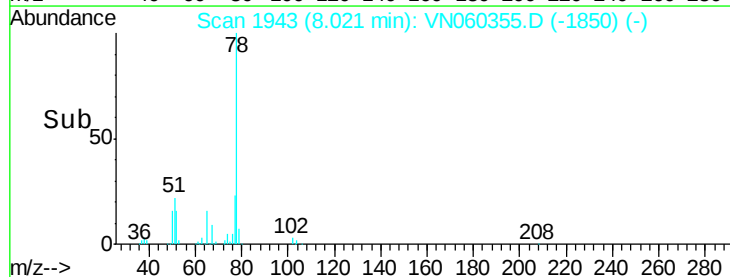
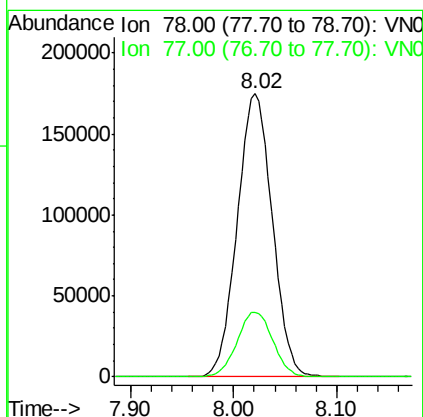
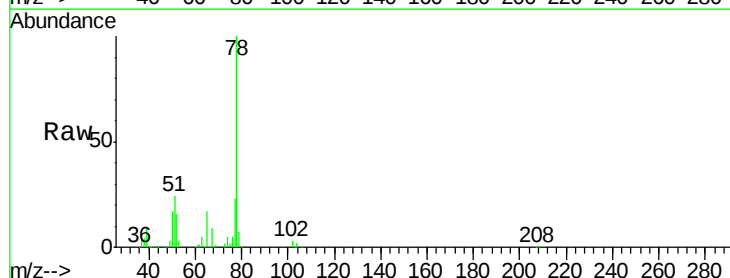
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 161391
Ion Ratio Lower Upper
83 100
55 78.7 61.0 91.4
98 44.5 36.1 54.1



#40
Benzene
Concen: 45.927 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 78 Resp: 413038
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

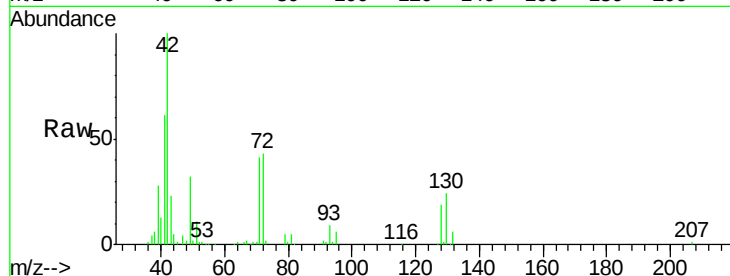




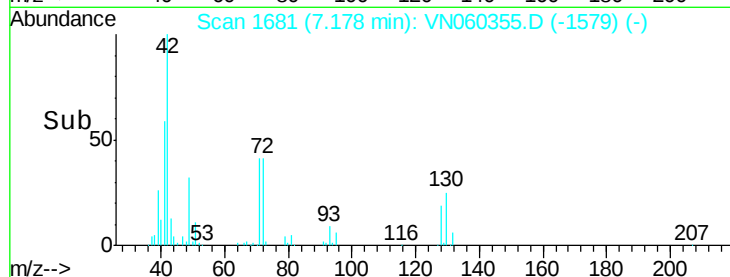
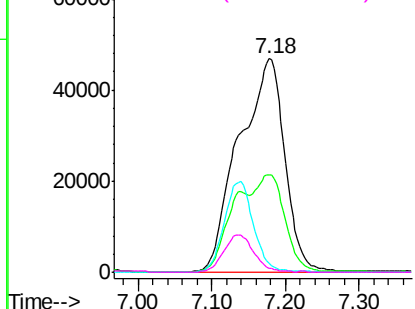
#41
Methacrylonitrile
Concen: 149.462 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	201911
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

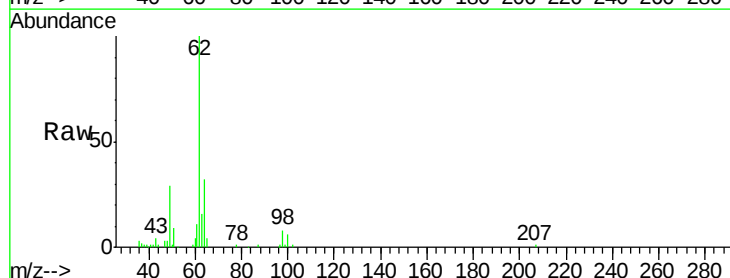


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

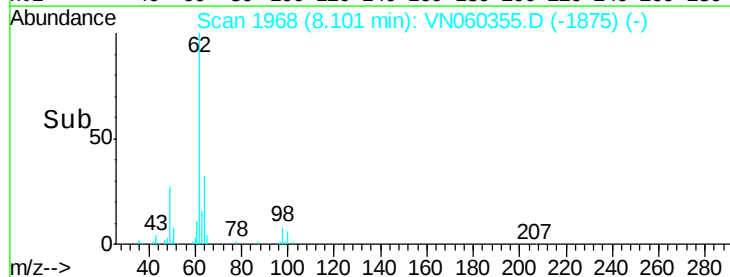
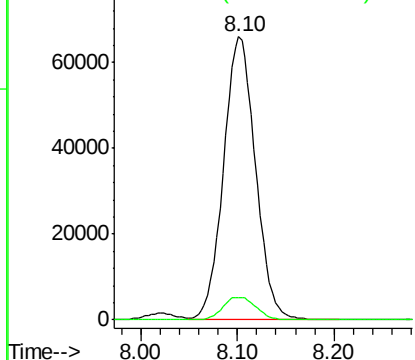


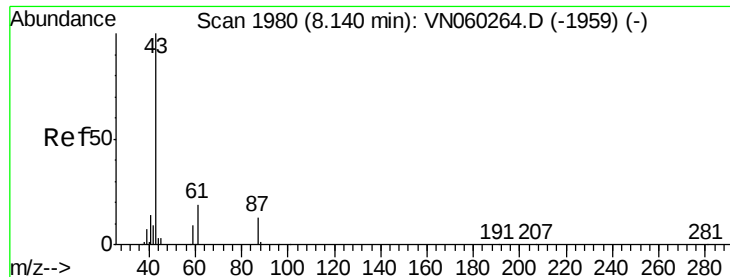
#42
1,2-Dichloroethane
Concen: 46.761 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion:	62	Resp:	151755
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 47.611 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

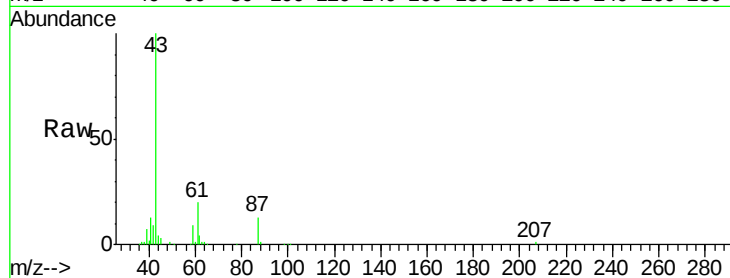
Tgt Ion: 43 Resp: 243864

Ion Ratio Lower Upper

43 100

61 26.1 20.9 31.3

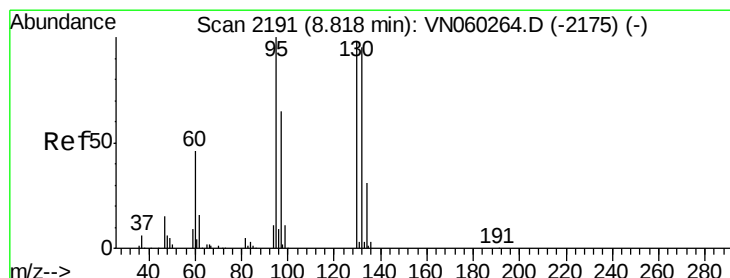
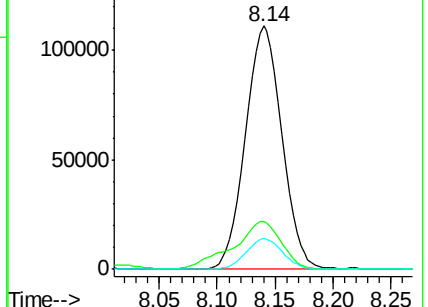
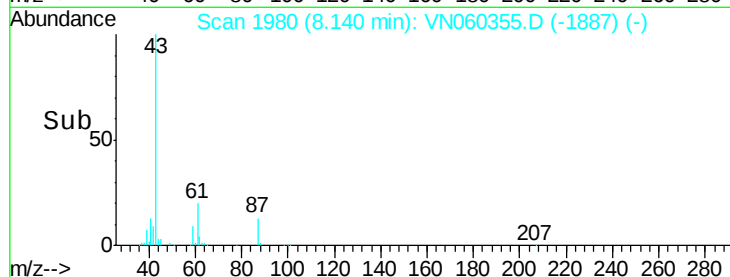
87 12.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060355.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060355.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060355.D (-1887) (-)



#44

Trichloroethene

Concen: 43.111 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060355.D

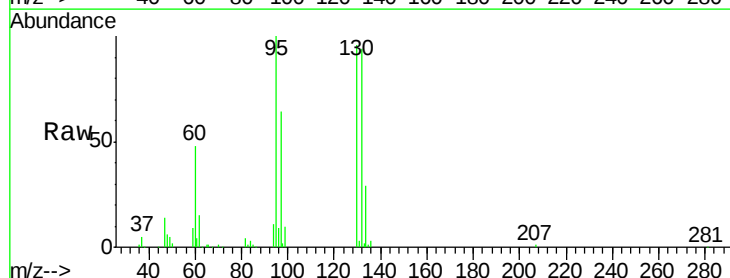
Acq: 4 Mar 2020 17:43

Tgt Ion: 130 Resp: 107980

Ion Ratio Lower Upper

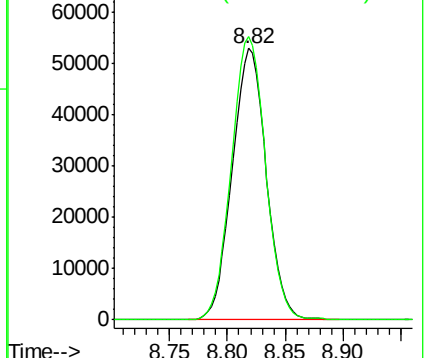
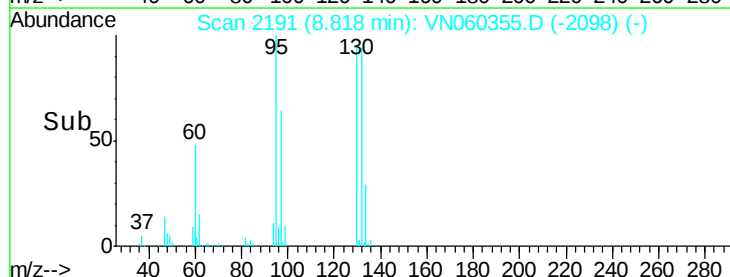
130 100

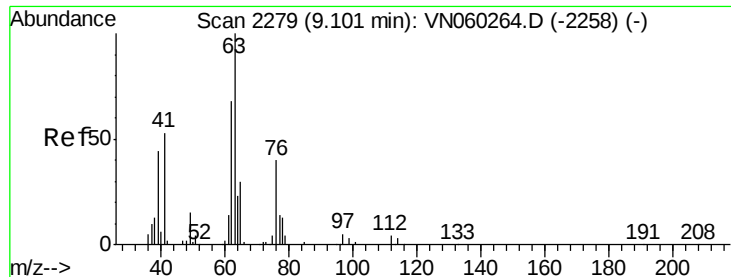
95 104.3 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060355.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060355.D (-2098) (-)

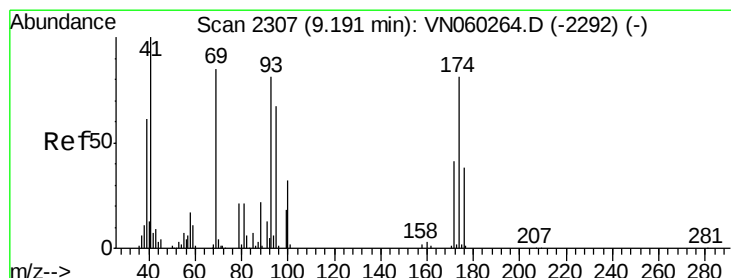
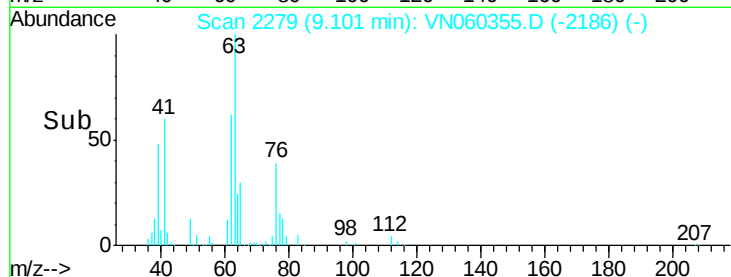
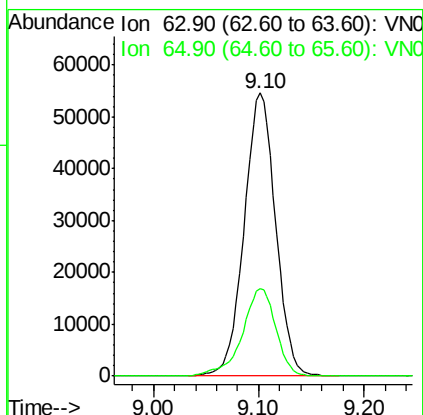
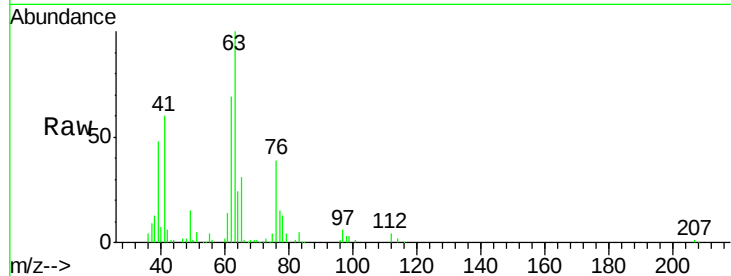




#45
 1,2-Dichloropropane
 Concen: 48.191 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

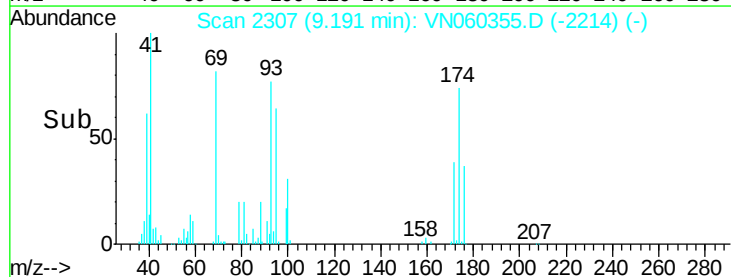
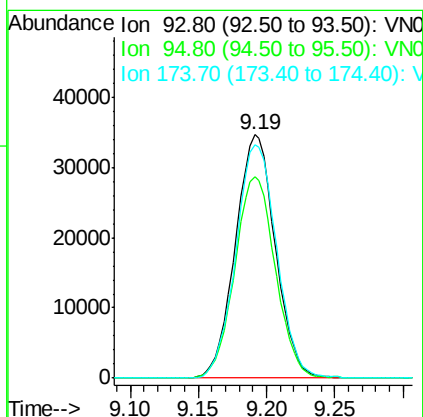
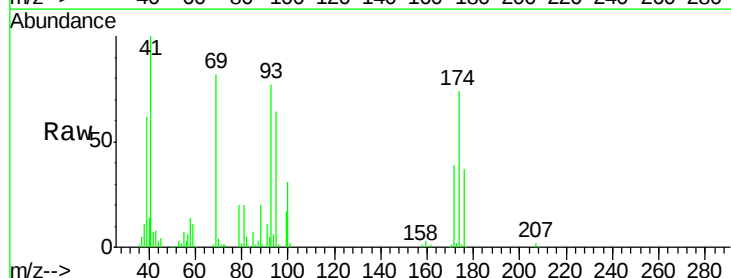
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

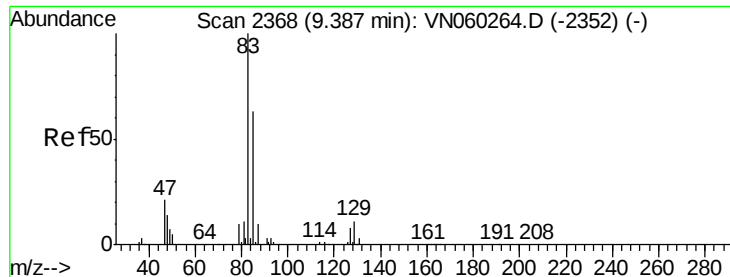
Tgt Ion: 63 Resp: 113314
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6



#46
 Dibromomethane
 Concen: 46.239 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion: 93 Resp: 70547
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.9 98.9
 174 97.9 79.6 119.4





#47

Bromodichloromethane

Concen: 48.395 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

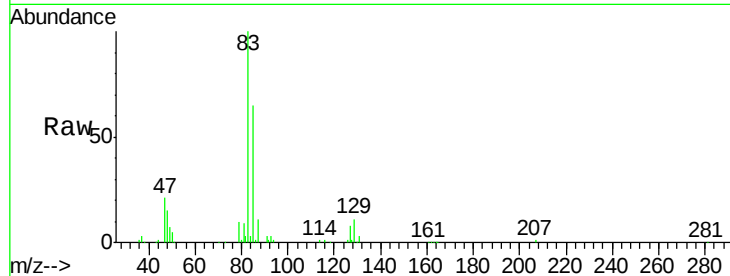
Tgt Ion: 83 Resp: 150170

Ion Ratio Lower Upper

83 100

85 64.6 50.7 76.1

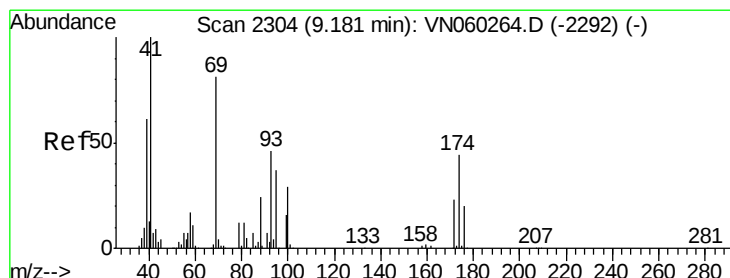
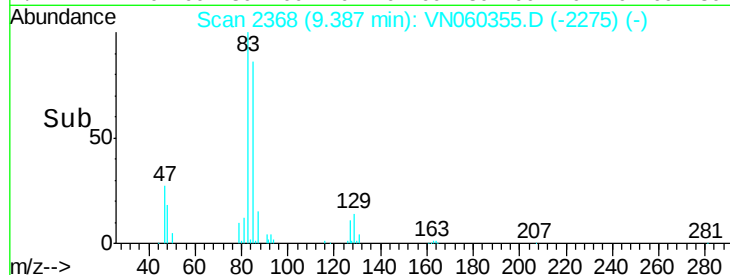
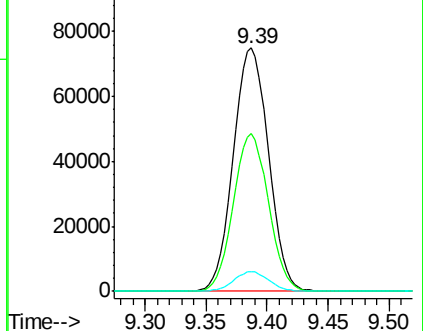
127 8.2 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060355.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060355.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060355.D (-2275) (-)



#48

Methyl methacrylate

Concen: 46.647 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

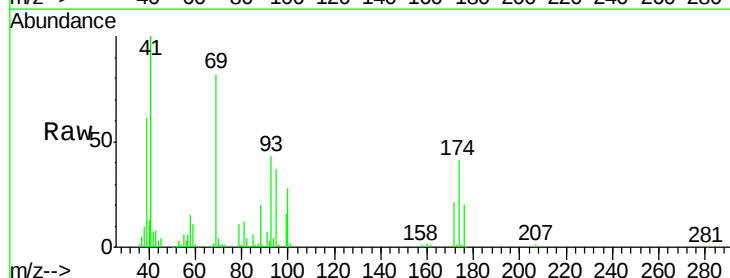
Tgt Ion: 41 Resp: 108953

Ion Ratio Lower Upper

41 100

69 83.8 66.7 100.1

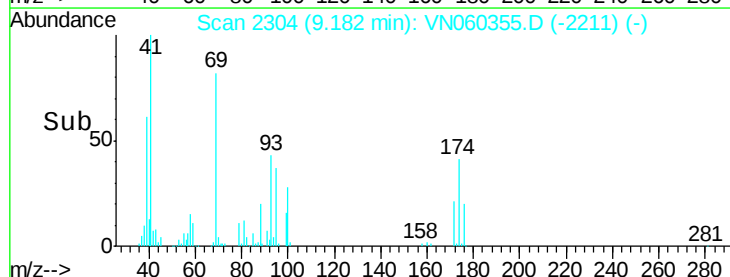
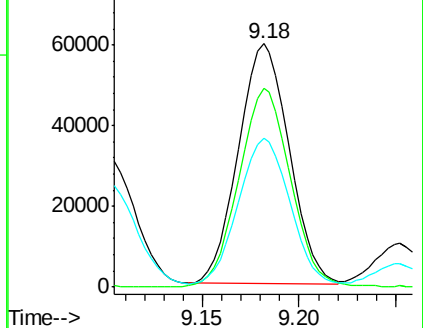
39 63.9 50.1 75.1

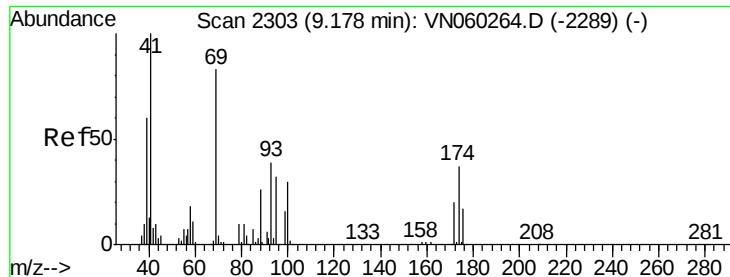


Abundance Ion 41.00 (40.70 to 41.70): VN060355.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060355.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060355.D (-2211) (-)

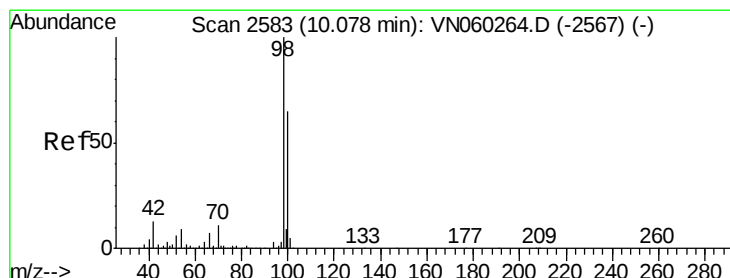
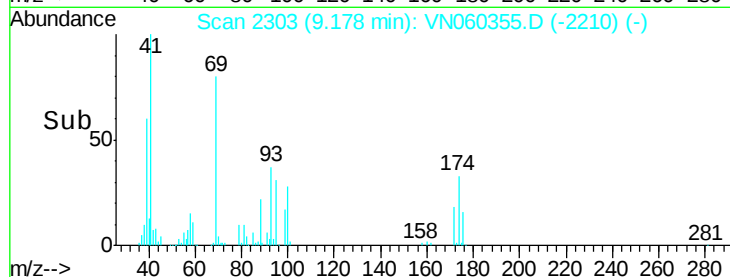
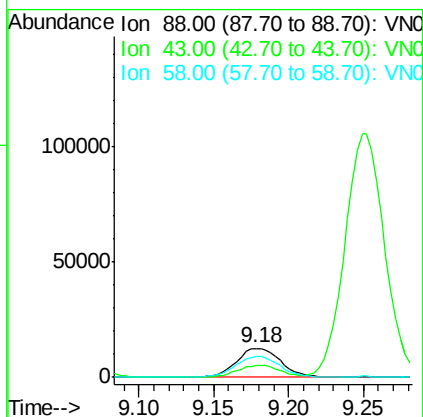
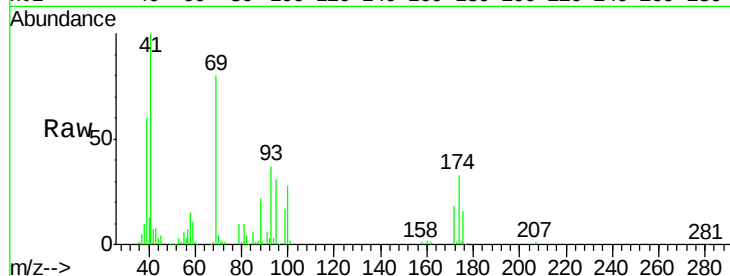




#49
1,4-Dioxane
Concen: 794.793 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

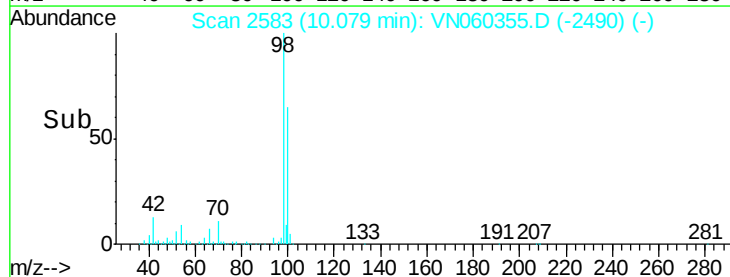
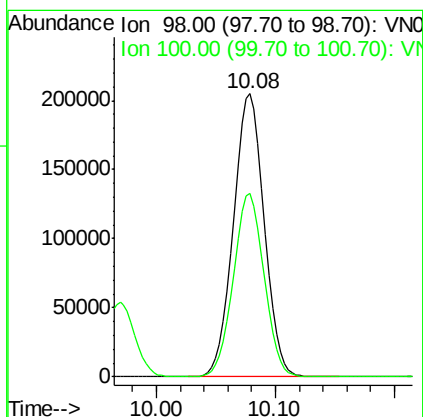
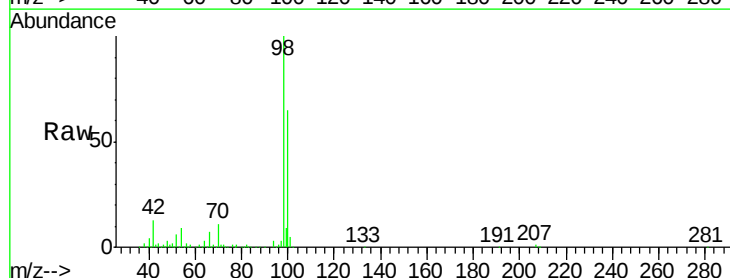
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 26106
Ion Ratio Lower Upper
88 100
43 40.2 30.4 45.6
58 71.7 57.0 85.6



#50
Toluene-d8
Concen: 48.231 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 98 Resp: 367348
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

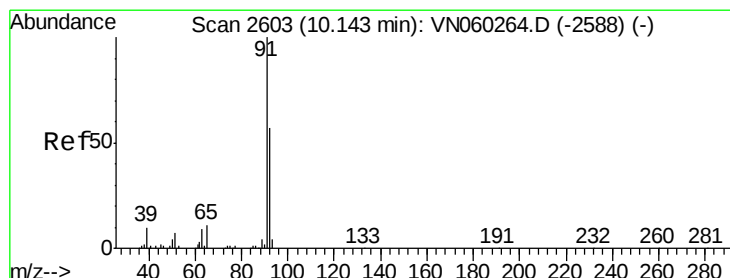
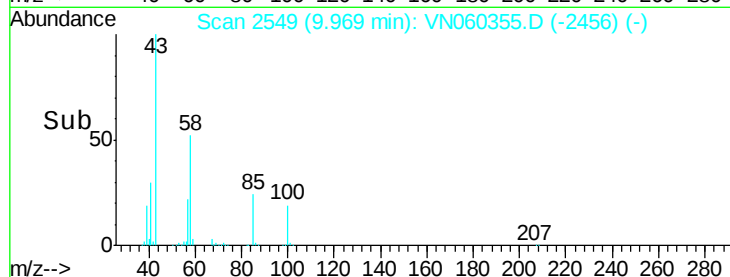
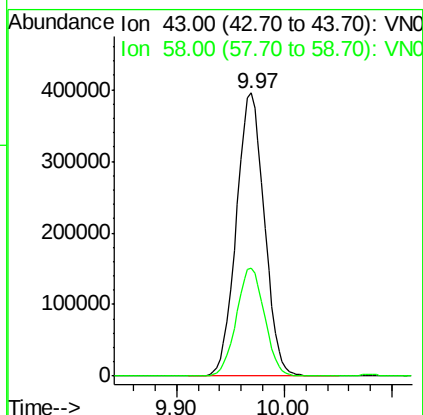
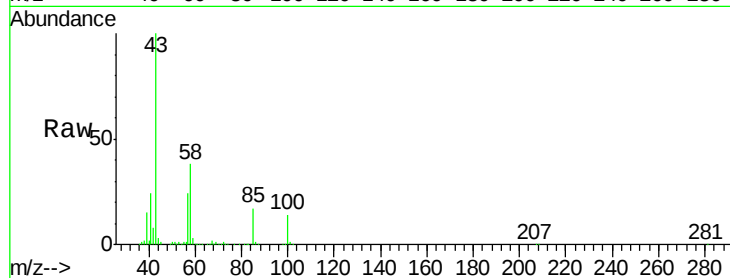




#51
 4-Methyl-2-Pentanone
 Concen: 246.654 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

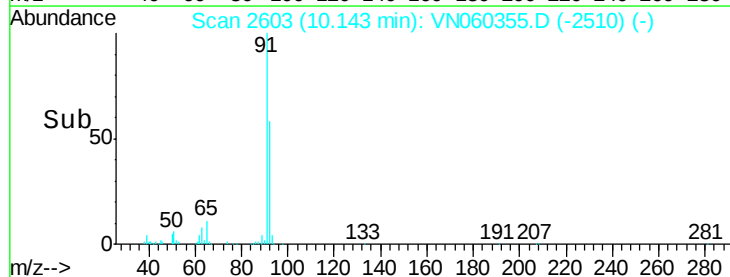
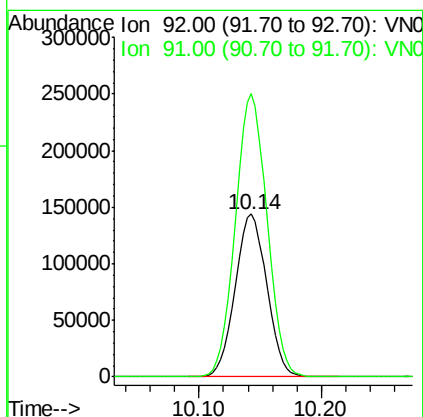
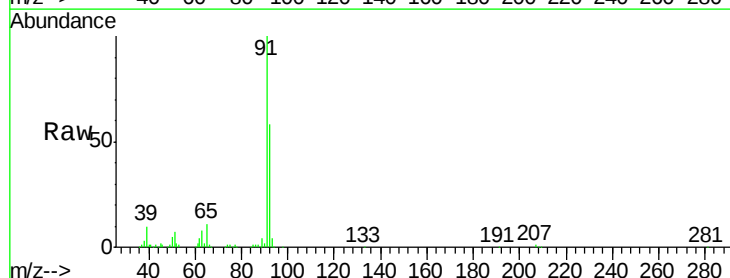
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 716305
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3



#52
 Toluene
 Concen: 45.706 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion: 92 Resp: 258207
 Ion Ratio Lower Upper
 92 100
 91 173.7 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 45.628 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

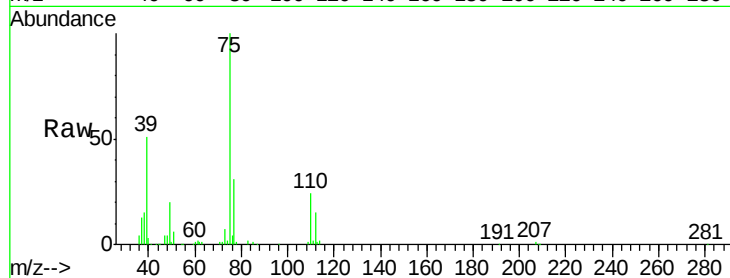
VSTDCCC050EC

Tgt Ion: 75 Resp: 173487

Ion Ratio Lower Upper

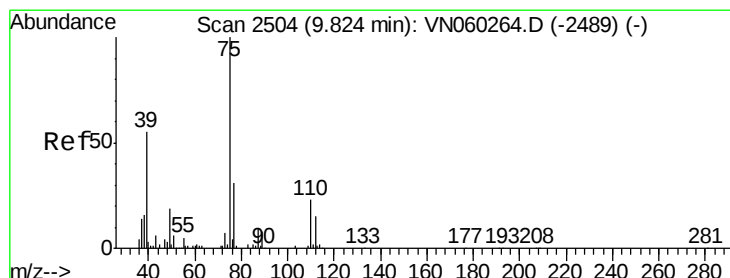
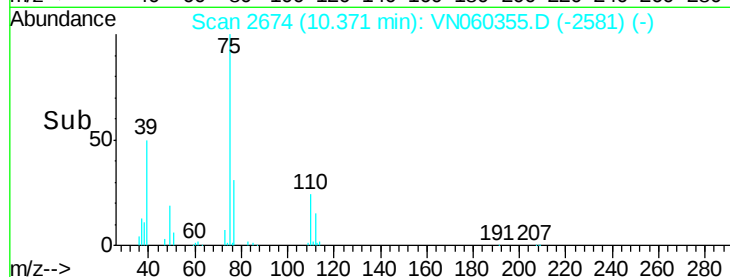
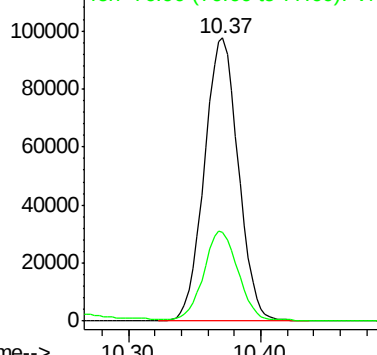
75 100

77 31.1 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 46.438 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

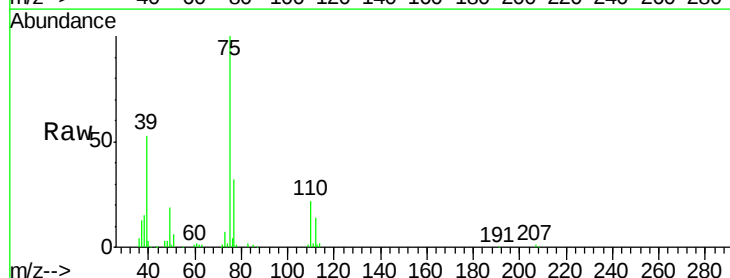
Tgt Ion: 75 Resp: 182961

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

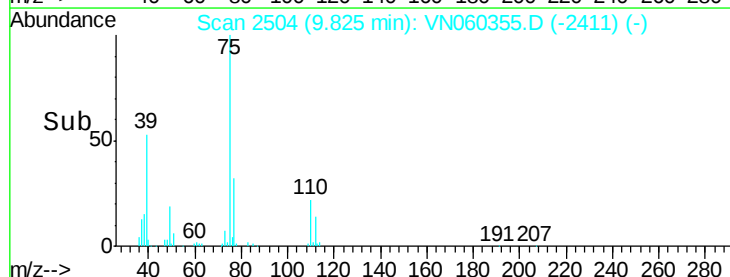
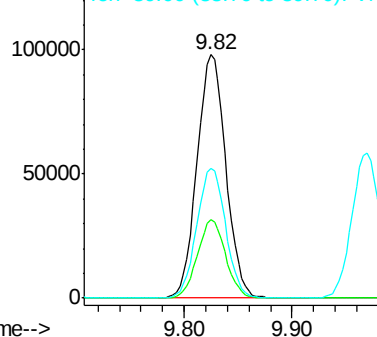
39 53.4 43.8 65.8

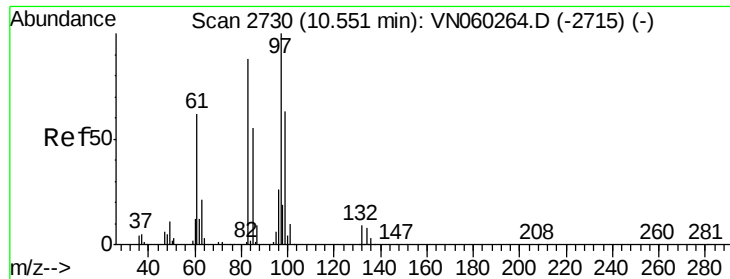


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 45.475 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 103310

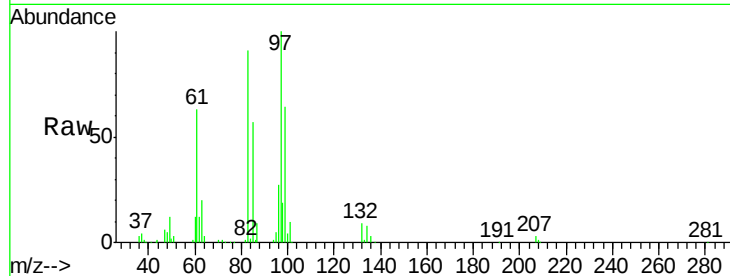
Ion Ratio Lower Upper

97 100

83 91.1 70.0 105.0

85 57.3 44.0 66.0

99 63.8 50.4 75.6

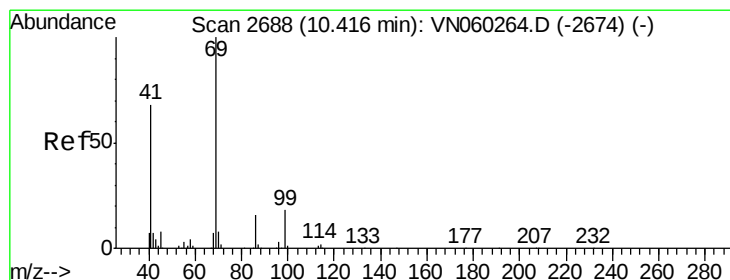
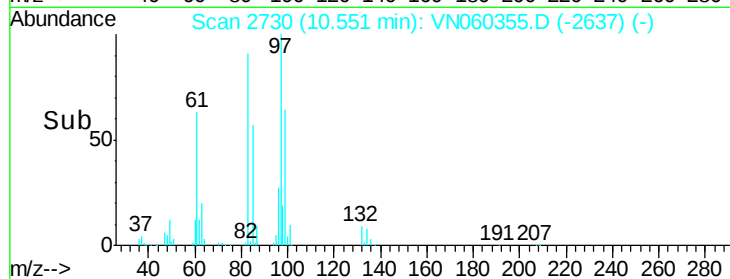
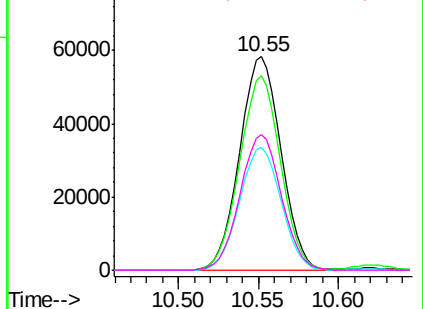


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.725 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

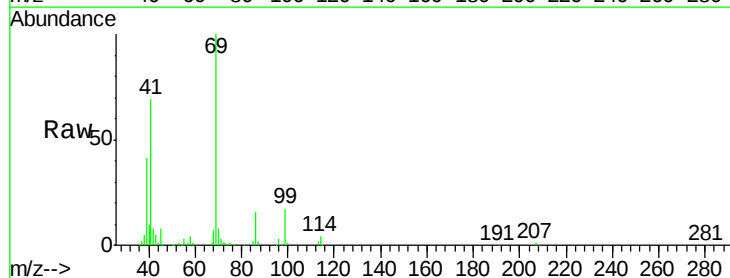
Tgt Ion: 69 Resp: 162292

Ion Ratio Lower Upper

69 100

41 68.2 54.1 81.1

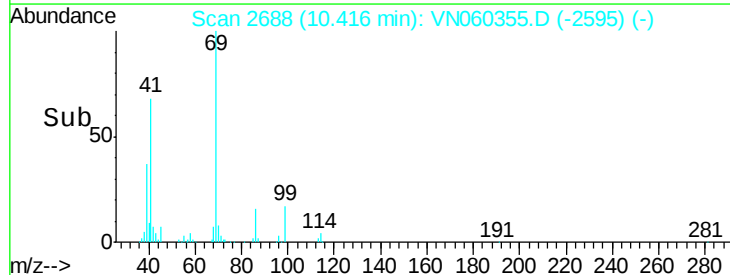
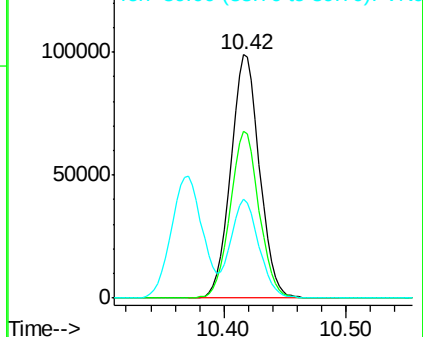
39 40.8 32.5 48.7



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: 47.504 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

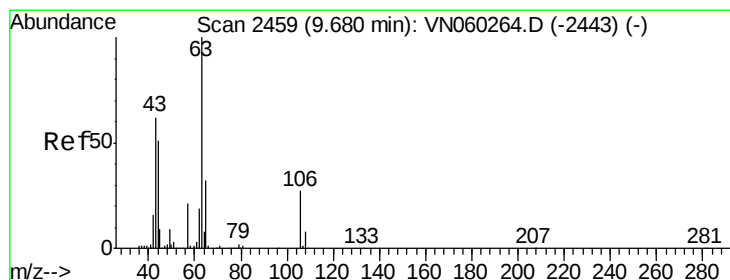
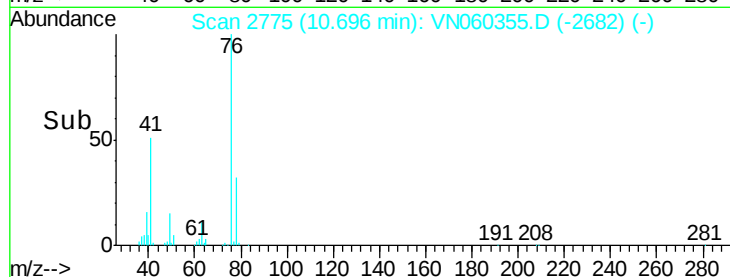
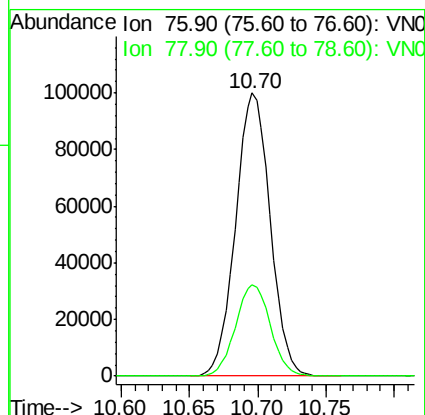
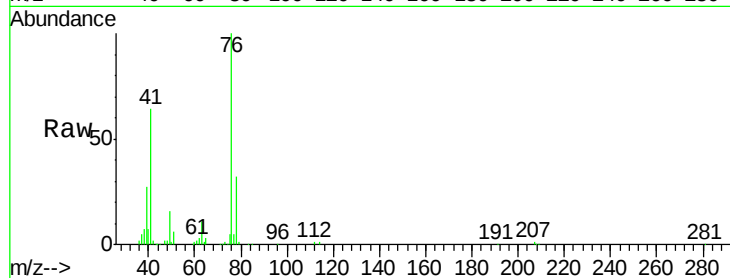
VSTDCCC050EC

Tgt Ion: 76 Resp: 175999

Ion Ratio Lower Upper

76 100

78 32.7 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 239.249 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060355.D

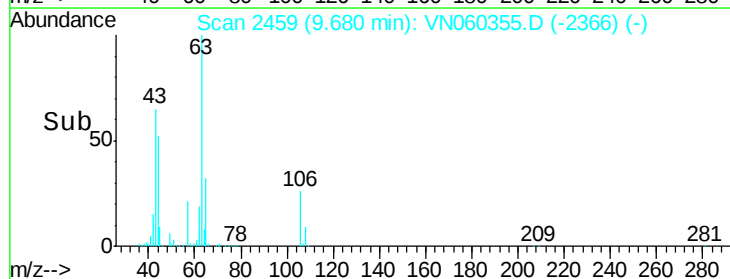
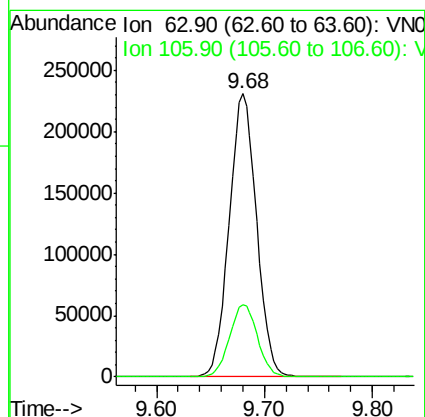
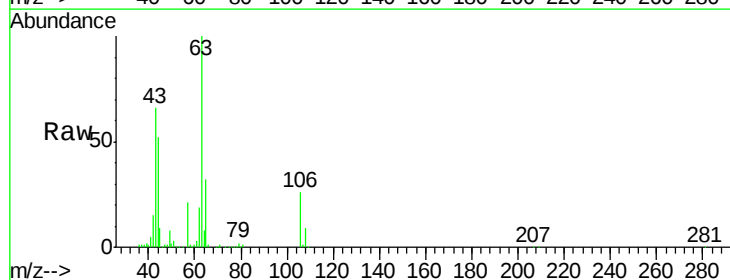
Acq: 4 Mar 2020 17:43

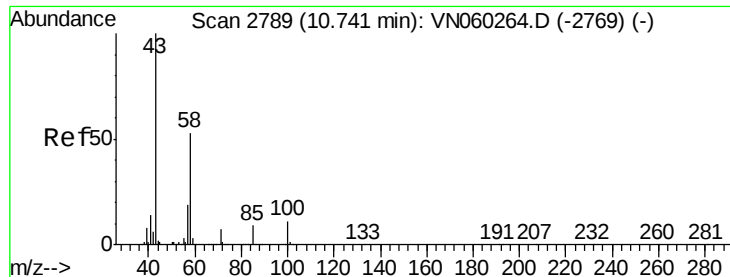
Tgt Ion: 63 Resp: 408396

Ion Ratio Lower Upper

63 100

106 26.1 21.1 31.7

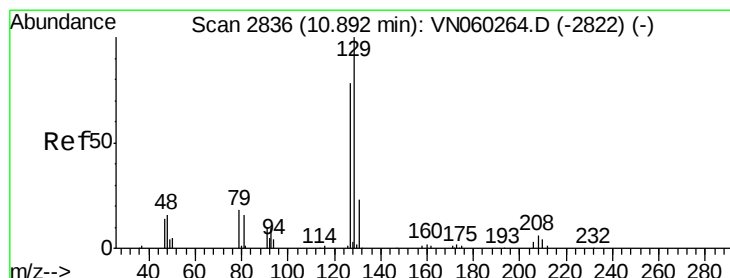
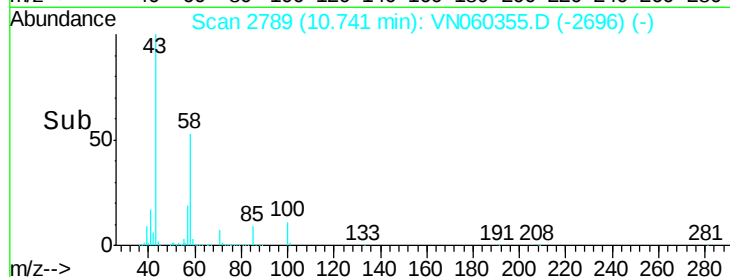
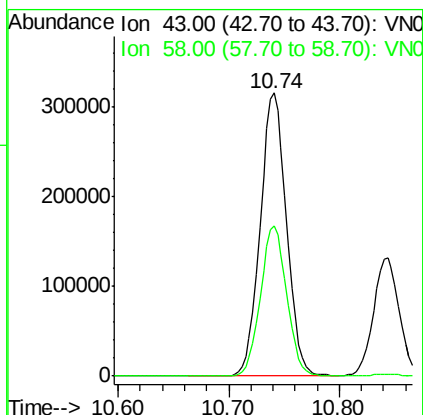
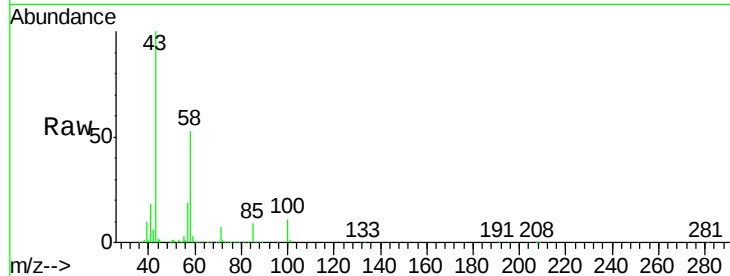




#59
2-Hexanone
Concen: 244.480 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

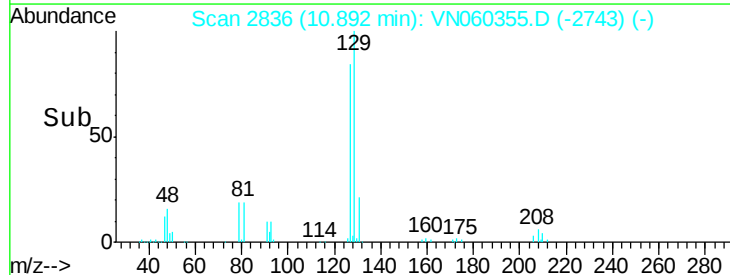
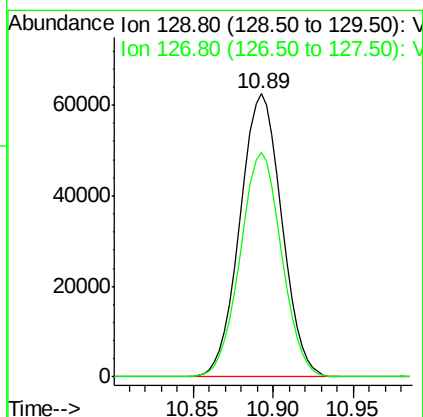
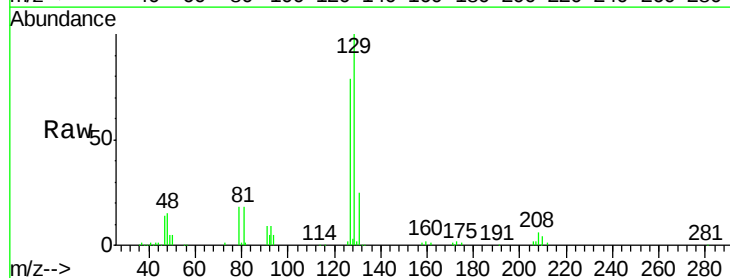
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 521292
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5



#60
Dibromochloromethane
Concen: 48.262 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 129 Resp: 111503
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 47.537 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

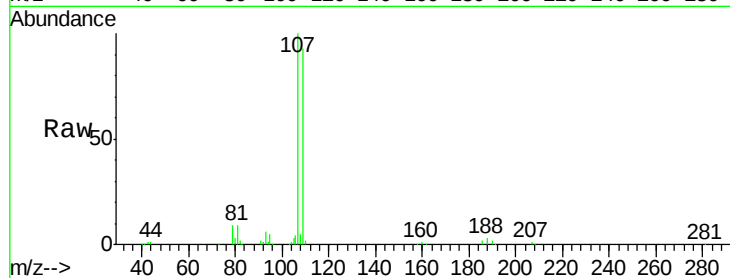
VSTDCCC050EC

Tgt Ion: 107 Resp: 105276

Ion Ratio Lower Upper

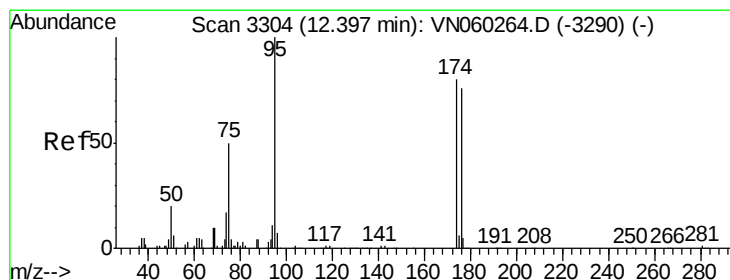
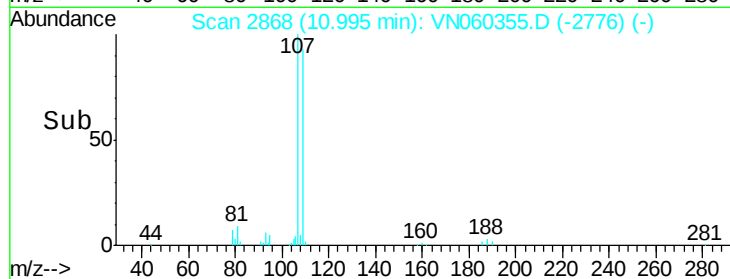
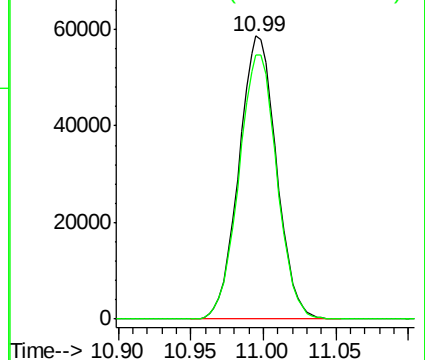
107 100

109 94.6 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.946 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

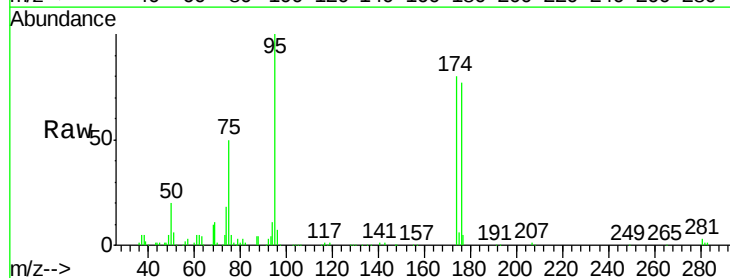
Tgt Ion: 95 Resp: 141315

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.2

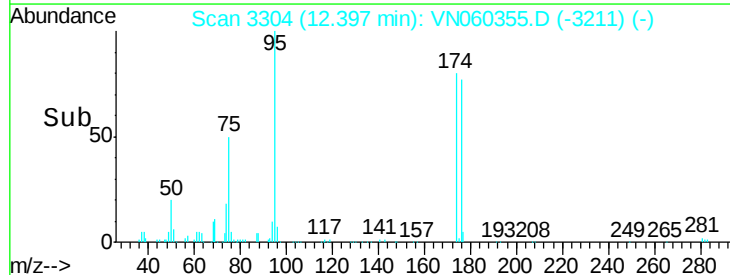
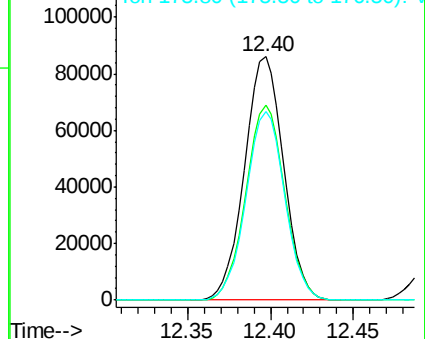
176 77.1 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

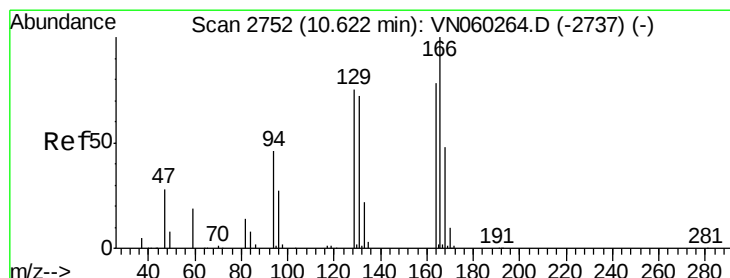
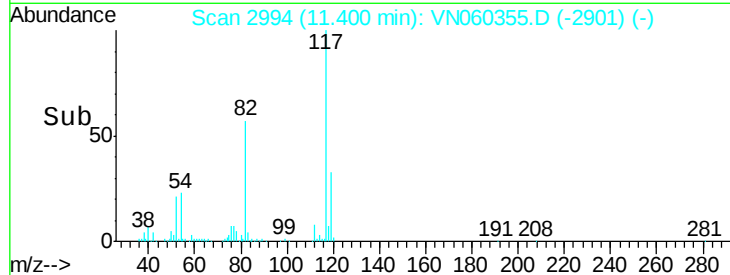
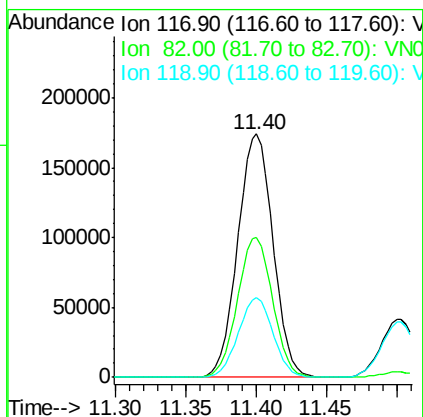
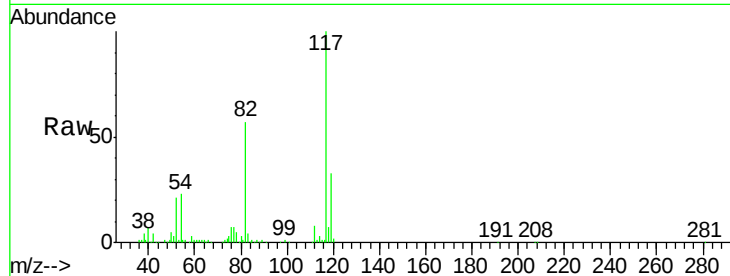




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

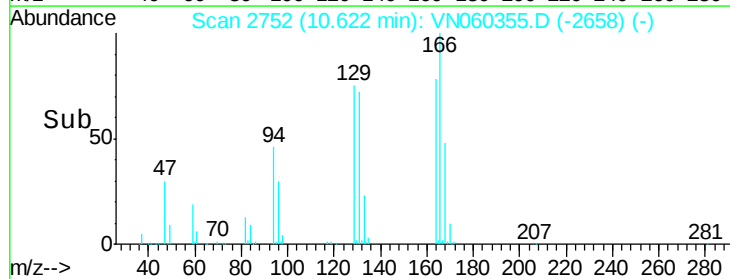
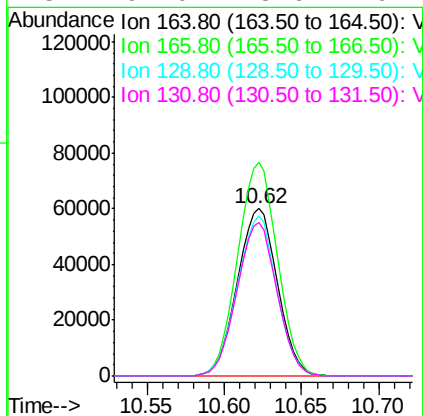
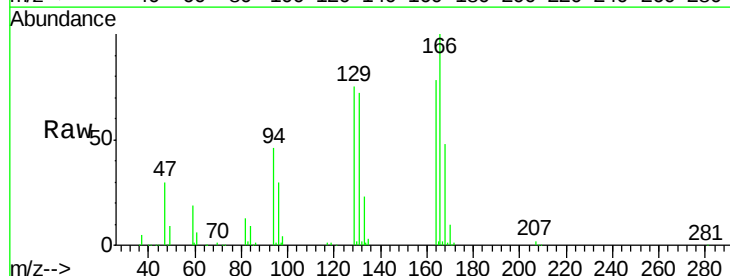
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

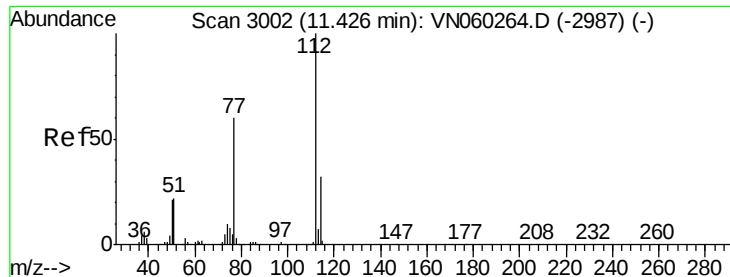
Tgt Ion:117 Resp: 305181
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 32.5 25.8 38.8



#64
Tetrachloroethene
Concen: 44.868 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion:164 Resp: 108159
Ion Ratio Lower Upper
164 100
166 127.5 102.0 153.0
129 95.2 76.4 114.6
131 92.0 73.6 110.4





#65

Chlorobenzene

Concen: 44.098 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

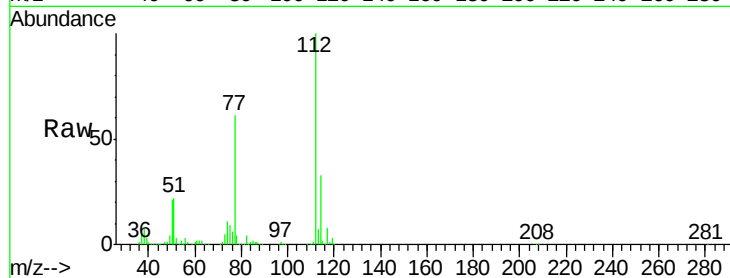
VSTDCCC050EC

Tgt Ion:112 Resp: 271751

Ion Ratio Lower Upper

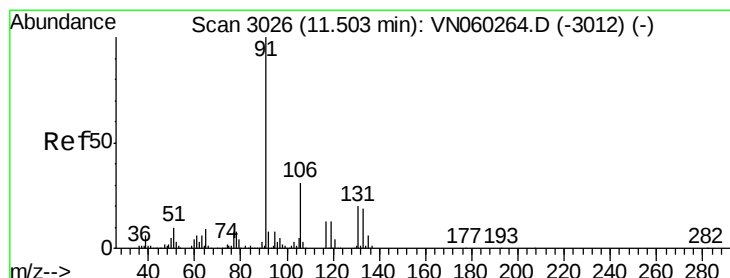
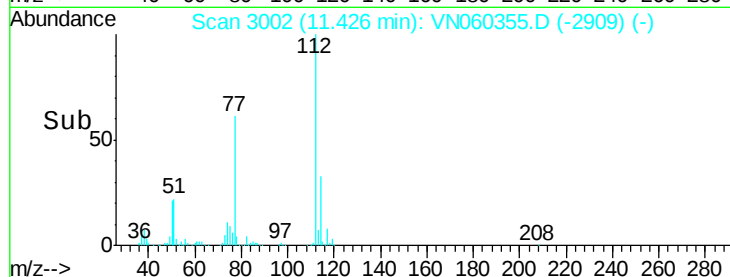
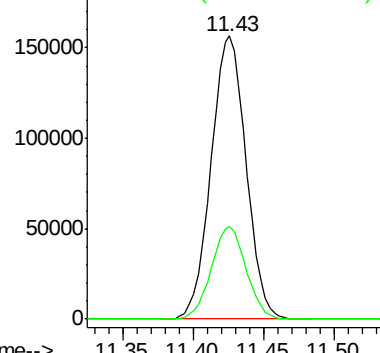
112 100

114 32.6 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 45.923 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

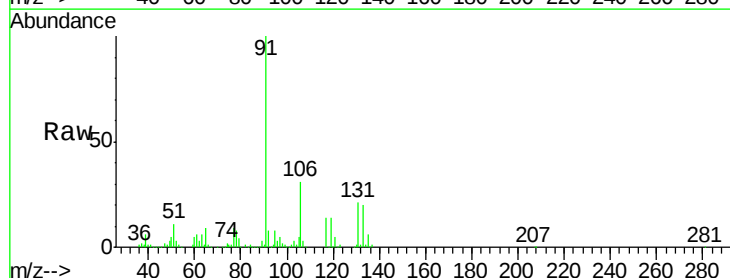
Tgt Ion:131 Resp: 104636

Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

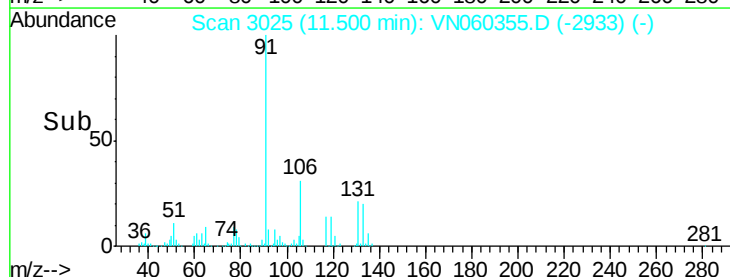
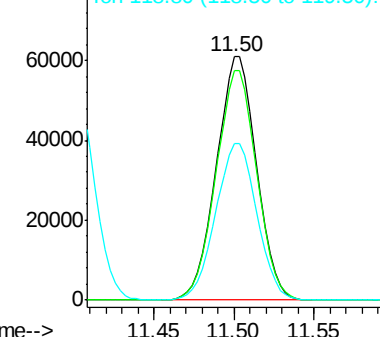
119 66.2 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

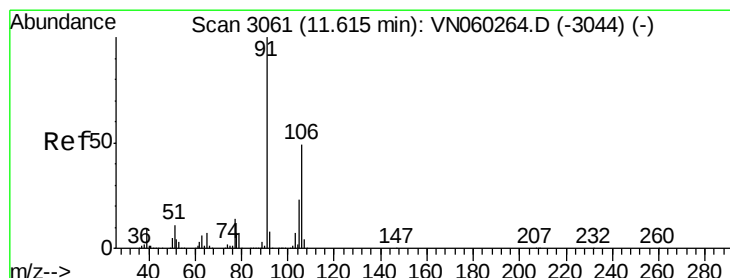
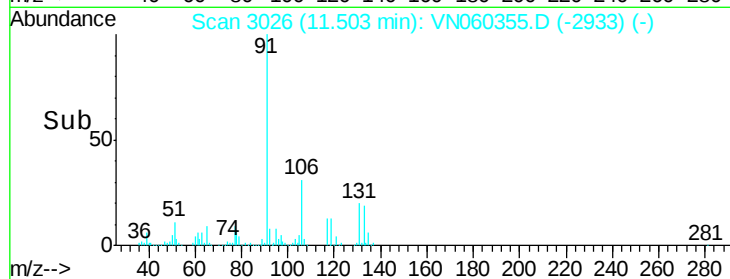
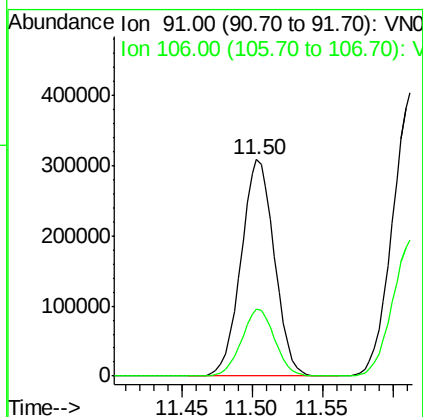
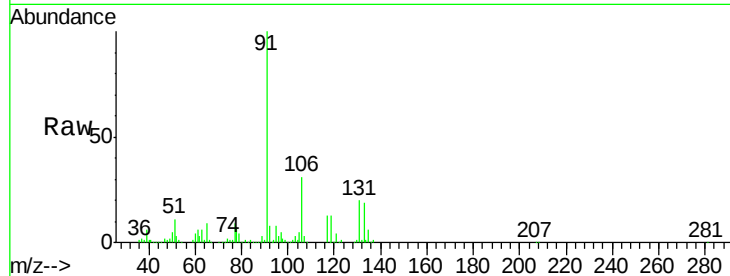




#67
Ethyl Benzene
Concen: 45.414 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

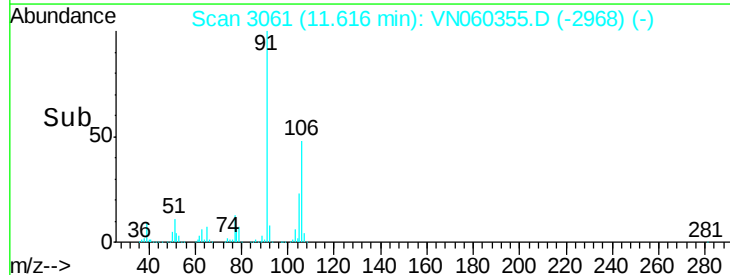
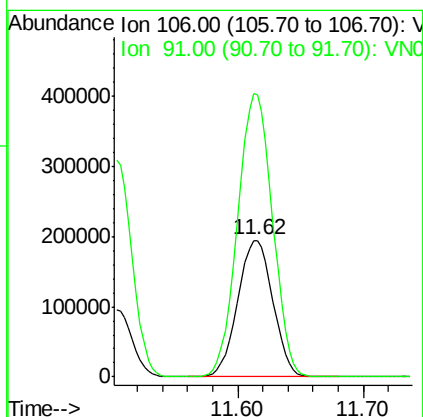
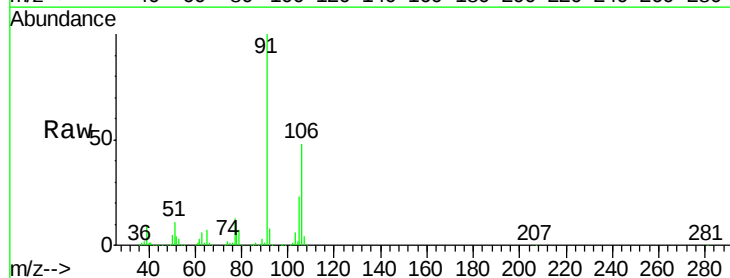
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

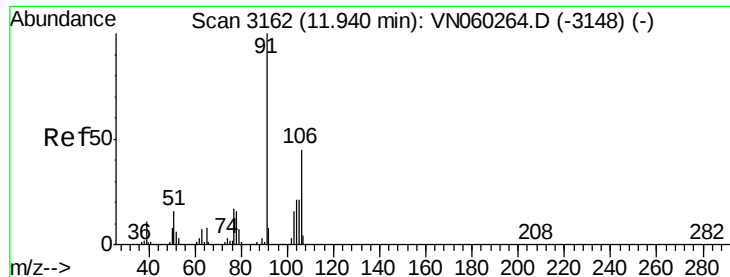
Tgt Ion: 91 Resp: 509646
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 89.128 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 106 Resp: 377370
Ion Ratio Lower Upper
106 100
91 206.6 164.5 246.7





#69

o-Xylene

Concen: 45.475 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

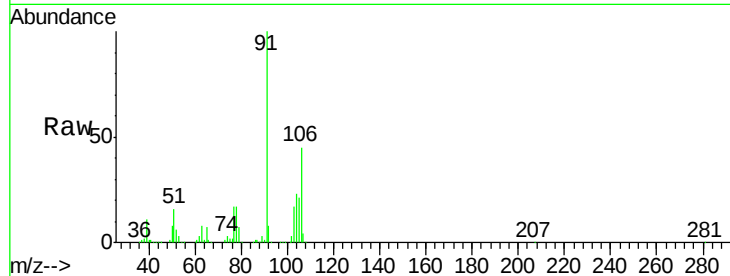
VSTDCCC050EC

Tgt Ion:106 Resp: 183608

Ion Ratio Lower Upper

106 100

91 217.6 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

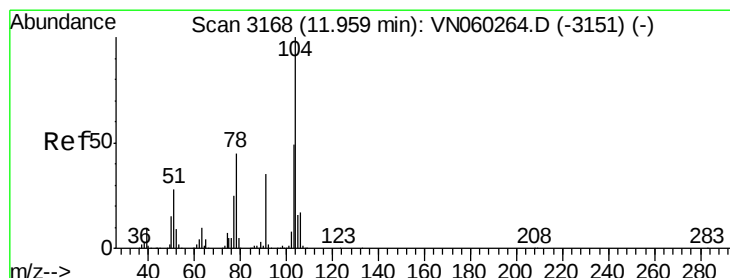
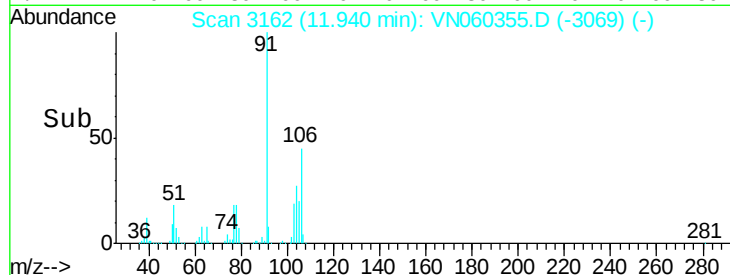
100000

50000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 46.115 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

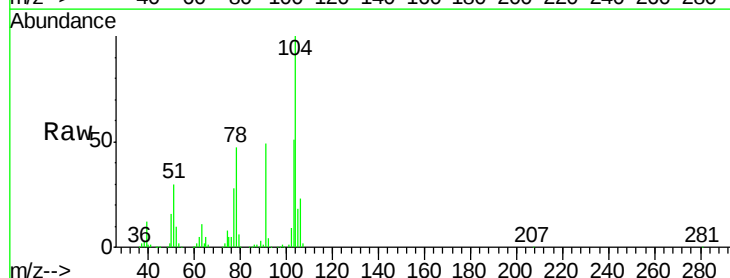
Tgt Ion:104 Resp: 306123

Ion Ratio Lower Upper

104 100

78 51.6 41.2 61.8

103 55.4 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

250000

200000

150000

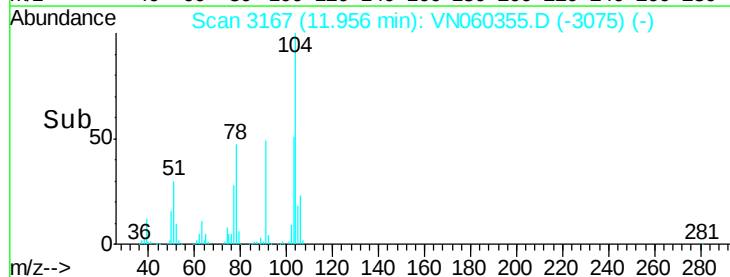
100000

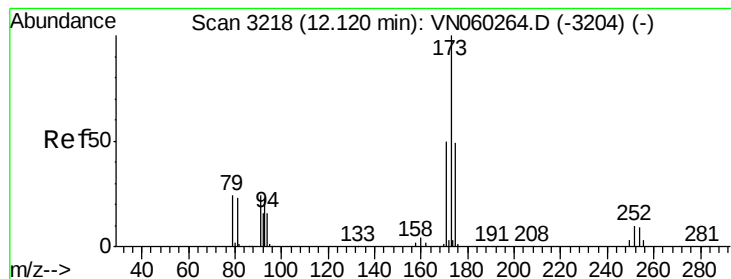
50000

0

11.90 11.95 12.00

Time-->





#71

Bromoform

Concen: 49.101 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

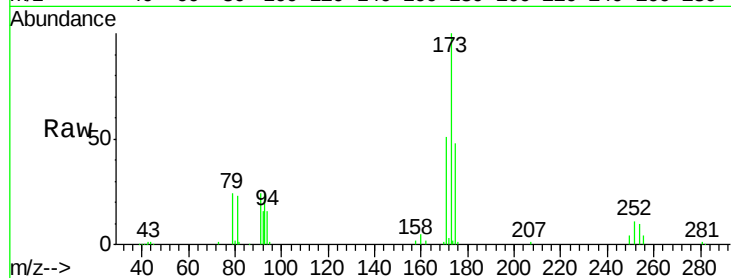
Tgt Ion:173 Resp: 80631

Ion Ratio Lower Upper

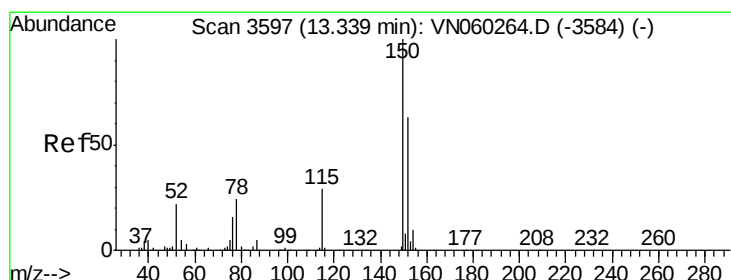
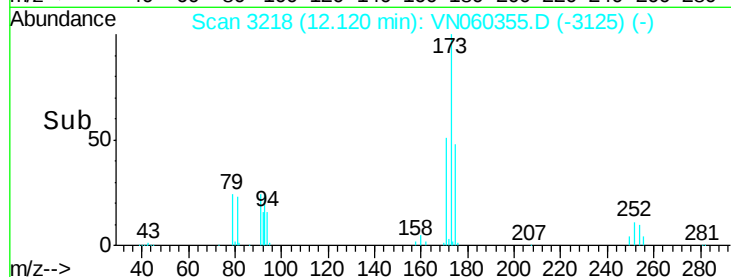
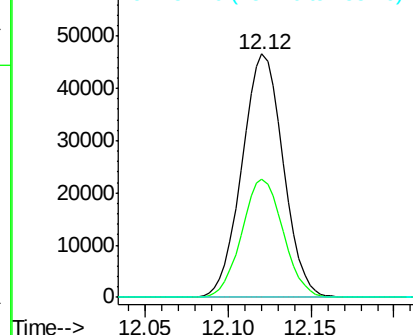
173 100

175 48.9 24.1 72.2

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: VN060355.D

Acq: 4 Mar 2020 17:43

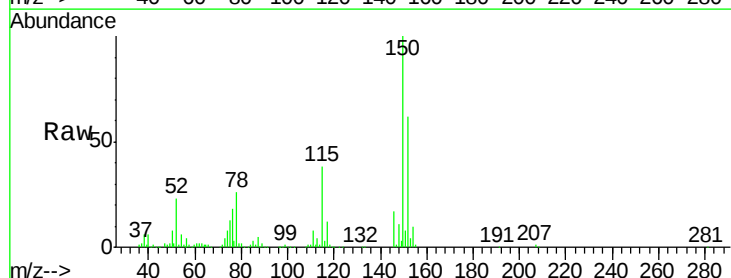
Tgt Ion:152 Resp: 151679

Ion Ratio Lower Upper

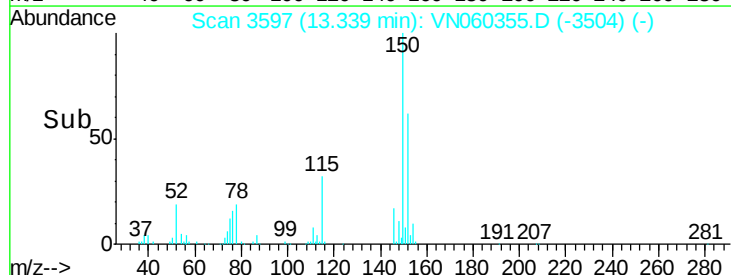
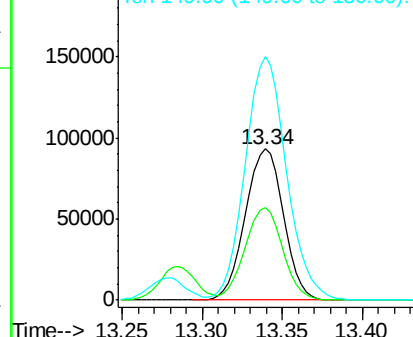
152 100

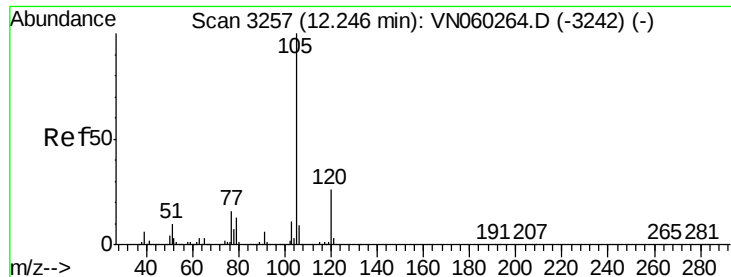
115 60.2 30.0 90.0

150 174.1 0.0 349.6



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: 44.532 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

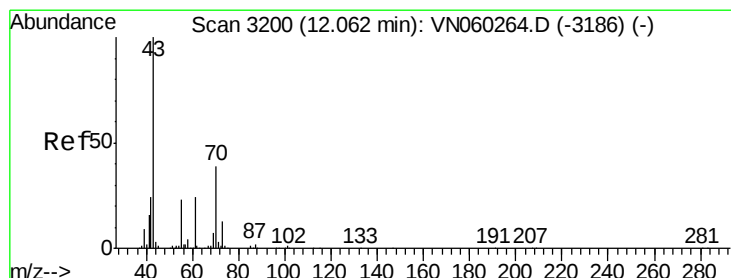
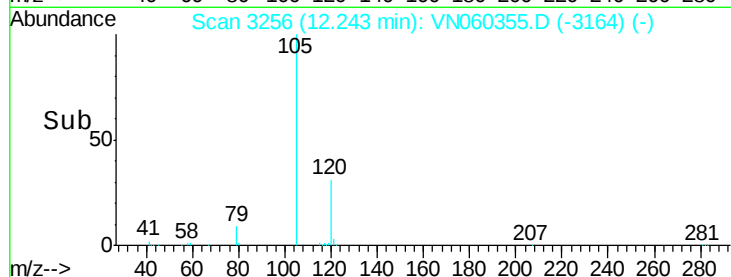
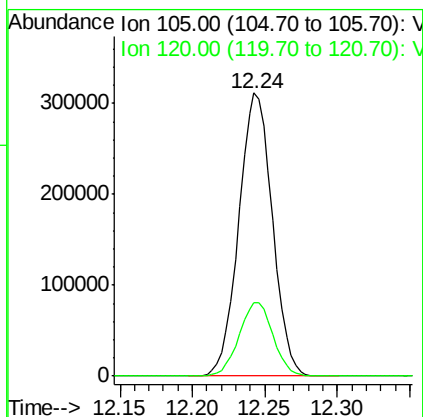
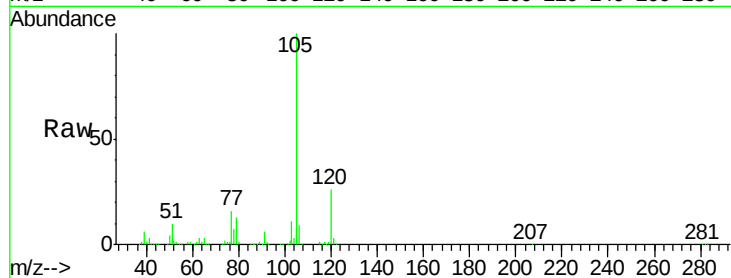
VSTDCCC050EC

Tgt Ion: 105 Resp: 500646

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



#74

N-ethyl acetate

Concen: 44.949 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion: 43 Resp: 220816

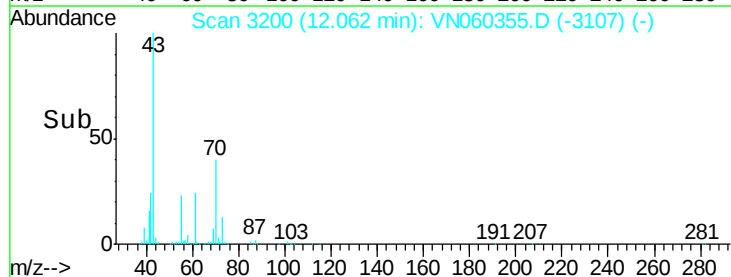
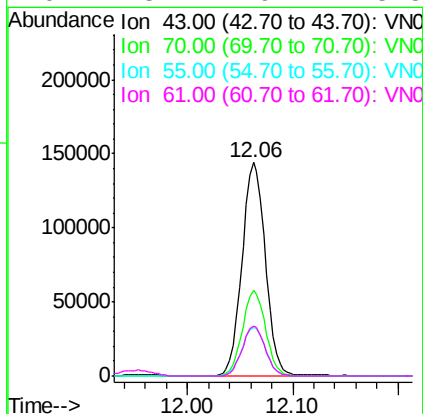
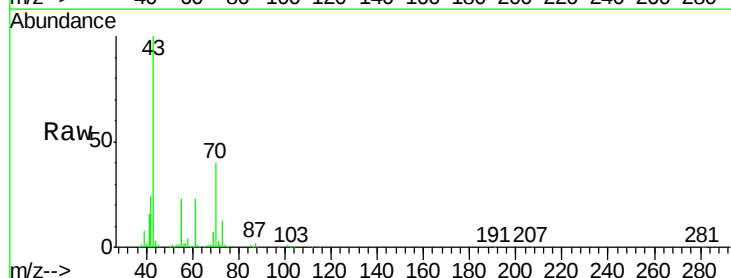
Ion Ratio Lower Upper

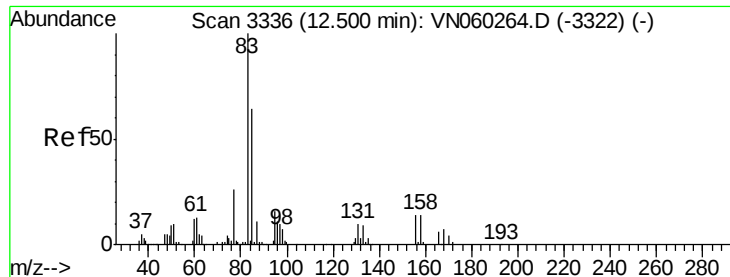
43 100

70 39.8 32.2 48.2

55 23.1 18.2 27.4

61 23.2 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.000 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

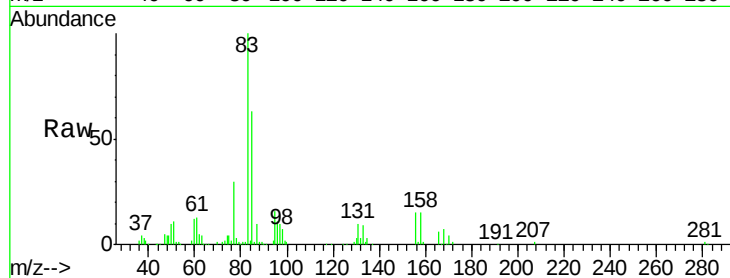
Tgt Ion: 83 Resp: 149742

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

85 63.8 32.3 96.8

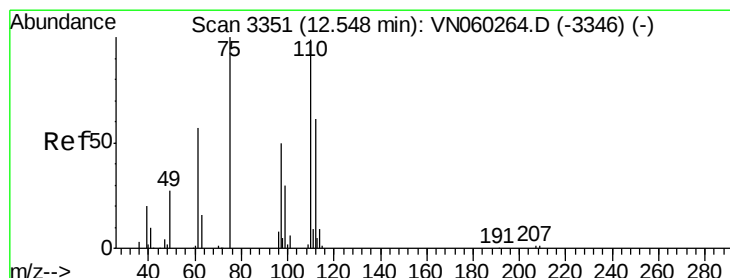
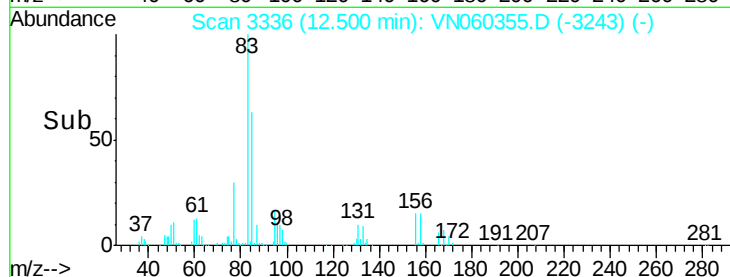


Abundance Ion 82.90 (82.60 to 83.60): VN060355.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060355.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060355.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 60.387 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060355.D

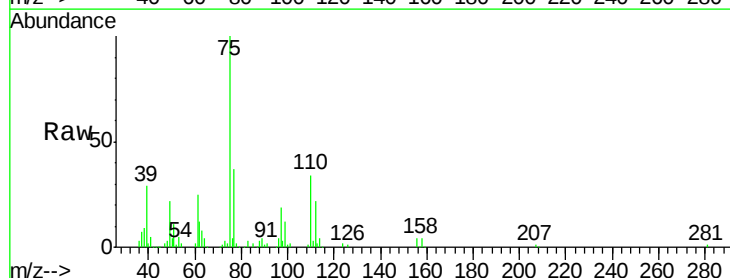
Acq: 4 Mar 2020 17:43

Tgt Ion: 75 Resp: 200958

Ion Ratio Lower Upper

75 100

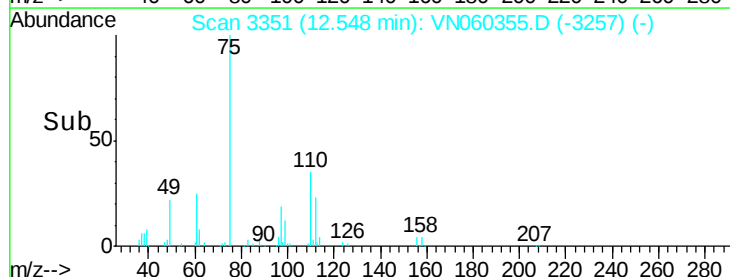
77 0.0 0.0 0.0

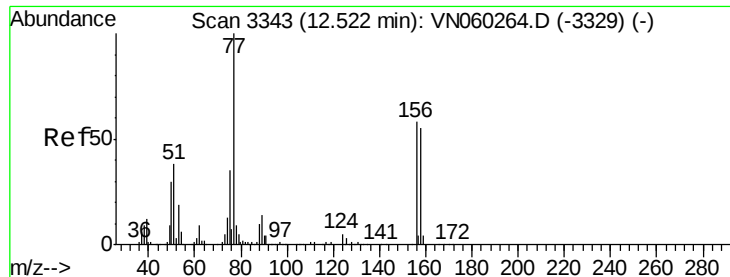


Abundance Ion 74.90 (74.60 to 75.60): VN060355.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060355.D (-3257) (-)

Time-->





#77

Bromobenzene

Concen: 43.772 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

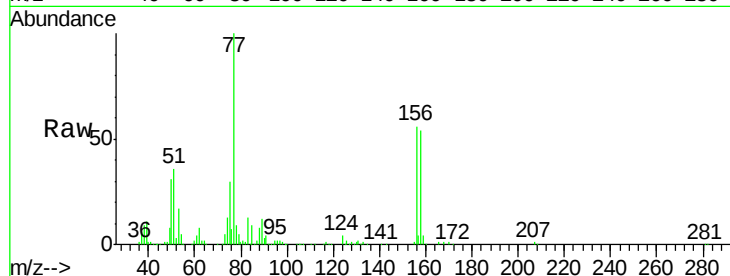
Tgt Ion:156 Resp: 120626

Ion Ratio Lower Upper

156 100

77 215.5 106.1 318.3

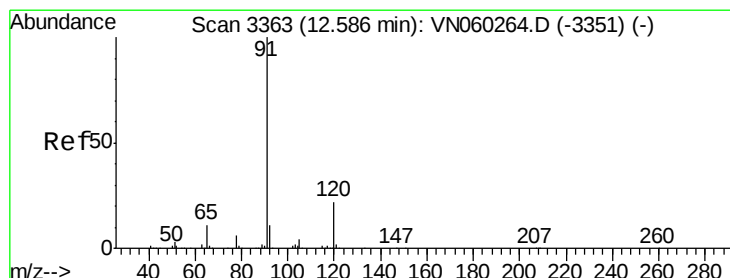
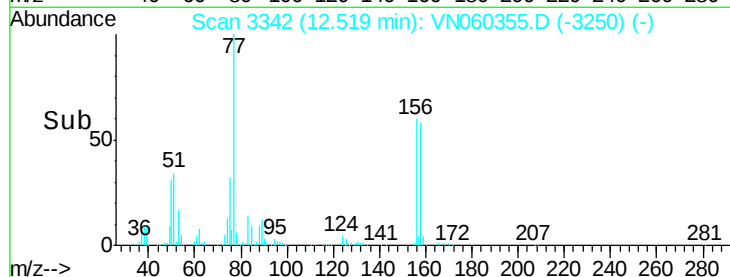
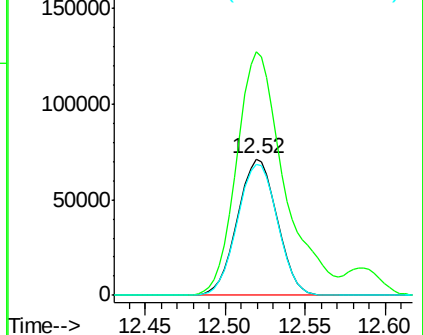
158 97.5 48.3 144.8



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: 44.589 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060355.D

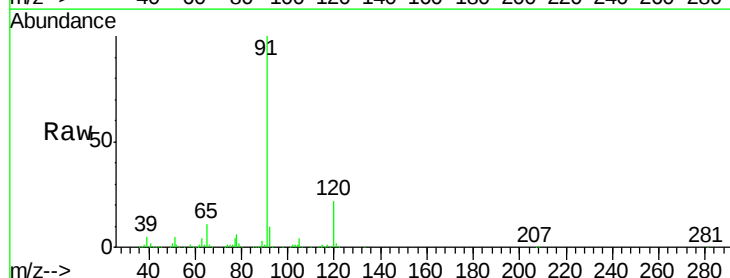
Acq: 4 Mar 2020 17:43

Tgt Ion: 91 Resp: 587592

Ion Ratio Lower Upper

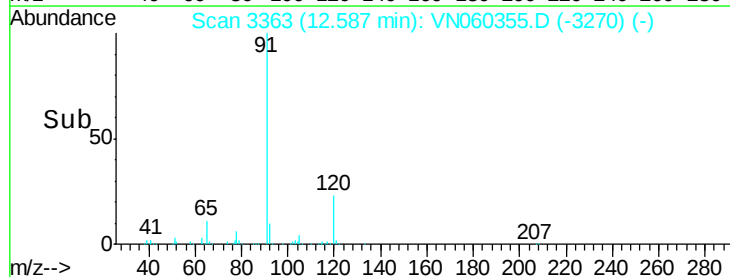
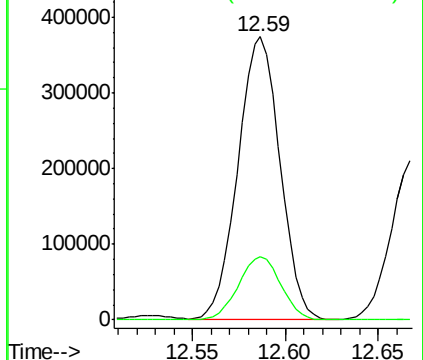
91 100

120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.459 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

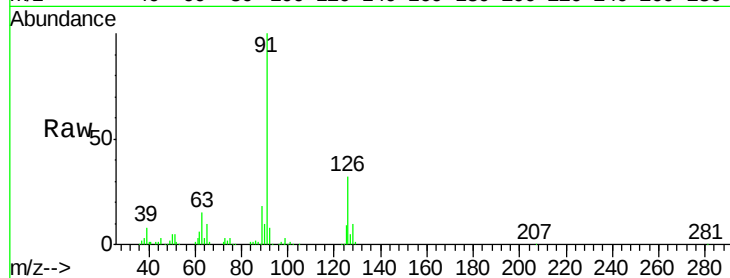
VSTDCCC050EC

Tgt Ion: 91 Resp: 344391

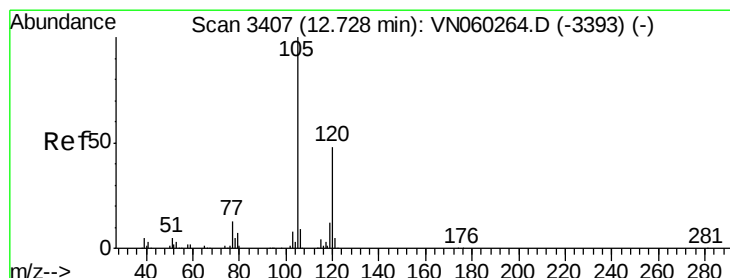
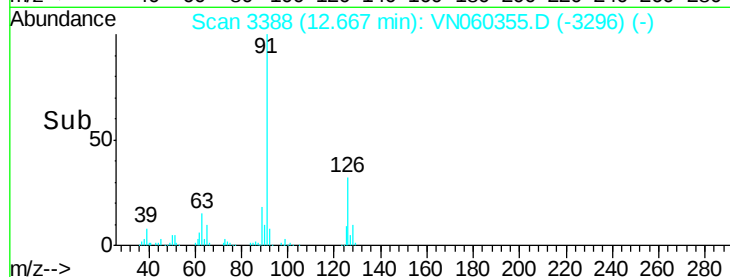
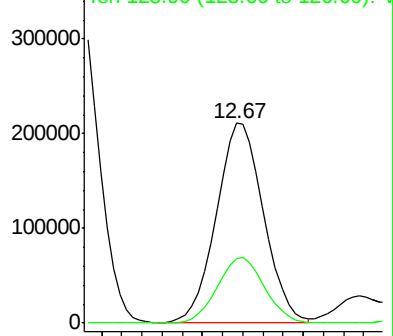
Ion Ratio Lower Upper

91 100

126 33.0 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 44.708 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060355.D

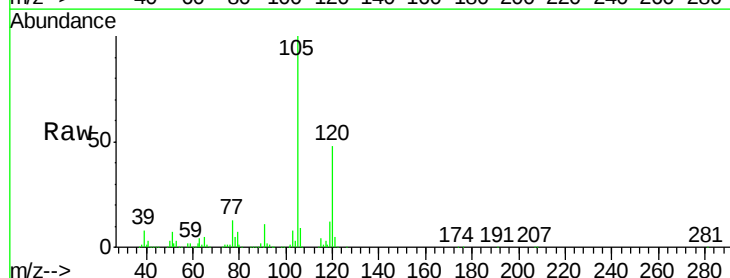
Acq: 4 Mar 2020 17:43

Tgt Ion: 105 Resp: 423180

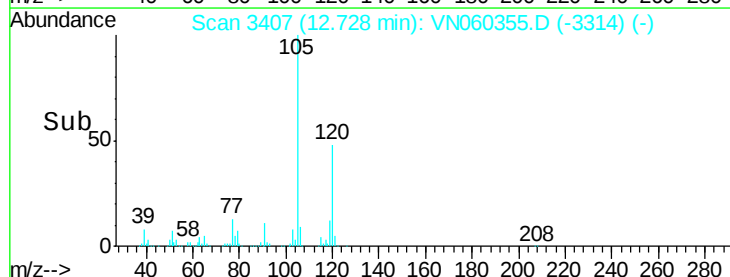
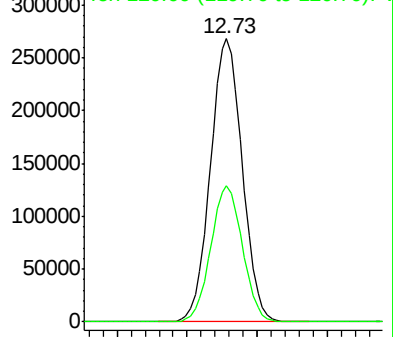
Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

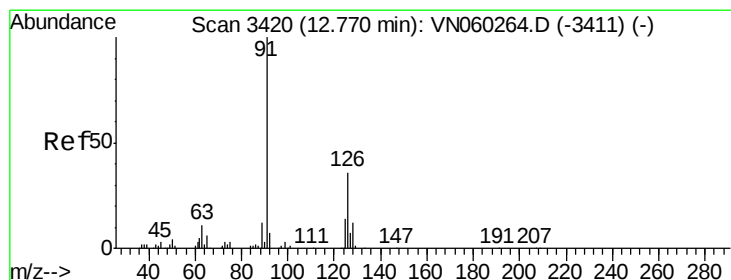
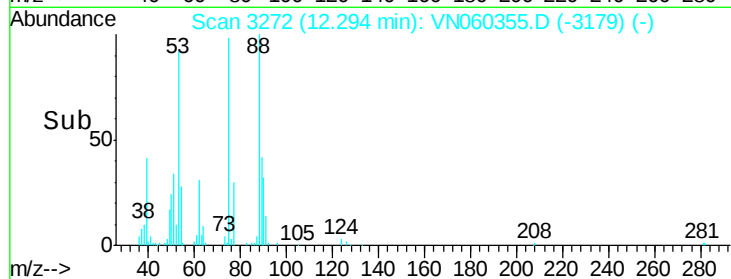
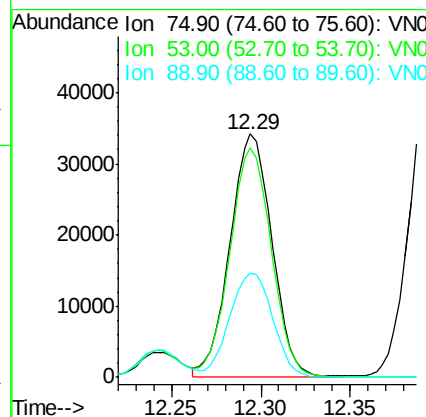
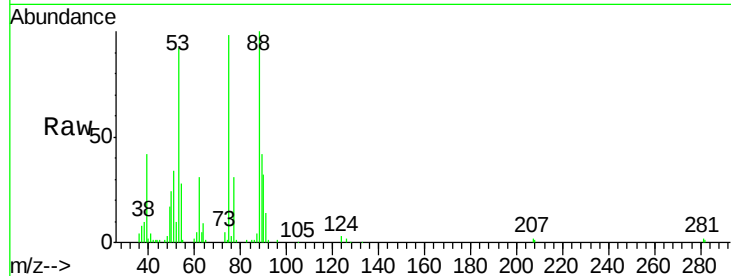




#81
trans-1,4-Dichloro-2-butene
Concen: 46.385 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

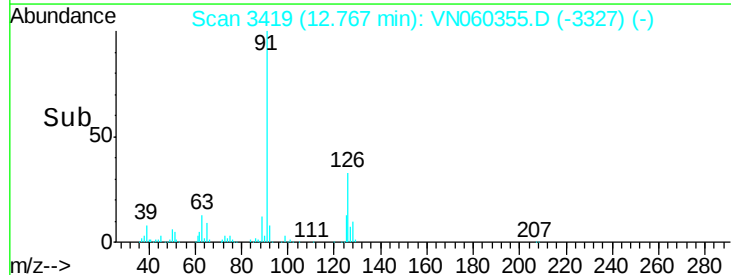
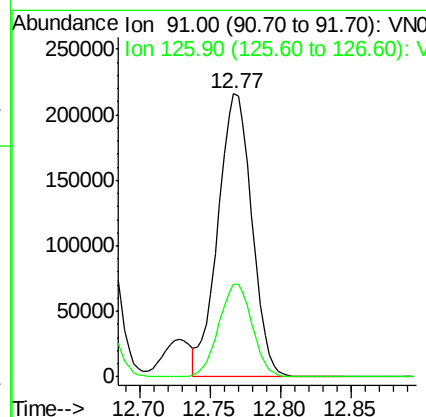
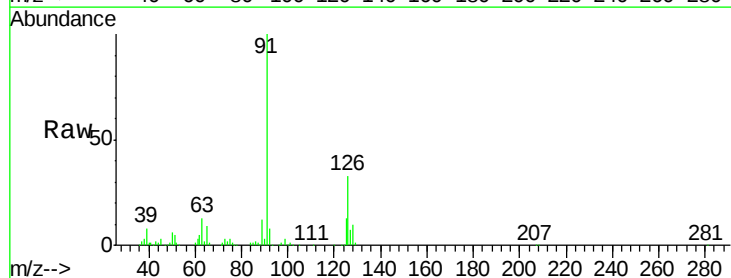
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

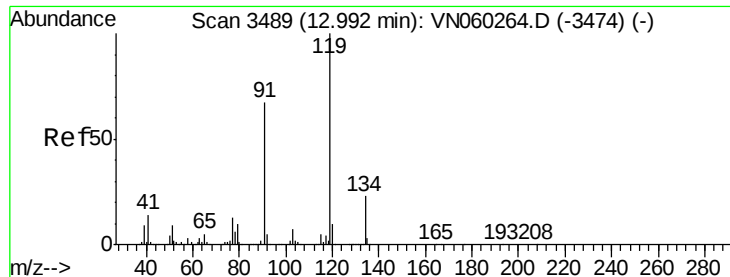
Tgt Ion: 75 Resp: 55919
Ion Ratio Lower Upper
75 100
53 93.5 73.8 110.6
89 44.2 57.1 85.7#



#82
4-Chlorotoluene
Concen: 44.213 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 91 Resp: 360840
Ion Ratio Lower Upper
91 100
126 32.3 16.7 50.1

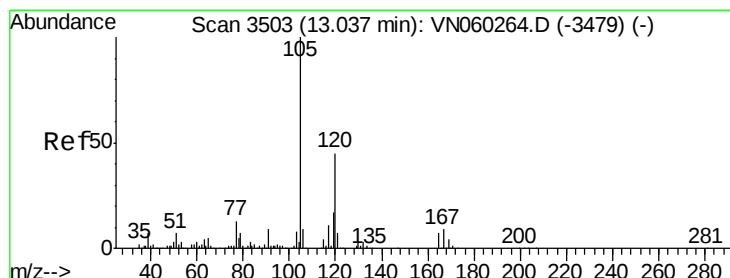
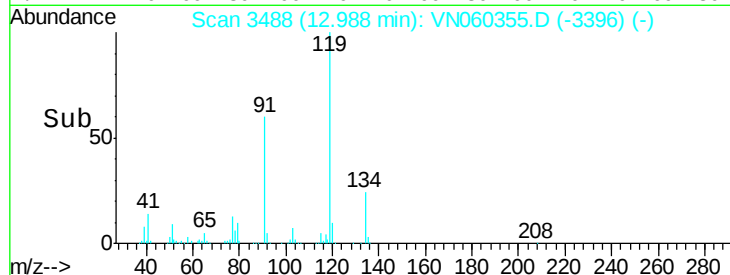
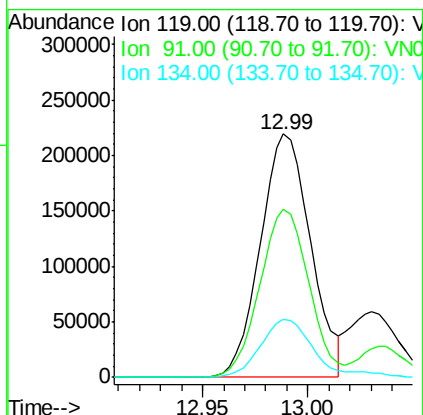
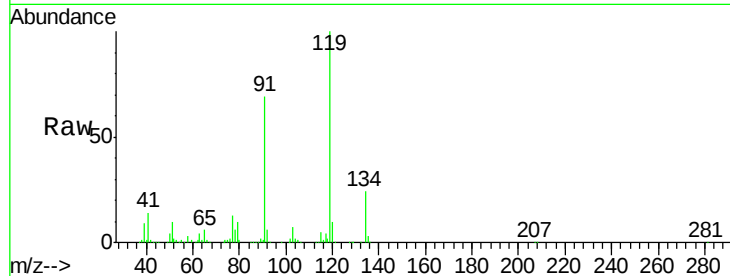




#83
 tert-Butylbenzene
 Concen: 44.472 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

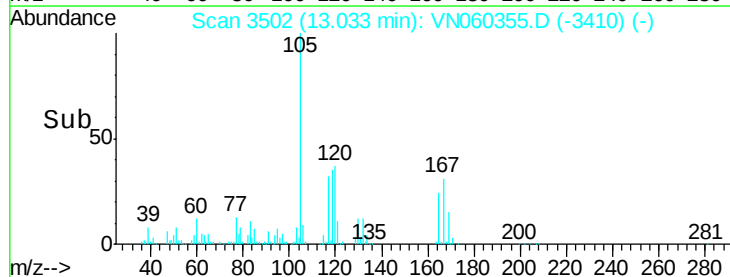
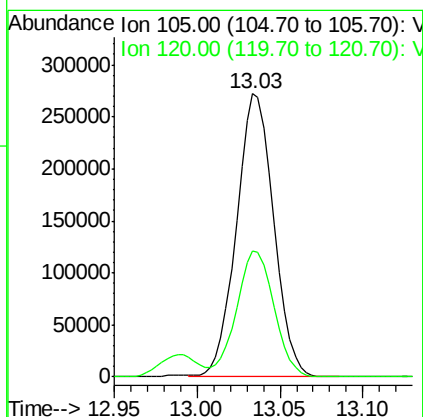
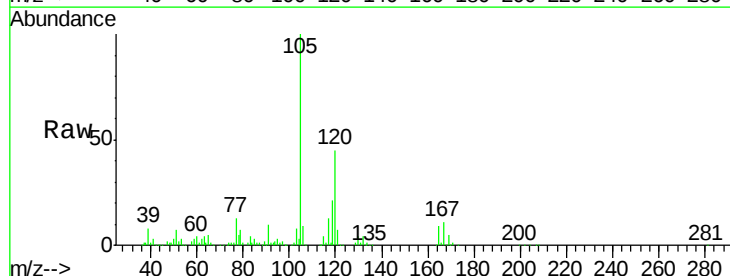
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

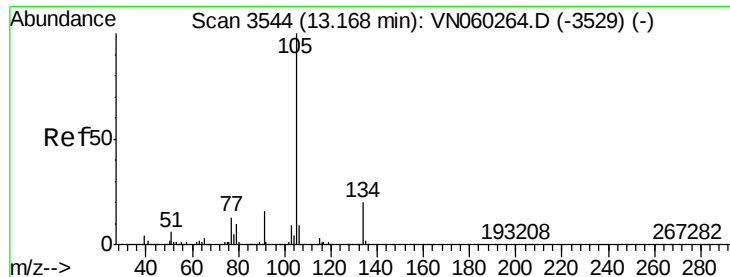
Tgt Ion:119 Resp: 364459
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.1 99.2
 134 25.2 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 44.312 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion:105 Resp: 423356
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.3 66.9

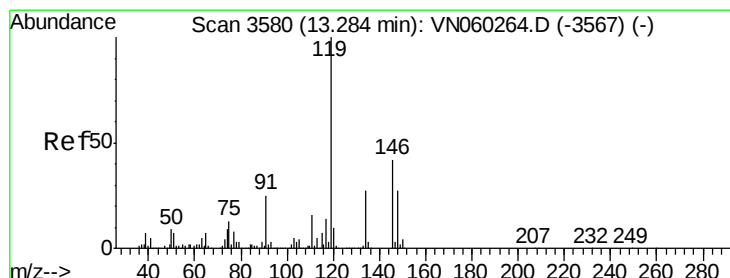
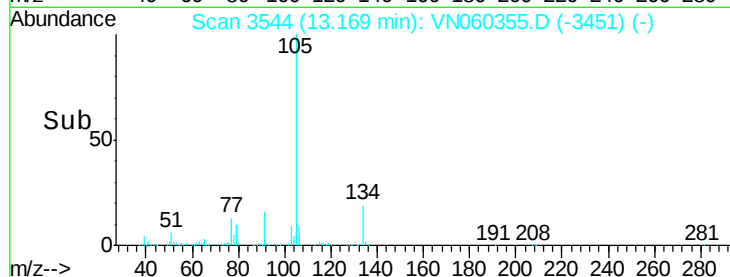
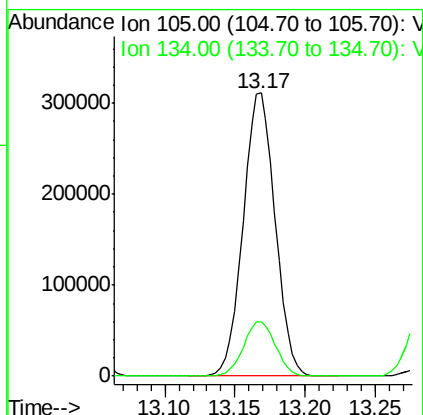
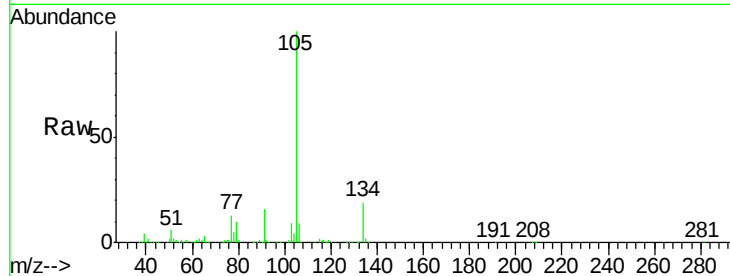




#85
 sec-Butylbenzene
 Concen: 45.060 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

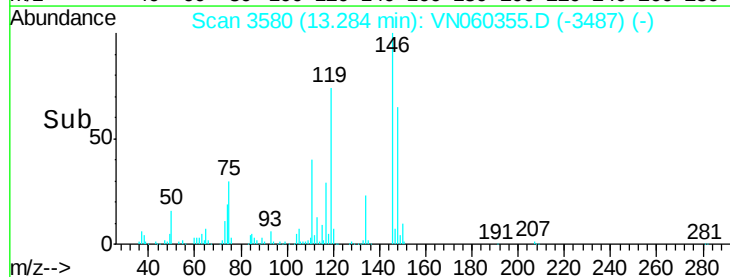
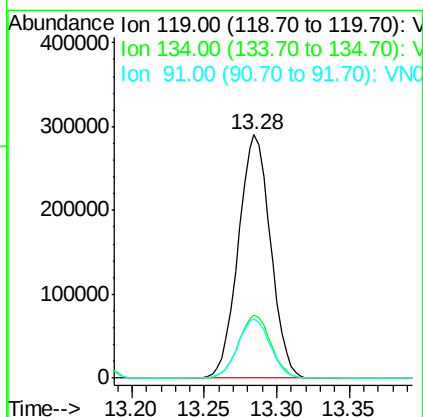
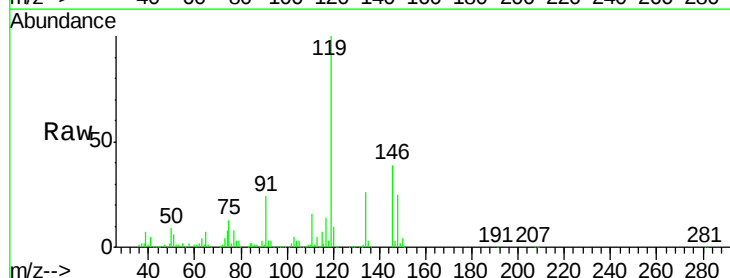
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 494499
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 43.993 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion:119 Resp: 446853
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.2 39.6
 91 24.4 12.2 36.6

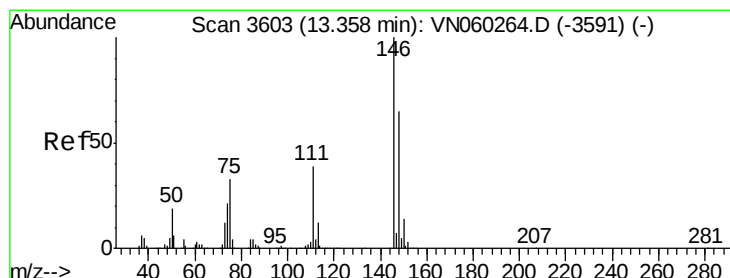
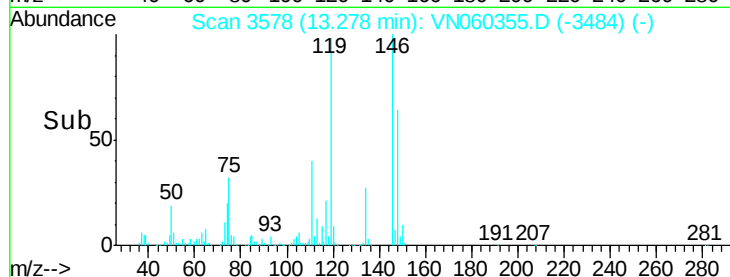
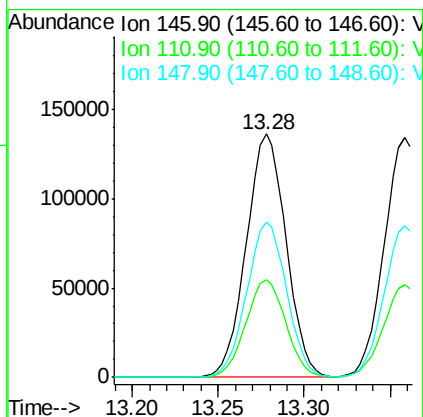
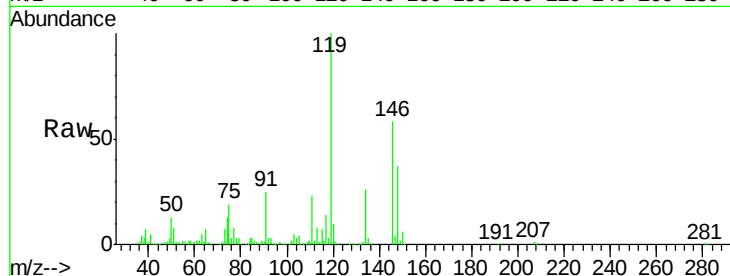




#87
 1,3-Dichlorobenzene
 Concen: 46.181 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

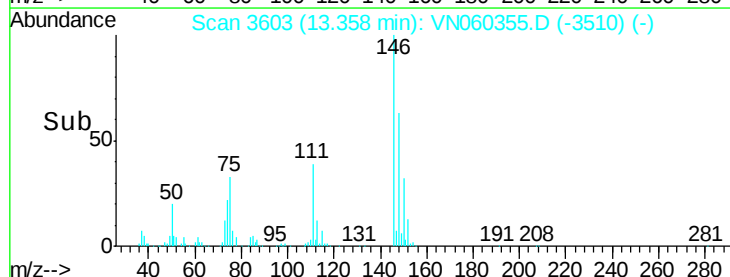
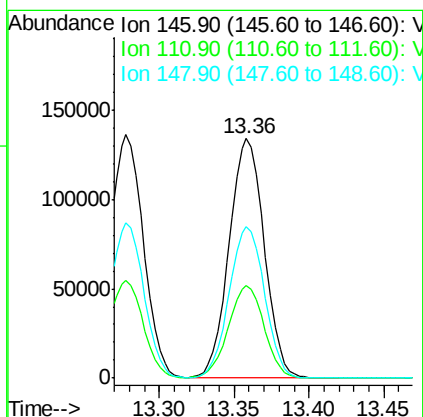
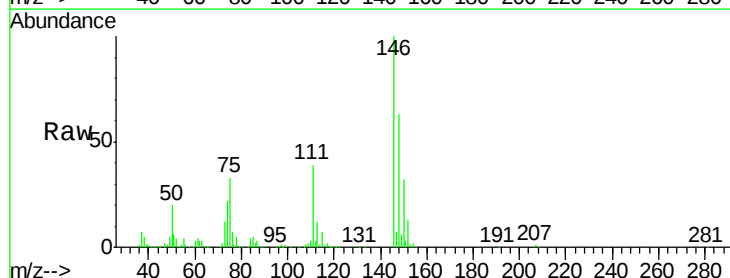
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

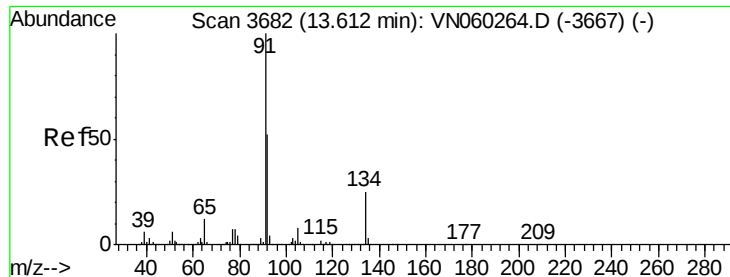
Tgt Ion:146 Resp: 218746
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 63.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 46.607 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion:146 Resp: 219557
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.8 59.4
 148 63.8 32.3 96.9

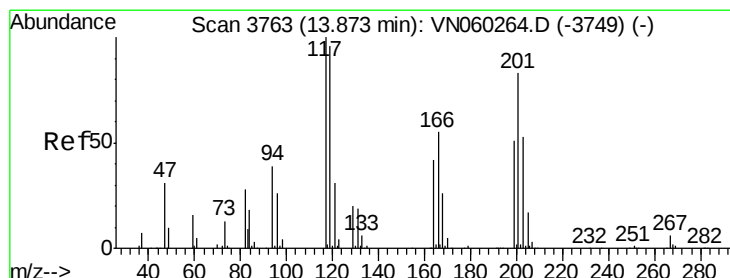
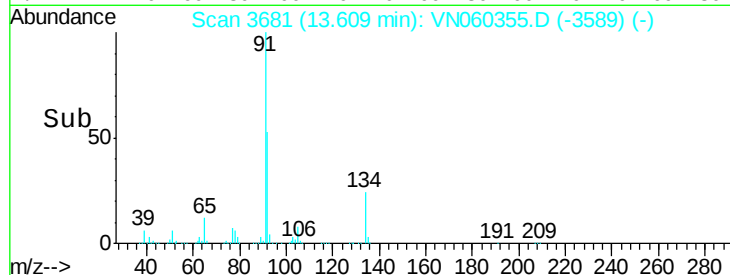
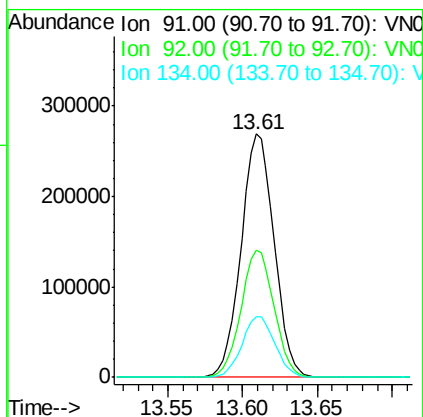
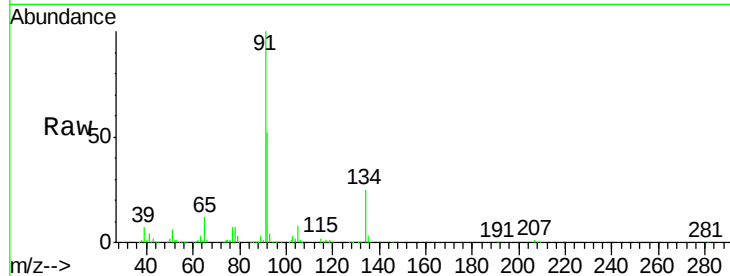




#89
n-Butylbenzene
Concen: 44.305 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

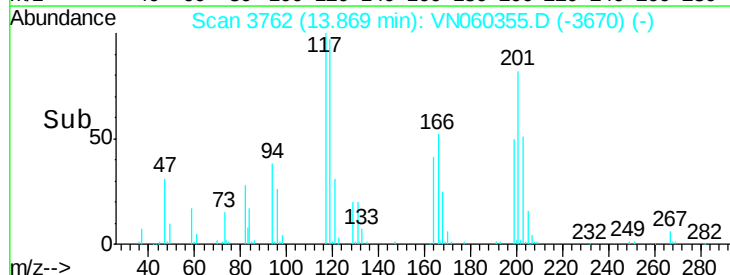
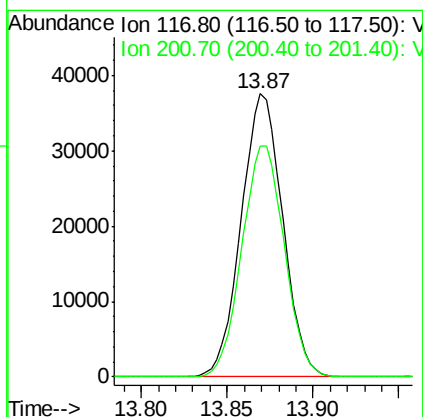
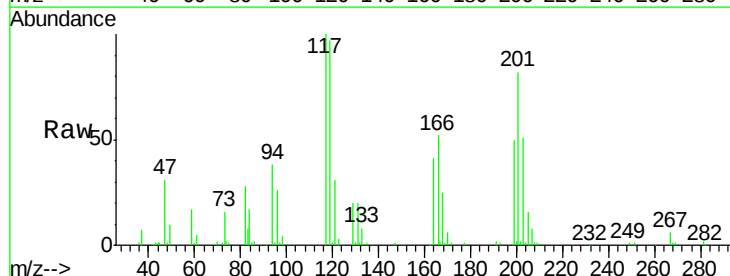
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 413112
Ion Ratio Lower Upper
91 100
92 52.2 26.0 78.0
134 25.0 12.7 38.1



#90
Hexachloroethane
Concen: 42.910 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 117 Resp: 63088
Ion Ratio Lower Upper
117 100
201 83.4 41.0 123.0

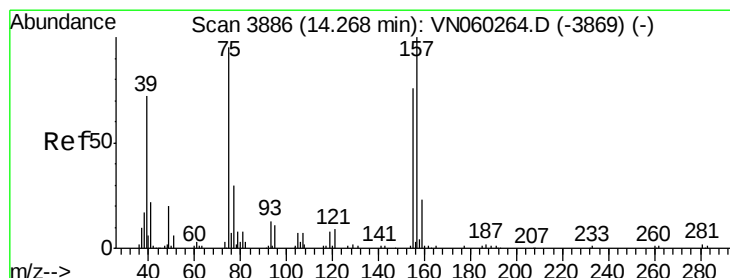
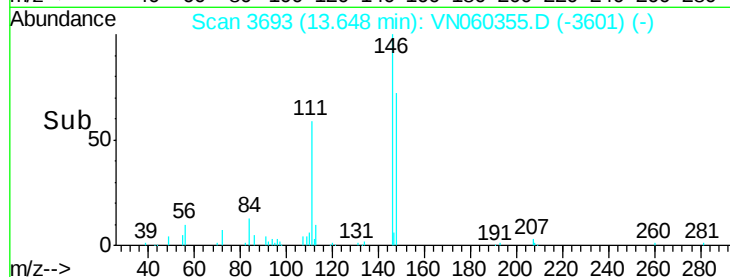
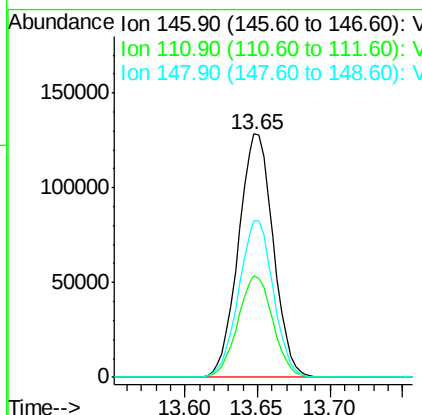
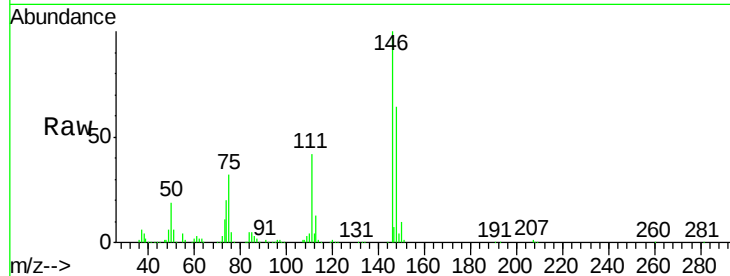




#91
 1,2-Dichlorobenzene
 Concen: 44.428 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

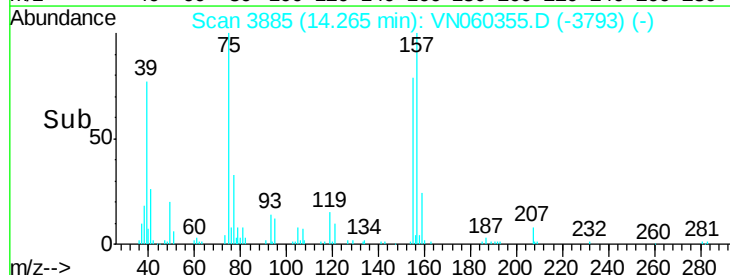
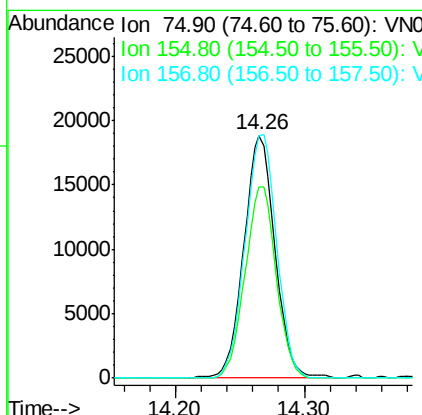
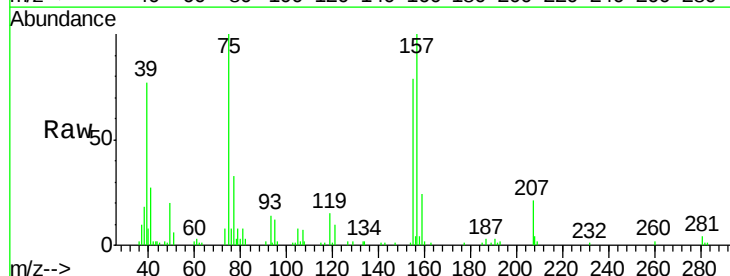
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	61.0
148	63.9	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.855 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	40.4	121.2
157	101.3	52.5	157.5

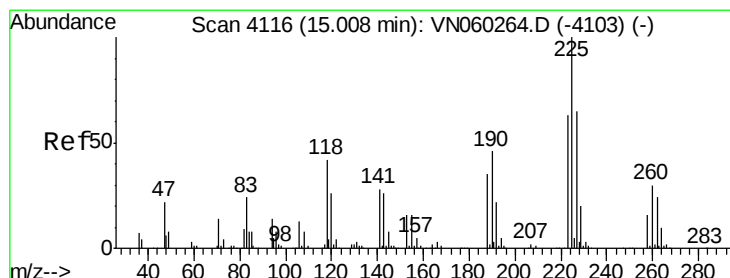
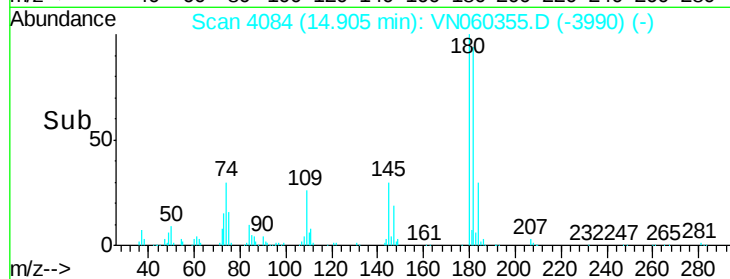
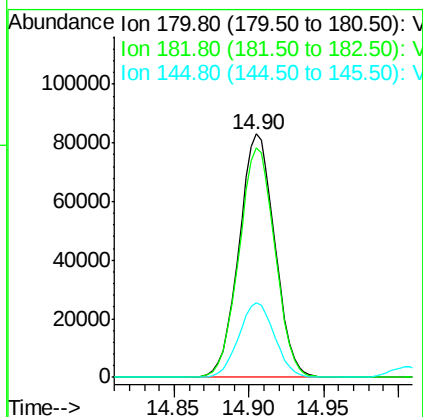
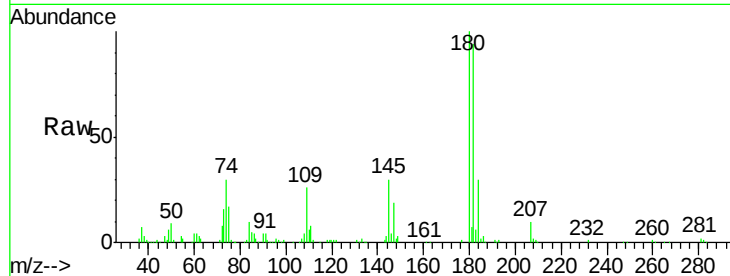




#93
 1,2,4-Trichlorobenzene
 Concen: 44.896 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

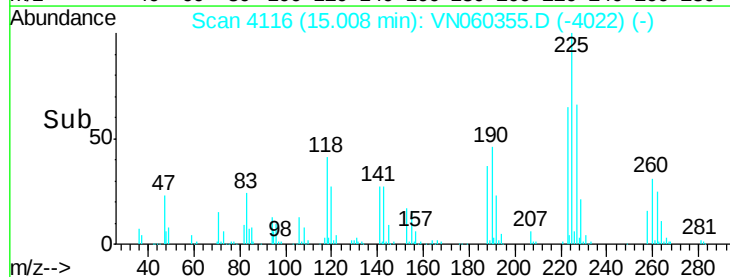
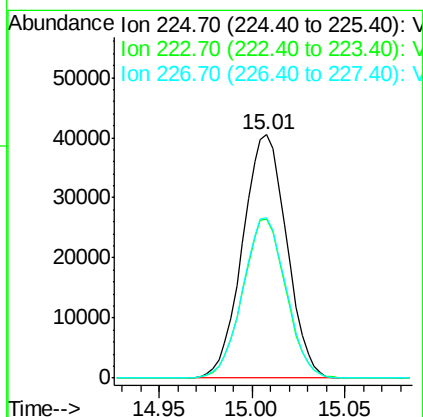
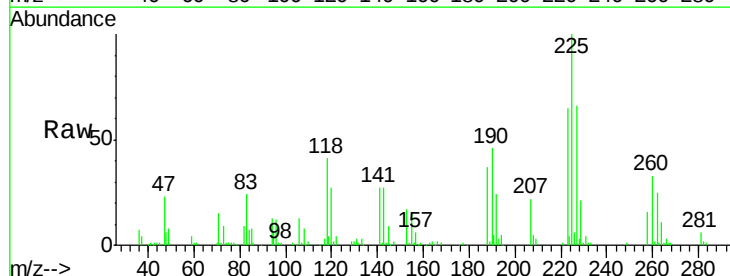
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 137726
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.8 143.3
 145 30.7 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 47.322 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion:225 Resp: 66788
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.3 93.9
 227 65.0 32.3 96.9

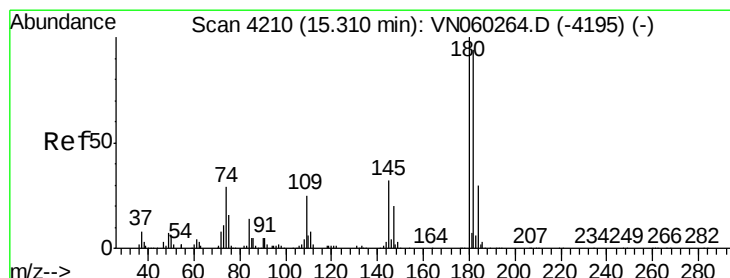
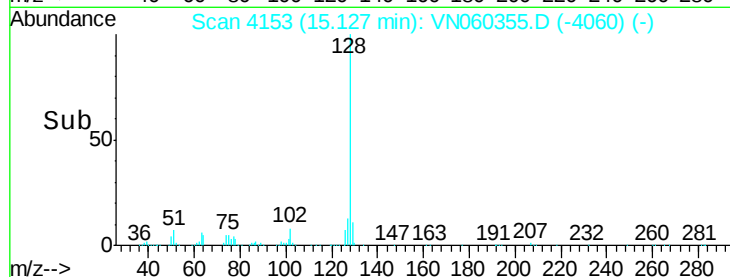
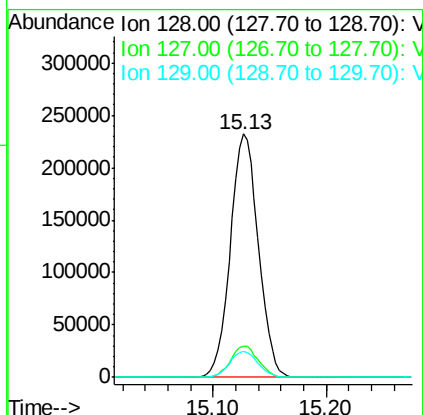
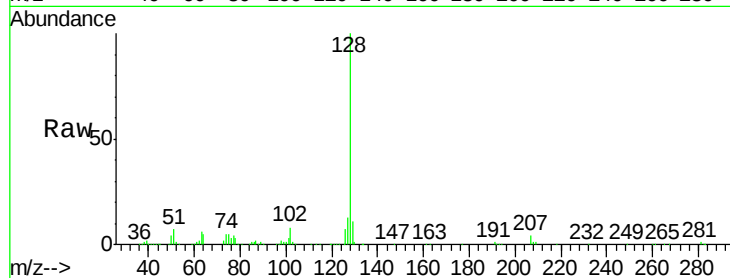




#95
Naphthalene
Concen: 44.175 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 399524
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 44.886 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion:180 Resp: 129758
Ion Ratio Lower Upper
180 100
182 95.2 47.3 142.0
145 32.1 16.2 48.5

