

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060337.D
 Acq On : 4 Mar 2020 8:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 05 05:06:46 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	218183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	355248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	331801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164267	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	132670	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
35) Dibromofluoromethane	7.56	113	81434	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.08	98	395142	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
62) 4-Bromofluorobenzene	12.40	95	151985	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	98172	49.076	ug/l	99
3) Chloromethane	2.03	50	167055	47.966	ug/l	100
4) Vinyl Chloride	2.16	62	137269	45.958	ug/l	99
5) Bromomethane	2.54	94	49033	40.318	ug/l	100
6) Chloroethane	2.68	64	74285	45.903	ug/l	97
7) Trichlorofluoromethane	3.00	101	182398	47.796	ug/l	99
8) Diethyl Ether	3.38	74	69901	48.514	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	107094	49.587	ug/l	99
10) Methyl Iodide	3.92	142	92652	47.006	ug/l	99
11) Tert butyl alcohol	4.72	59	92748	223.133	ug/l	100
12) 1,1-Dichloroethene	3.71	96	103091	49.181	ug/l	99
13) Acrolein	3.57	56	110858	285.882	ug/l	100
14) Allyl chloride	4.29	41	176002	45.539	ug/l	93
15) Acrylonitrile	4.94	53	277288	253.090	ug/l	99
16) Acetone	3.78	43	198531	219.617	ug/l	98
17) Carbon Disulfide	4.03	76	268496	48.244	ug/l	99
18) Methyl Acetate	4.28	43	138680	45.970	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	385615	50.669	ug/l	100
20) Methylene Chloride	4.52	84	118674	47.802	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	111190	49.367	ug/l	95
22) Diisopropyl ether	5.91	45	403231	51.507	ug/l	99
23) Vinyl Acetate	5.86	43	1599195	257.071	ug/l	100
24) 1,1-Dichloroethane	5.81	63	220971	49.864	ug/l	100
25) 2-Butanone	6.80	43	367029	251.364	ug/l	100
26) 2,2-Dichloropropane	6.79	77	206576	51.205	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	134499	46.721	ug/l	99
28) Bromochloromethane	7.17	49	88577	48.683	ug/l	99
29) Tetrahydrofuran	7.18	42	249896	246.116	ug/l	100
30) Chloroform	7.34	83	223905	50.756	ug/l	97
31) Cyclohexane	7.63	56	196068	51.898	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	196380	50.243	ug/l	99
36) 1,1-Dichloropropene	7.77	75	166446	49.162	ug/l	100
37) Ethyl Acetate	6.89	43	163156	50.894	ug/l	99
38) Carbon Tetrachloride	7.75	117	168304	51.057	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	200171	50.144	ug/l	99
40) Benzene	8.02	78	494119	50.143	ug/l	99
41) Methacrylonitrile	7.18	41	232202	156.867	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	180409	50.734	ug/l	100
43) Isopropyl Acetate	8.14	43	287494	51.225	ug/l	99
44) Trichloroethene	8.82	130	137574	50.127	ug/l	100
45) 1,2-Dichloropropane	9.10	63	134364	52.151	ug/l	99
46) Dibromomethane	9.19	93	84217	50.376	ug/l	99
47) Bromodichloromethane	9.39	83	180392	53.055	ug/l	100
48) Methyl methacrylate	9.18	41	127804	49.937	ug/l	98
49) 1,4-Dioxane	9.18	88	31289	869.363	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	827210	259.957	ug/l	99
52) Toluene	10.14	92	312342	50.458	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	212295	50.957	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	222530	51.546	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	124582	50.047	ug/l	99
56) Ethyl methacrylate	10.42	69	192416	53.804	ug/l	100
57) 1,3-Dichloropropane	10.70	76	208698	51.409	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	444988	237.910	ug/l	99
59) 2-Hexanone	10.74	43	631191	270.158	ug/l	99
60) Dibromochloromethane	10.89	129	135816	53.650	ug/l	100
61) 1,2-Dibromoethane	10.99	107	126093	51.962	ug/l	99
64) Tetrachloroethene	10.62	164	144389	55.423	ug/l	99
65) Chlorobenzene	11.43	112	333406	49.763	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	128556	51.894	ug/l	100
67) Ethyl Benzene	11.50	91	623149	51.073	ug/l	100
68) m/p-Xylenes	11.61	106	462316	100.430	ug/l	99
69) o-Xylene	11.94	106	224057	51.042	ug/l	99
70) Styrene	11.96	104	375024	51.962	ug/l	99
71) Bromoform	12.12	173	97542	54.634	ug/l #	100
73) Isopropylbenzene	12.24	105	611521	50.226	ug/l	100
74) N-amyl acetate	12.06	43	261584	49.167	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	165628	50.046	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	240988	66.866	ug/l #	100
77) Bromobenzene	12.52	156	146958	49.241	ug/l	99
78) n-propylbenzene	12.59	91	724213	50.745	ug/l	100
79) 2-Chlorotoluene	12.67	91	416142	49.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	521612	50.884	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	68511	52.475	ug/l	97
82) 4-Chlorotoluene	12.77	91	440472	49.835	ug/l	99
83) tert-Butylbenzene	12.99	119	438086	49.360	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	517820	50.046	ug/l	99
85) sec-Butylbenzene	13.17	105	608957	51.237	ug/l	100
86) p-Isopropyltoluene	13.28	119	556747	50.612	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271051	52.865	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	270785	53.125	ug/l	99
89) n-Butylbenzene	13.61	91	521769	51.670	ug/l	100
90) Hexachloroethane	13.87	117	80169	50.349	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	256867	49.118	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35995	48.028	ug/l	98

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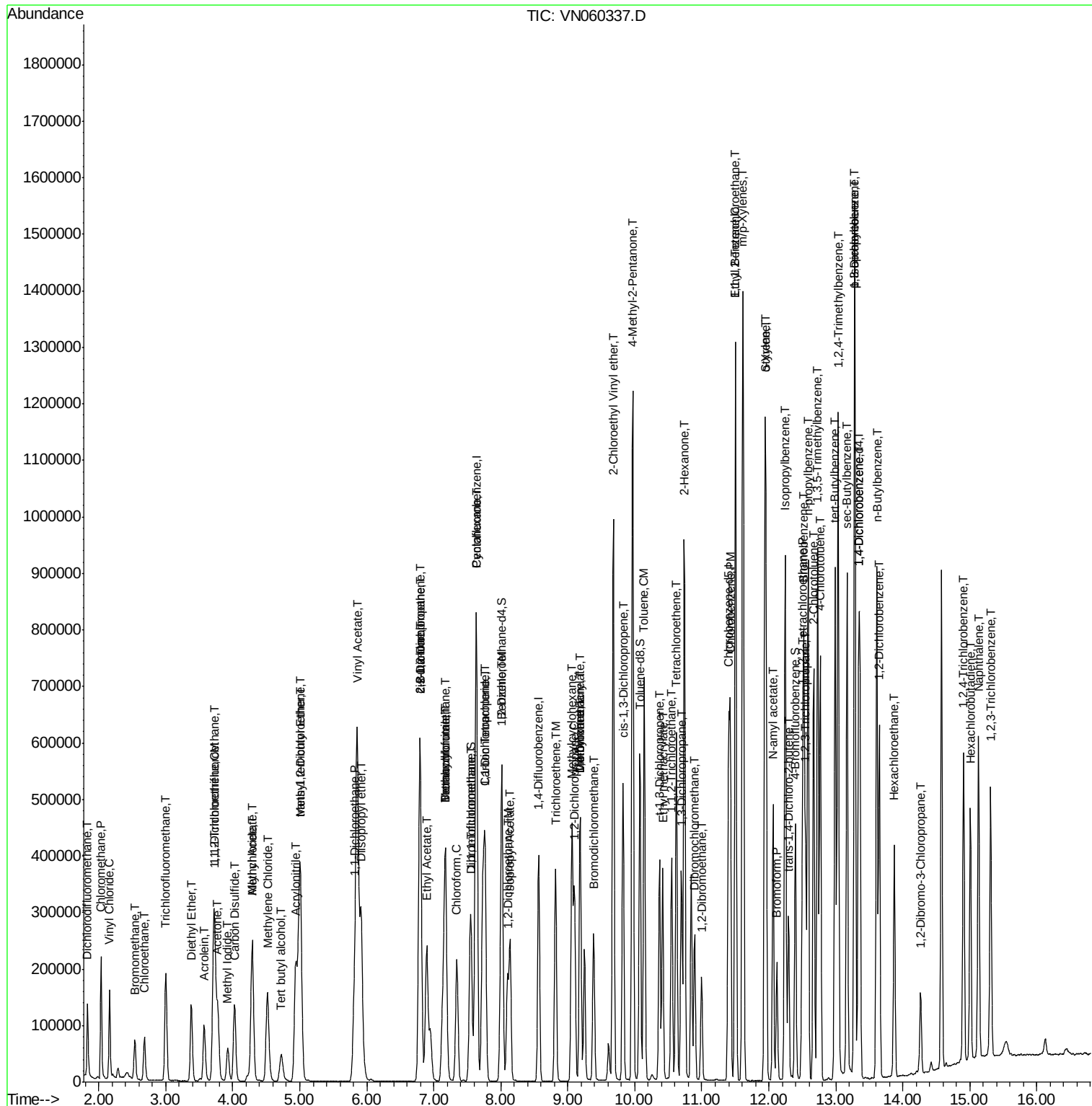
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	176453	53.096	ug/l	99
94) Hexachlorobutadiene	15.01	225	86883	56.959	ug/l	98
95) Naphthalene	15.13	128	483166	49.362	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	160641	51.337	ug/l	100

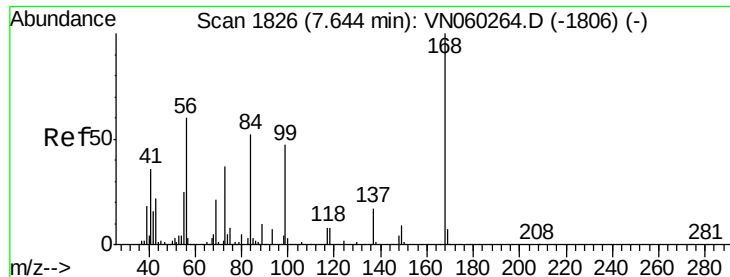
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

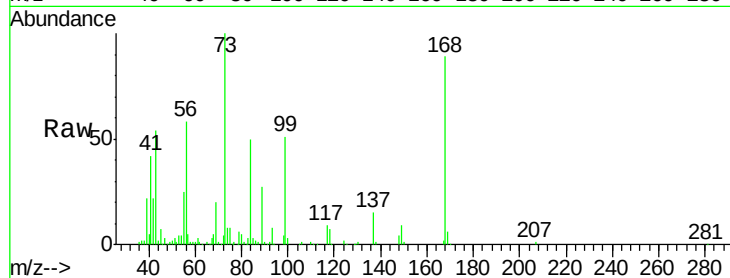
VSTDCCC050

Tgt Ion:168 Resp: 218183

Ion Ratio Lower Upper

168 100

99 56.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

40000

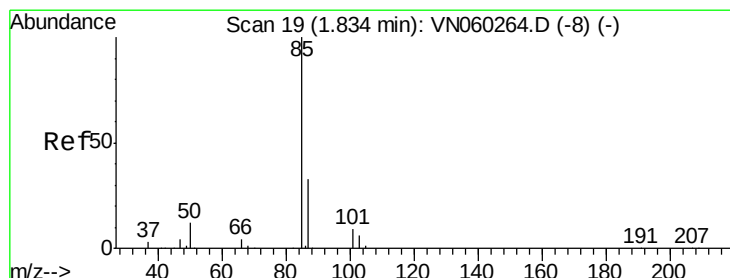
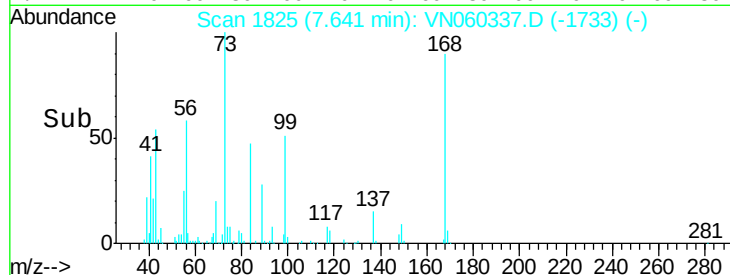
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.076 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060337.D

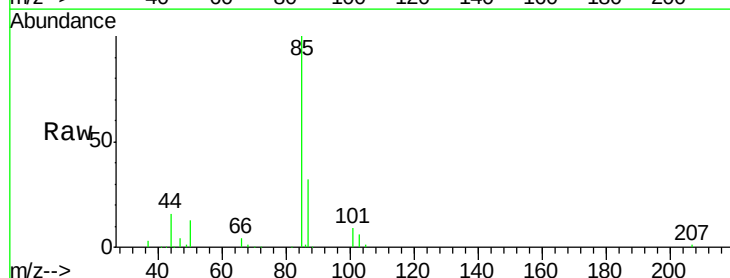
Acq: 4 Mar 2020 8:44

Tgt Ion: 85 Resp: 98172

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

40000

20000

0

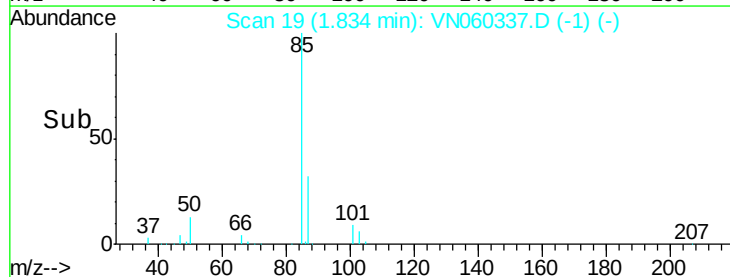
1.75

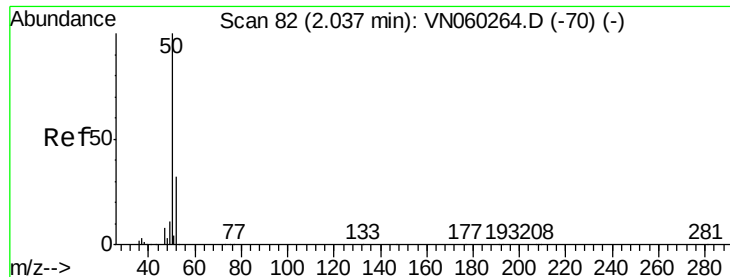
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 47.966 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

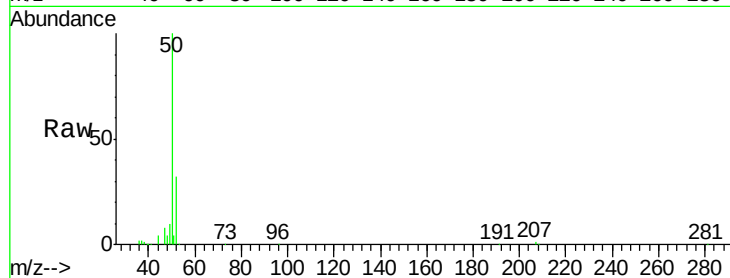
VSTDCCC050

Tgt Ion: 50 Resp: 167055

Ion Ratio Lower Upper

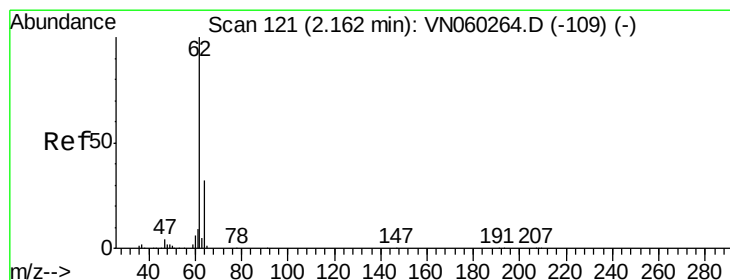
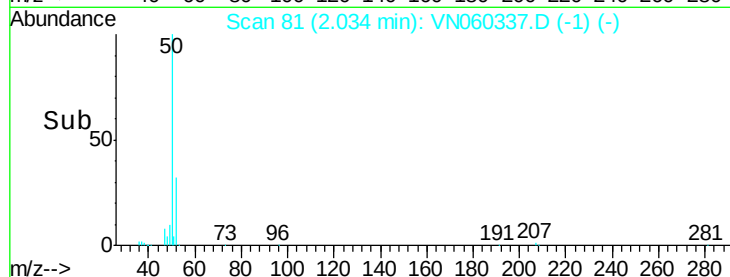
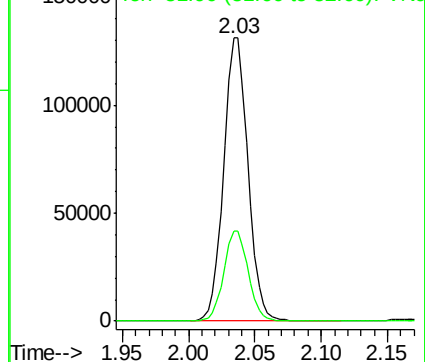
50 100

52 31.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.958 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060337.D

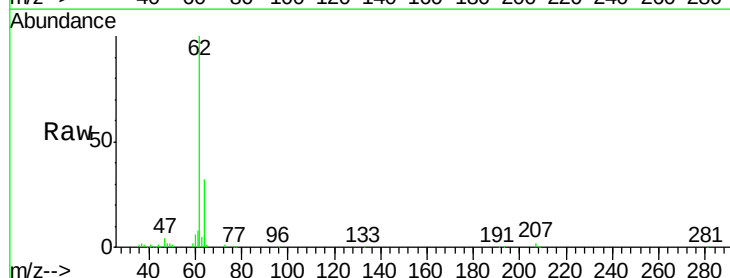
Acq: 4 Mar 2020 8:44

Tgt Ion: 62 Resp: 137269

Ion Ratio Lower Upper

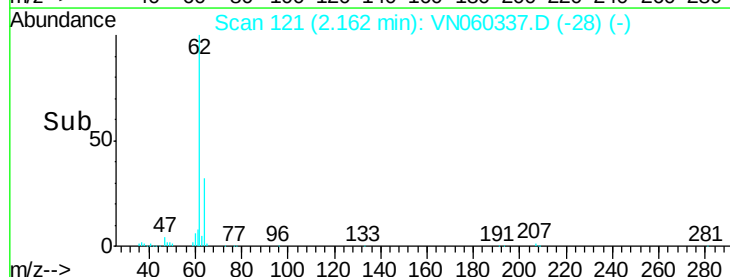
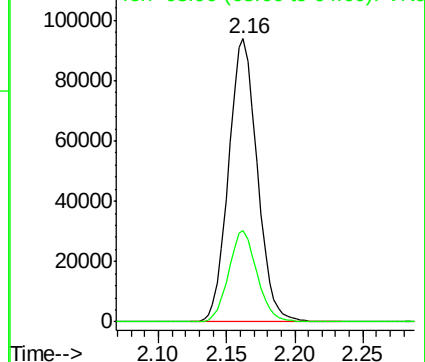
62 100

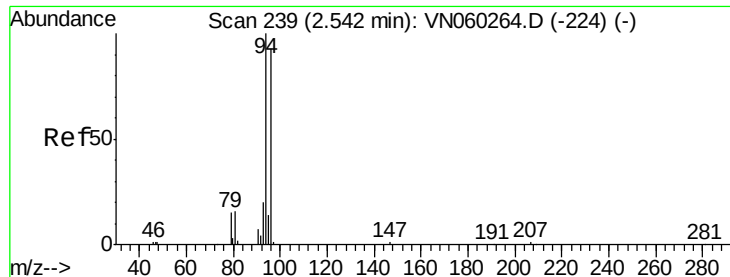
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 40.318 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampled :

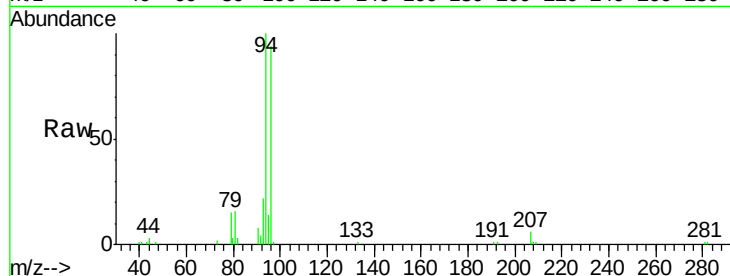
VSTDCCC050

Tgt Ion: 94 Resp: 49033

Ion Ratio Lower Upper

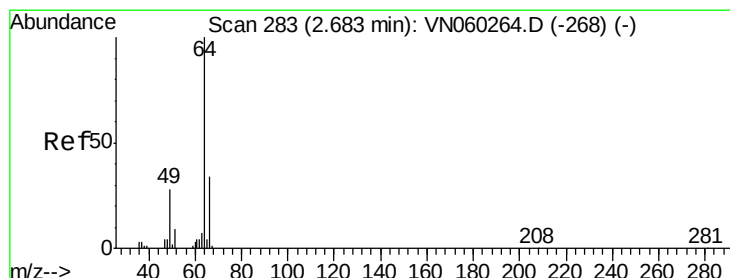
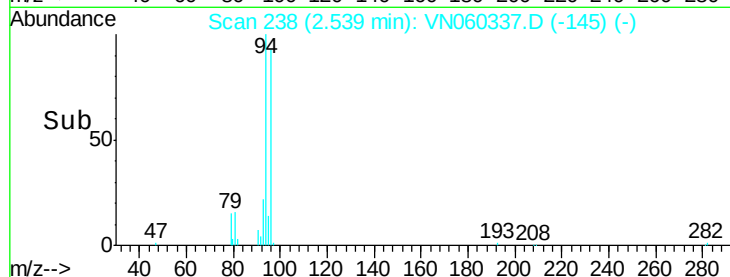
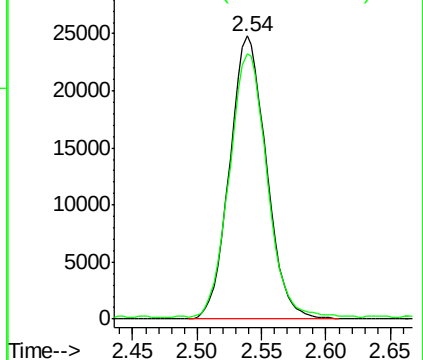
94 100

96 93.0 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: 45.903 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060337.D

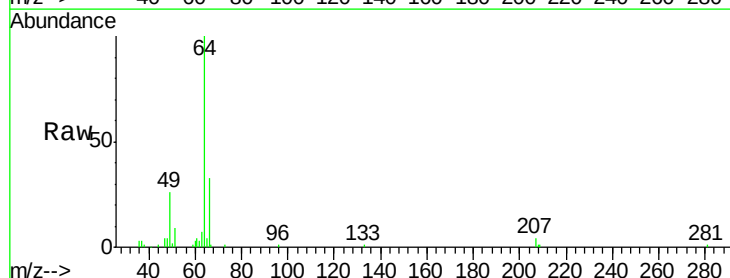
Acq: 4 Mar 2020 8:44

Tgt Ion: 64 Resp: 74285

Ion Ratio Lower Upper

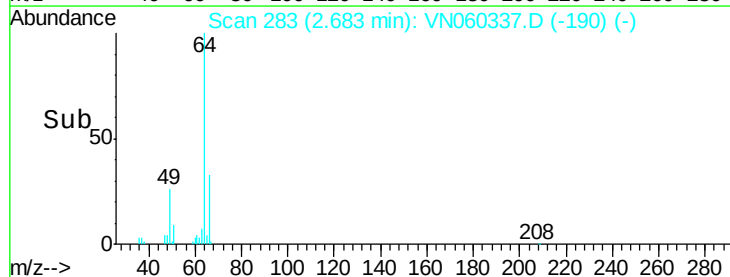
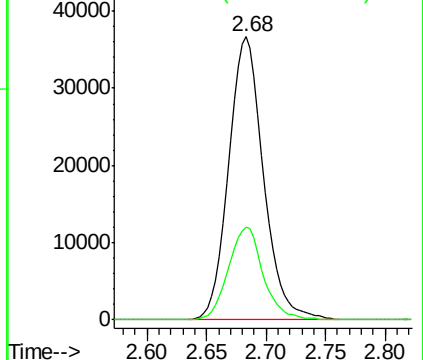
64 100

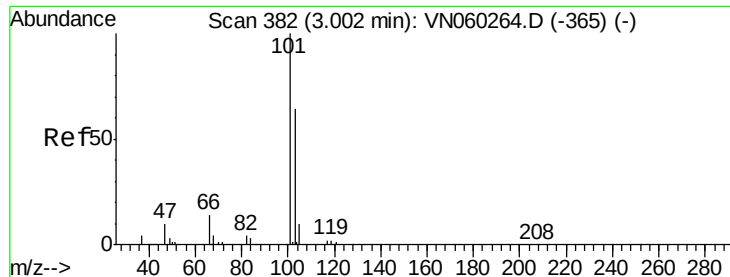
66 32.8 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



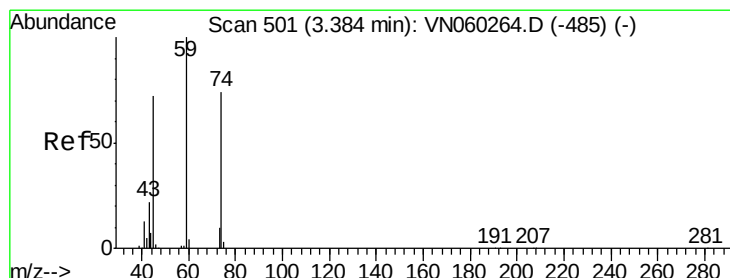
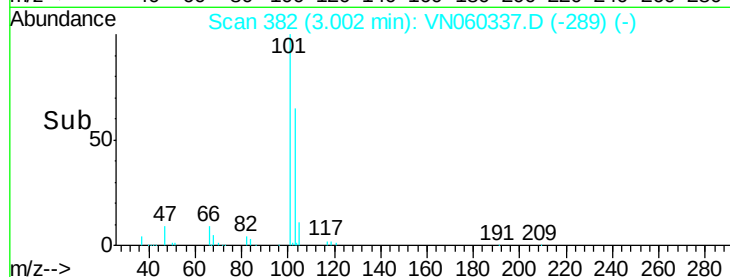
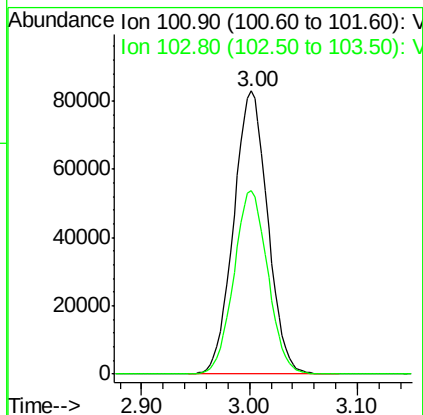
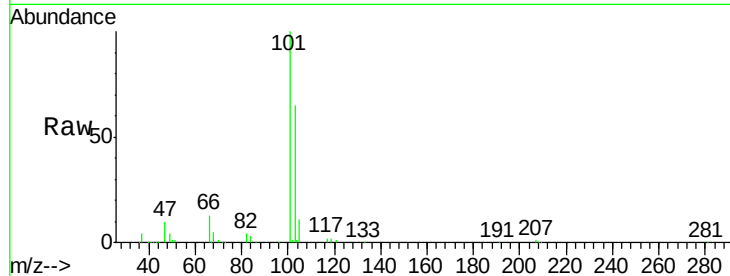


#7

Trichlorofluoromethane
Concen: 47.796 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
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VSTDCCC050

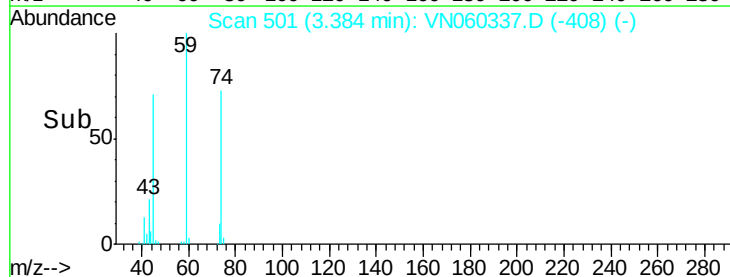
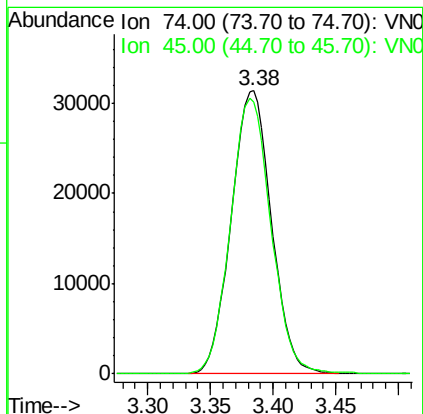
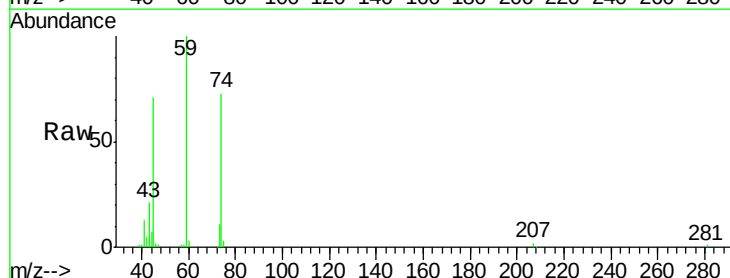
Tgt Ion:101 Resp: 182398
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9

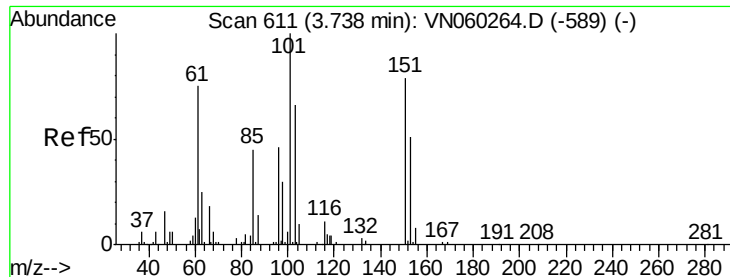


#8

Diethyl Ether
Concen: 48.514 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion: 74 Resp: 69901
Ion Ratio Lower Upper
74 100
45 98.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.587 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

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VSTDCCC050

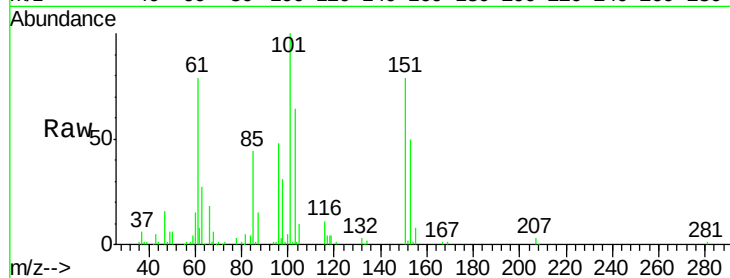
Tgt Ion:101 Resp: 107094

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.2

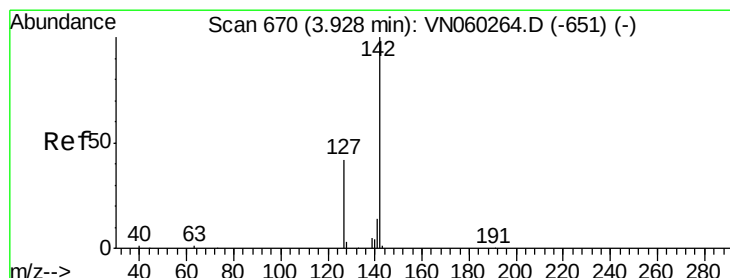
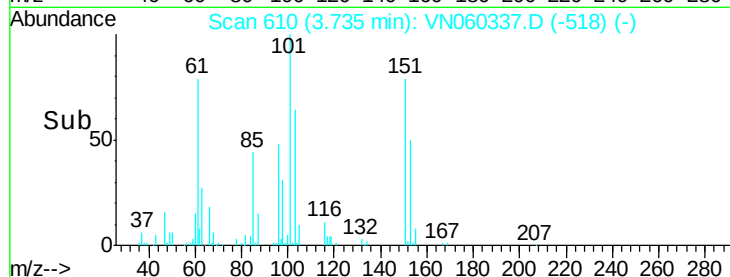
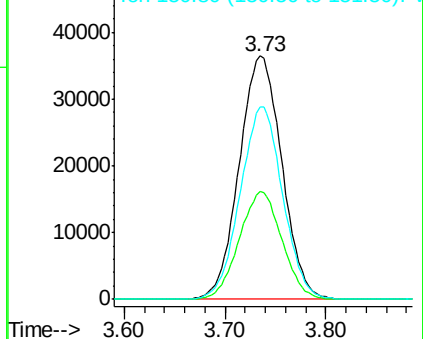
151 78.7 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.006 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

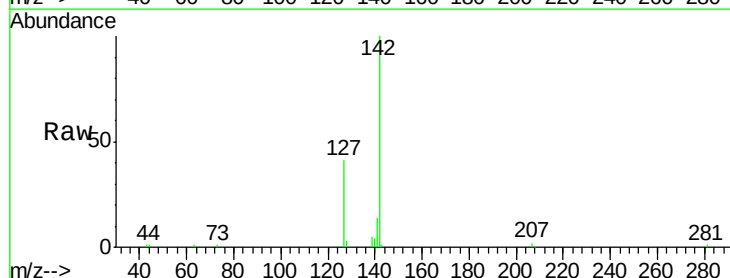
Tgt Ion:142 Resp: 92652

Ion Ratio Lower Upper

142 100

127 41.8 33.8 50.6

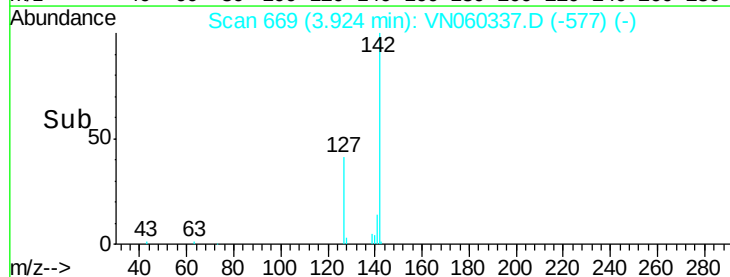
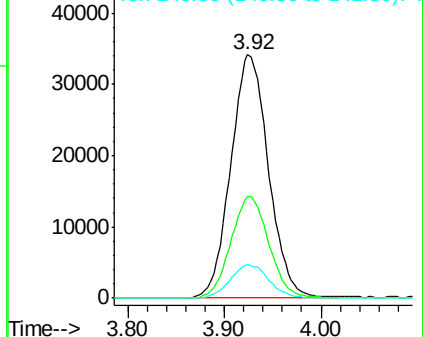
141 13.9 11.1 16.7

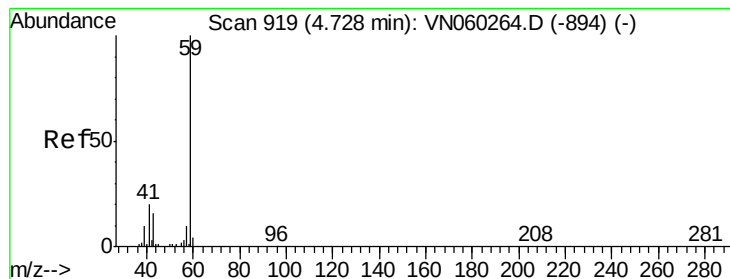


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



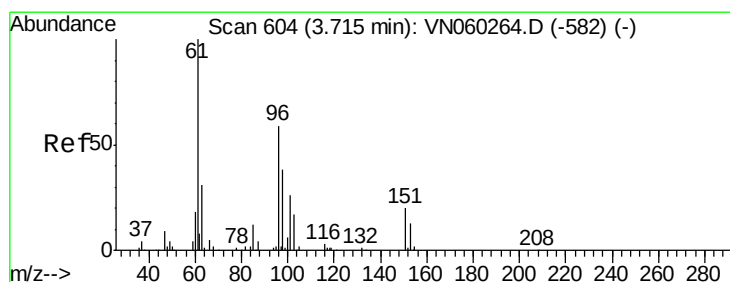
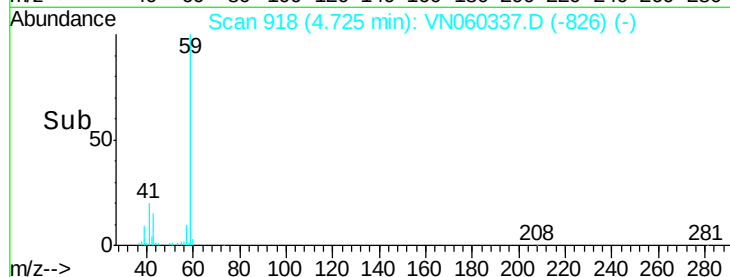
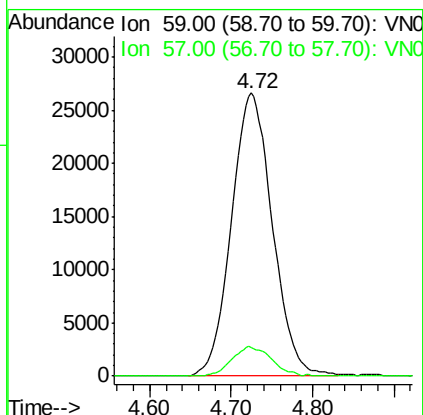
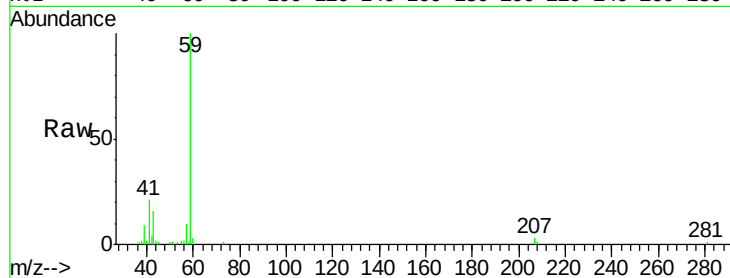


#11

Tert butyl alcohol
Concen: 223.133 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

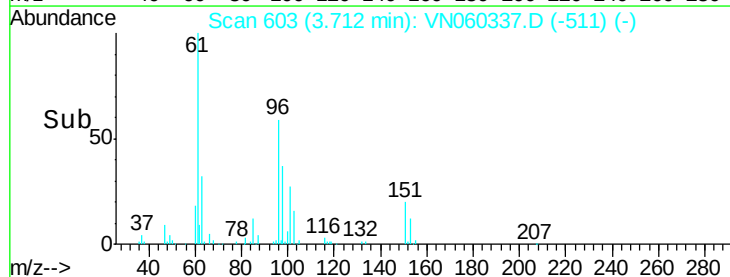
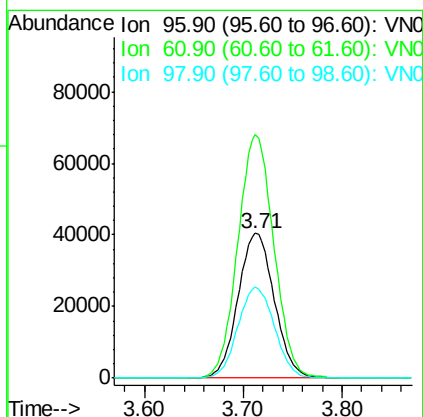
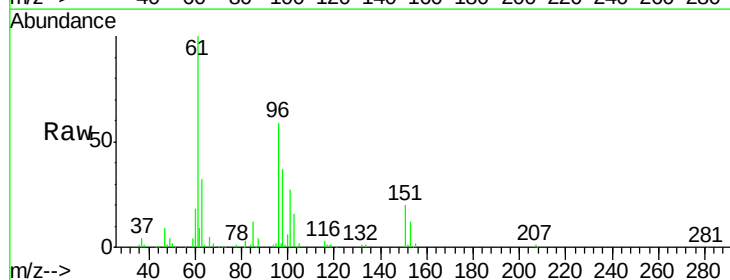
Tgt Ion: 59 Resp: 92748
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

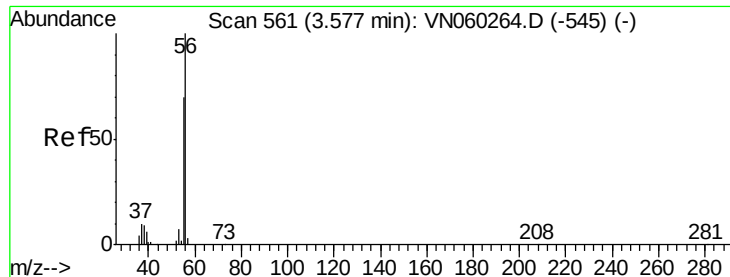


#12

1,1-Dichloroethene
Concen: 49.181 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion: 96 Resp: 103091
Ion Ratio Lower Upper
96 100
61 168.2 135.4 203.0
98 62.7 51.6 77.4

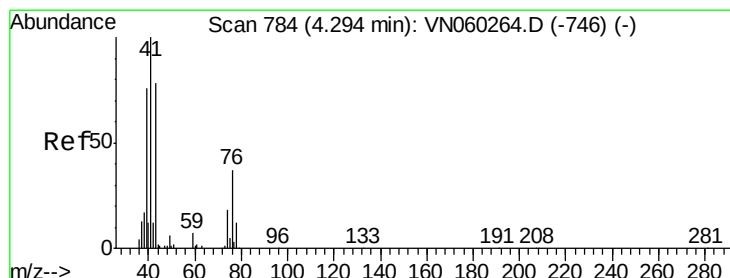
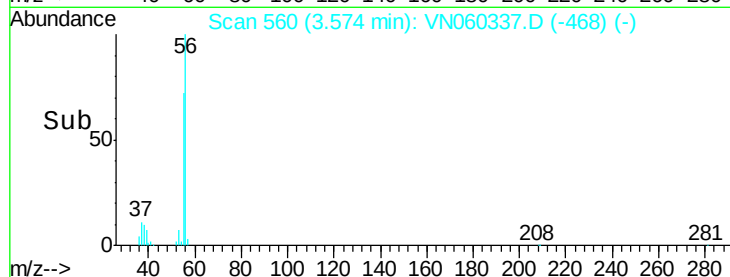
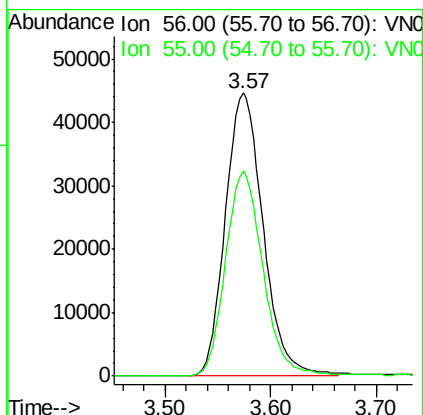
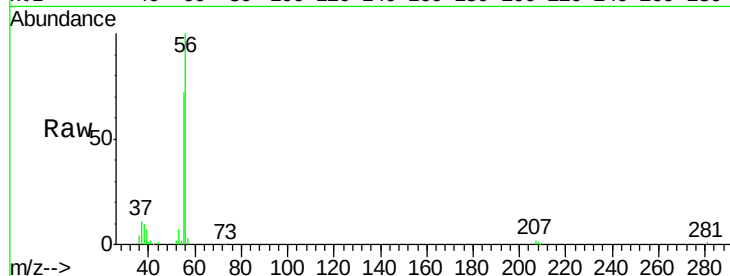




#13
 Acrolein
 Concen: 285.882 ug/l
 RT: 3.57 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

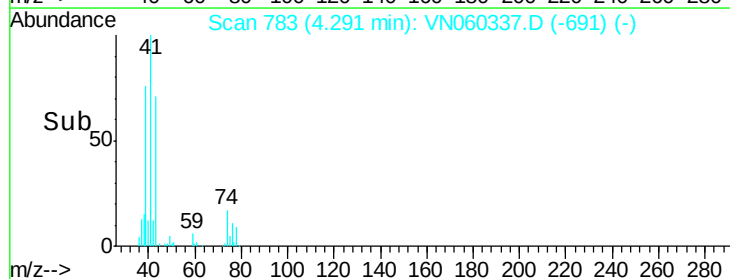
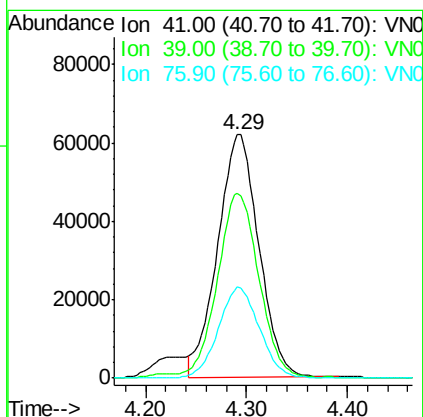
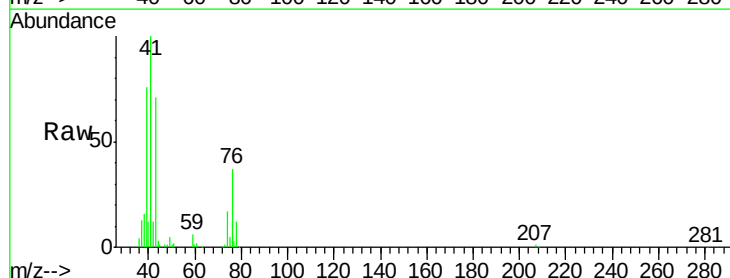
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

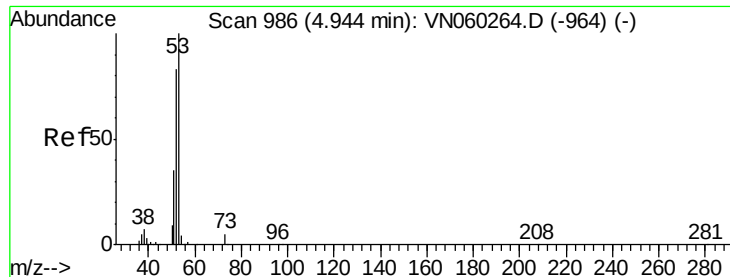
Tgt Ion: 56 Resp: 110858
 Ion Ratio Lower Upper
 56 100
 55 71.6 57.4 86.0



#14
 Allyl chloride
 Concen: 45.539 ug/l
 RT: 4.29 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion: 41 Resp: 176002
 Ion Ratio Lower Upper
 41 100
 39 75.9 55.4 83.2
 76 37.2 27.0 40.6





#15

Acrylonitrile

Concen: 253.090 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

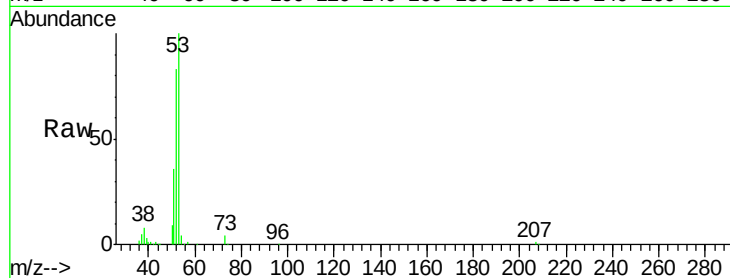
Tgt Ion: 53 Resp: 277288

Ion Ratio Lower Upper

53 100

52 82.6 66.8 100.2

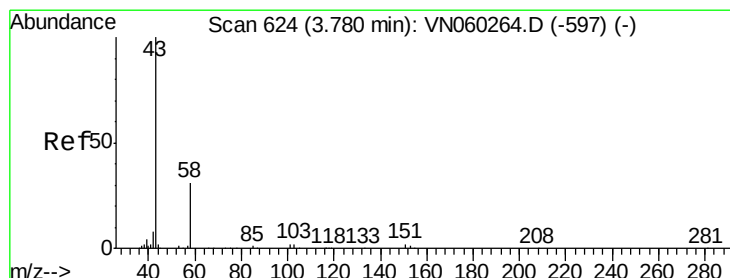
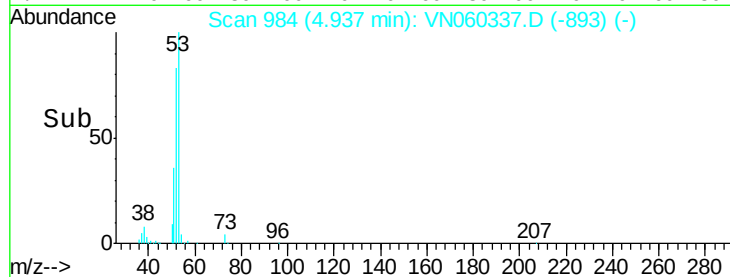
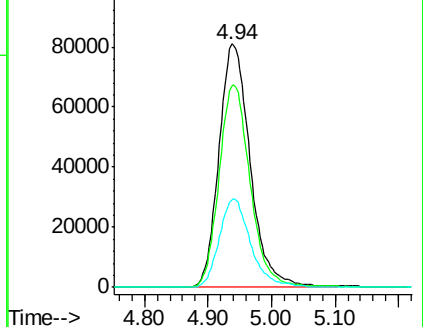
51 36.4 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060337.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060337.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060337.D (-893) (-)



#16

Acetone

Concen: 219.617 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060337.D

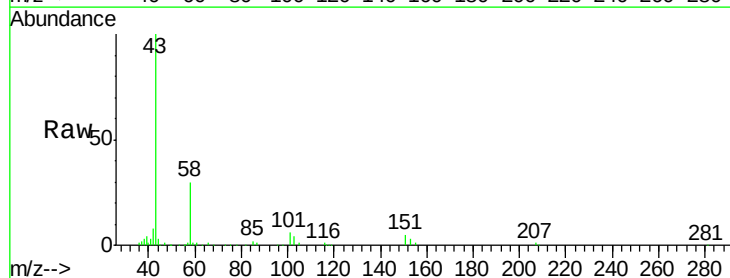
Acq: 4 Mar 2020 8:44

Tgt Ion: 43 Resp: 198531

Ion Ratio Lower Upper

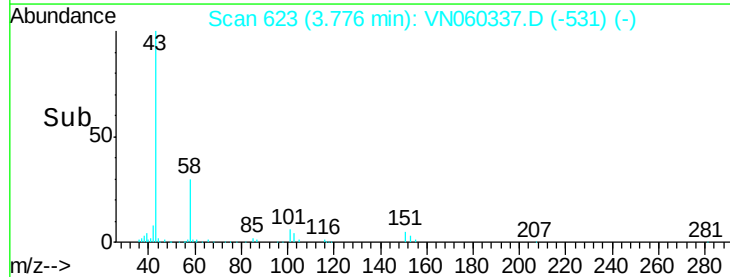
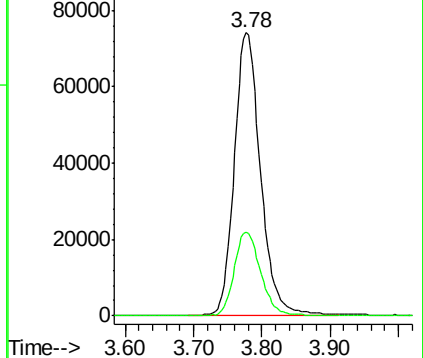
43 100

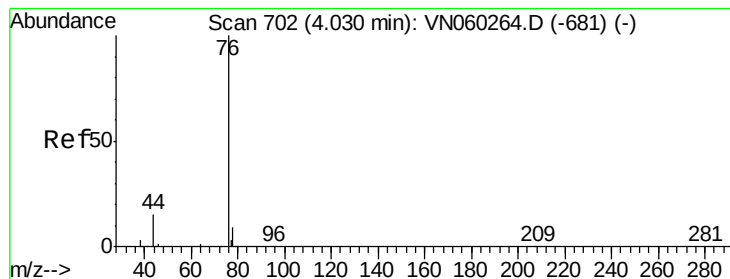
58 29.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060337.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060337.D (-531) (-)





#17

Carbon Disulfide

Concen: 48.244 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

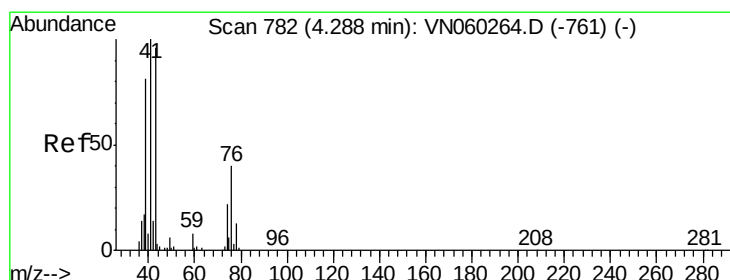
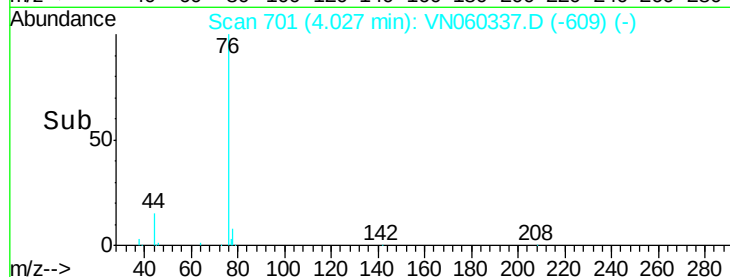
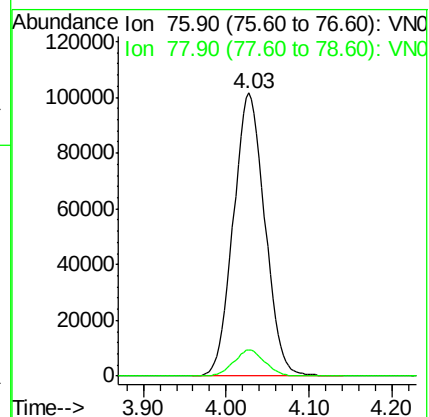
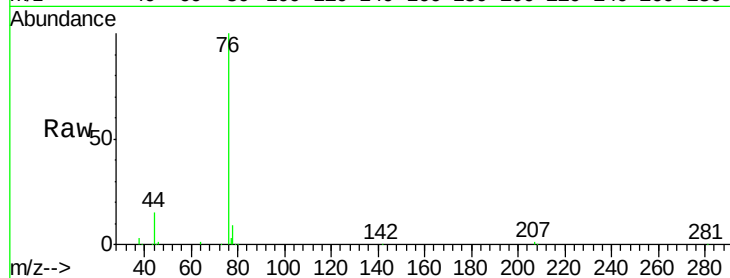
VSTDCCC050

Tgt Ion: 76 Resp: 268496

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



#18

Methyl Acetate

Concen: 45.970 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060337.D

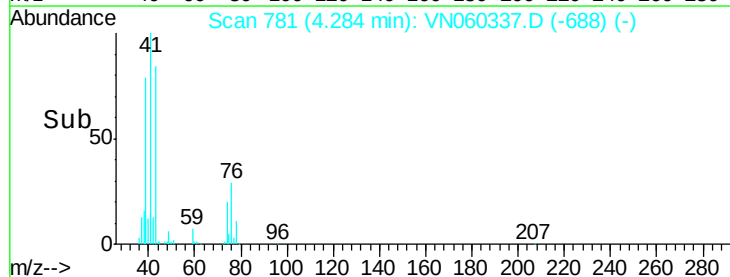
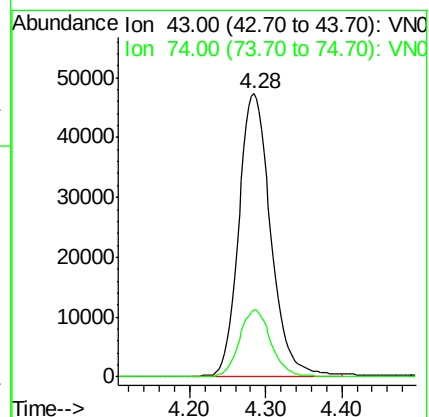
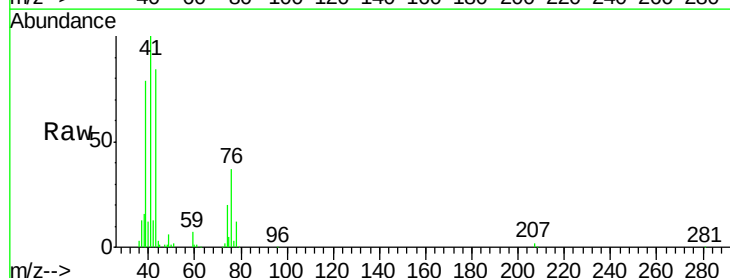
Acq: 4 Mar 2020 8:44

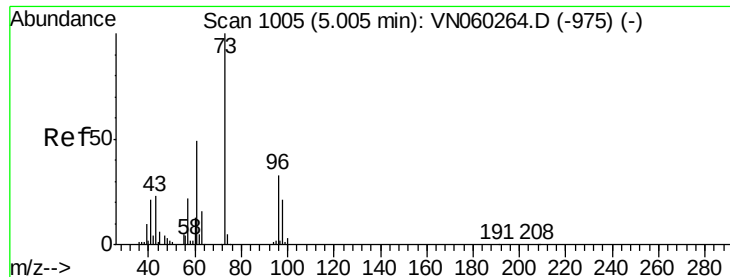
Tgt Ion: 43 Resp: 138680

Ion Ratio Lower Upper

43 100

74 23.3 18.8 28.2



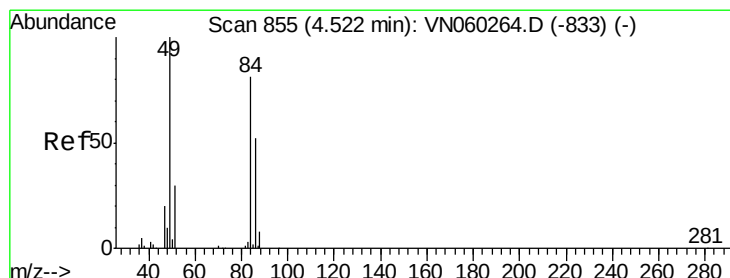
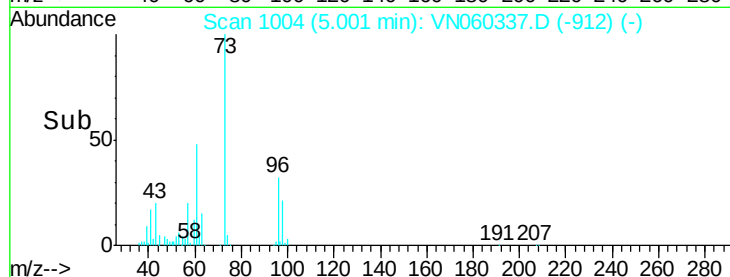
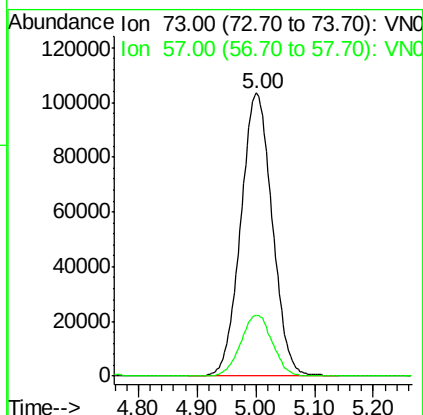
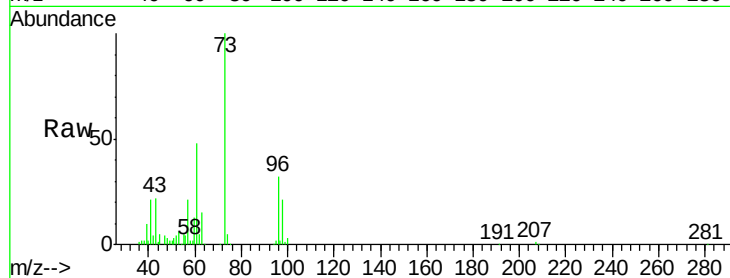


#19

Methyl tert-butyl Ether
 Concen: 50.669 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

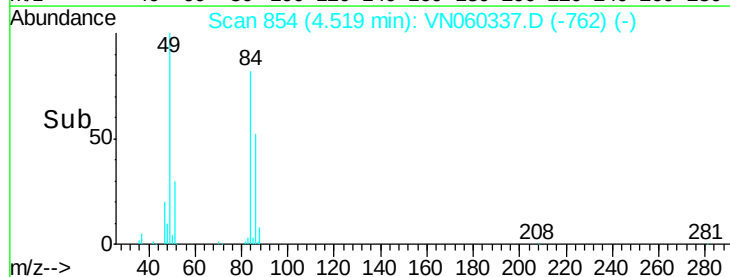
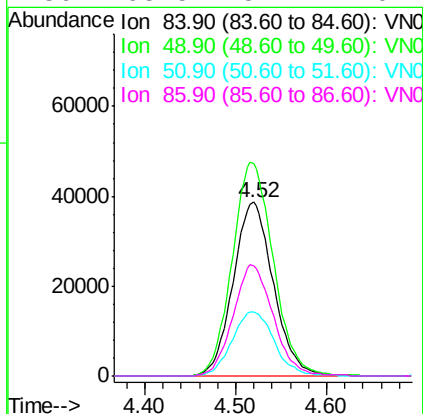
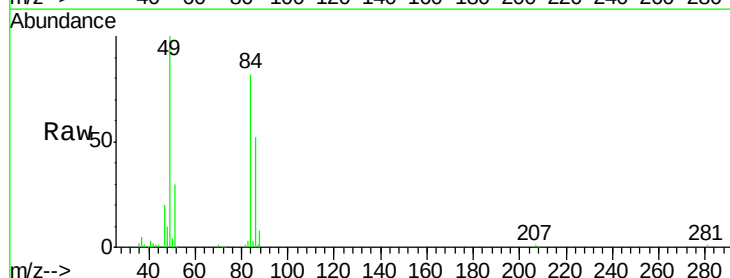
Tgt Ion: 73 Resp: 385615
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.3 25.9

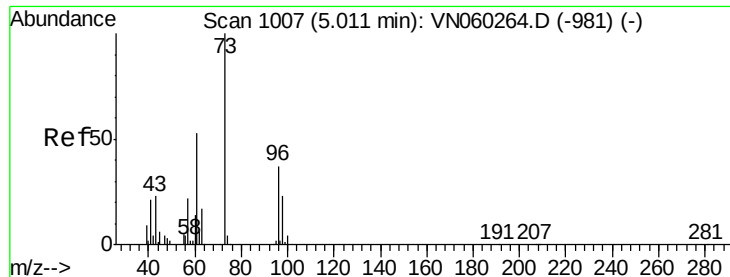


#20

Methylene Chloride
 Concen: 47.802 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion: 84 Resp: 118674
 Ion Ratio Lower Upper
 84 100
 49 122.6 99.3 148.9
 51 37.1 30.1 45.1
 86 63.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.367 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

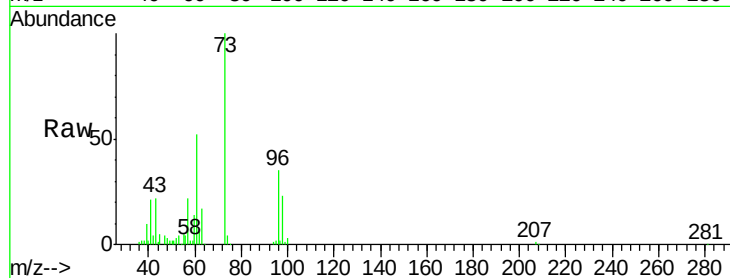
Tgt Ion: 96 Resp: 111190

Ion Ratio Lower Upper

96 100

61 148.3 113.8 170.8

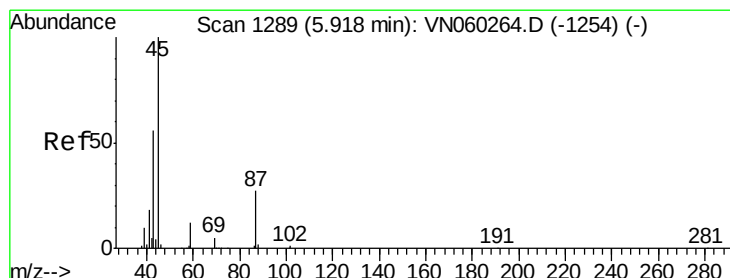
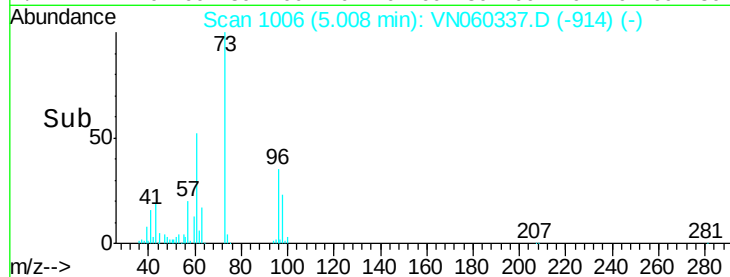
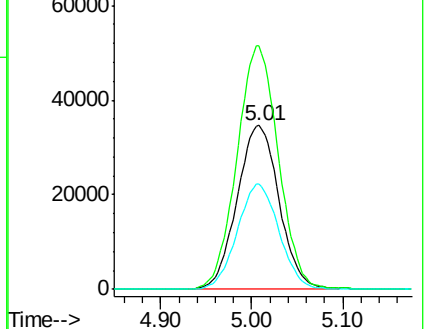
98 64.6 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VN060337.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN060337.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN060337.D (-914) (-)



#22

Diisopropyl ether

Concen: 51.507 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion: 45 Resp: 403231

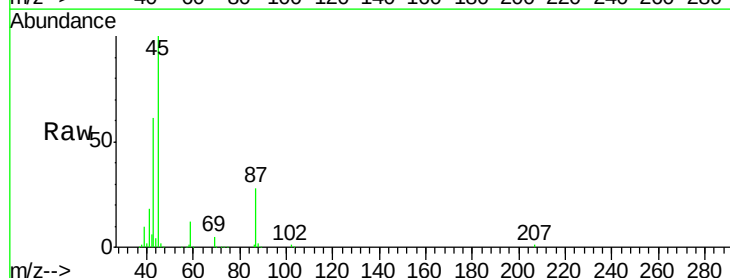
Ion Ratio Lower Upper

45 100

43 59.7 48.6 72.8

87 28.2 22.2 33.2

59 12.0 9.5 14.3

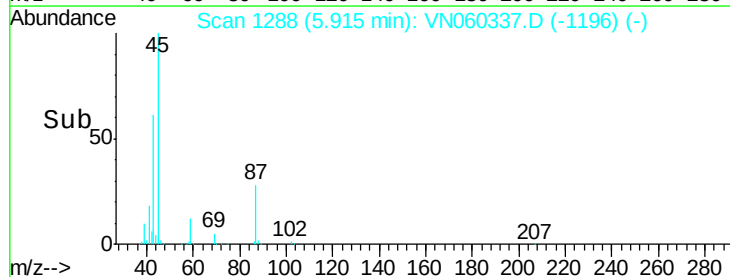
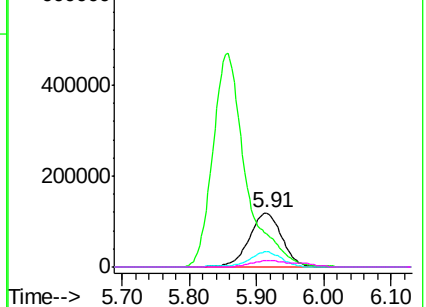


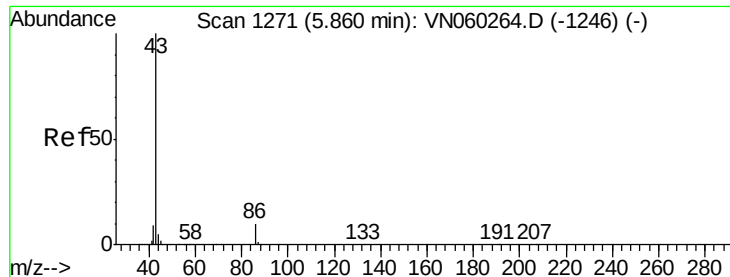
Abundance Ion 45.00 (44.70 to 45.70): VN060337.D (-1196) (-)

Ion 43.00 (42.70 to 43.70): VN060337.D (-1196) (-)

Ion 87.00 (86.70 to 87.70): VN060337.D (-1196) (-)

Ion 59.00 (58.70 to 59.70): VN060337.D (-1196) (-)





#23

Vinyl Acetate

Concen: 257.071 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

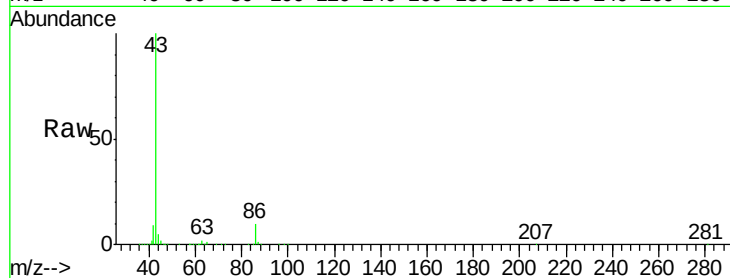
VSTDCCC050

Tgt Ion: 43 Resp: 1599195

Ion Ratio Lower Upper

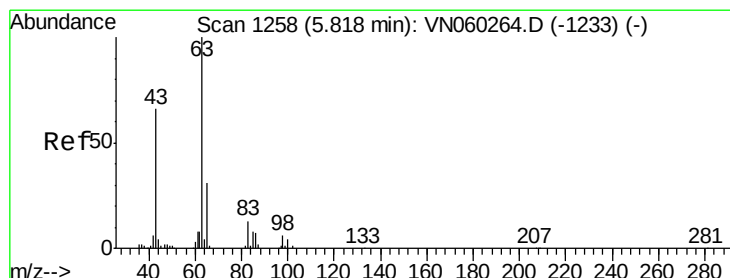
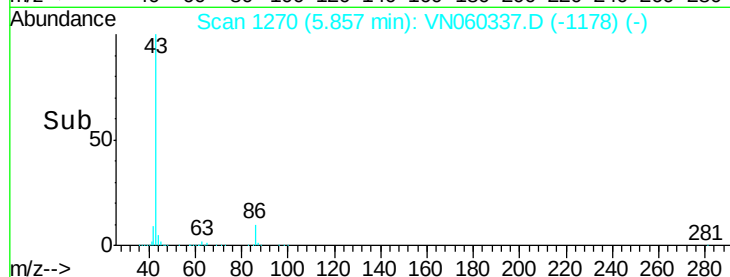
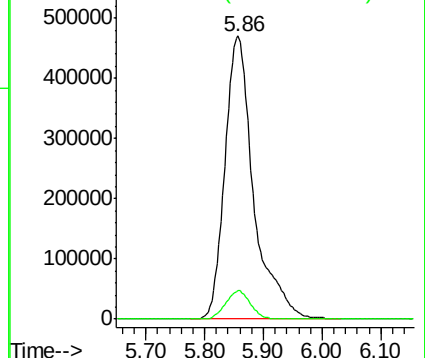
43 100

86 10.1 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.864 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

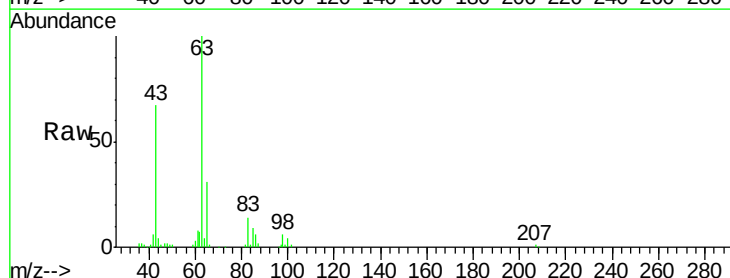
Tgt Ion: 63 Resp: 220971

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

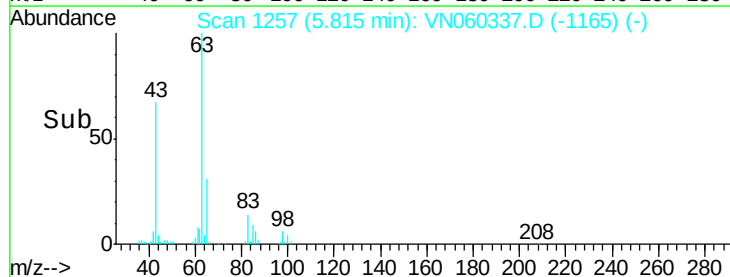
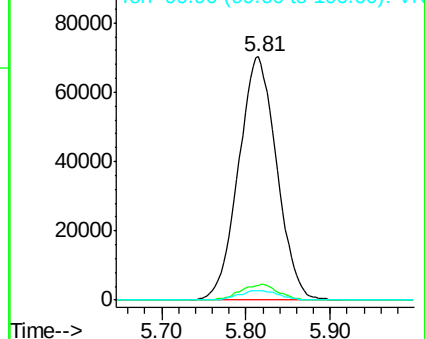
100 3.9 2.0 6.0

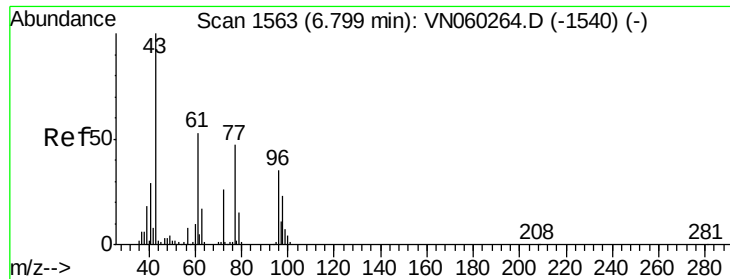


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 251.364 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

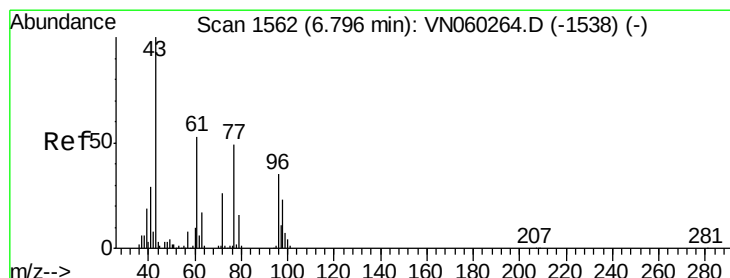
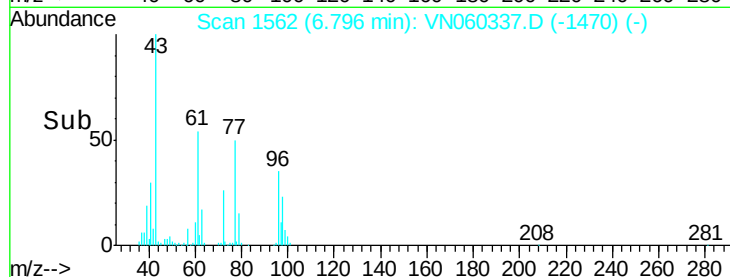
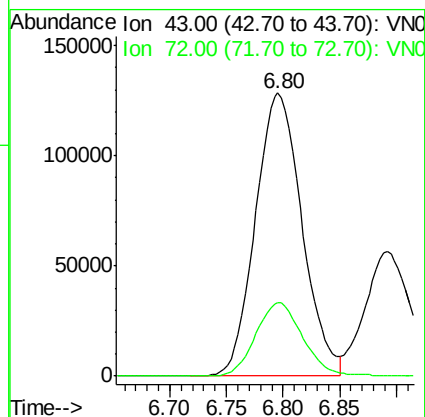
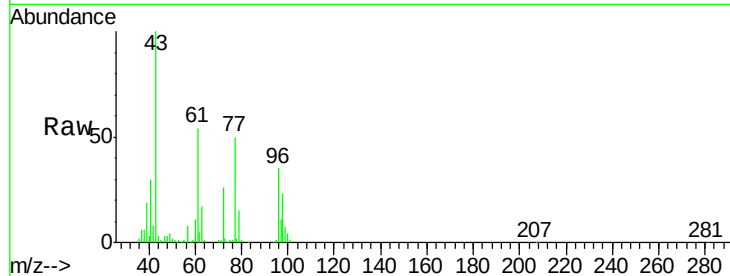
VSTDCCC050

Tgt Ion: 43 Resp: 367029

Ion Ratio Lower Upper

43 100

72 26.2 20.9 31.3



#26

2,2-Dichloropropane

Concen: 51.205 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060337.D

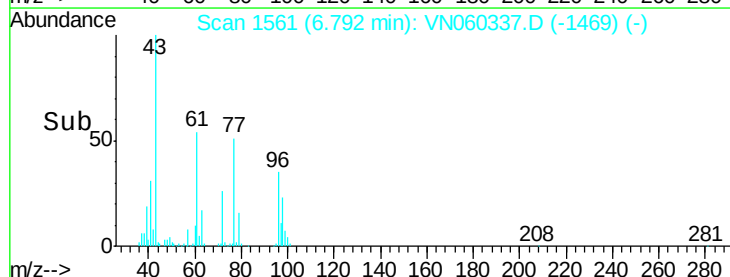
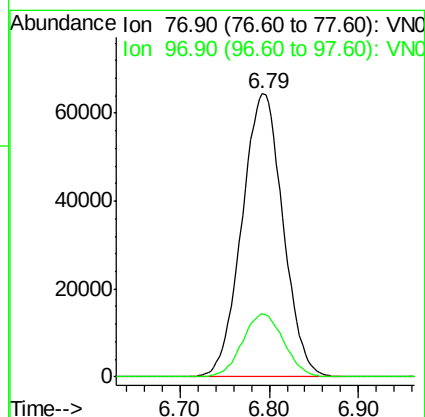
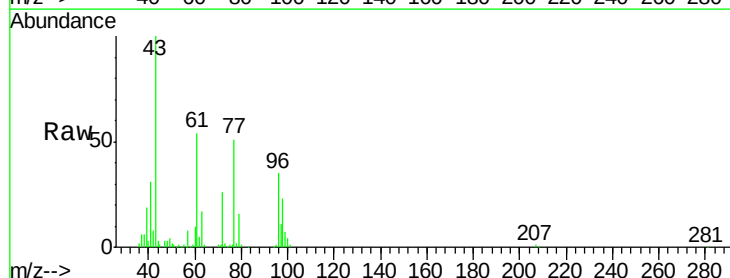
Acq: 4 Mar 2020 8:44

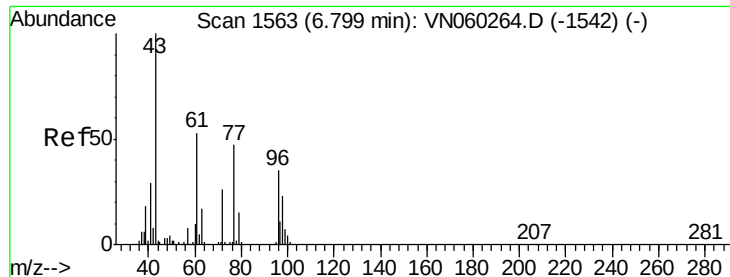
Tgt Ion: 77 Resp: 206576

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 46.721 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

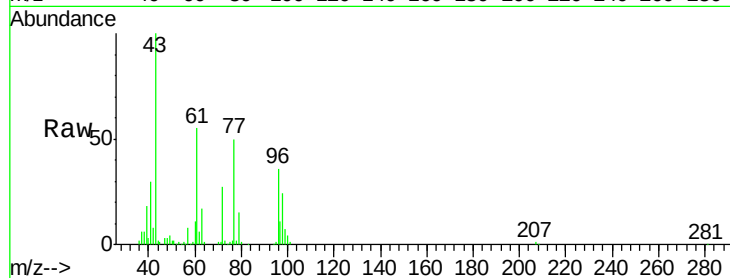
Tgt Ion: 96 Resp: 134499

Ion Ratio Lower Upper

96 100

61 153.0 0.0 300.8

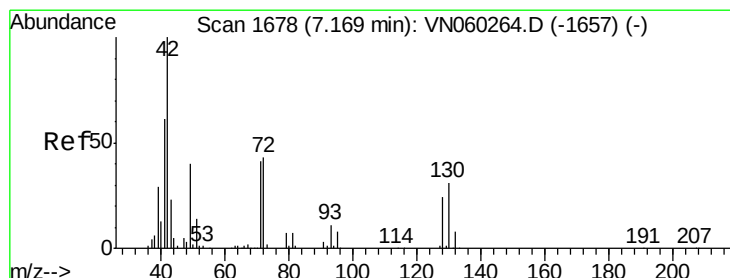
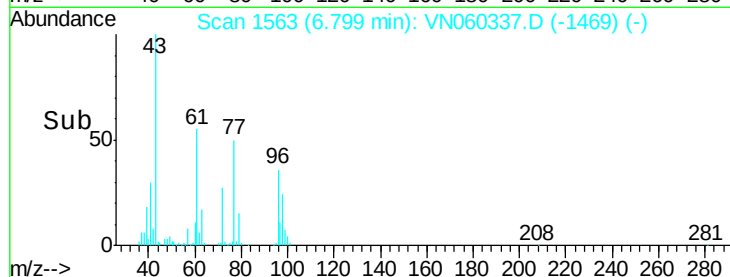
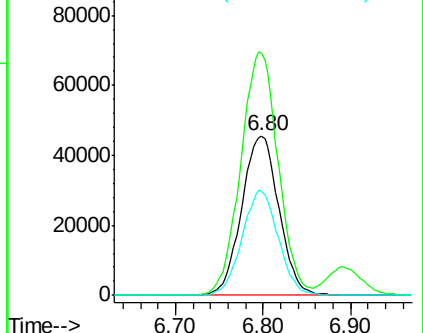
98 64.2 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060337.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060337.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060337.D (-1469) (-)



#28

Bromochloromethane

Concen: 48.683 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

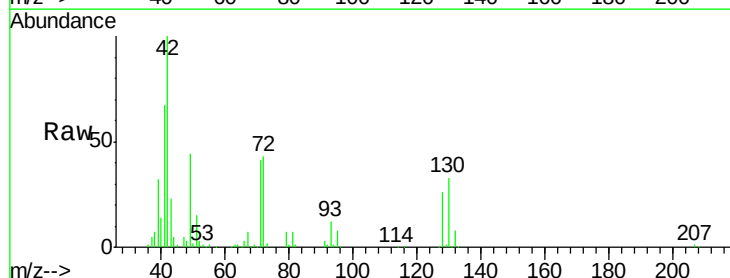
Tgt Ion: 49 Resp: 88577

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

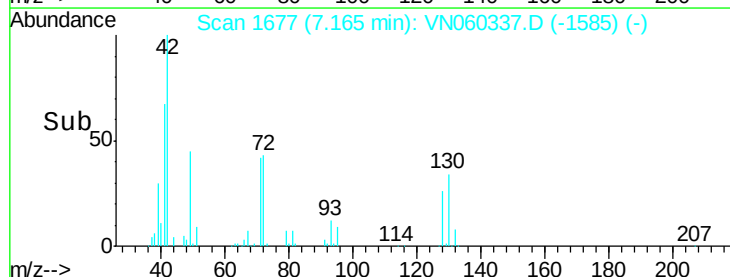
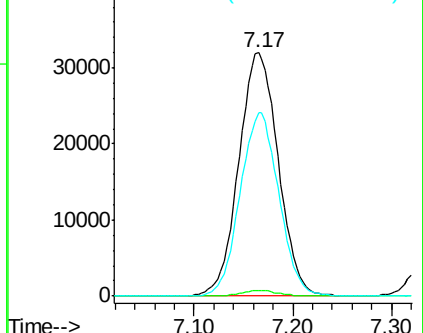
130 73.9 59.8 89.8

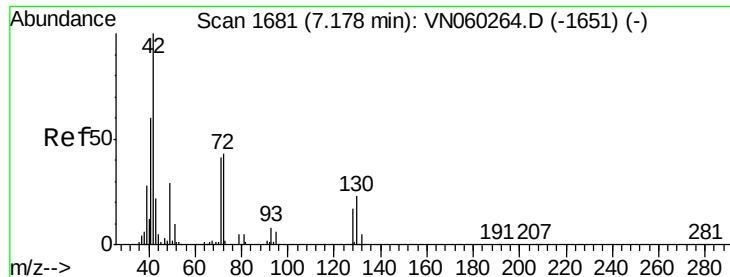


Abundance Ion 48.90 (48.60 to 49.60): VN060337.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060337.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060337.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 246.116 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

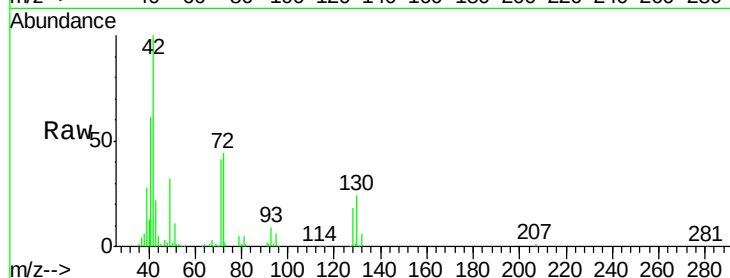
Tgt Ion: 42 Resp: 249896

Ion Ratio Lower Upper

42 100

72 43.0 34.6 52.0

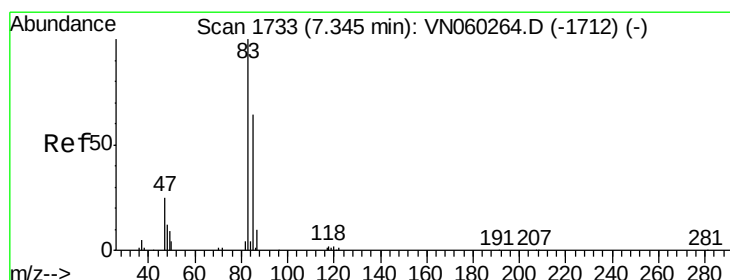
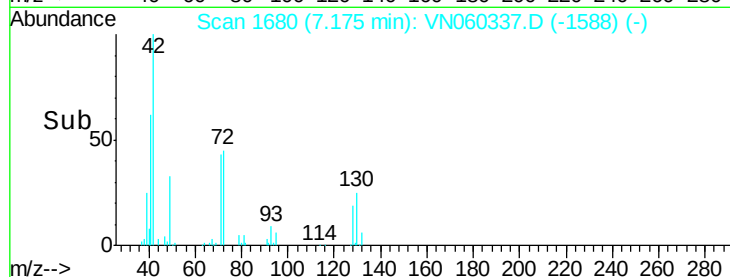
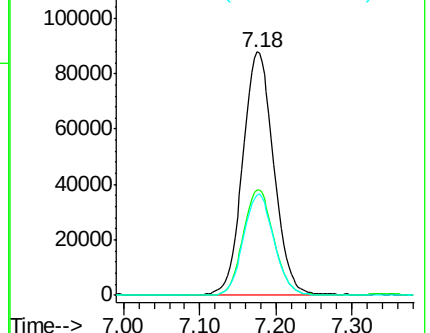
71 41.0 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060337.D (-1588) (-)

Ion 72.00 (71.70 to 72.70): VN060337.D (-1588) (-)

Ion 71.00 (70.70 to 71.70): VN060337.D (-1588) (-)



#30

Chloroform

Concen: 50.756 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060337.D

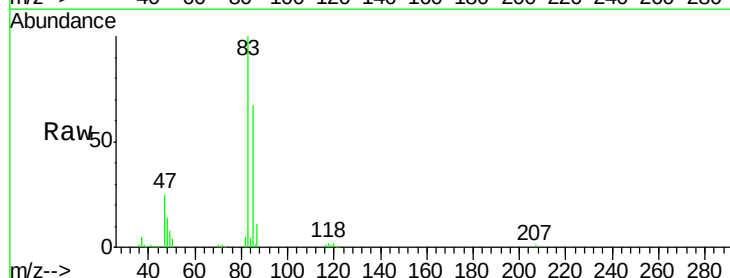
Acq: 4 Mar 2020 8:44

Tgt Ion: 83 Resp: 223905

Ion Ratio Lower Upper

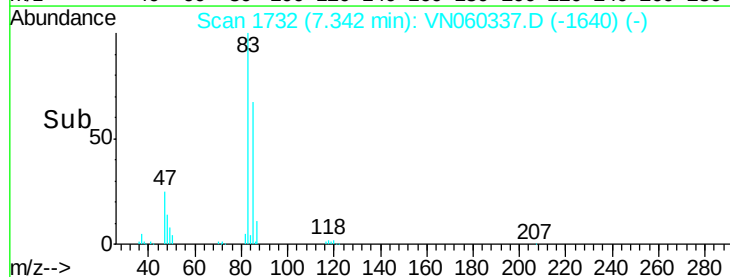
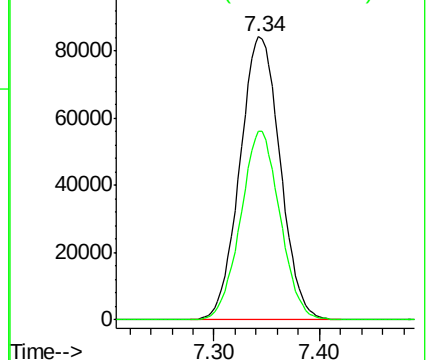
83 100

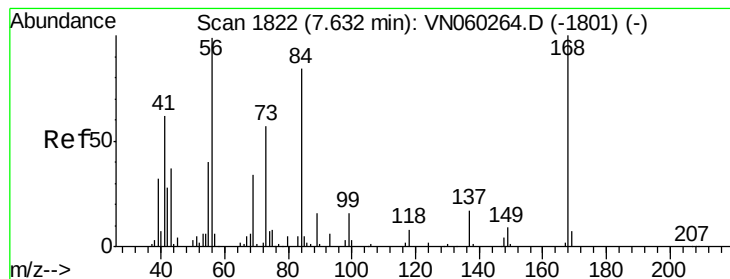
85 66.8 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060337.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN060337.D (-1640) (-)





#31

Cyclohexane

Concen: 51.898 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

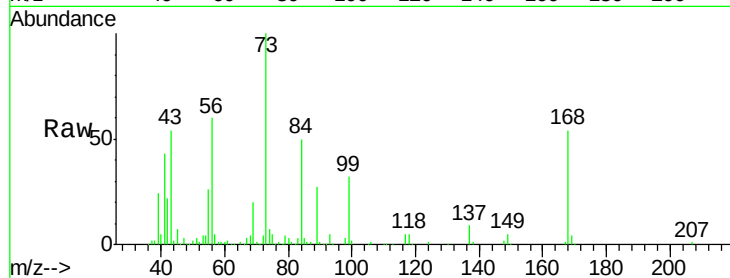
Tgt Ion: 56 Resp: 196068

Ion Ratio Lower Upper

56 100

69 33.7 27.2 40.8

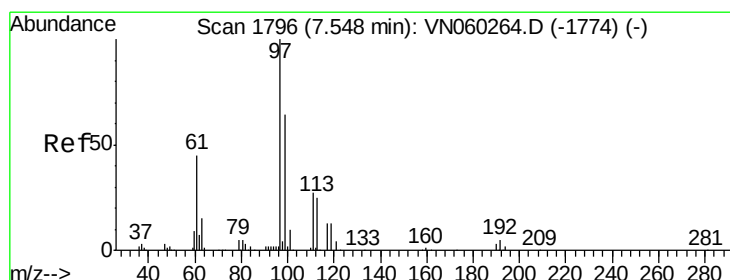
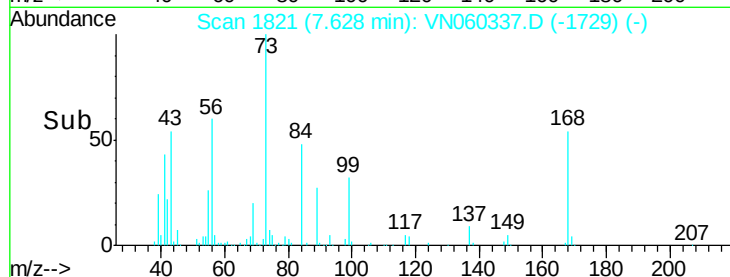
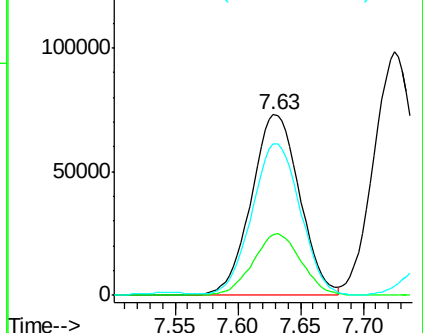
84 82.6 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060337.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060337.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060337.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 50.243 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

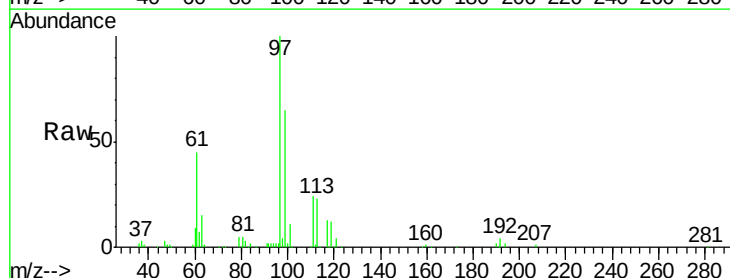
Tgt Ion: 97 Resp: 196380

Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

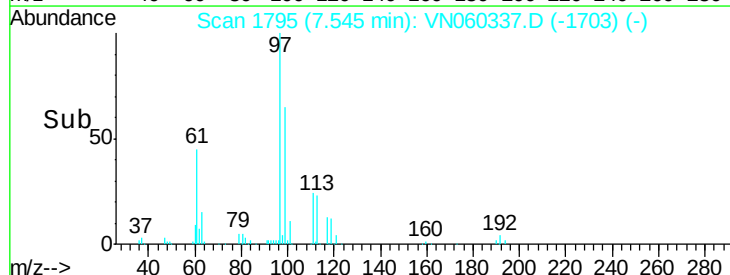
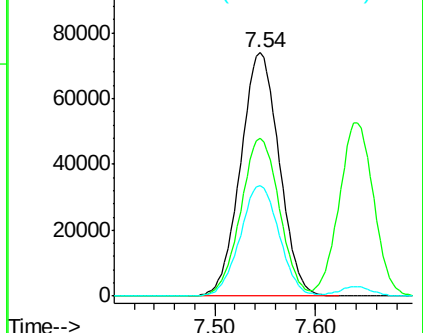
61 45.9 36.6 55.0

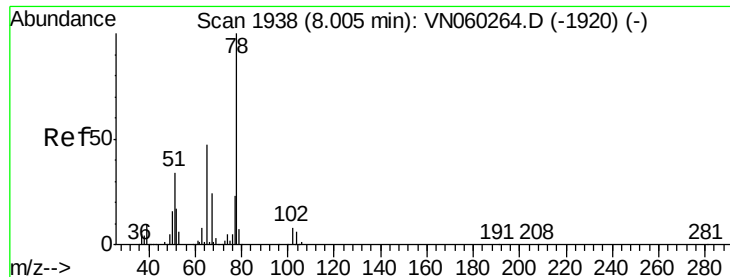


Abundance Ion 96.90 (96.60 to 97.60): VN060337.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060337.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060337.D (-1703) (-)

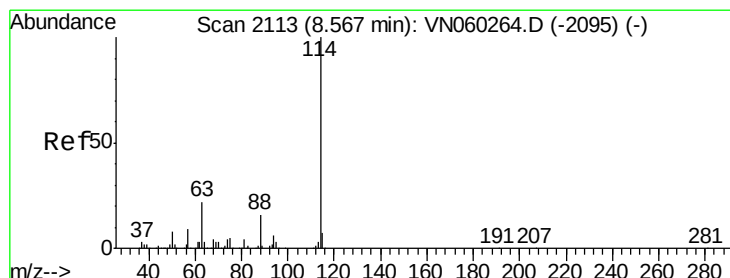
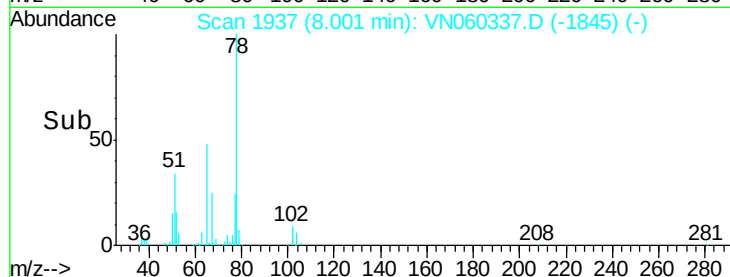
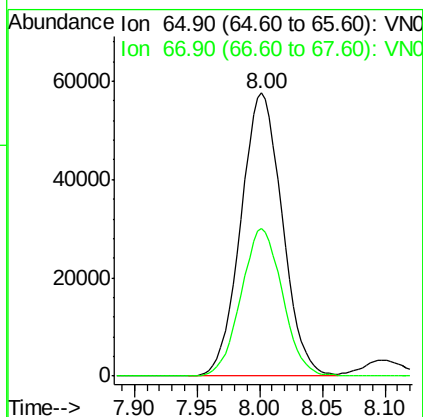
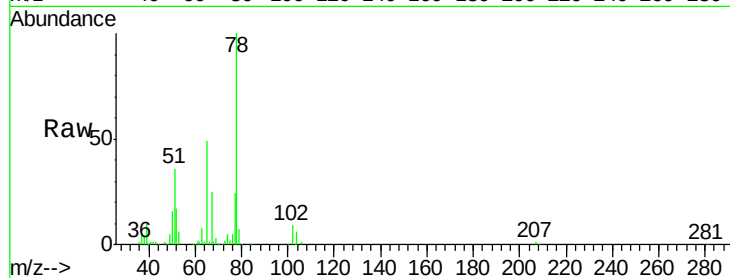




#33
 1,2-Dichloroethane-d4
 Concen: 47.394 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

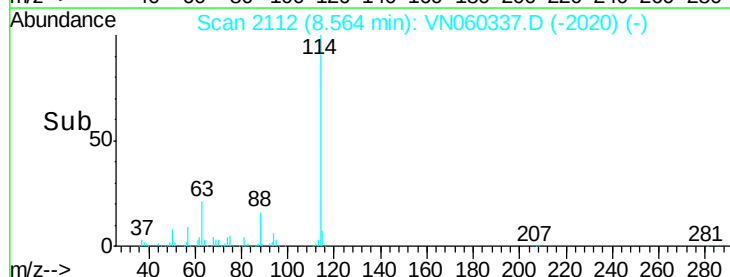
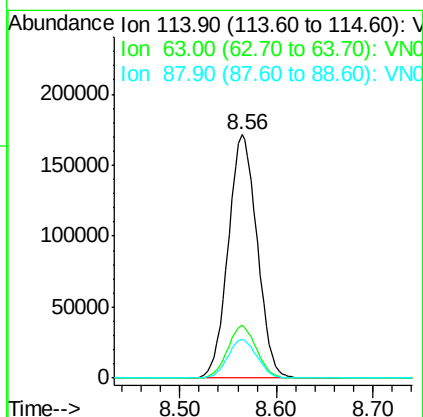
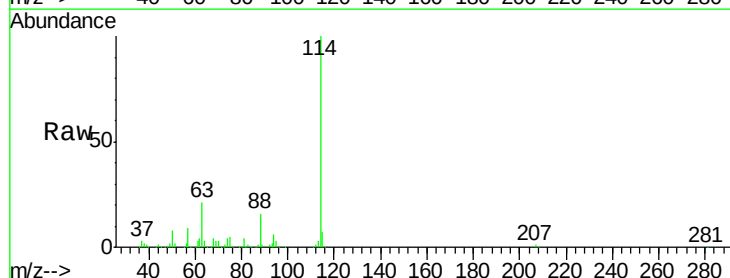
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

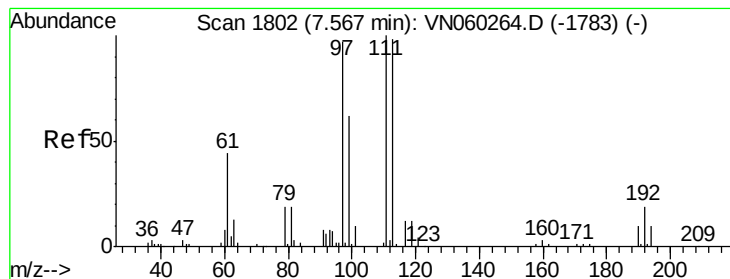
Tgt Ion: 65 Resp: 132670
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion: 114 Resp: 355248
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.386 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

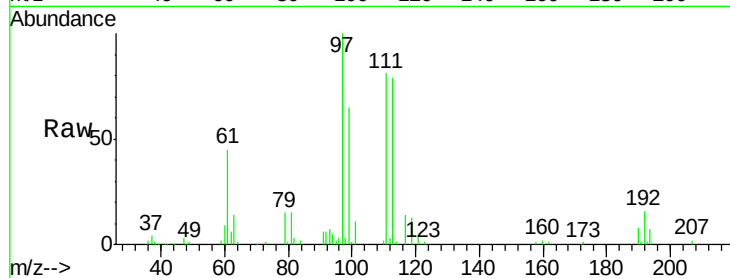
Tgt Ion:113 Resp: 81434

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

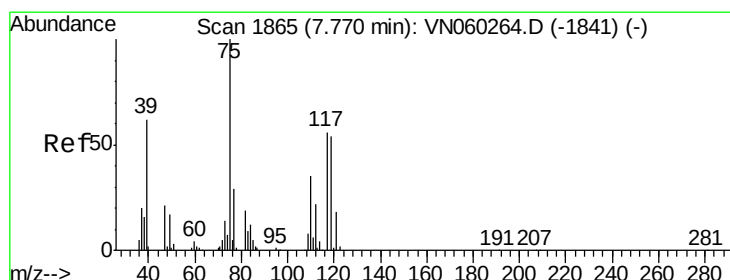
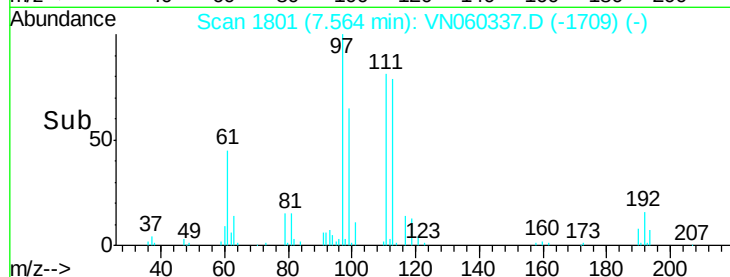
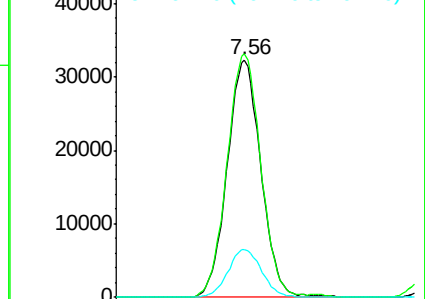
192 20.1 16.2 24.2



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: 49.162 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

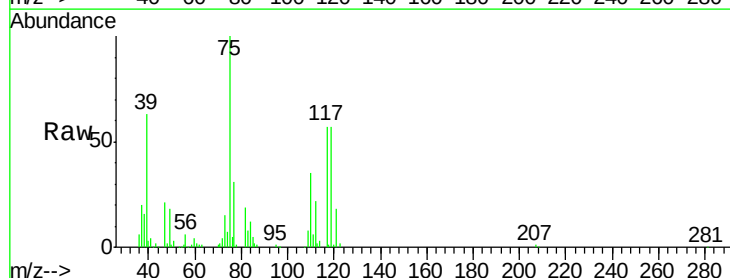
Tgt Ion: 75 Resp: 166446

Ion Ratio Lower Upper

75 100

110 34.8 17.3 52.0

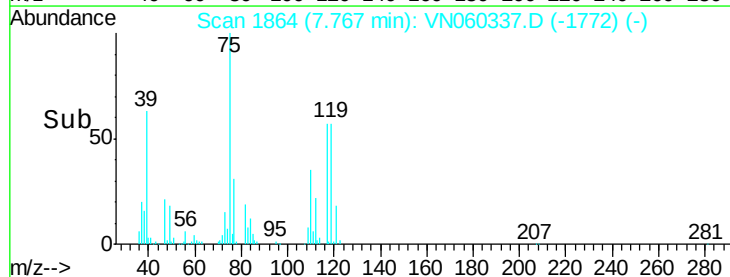
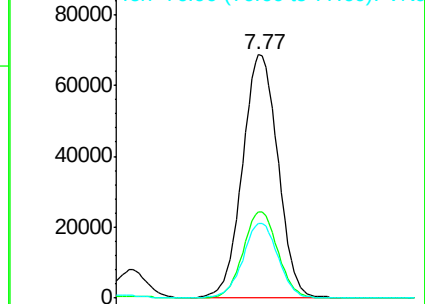
77 30.6 24.2 36.2

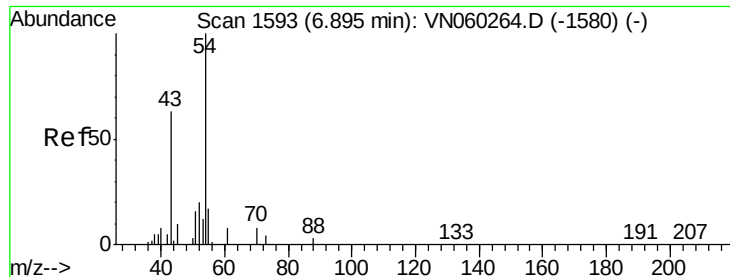


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

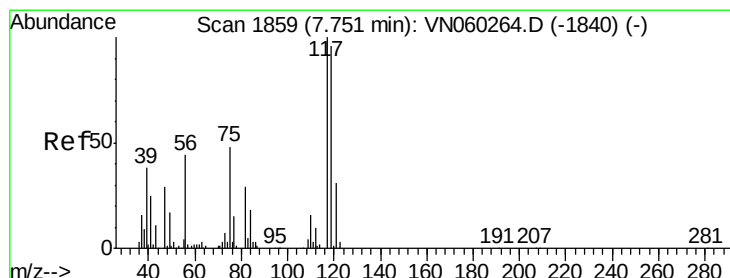
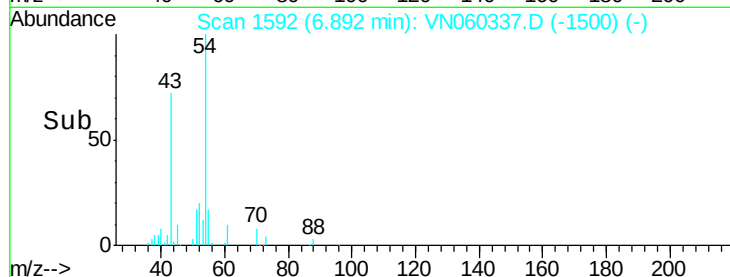
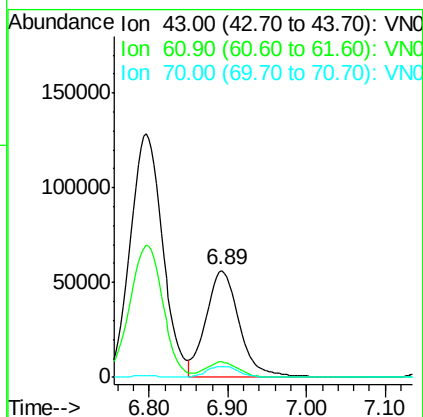
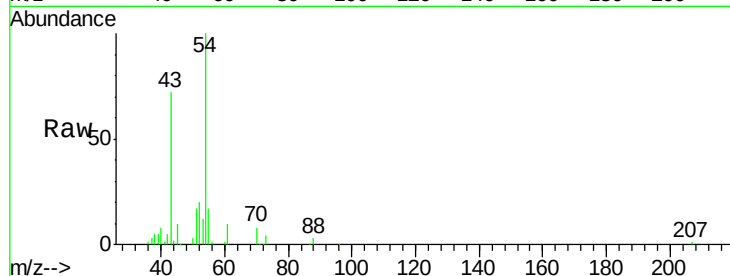




#37
Ethyl Acetate
Concen: 50.894 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

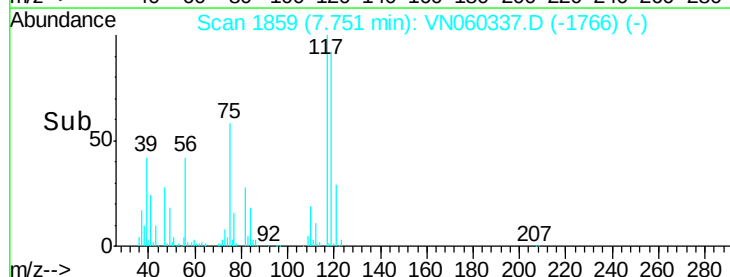
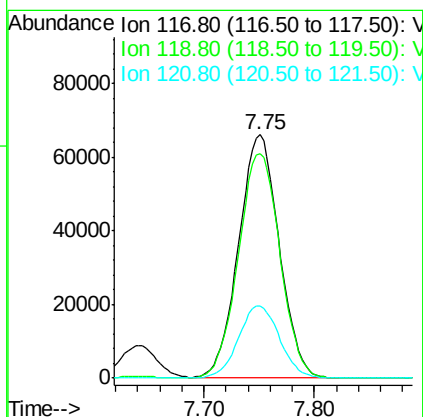
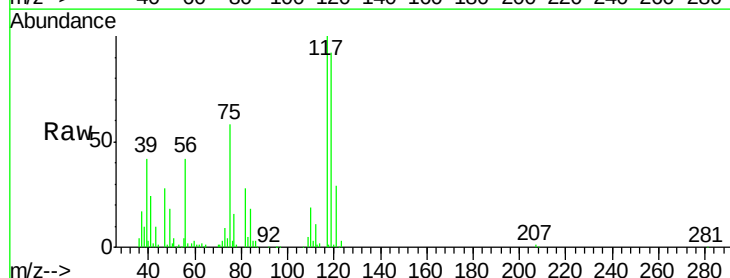
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

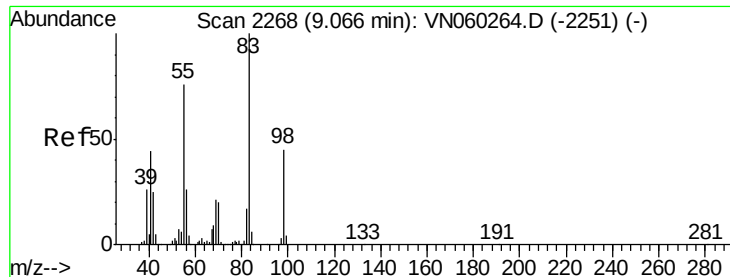
Tgt Ion: 43 Resp: 163156
Ion Ratio Lower Upper
43 100
61 14.1 11.1 16.7
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 51.057 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion: 117 Resp: 168304
Ion Ratio Lower Upper
117 100
119 92.4 76.7 115.1
121 29.5 24.5 36.7

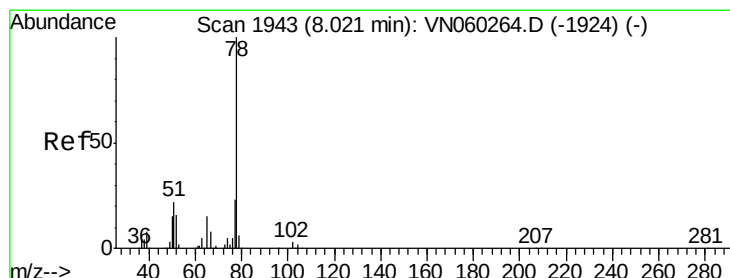
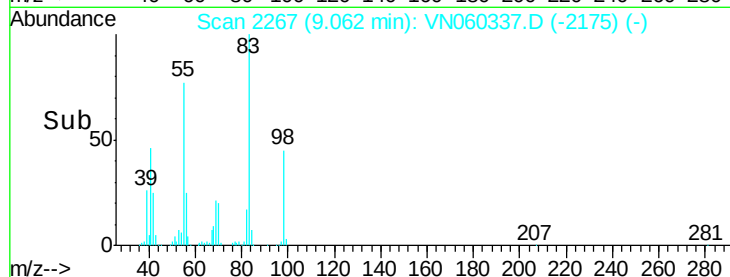
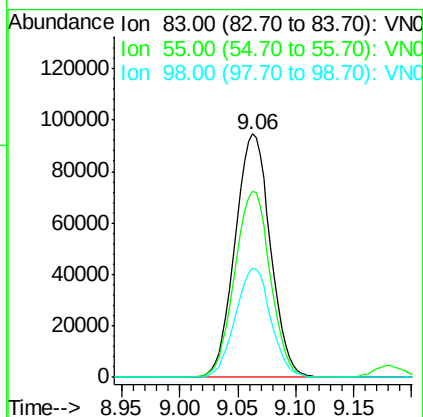
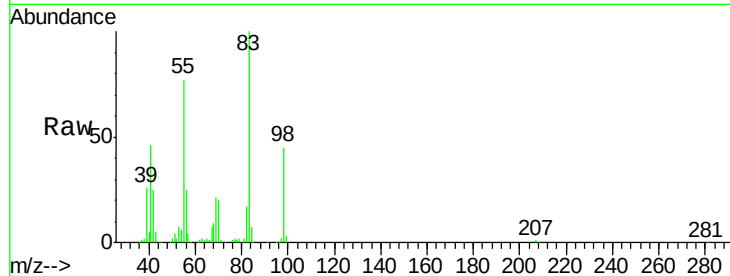




#39
Methylcyclohexane
Concen: 50.144 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

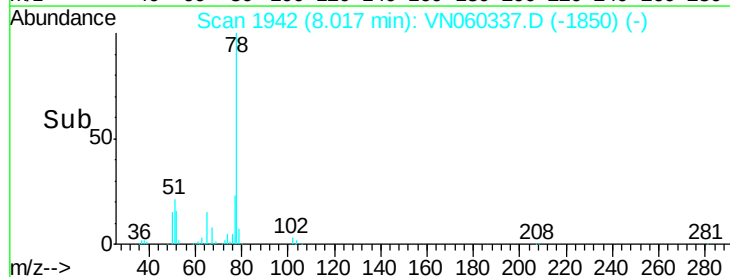
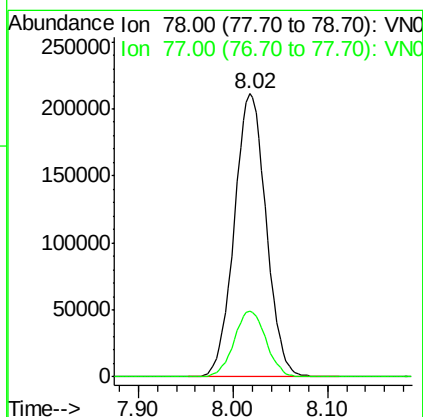
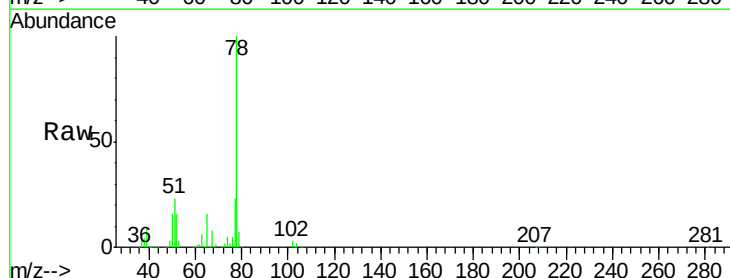
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

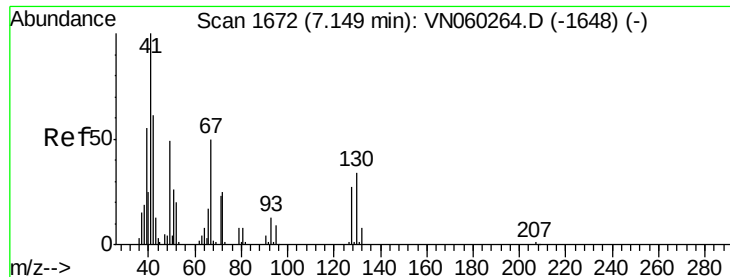
Tgt Ion: 83 Resp: 200171
Ion Ratio Lower Upper
83 100
55 76.6 61.0 91.4
98 44.7 36.1 54.1



#40
Benzene
Concen: 50.143 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion: 78 Resp: 494119
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

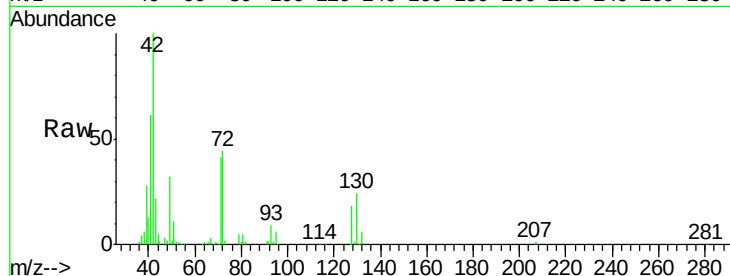




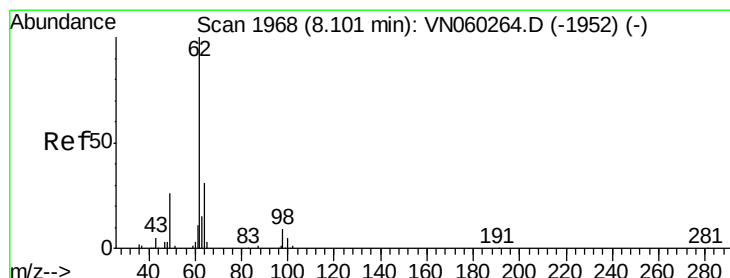
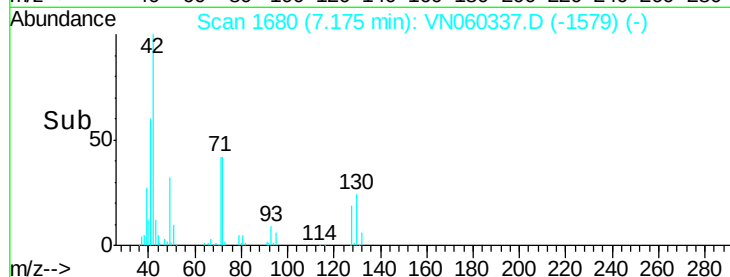
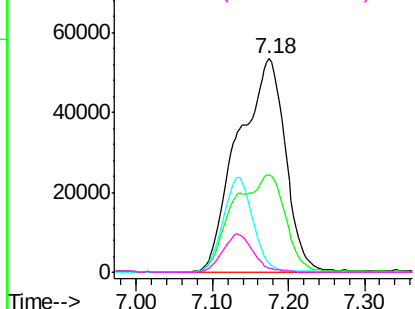
#41
Methacrylonitrile
Concen: 156.867 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	232202
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

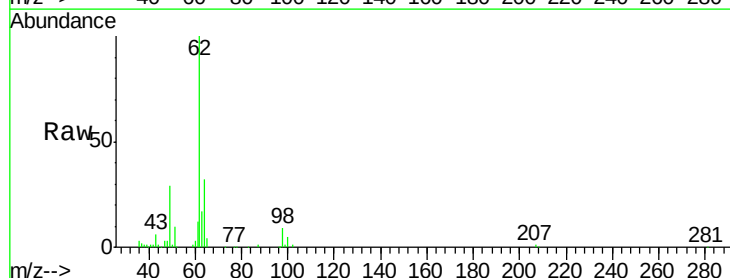


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

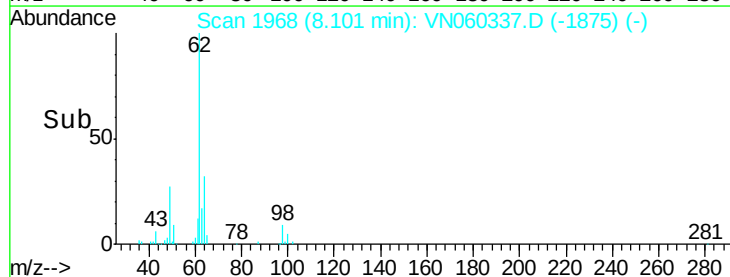
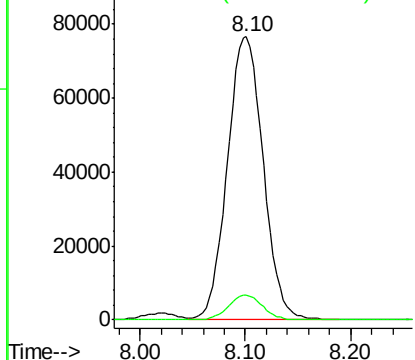


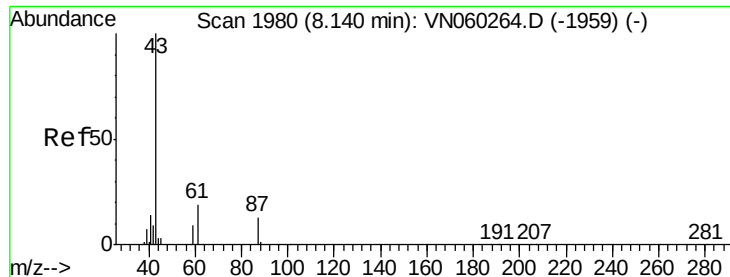
#42
1,2-Dichloroethane
Concen: 50.734 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion:	62	Resp:	180409
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 51.225 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

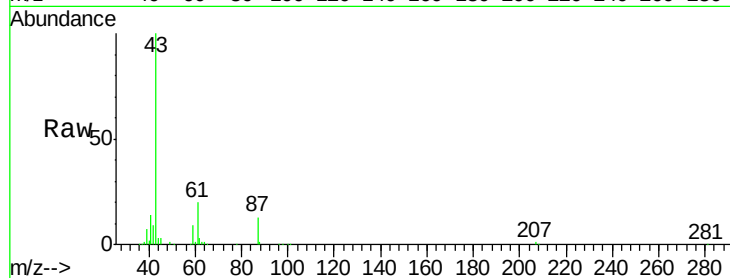
Tgt Ion: 43 Resp: 287494

Ion Ratio Lower Upper

43 100

61 26.4 20.9 31.3

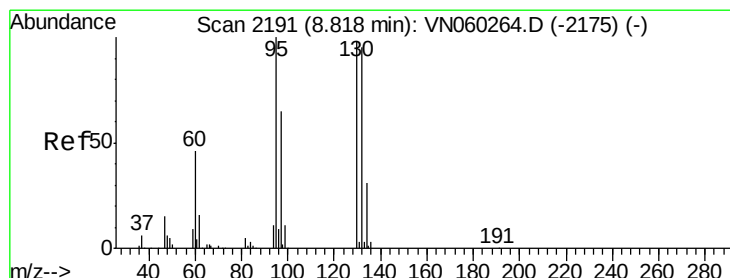
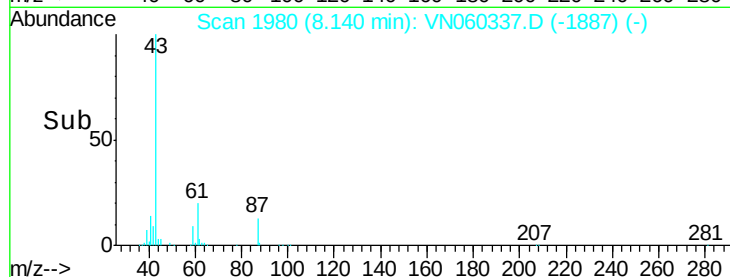
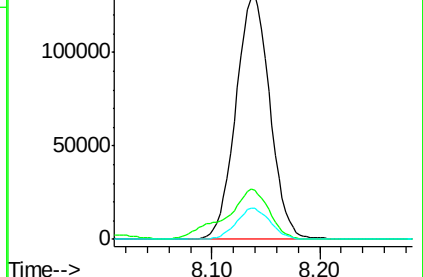
87 12.7 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060337.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060337.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060337.D (-1887) (-)



#44

Trichloroethene

Concen: 50.127 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060337.D

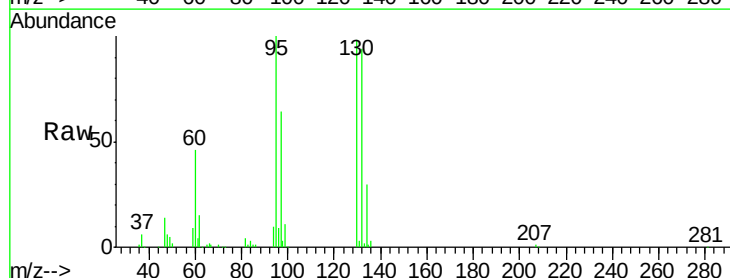
Acq: 4 Mar 2020 8:44

Tgt Ion: 130 Resp: 137574

Ion Ratio Lower Upper

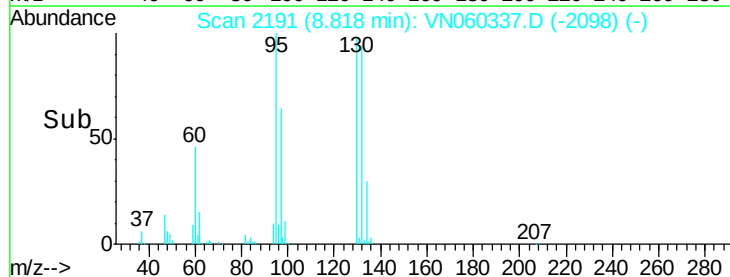
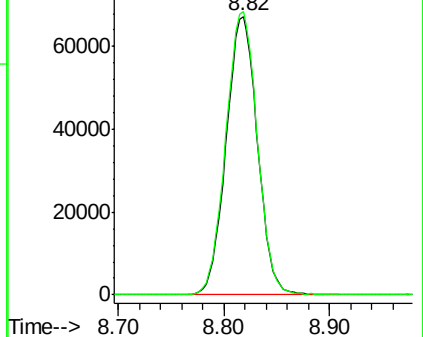
130 100

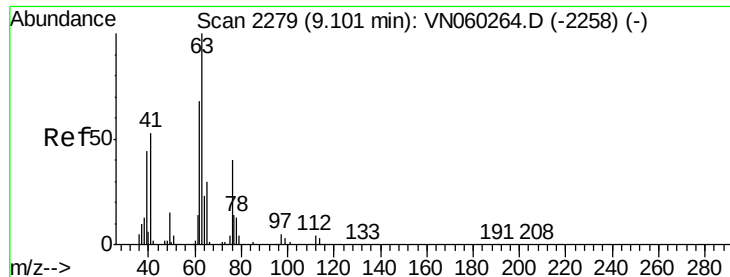
95 101.6 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060337.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060337.D (-2098) (-)

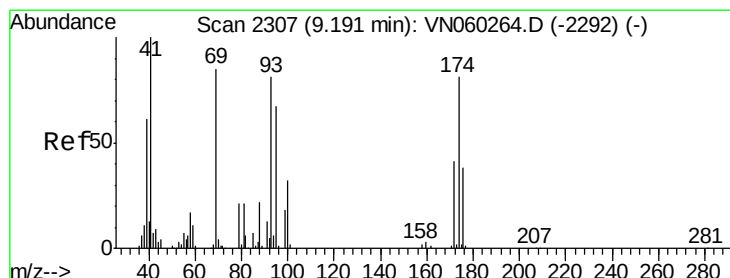
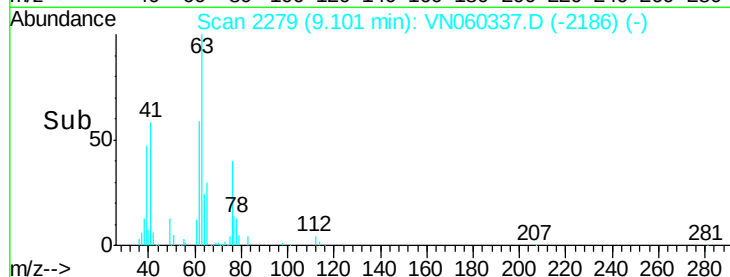
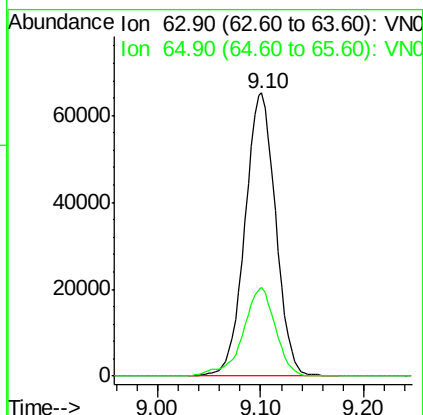
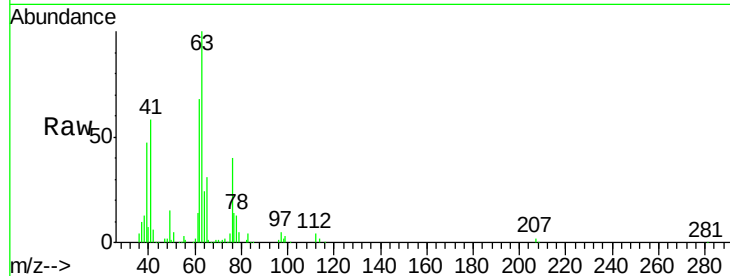




#45
 1,2-Dichloropropane
 Concen: 52.151 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

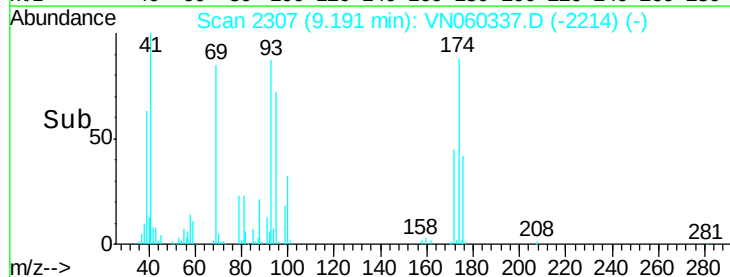
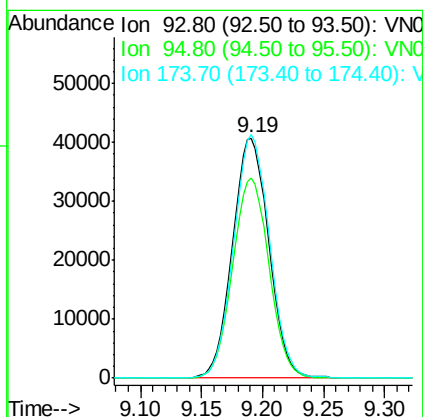
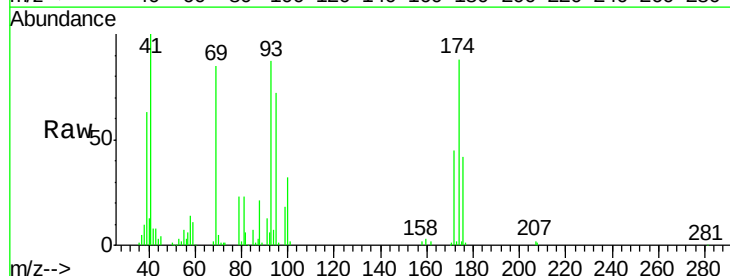
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

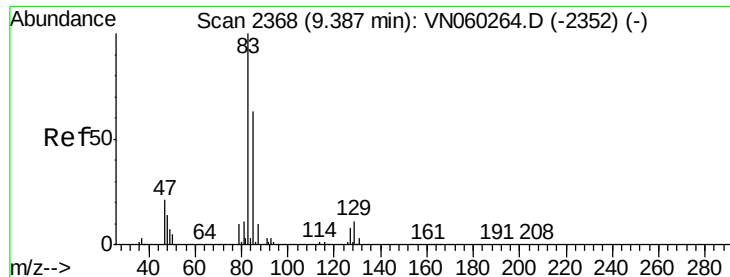
Tgt Ion: 63 Resp: 134364
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.4 36.6



#46
 Dibromomethane
 Concen: 50.376 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion: 93 Resp: 84217
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.9 98.9
 174 100.2 79.6 119.4





#47

Bromodichloromethane

Concen: 53.055 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

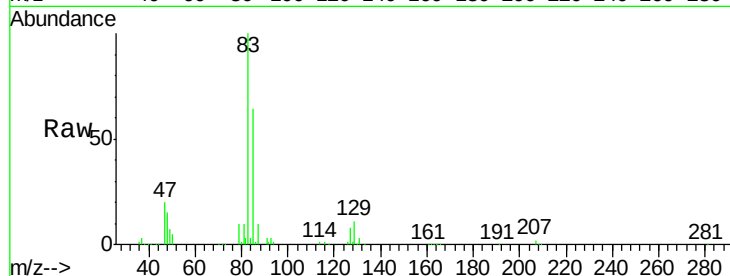
Tgt Ion: 83 Resp: 180392

Ion Ratio Lower Upper

83 100

85 63.7 50.7 76.1

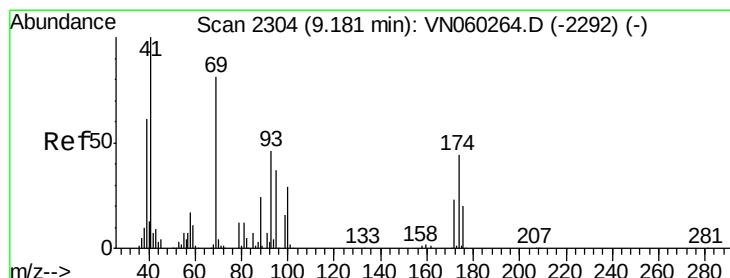
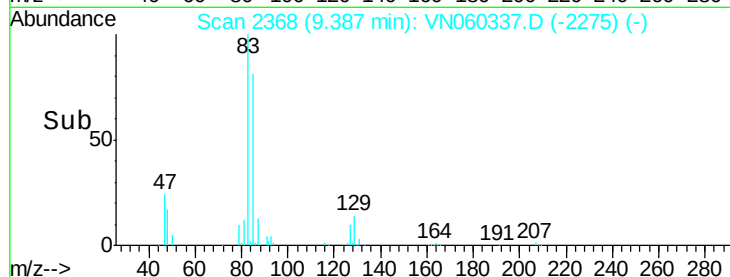
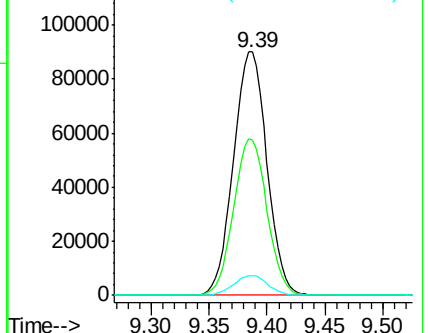
127 8.2 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060337.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060337.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060337.D (-2275) (-)



#48

Methyl methacrylate

Concen: 49.937 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

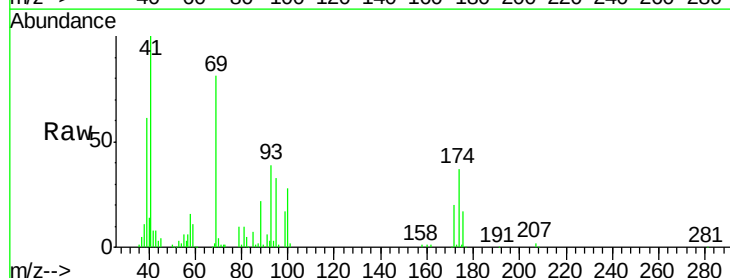
Tgt Ion: 41 Resp: 127804

Ion Ratio Lower Upper

41 100

69 84.5 66.7 100.1

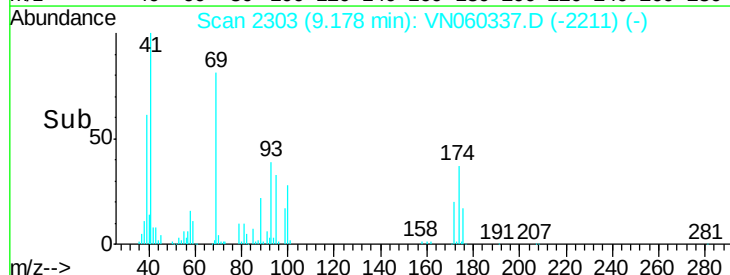
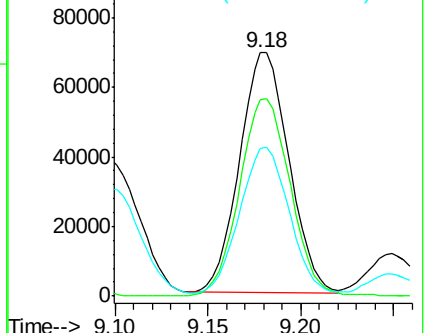
39 60.8 50.1 75.1

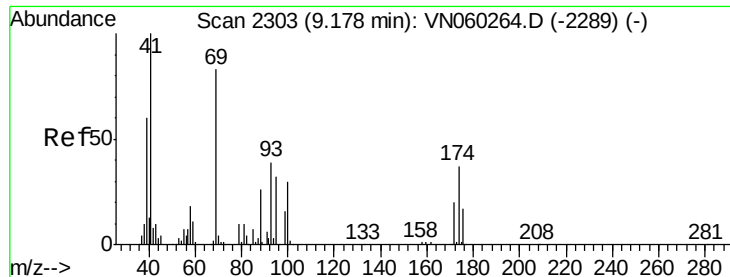


Abundance Ion 41.00 (40.70 to 41.70): VN060337.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060337.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060337.D (-2211) (-)

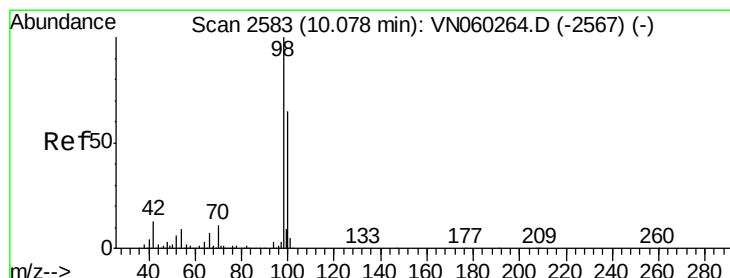
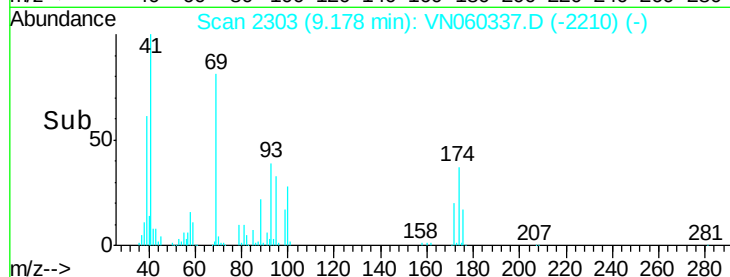
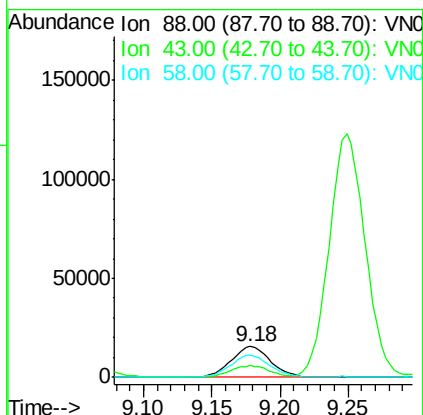
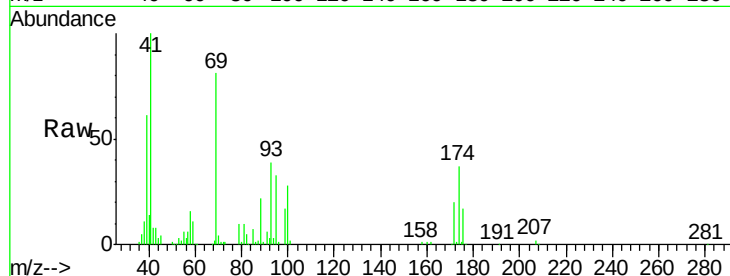




#49
1,4-Dioxane
Concen: 869.363 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

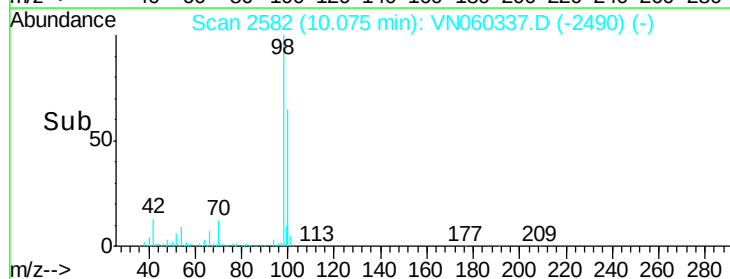
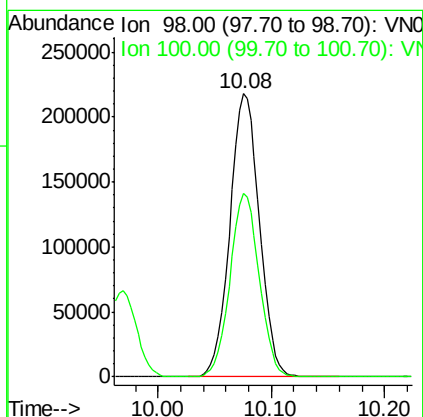
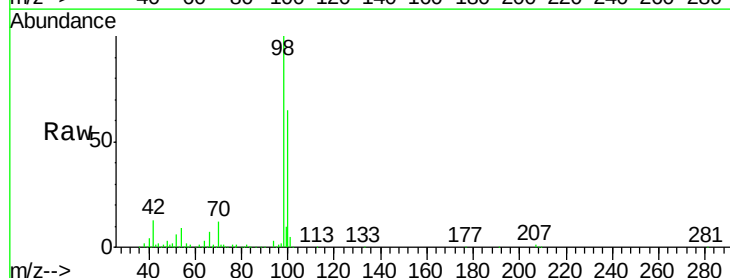
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

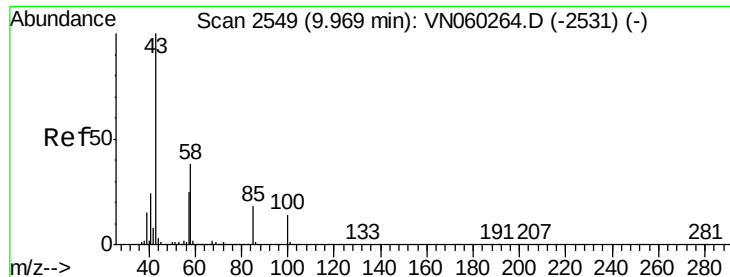
Tgt Ion: 88 Resp: 31289
Ion Ratio Lower Upper
88 100
43 37.4 30.4 45.6
58 72.3 57.0 85.6



#50
Toluene-d8
Concen: 47.348 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion: 98 Resp: 395142
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2

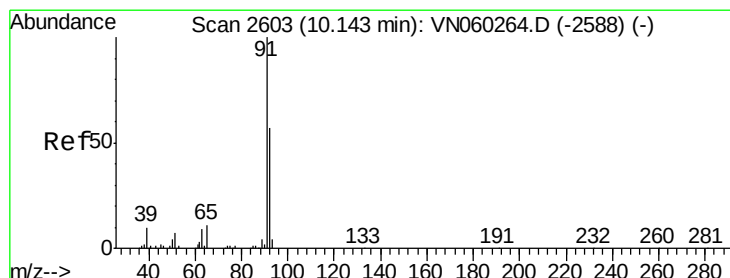
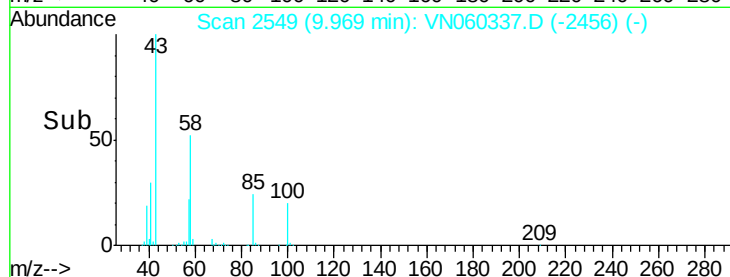
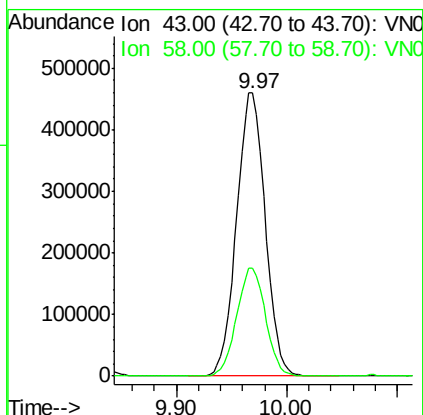
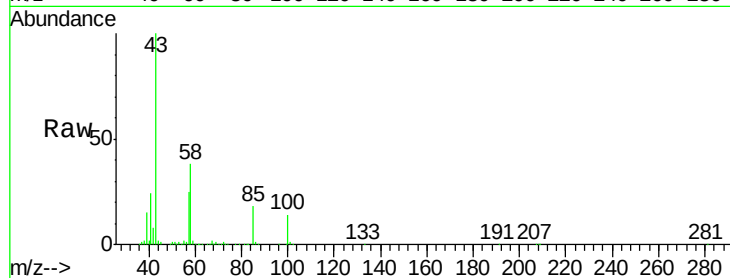




#51
 4-Methyl-2-Pentanone
 Concen: 259.957 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

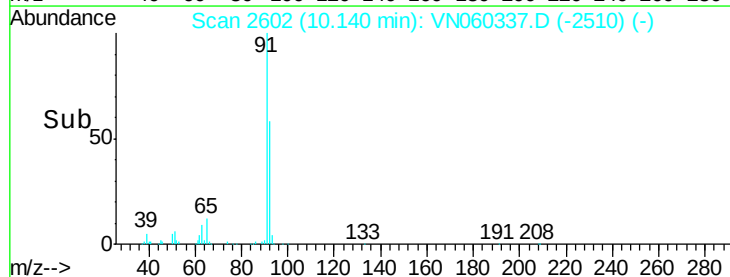
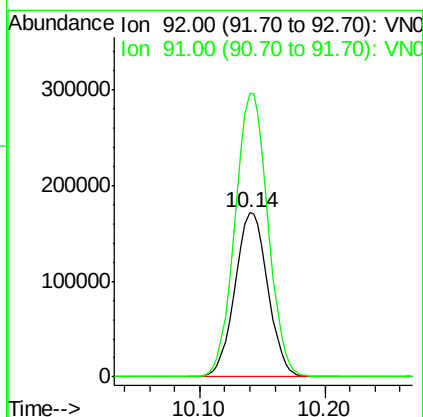
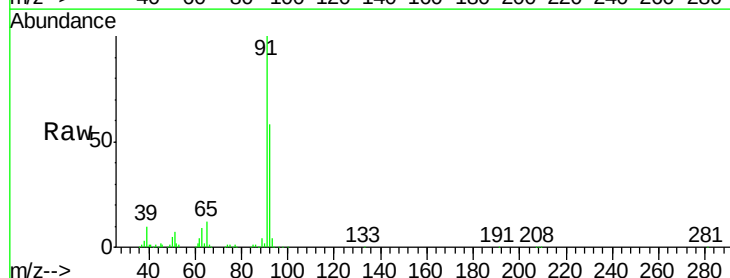
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

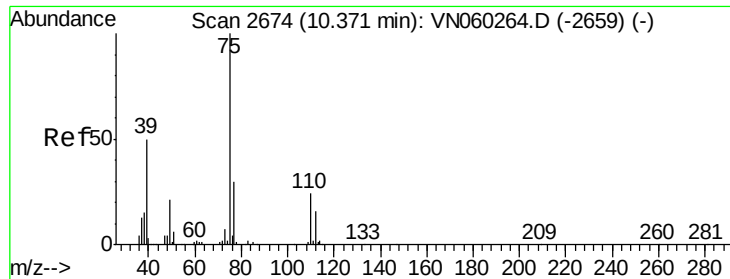
Tgt Ion: 43 Resp: 827210
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3



#52
 Toluene
 Concen: 50.458 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion: 92 Resp: 312342
 Ion Ratio Lower Upper
 92 100
 91 173.3 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 50.957 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

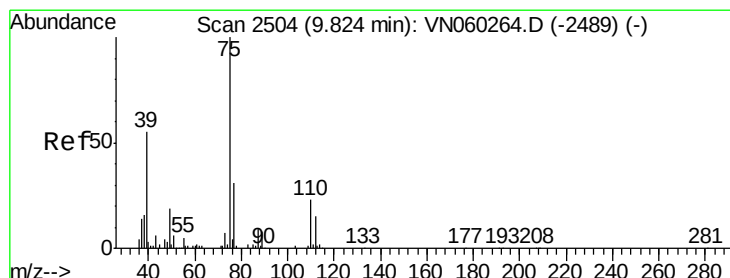
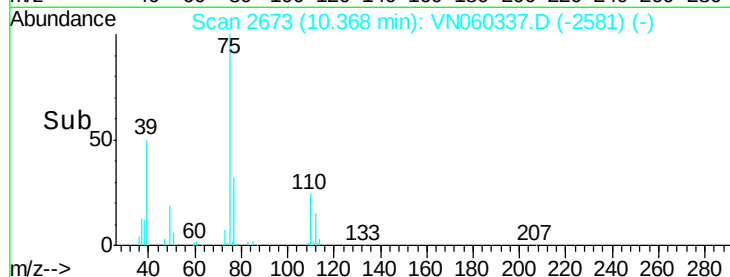
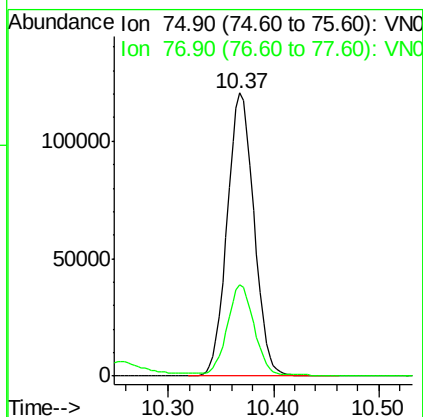
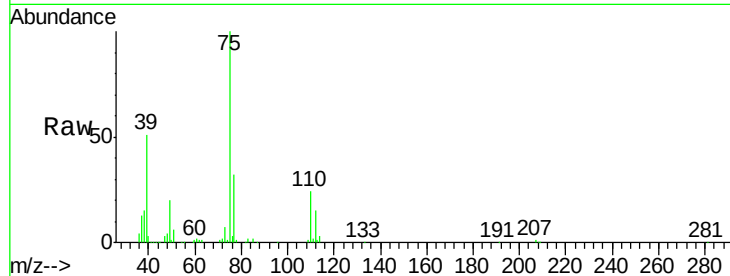
VSTDCCC050

Tgt Ion: 75 Resp: 212295

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 51.546 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

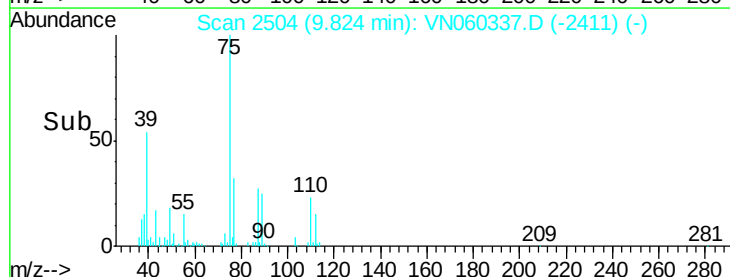
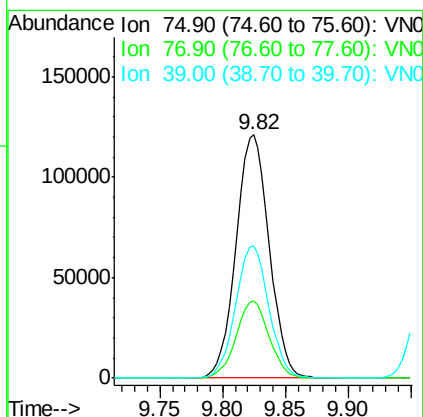
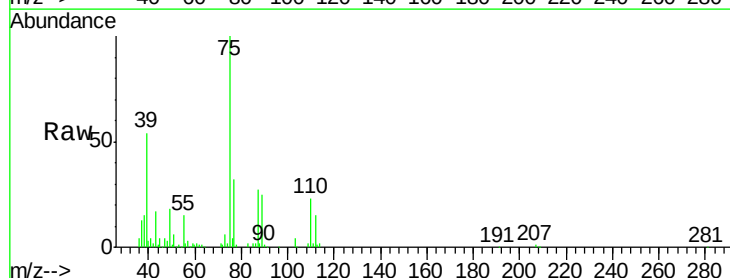
Tgt Ion: 75 Resp: 222530

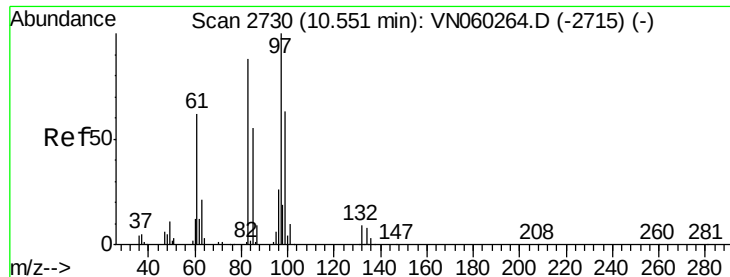
Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 54.3 43.8 65.8

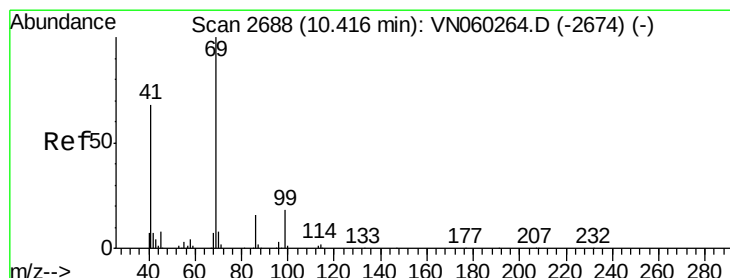
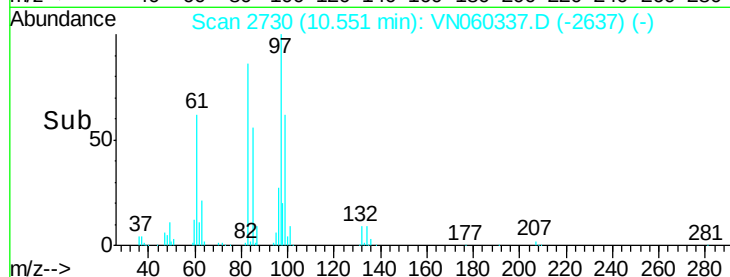
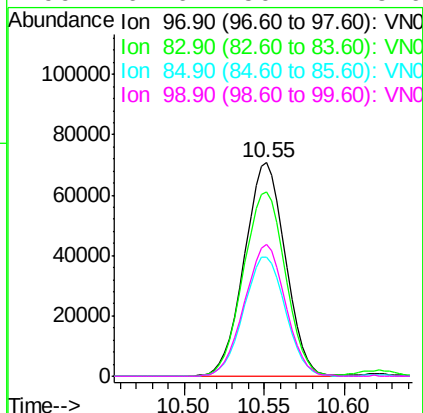
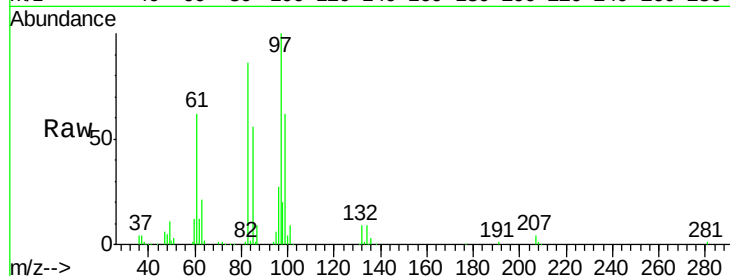




#55
 1,1,2-Trichloroethane
 Concen: 50.047 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

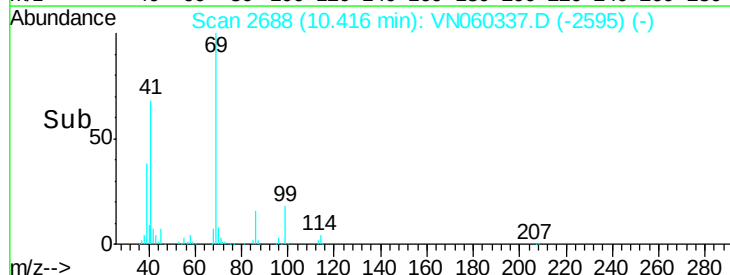
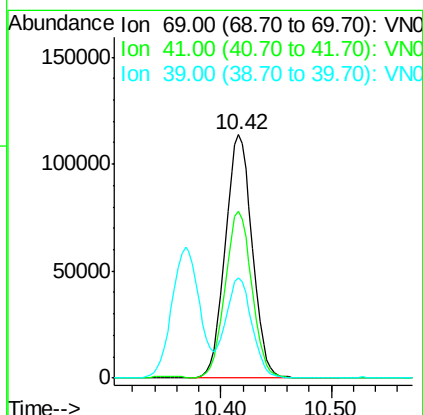
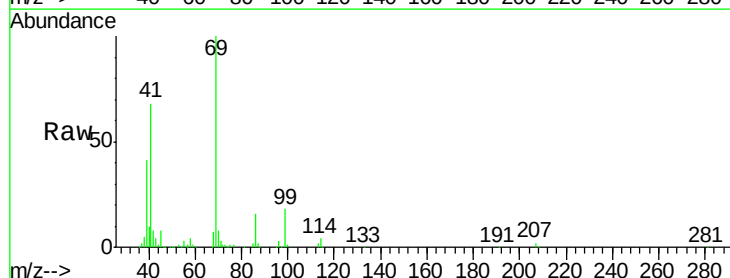
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

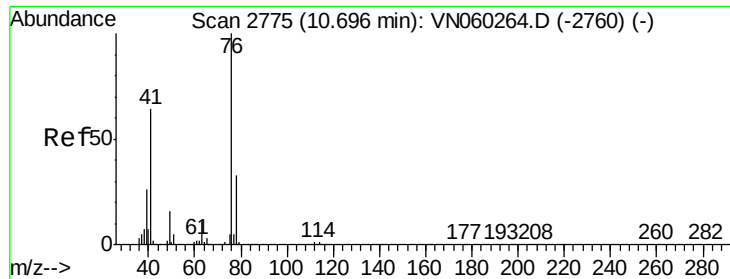
Tgt Ion: 97 Resp: 124582
 Ion Ratio Lower Upper
 97 100
 83 86.4 70.0 105.0
 85 56.0 44.0 66.0
 99 61.6 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 53.804 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion: 69 Resp: 192416
 Ion Ratio Lower Upper
 69 100
 41 67.5 54.1 81.1
 39 40.5 32.5 48.7





#57

1,3-Dichloropropane

Concen: 51.409 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

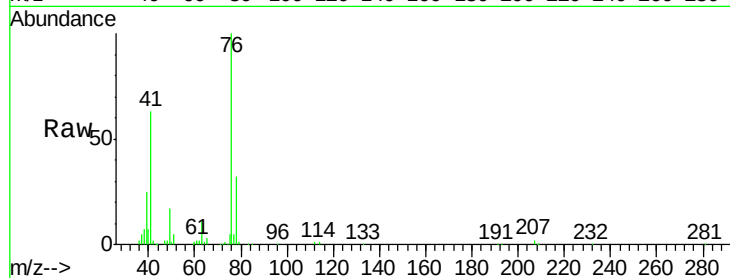
VSTDCCC050

Tgt Ion: 76 Resp: 208698

Ion Ratio Lower Upper

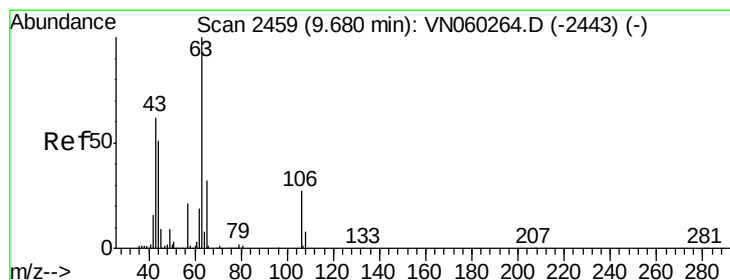
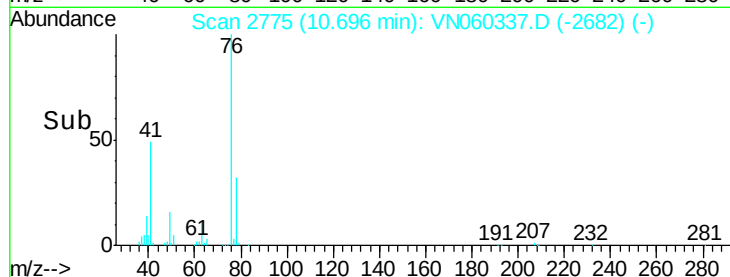
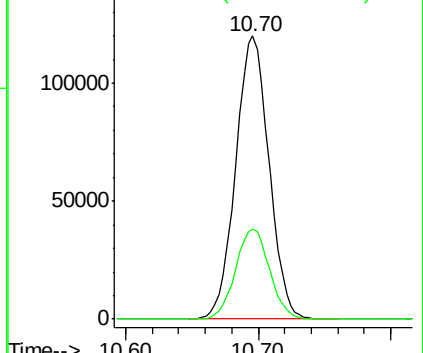
76 100

78 32.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 237.910 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060337.D

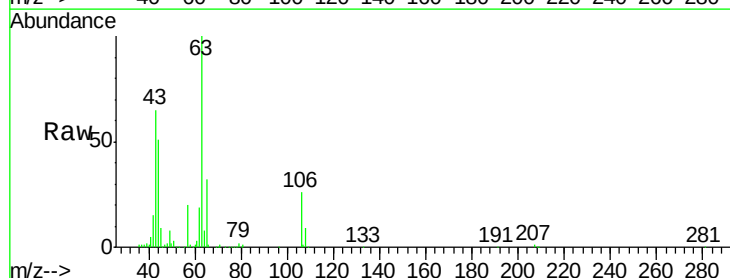
Acq: 4 Mar 2020 8:44

Tgt Ion: 63 Resp: 444988

Ion Ratio Lower Upper

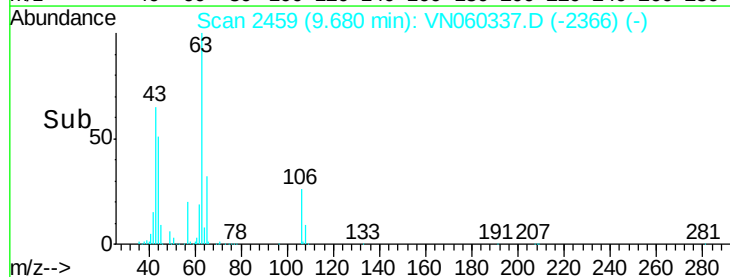
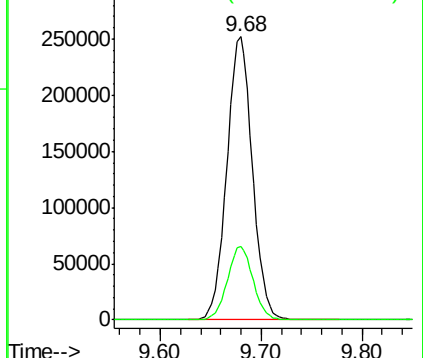
63 100

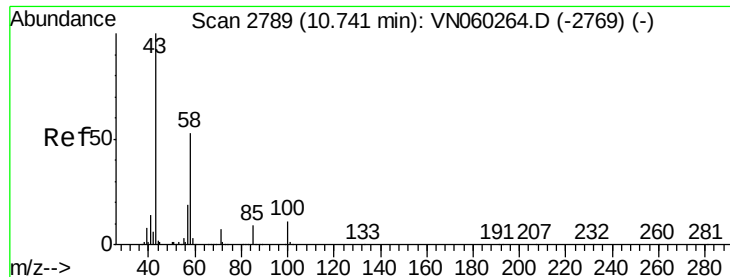
106 26.1 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

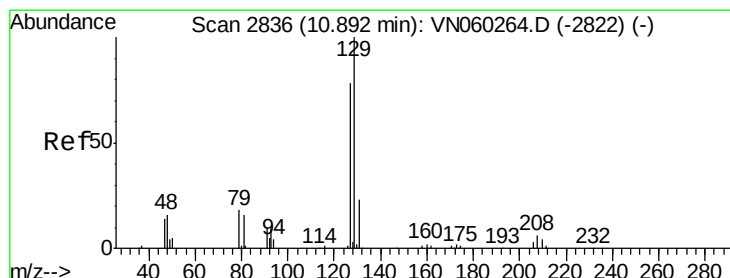
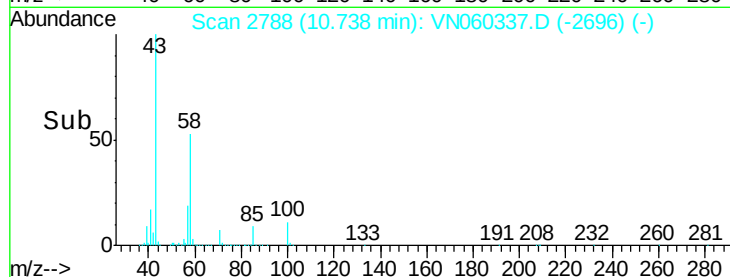
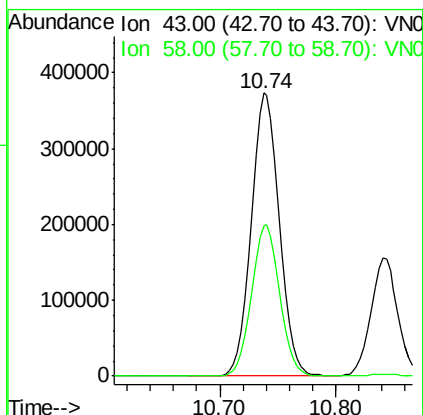
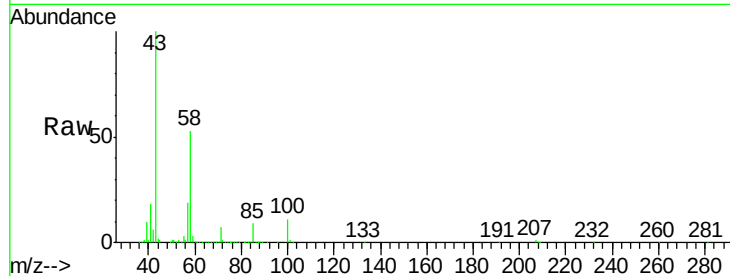




#59
2-Hexanone
Concen: 270.158 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

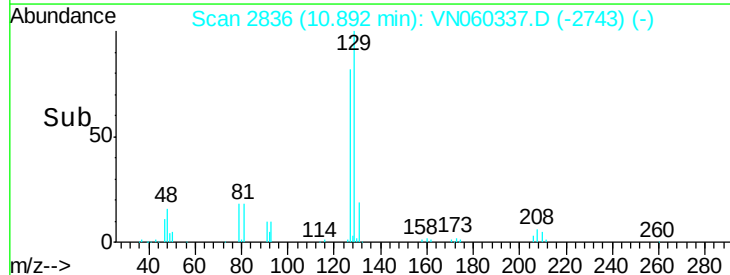
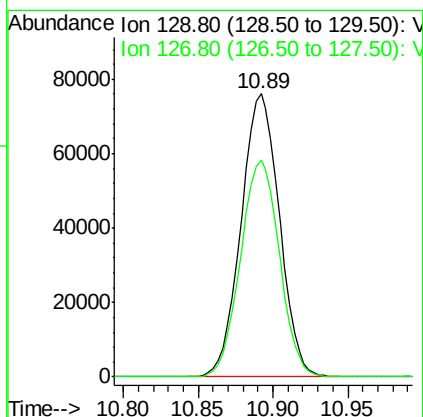
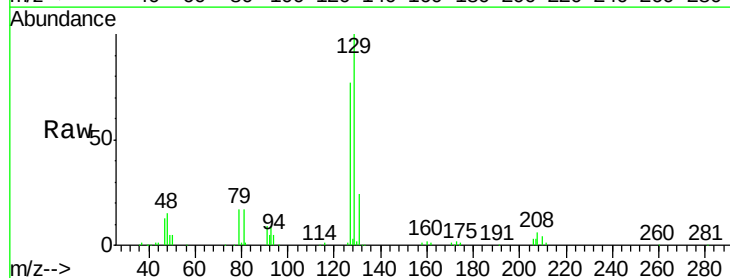
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

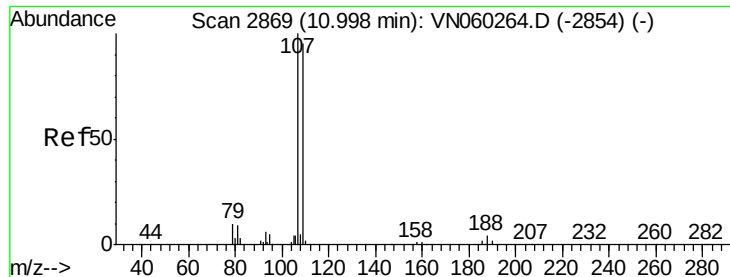
Tgt Ion: 43 Resp: 631191
Ion Ratio Lower Upper
43 100
58 53.5 26.5 79.5



#60
Dibromochloromethane
Concen: 53.650 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion: 129 Resp: 135816
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7

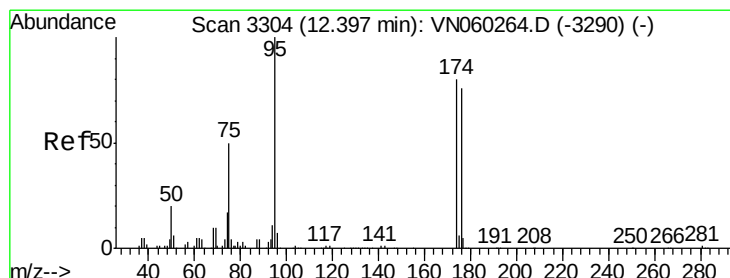
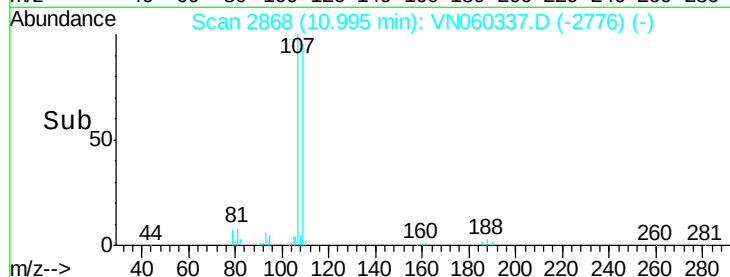
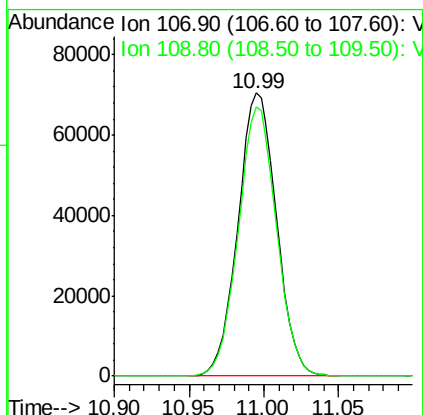
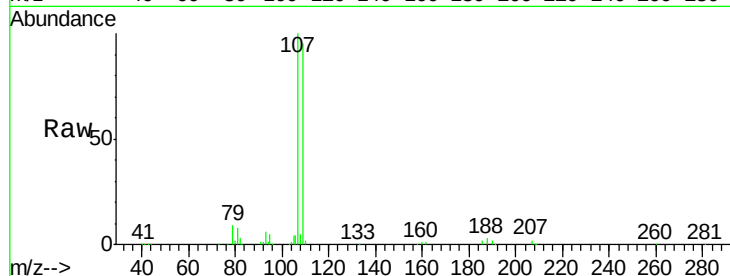




#61
 1,2-Dibromoethane
 Concen: 51.962 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

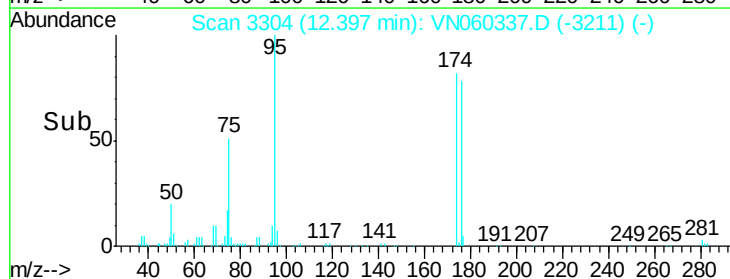
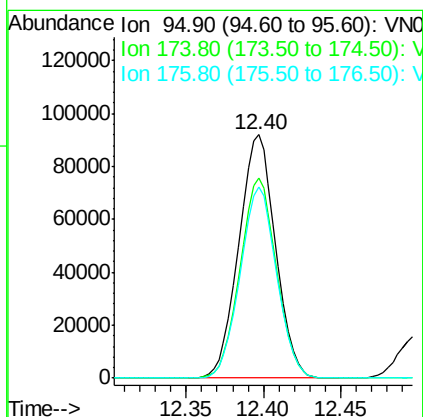
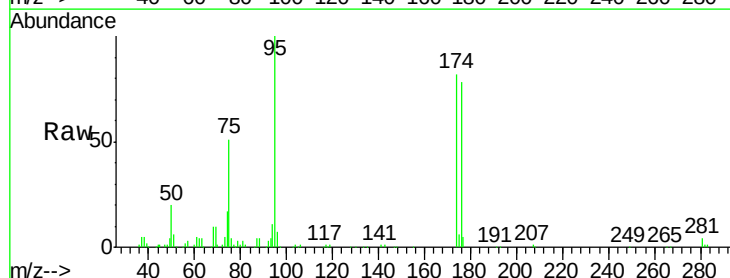
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

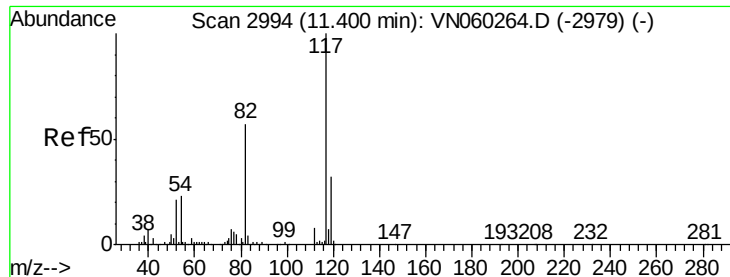
Tgt Ion: 107 Resp: 126093
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 48.042 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion: 95 Resp: 151985
 Ion Ratio Lower Upper
 95 100
 174 81.4 0.0 159.2
 176 77.9 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

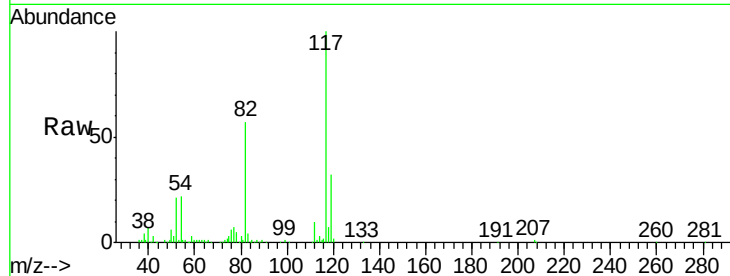
Tgt Ion:117 Resp: 331801

Ion Ratio Lower Upper

117 100

82 57.2 45.8 68.6

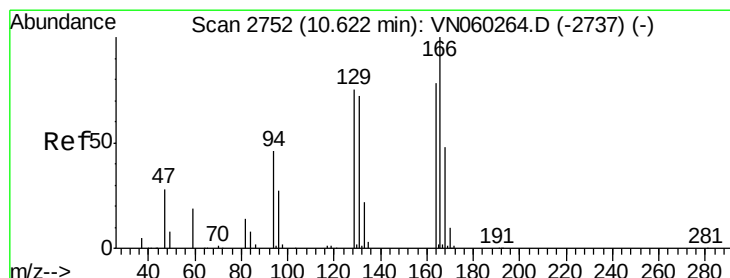
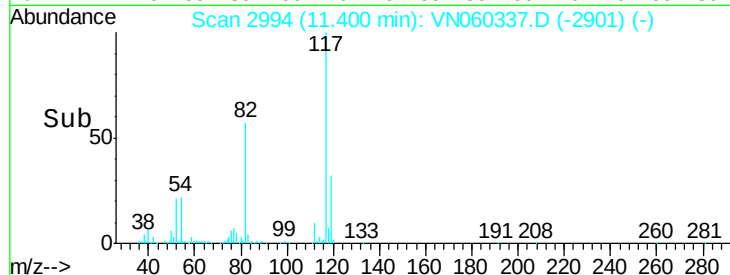
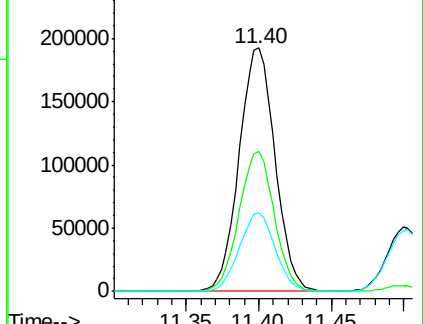
119 32.3 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 55.423 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion:164 Resp: 144389

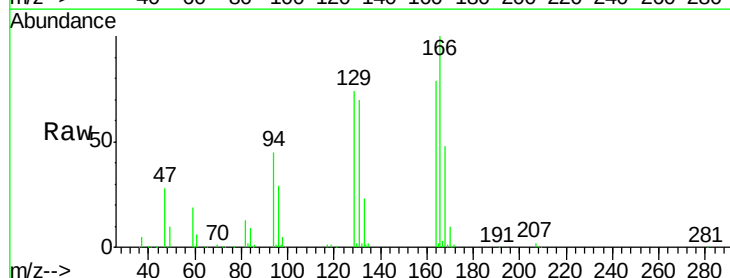
Ion Ratio Lower Upper

164 100

166 127.3 102.0 153.0

129 94.2 76.4 114.6

131 89.6 73.6 110.4

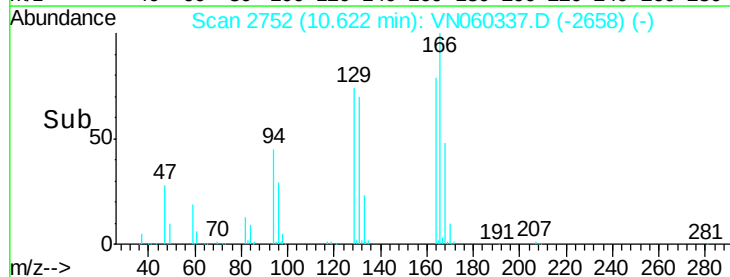
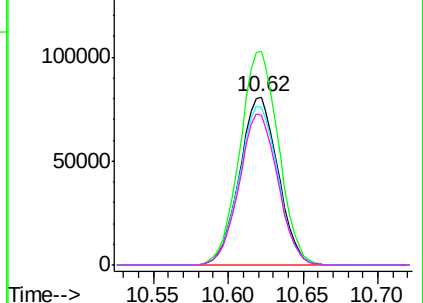


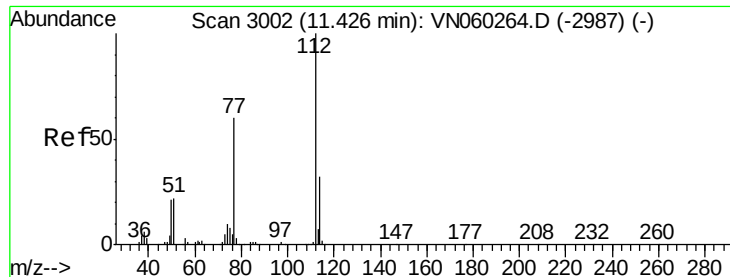
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

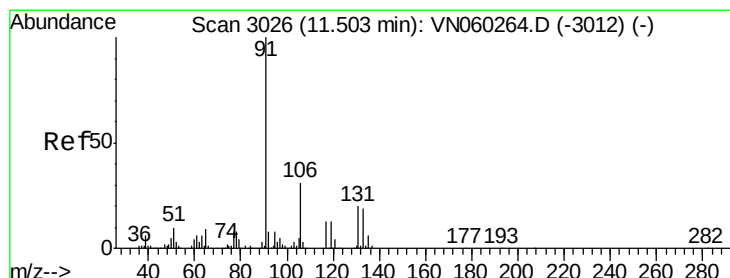
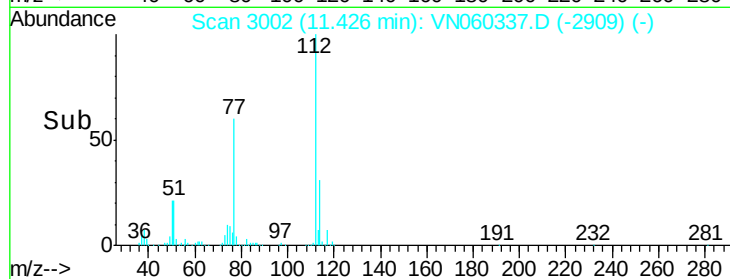
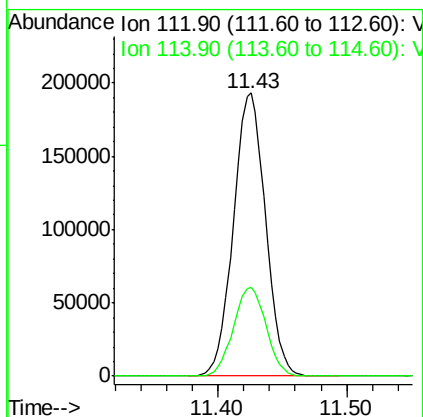
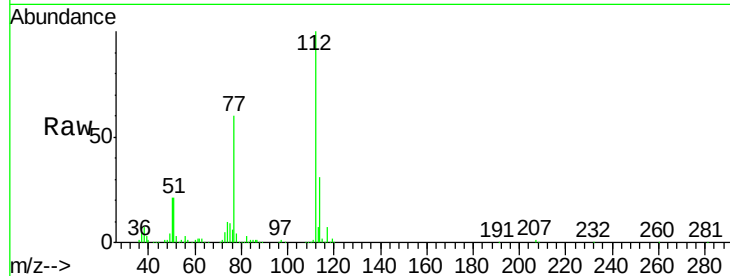




#65
Chlorobenzene
Concen: 49.763 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

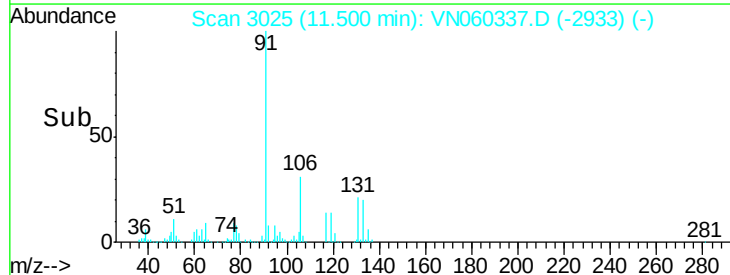
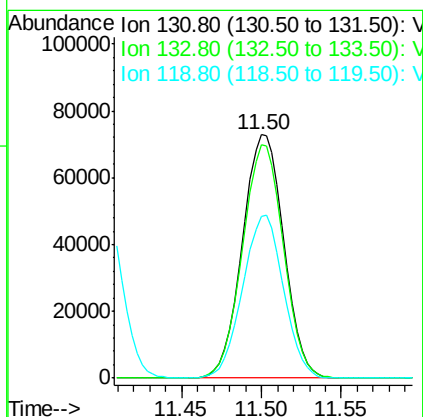
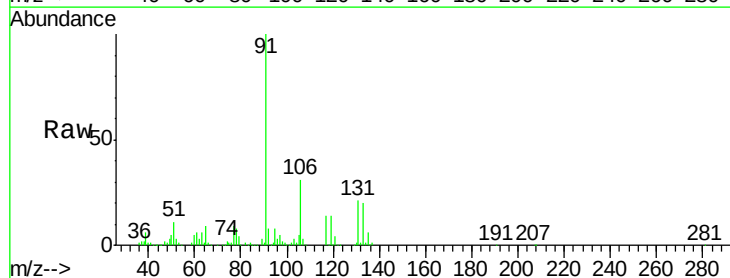
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

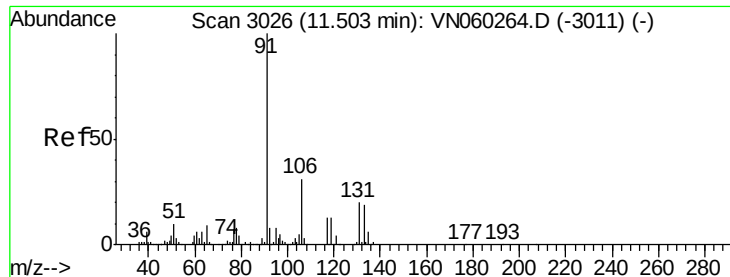
Tgt Ion:112 Resp: 333406
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.894 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion:131 Resp: 128556
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 65.9 33.2 99.6

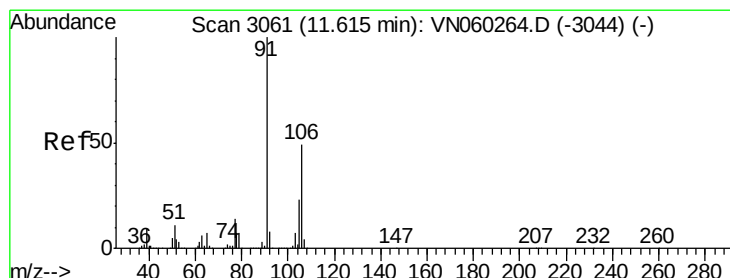
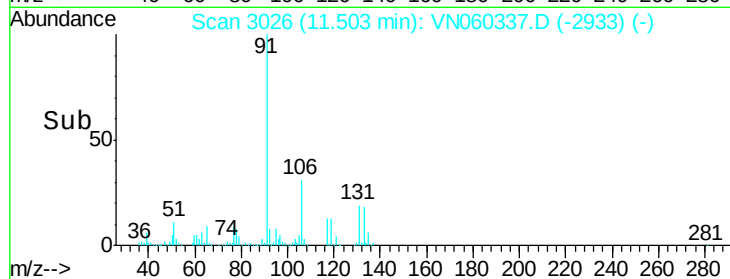
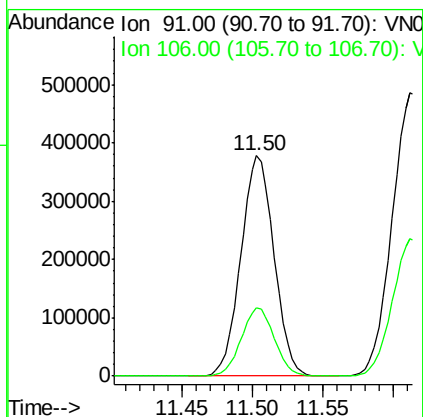
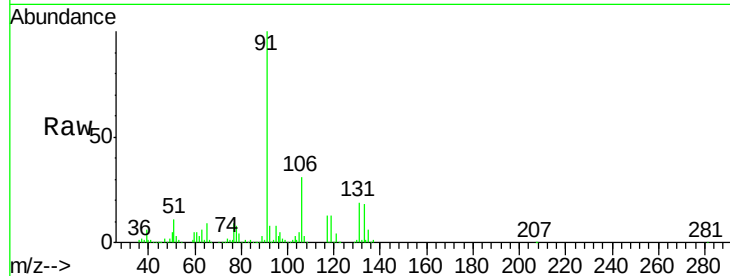




#67
Ethyl Benzene
Concen: 51.073 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

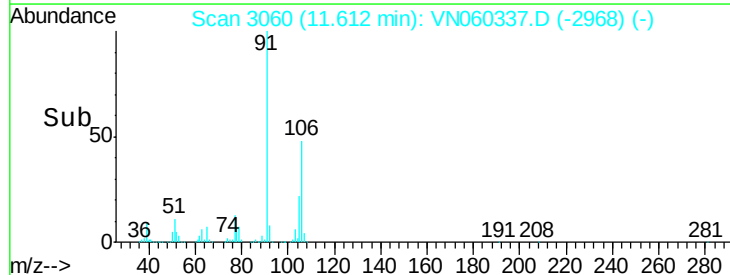
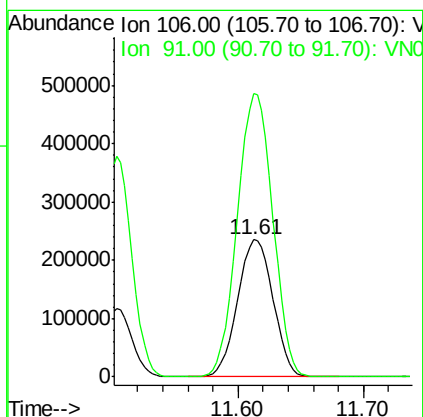
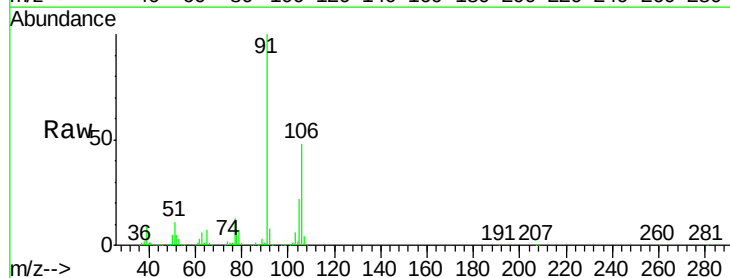
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

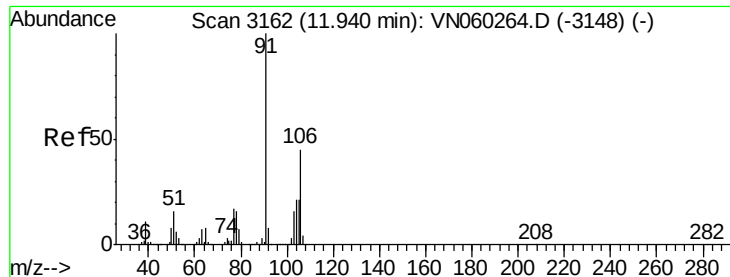
Tgt Ion: 91 Resp: 623149
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1



#68
m/p-Xylenes
Concen: 100.430 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion: 106 Resp: 462316
Ion Ratio Lower Upper
106 100
91 207.2 164.5 246.7

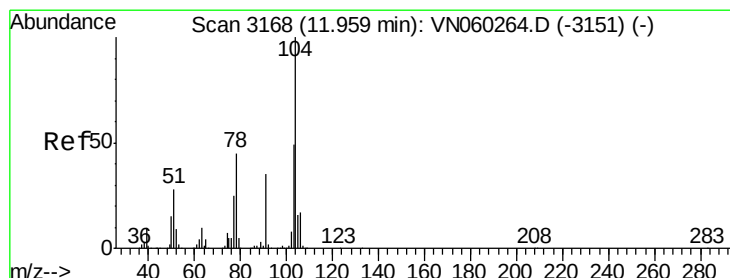
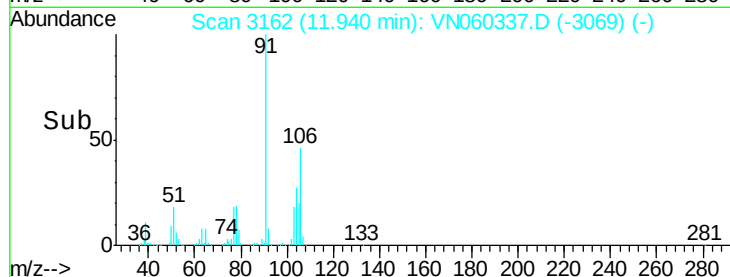
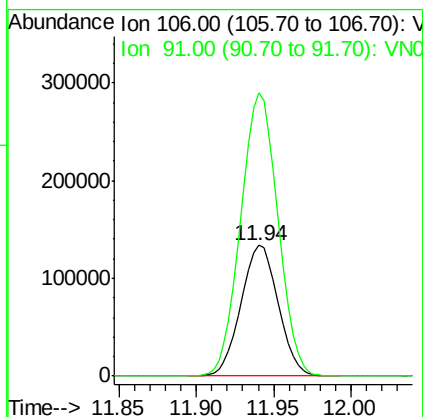
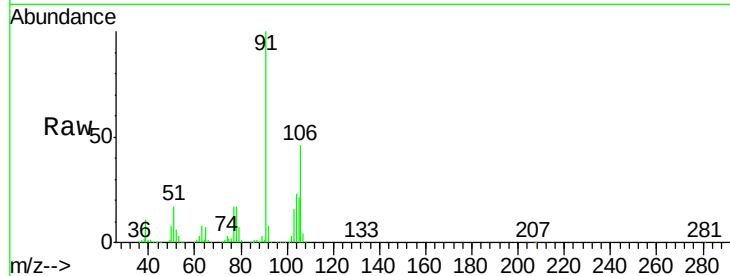




#69
o-Xylene
Concen: 51.042 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

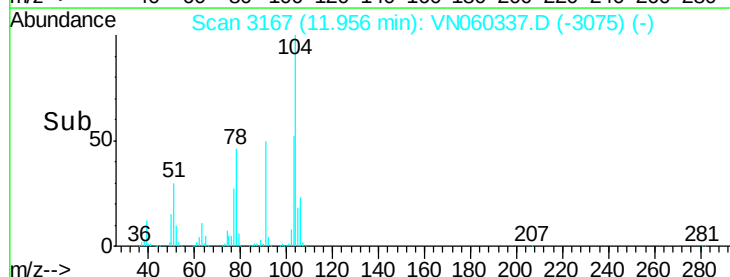
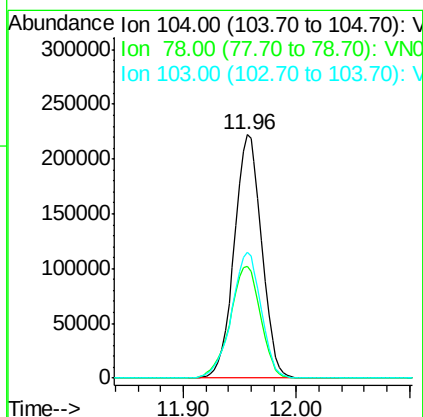
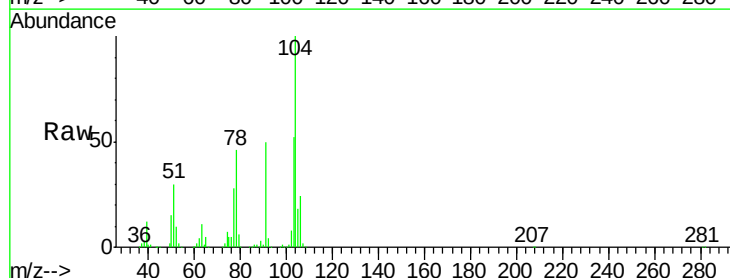
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

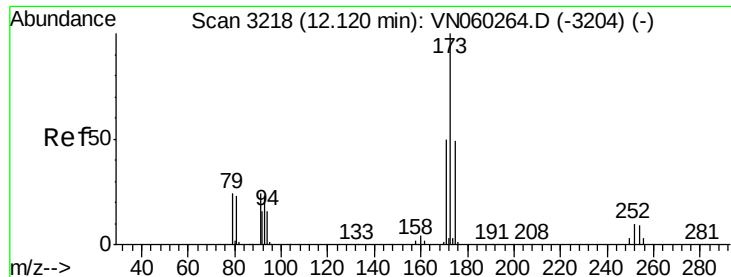
Tgt Ion:106 Resp: 224057
Ion Ratio Lower Upper
106 100
91 217.0 109.5 328.4



#70
Styrene
Concen: 51.962 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion:104 Resp: 375024
Ion Ratio Lower Upper
104 100
78 51.1 41.2 61.8
103 55.4 43.9 65.9





#71

Bromoform

Concen: 54.634 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

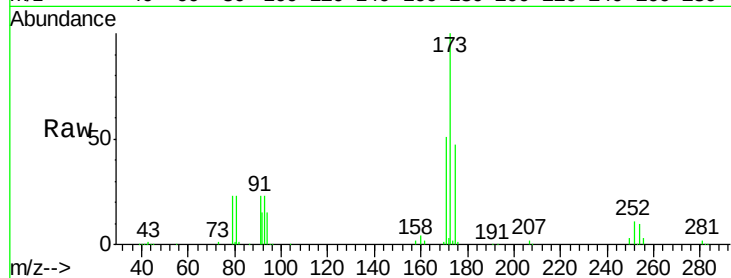
Tgt Ion:173 Resp: 97542

Ion Ratio Lower Upper

173 100

175 47.8 24.1 72.2

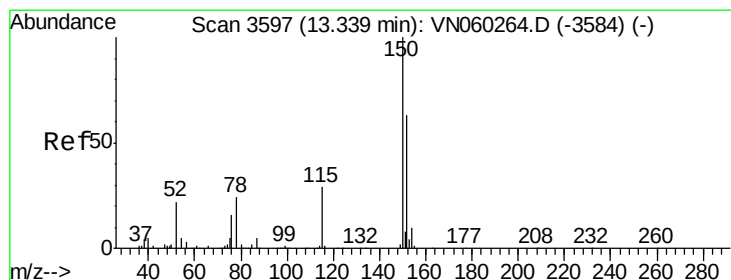
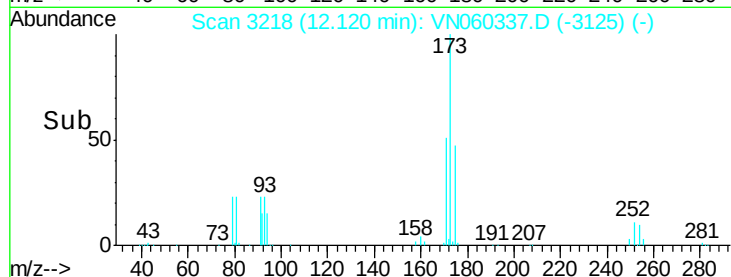
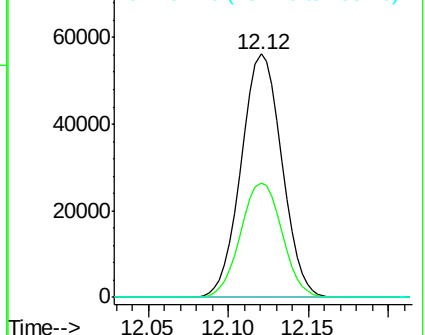
254 0.0 0.0 0.0



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: VN060337.D

Acq: 4 Mar 2020 8:44

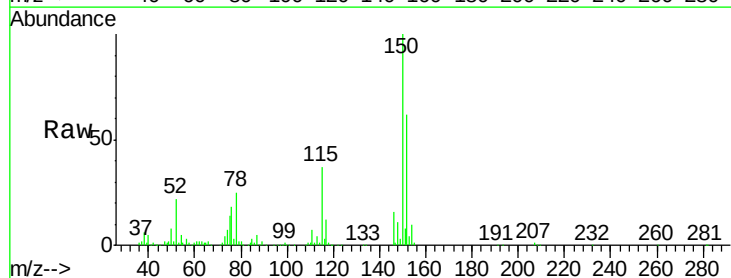
Tgt Ion:152 Resp: 164267

Ion Ratio Lower Upper

152 100

115 58.7 30.0 90.0

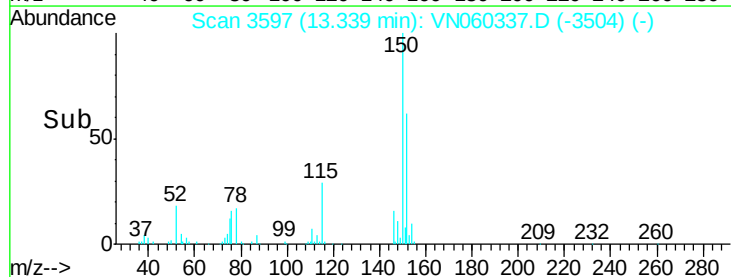
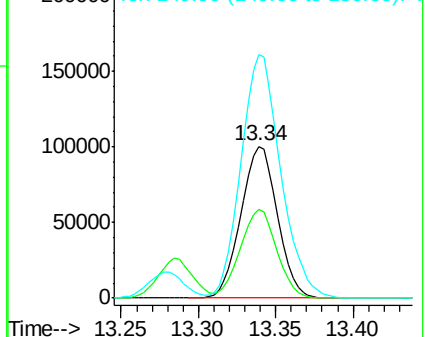
150 175.5 0.0 349.6

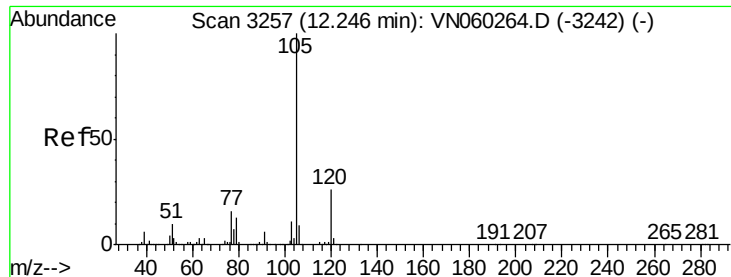


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.226 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

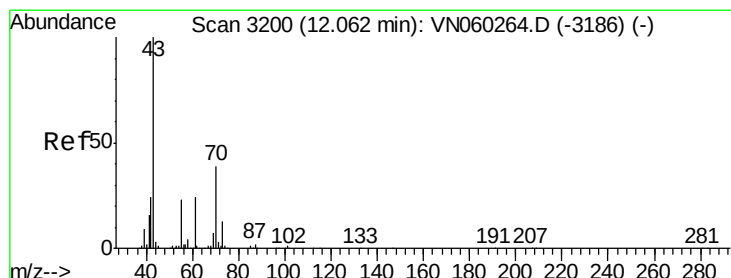
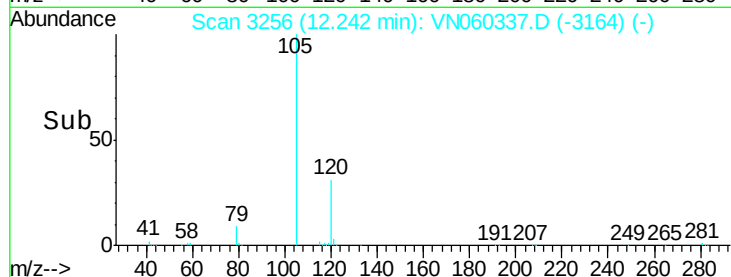
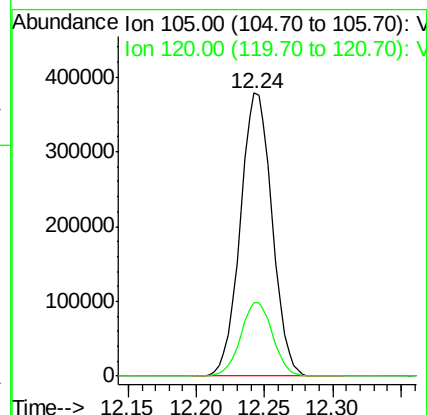
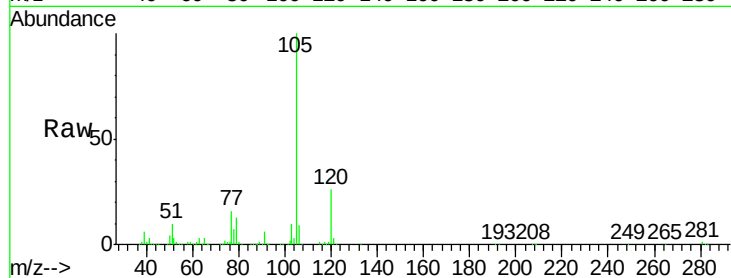
VSTDCCC050

Tgt Ion: 105 Resp: 611521

Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9



#74

N-ethyl acetate

Concen: 49.167 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion: 43 Resp: 261584

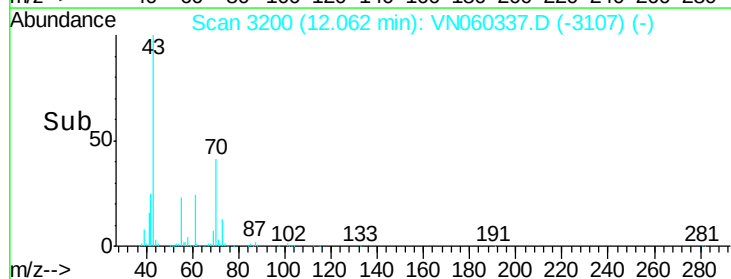
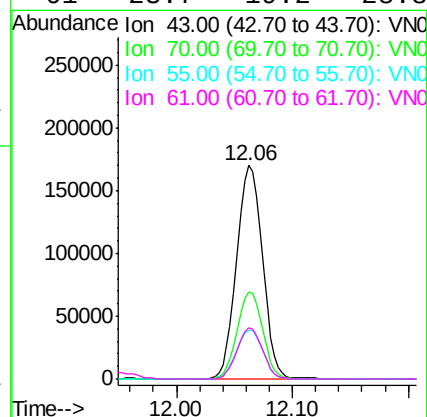
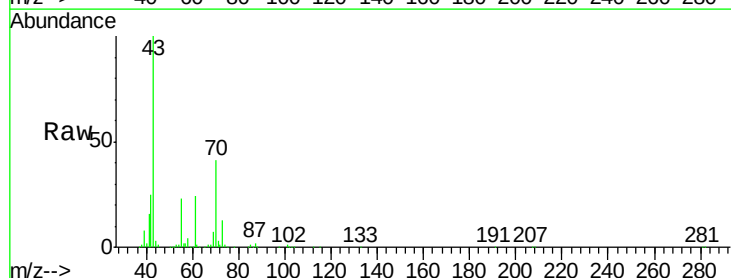
Ion Ratio Lower Upper

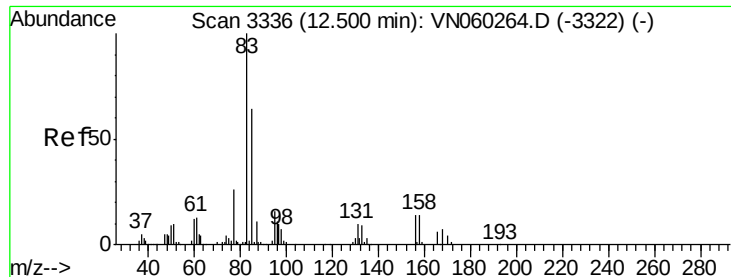
43 100

70 40.2 32.2 48.2

55 23.2 18.2 27.4

61 23.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.046 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

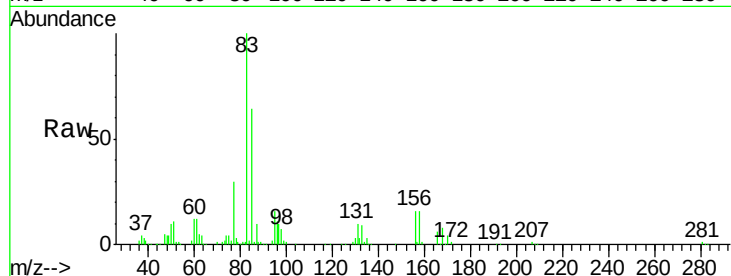
Tgt Ion: 83 Resp: 165628

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

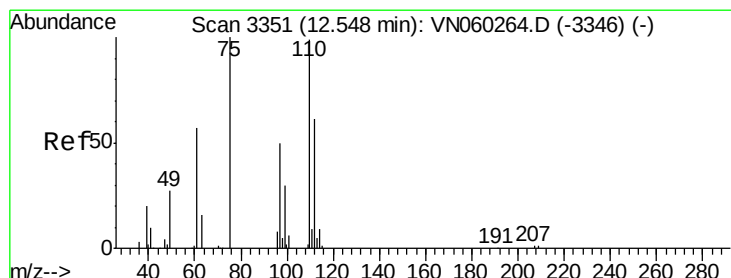
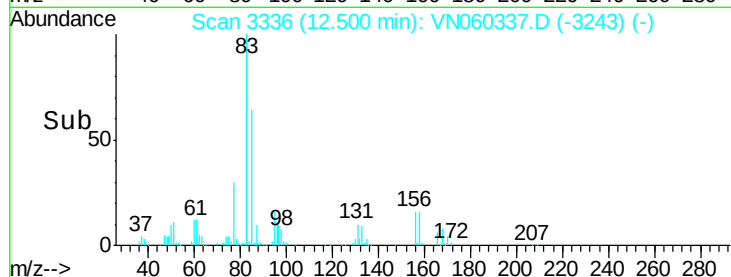
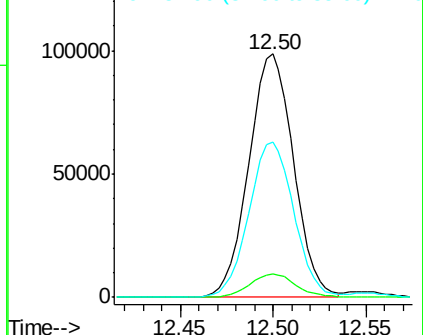
85 64.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060337.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060337.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060337.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 66.866 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060337.D

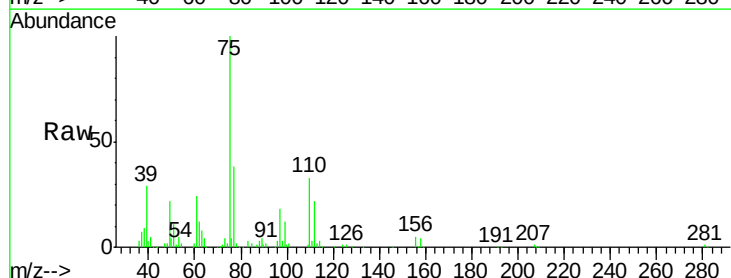
Acq: 4 Mar 2020 8:44

Tgt Ion: 75 Resp: 240988

Ion Ratio Lower Upper

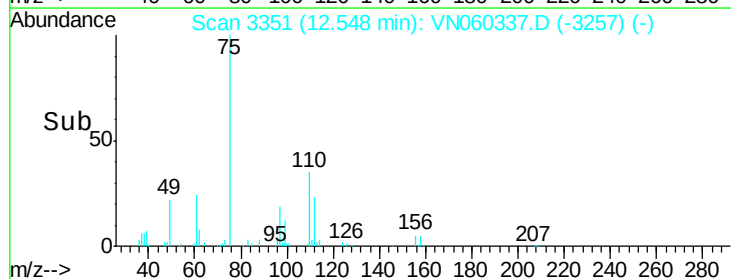
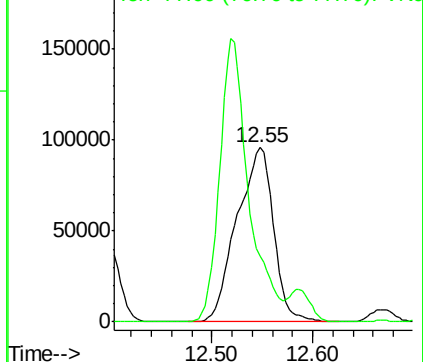
75 100

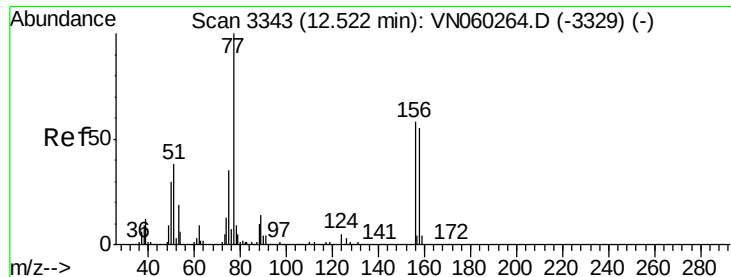
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060337.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060337.D (-3257) (-)





#77

Bromobenzene

Concen: 49.241 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

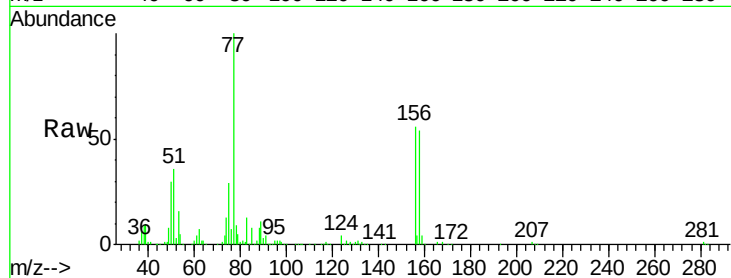
Tgt Ion:156 Resp: 146958

Ion Ratio Lower Upper

156 100

77 212.7 106.1 318.3

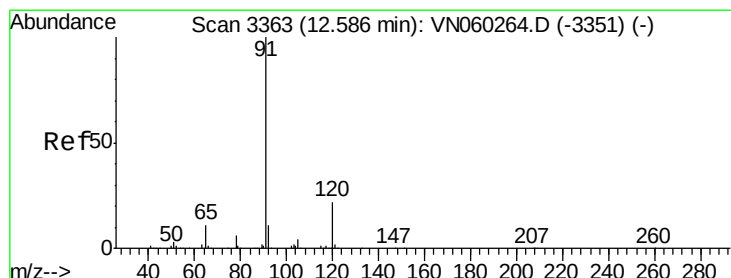
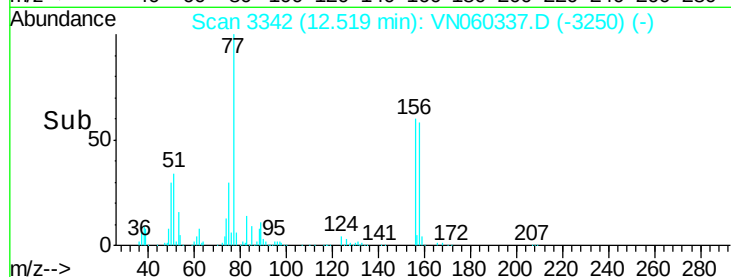
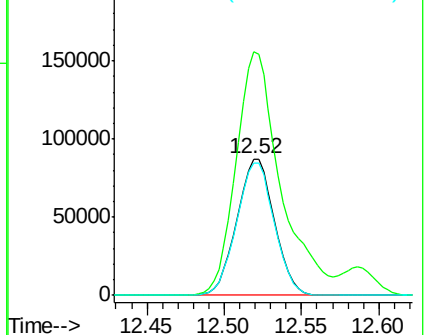
158 97.5 48.3 144.8



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: 50.745 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060337.D

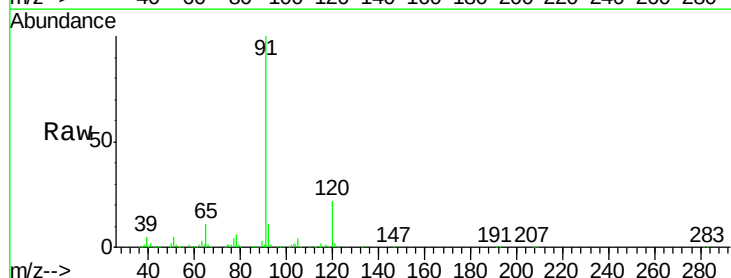
Acq: 4 Mar 2020 8:44

Tgt Ion: 91 Resp: 724213

Ion Ratio Lower Upper

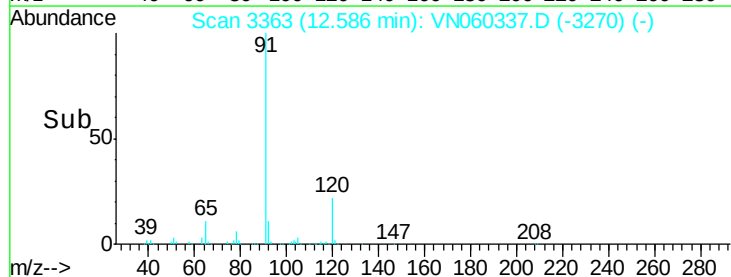
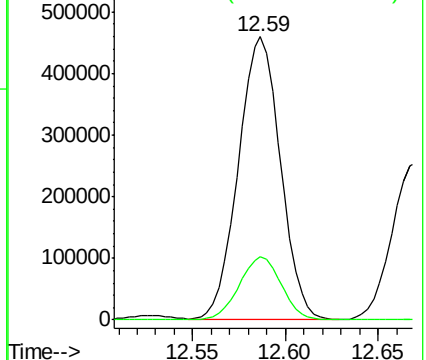
91 100

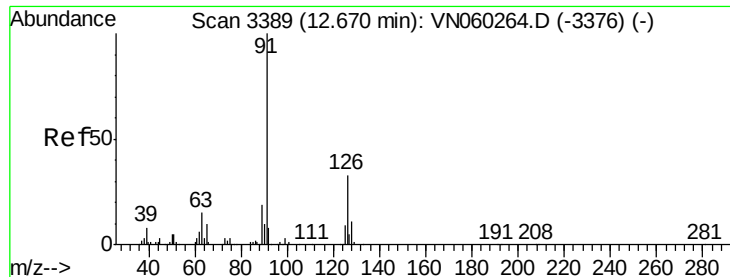
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.605 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

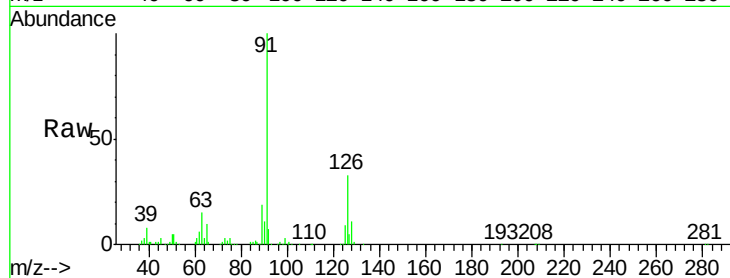
VSTDCCC050

Tgt Ion: 91 Resp: 416142

Ion Ratio Lower Upper

91 100

126 33.4 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060337.D (-3314) (-)

Ion 125.90 (125.60 to 126.60): VN060337.D (-3314) (-)

500000

400000

300000

200000

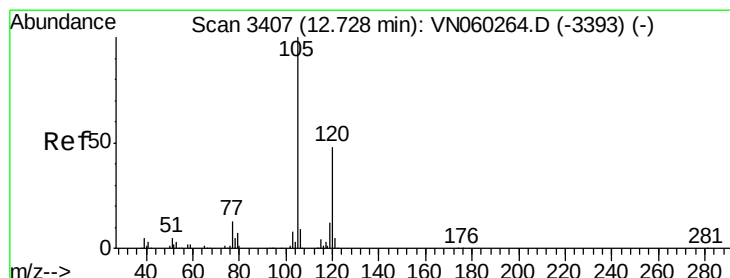
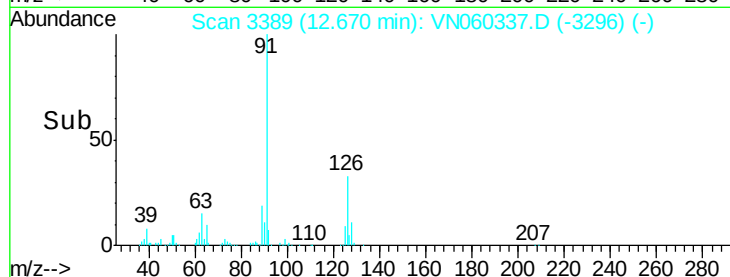
100000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.884 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060337.D

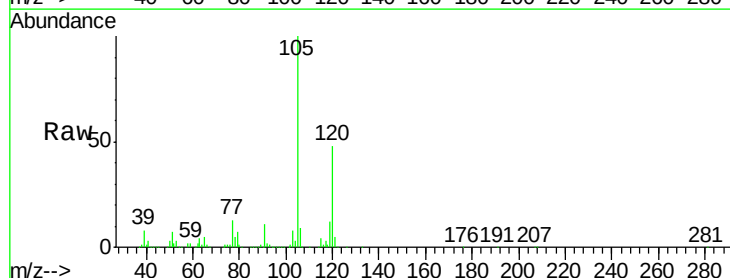
Acq: 4 Mar 2020 8:44

Tgt Ion: 105 Resp: 521612

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060337.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060337.D (-3314) (-)

300000

200000

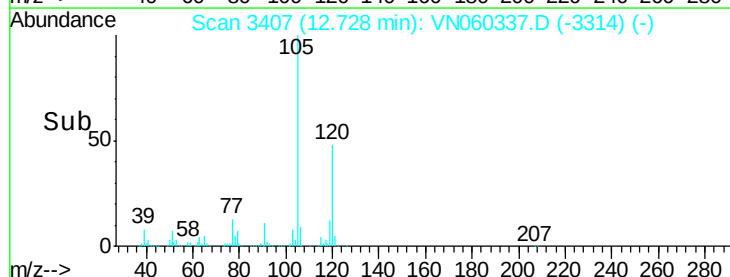
100000

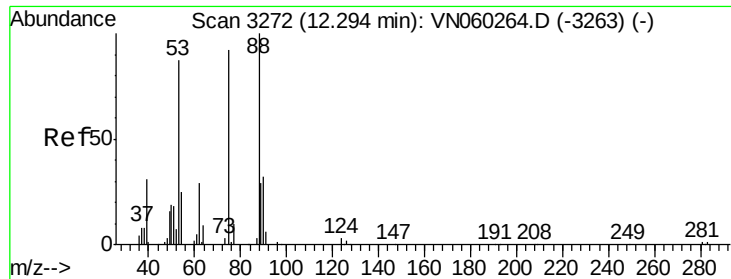
0

12.70 12.80

12.73

Time-->

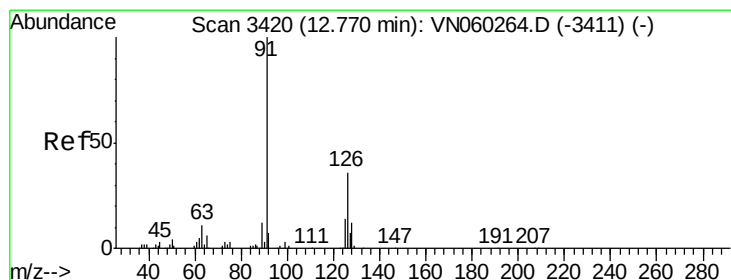
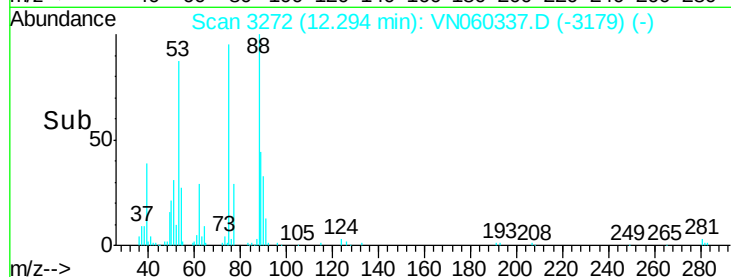
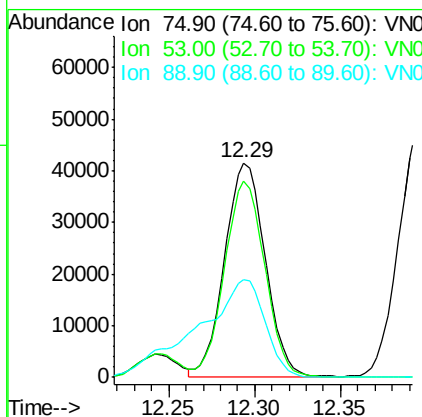
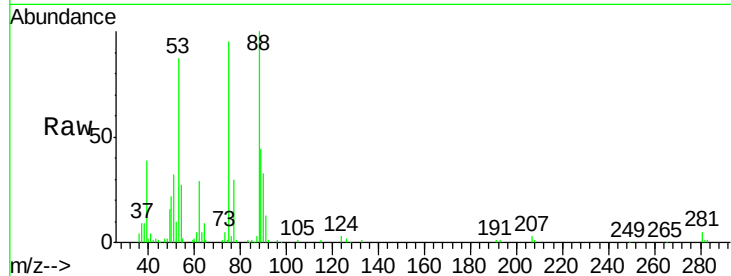




#81
trans-1,4-Dichloro-2-butene
Concen: 52.475 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

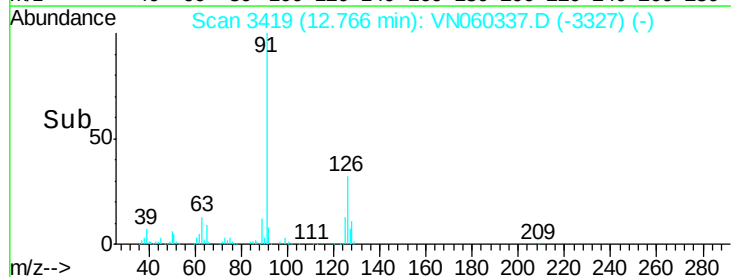
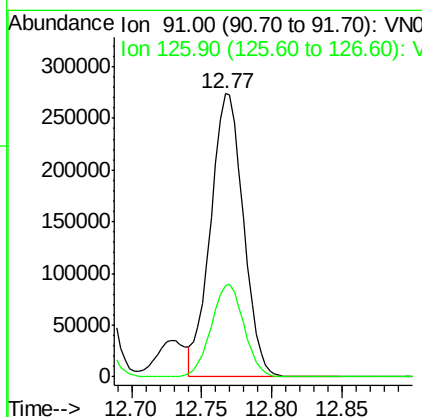
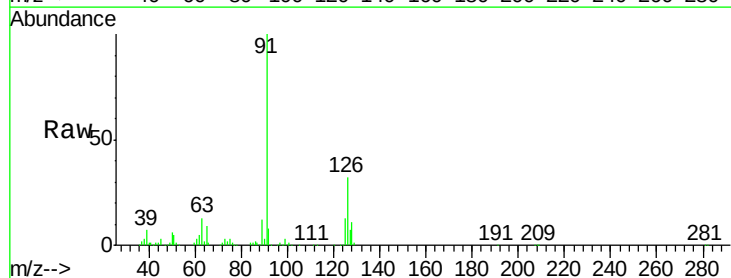
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

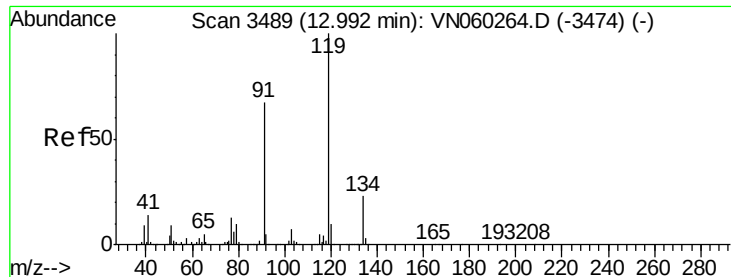
Tgt Ion: 75 Resp: 68511
Ion Ratio Lower Upper
75 100
53 90.8 73.8 110.6
89 75.7 57.1 85.7



#82
4-Chlorotoluene
Concen: 49.835 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion: 91 Resp: 440472
Ion Ratio Lower Upper
91 100
126 32.8 16.7 50.1

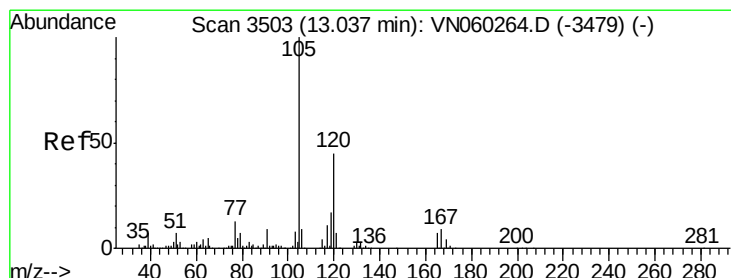
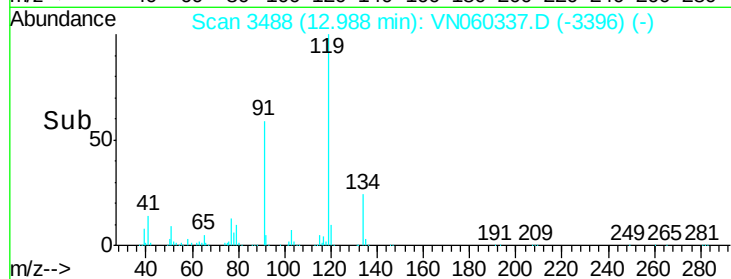
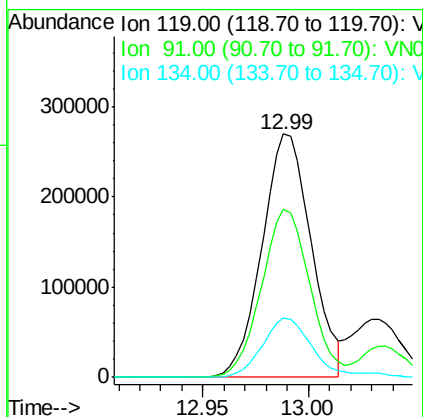
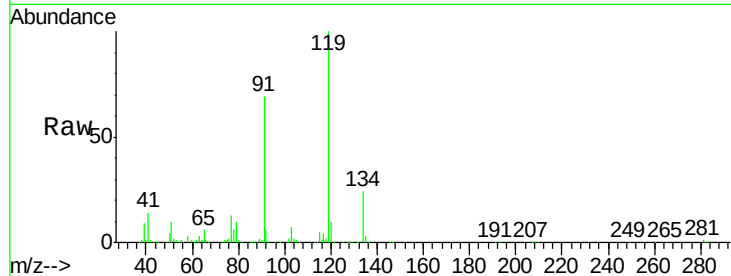




#83
 tert-Butylbenzene
 Concen: 49.360 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

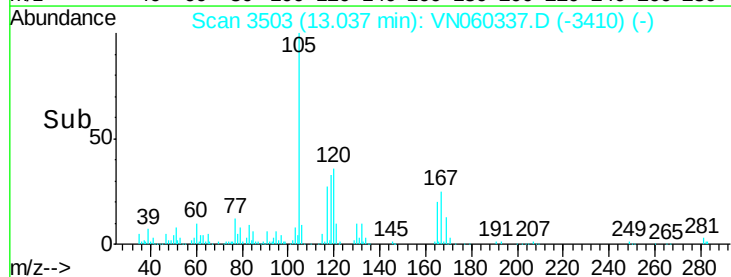
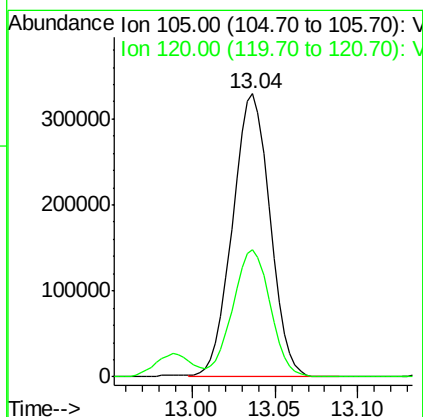
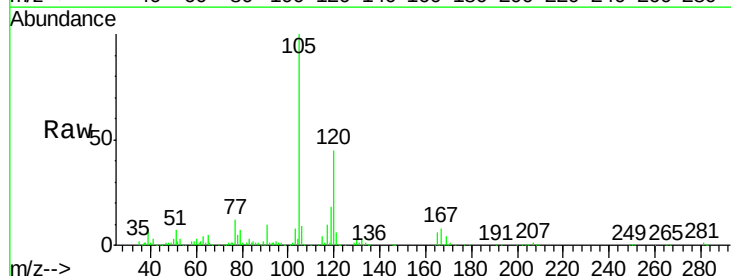
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

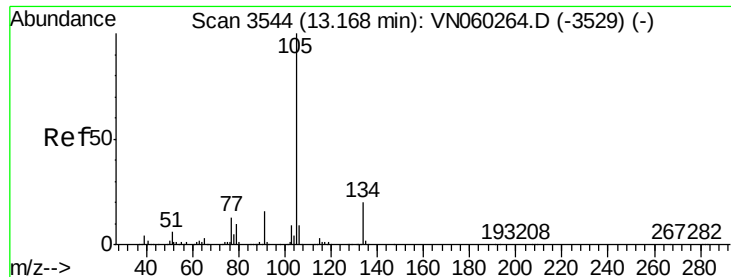
Tgt Ion:119 Resp: 438086
 Ion Ratio Lower Upper
 119 100
 91 67.9 33.1 99.2
 134 25.4 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.046 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion:105 Resp: 517820
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.9





#85

sec-Butylbenzene

Concen: 51.237 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

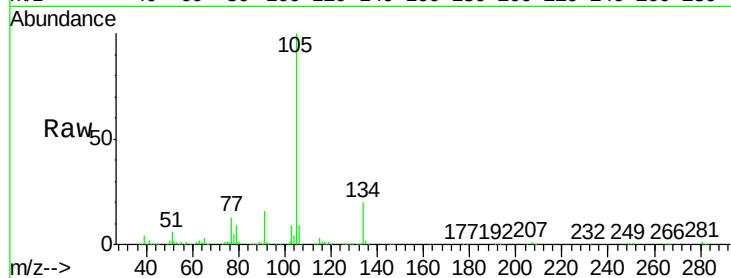
VSTDCCC050

Tgt Ion:105 Resp: 608957

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

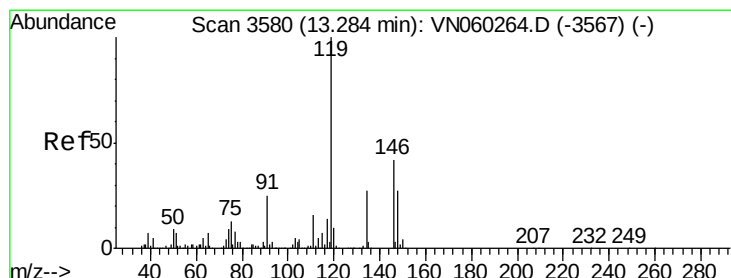
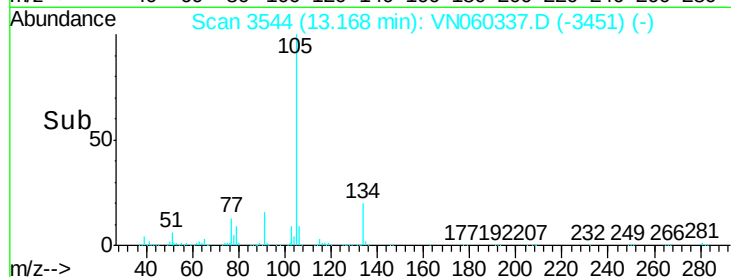
200000

100000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 50.612 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

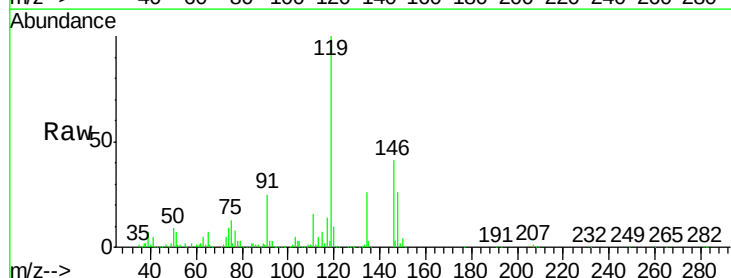
Tgt Ion:119 Resp: 556747

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.6

91 24.3 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

300000

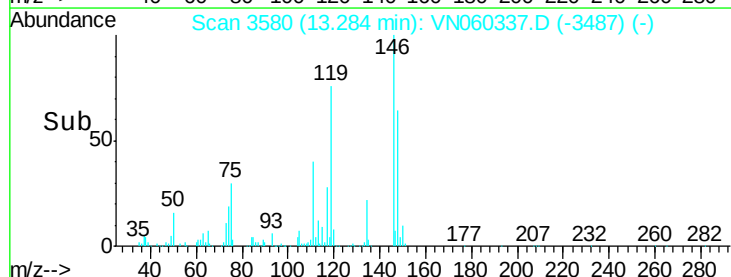
200000

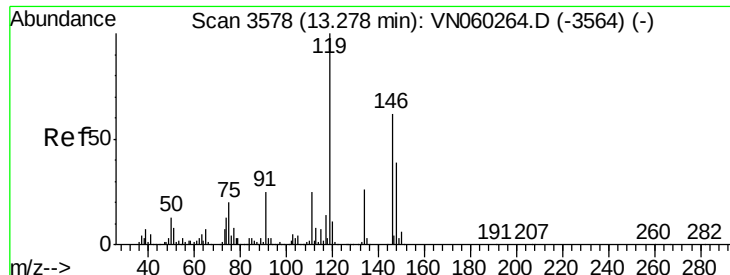
100000

0

13.20 13.25 13.30 13.35

Time-->

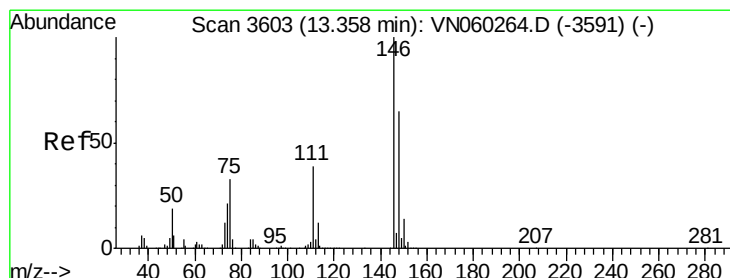
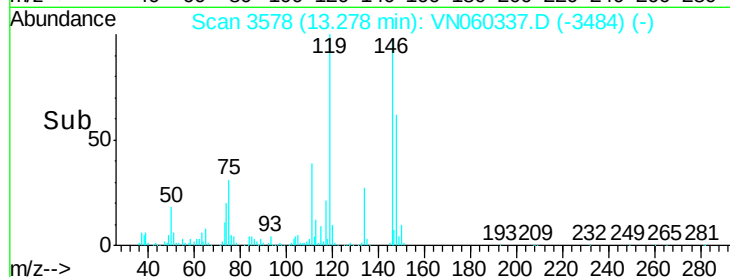
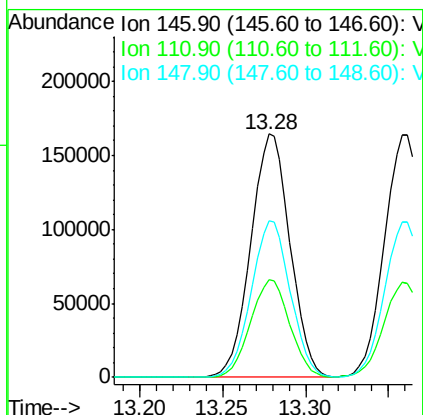
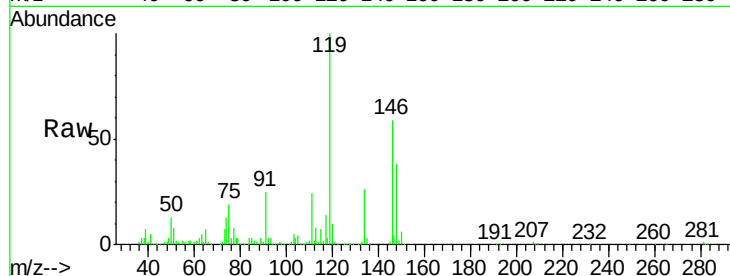




#87
 1,3-Dichlorobenzene
 Concen: 52.865 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

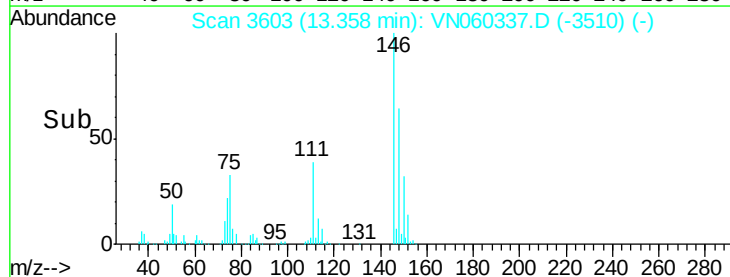
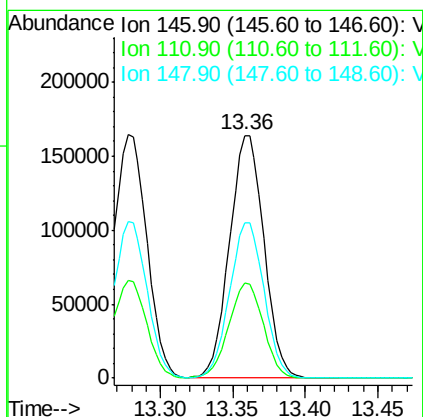
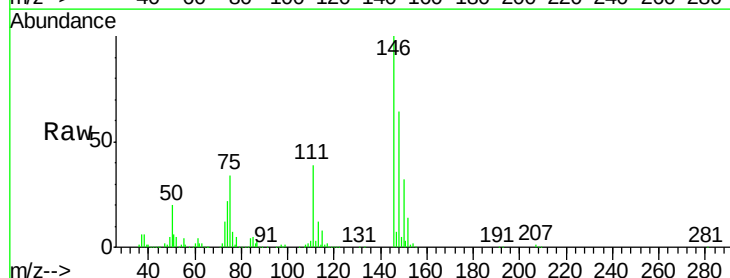
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

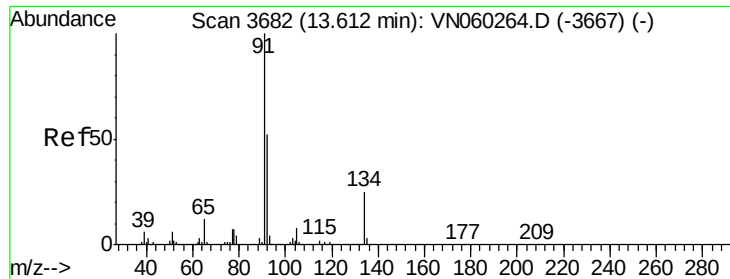
Tgt Ion:146 Resp: 271051
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 63.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 53.125 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion:146 Resp: 270785
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.8 59.4
 148 64.2 32.3 96.9





#89

n-Butylbenzene

Concen: 51.670 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

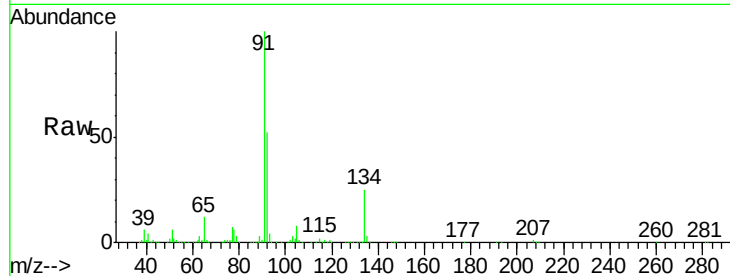
Tgt Ion: 91 Resp: 521769

Ion Ratio Lower Upper

91 100

92 51.9 26.0 78.0

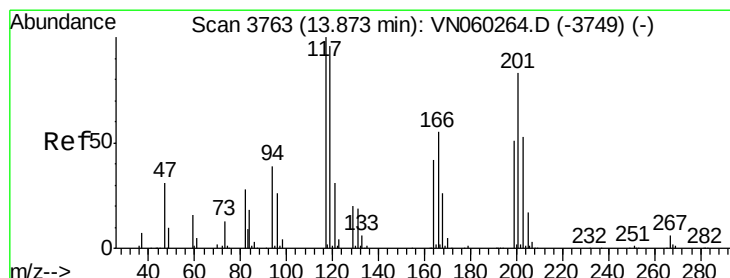
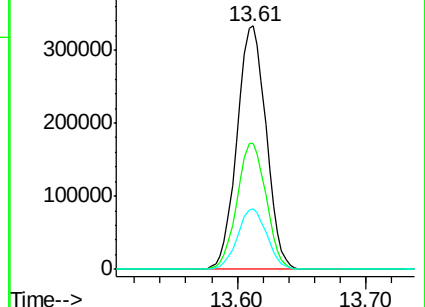
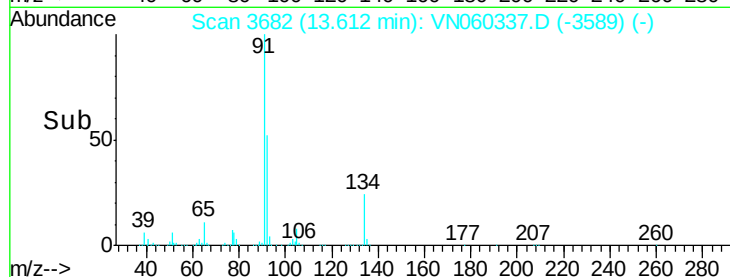
134 24.9 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN060337.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060337.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060337.D (-3667) (-)



#90

Hexachloroethane

Concen: 50.349 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060337.D

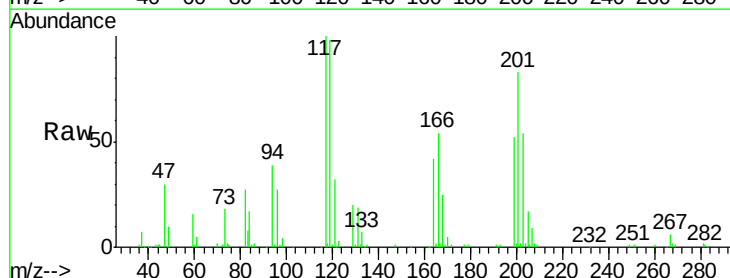
Acq: 4 Mar 2020 8:44

Tgt Ion: 117 Resp: 80169

Ion Ratio Lower Upper

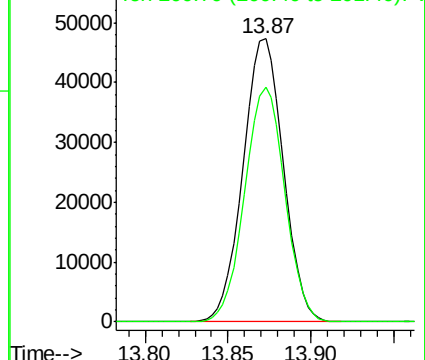
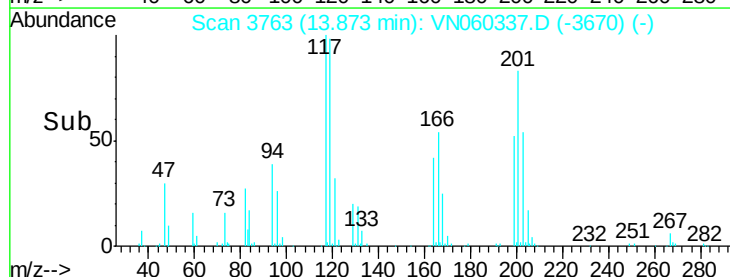
117 100

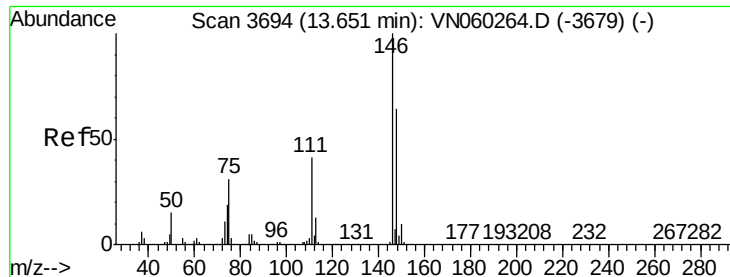
201 82.4 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060337.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN060337.D (-3670) (-)

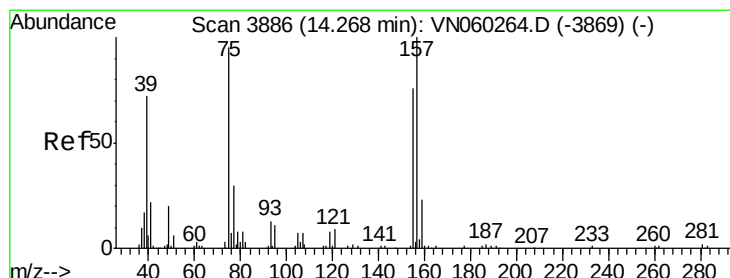
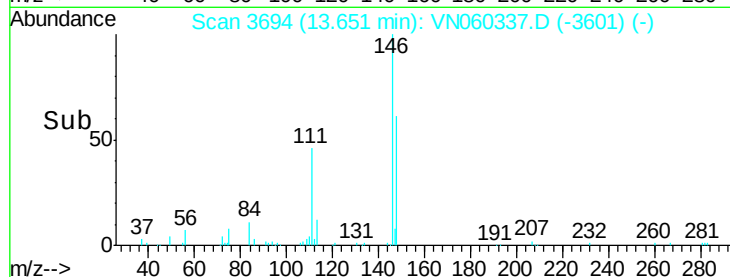
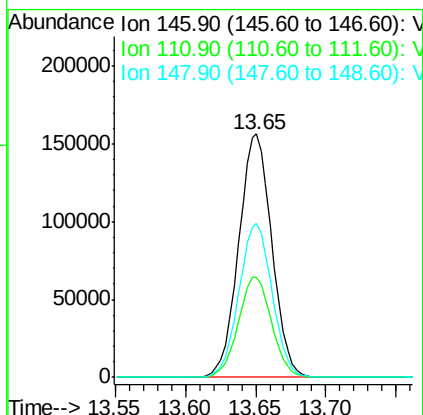
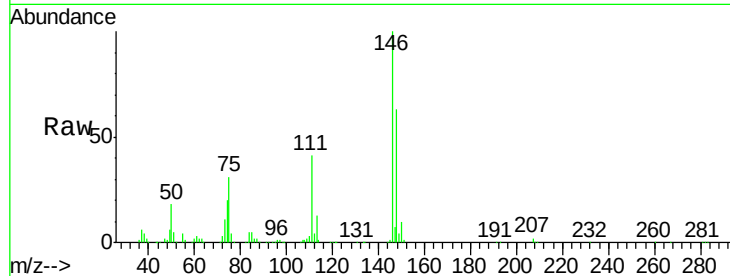




#91
 1,2-Dichlorobenzene
 Concen: 49.118 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

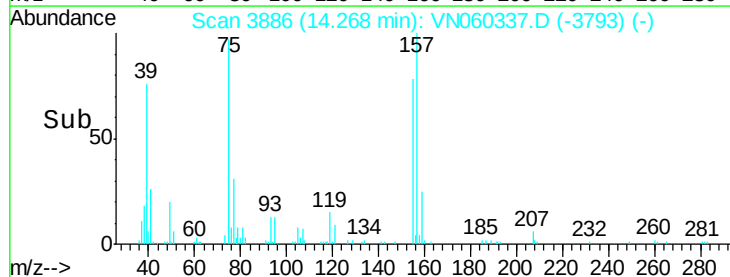
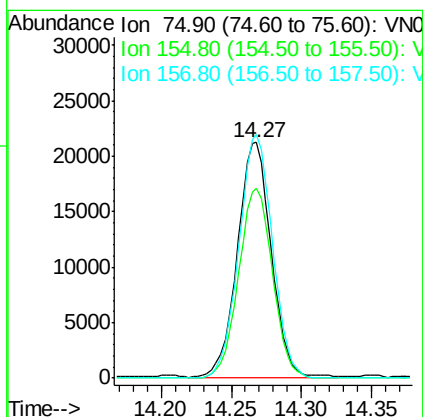
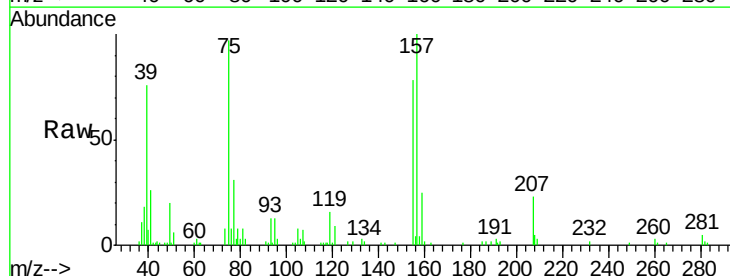
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

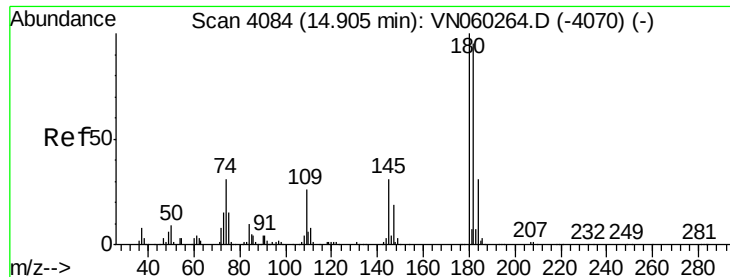
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	61.0
148	63.6	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.028 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	40.4	121.2
157	101.8	52.5	157.5

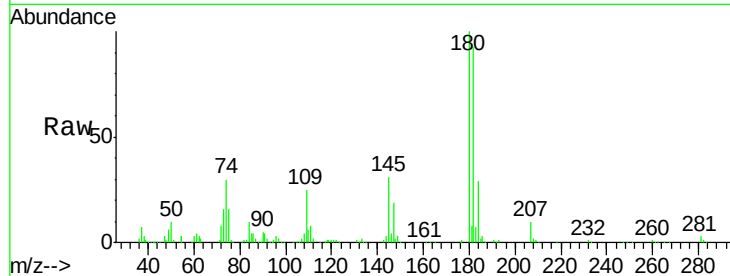




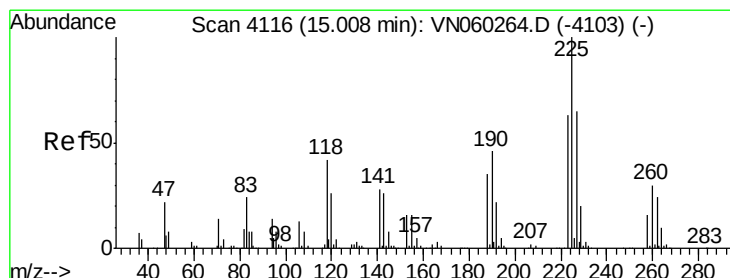
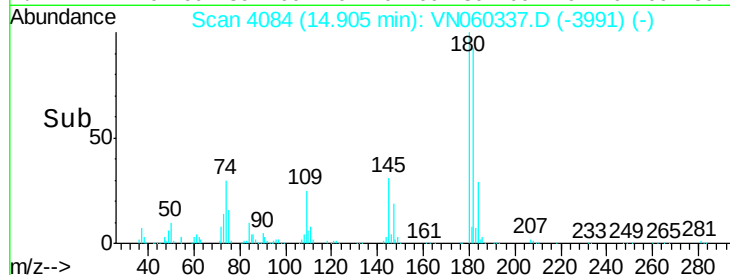
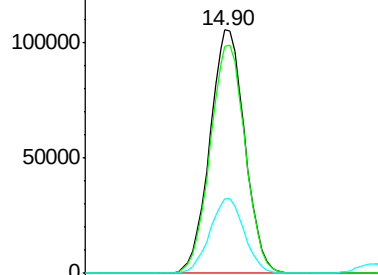
#93
 1,2,4-Trichlorobenzene
 Concen: 53.096 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 176453
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.8 143.3
 145 30.4 15.4 46.1

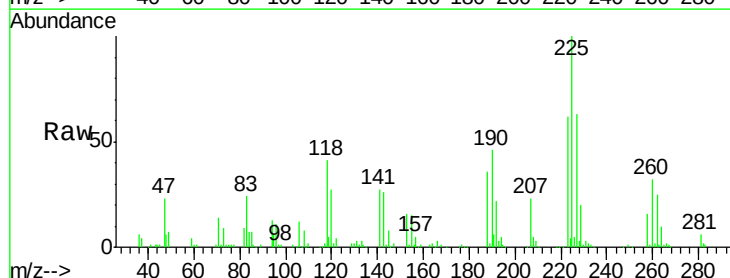


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

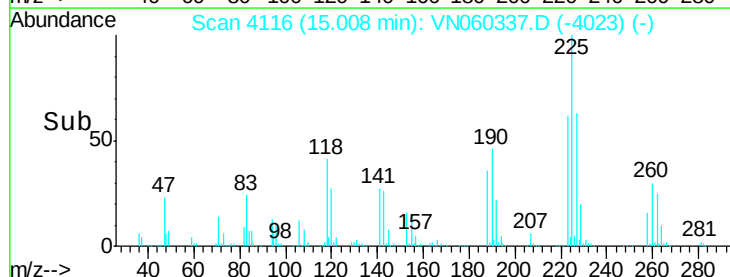
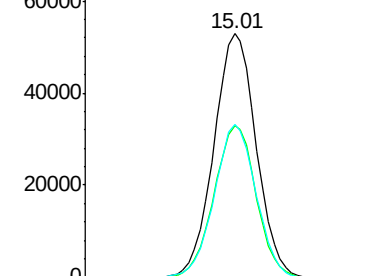


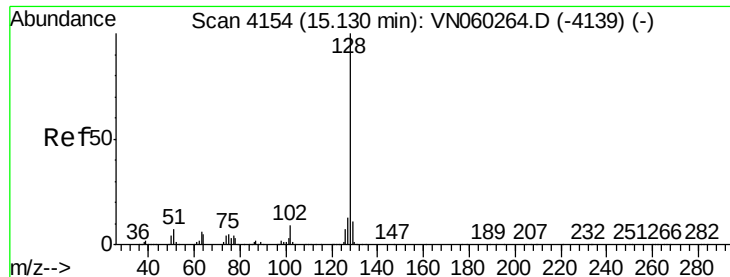
#94
 Hexachlorobutadiene
 Concen: 56.959 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion:225 Resp: 86883
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.3 93.9
 227 61.9 32.3 96.9



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

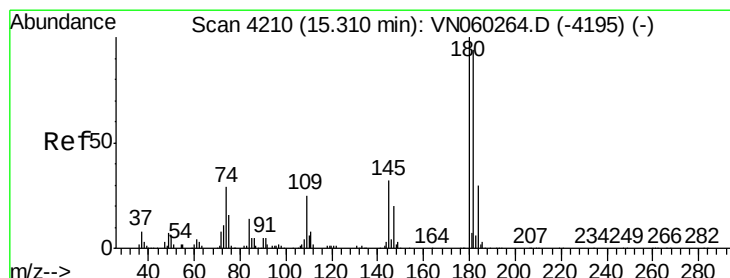
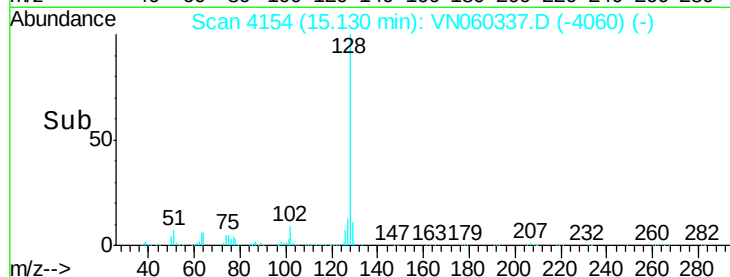
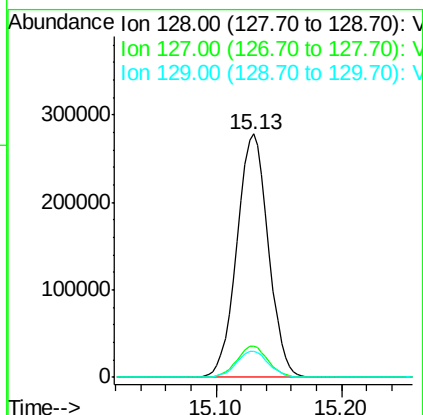
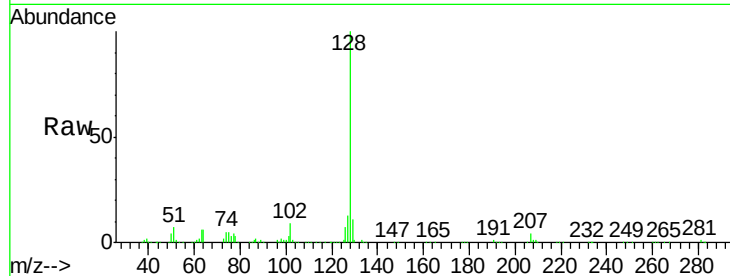




#95
Naphthalene
Concen: 49.362 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 483166
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.337 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion:180 Resp: 160641
Ion Ratio Lower Upper
180 100
182 95.0 47.3 142.0
145 32.5 16.2 48.5

