

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055537.D
 Acq On : 10 May 2019 8:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 11 00:53:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	762821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1263874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1098912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	465785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	529649	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	7.59	113	407416	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.09	98	1627948	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.40	95	552582	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	345692	44.511	ug/l	100
3) Chloromethane	2.06	50	531453	42.121	ug/l	99
4) Vinyl Chloride	2.19	62	530349	44.528	ug/l	100
5) Bromomethane	2.54	94	301951	46.271	ug/l	99
6) Chloroethane	2.69	64	325797	46.962	ug/l	98
7) Trichlorofluoromethane	3.01	101	615318	47.093	ug/l	100
8) Diethyl Ether	3.41	74	268236	45.711	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	400725	48.204	ug/l	99
10) Methyl Iodide	3.95	142	515074	45.842	ug/l	100
11) Tert butyl alcohol	4.81	59	327306	193.004	ug/l	100
12) 1,1-Dichloroethene	3.73	96	385163	46.198	ug/l	96
13) Acrolein	3.61	56	242332	214.410	ug/l	98
14) Allyl chloride	4.32	41	776410	45.462	ug/l	99
15) Acrylonitrile	4.99	53	1111697	211.705	ug/l	100
16) Acetone	3.82	43	1352479	254.314	ug/l	98
17) Carbon Disulfide	4.05	76	1061589	46.654	ug/l	99
18) Methyl Acetate	4.33	43	455829	40.637	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1268031	45.772	ug/l	97
20) Methylene Chloride	4.54	84	474720	43.654	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	426879	47.225	ug/l	95
22) Diisopropyl ether	5.96	45	1615432	46.547	ug/l	99
23) Vinyl Acetate	5.90	43	6280852	234.014	ug/l	100
24) 1,1-Dichloroethane	5.85	63	865103	46.177	ug/l	99
25) 2-Butanone	6.84	43	1677371	228.326	ug/l	97
26) 2,2-Dichloropropane	6.82	77	586638	50.231	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	491560	47.054	ug/l	100
28) Bromochloromethane	7.19	49	448267	46.074	ug/l	98
29) Tetrahydrofuran	7.22	42	995883	205.059	ug/l	100
30) Chloroform	7.37	83	801797	46.295	ug/l	98
31) Cyclohexane	7.65	56	822357	44.365	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	631222	47.860	ug/l	100
36) 1,1-Dichloropropene	7.79	75	624774	50.177	ug/l	99
37) Ethyl Acetate	6.93	43	602972	44.394	ug/l	99
38) Carbon Tetrachloride	7.77	117	515457	49.163	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	761146	50.137	ug/l	98
40) Benzene	8.04	78	1900552	49.181	ug/l	99
41) Methacrylonitrile	7.17	41	300616	47.686	ug/l	97
42) 1,2-Dichloroethane	8.12	62	637868	46.983	ug/l	100
43) Isopropyl Acetate	8.17	43	958442	46.448	ug/l	98
44) Trichloroethene	8.83	130	461175	50.155	ug/l	98
45) 1,2-Dichloropropane	9.12	63	537730	48.633	ug/l	98
46) Dibromomethane	9.21	93	308869	48.193	ug/l	99
47) Bromodichloromethane	9.40	83	613574	50.043	ug/l	100
48) Methyl methacrylate	9.20	41	457911	46.058	ug/l	98
49) 1,4-Dioxane	9.20	88	167574	864.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2967204	218.639	ug/l	99
52) Toluene	10.15	92	1111927	50.331	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	623150	52.918	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	750276	53.320	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	435829	48.690	ug/l	98
56) Ethyl methacrylate	10.43	69	644352	48.396	ug/l	98
57) 1,3-Dichloropropane	10.71	76	780182	49.095	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	829748	188.375	ug/l	100
59) 2-Hexanone	10.75	43	2162958	227.260	ug/l	99
60) Dibromochloromethane	10.90	129	422879	51.961	ug/l	100
61) 1,2-Dibromoethane	11.00	107	425105	49.429	ug/l	98
64) Tetrachloroethene	10.63	164	437932	48.635	ug/l	99
65) Chlorobenzene	11.43	112	1134841	50.195	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	403373	51.825	ug/l	100
67) Ethyl Benzene	11.51	91	2120775	49.945	ug/l	99
68) m/p-Xylenes	11.62	106	1557505	102.209	ug/l	99
69) o-Xylene	11.95	106	758303	50.629	ug/l	99
70) Styrene	11.96	104	1267449	52.820	ug/l	100
71) Bromoform	12.13	173	272192	51.824	ug/l #	100
73) Isopropylbenzene	12.25	105	2018693	52.696	ug/l	100
74) N-amyl acetate	12.07	43	776019	43.883	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	605444	48.405	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	721537	56.902	ug/l #	100
77) Bromobenzene	12.53	156	466107	45.407	ug/l	96
78) n-propylbenzene	12.59	91	2325349	46.546	ug/l	100
79) 2-Chlorotoluene	12.67	91	1394763	44.798	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1732999	46.522	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	157024	45.693	ug/l	97
82) 4-Chlorotoluene	12.77	91	1374982	46.738	ug/l	98
83) tert-Butylbenzene	12.99	119	1430381	44.797	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1651750	48.347	ug/l	99
85) sec-Butylbenzene	13.17	105	1948707	45.922	ug/l	99
86) p-Isopropyltoluene	13.29	119	1671695	48.405	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	795208	50.134	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	761566	48.651	ug/l	99
89) n-Butylbenzene	13.61	91	1342043	50.133	ug/l	100
90) Hexachloroethane	13.87	117	256537	45.537	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	773822	48.813	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91711	42.818	ug/l	98

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Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

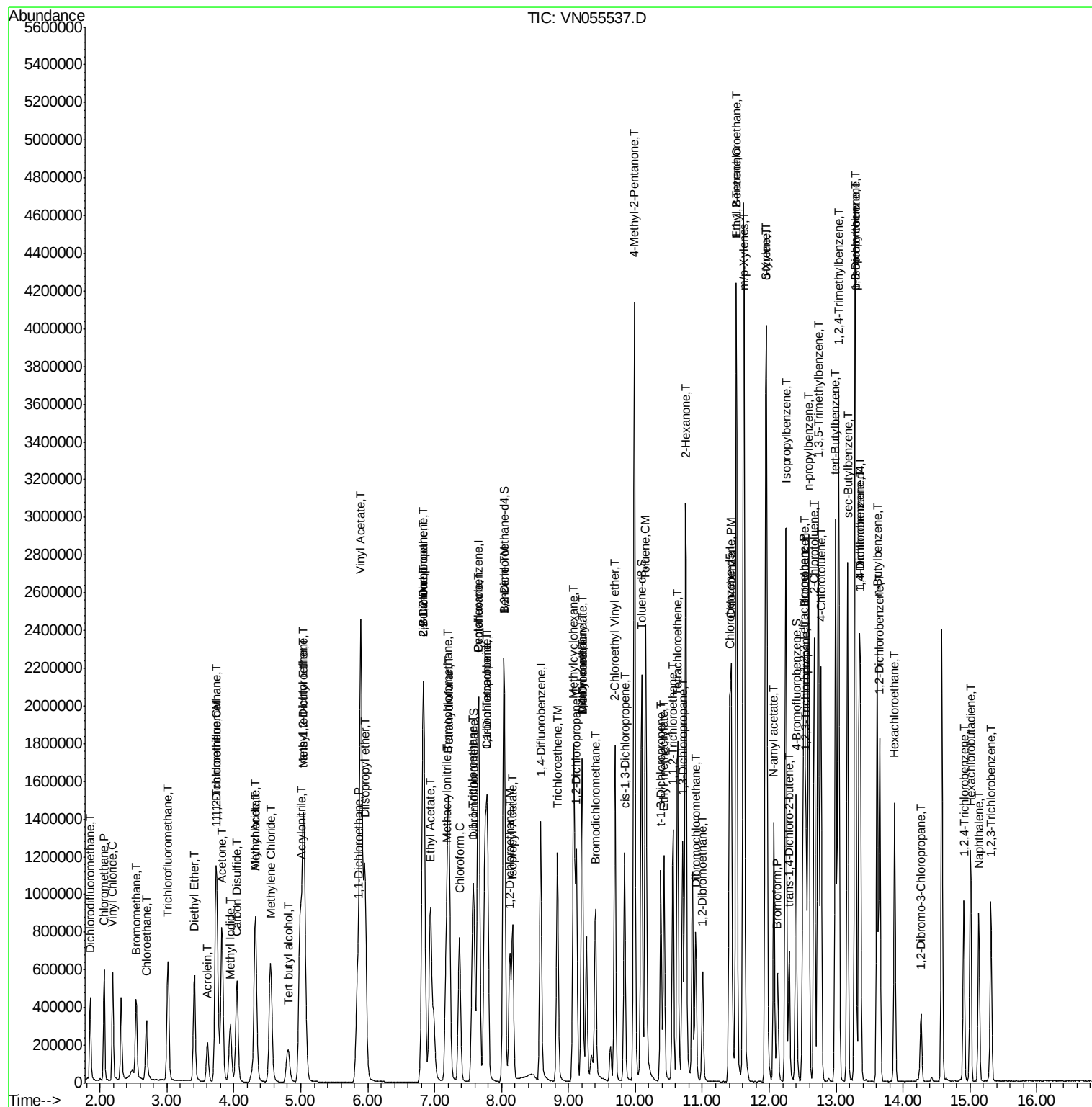
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	309131	45.120	ug/l	98
94) Hexachlorobutadiene	15.01	225	253264	54.181	ug/l	99
95) Naphthalene	15.13	128	761967	39.868	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	326225	43.953	ug/l	98

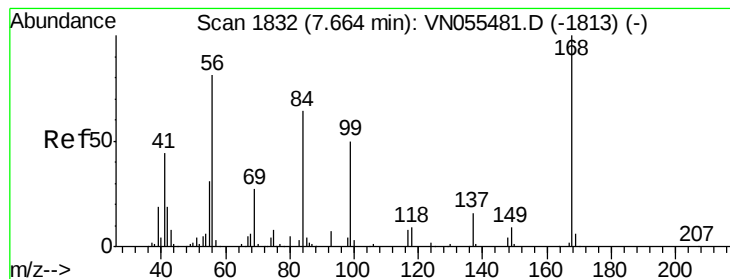
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

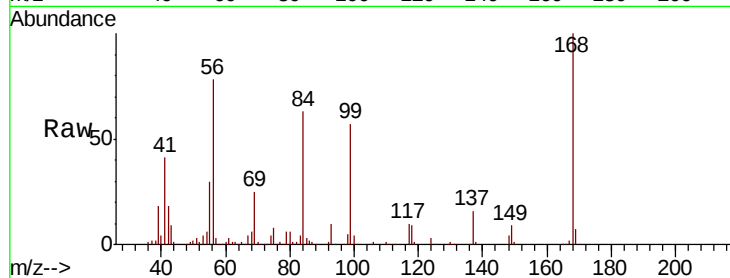
VSTDCCC050

Tot Ion:168 Resp: 762821

Ion Ratio Lower Upper

168 100

99 56.6 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

300000

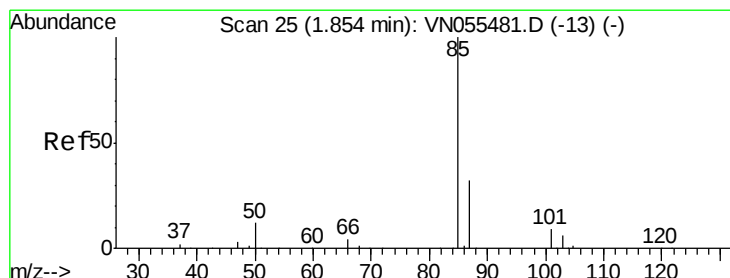
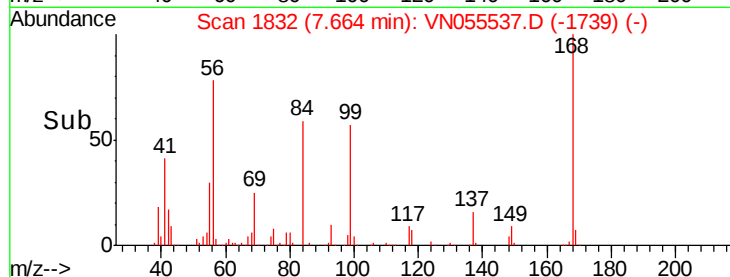
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.511 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055537.D

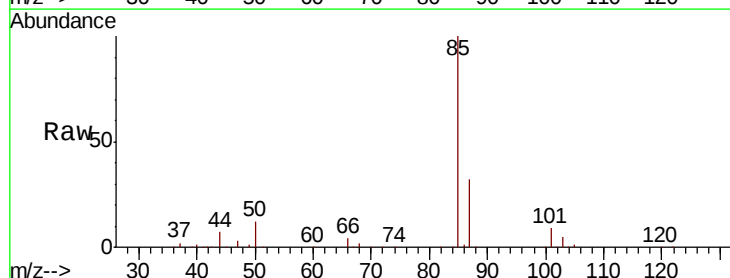
Acq: 10 May 2019 8:53

Tgt Ion: 85 Resp: 345692

Ion Ratio Lower Upper

85 100

87 32.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

150000

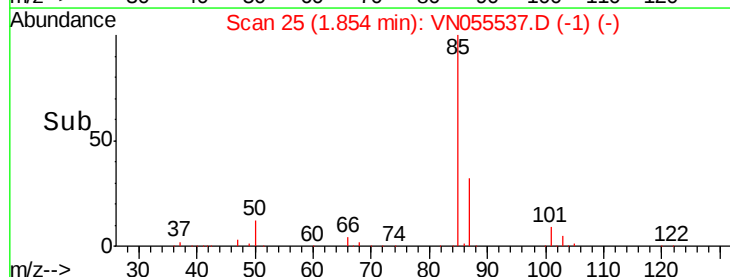
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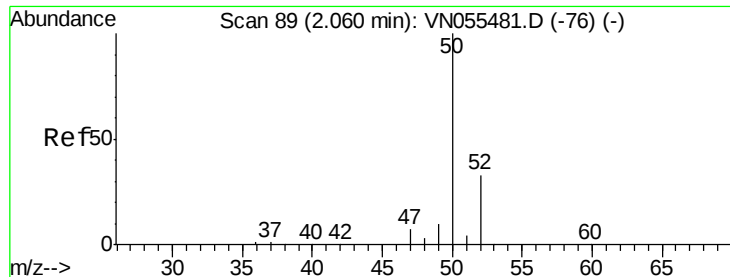
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 42.121 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

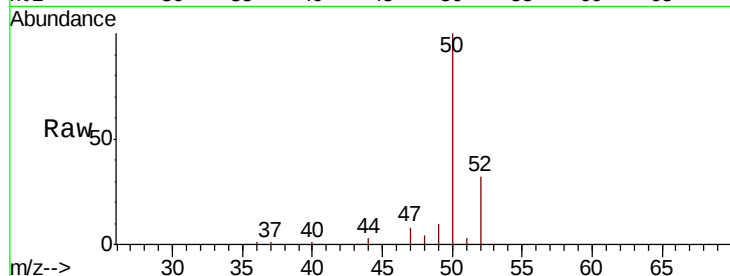
VSTDCCC050

Tot Ion: 50 Resp: 531453

Ion Ratio Lower Upper

50 100

52 32.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

400000

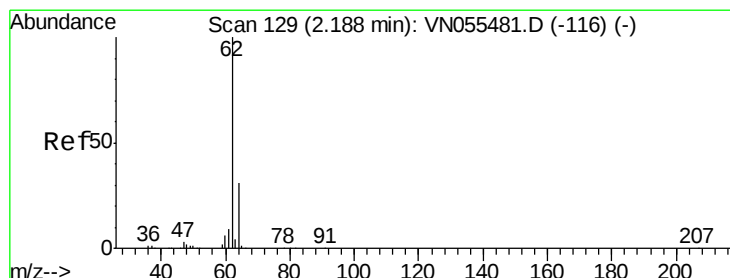
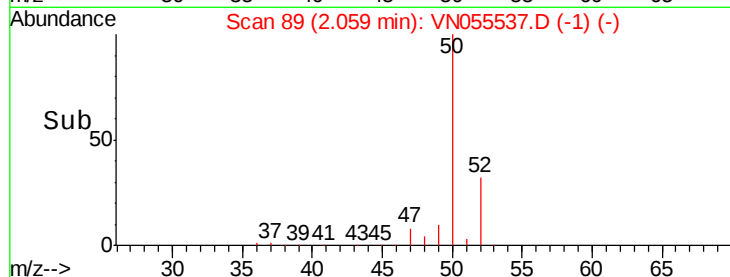
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 44.528 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055537.D

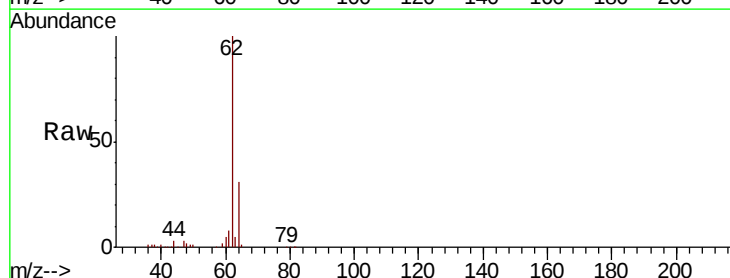
Acq: 10 May 2019 8:53

Tgt Ion: 62 Resp: 530349

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

400000

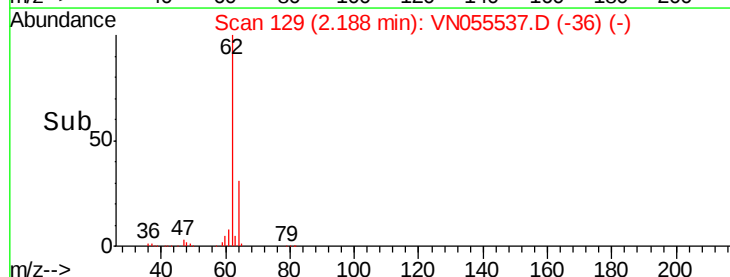
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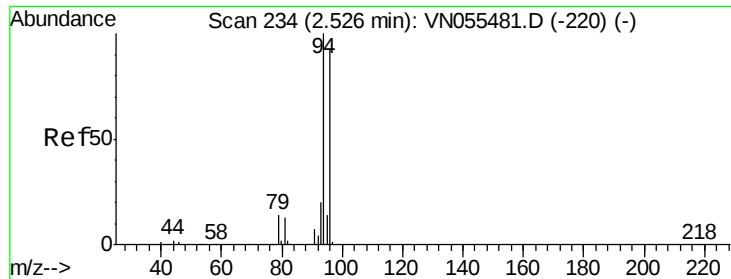
200000

100000

0

Time-->





#5

Bromomethane

Concen: 46.271 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

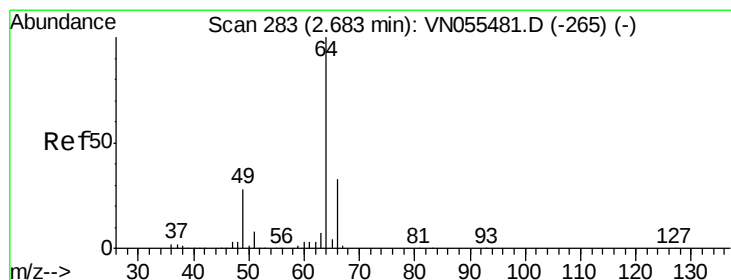
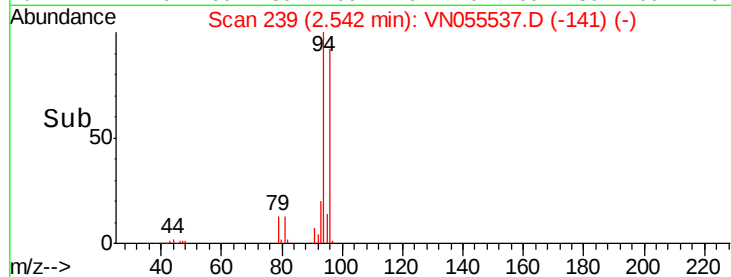
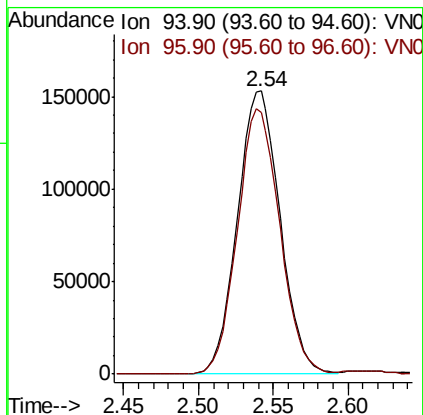
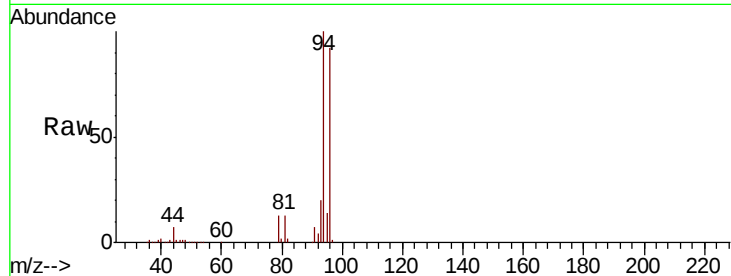
VSTDCCC050

Tot Ion: 94 Resp: 301951

Ion Ratio Lower Upper

94 100

96 92.4 74.8 112.2



#6

Chloroethane

Concen: 46.962 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055537.D

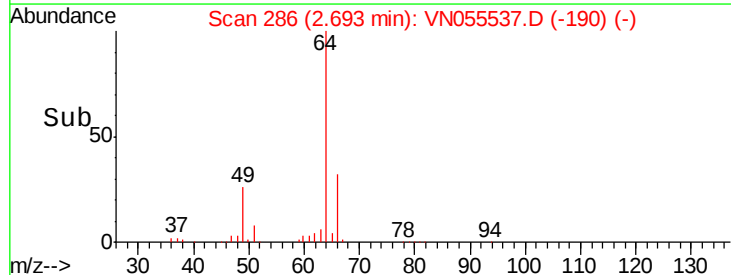
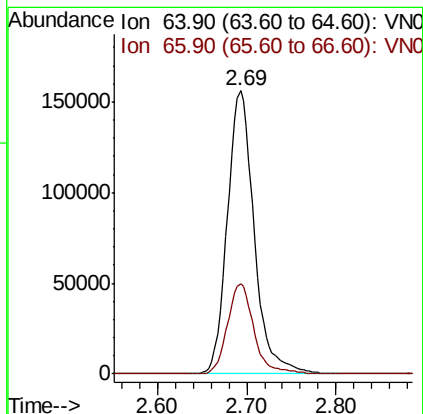
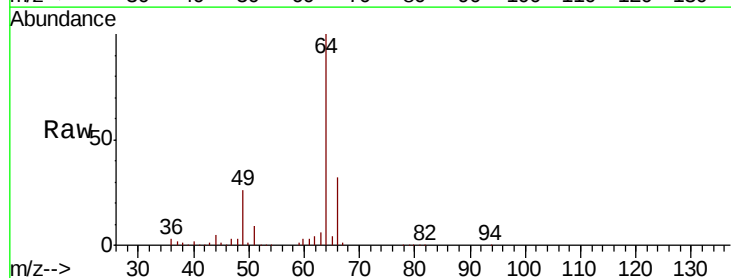
Acq: 10 May 2019 8:53

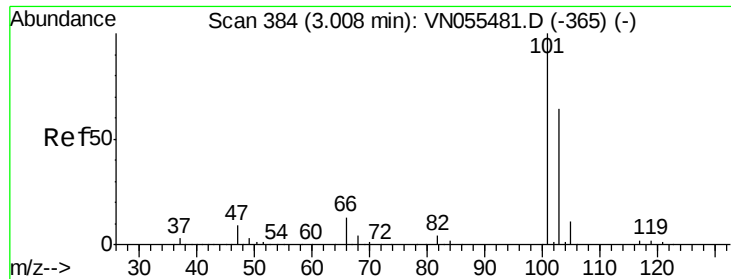
Tgt Ion: 64 Resp: 325797

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



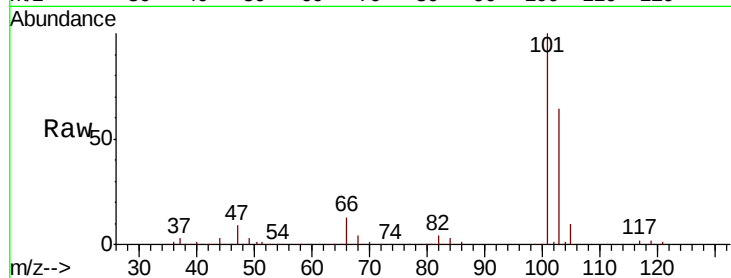


#7

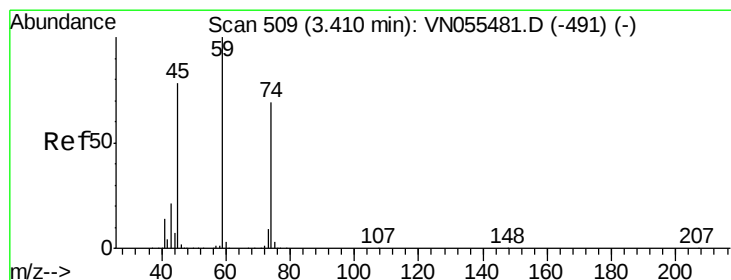
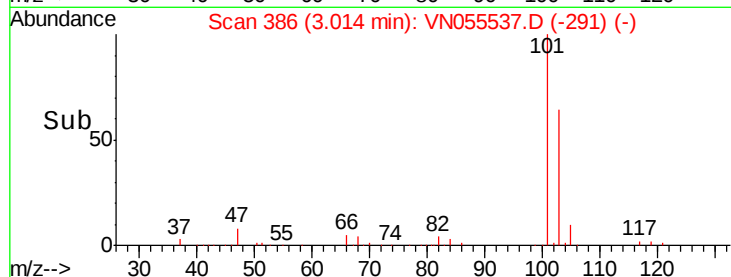
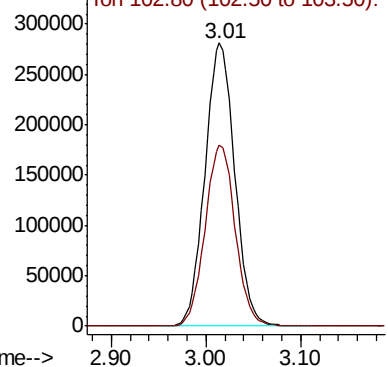
Trichlorofluoromethane
Concen: 47.093 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 615318
Ion Ratio Lower Upper
101 100
103 63.7 51.2 76.8



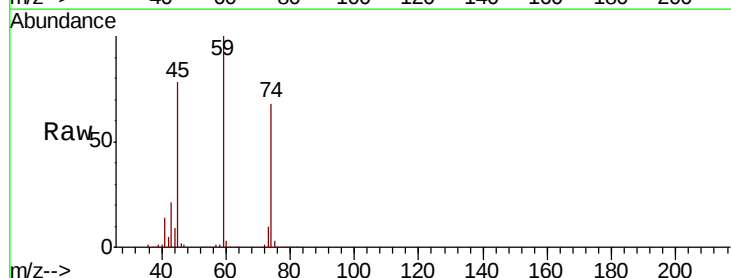
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



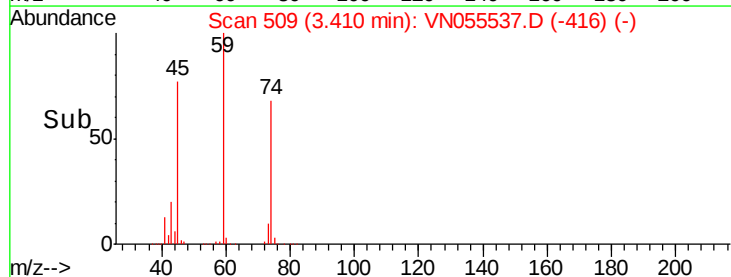
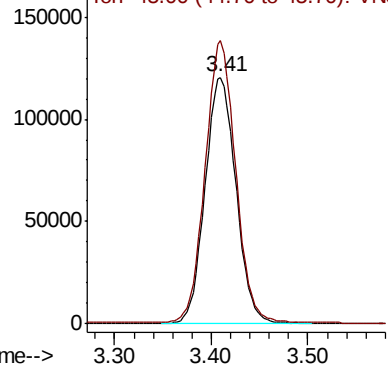
#8

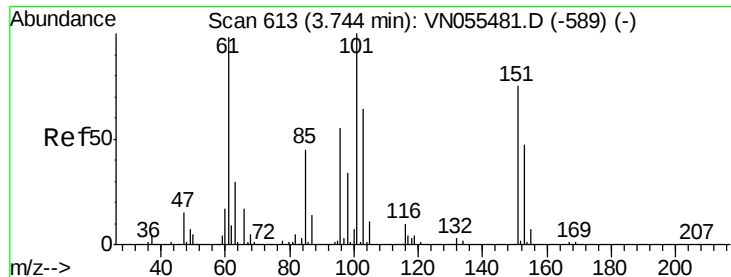
Diethyl Ether
Concen: 45.711 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 74 Resp: 268236
Ion Ratio Lower Upper
74 100
45 112.3 58.1 174.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.204 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

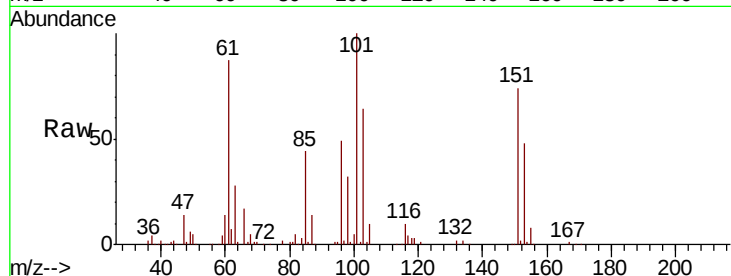
Tot Ion:101 Resp: 400725

Ion Ratio Lower Upper

101 100

85 43.4 35.5 53.3

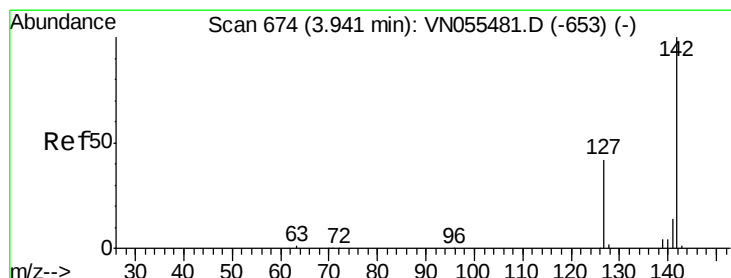
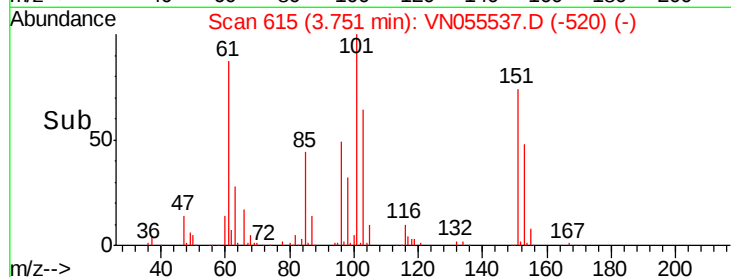
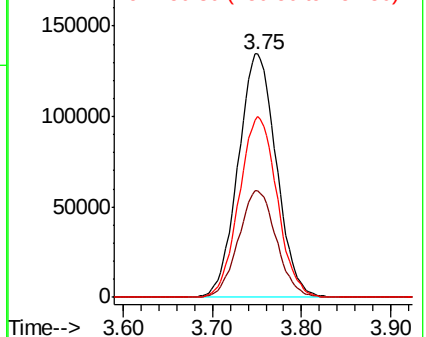
151 74.0 59.2 88.8



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: 45.842 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

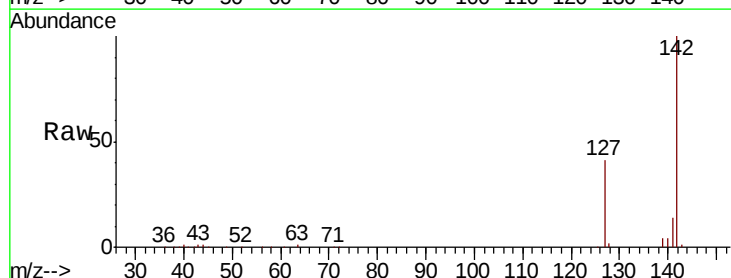
Tgt Ion:142 Resp: 515074

Ion Ratio Lower Upper

142 100

127 41.0 33.0 49.4

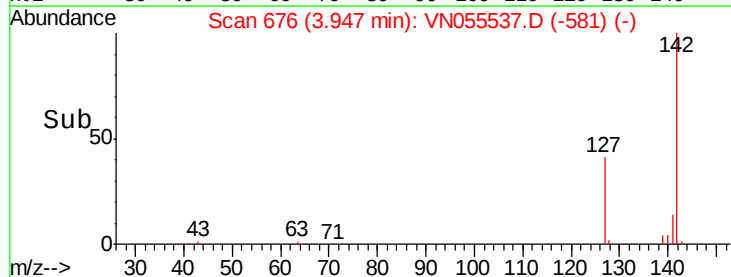
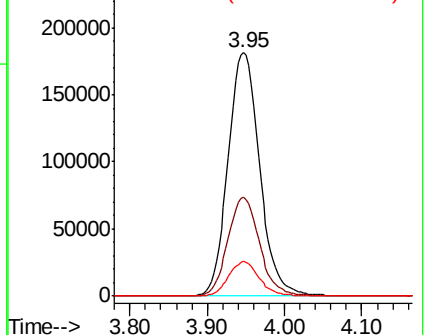
141 13.9 11.4 17.0

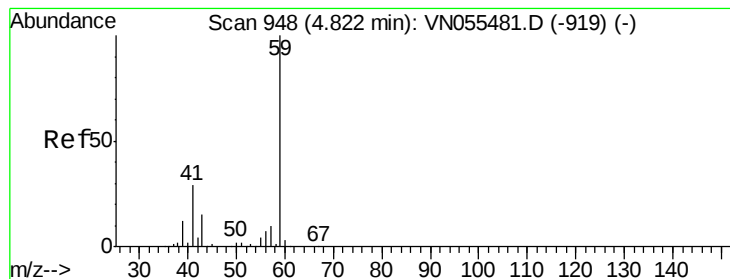


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



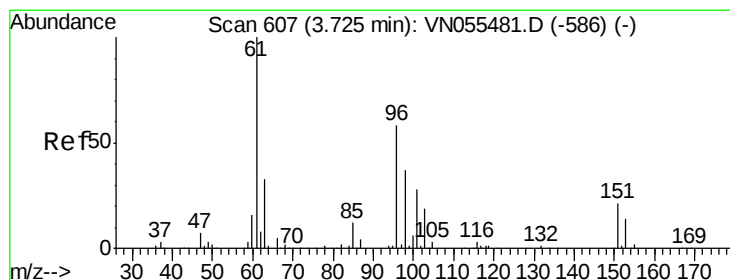
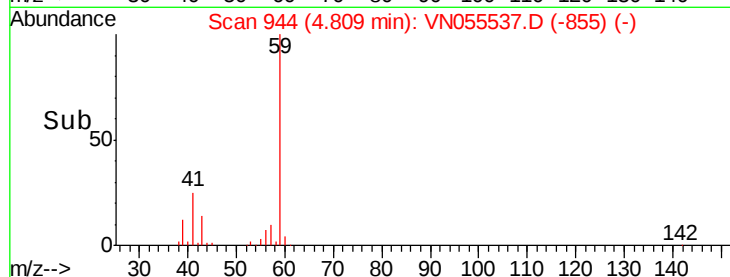
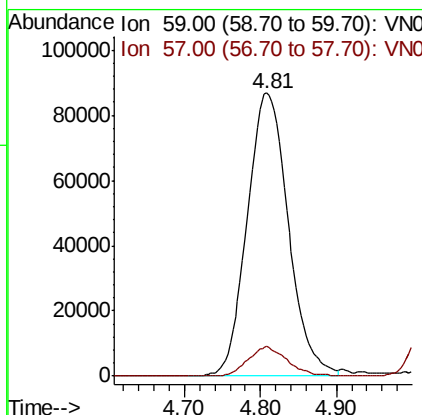
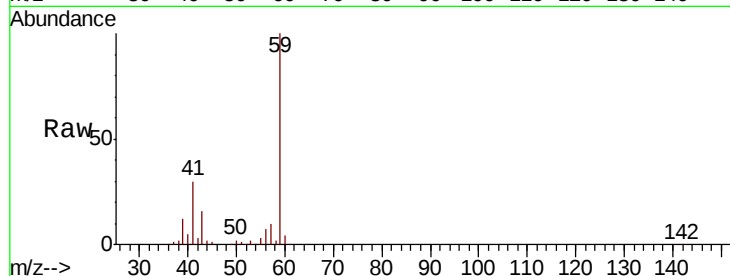


#11

Tert butyl alcohol
 Concen: 193.004 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

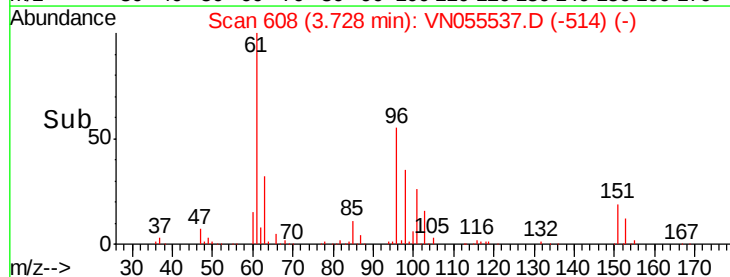
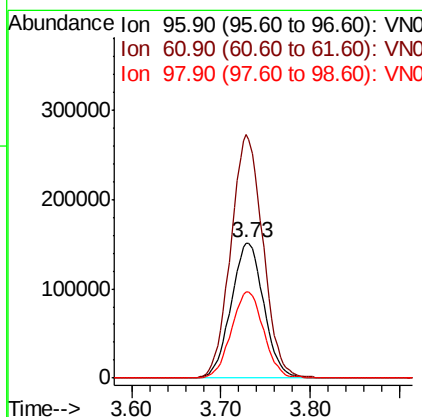
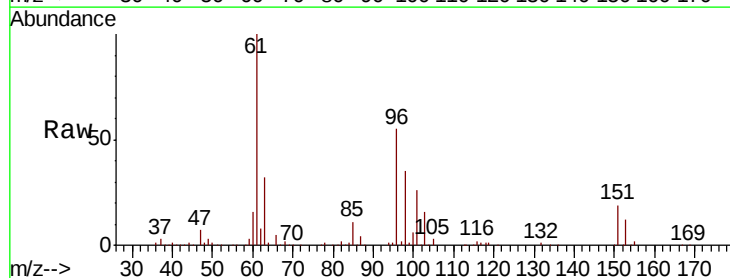
Tot Ion: 59 Resp: 327306
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.0 12.0

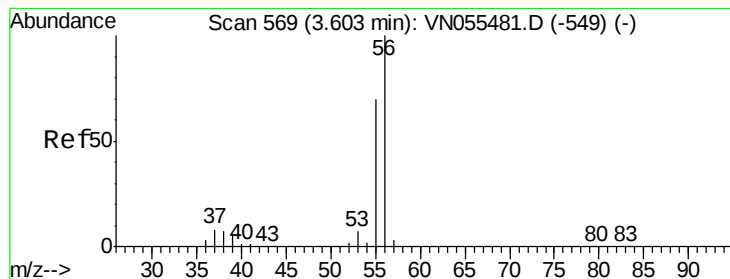


#12

1,1-Dichloroethene
 Concen: 46.198 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion: 96 Resp: 385163
 Ion Ratio Lower Upper
 96 100
 61 180.3 138.7 208.1
 98 63.9 50.6 76.0





#13

Acrolein

Concen: 214.410 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

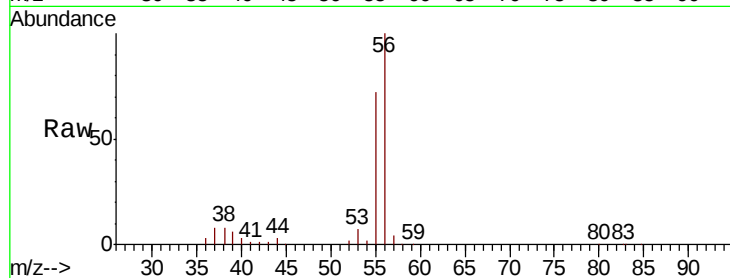
VSTDCCC050

Tot Ion: 56 Resp: 242332

Ion Ratio Lower Upper

56 100

55 70.6 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

100000

80000

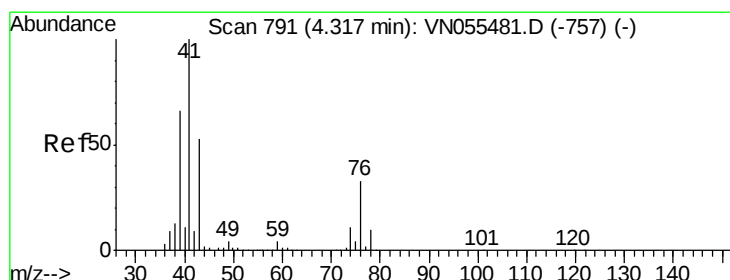
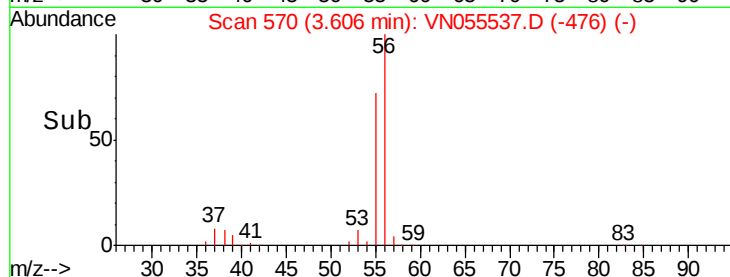
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 45.462 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

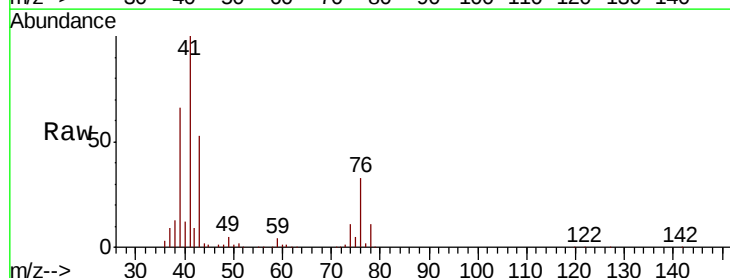
Tgt Ion: 41 Resp: 776410

Ion Ratio Lower Upper

41 100

39 61.8 49.8 74.8

76 30.4 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

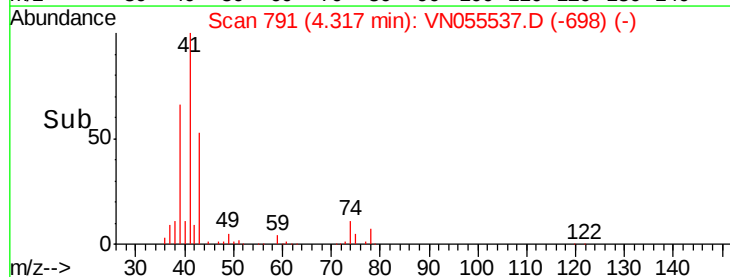
300000

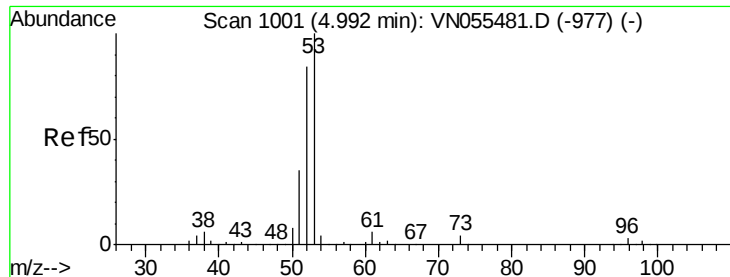
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 211.705 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

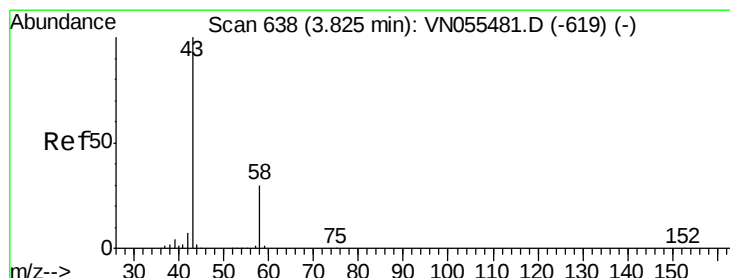
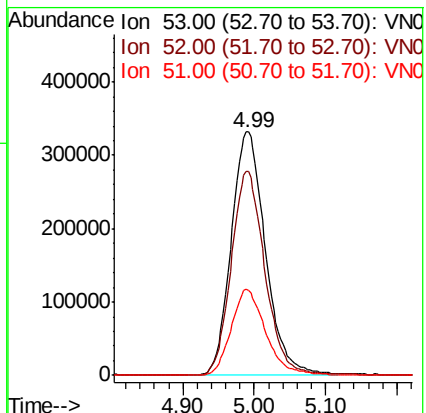
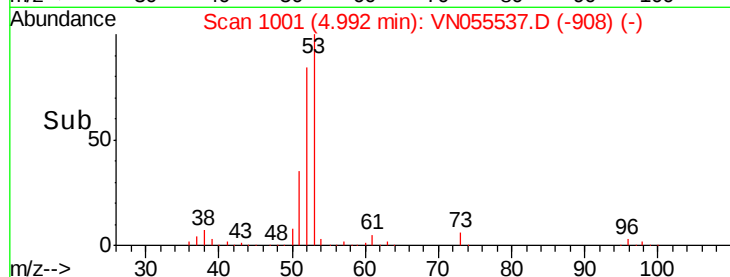
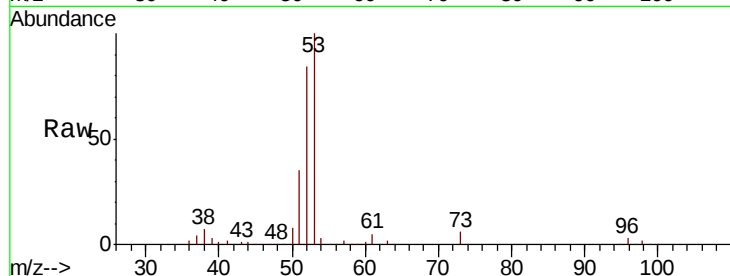
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1111697

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.1	99.1
51	35.7	28.3	42.5



#16

Acetone

Concen: 254.314 ug/l

RT: 3.82 min Scan# 637

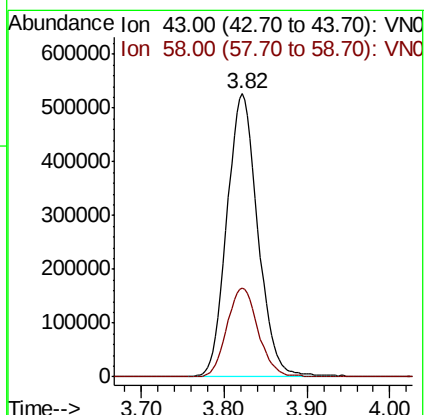
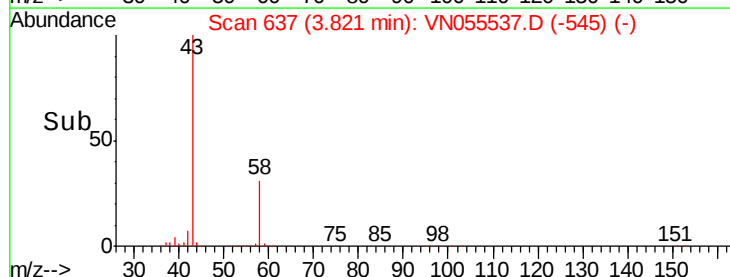
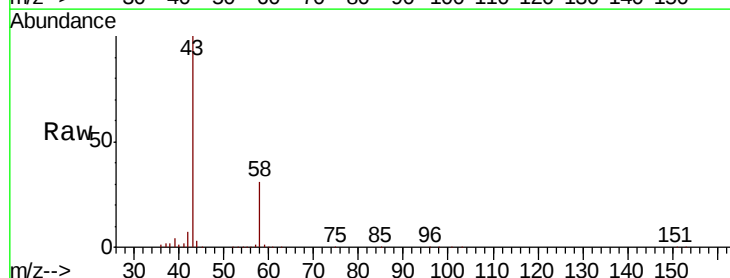
Delta R.T. -0.00 min

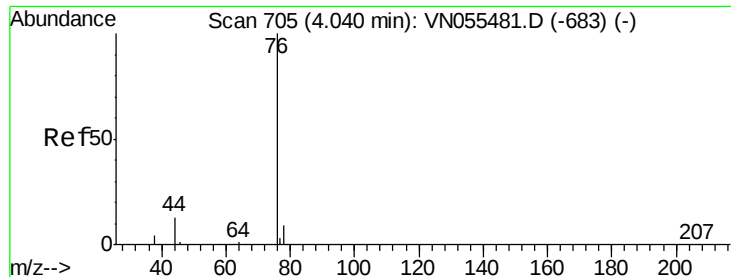
Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion: 43 Resp: 1352479

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.2	36.2

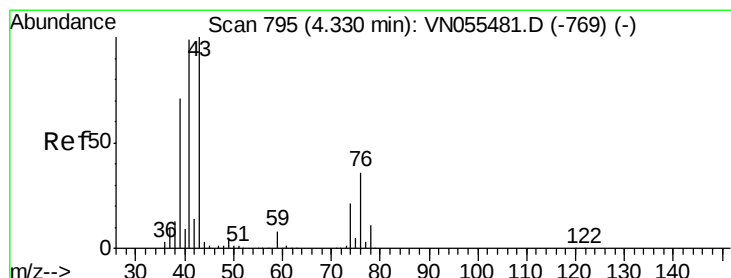
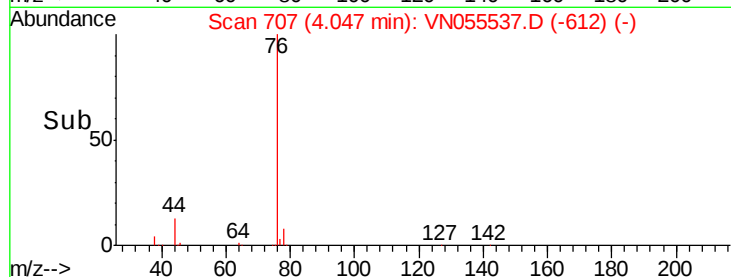
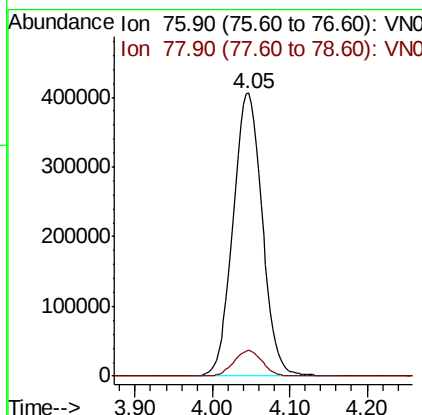
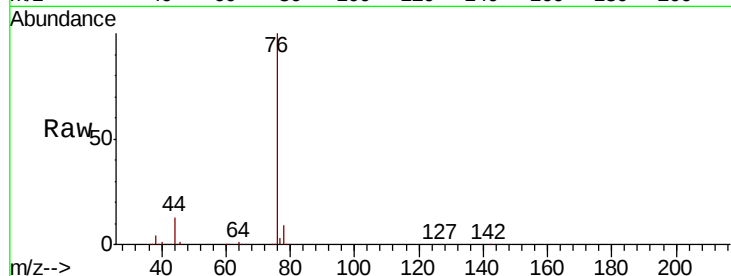




#17
Carbon Disulfide
Concen: 46.654 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

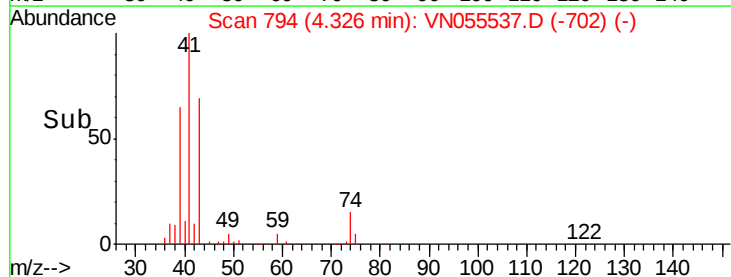
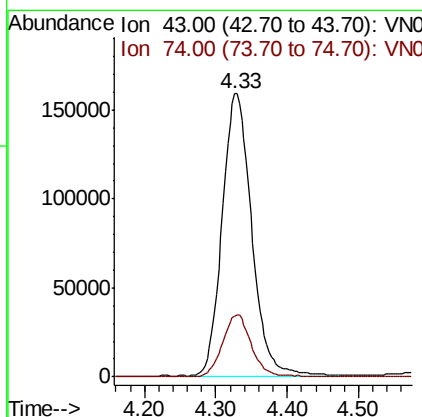
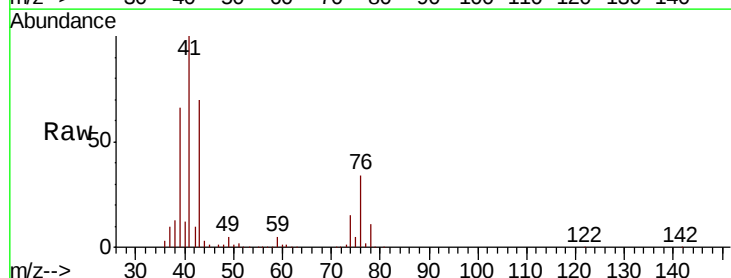
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

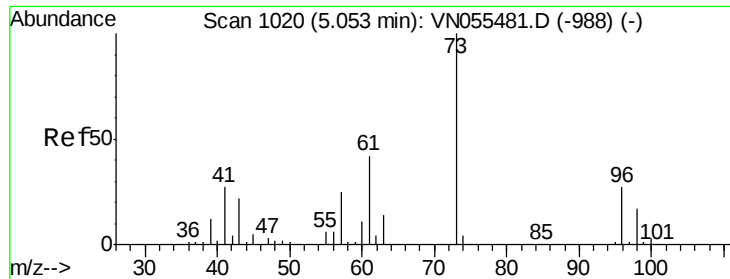
Tot Ion: 76 Resp: 1061589
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 40.637 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 43 Resp: 455829
Ion Ratio Lower Upper
43 100
74 21.5 16.3 24.5

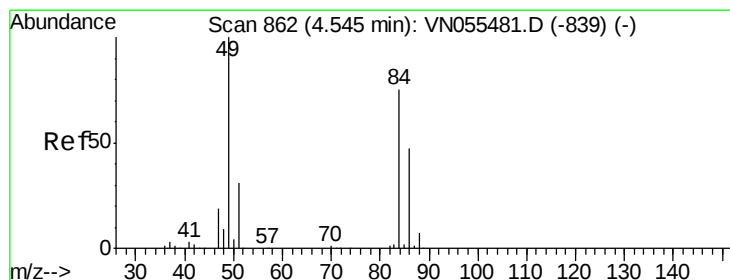
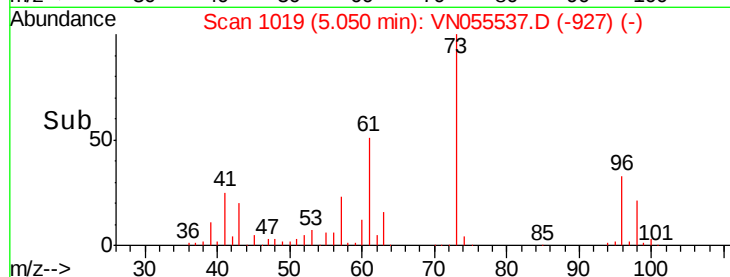
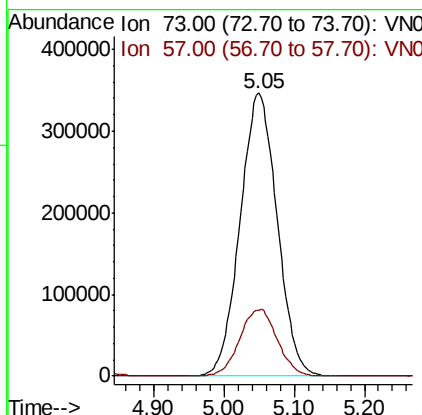
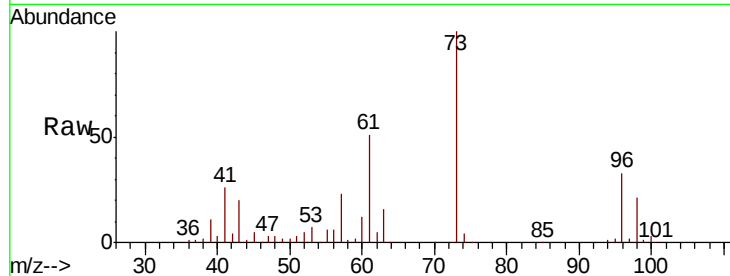




#19
Methyl tert-butyl Ether
Concen: 45.772 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

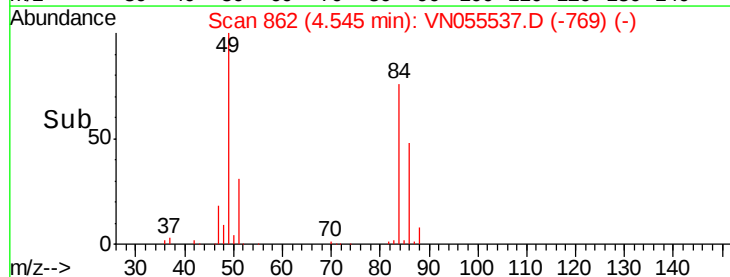
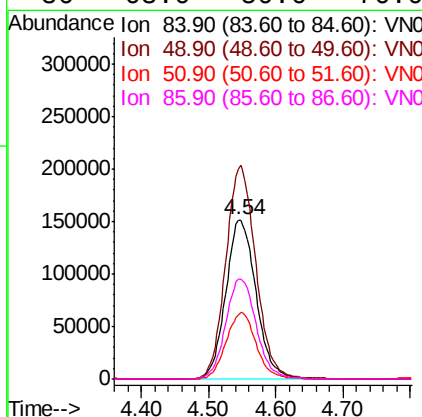
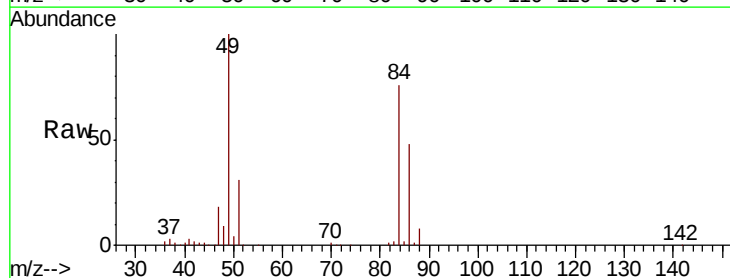
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

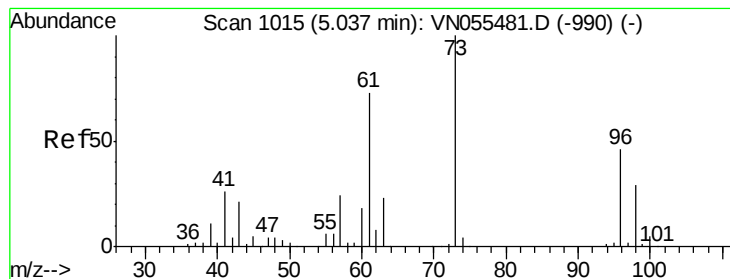
Tot Ion: 73 Resp: 1268031
Ion Ratio Lower Upper
73 100
57 23.4 20.0 30.0



#20
Methylene Chloride
Concen: 43.654 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 84 Resp: 474720
Ion Ratio Lower Upper
84 100
49 131.7 107.0 160.6
51 40.5 33.0 49.4
86 63.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 47.225 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

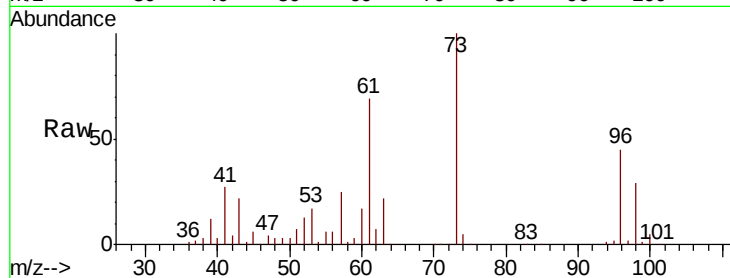
Tot Ion: 96 Resp: 426879

Ion Ratio Lower Upper

96 100

61 151.4 127.4 191.0

98 63.4 51.6 77.4

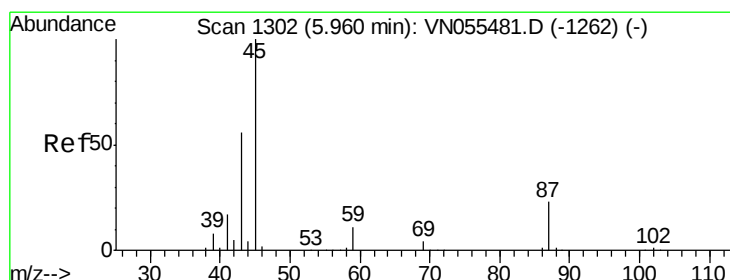
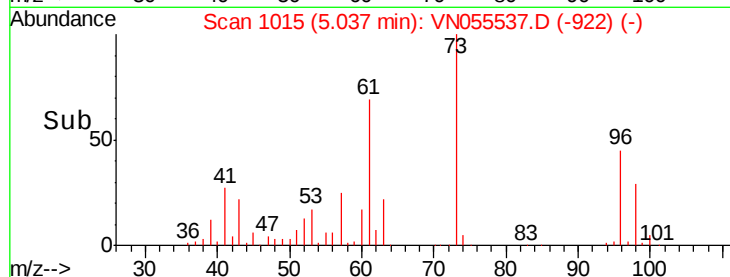
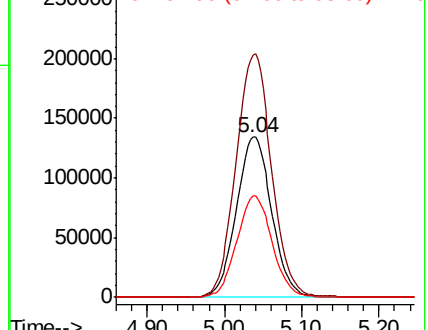


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 46.547 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion: 45 Resp: 1615432

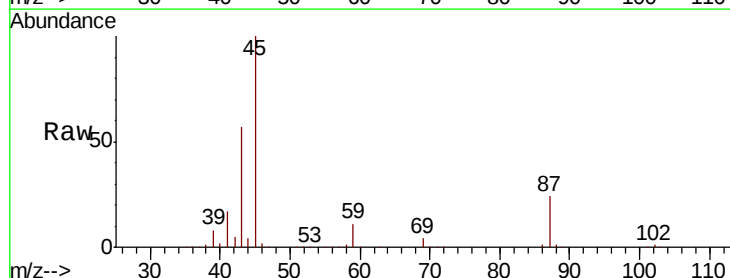
Ion Ratio Lower Upper

45 100

43 55.8 44.6 66.8

87 24.0 18.6 28.0

59 10.7 8.6 12.8



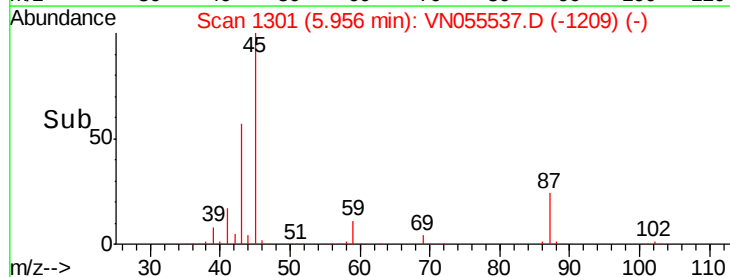
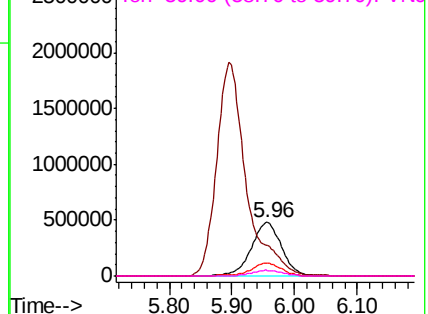
Abundance

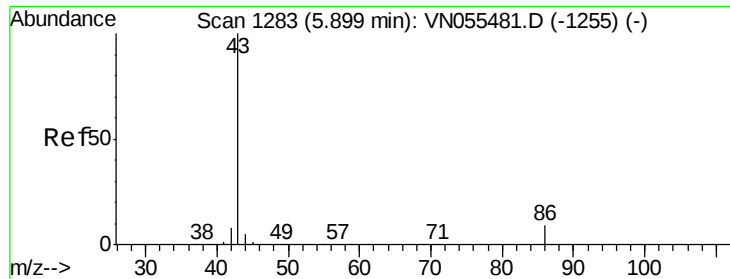
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 234.014 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

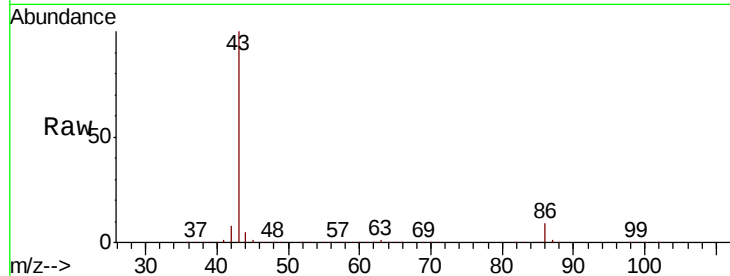
VSTDCCC050

Tot Ion: 43 Resp: 6280852

Ion Ratio Lower Upper

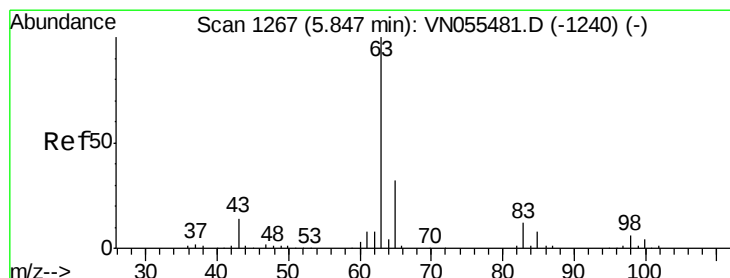
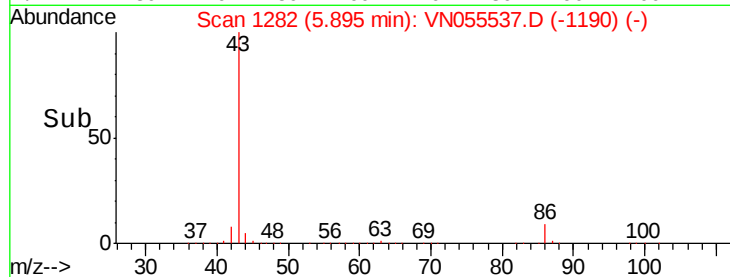
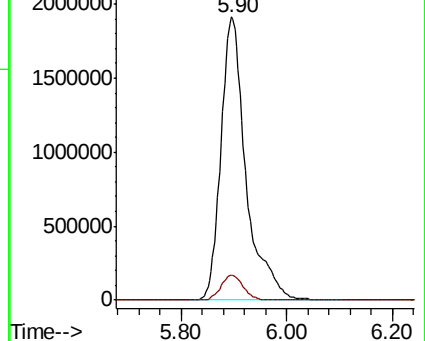
43 100

86 8.7 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.177 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

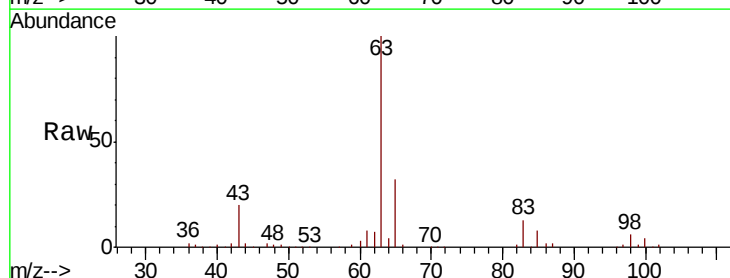
Tgt Ion: 63 Resp: 865103

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

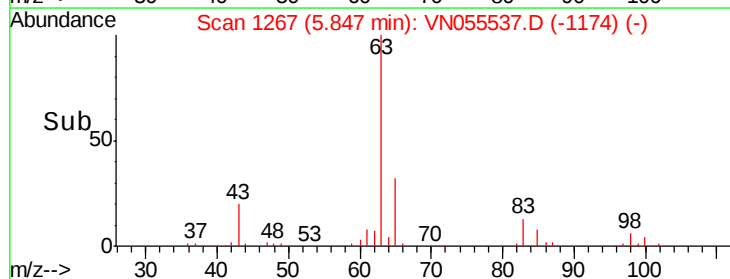
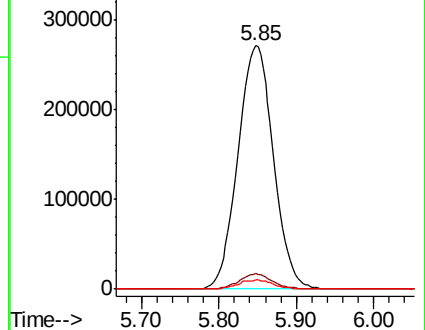
100 3.7 1.9 5.7



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

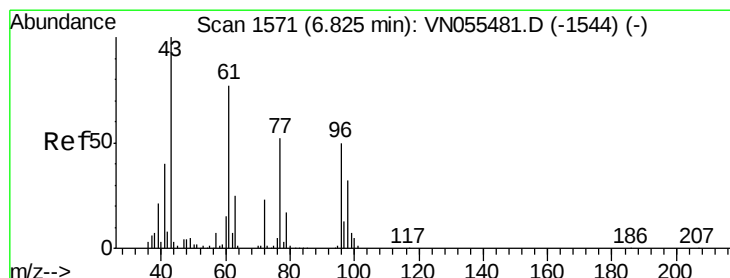
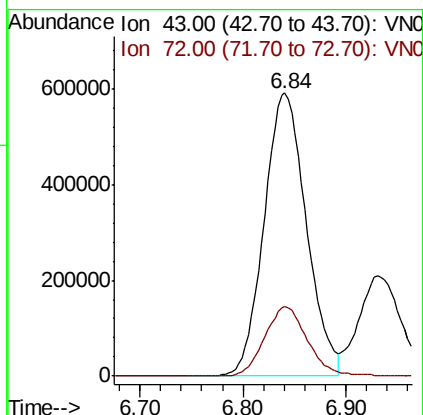
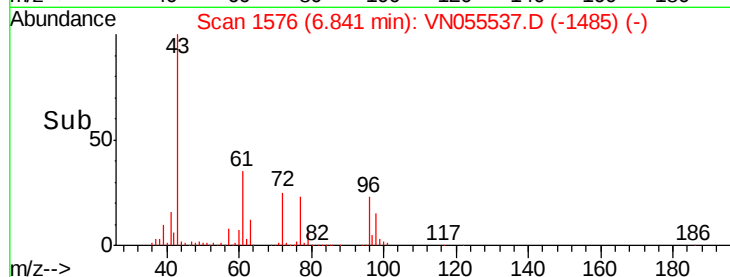
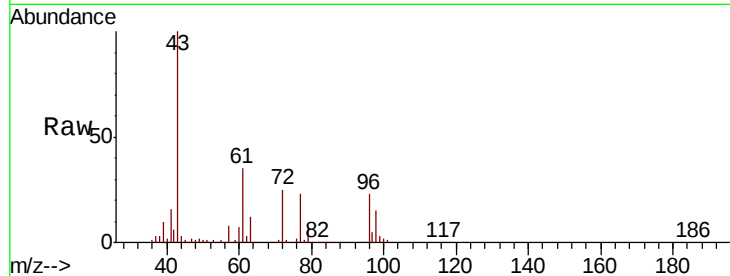




#25
2-Butanone
Concen: 228.326 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

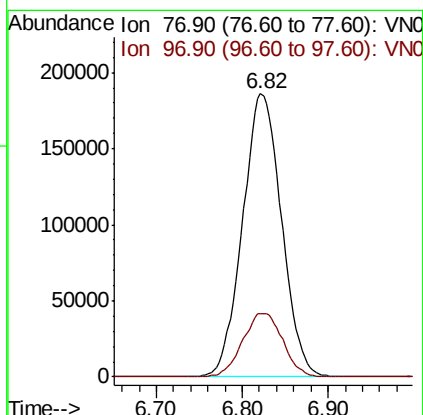
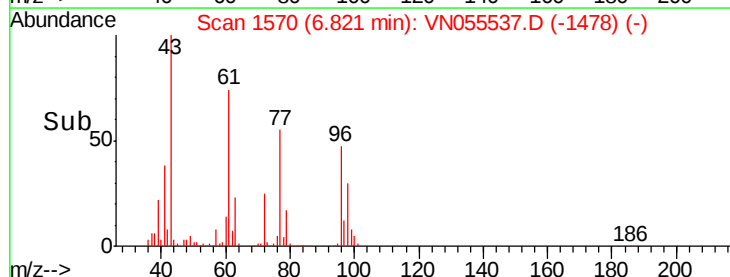
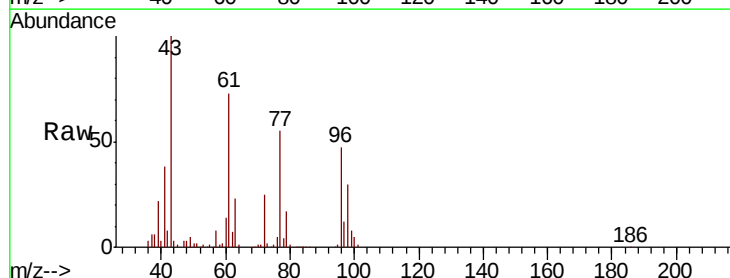
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

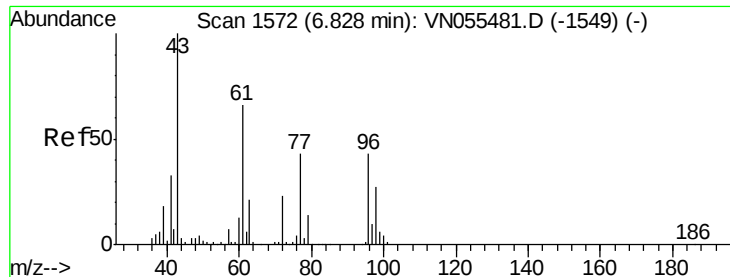
Tot Ion: 43 Resp: 1677371
Ion Ratio Lower Upper
43 100
72 24.8 18.6 27.8



#26
2,2-Dichloropropane
Concen: 50.231 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 77 Resp: 586638
Ion Ratio Lower Upper
77 100
97 23.2 11.5 34.5

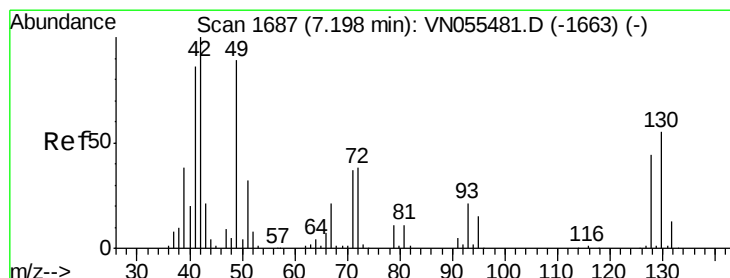
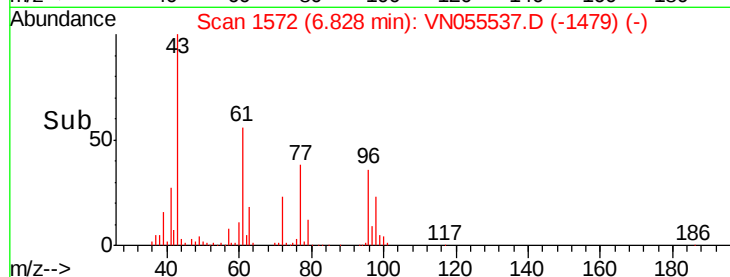
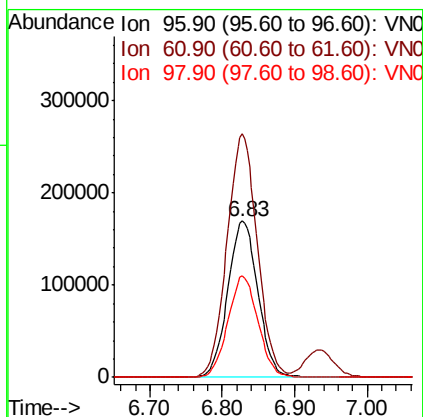
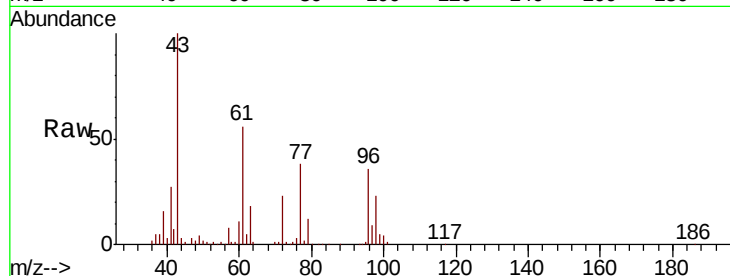




#27
 cis-1,2-Dichloroethene
 Concen: 47.054 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

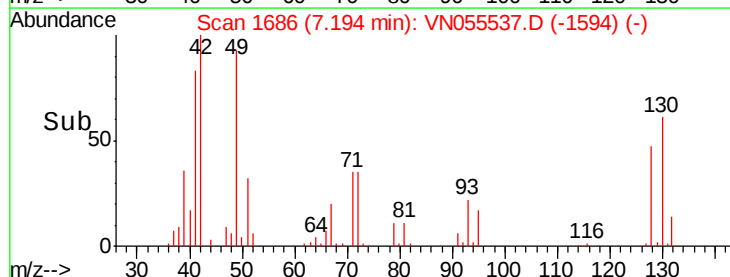
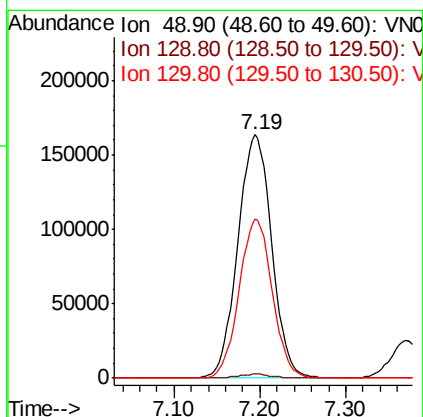
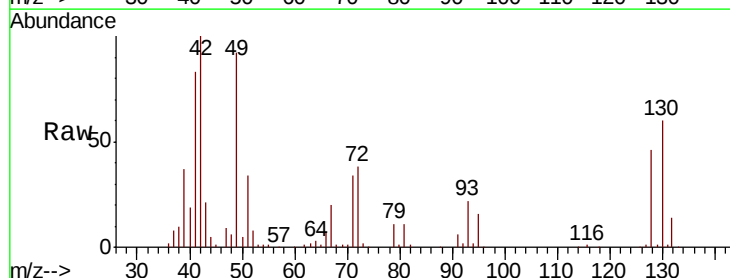
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

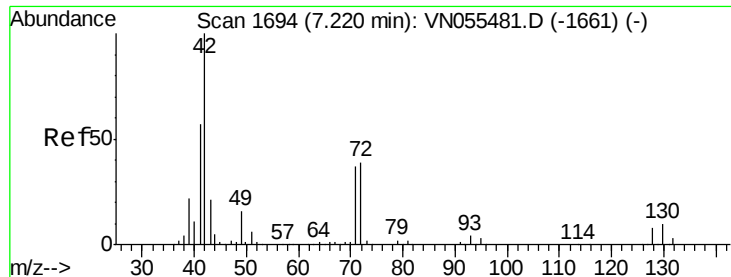
Tot Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	310.8
98	64.6	0.0	129.4



#28
 Bromochloromethane
 Concen: 46.074 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	63.8	49.5	74.3

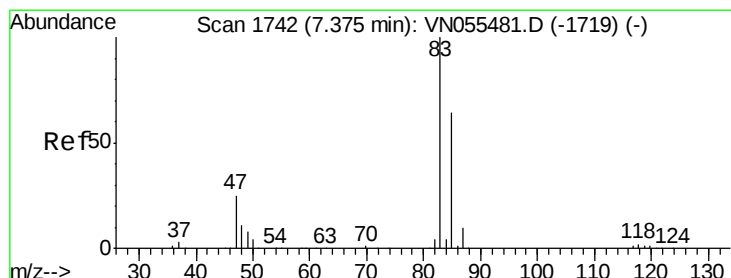
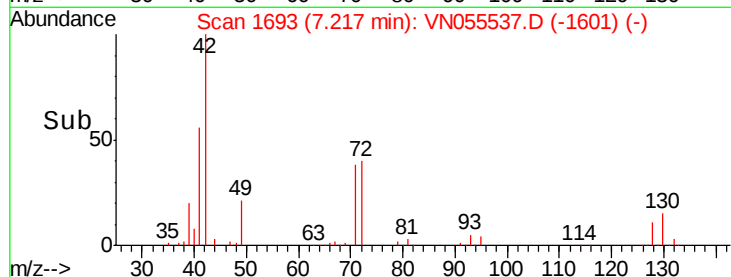
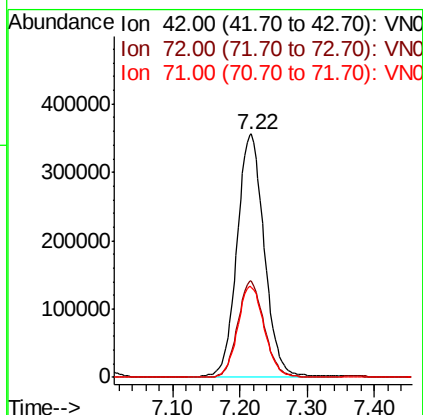
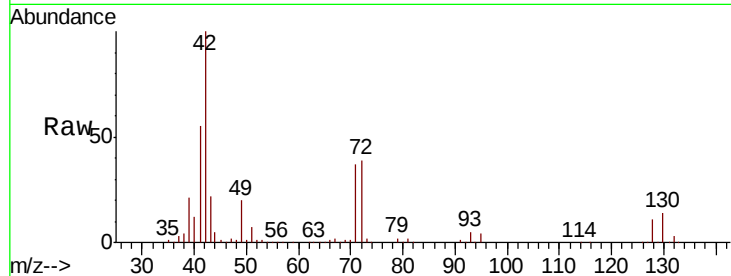




#29
Tetrahydrofuran
Concen: 205.059 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

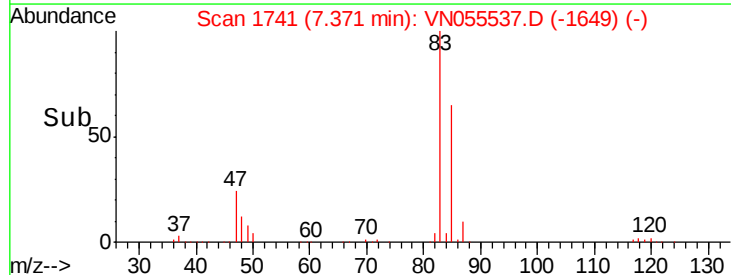
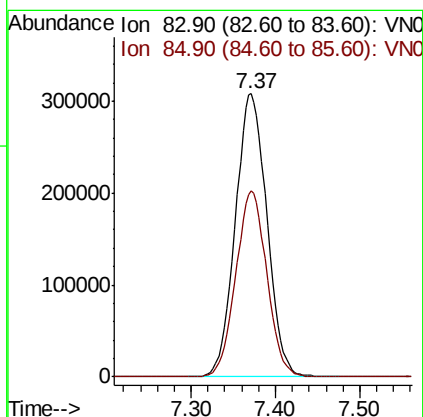
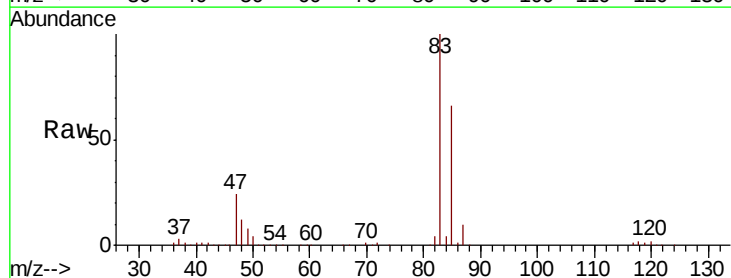
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

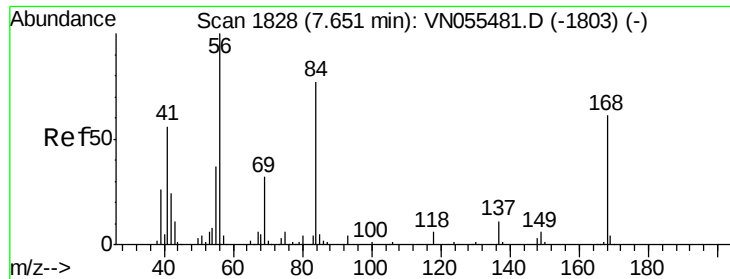
Tot Ion: 42 Resp: 995883
Ion Ratio Lower Upper
42 100
72 38.8 31.0 46.6
71 36.8 29.4 44.2



#30
Chloroform
Concen: 46.295 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 83 Resp: 801797
Ion Ratio Lower Upper
83 100
85 65.6 51.3 76.9





#31

Cyclohexane

Concen: 44.365 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

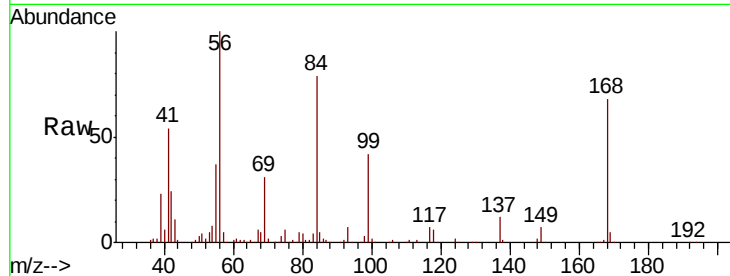
Tot Ion: 56 Resp: 822357

Ion Ratio Lower Upper

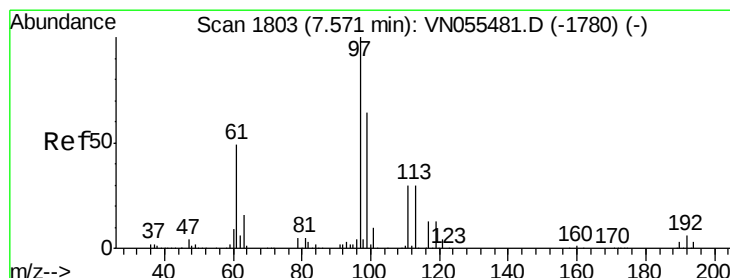
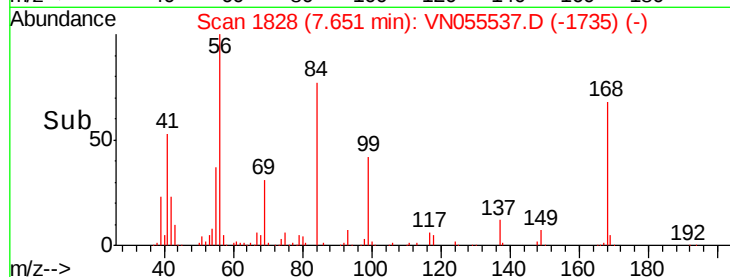
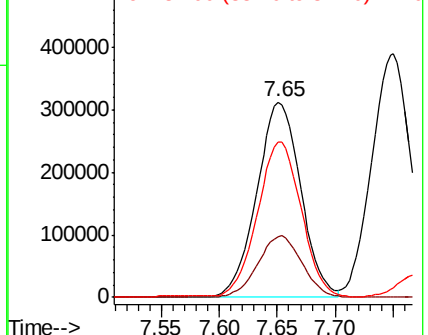
56 100

69 31.1 26.0 39.0

84 78.2 61.9 92.9



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



#32

1,1,1-Trichloroethane

Concen: 47.860 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

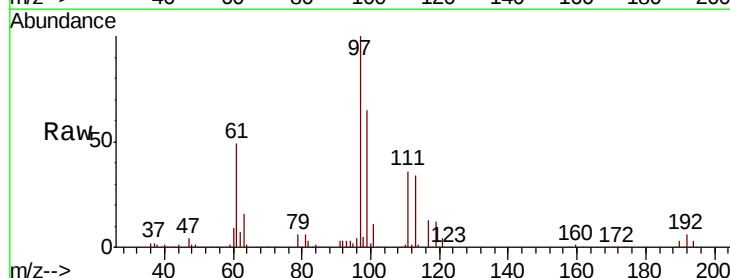
Tgt Ion: 97 Resp: 631222

Ion Ratio Lower Upper

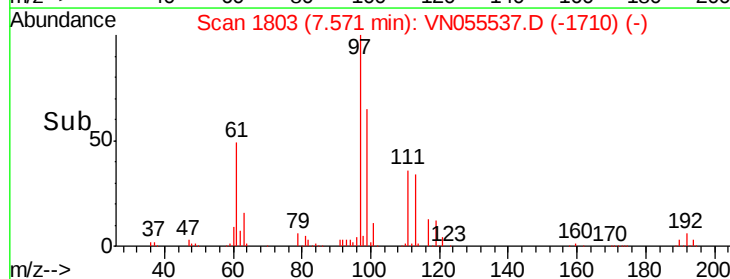
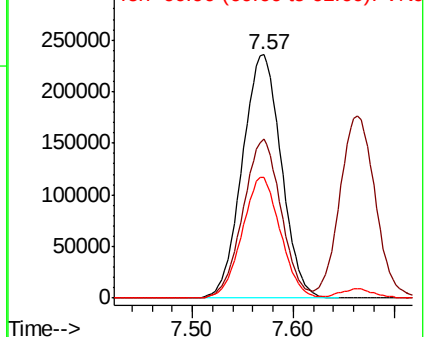
97 100

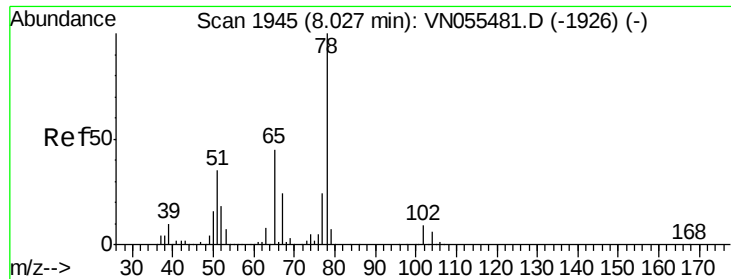
99 63.8 51.2 76.8

61 48.7 39.2 58.8



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

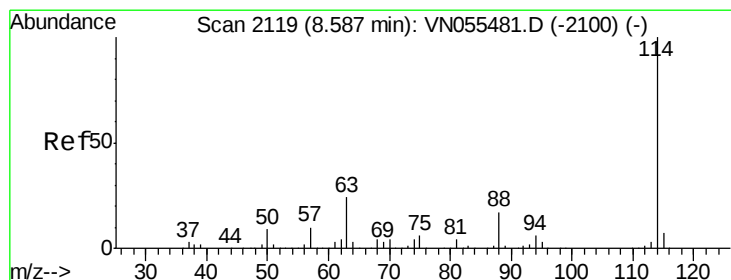
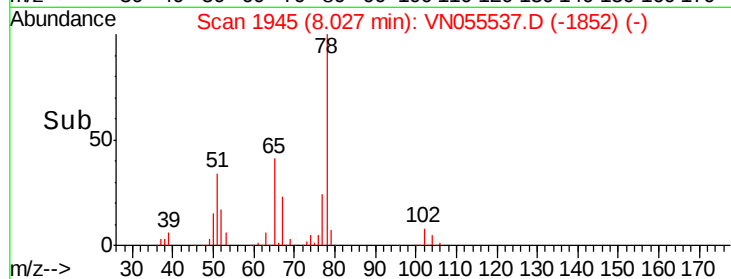
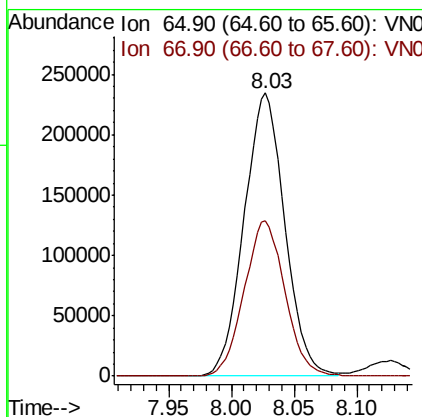
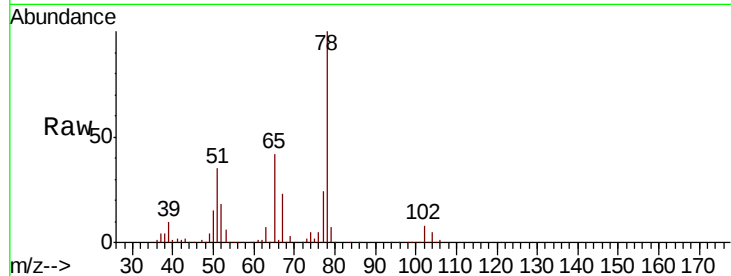




#33
 1,2-Dichloroethane-d4
 Concen: 46.115 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

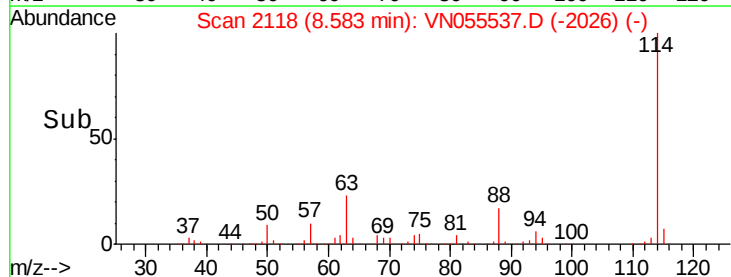
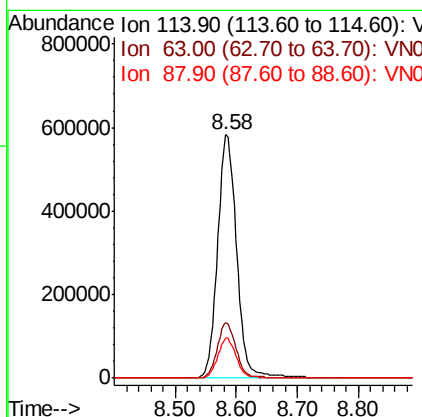
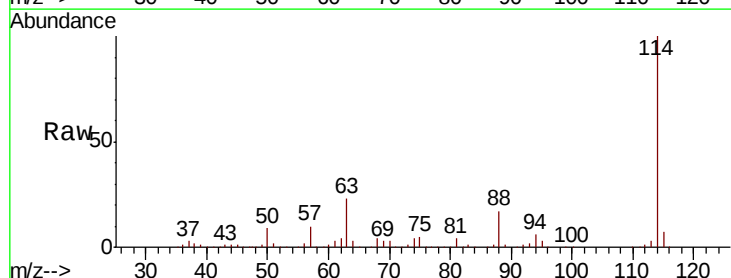
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 529649
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion: 114 Resp: 1263874
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.5 0.0 34.0

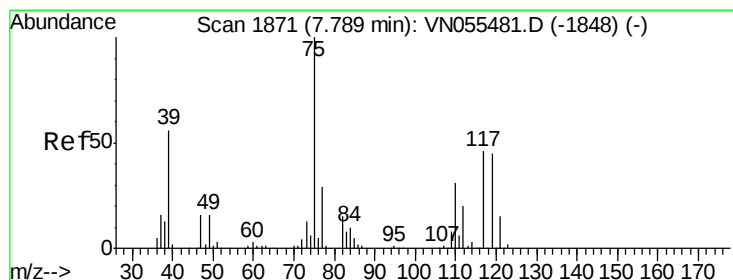
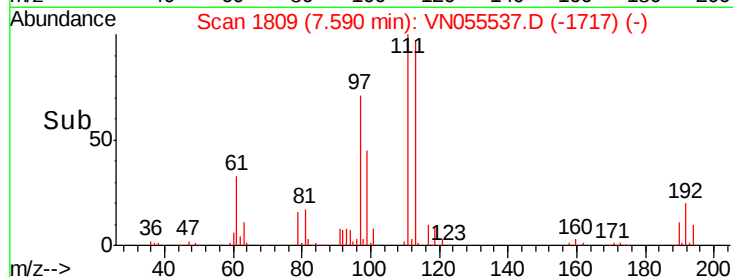
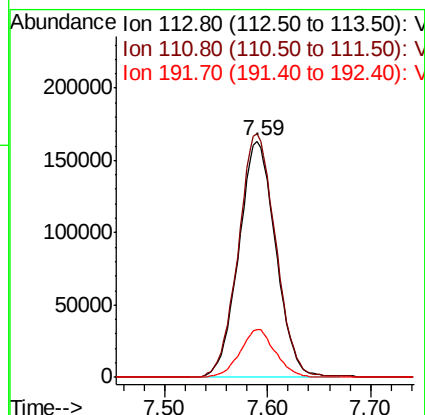
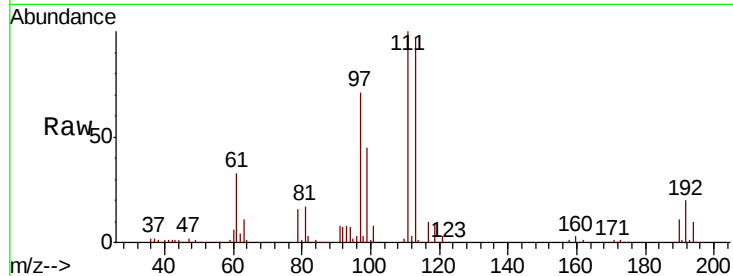




#35
 Dibromofluoromethane
 Concen: 49.971 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

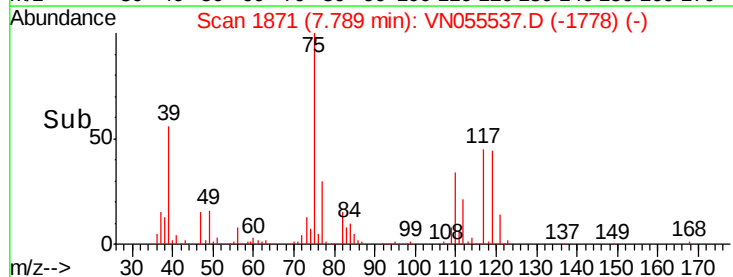
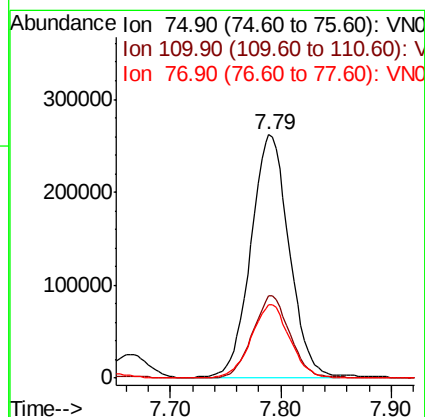
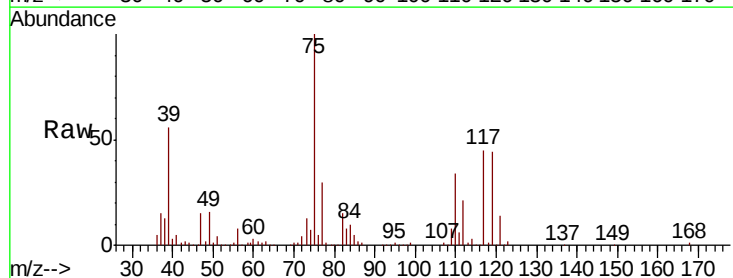
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 407416
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.9 124.3
 192 19.3 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 50.177 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion: 75 Resp: 624774
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.1 48.3
 77 30.5 24.6 37.0

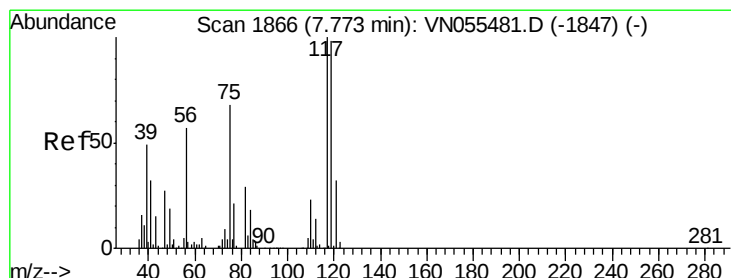
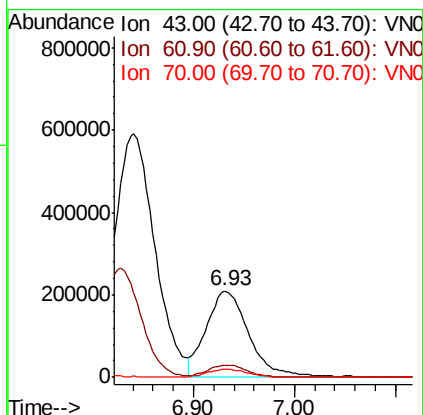
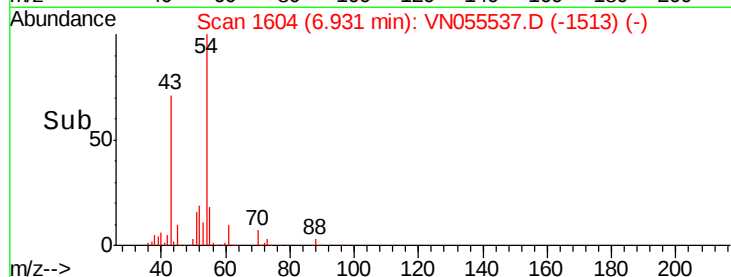
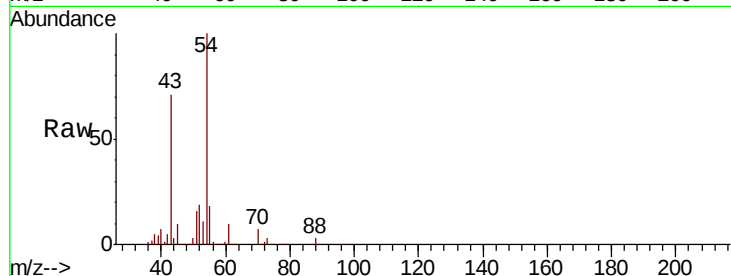




#37
Ethyl Acetate
Concen: 44.394 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

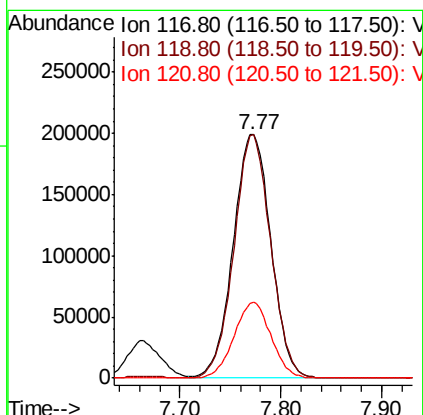
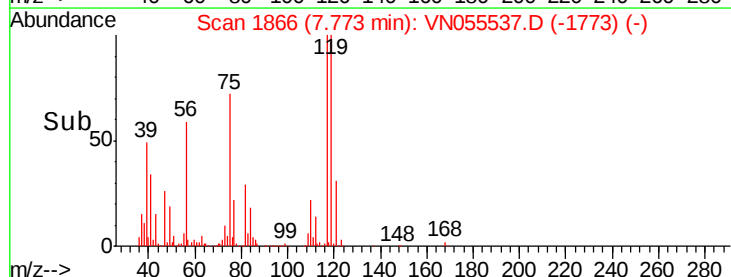
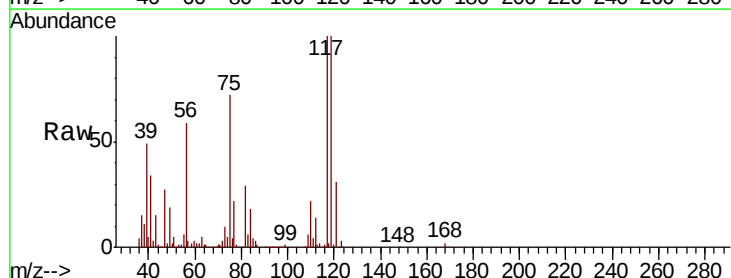
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

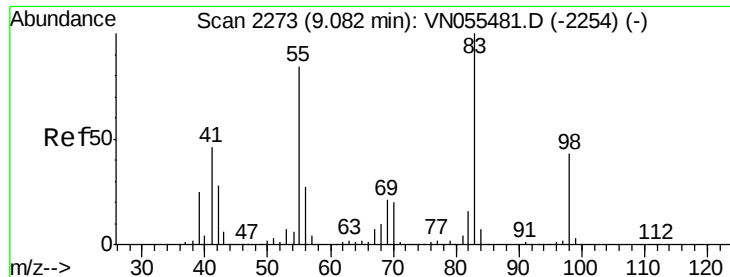
Tot Ion: 43 Resp: 602972
Ion Ratio Lower Upper
43 100
61 13.8 10.9 16.3
70 9.5 7.0 10.6



#38
Carbon Tetrachloride
Concen: 49.163 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 117 Resp: 515457
Ion Ratio Lower Upper
117 100
119 100.1 77.8 116.6
121 31.5 25.2 37.8

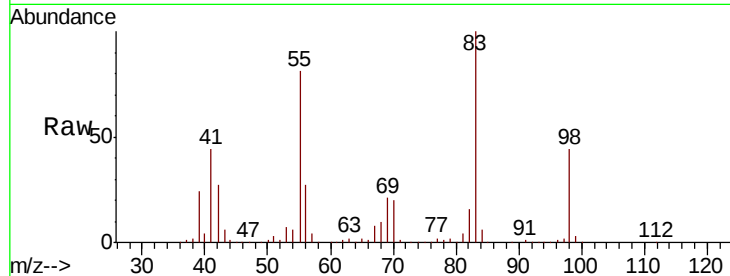




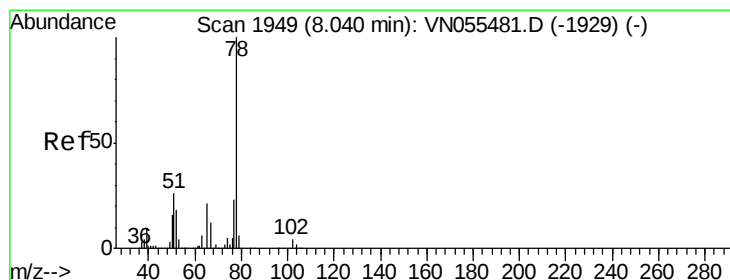
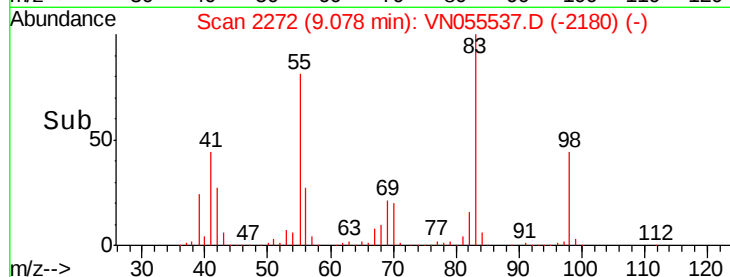
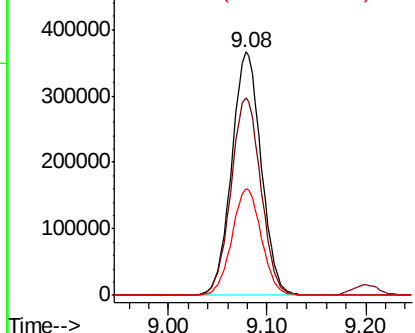
#39
Methvlcvclohexane
Concen: 50.137 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 761146
Ion Ratio Lower Upper
83 100
55 81.3 67.0 100.4
98 43.7 34.2 51.4

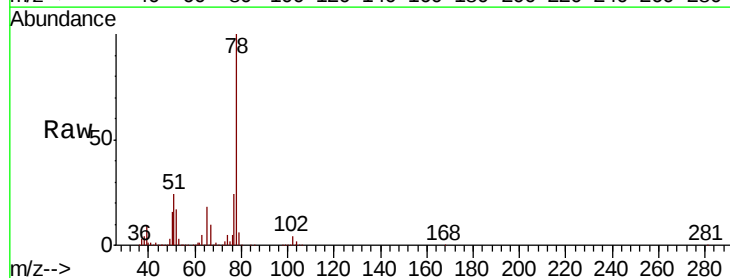


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

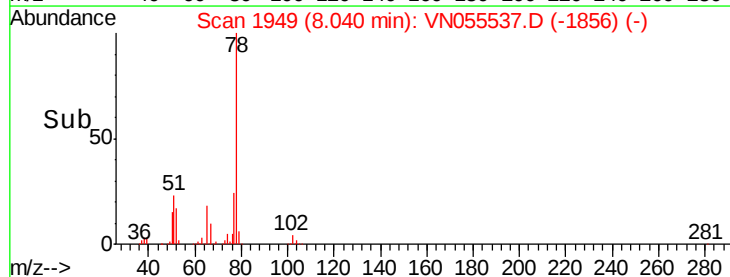
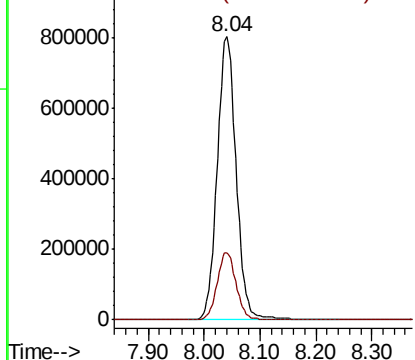


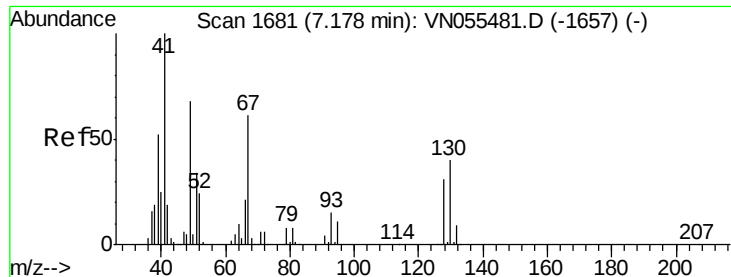
#40
Benzene
Concen: 49.181 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 78 Resp: 1900552
Ion Ratio Lower Upper
78 100
77 23.9 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

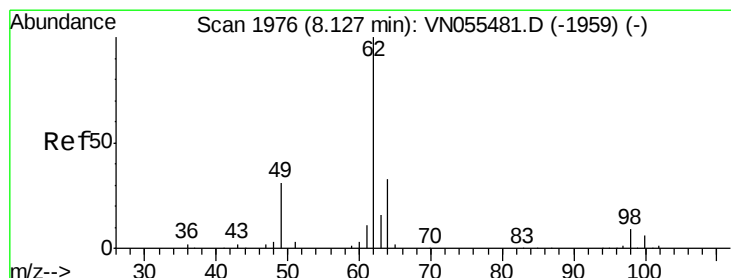
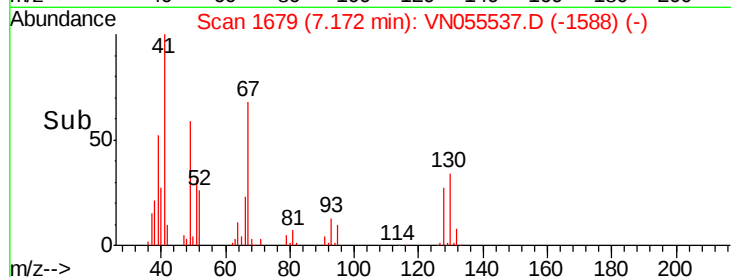
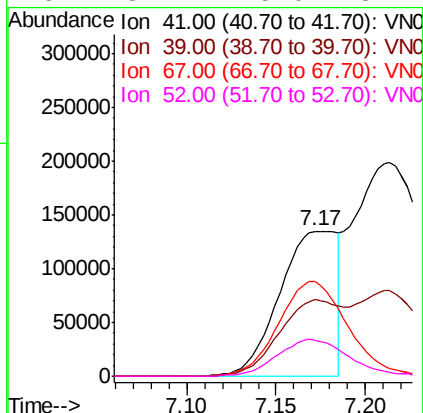
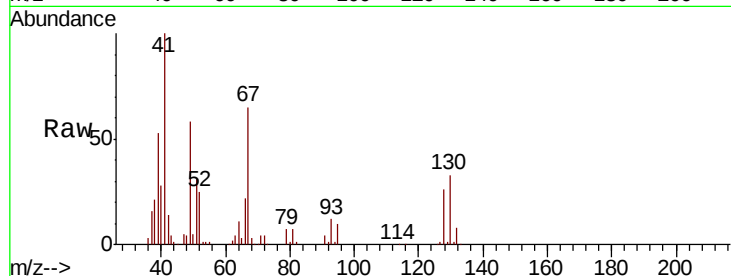




#41
Methacrylonitrile
Concen: 47.686 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

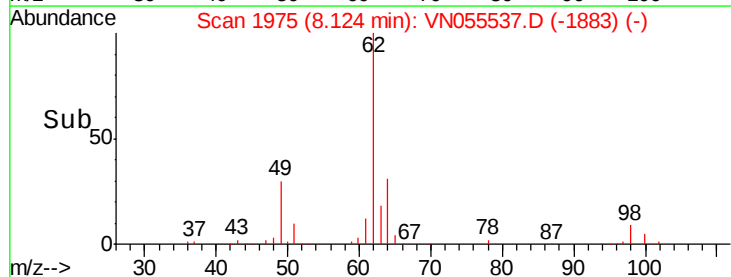
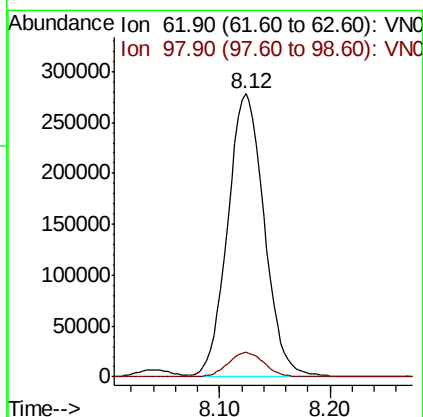
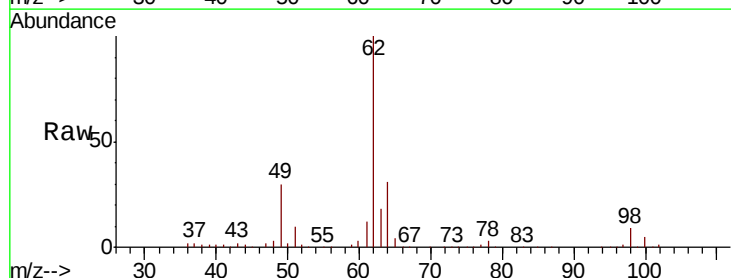
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

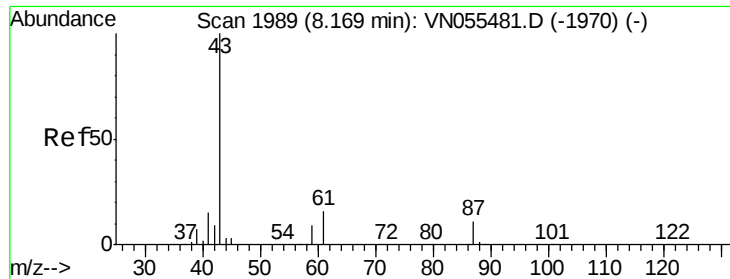
Tot Ion:	41	Resp:	300616
Ion	Ratio	Lower	Upper
41	100		
39	60.2	44.7	67.1
67	79.1	61.4	92.0
52	31.4	25.0	37.4



#42
1,2-Dichloroethane
Concen: 46.983 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion:	62	Resp:	637868
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.4





#43

Isopropyl Acetate

Concen: 46.448 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

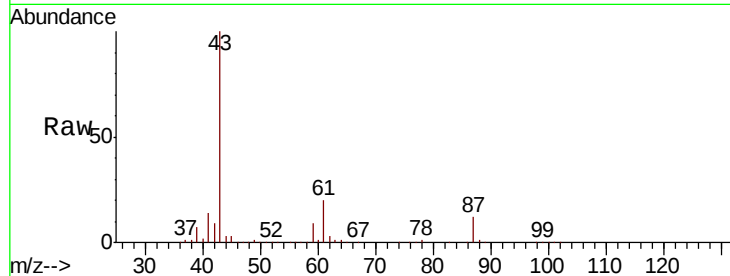
Tot Ion: 43 Resp: 958442

Ion Ratio Lower Upper

43 100

61 20.2 15.1 22.7

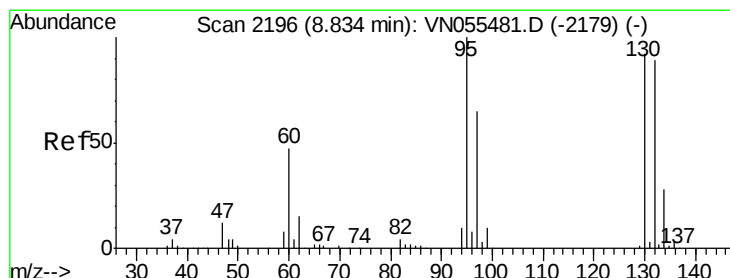
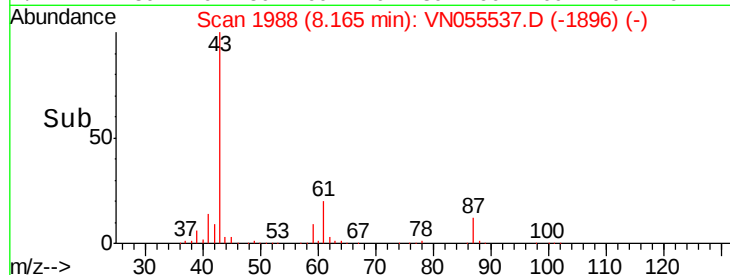
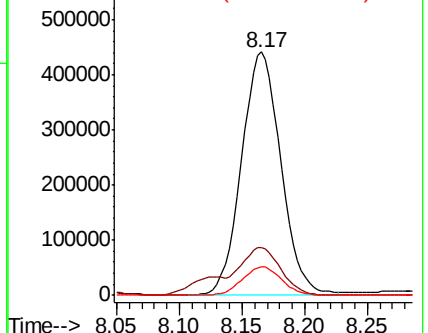
87 11.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055537.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN055537.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN055537.D (-2103) (-)



#44

Trichloroethene

Concen: 50.155 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055537.D

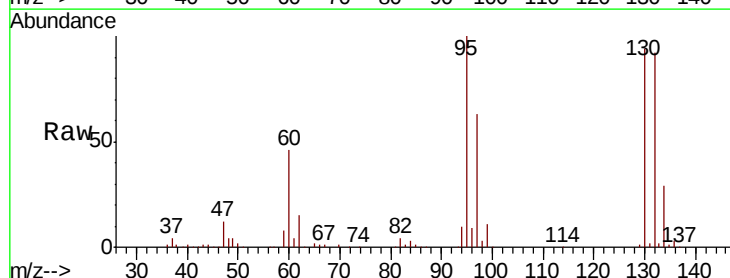
Acq: 10 May 2019 8:53

Tgt Ion: 130 Resp: 461175

Ion Ratio Lower Upper

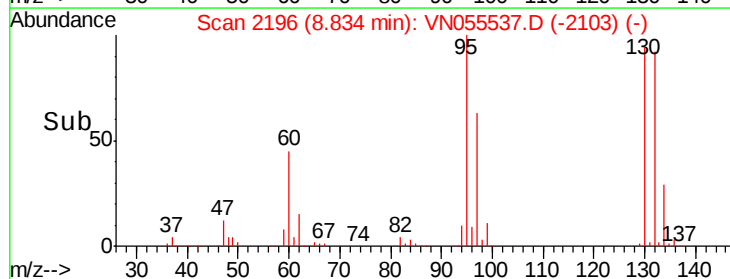
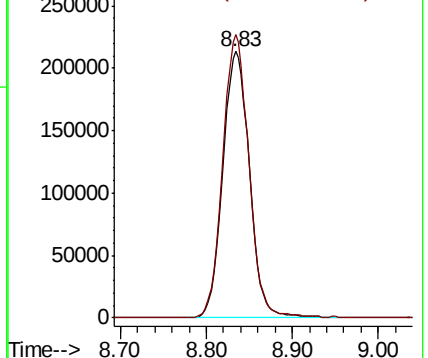
130 100

95 106.3 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055537.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055537.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 48.633 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

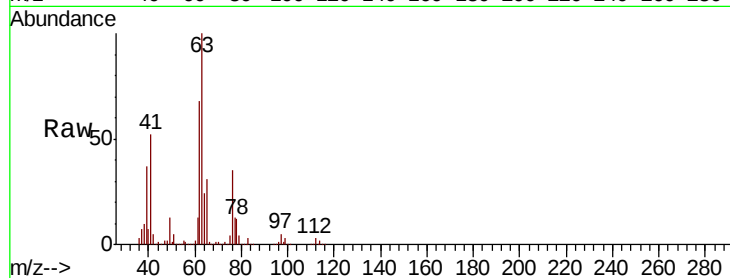
VSTDCCC050

Tot Ion: 63 Resp: 537730

Ion Ratio Lower Upper

63 100

65 31.3 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN055537.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055537.D (-2192) (-)

9.12

250000

200000

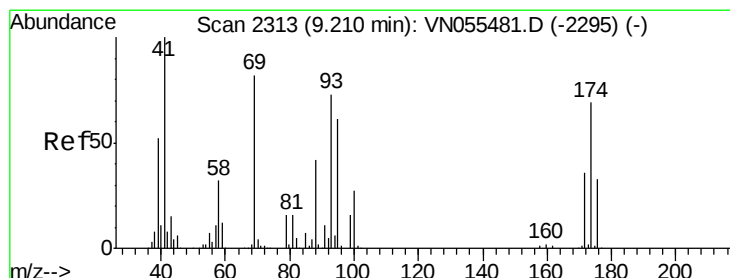
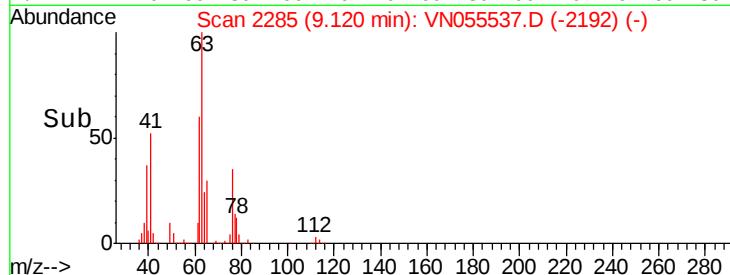
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 48.193 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

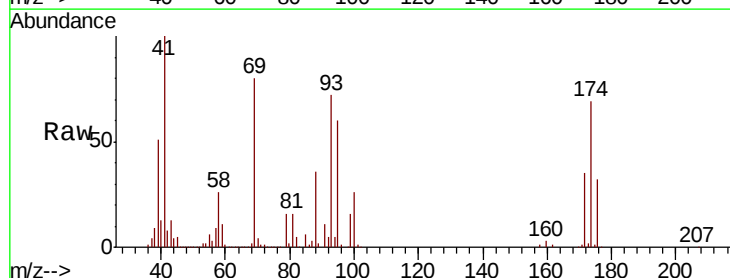
Tgt Ion: 93 Resp: 308869

Ion Ratio Lower Upper

93 100

95 82.8 64.8 97.2

174 93.6 75.0 112.6



Abundance Ion 92.80 (92.50 to 93.50): VN055537.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN055537.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN055537.D (-2220) (-)

9.21

200000

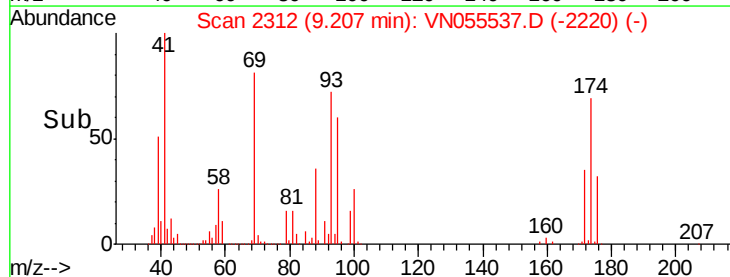
150000

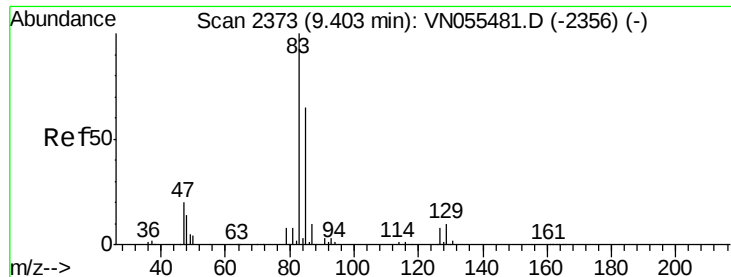
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 50.043 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

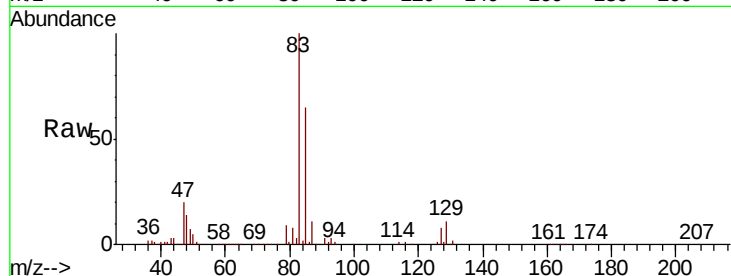
Tot Ion: 83 Resp: 613574

Ion Ratio Lower Upper

83 100

85 65.1 52.2 78.2

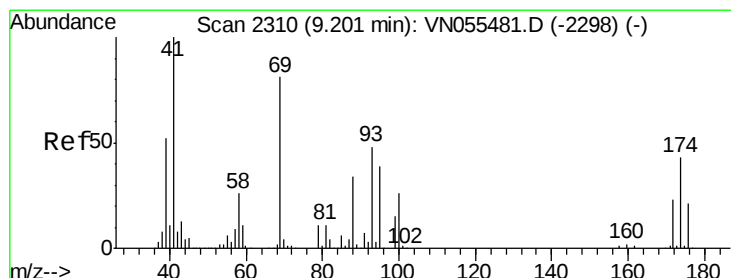
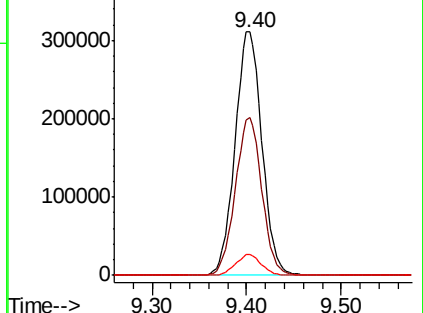
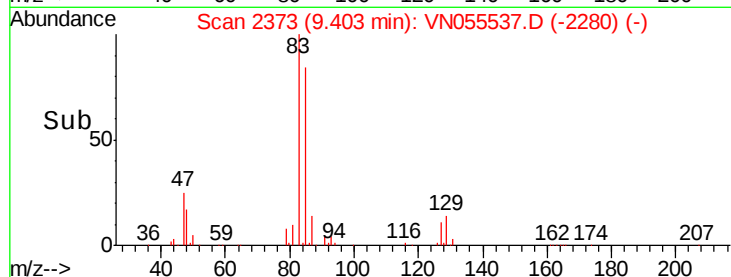
127 8.4 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055537.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055537.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055537.D (-2280) (-)



#48

Methyl methacrylate

Concen: 46.058 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

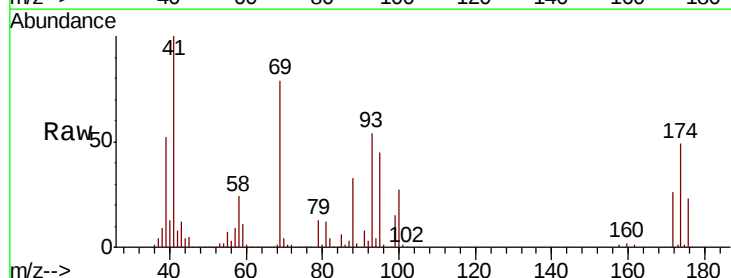
Tgt Ion: 41 Resp: 457911

Ion Ratio Lower Upper

41 100

69 82.0 64.2 96.2

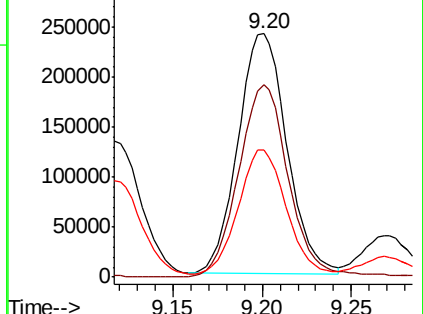
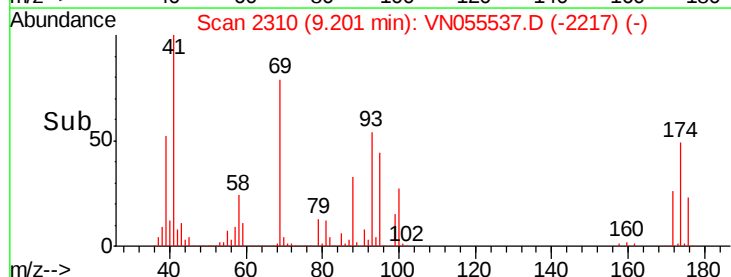
39 52.7 41.6 62.4

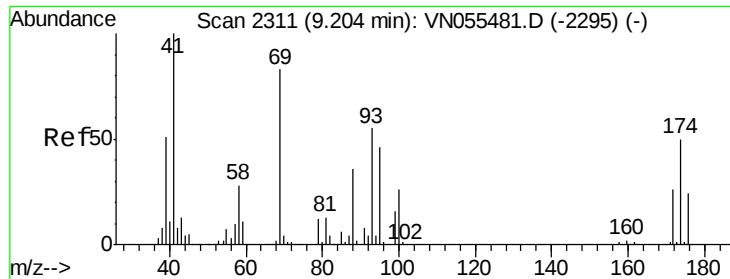


Abundance Ion 41.00 (40.70 to 41.70): VN055537.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055537.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055537.D (-2217) (-)

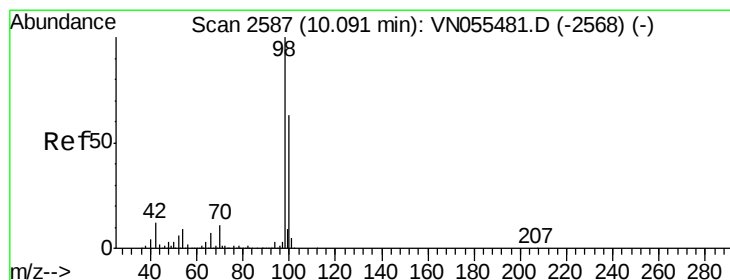
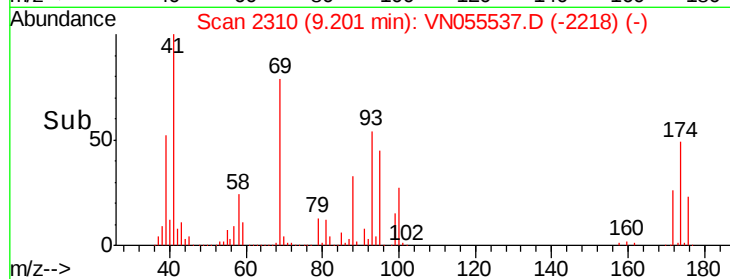
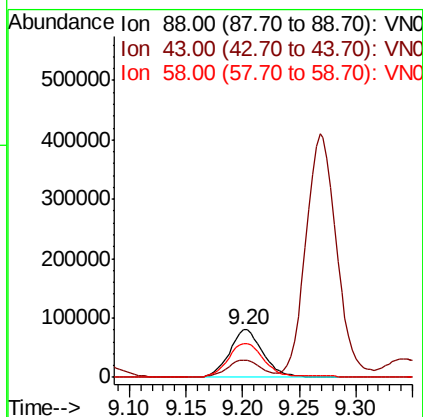
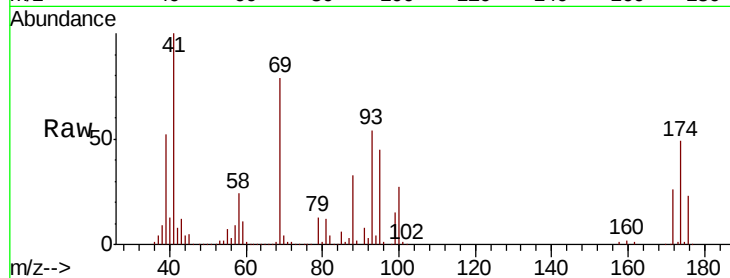




#49
 1,4-Dioxane
 Concen: 864.793 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

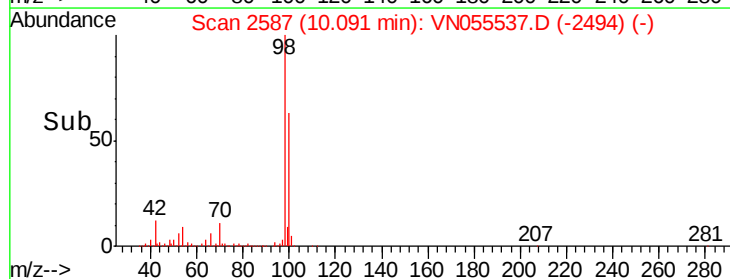
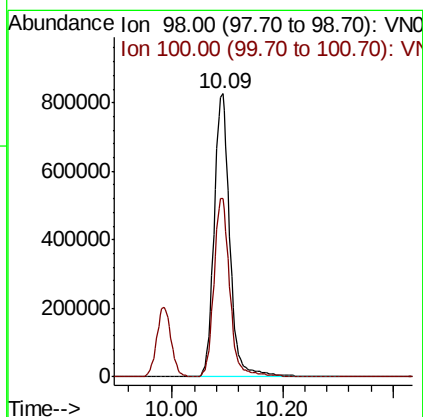
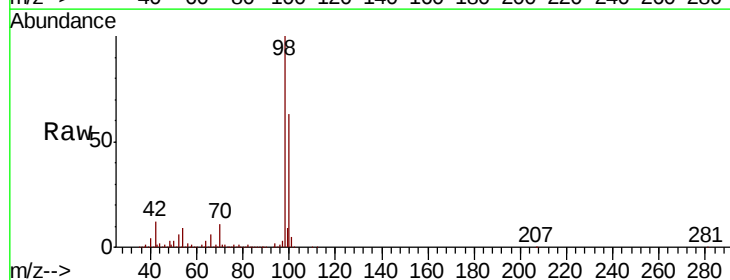
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

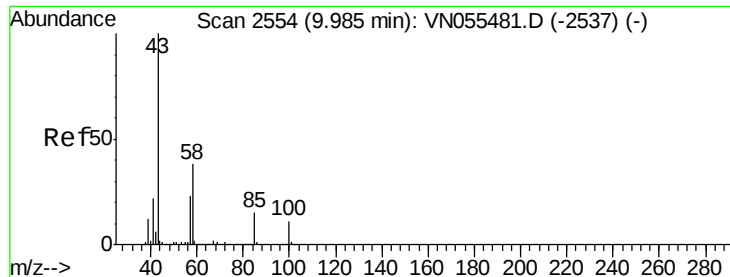
Tot Ion: 88 Resp: 167574
 Ion Ratio Lower Upper
 88 100
 43 33.8 27.8 41.8
 58 75.6 61.8 92.6



#50
 Toluene-d8
 Concen: 51.239 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion: 98 Resp: 1627948
 Ion Ratio Lower Upper
 98 100
 100 64.0 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 218.639 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

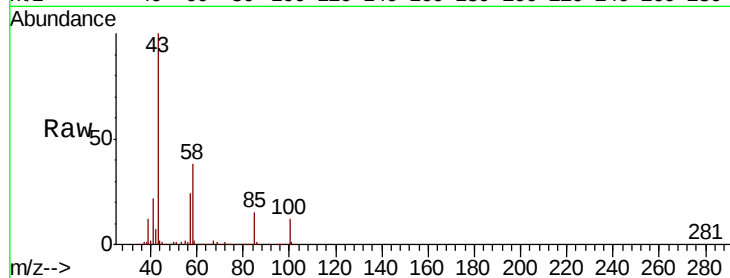
VSTDCCC050

Tot Ion: 43 Resp: 2967204

Ion Ratio Lower Upper

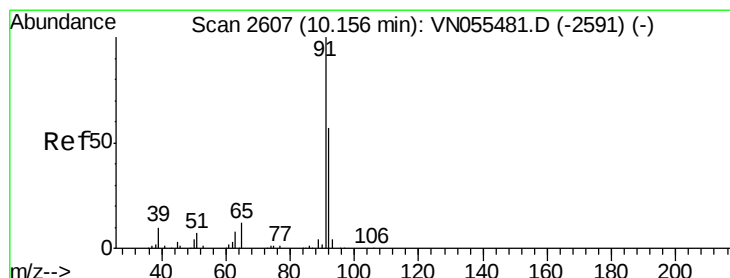
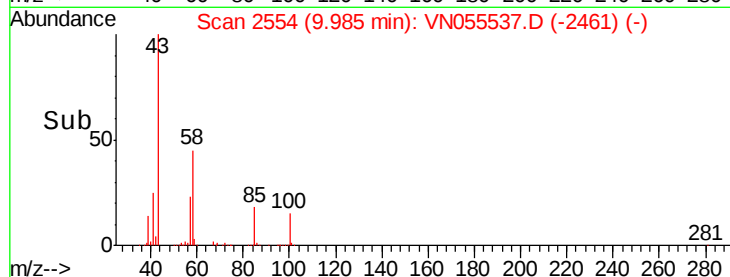
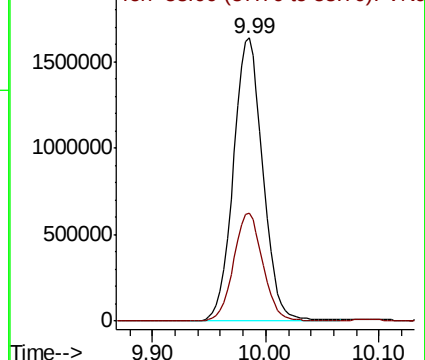
43 100

58 38.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.331 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055537.D

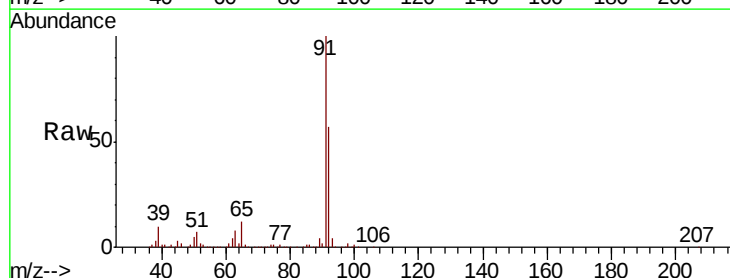
Acq: 10 May 2019 8:53

Tgt Ion: 92 Resp: 1111927

Ion Ratio Lower Upper

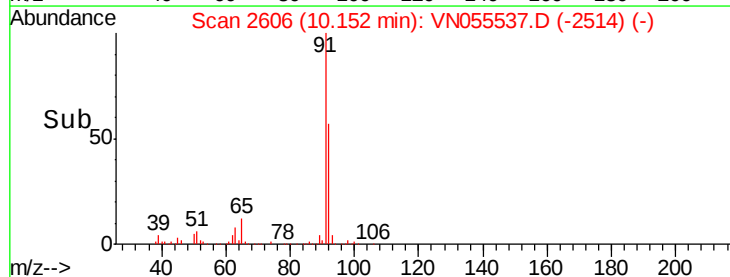
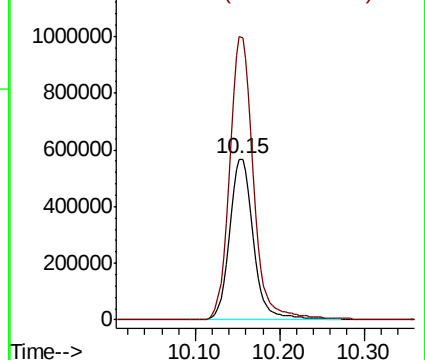
92 100

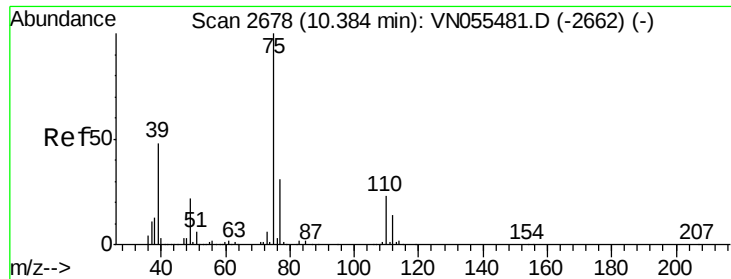
91 177.0 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 52.918 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

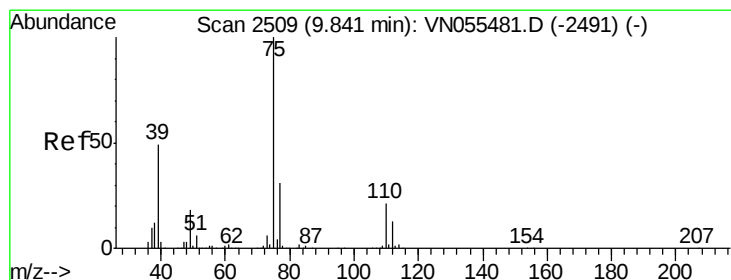
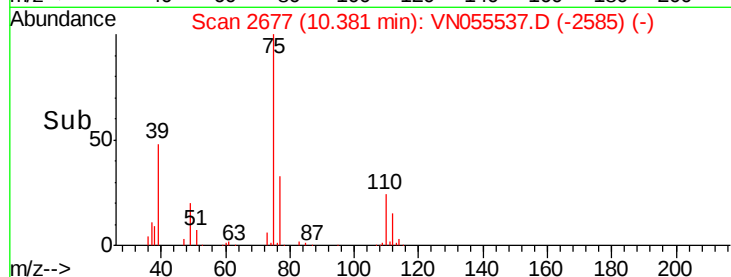
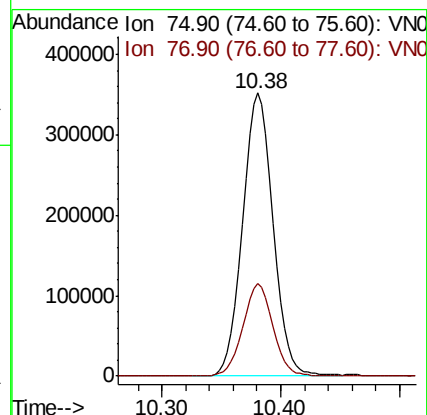
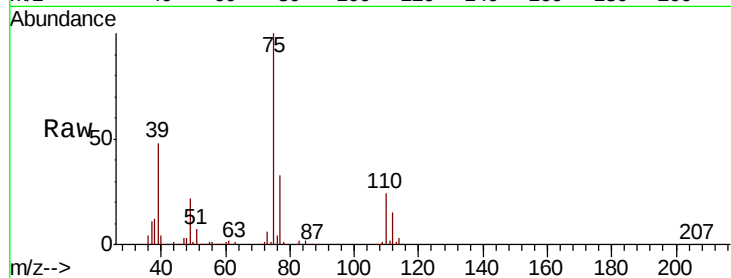
VSTDCCC050

Tot Ion: 75 Resp: 623150

Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 53.320 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

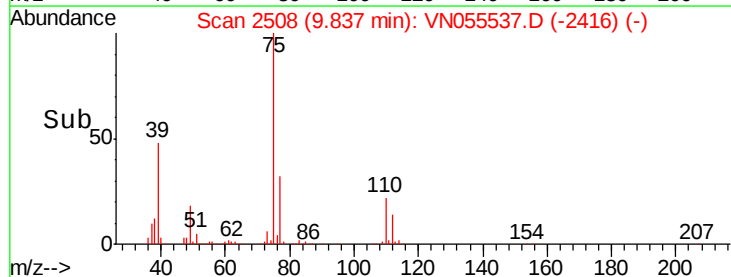
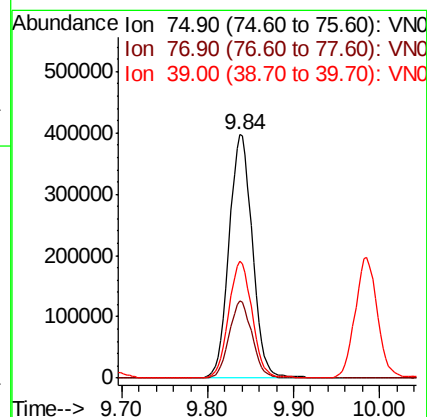
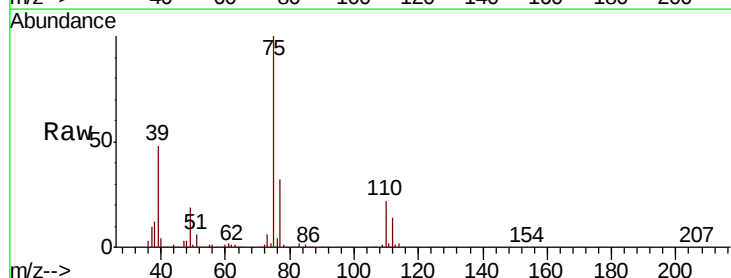
Tgt Ion: 75 Resp: 750276

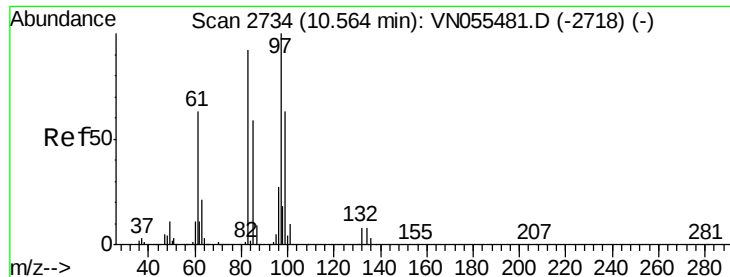
Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6

39 48.0 39.5 59.3

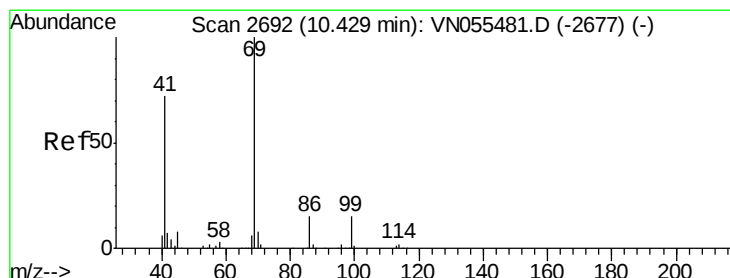
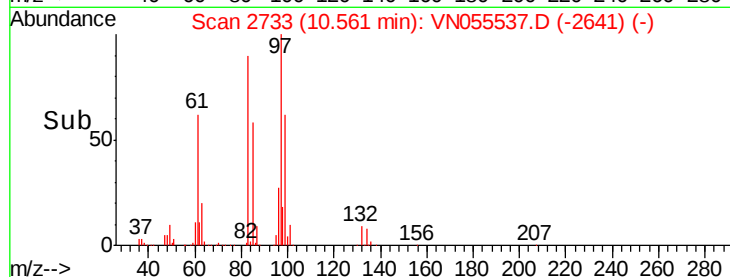
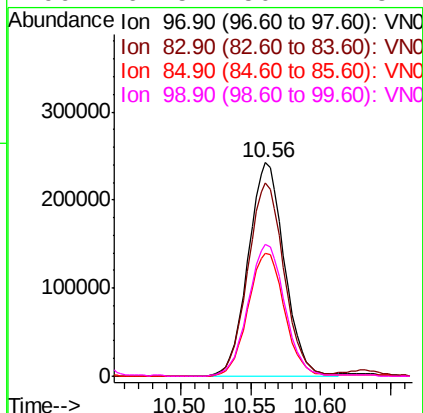
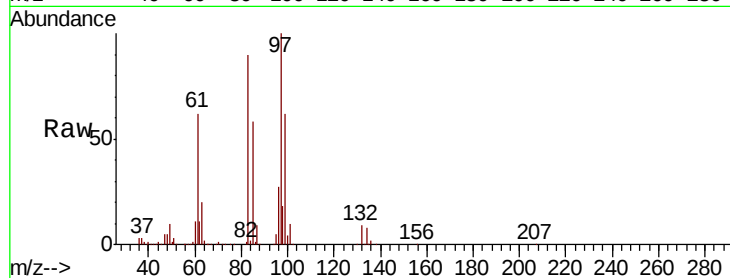




#55
 1,1,2-Trichloroethane
 Concen: 48.690 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

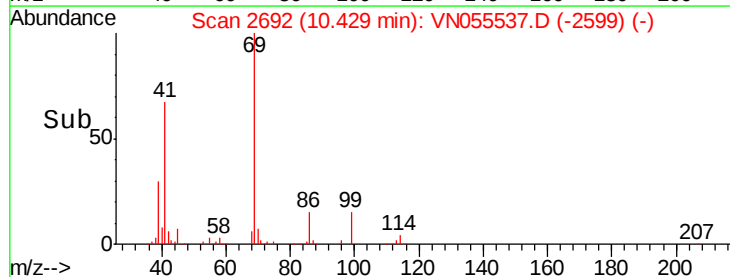
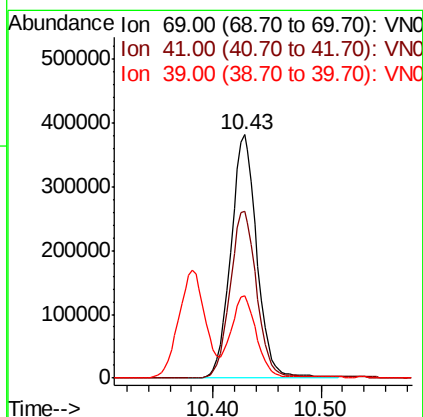
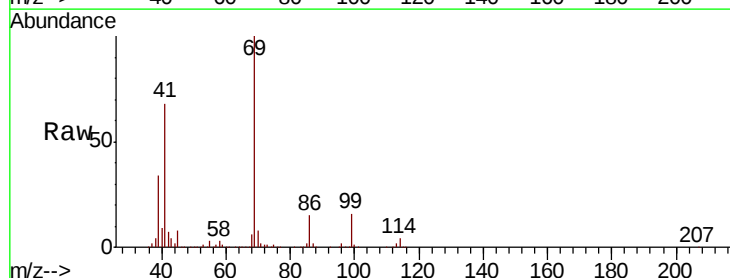
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

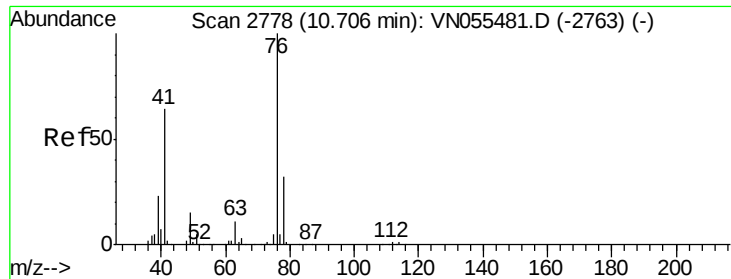
Tot Ion:	97	Resp:	435829
Ion	Ratio	Lower	Upper
97	100		
83	90.2	73.2	109.8
85	57.8	47.5	71.3
99	61.5	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 48.396 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion:	69	Resp:	644352
Ion	Ratio	Lower	Upper
69	100		
41	69.1	56.2	84.2
39	32.7	27.8	41.6





#57

1,3-Dichloropropane

Concen: 49.095 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

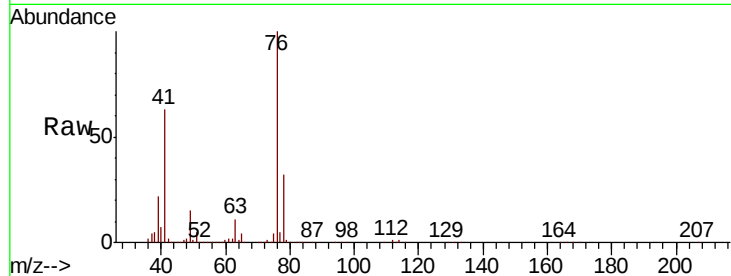
VSTDCCC050

Tot Ion: 76 Resp: 780182

Ion Ratio Lower Upper

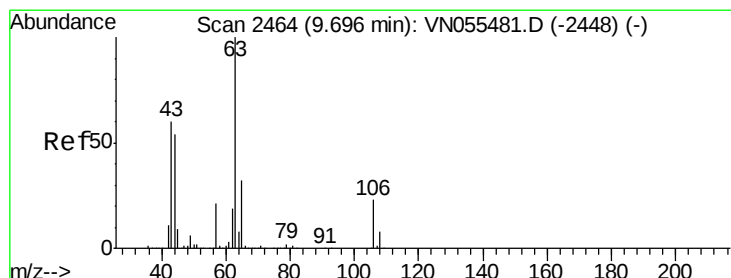
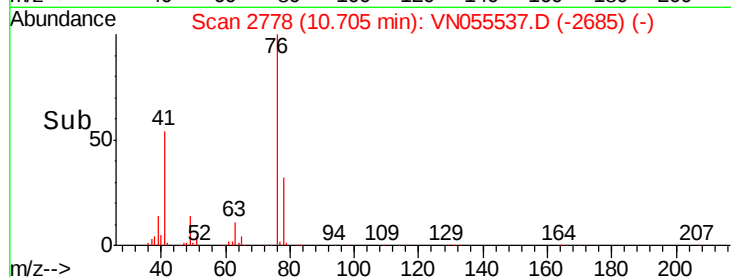
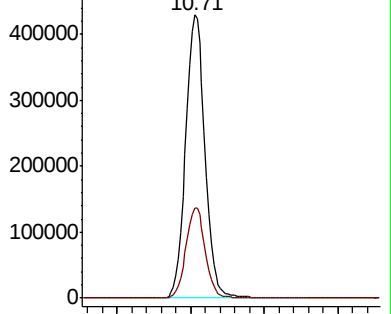
76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN055481.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN055481.D (-2763) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 188.375 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055537.D

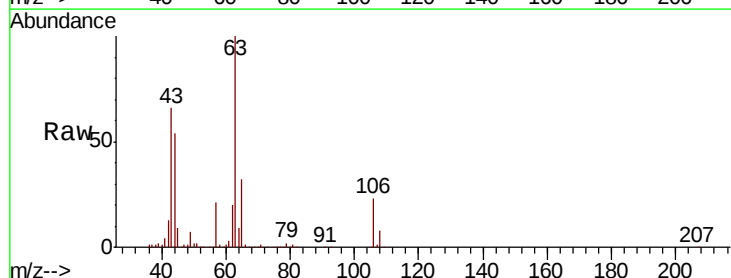
Acq: 10 May 2019 8:53

Tgt Ion: 63 Resp: 829748

Ion Ratio Lower Upper

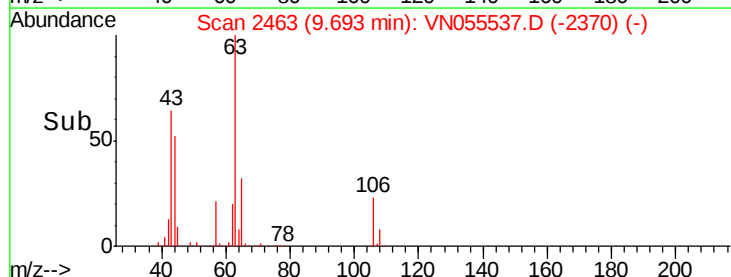
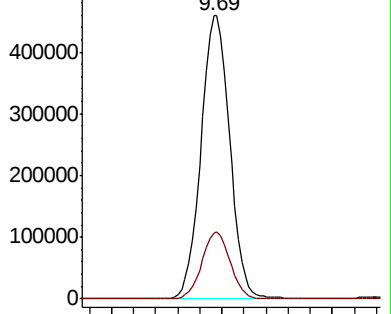
63 100

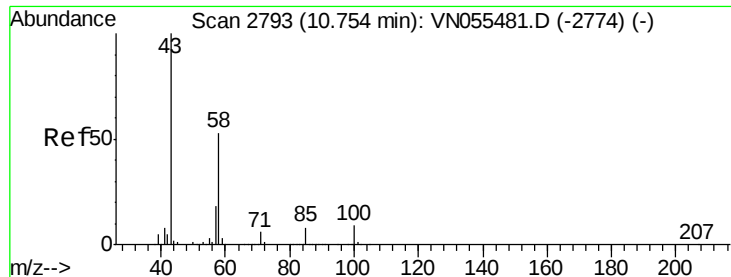
106 23.2 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN055481.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN055481.D (-2448) (-)

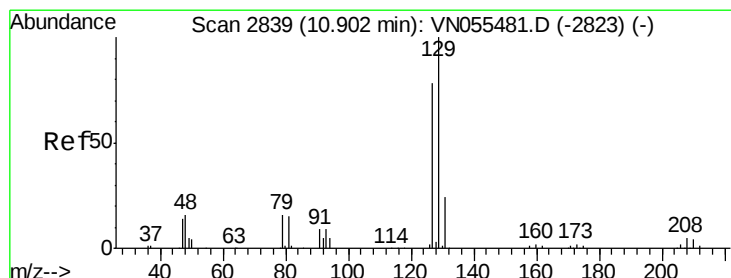
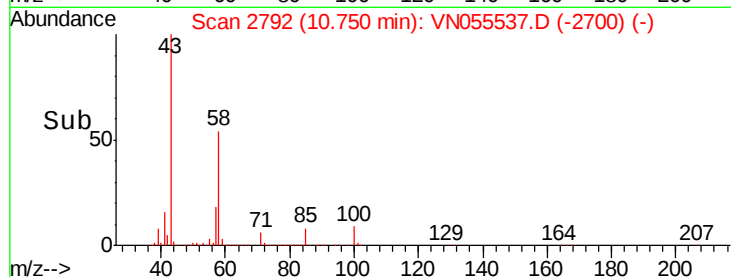
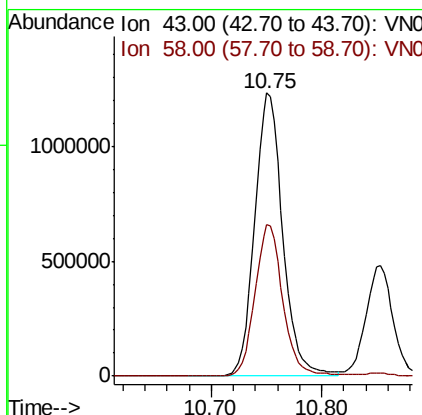
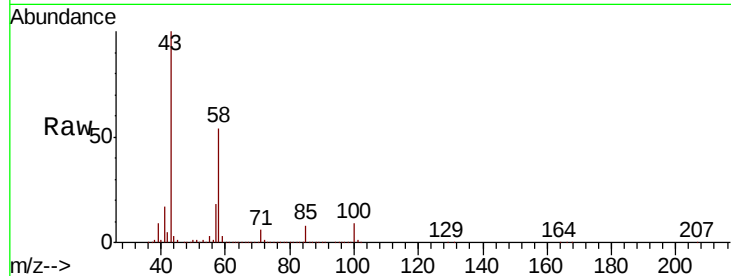




#59
2-Hexanone
Concen: 227.260 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

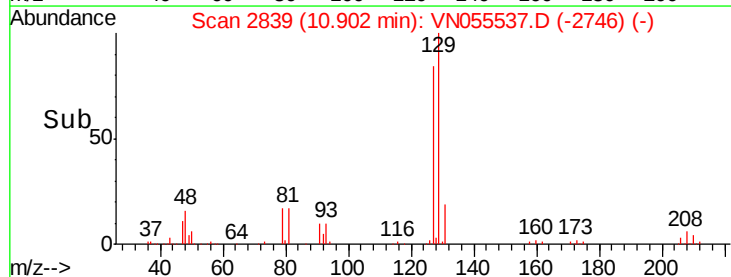
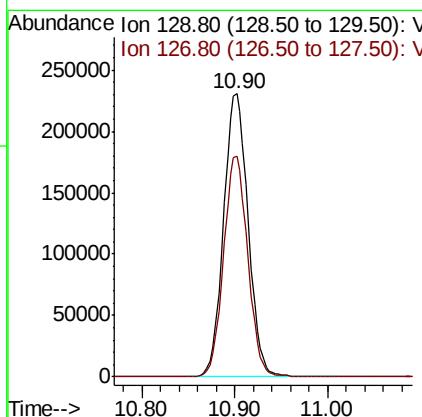
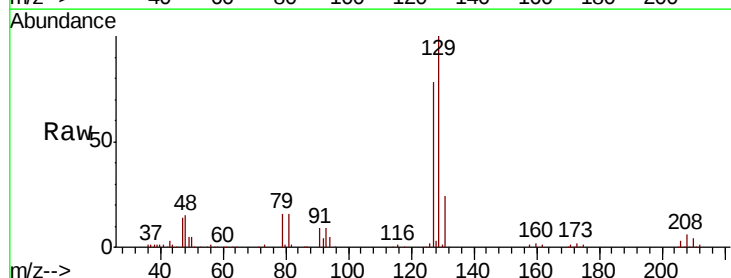
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

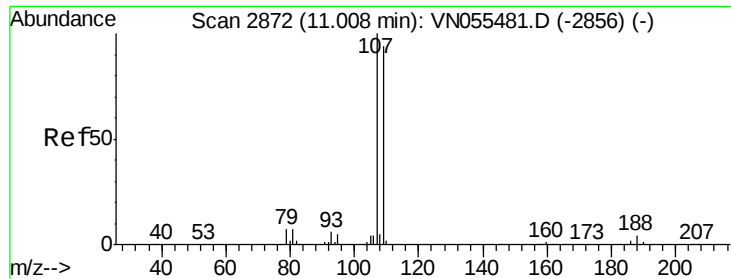
Tot Ion: 43 Resp: 2162958
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0



#60
Dibromochloromethane
Concen: 51.961 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 129 Resp: 422879
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.429 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

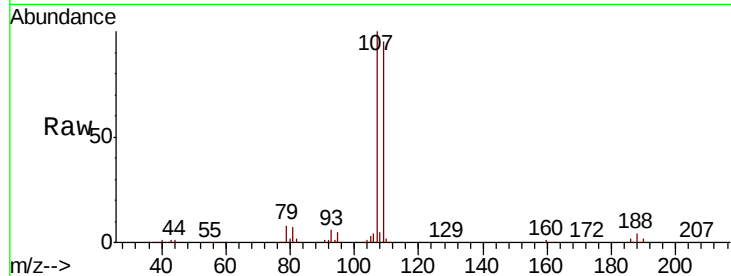
VSTDCCC050

Tot Ion:107 Resp: 425105

Ion Ratio Lower Upper

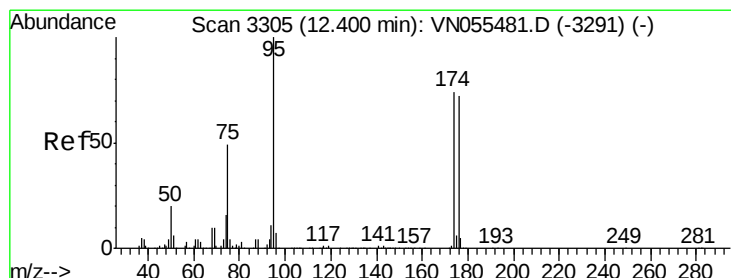
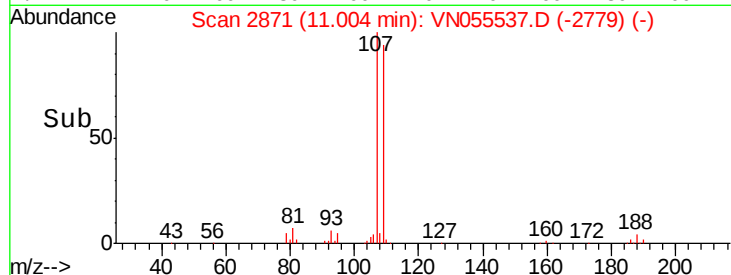
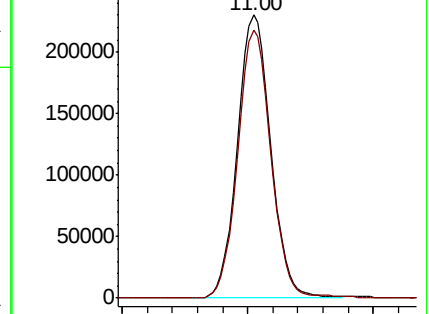
107 100

109 94.7 74.2 111.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.581 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

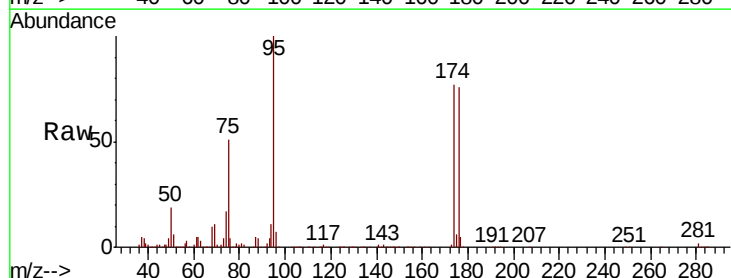
Tgt Ion: 95 Resp: 552582

Ion Ratio Lower Upper

95 100

174 77.8 0.0 152.2

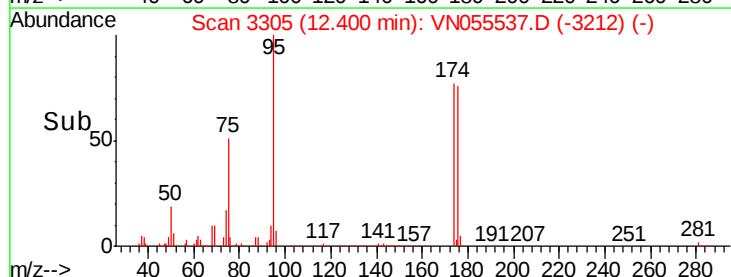
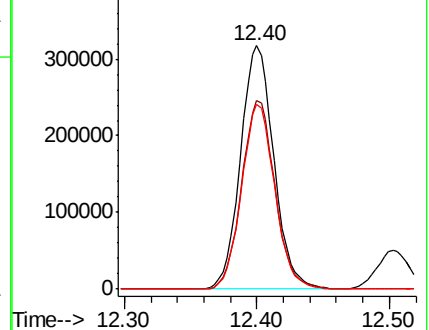
176 75.8 0.0 147.8

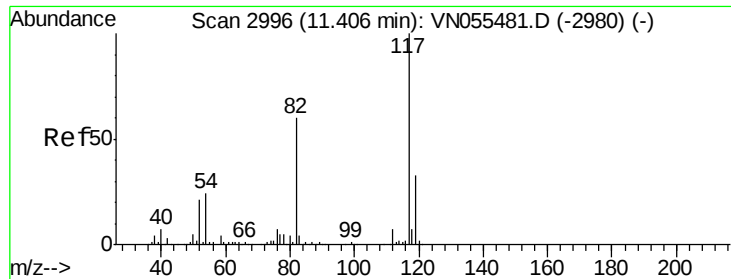


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

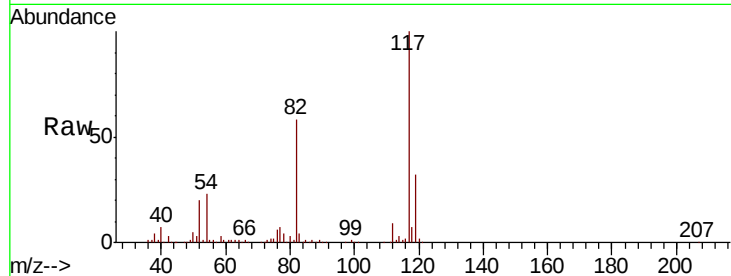




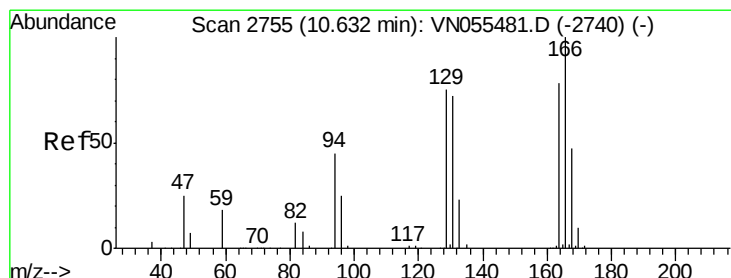
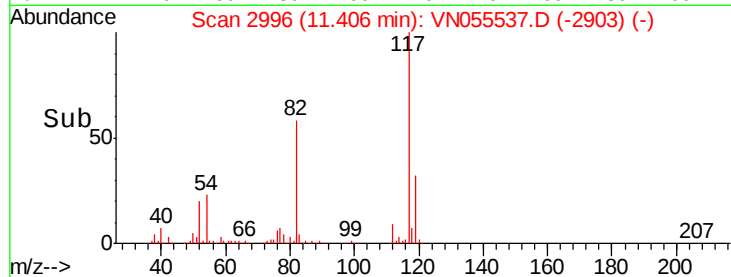
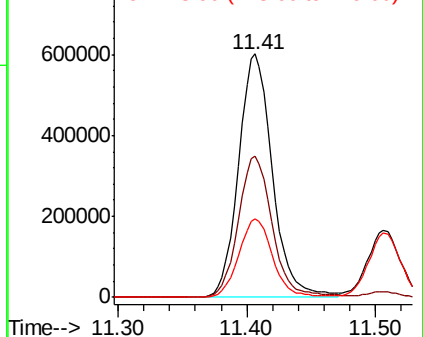
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1098912
Ion Ratio Lower Upper
117 100
82 58.0 48.0 72.0
119 32.4 26.0 39.0

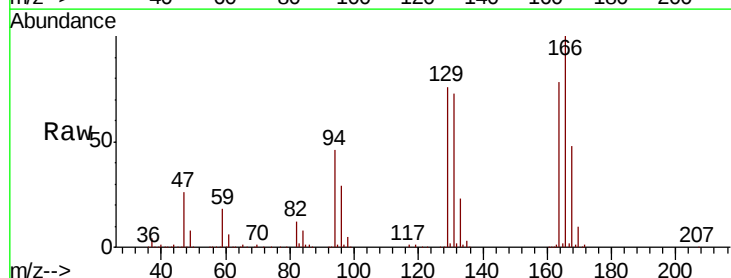


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

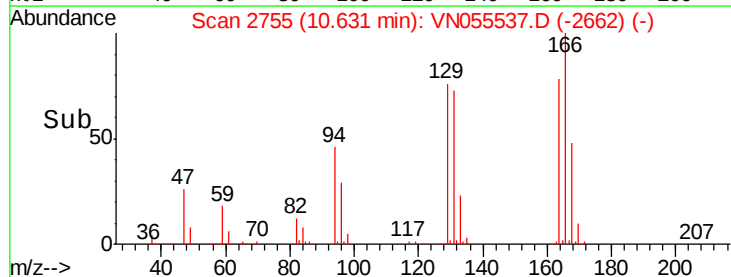
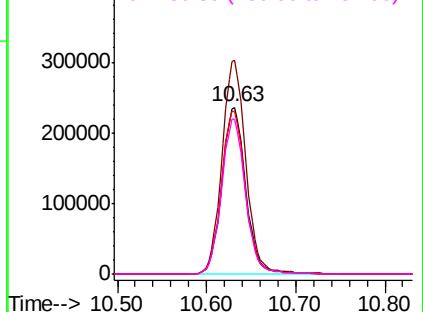


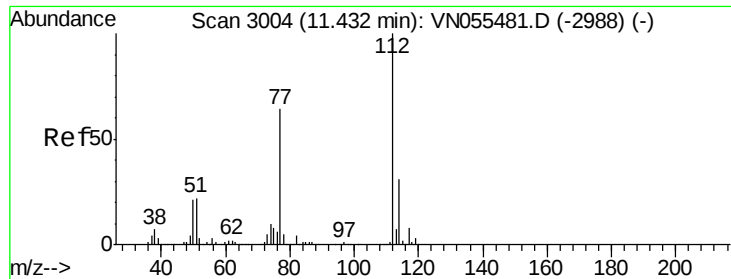
#64
Tetrachloroethene
Concen: 48.635 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion:164 Resp: 437932
Ion Ratio Lower Upper
164 100
166 128.1 102.6 153.8
129 97.6 77.0 115.6
131 93.2 73.7 110.5



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: 50.195 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

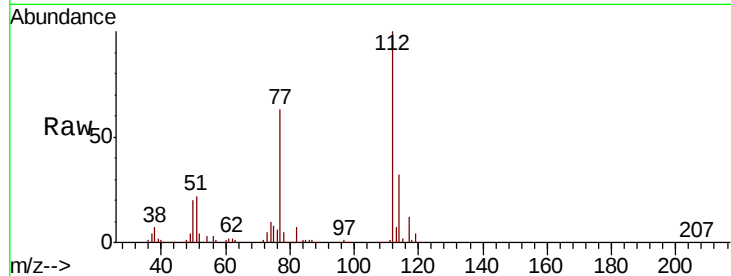
VSTDCCC050

Tot Ion:112 Resp: 1134841

Ion Ratio Lower Upper

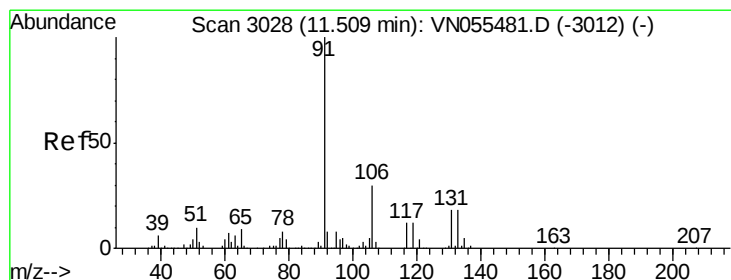
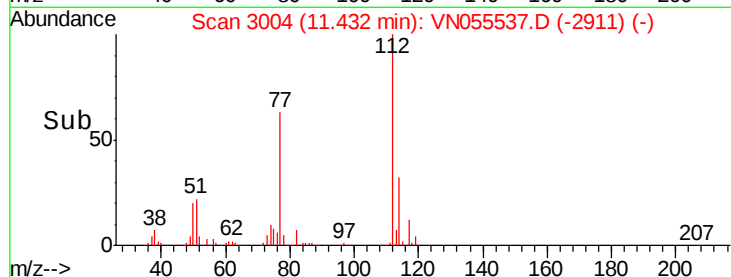
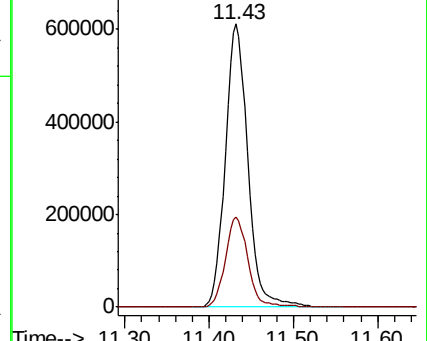
112 100

114 32.0 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.825 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

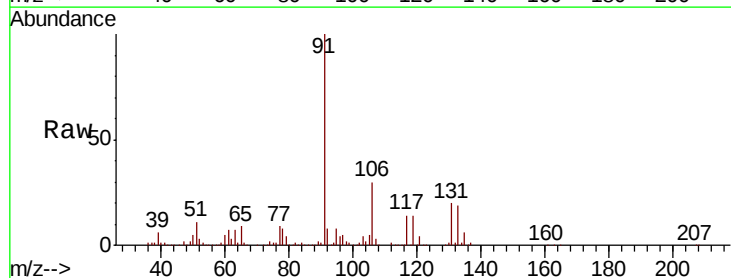
Tgt Ion:131 Resp: 403373

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.2

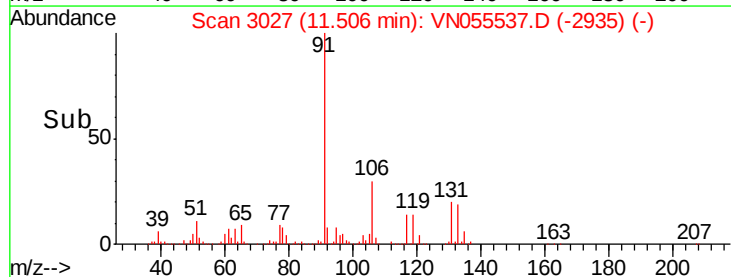
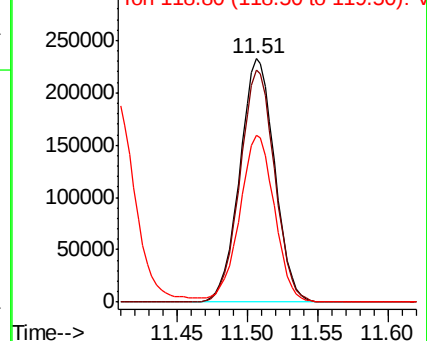
119 68.4 34.1 102.2

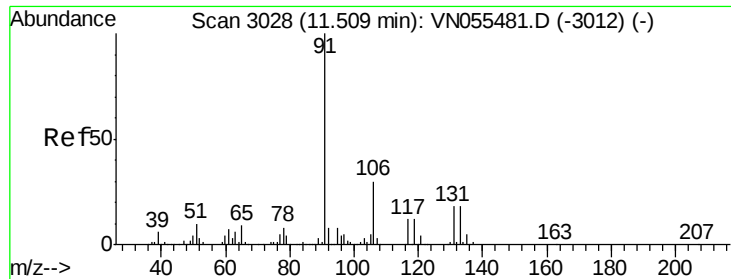


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

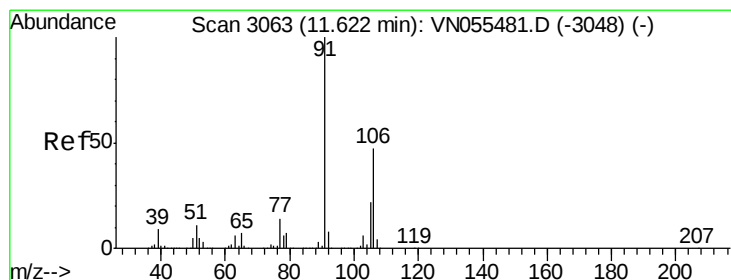
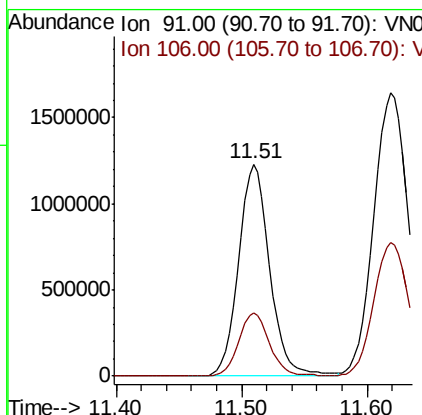
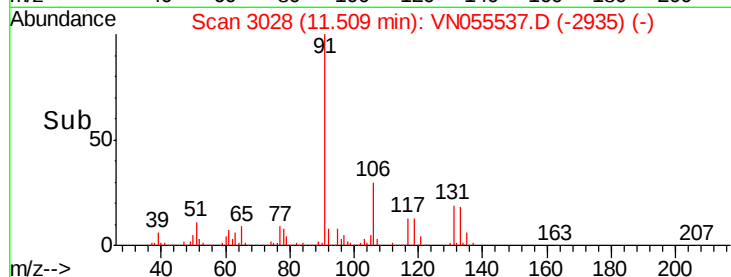
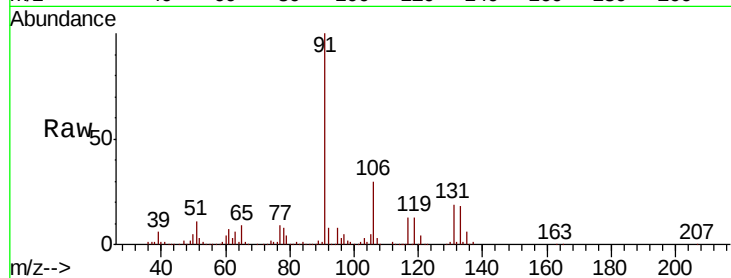




#67
Ethyl Benzene
Concen: 49.945 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

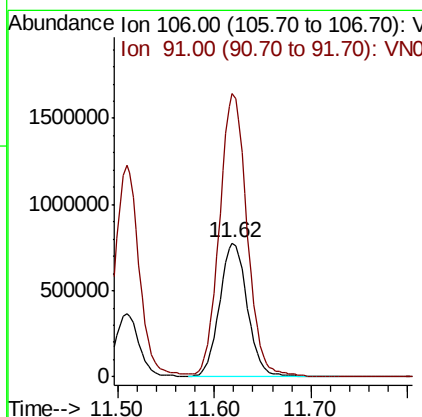
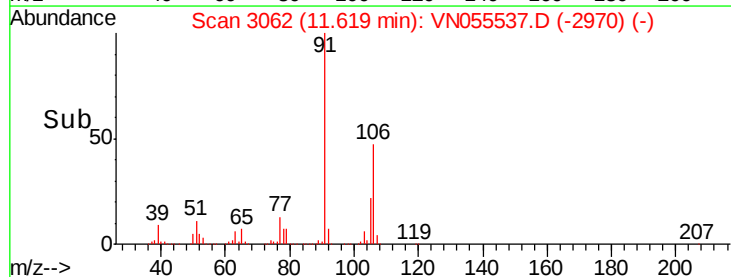
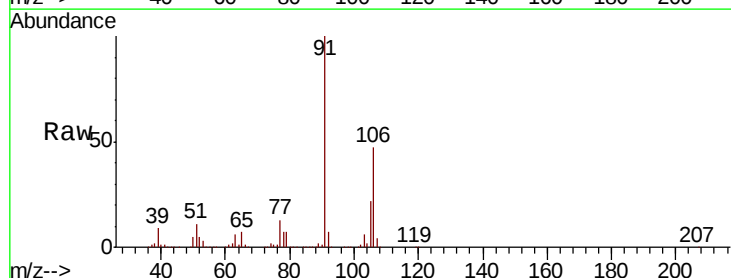
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

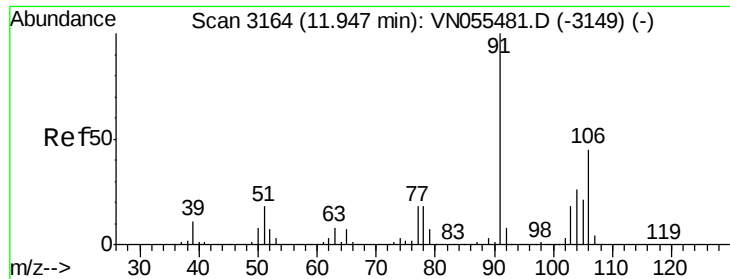
Tot Ion: 91 Resp: 2120775
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6



#68
m/p-Xylenes
Concen: 102.209 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 106 Resp: 1557505
Ion Ratio Lower Upper
106 100
91 210.1 169.2 253.8

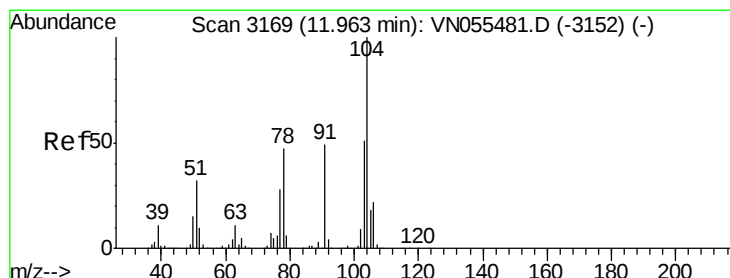
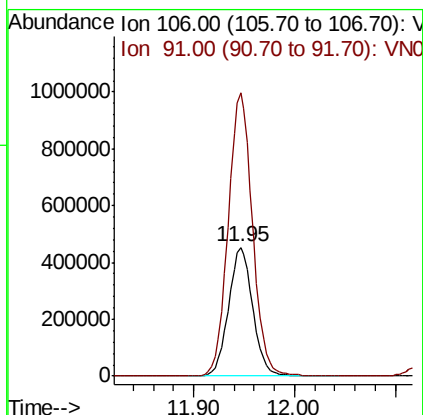
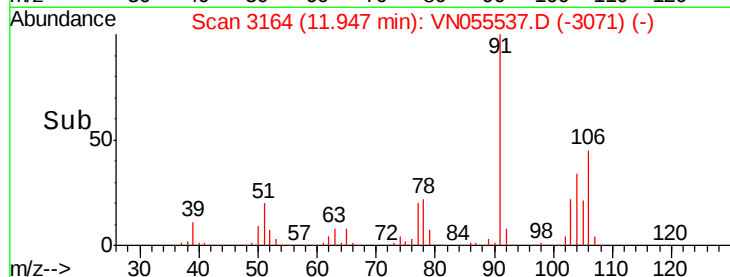
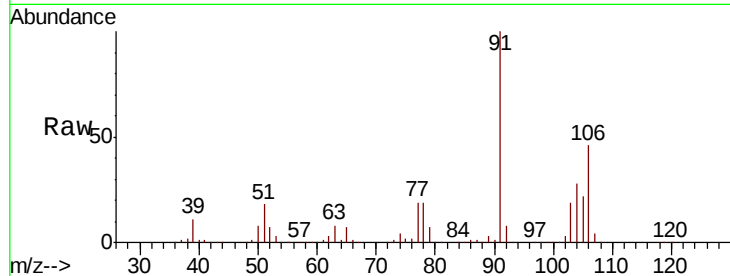




#69
o-Xylene
Concen: 50.629 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

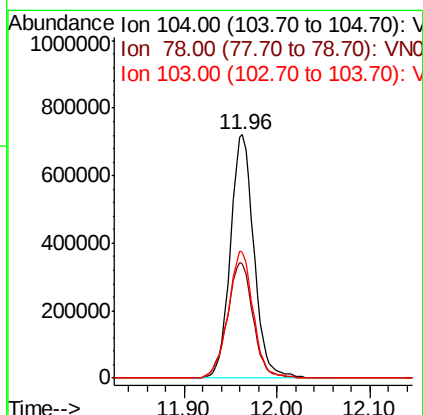
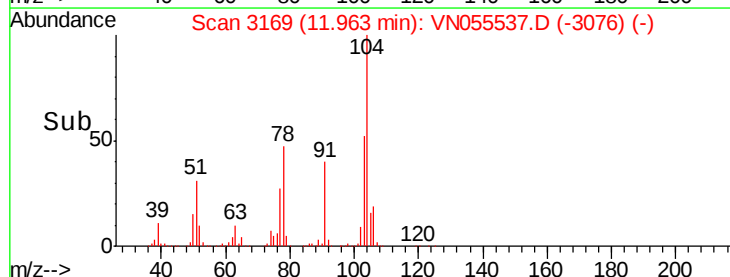
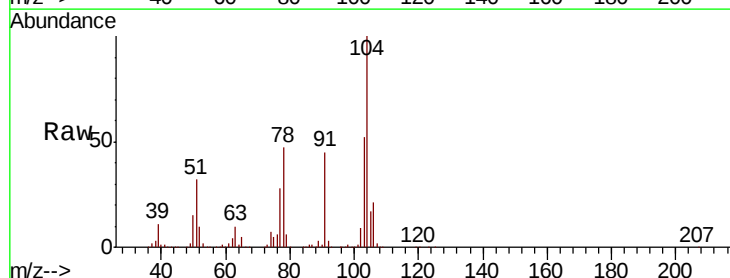
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

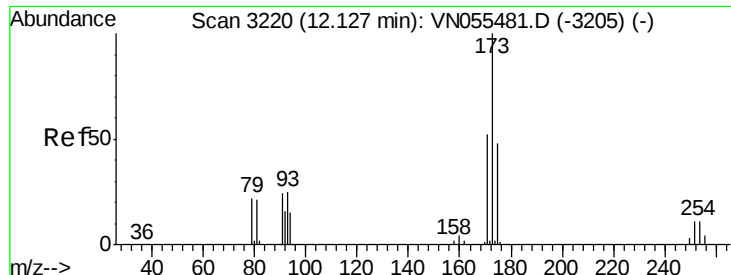
Tot Ion:106 Resp: 758303
Ion Ratio Lower Upper
106 100
91 221.1 111.3 333.8



#70
Styrene
Concen: 52.820 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion:104 Resp: 1267449
Ion Ratio Lower Upper
104 100
78 52.2 41.6 62.4
103 55.6 44.4 66.6





#71

Bromoform

Concen: 51.824 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

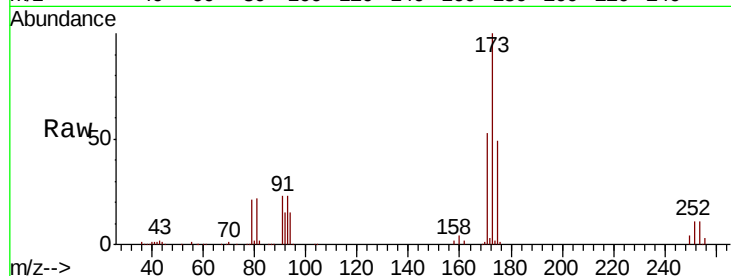
Tot Ion:173 Resp: 272192

Ion Ratio Lower Upper

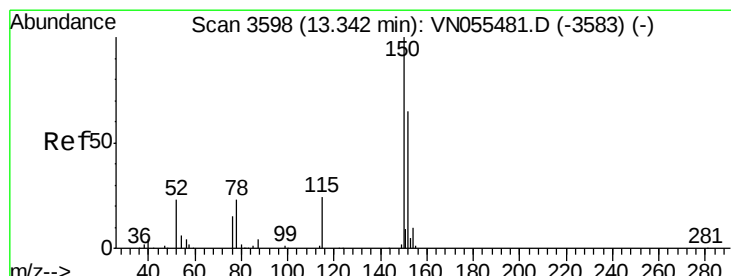
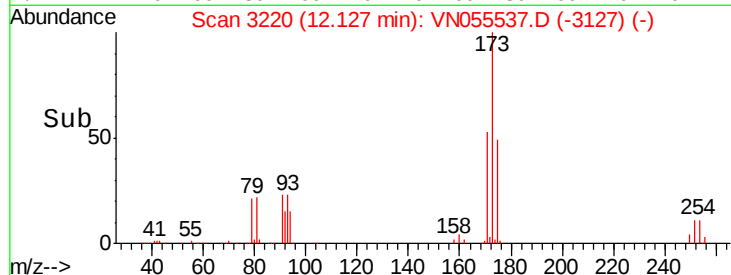
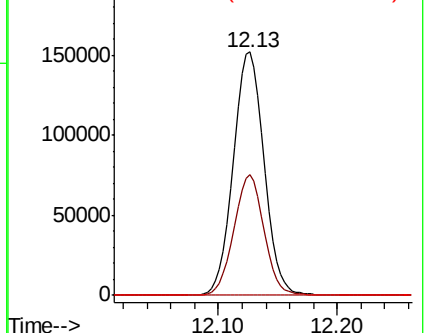
173 100

175 48.4 24.1 72.4

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

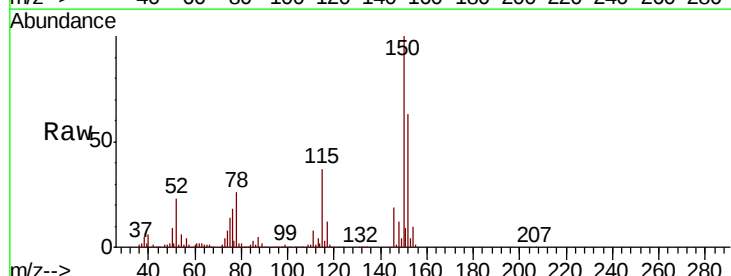
Tgt Ion:152 Resp: 465785

Ion Ratio Lower Upper

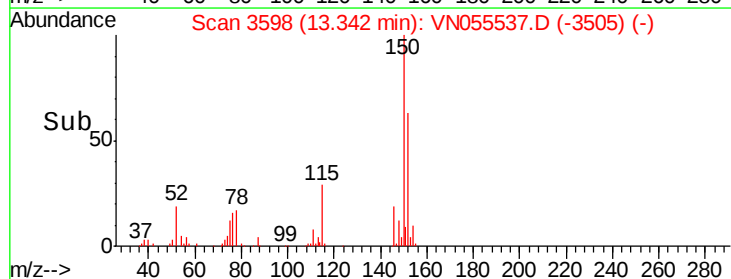
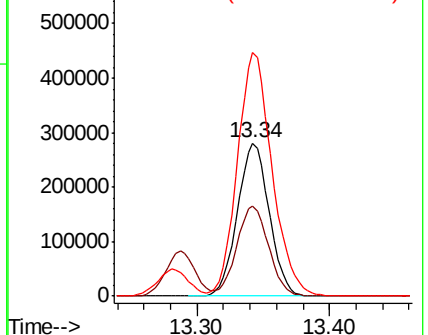
152 100

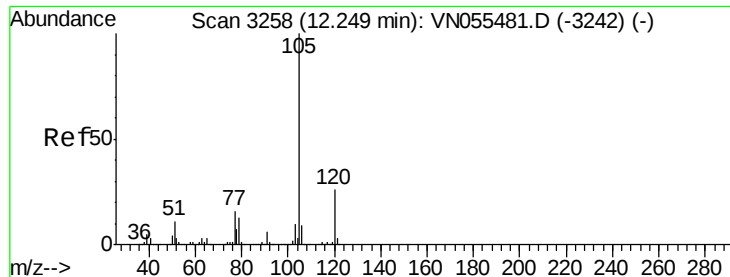
115 58.9 30.1 90.5

150 174.0 0.0 355.0



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: 52.696 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

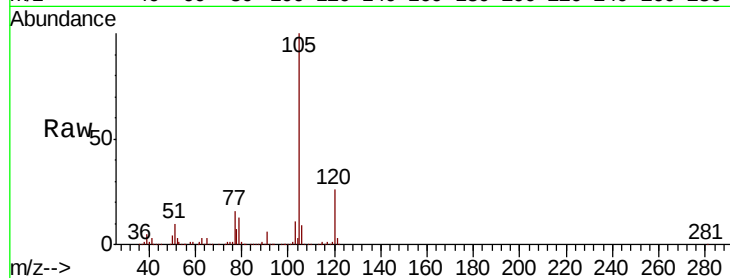
VSTDCCC050

Tot Ion:105 Resp: 2018693

Ion Ratio Lower Upper

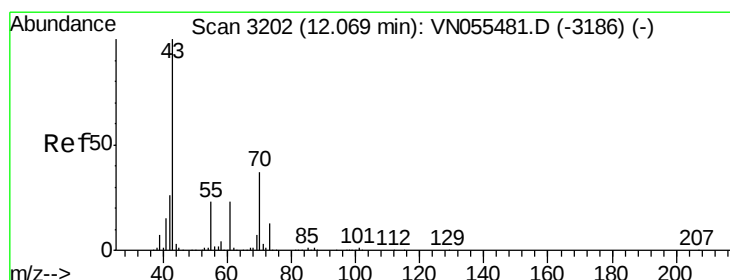
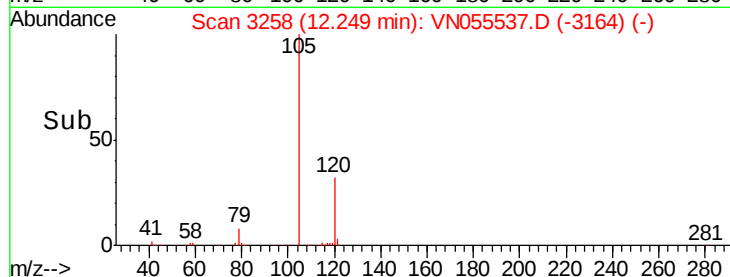
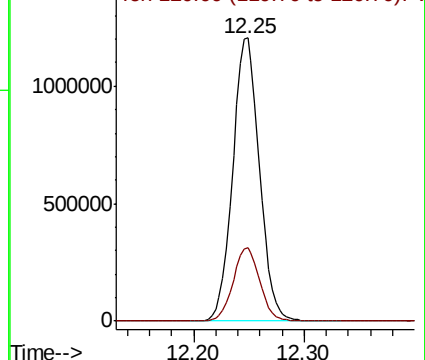
105 100

120 25.9 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.883 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion: 43 Resp: 776019

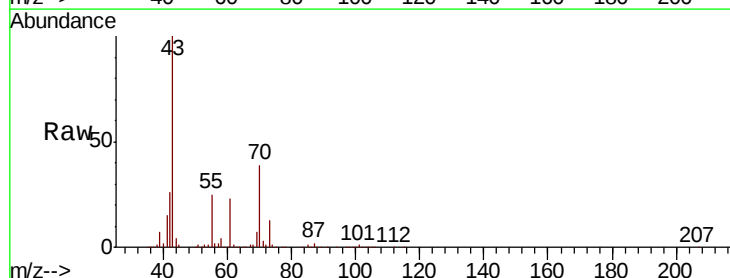
Ion Ratio Lower Upper

43 100

70 39.3 30.7 46.1

55 25.0 19.3 28.9

61 23.6 18.6 27.8

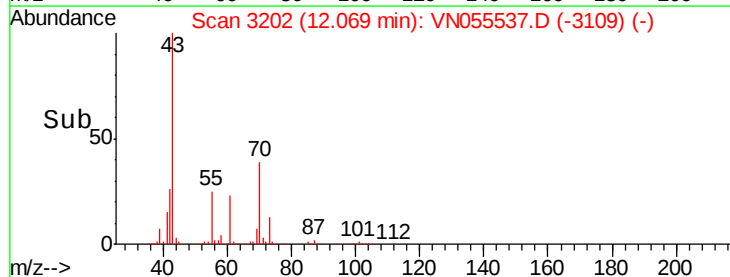
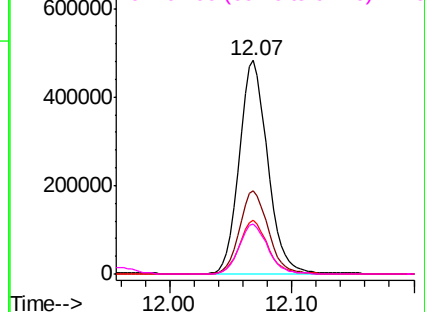


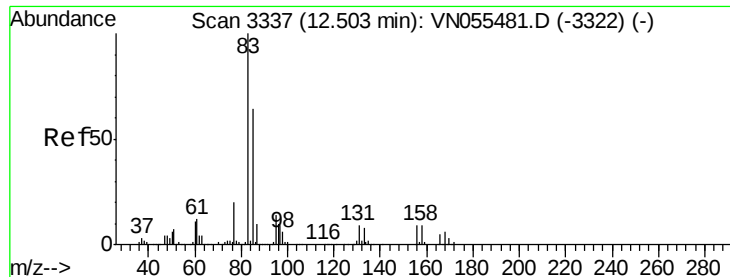
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.405 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

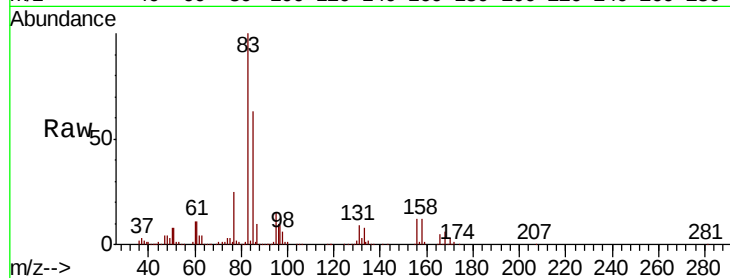
Tot Ion: 83 Resp: 605444

Ion Ratio Lower Upper

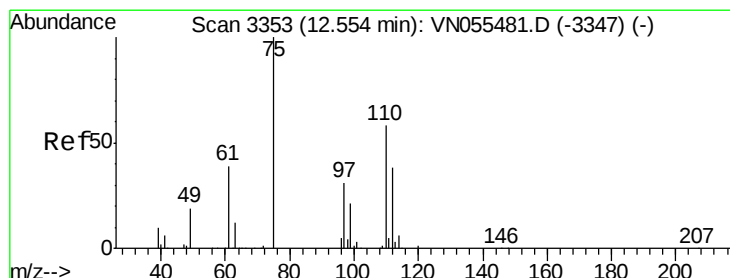
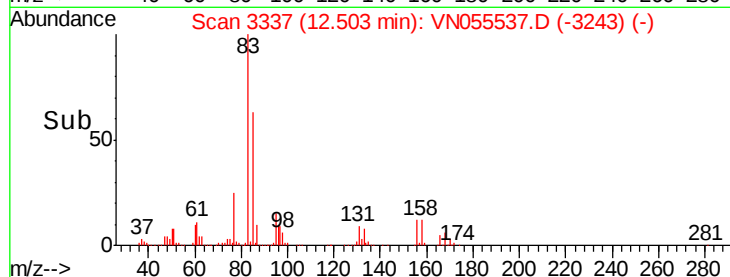
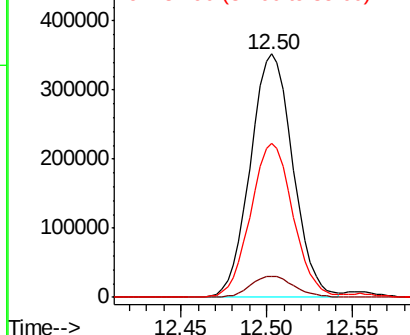
83 100

131 8.9 4.5 13.5

85 63.1 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 56.902 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055537.D

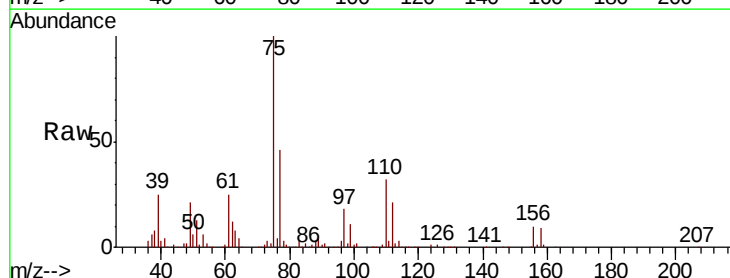
Acq: 10 May 2019 8:53

Tgt Ion: 75 Resp: 721537

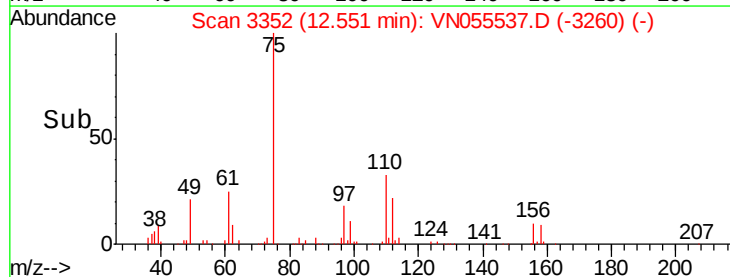
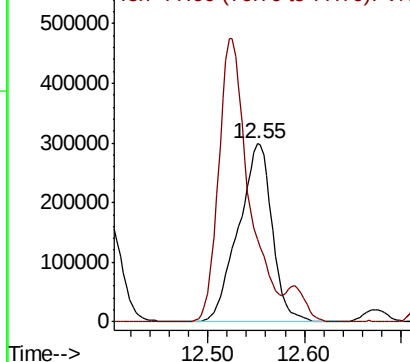
Ion Ratio Lower Upper

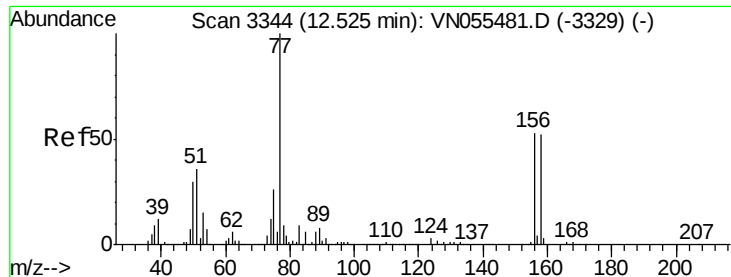
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 45.407 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

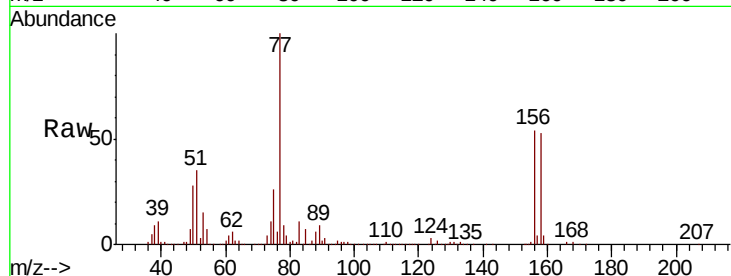
Tot Ion:156 Resp: 466107

Ion Ratio Lower Upper

156 100

77 221.2 115.4 346.2

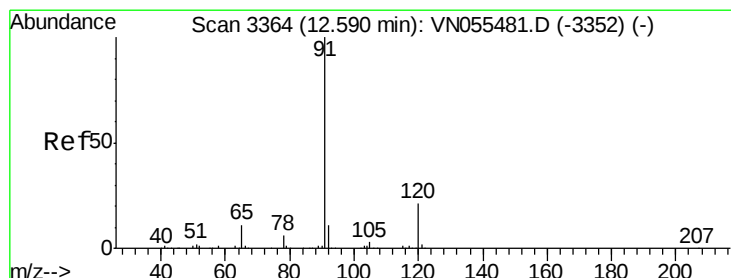
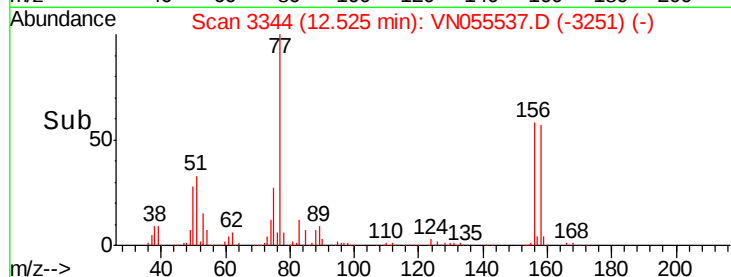
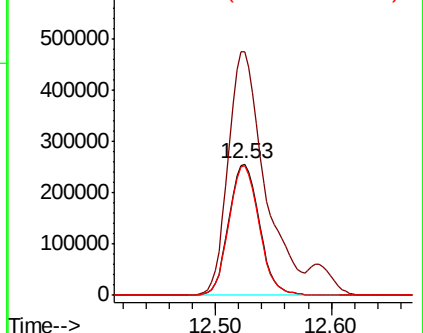
158 97.5 48.7 146.1



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: 46.546 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055537.D

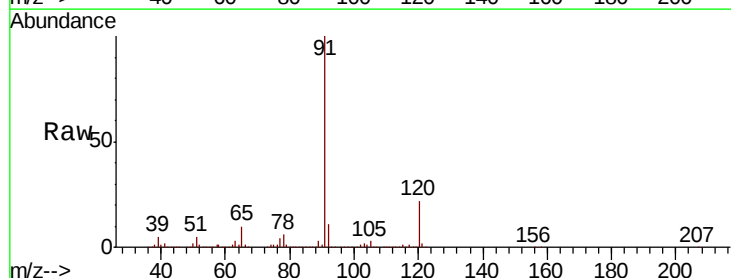
Acq: 10 May 2019 8:53

Tgt Ion: 91 Resp: 2325349

Ion Ratio Lower Upper

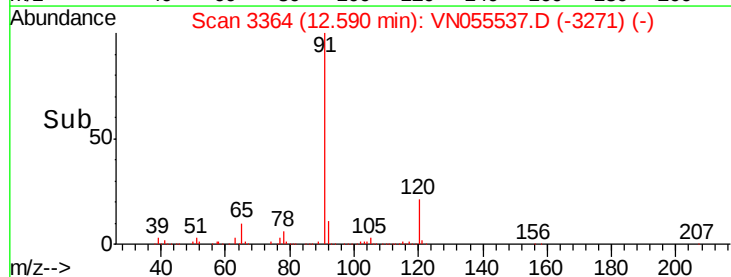
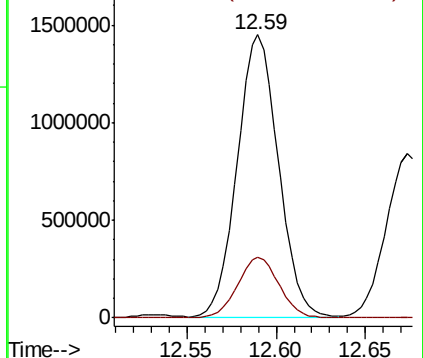
91 100

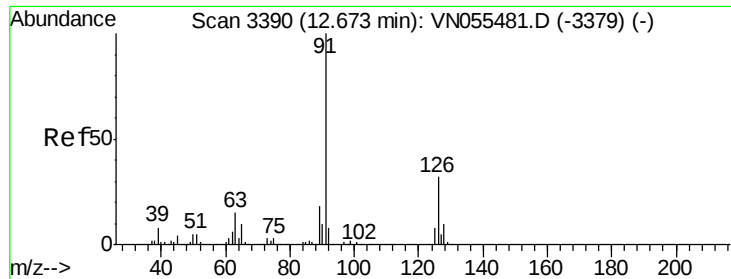
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

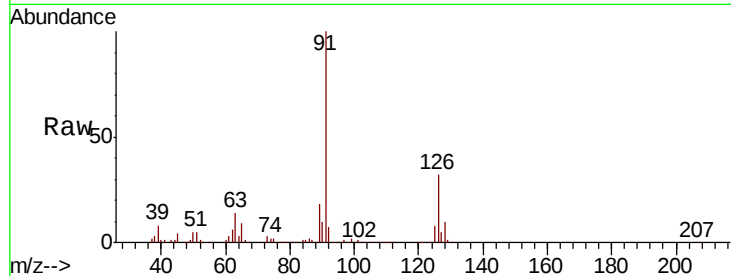




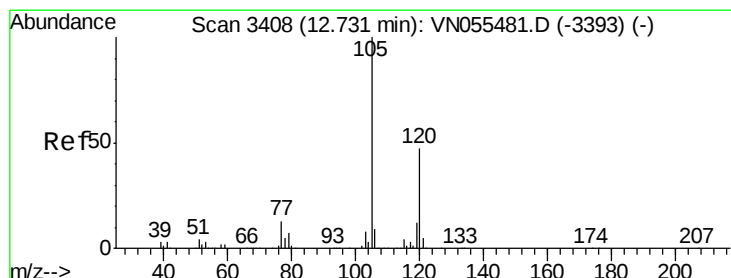
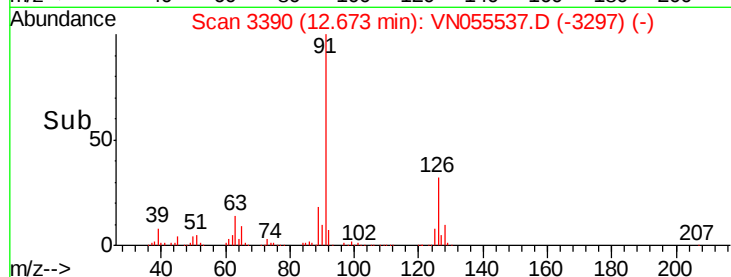
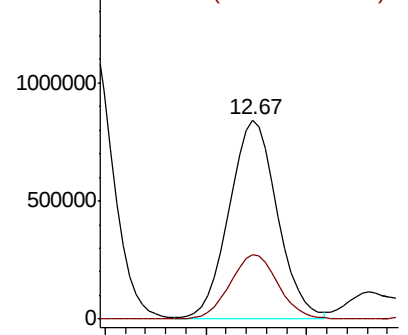
#79
2-Chlorotoluene
Concen: 44.798 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1394763
Ion Ratio Lower Upper
91 100
126 32.8 16.0 47.9

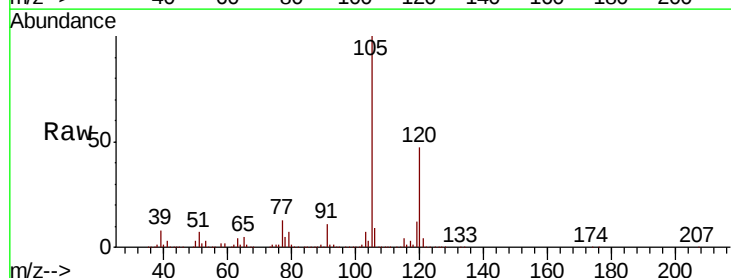


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)
Ion 125.90 (125.60 to 126.60): VN055481.D (-3379) (-)

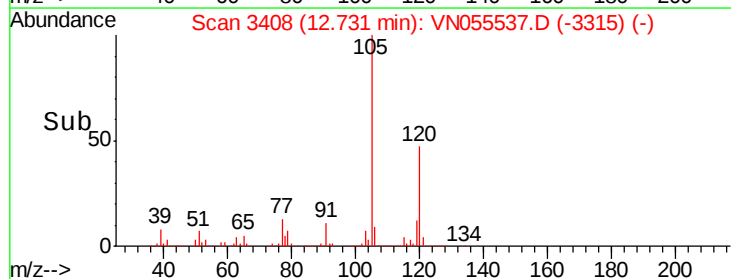
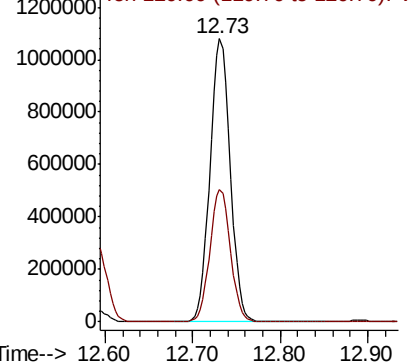


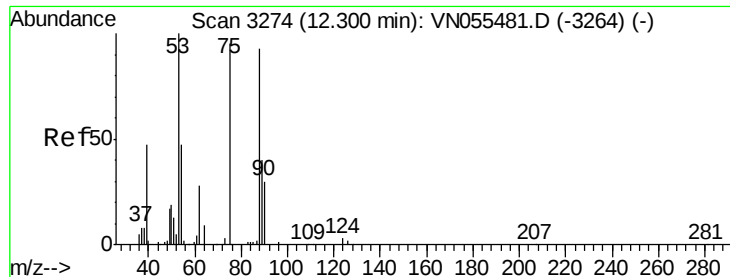
#80
1,3,5-Trimethylbenzene
Concen: 46.522 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 105 Resp: 1732999
Ion Ratio Lower Upper
105 100
120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)
Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.693 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

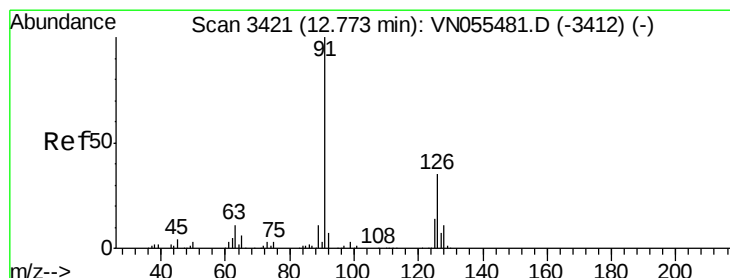
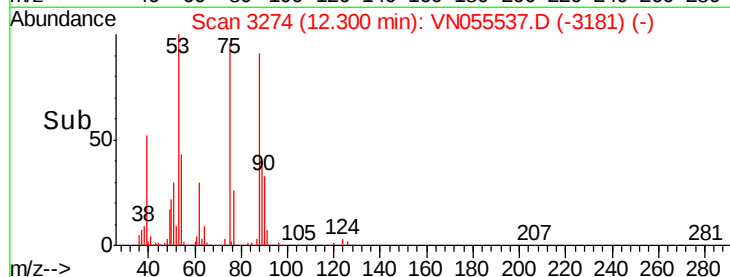
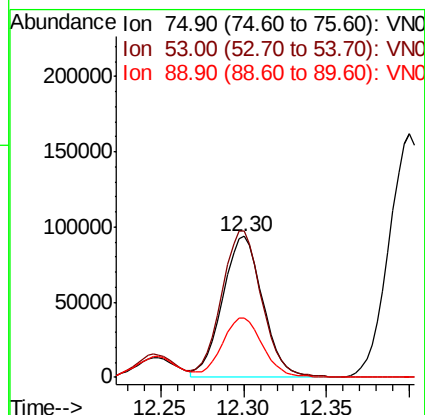
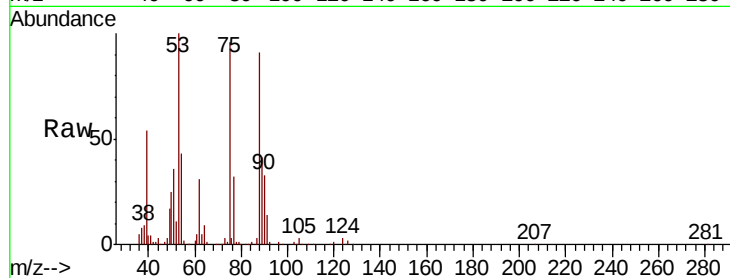
Tot Ion: 75 Resp: 157024

Ion Ratio Lower Upper

75 100

53 104.9 86.5 129.7

89 42.8 35.7 53.5



#82

4-Chlorotoluene

Concen: 46.738 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055537.D

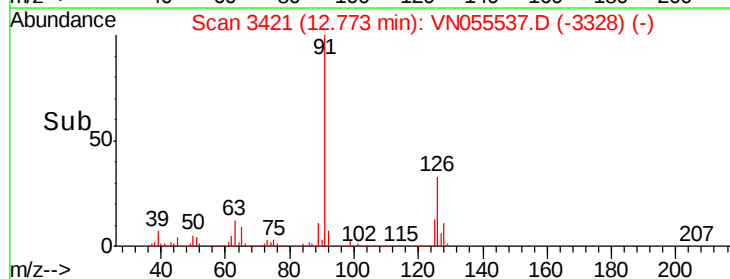
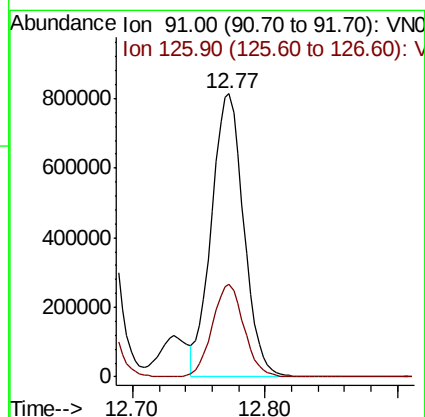
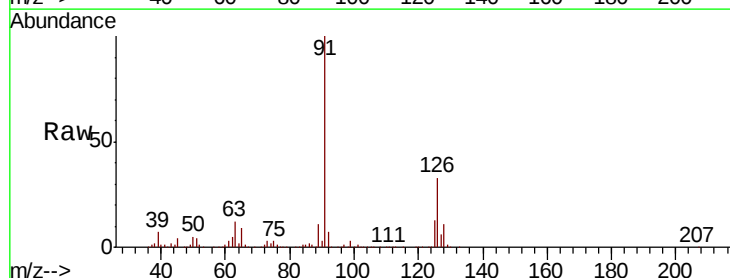
Acq: 10 May 2019 8:53

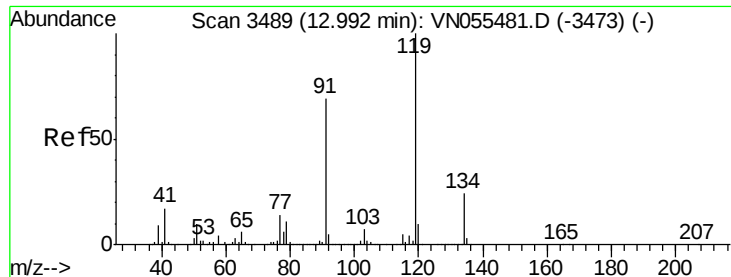
Tgt Ion: 91 Resp: 1374982

Ion Ratio Lower Upper

91 100

126 32.1 15.7 47.0

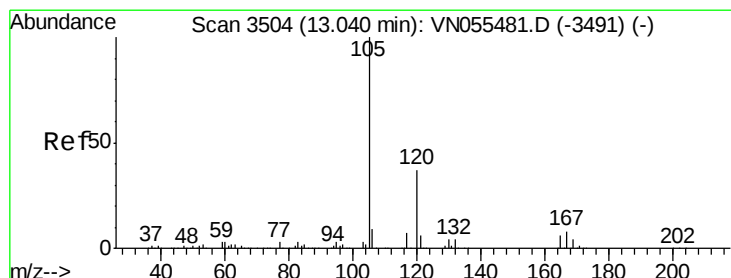
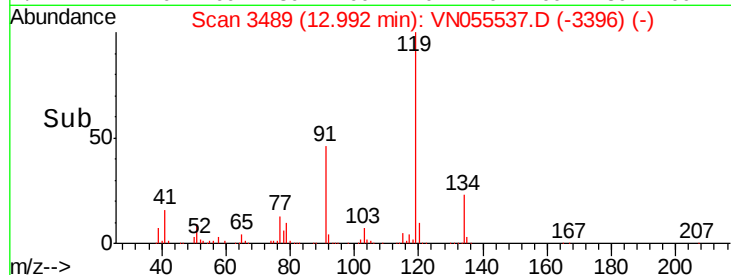
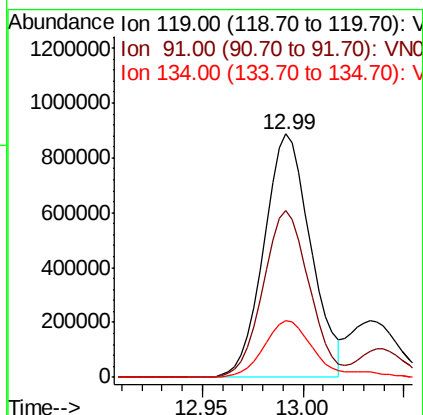
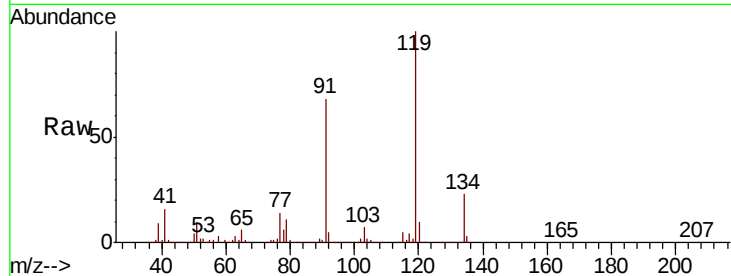




#83
tert-Butylbenzene
Concen: 44.797 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

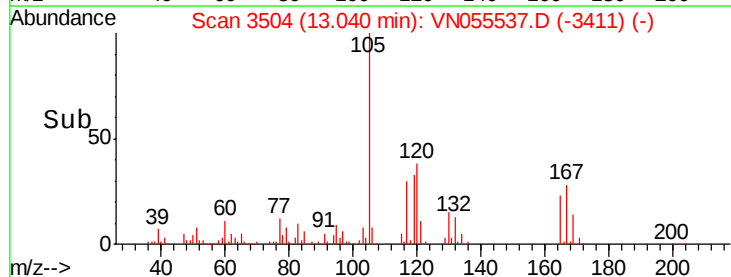
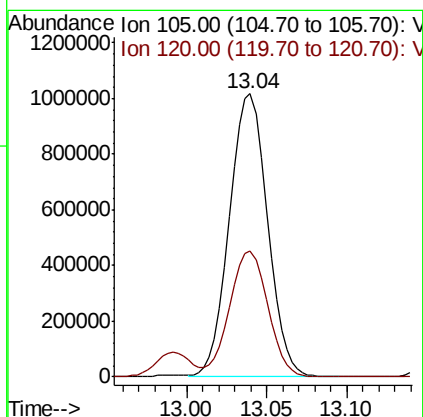
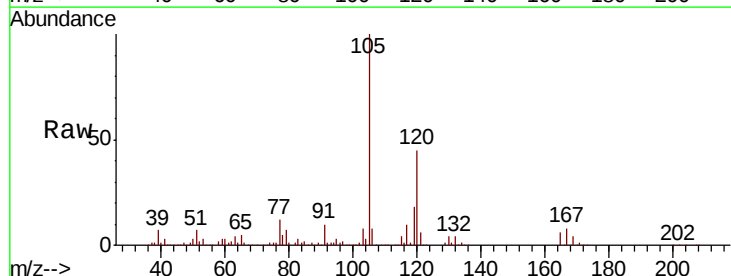
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

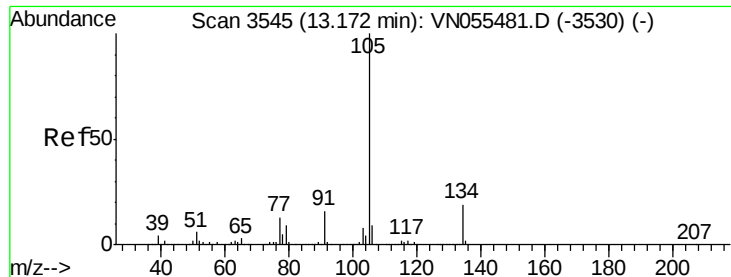
Tot Ion:119 Resp: 1430381
Ion Ratio Lower Upper
119 100
91 67.6 33.8 101.3
134 25.5 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 48.347 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion:105 Resp: 1651750
Ion Ratio Lower Upper
105 100
120 44.7 22.1 66.5





#85

sec-Butylbenzene

Concen: 45.922 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

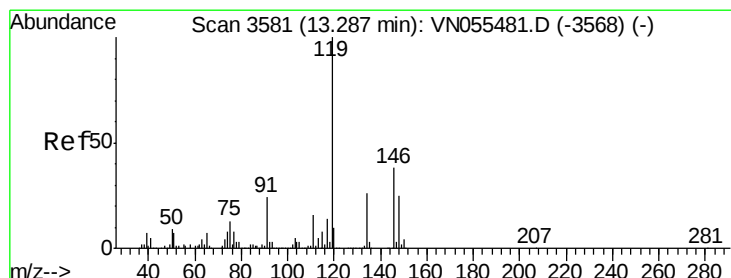
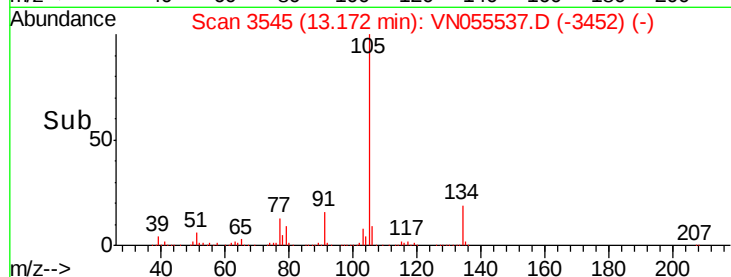
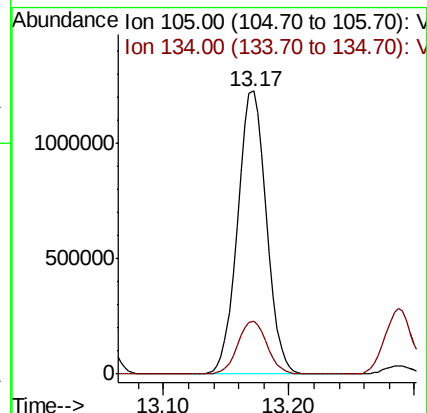
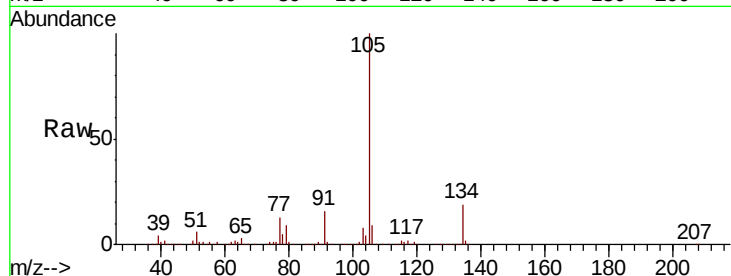
VSTDCCC050

Tot Ion:105 Resp: 1948707

Ion Ratio Lower Upper

105 100

134 19.1 9.3 28.0



#86

p-Isopropyltoluene

Concen: 48.405 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

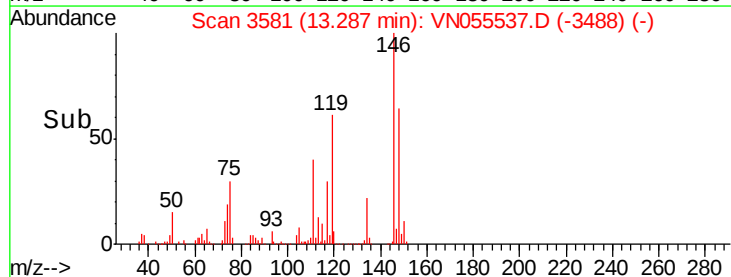
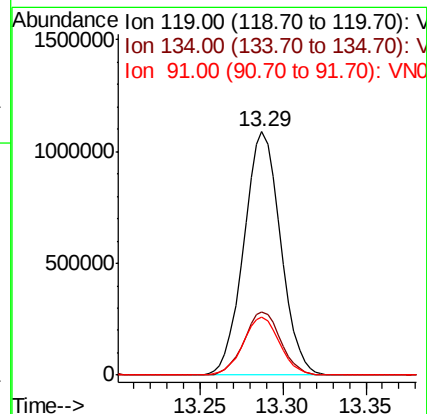
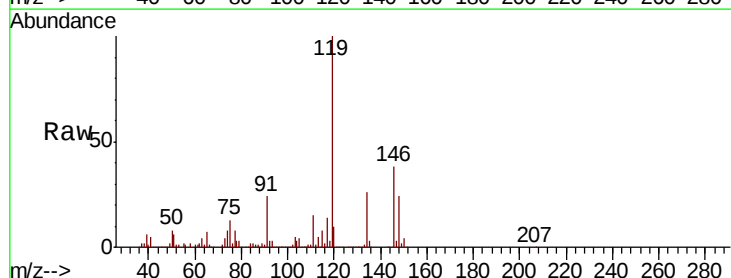
Tgt Ion:119 Resp: 1671695

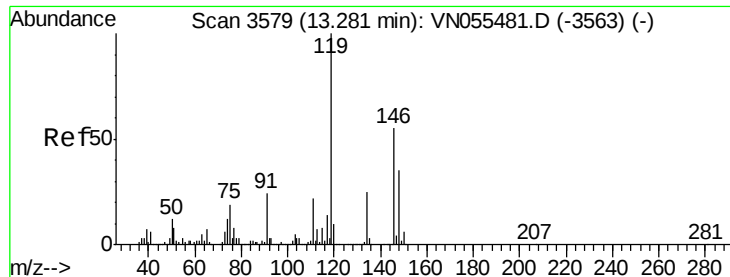
Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 50.134 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

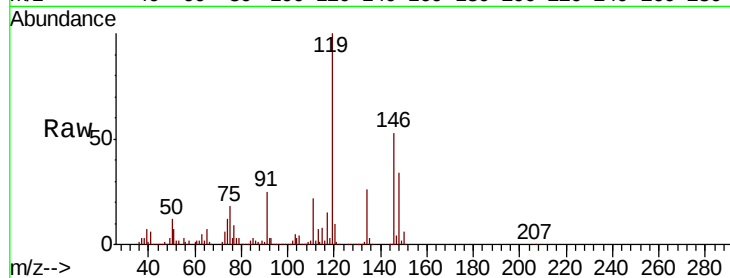
Tot Ion:146 Resp: 795208

Ion Ratio Lower Upper

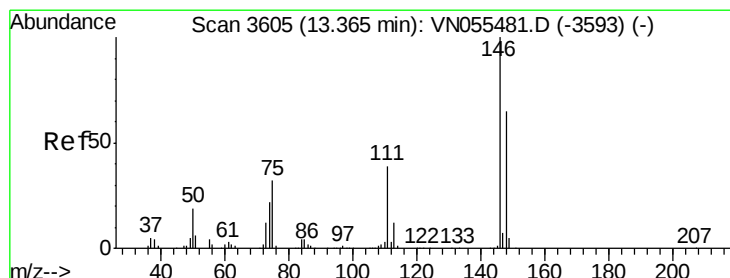
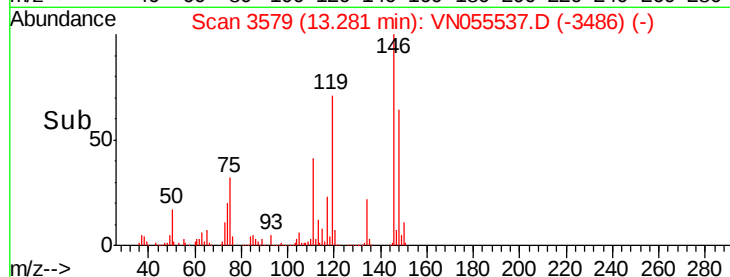
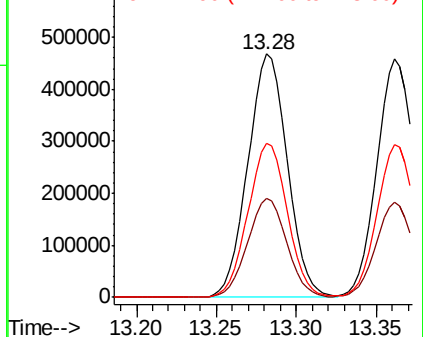
146 100

111 40.3 20.4 61.3

148 63.1 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 48.651 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

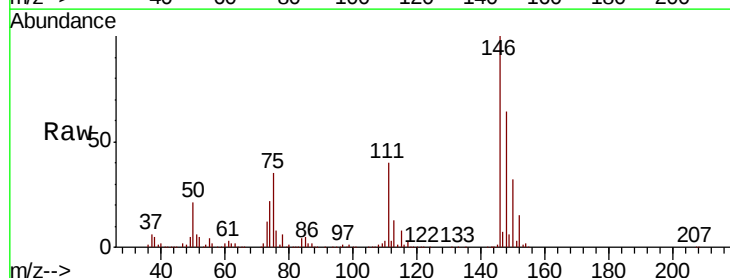
Tgt Ion:146 Resp: 761566

Ion Ratio Lower Upper

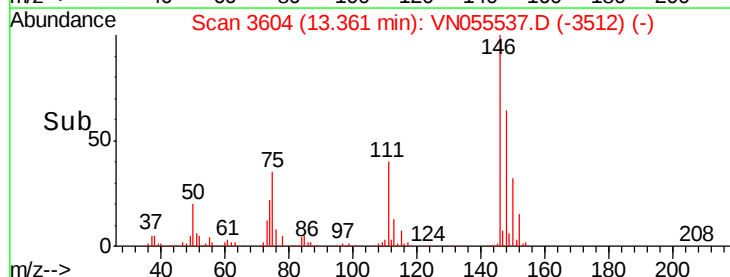
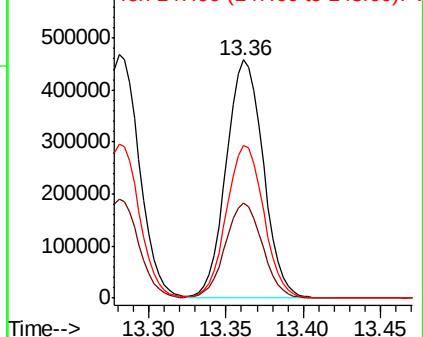
146 100

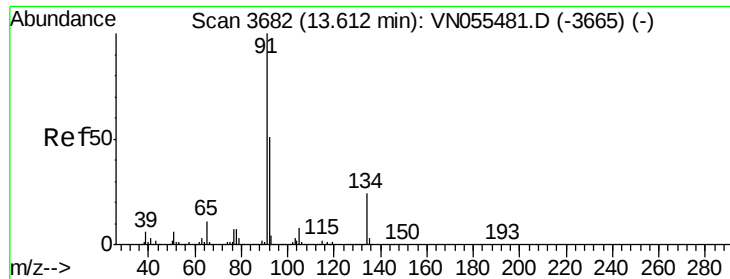
111 39.9 19.6 58.8

148 64.7 32.5 97.4



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





#89

n-Butylbenzene

Concen: 50.133 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

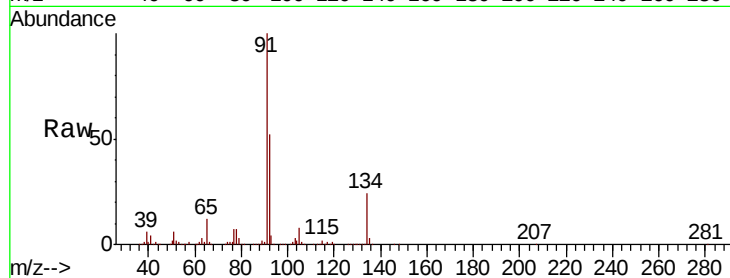
Tot Ion: 91 Resp: 1342043

Ion Ratio Lower Upper

91 100

92 52.1 25.9 77.7

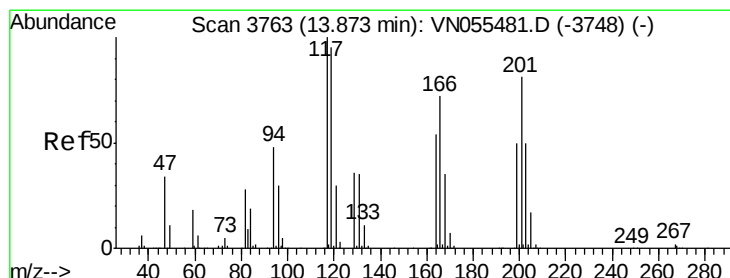
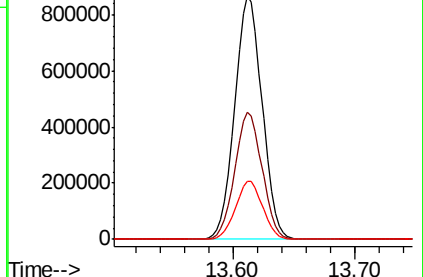
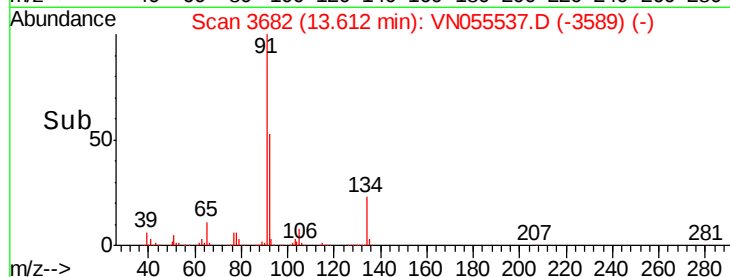
134 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)



#90

Hexachloroethane

Concen: 45.537 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055537.D

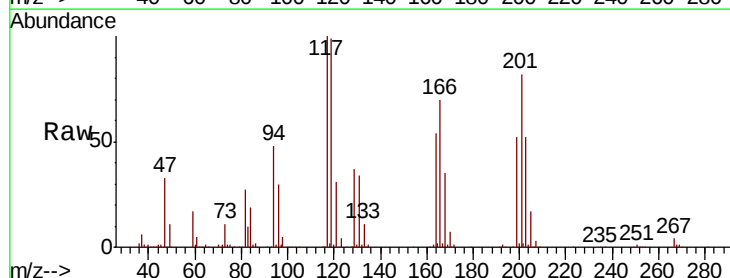
Acq: 10 May 2019 8:53

Tgt Ion: 117 Resp: 256537

Ion Ratio Lower Upper

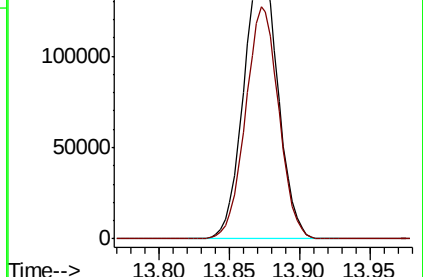
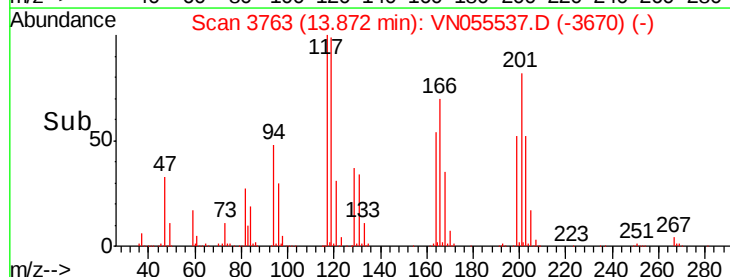
117 100

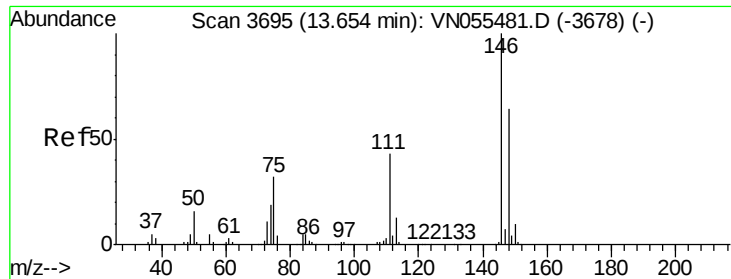
201 81.8 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055481.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 48.813 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

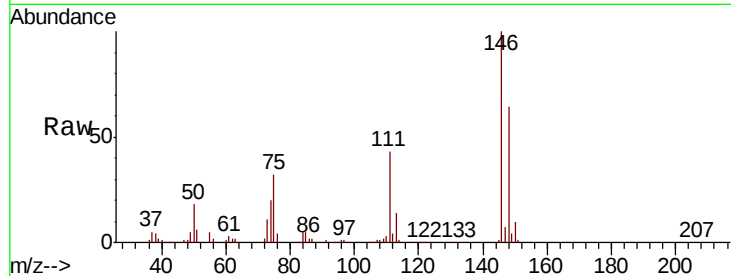
Tot Ion:146 Resp: 773822

Ion Ratio Lower Upper

146 100

111 41.9 21.3 63.7

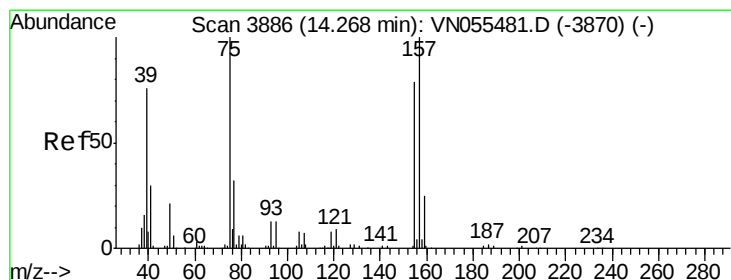
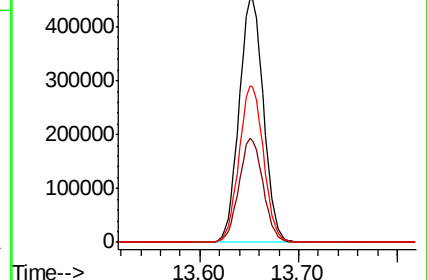
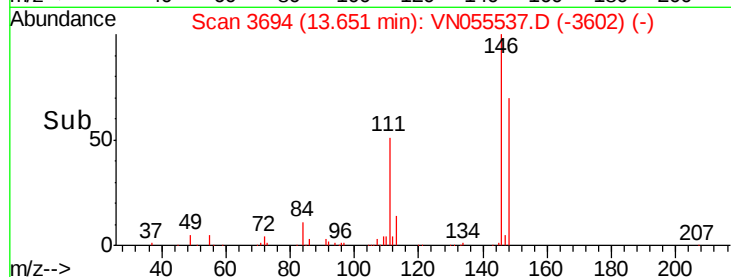
148 64.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.818 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

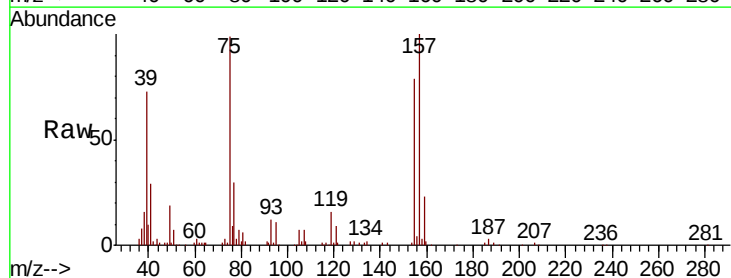
Tgt Ion: 75 Resp: 91711

Ion Ratio Lower Upper

75 100

155 81.6 39.3 117.8

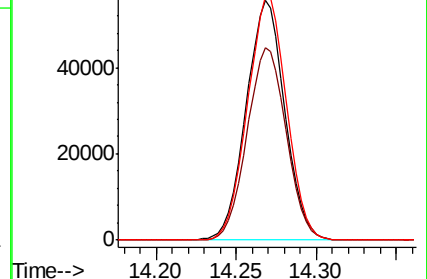
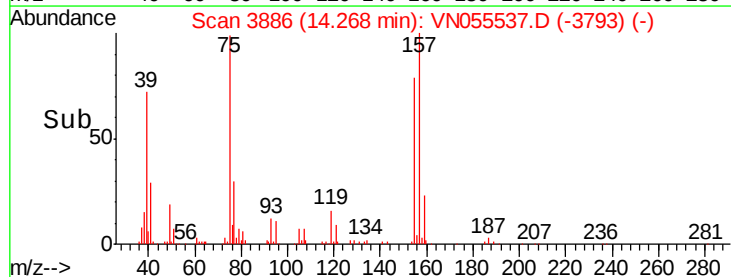
157 102.8 50.6 151.8

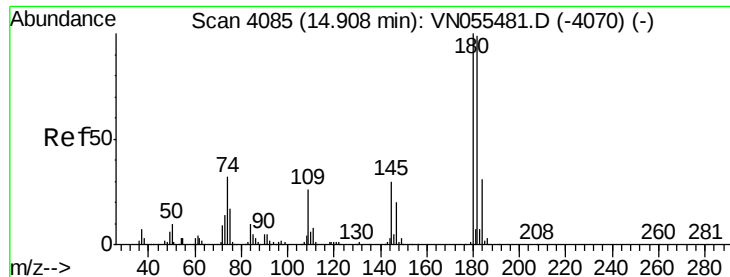


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

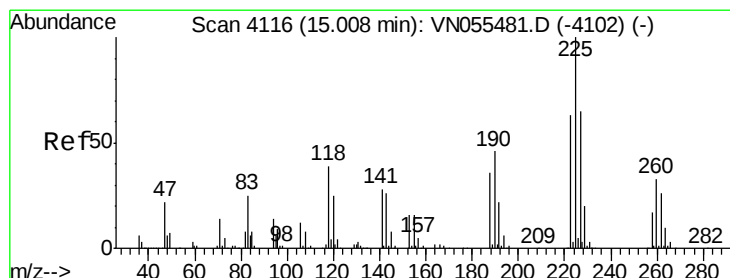
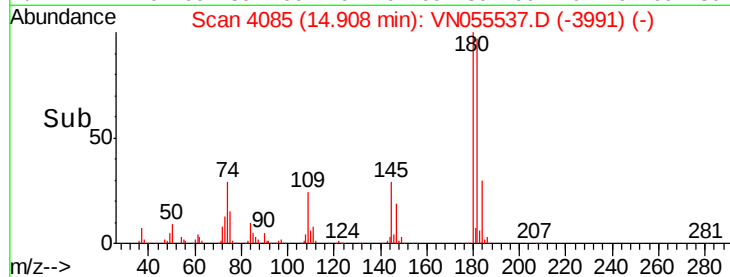
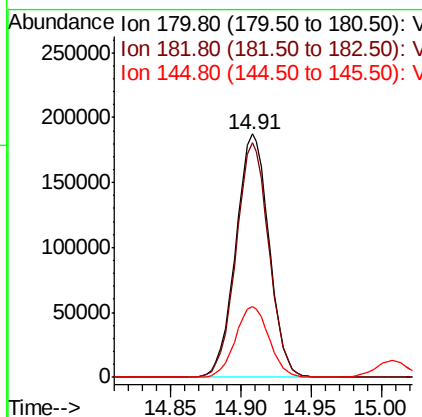
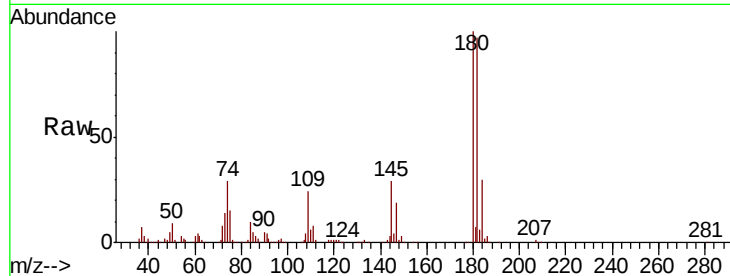




#93
 1,2,4-Trichlorobenzene
 Concen: 45.120 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

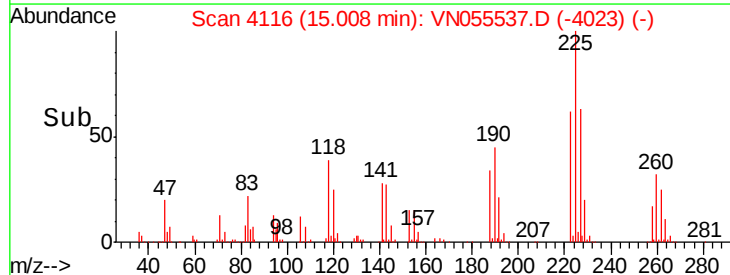
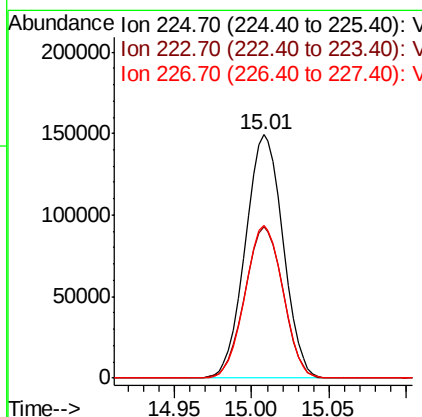
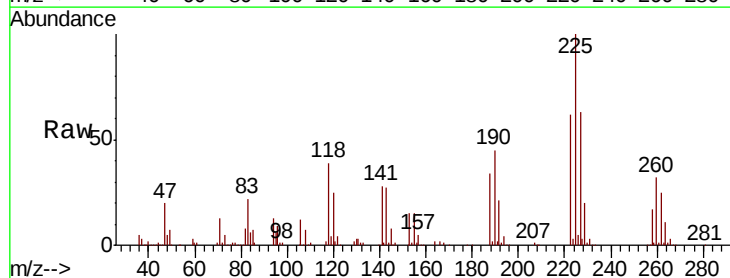
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

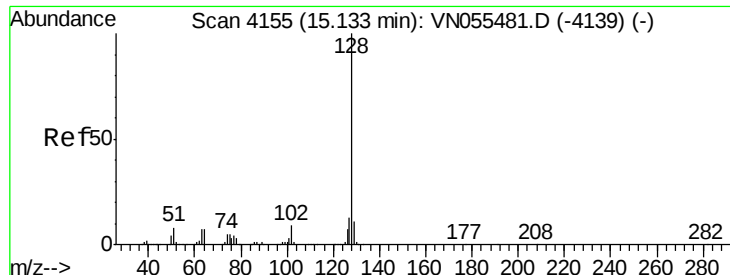
Tot Ion:180 Resp: 309131
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.7 146.1
 145 29.4 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 54.181 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion:225 Resp: 253264
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.3
 227 63.0 32.0 96.0





#95

Naphthalene

Concen: 39.868 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

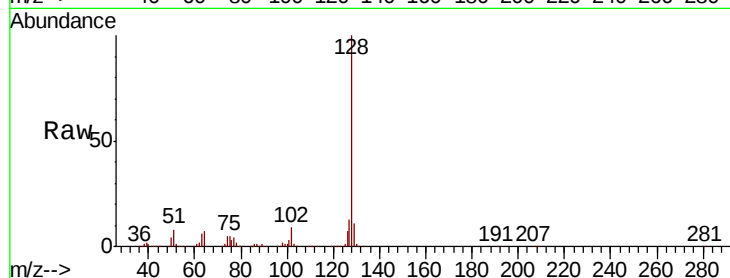
Tot Ion:128 Resp: 761967

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

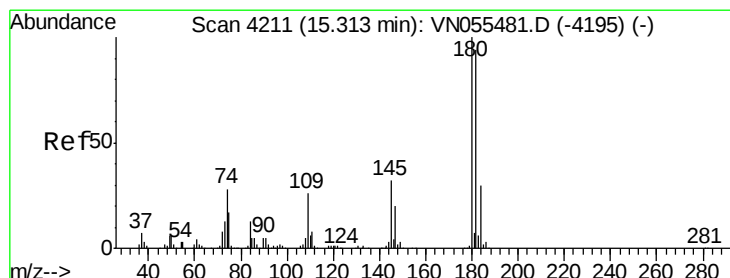
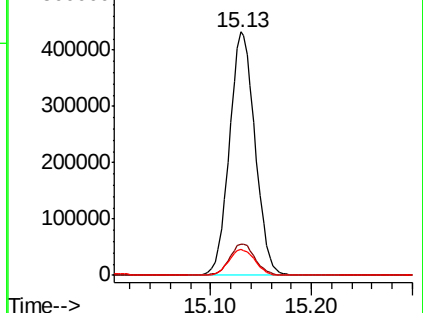
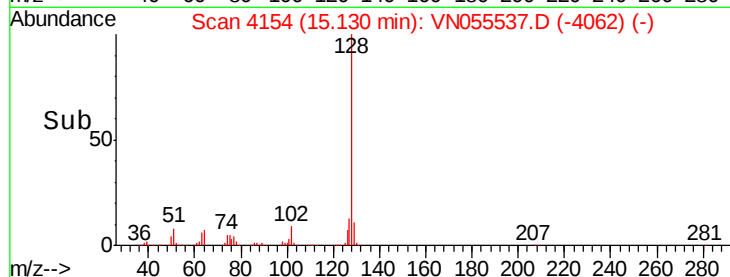
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 43.953 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

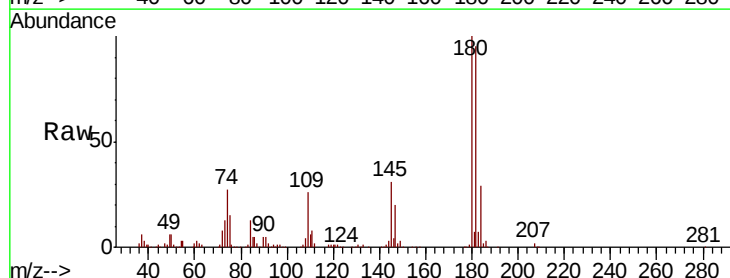
Tgt Ion:180 Resp: 326225

Ion Ratio Lower Upper

180 100

182 96.2 47.1 141.3

145 31.4 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

