

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015265.D
 Acq On : 30 Mar 2020 10:33
 Operator : SY/MD
 Sample : VSTD20062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 13:29:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 13:18:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	766642	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	746820	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	366248	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	1044612	186.88	ug/L	0.00
7) Chloroethane-d5	1.58	69	949341	182.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	2354190	195.29	ug/L	0.00
21) 2-Butanone-d5	3.93	46	1448495	396.00	ug/L	0.00
24) Chloroform-d	4.38	84	1939167	192.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	1212511	184.59	ug/L	0.00
32) Benzene-d6	5.08	84	3754524	192.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	1167394	191.49	ug/L	0.00
41) Toluene-d8	7.34	98	3694872	195.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	669760	201.74	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	1140680	398.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	1729961	192.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	1384841	189.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1044860	193.727	ug/L	98
3) Chloromethane	1.25	50	1108798	181.030	ug/L	100
5) Vinyl chloride	1.32	62	1194034	184.786	ug/L	98
6) Bromomethane	1.53	94	793802	183.638	ug/L	98
8) Chloroethane	1.60	64	768329	172.430	ug/L	97
9) Trichlorofluoromethane	1.76	101	2288699	209.539	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1111664	189.801	ug/L	99
12) 1,1-Dichloroethene	2.13	96	1087243	191.754	ug/L	98
13) Acetone	2.22	43	854165	346.433	ug/L	97
14) Carbon disulfide	2.31	76	2640228	191.351	ug/L	100
15) Methyl Acetate	2.46	43	956785	191.016	ug/L	99
16) Methylene chloride	2.52	84	977250	184.223	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	907447	190.984	ug/L	96
18) Methyl tert-butyl Ether	2.79	73	3063301	189.353	ug/L	100
19) 1,1-Dichloroethane	3.21	63	1686595	190.392	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	1036699	194.097	ug/L	# 94
22) 2-Butanone	4.01	43	1402240	373.816	ug/L	93
23) Bromochloromethane	4.27	128	519105	197.282	ug/L	97
25) Chloroform	4.40	83	1782068	188.413	ug/L	97
27) 1,2-Dichloroethane	5.15	62	1386868	184.356	ug/L	99
29) Cyclohexane	4.70	56	1523130	192.426	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	1673272	197.606	ug/L	99
31) Carbon tetrachloride	4.85	117	1433881	199.888	ug/L	99
33) Benzene	5.13	78	3837486	194.101	ug/L	100
34) Trichloroethene	5.94	95	1036011	195.336	ug/L	97
35) Methylcyclohexane	6.15	83	1636981	196.780	ug/L	98
37) 1,2-Dichloropropane	6.20	63	973153	193.516	ug/L	100
38) Bromodichloromethane	6.53	83	1418717	196.182	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	1720233	202.550	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	2846760	380.728	ug/L	99

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 Response via : Initial Calibration

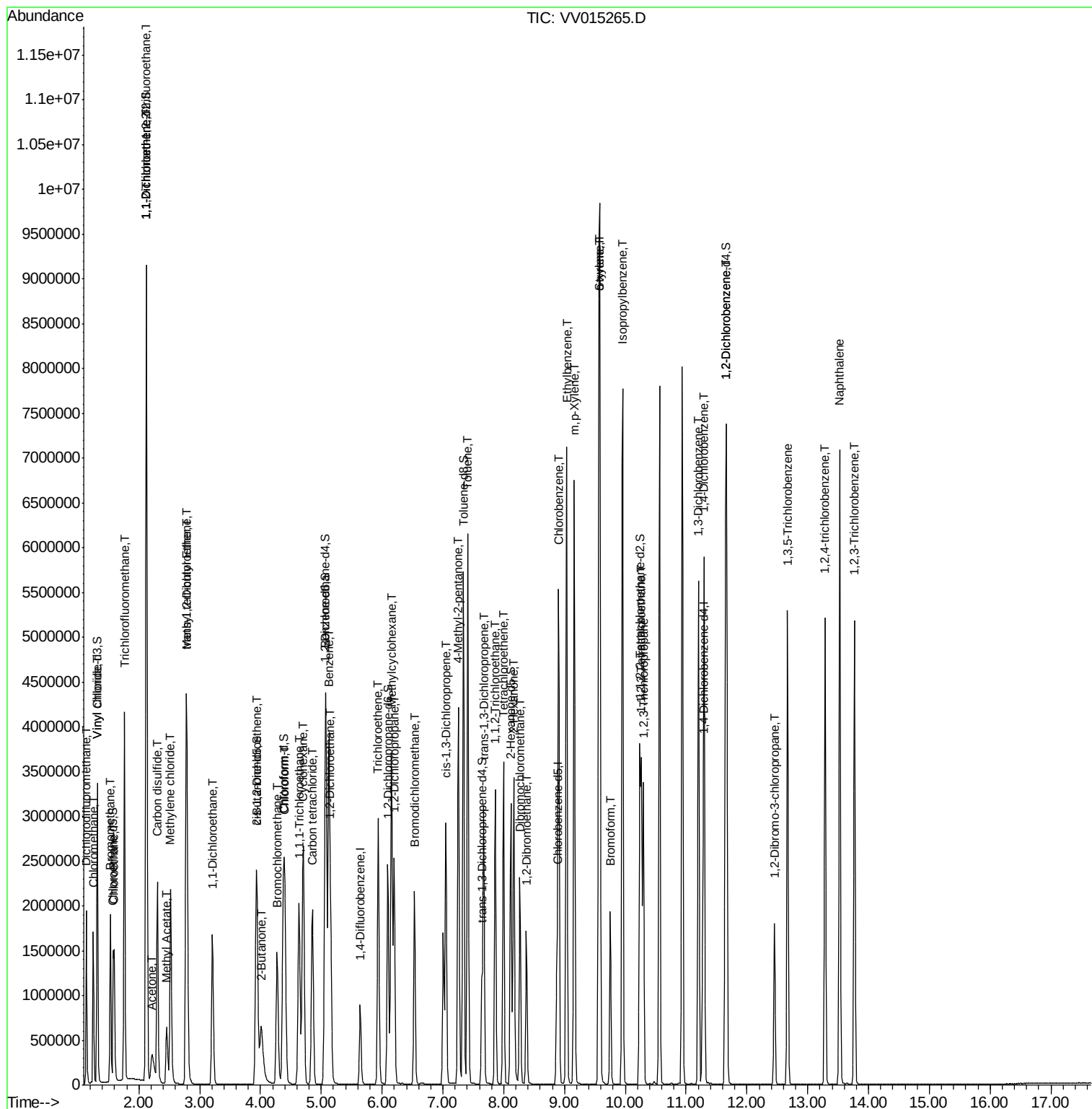
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	4350767	196.030	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	1674334	200.642	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	992492	195.908	ug/L	99
46) Tetrachloroethene	8.00	164	721902	205.698	ug/L	94
48) 2-Hexanone	8.16	43	2256422	393.375	ug/L	100
49) Dibromochloromethane	8.27	129	1142405	206.330	ug/L	96
50) 1,2-Dibromoethane	8.37	107	1087664	197.597	ug/L	98
51) Chlorobenzene	8.90	112	2825822	195.633	ug/L	99
52) Ethylbenzene	9.04	91	4932090	197.064	ug/L	99
53) m,p-Xylene	9.16	106	1909748	200.053	ug/L	99
54) o-xylene	9.57	106	1879906	197.954	ug/L	97
55) Styrene	9.58	104	3260694	201.210	ug/L	98
56) Isopropylbenzene	9.96	105	4941244	197.662	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	1642226	195.324	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	1312906	188.697	ug/L	98
61) Bromoform	9.75	173	786844	215.423	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	2166051	193.919	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	2190004	192.087	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	2168641	192.397	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	450585	181.686	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	1460306	204.839	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	1391916	205.487	ug/L	100
69) Naphthalene	13.53	128	5299693	196.271	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	1396057	205.356	ug/L	99

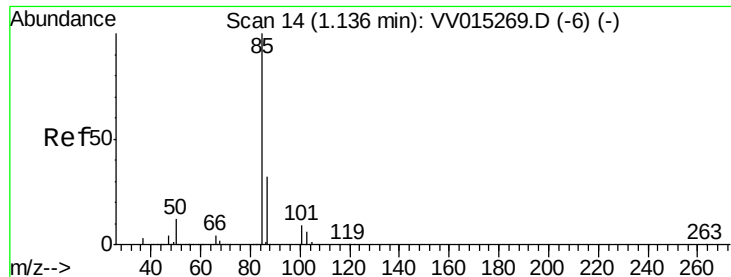
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 193.727 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Instrument :

MSVOA_V

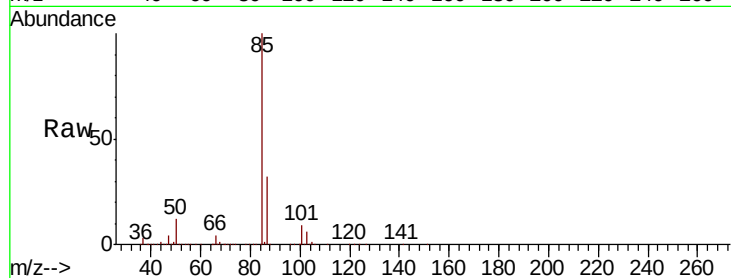
ClientSampleId :

Tot Ion: 85 Resp: 1044860

Ion Ratio Lower Upper

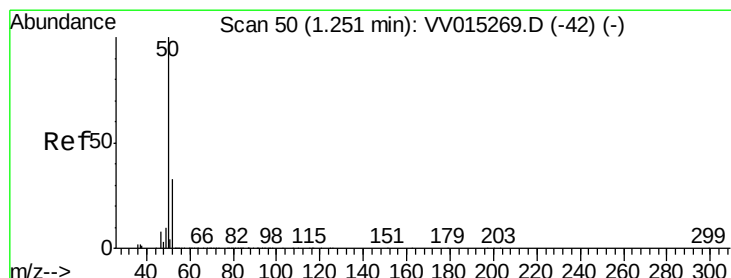
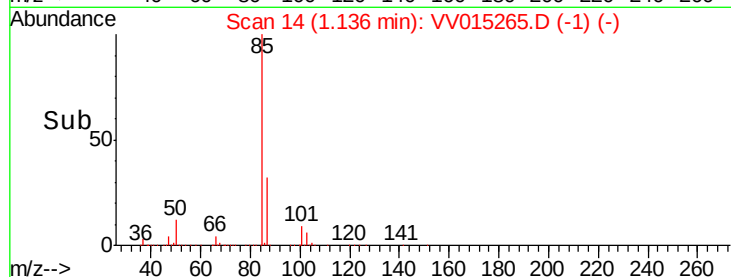
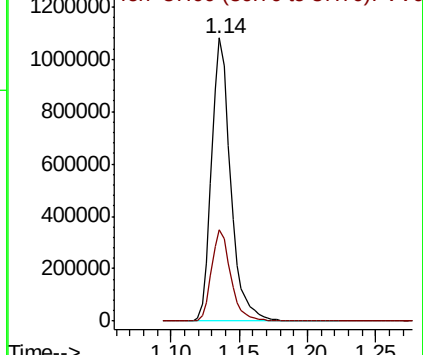
85 100

87 32.5 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 181.030 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015265.D

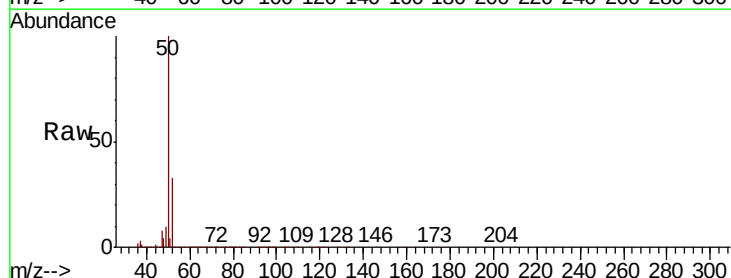
Acq: 30 Mar 2020 10:33

Tgt Ion: 50 Resp: 1108798

Ion Ratio Lower Upper

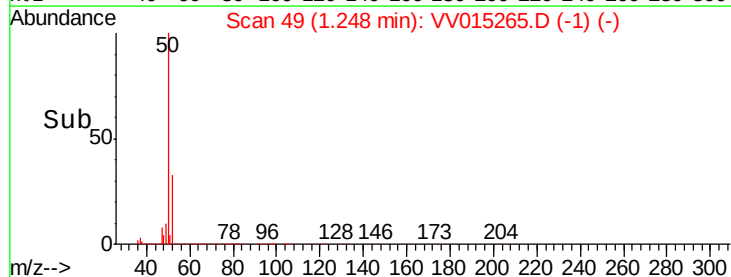
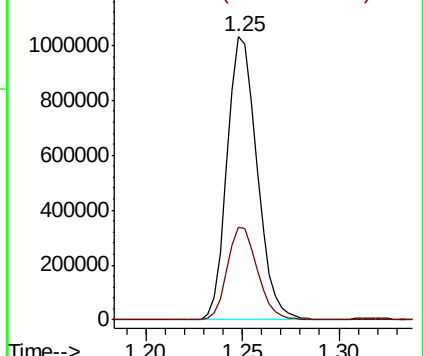
50 100

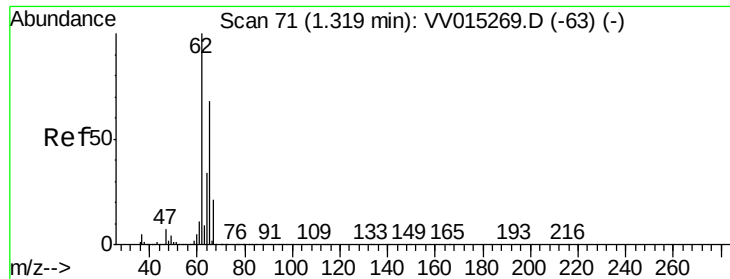
52 32.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 184.786 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

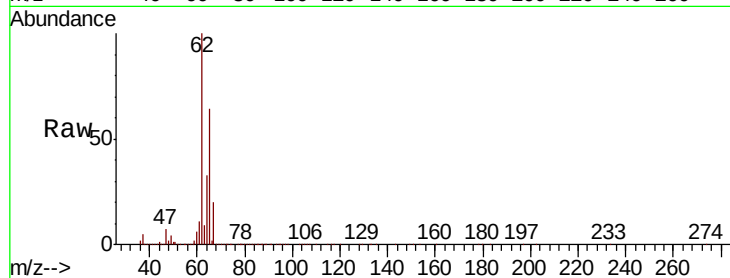
Instrument :

MSVOA_V

ClientSampled :

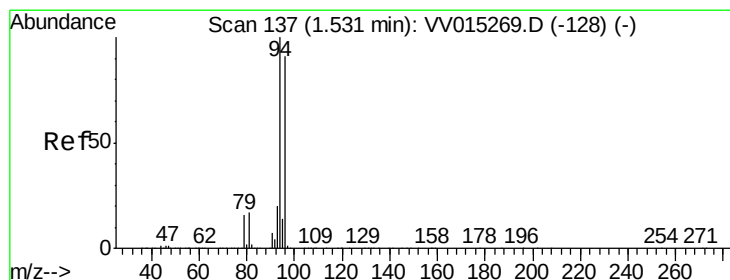
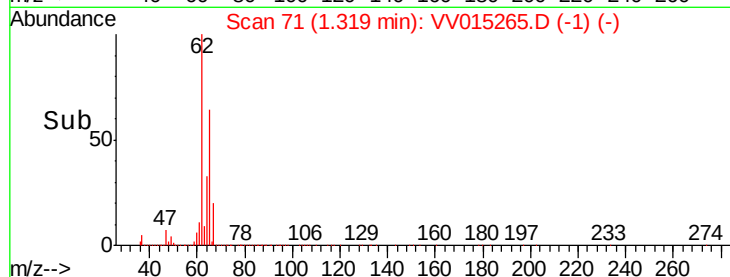
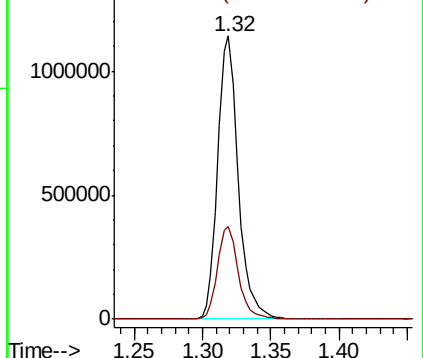
Tot Ion: 62 Resp: 1194034

Ion	Ratio	Lower	Upper
62	100		
64	33.0	23.9	44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 183.638 ug/L

RT: 1.53 min Scan# 137

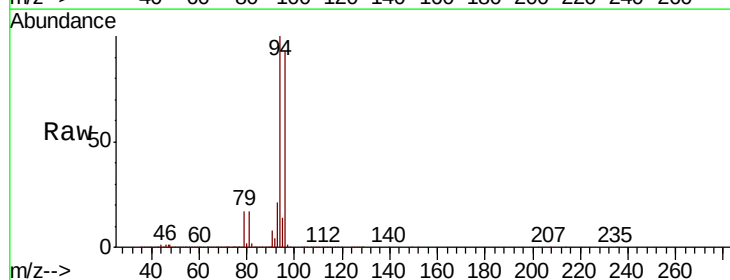
Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

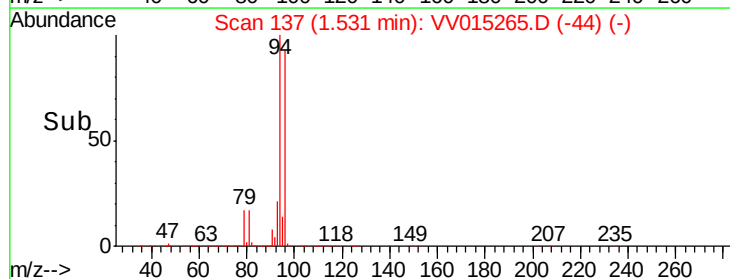
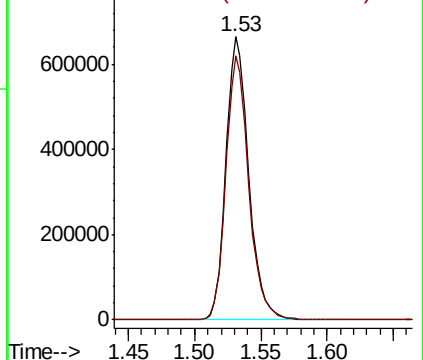
Tgt Ion: 94 Resp: 793802

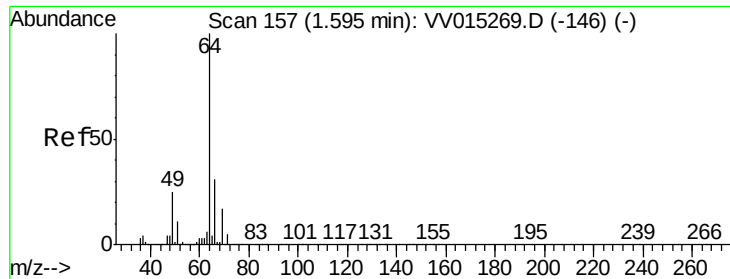
Ion	Ratio	Lower	Upper
94	100		
96	93.3	63.7	118.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

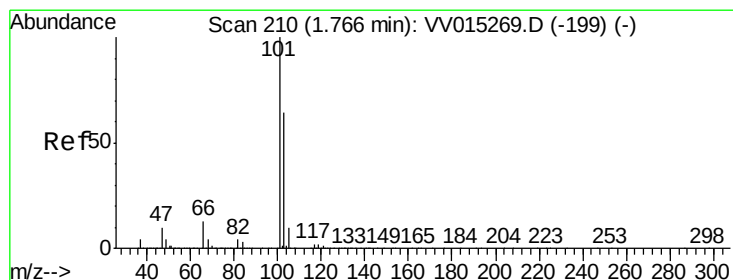
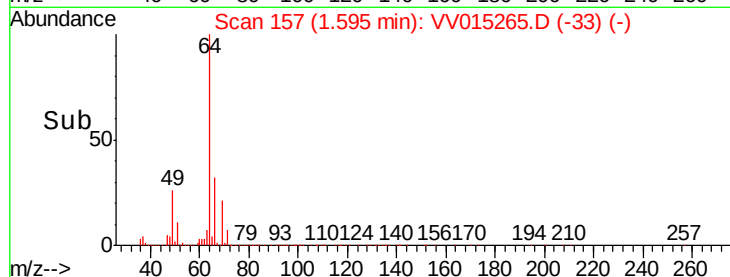
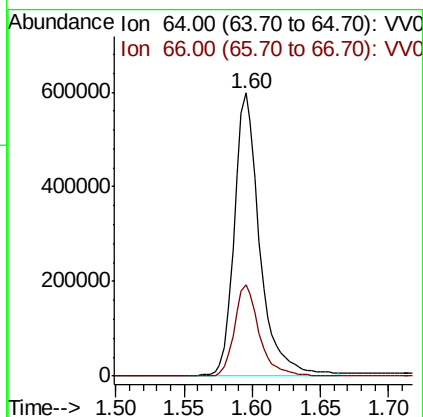
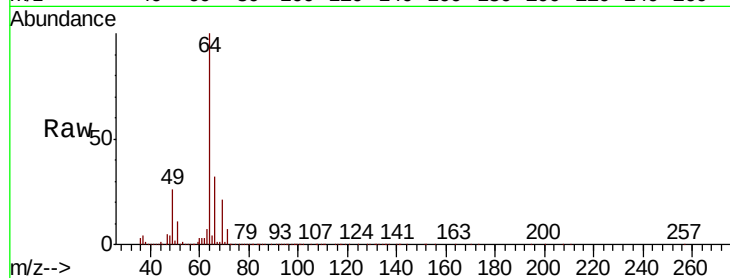




#8
Chloroethane
Concen: 172.430 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

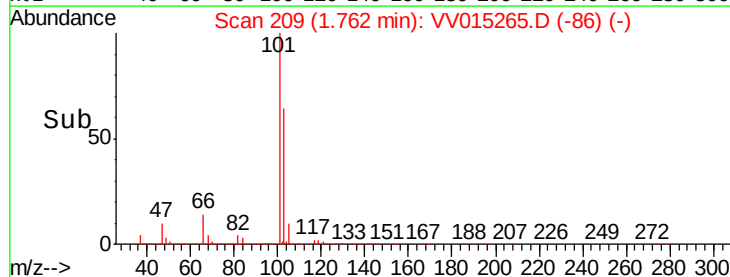
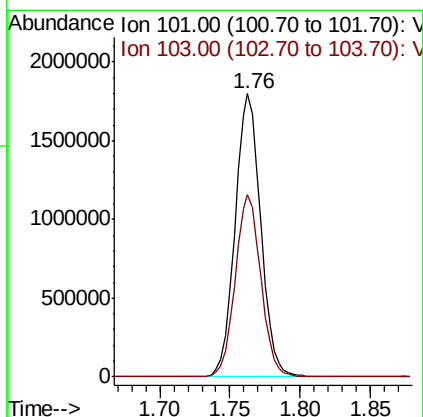
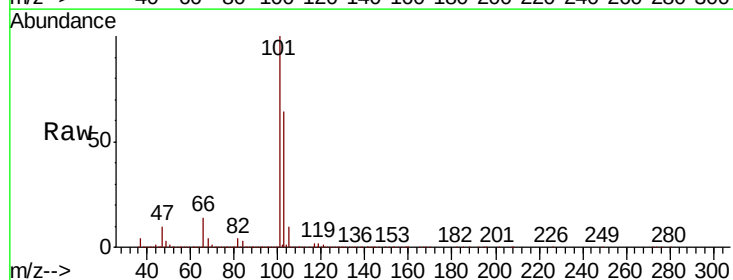
Instrument :
MSVOA_V
ClientSampleId :

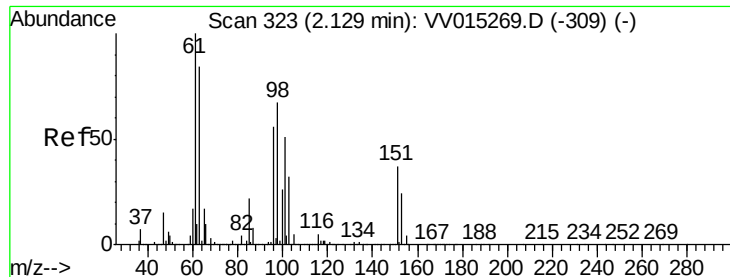
Tot Ion: 64 Resp: 768329
Ion Ratio Lower Upper
64 100
66 32.4 21.5 39.9



#9
Trichlorofluoromethane
Concen: 209.539 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Tgt Ion:101 Resp: 2288699
Ion Ratio Lower Upper
101 100
103 64.2 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 189.801 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Instrument :

MSVOA_V

ClientSampleId :

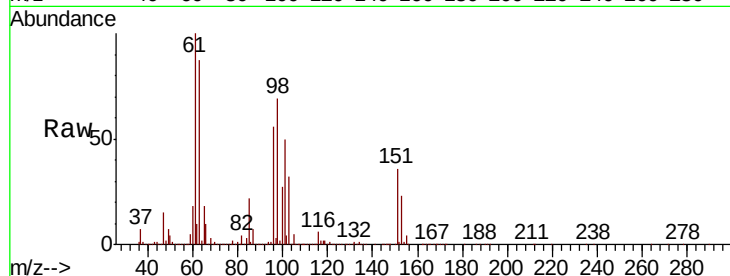
Tot Ion:101 Resp: 1111664

Ion	Ratio	Lower	Upper
101	100		
85	45.3	35.0	52.6
151	72.4	58.2	87.4

101 100

85 45.3 35.0 52.6

151 72.4 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV015269.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015265.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015265.D (-231) (-)

2.13

800000

600000

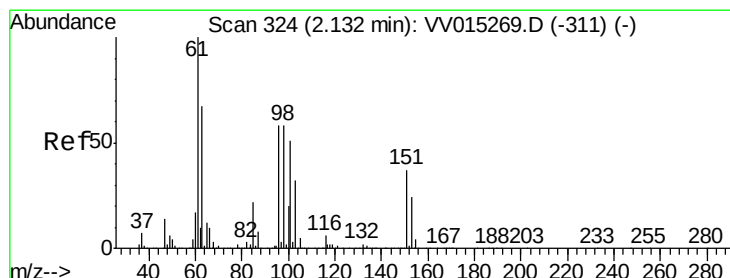
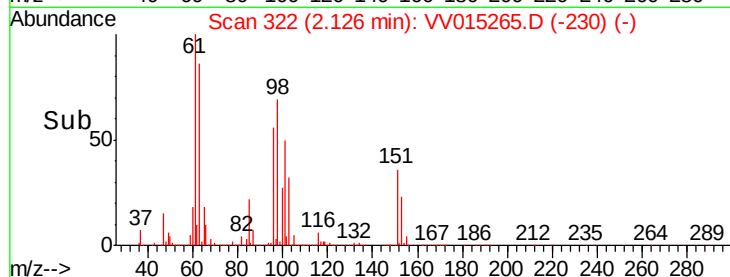
400000

200000

0

2.05 2.10 2.15 2.20

Time-->



#12

1,1-Dichloroethene

Concen: 191.754 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

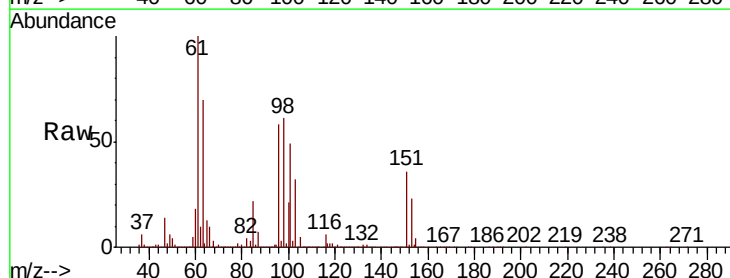
Tgt Ion: 96 Resp: 1087243

Ion	Ratio	Lower	Upper
96	100		
61	172.7	120.9	224.5
63	120.9	81.2	150.8

96 100

61 172.7 120.9 224.5

63 120.9 81.2 150.8



Abundance Ion 96.00 (95.70 to 96.70): VV015269.D (-311) (-)

Ion 61.00 (60.70 to 61.70): VV015265.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015265.D (-231) (-)

2.13

2000000

1500000

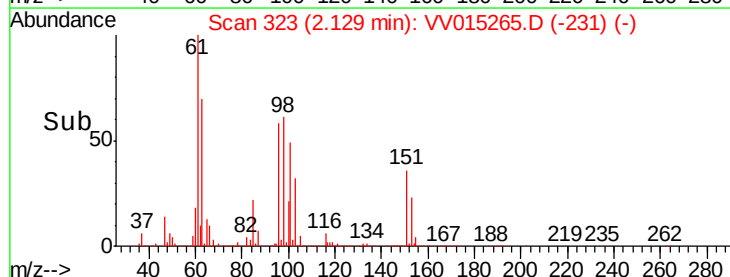
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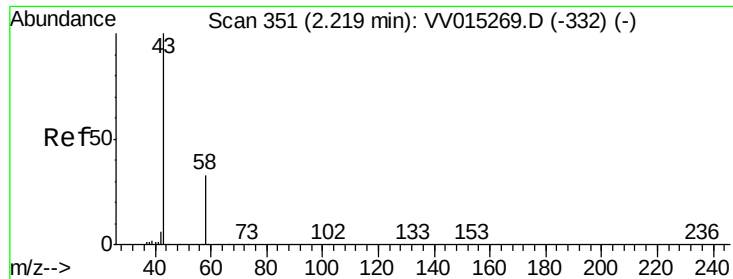
500000

0

2.05 2.10 2.15 2.20

Time-->





#13

Acetone

Concen: 346.433 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Instrument :

MSVOA_V

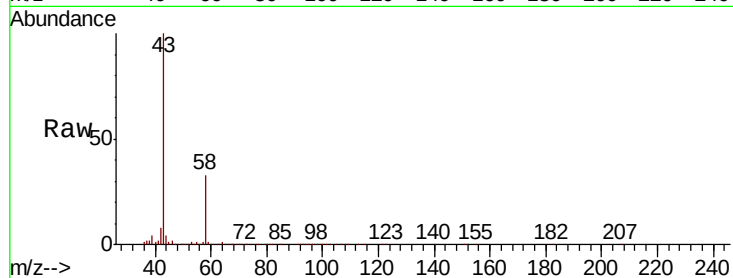
ClientSampleId :

Tot Ion: 43 Resp: 854165

Ion Ratio Lower Upper

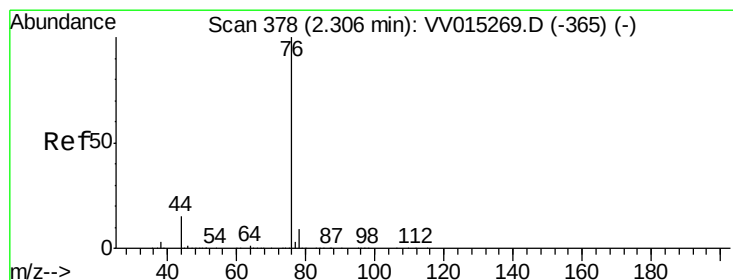
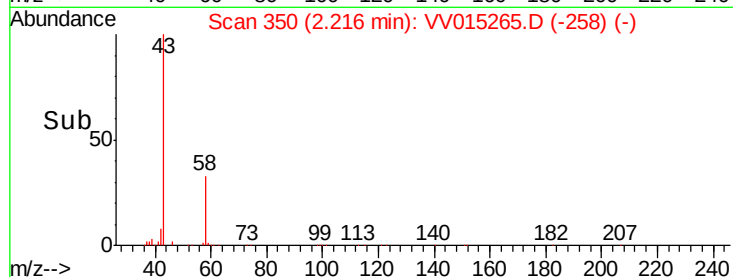
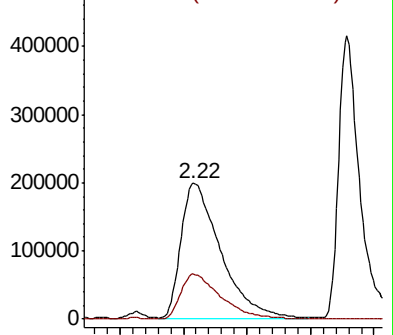
43 100

58 33.7 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV015265.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV015265.D (-332) (-)



#14

Carbon disulfide

Concen: 191.351 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015265.D

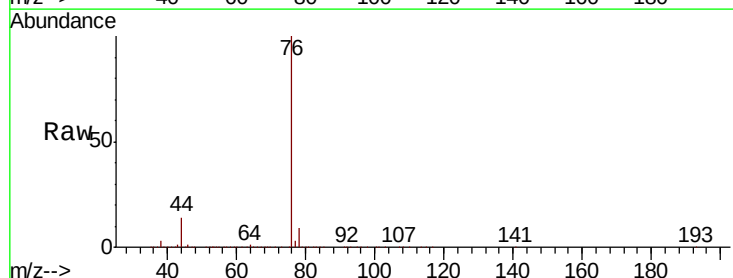
Acq: 30 Mar 2020 10:33

Tgt Ion: 76 Resp: 2640228

Ion Ratio Lower Upper

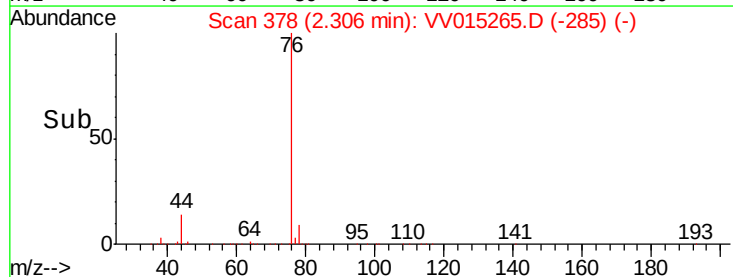
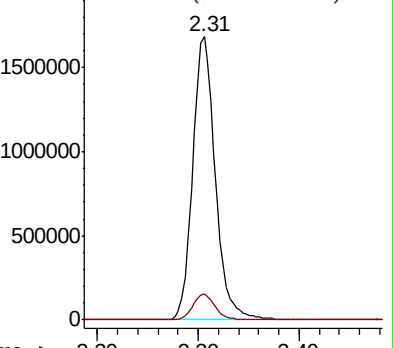
76 100

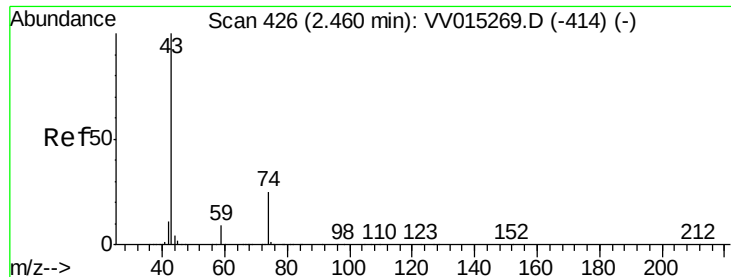
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV015265.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV015265.D (-365) (-)

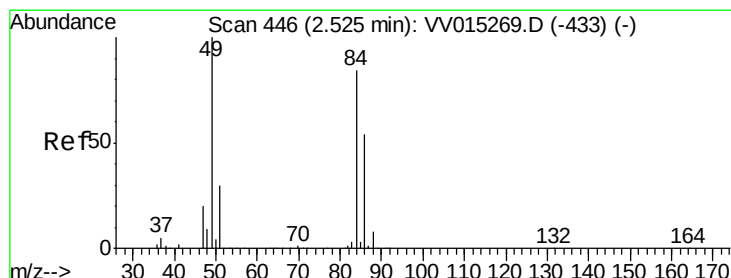
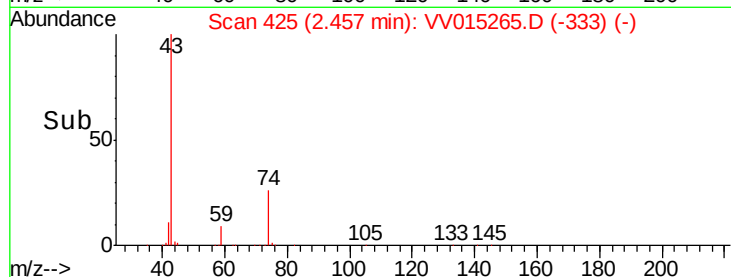
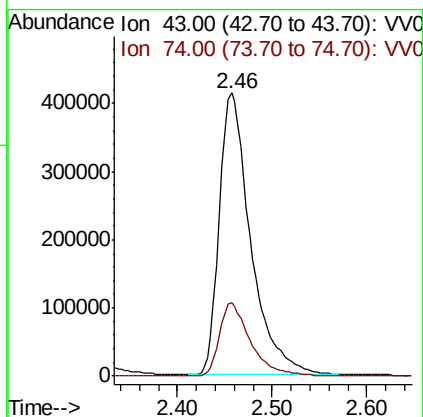
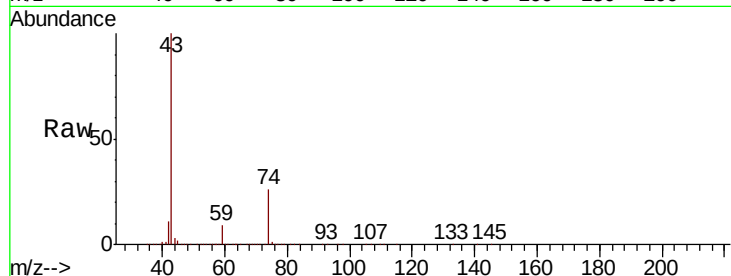




#15
Methvl Acetate
Concen: 191.016 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

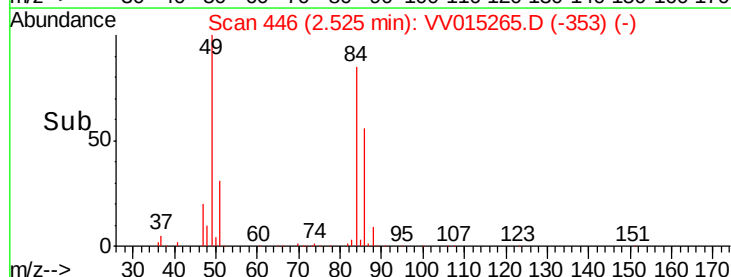
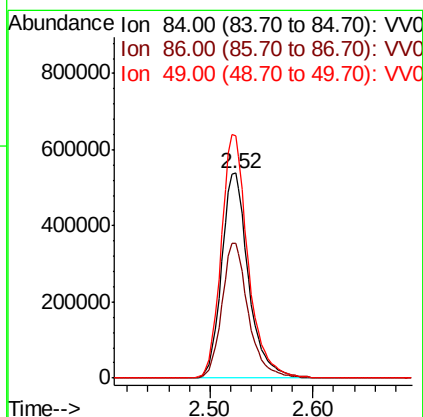
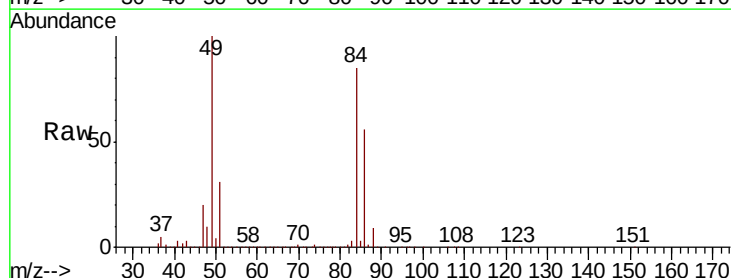
Instrument :
MSVOA_V
ClientSampleId :

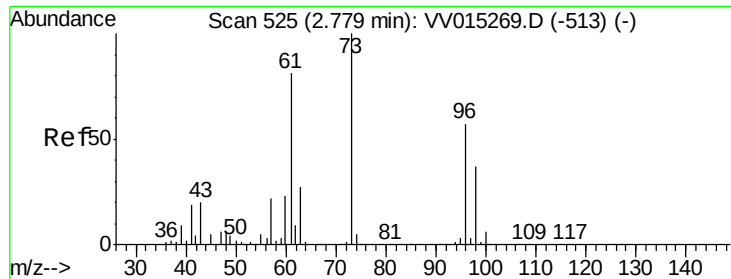
Tot Ion: 43 Resp: 956785
Ion Ratio Lower Upper
43 100
74 25.7 20.3 30.5



#16
Methylene chloride
Concen: 184.223 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Tgt Ion: 84 Resp: 977250
Ion Ratio Lower Upper
84 100
86 66.1 45.5 84.5
49 118.3 83.7 155.4

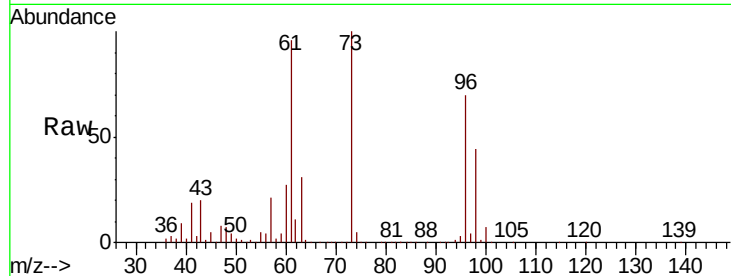




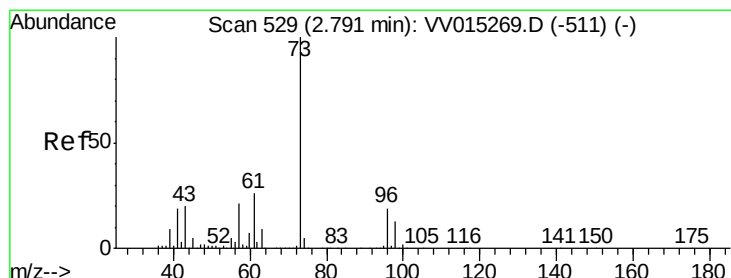
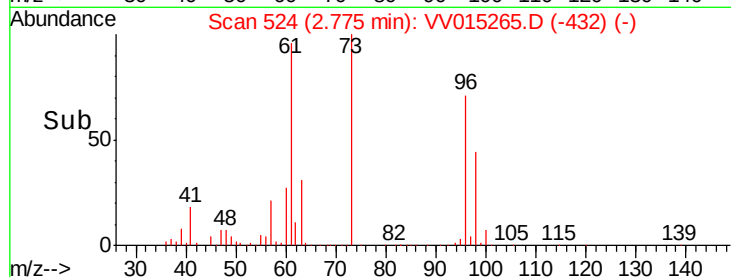
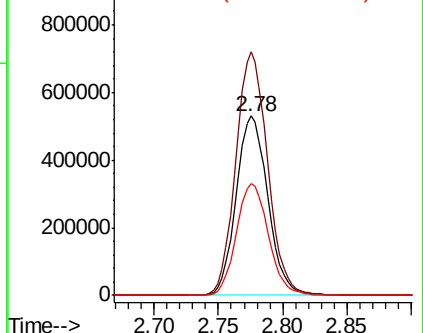
#17
trans-1,2-Dichloroethene
Concen: 190.984 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 907447
Ion Ratio Lower Upper
96 100
61 135.8 98.5 182.9
98 62.6 45.5 84.5

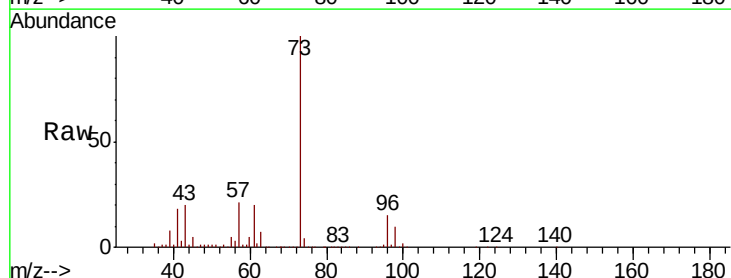


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

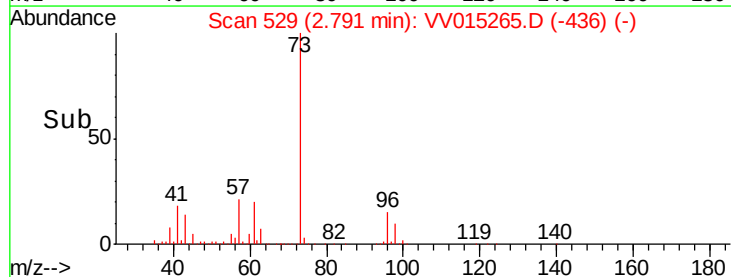
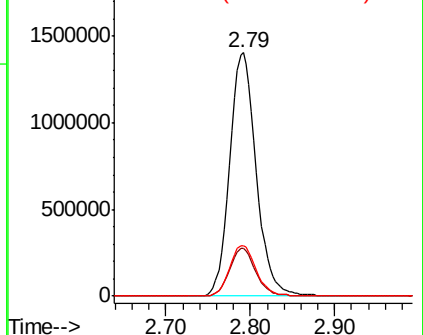


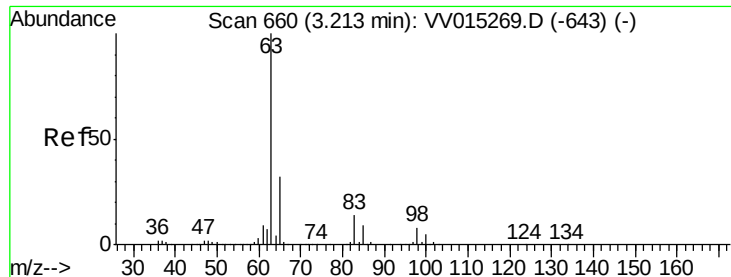
#18
Methyl tert-butyl Ether
Concen: 189.353 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Tgt Ion: 73 Resp: 3063301
Ion Ratio Lower Upper
73 100
43 19.4 15.7 23.5
57 20.9 16.6 25.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0



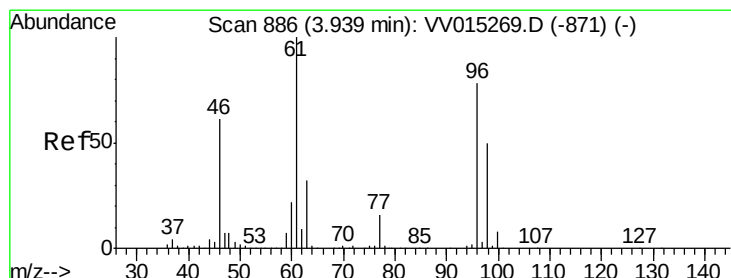
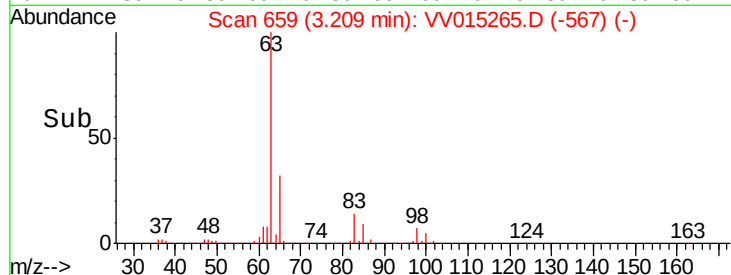
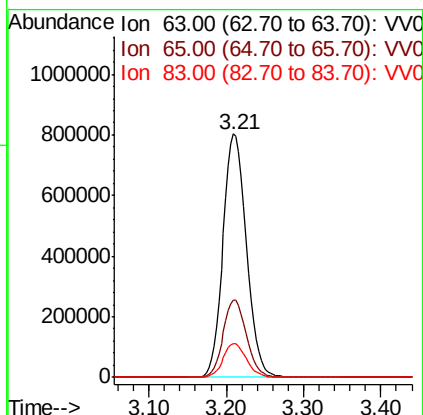
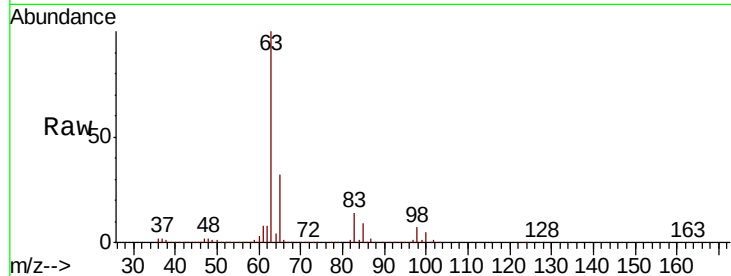


#19
 1,1-Dichloroethane
 Concen: 190.392 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015265.D
 Acq: 30 Mar 2020 10:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 1686595

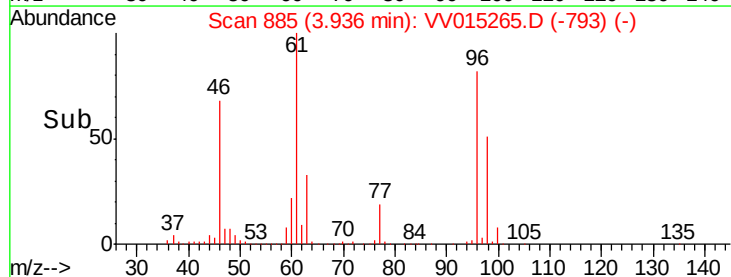
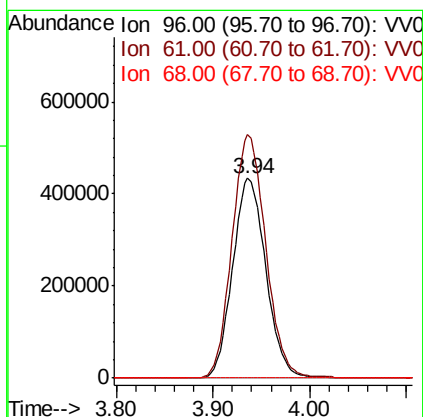
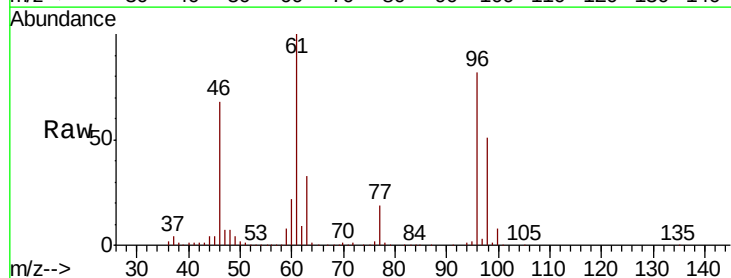
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.2	41.2
83	14.0	9.7	18.1

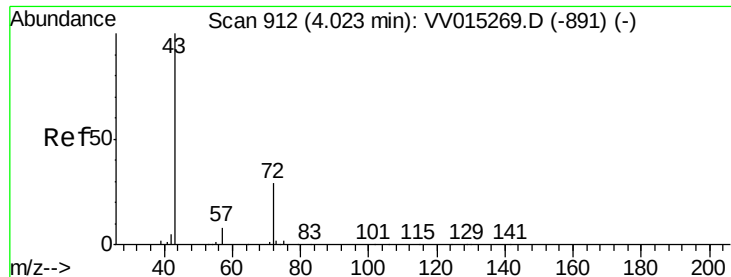


#20
 cis-1,2-Dichloroethene
 Concen: 194.097 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015265.D
 Acq: 30 Mar 2020 10:33

Tgt Ion: 96 Resp: 1036699

Ion	Ratio	Lower	Upper
96	100		
61	122.0	90.2	167.6
68	0.0	0.1	0.1#





#22

2-Butanone

Concen: 373.816 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.01 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

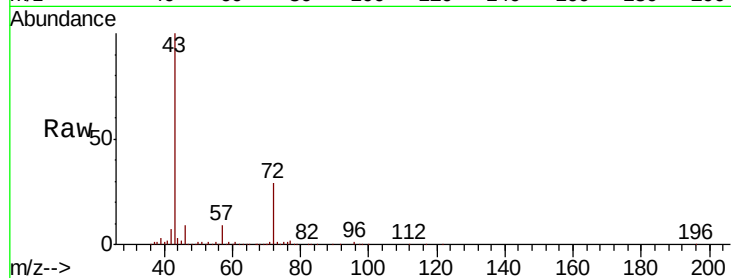
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1402240

Ion Ratio Lower Upper

43 100

72 28.0 12.4 37.0



Abundance Ion 43.00 (42.70 to 43.70): VV015269.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV015269.D (-891) (-)

4.01

400000

300000

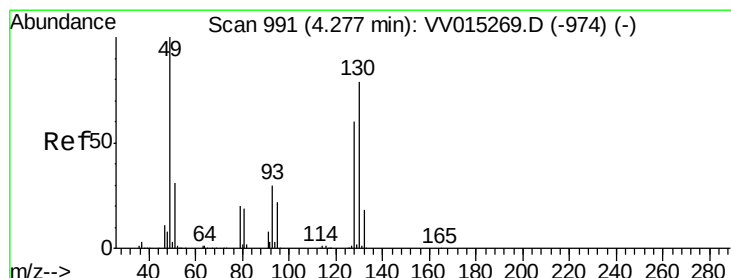
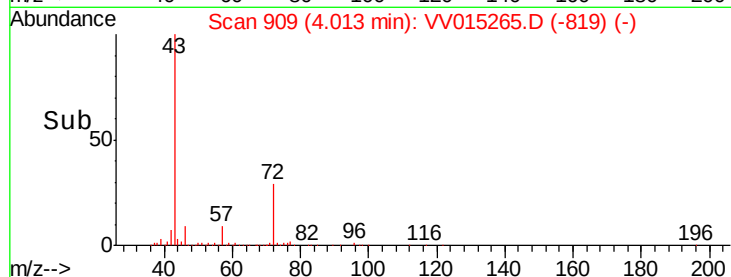
200000

100000

0

Time-->

3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 197.282 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Tgt Ion:128 Resp: 519105

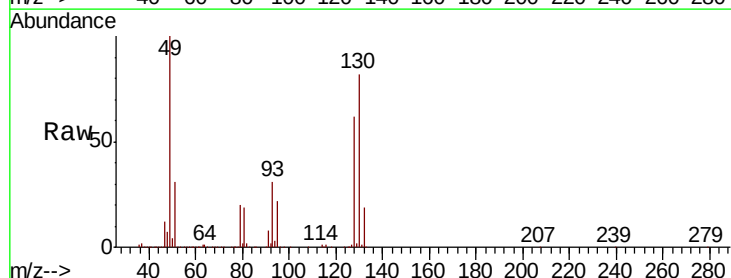
Ion Ratio Lower Upper

128 100

49 160.7 116.3 216.1

130 131.4 91.1 169.3

51 49.8 41.2 61.8



Abundance Ion 128.00 (127.70 to 128.70): VV015269.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV015269.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV015269.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV015269.D (-974) (-)

500000

400000

300000

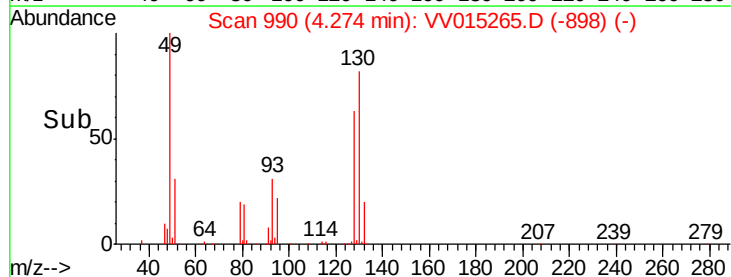
200000

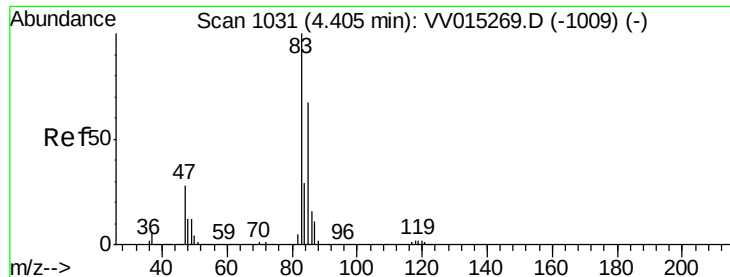
100000

0

Time-->

4.20 4.30 4.40

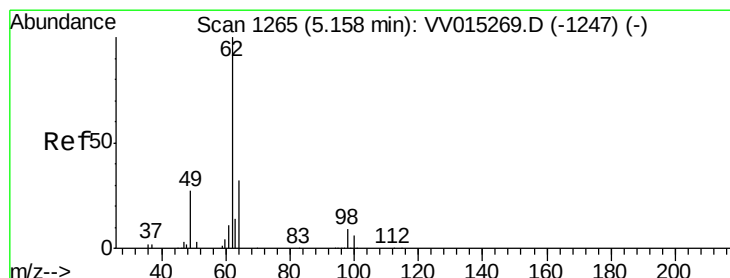
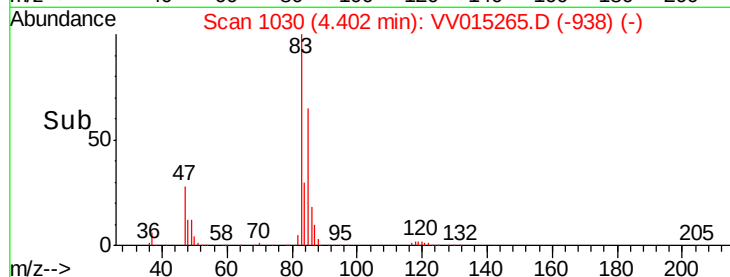
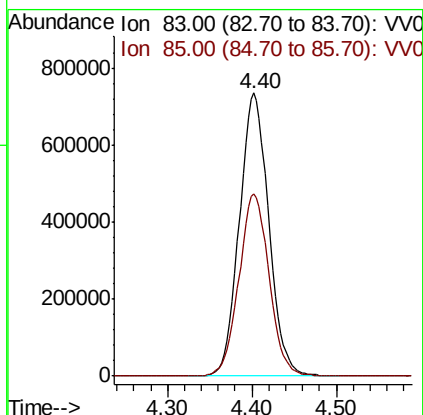
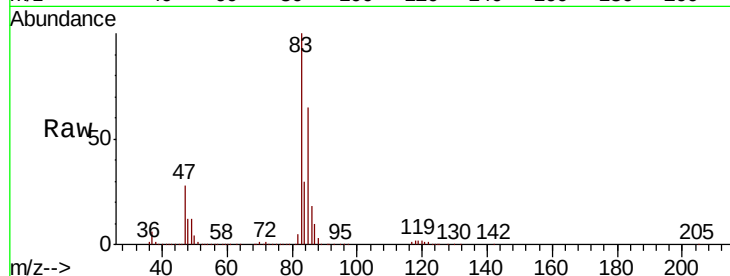




#25
Chloroform
Concen: 188.413 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

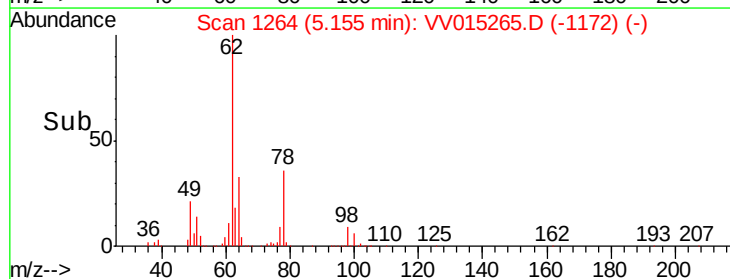
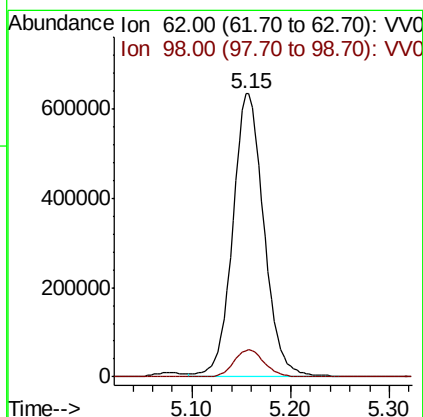
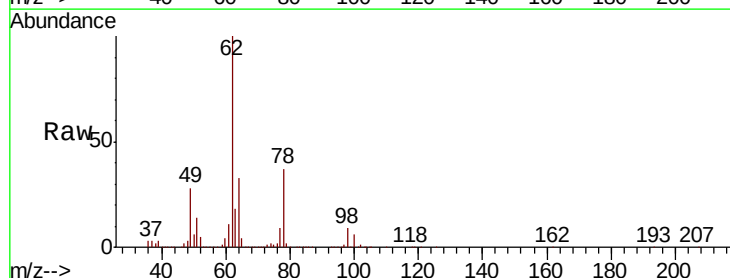
Instrument :
MSVOA_V
ClientSampleId :

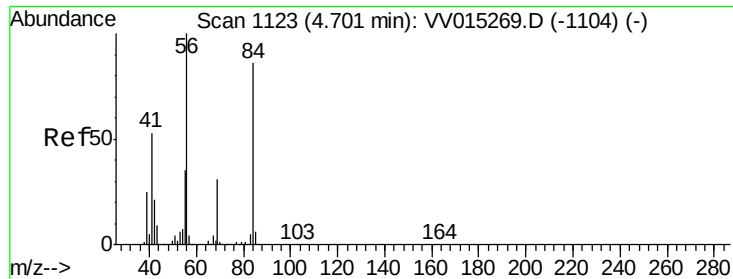
Tot Ion: 83 Resp: 1782068
Ion Ratio Lower Upper
83 100
85 64.6 46.6 86.6



#27
1,2-Dichloroethane
Concen: 184.356 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Tgt Ion: 62 Resp: 1386868
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.0

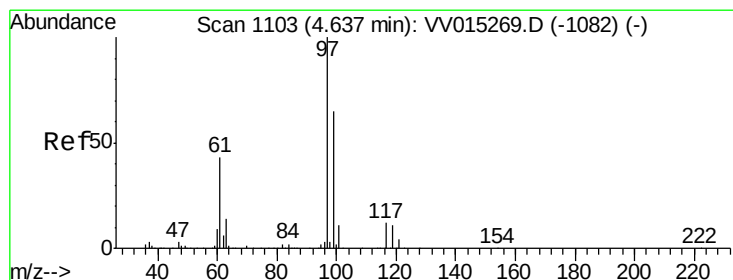
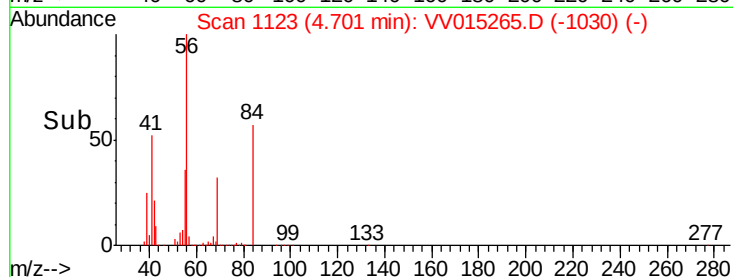
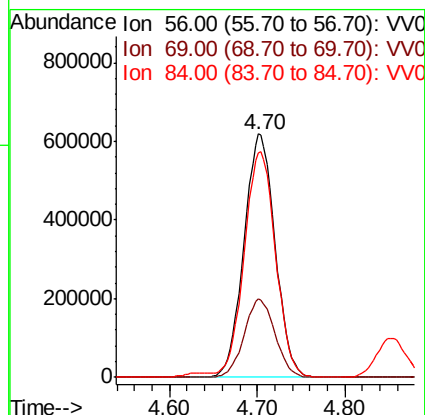
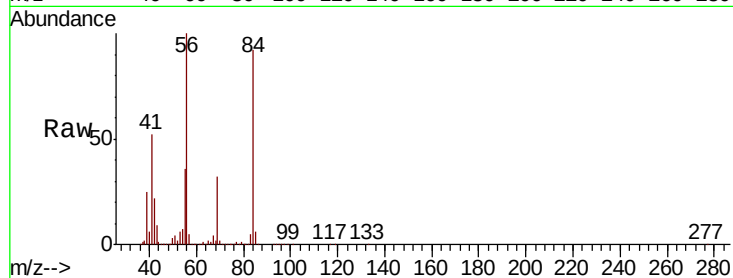




#29
Cyclohexane
Concen: 192.426 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

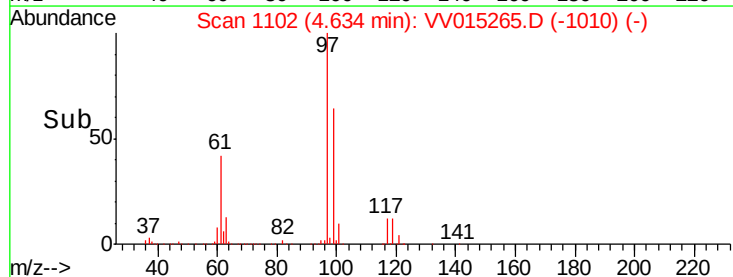
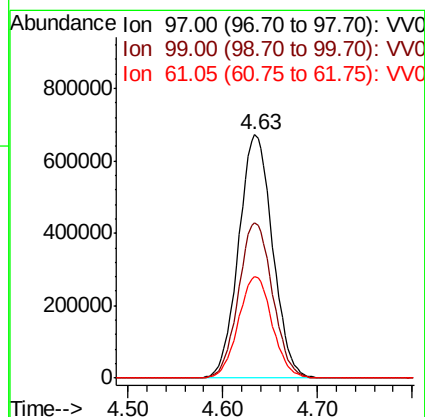
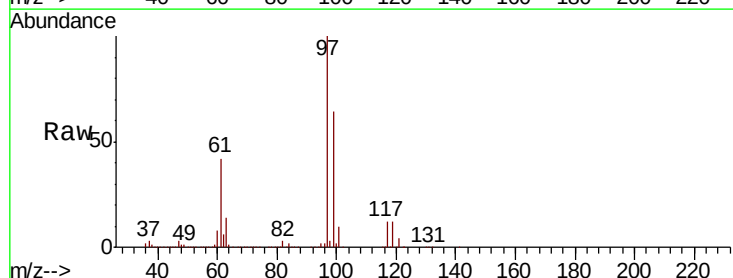
Instrument :
MSVOA_V
ClientSampleId :

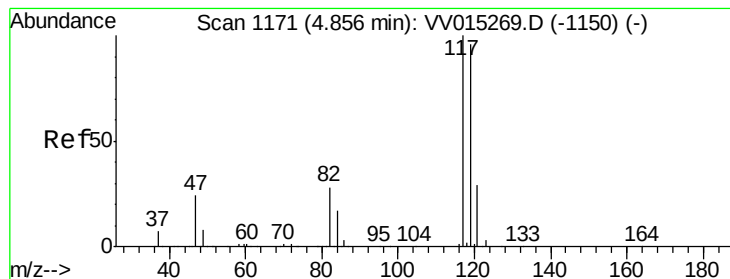
Tot Ion: 56 Resp: 1523130
Ion Ratio Lower Upper
56 100
69 31.9 25.3 37.9
84 93.5 72.7 109.1



#30
1,1,1-Trichloroethane
Concen: 197.606 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Tgt Ion: 97 Resp: 1673272
Ion Ratio Lower Upper
97 100
99 64.0 50.9 76.3
61 41.6 34.3 51.5





#31

Carbon tetrachloride

Concen: 199.888 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Instrument :

MSVOA_V

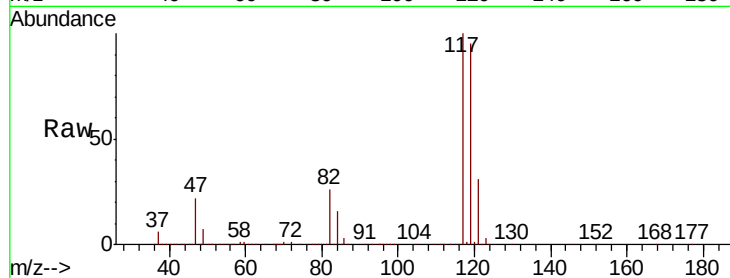
ClientSampled :

Tot Ion:117 Resp: 1433881

Ion Ratio Lower Upper

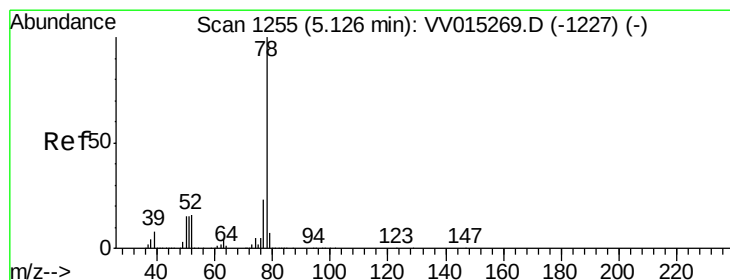
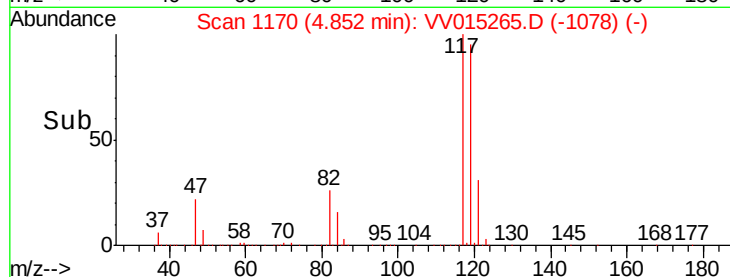
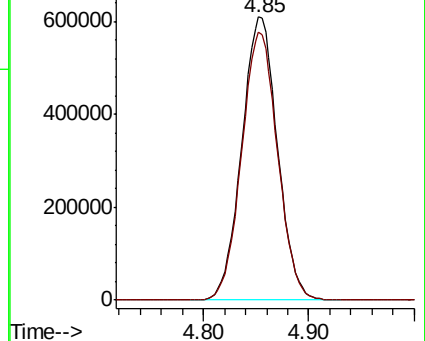
117 100

119 95.4 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 194.101 ug/L

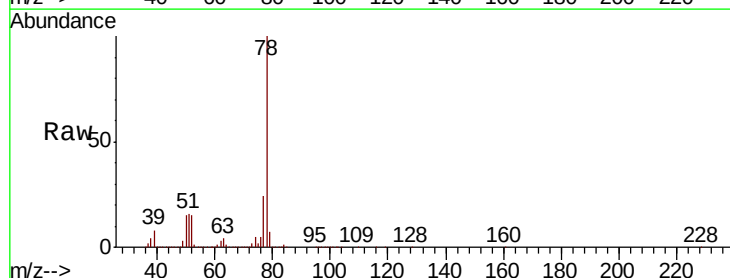
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

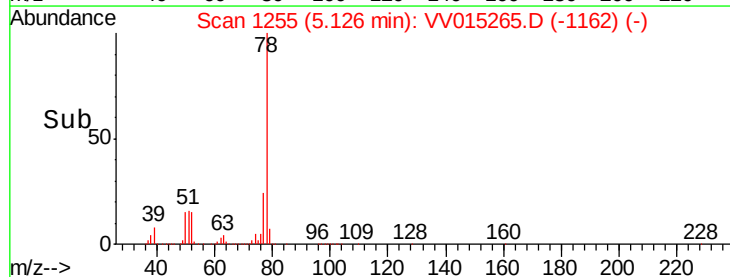
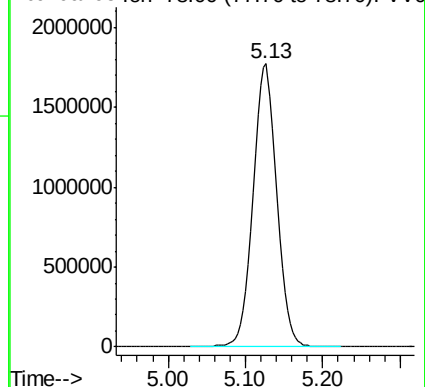
Lab File: VV015265.D

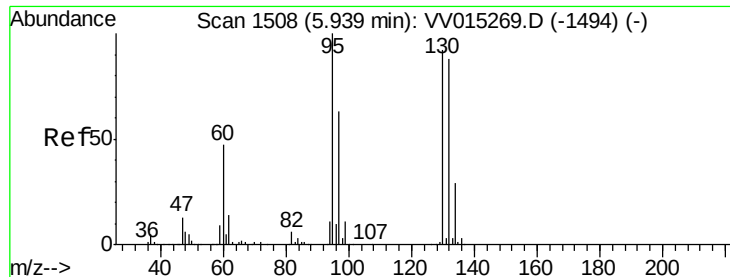
Acq: 30 Mar 2020 10:33

Tgt Ion: 78 Resp: 3837486



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 195.336 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 1036011

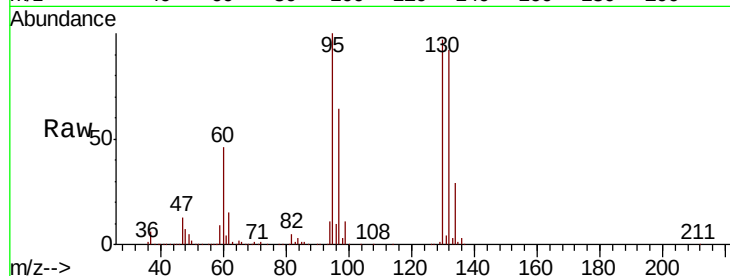
Ion Ratio Lower Upper

95 100

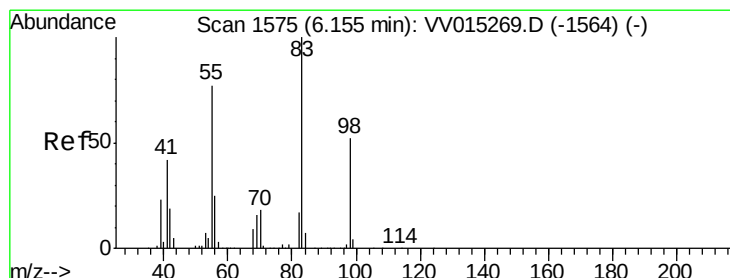
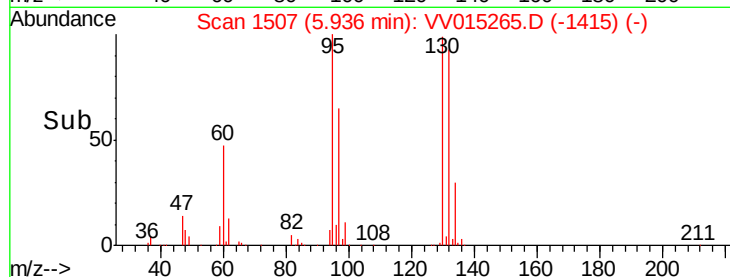
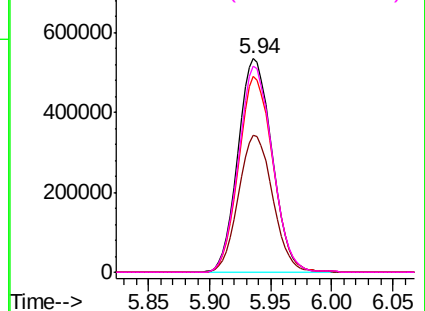
97 63.9 44.0 81.6

132 91.5 61.8 114.8

130 96.7 64.5 119.9



Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 97.00 (96.70 to 97.70): VV0
Ion 132.00 (131.70 to 132.70): VV0
Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 196.780 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

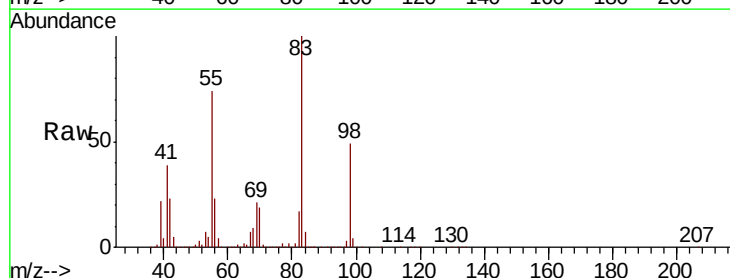
Tgt Ion: 83 Resp: 1636981

Ion Ratio Lower Upper

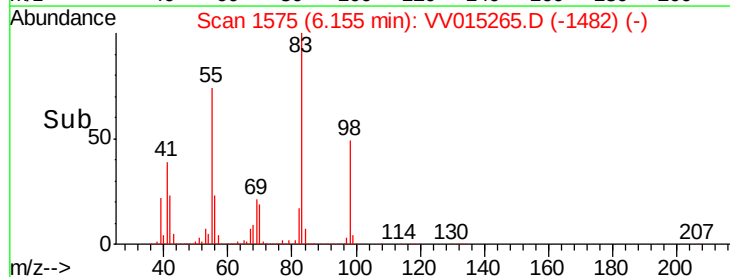
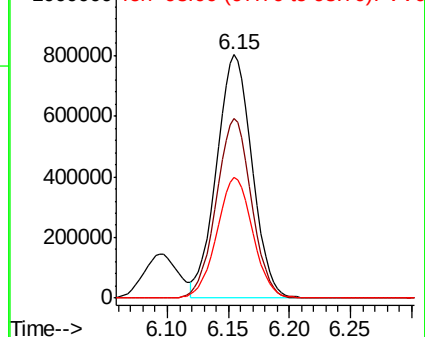
83 100

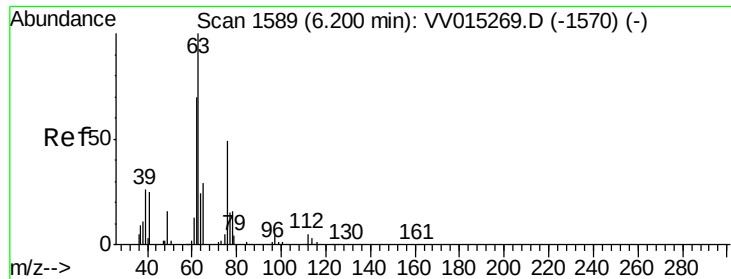
55 72.9 59.4 89.2

98 50.1 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 193.516 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Instrument :

MSVOA_V

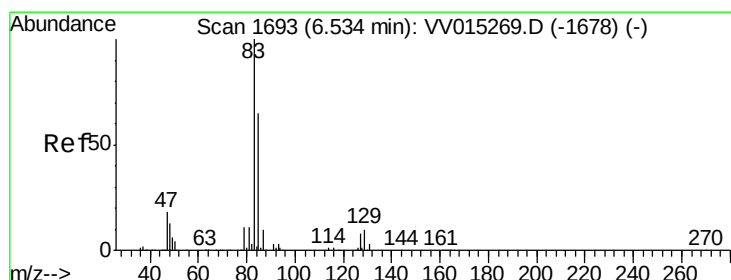
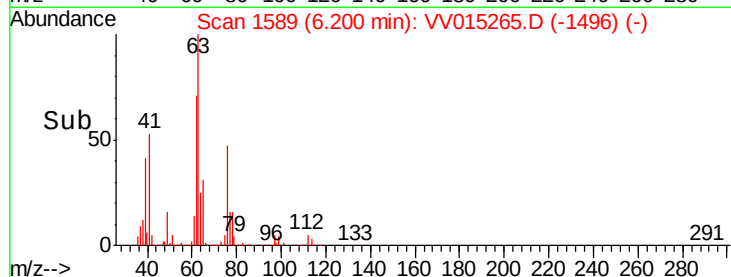
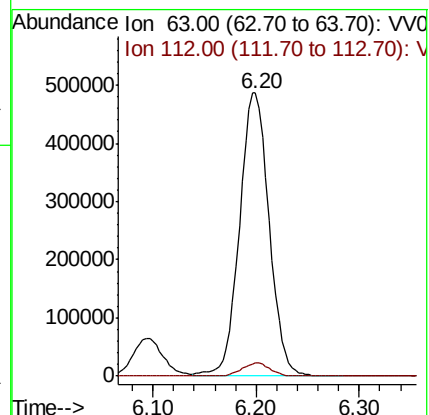
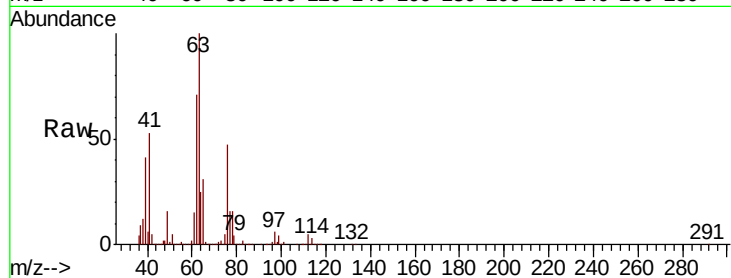
ClientSampled :

Tot Ion: 63 Resp: 973153

Ion Ratio Lower Upper

63 100

112 4.5 3.7 5.5



#38

Bromodichloromethane

Concen: 196.182 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

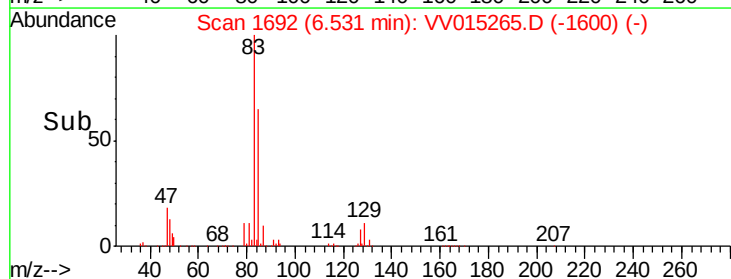
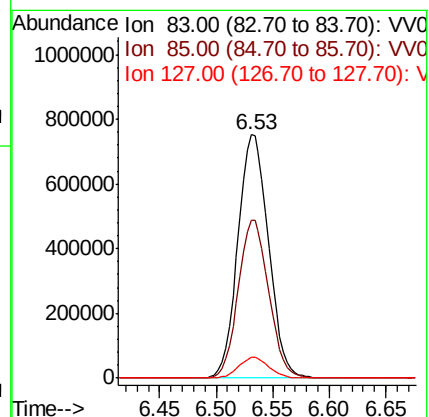
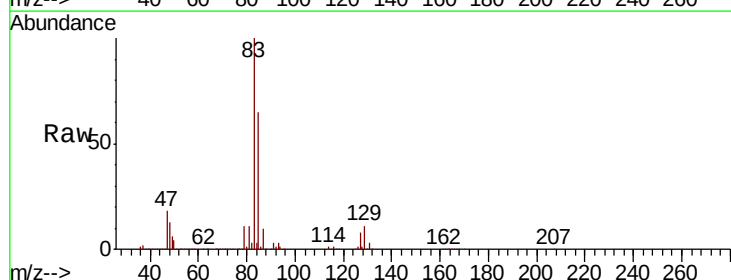
Tgt Ion: 83 Resp: 1418717

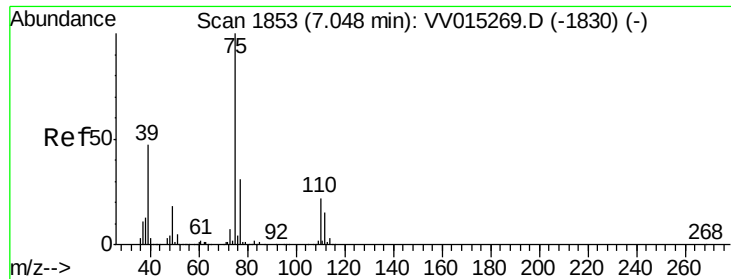
Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.9

127 8.5 6.3 9.5



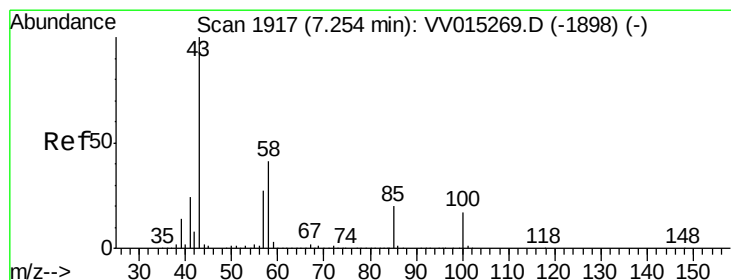
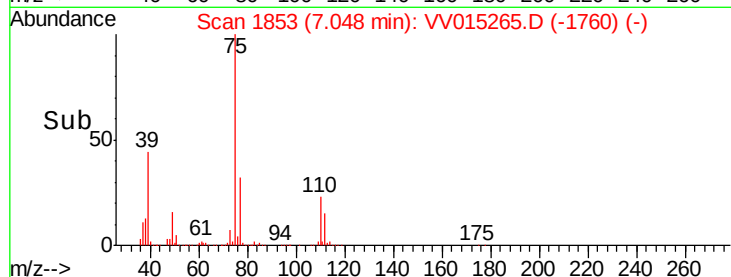
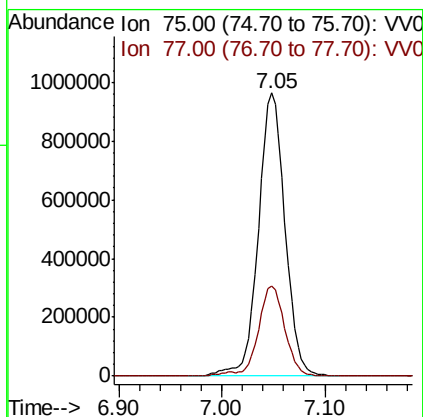
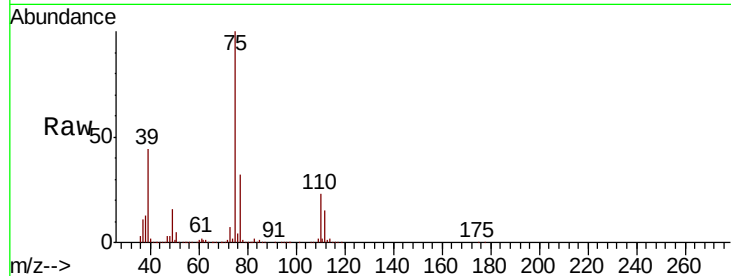


#39

cis-1,3-Dichloropropene
Concen: 202.550 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Instrument :
MSVOA_V
ClientSampleId :

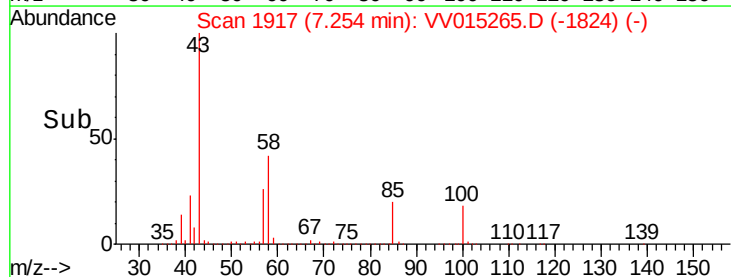
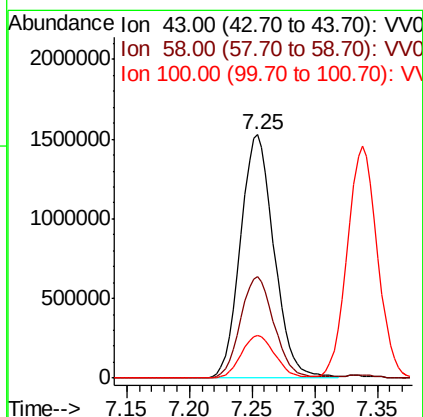
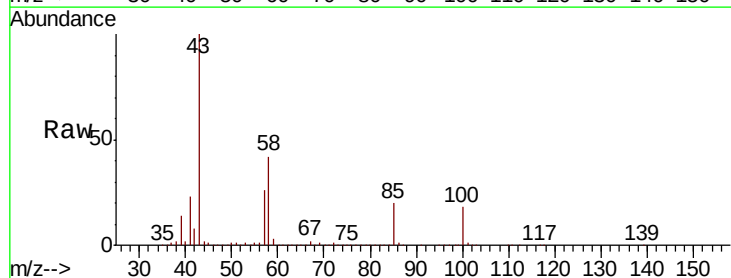
Tot Ion: 75 Resp: 1720233
Ion Ratio Lower Upper
75 100
77 31.9 21.6 40.0

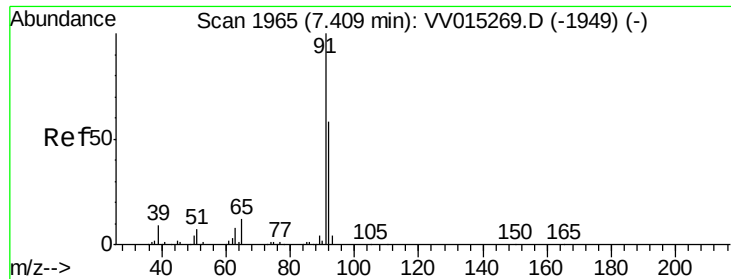


#40

4-Methyl-2-pentanone
Concen: 380.728 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Tgt Ion: 43 Resp: 2846760
Ion Ratio Lower Upper
43 100
58 41.8 32.9 49.3
100 17.8 13.9 20.9





#42

Toluene

Concen: 196.030 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

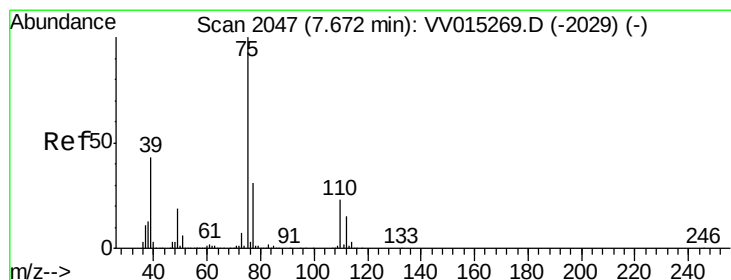
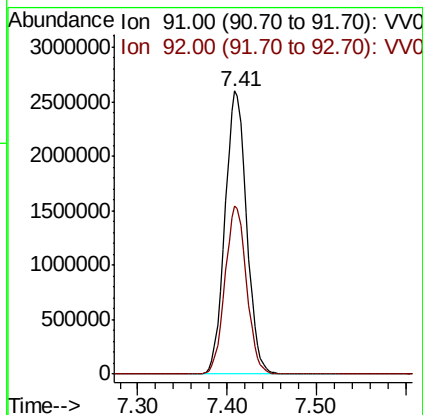
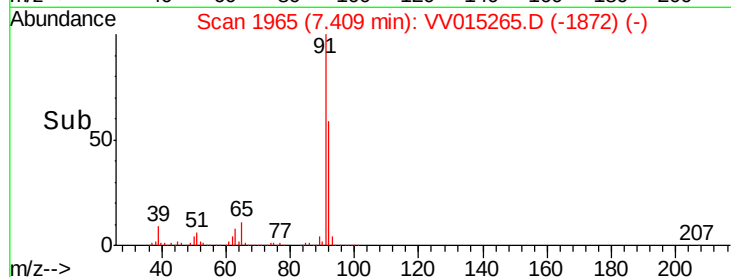
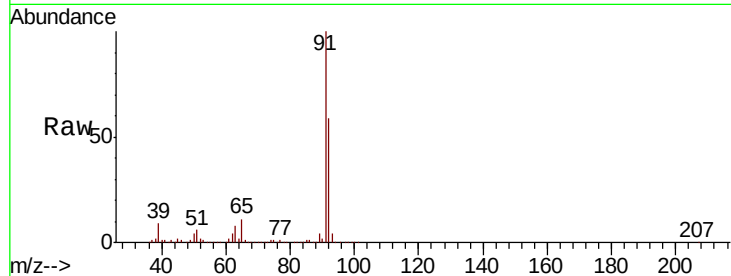
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 4350767

Ion Ratio Lower Upper

91 100

92 59.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 200.642 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015265.D

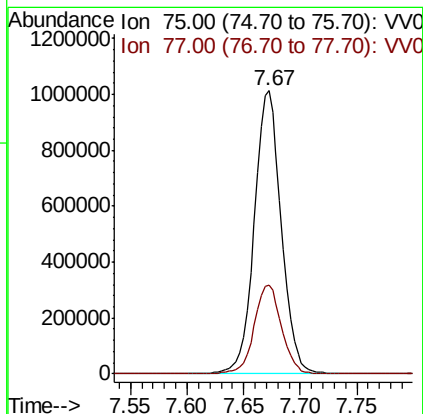
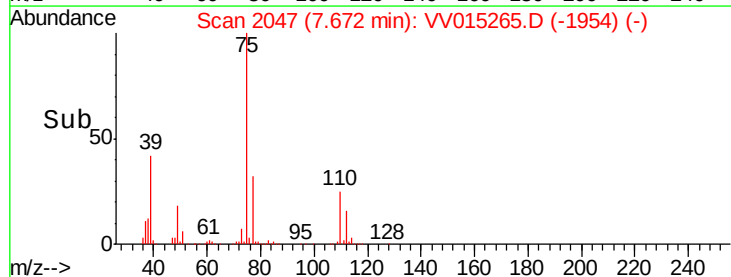
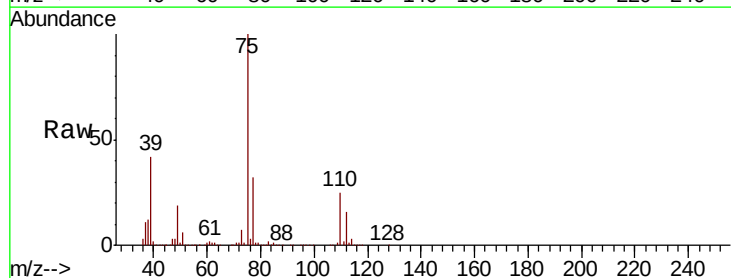
Acq: 30 Mar 2020 10:33

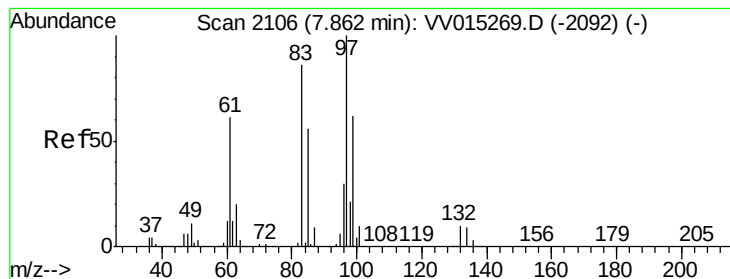
Tgt Ion: 75 Resp: 1674334

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 195.908 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

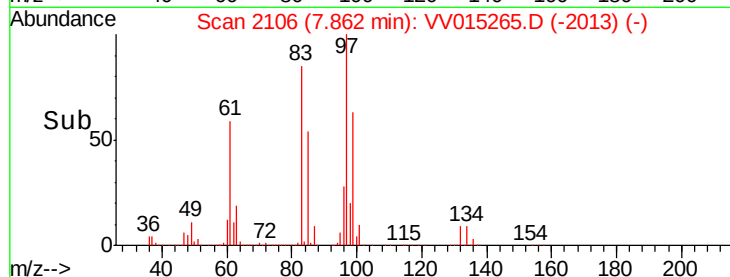
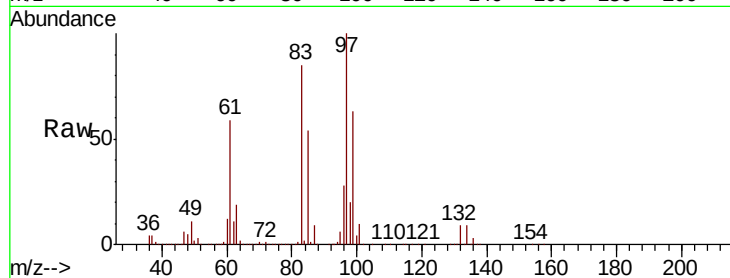
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 992492

Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.6	81.0
83	84.5	60.0	111.4
85	54.4	39.3	72.9

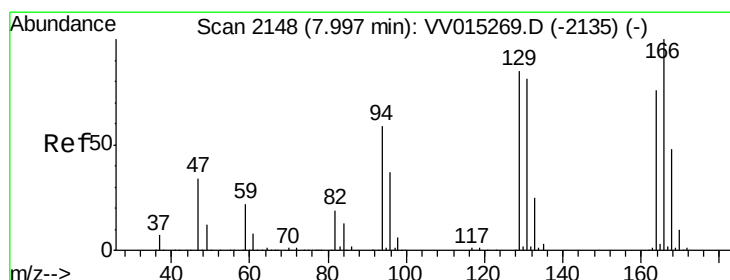
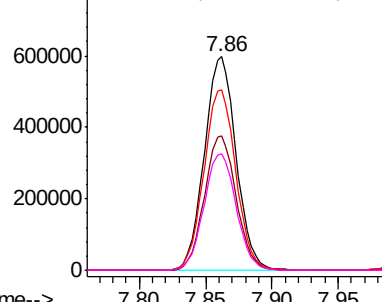


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 205.698 ug/L

RT: 8.00 min Scan# 2148

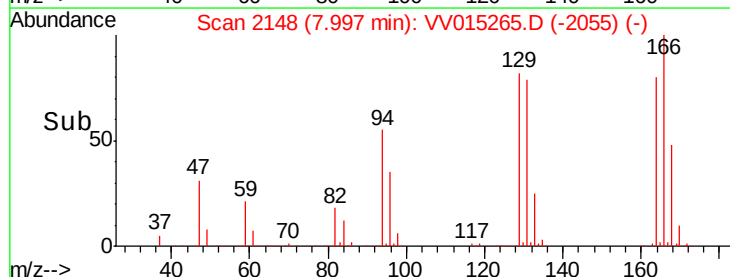
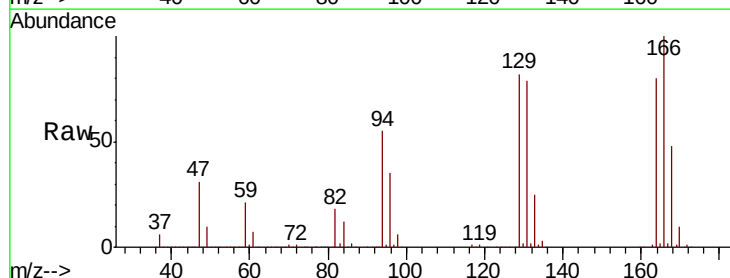
Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Tgt Ion: 164 Resp: 721902

Ion	Ratio	Lower	Upper
164	100		
129	103.3	77.8	144.4
131	98.9	73.9	137.3
166	125.5	91.7	170.3

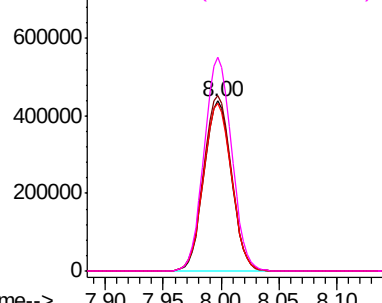


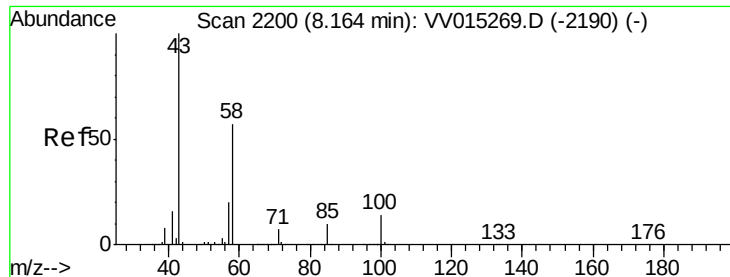
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



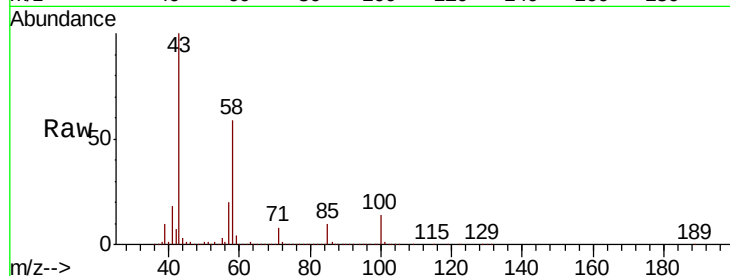


#48
2-Hexanone
Concen: 393.375 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 2256422

Ion	Ratio	Lower	Upper
43	100		
58	59.1	47.0	70.6
57	20.3	16.2	24.2
100	13.9	11.0	16.6



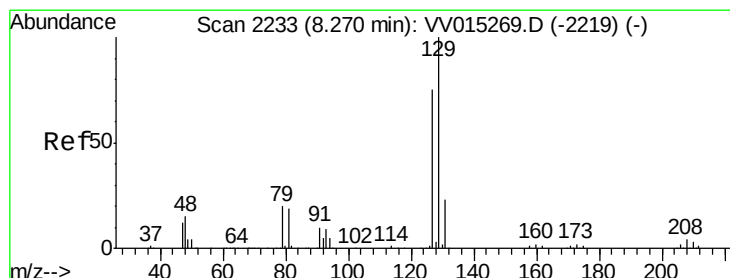
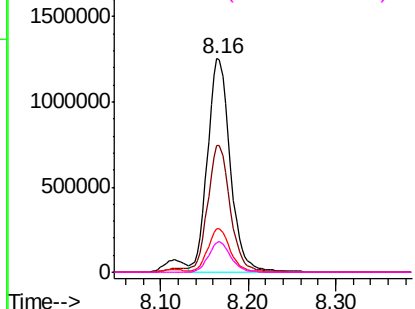
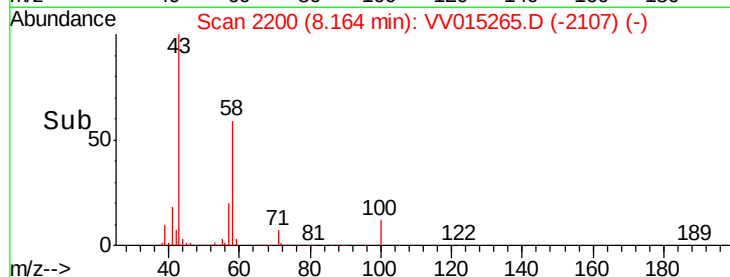
Abundance

Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

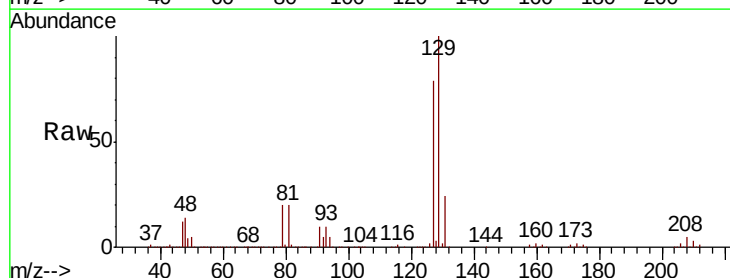
Ion 100.00 (99.70 to 100.70): VV0



#49
Dibromochloromethane
Concen: 206.330 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Tgt Ion: 129 Resp: 1142405

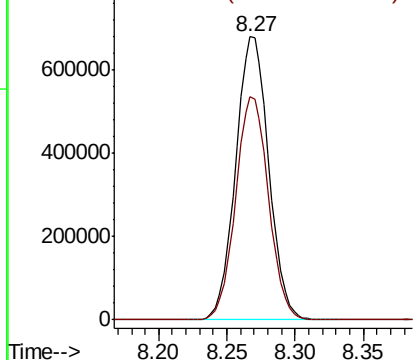
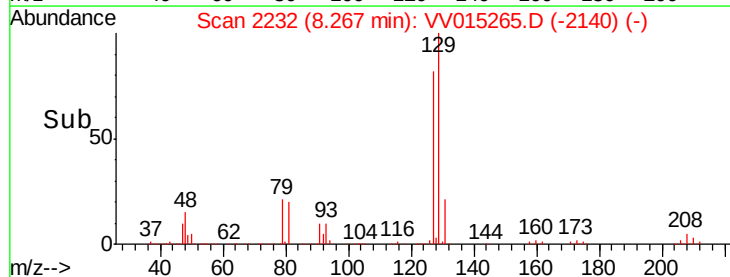
Ion	Ratio	Lower	Upper
129	100		
127	78.8	52.8	98.2

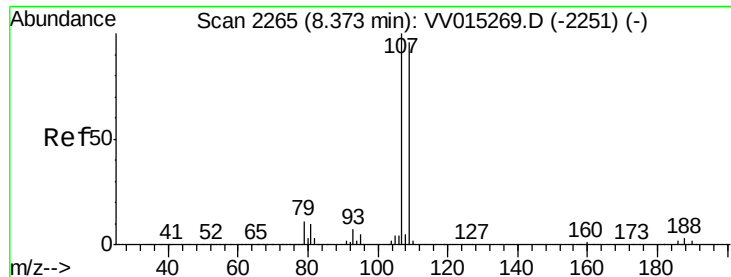


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

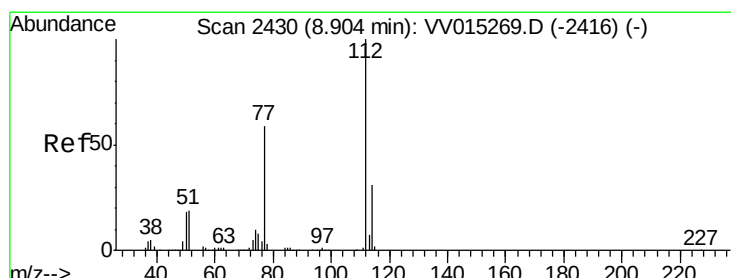
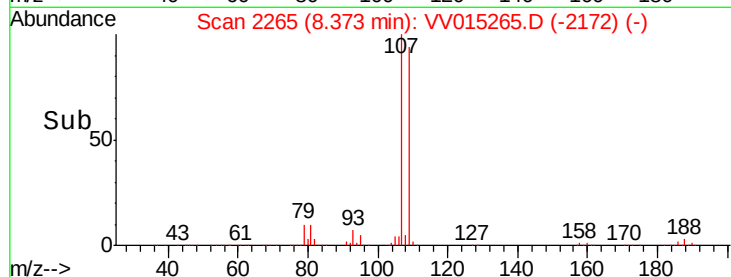
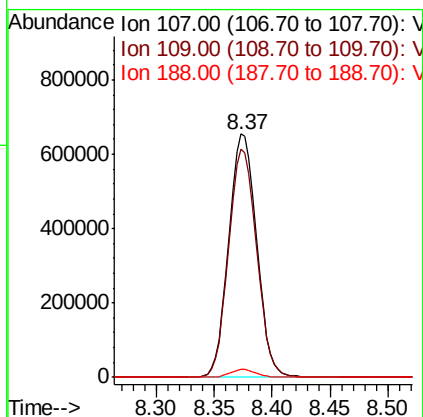
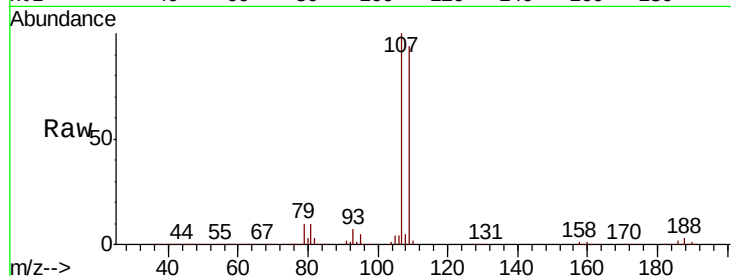




#50
1,2-Dibromoethane
Concen: 197.597 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

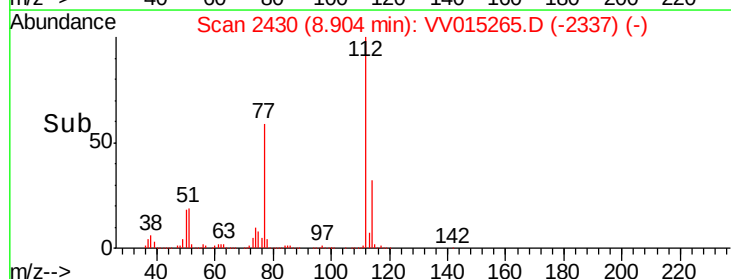
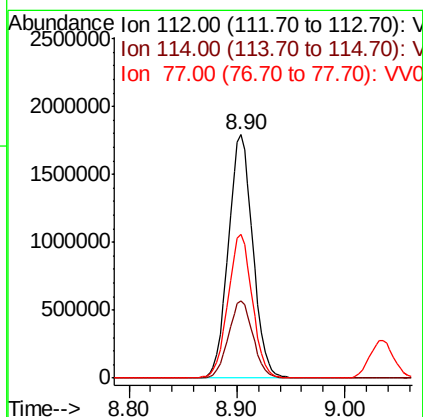
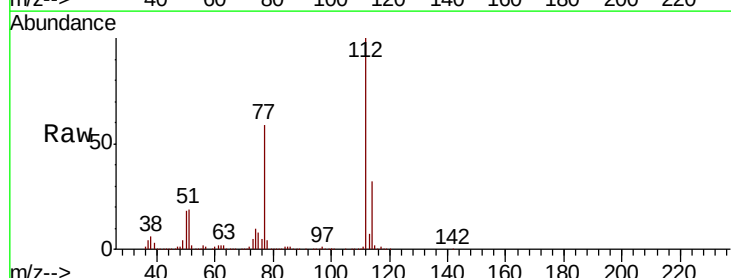
Instrument :
MSVOA_V
ClientSampleId :

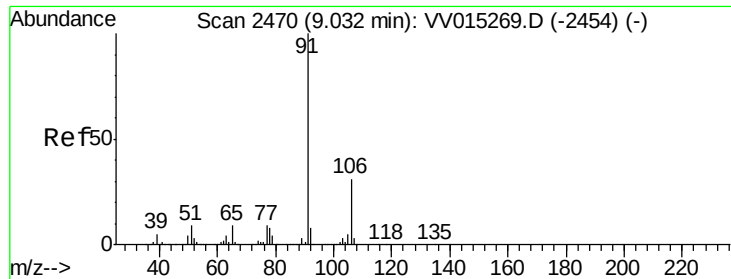
Tot Ion:107 Resp: 1087664
Ion Ratio Lower Upper
107 100
109 93.8 67.1 124.7
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 195.633 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015265.D
Acq: 30 Mar 2020 10:33

Tgt Ion:112 Resp: 2825822
Ion Ratio Lower Upper
112 100
114 31.7 21.7 40.3
77 59.1 47.9 71.9





#52

Ethylbenzene

Concen: 197.064 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Instrument :

MSVOA_V

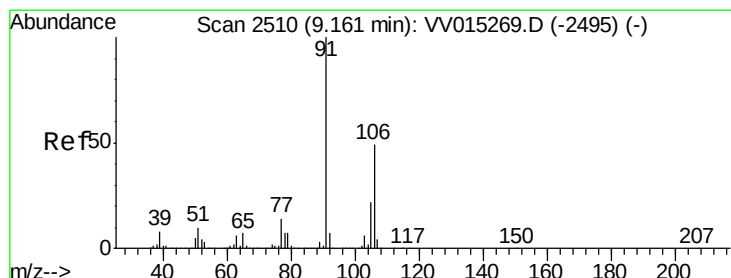
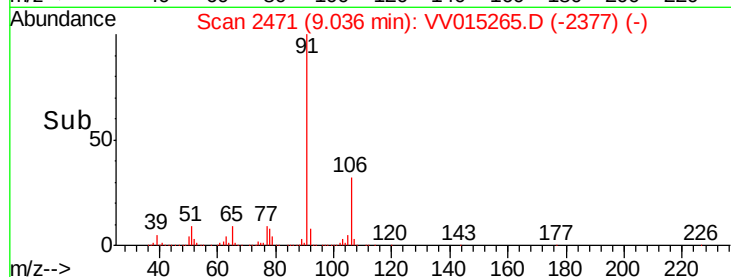
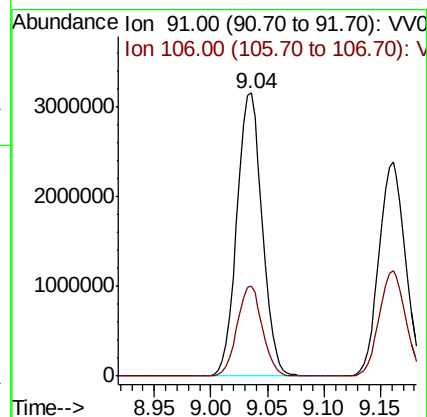
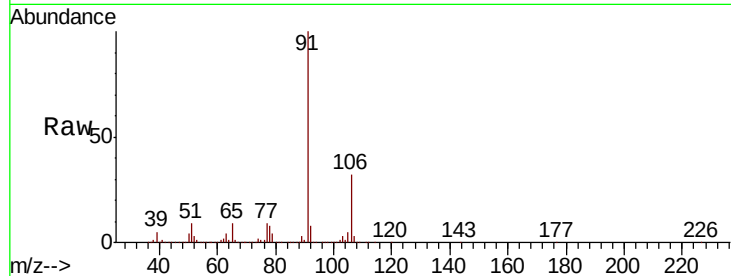
ClientSampleId :

Tot Ion: 91 Resp: 4932090

Ion Ratio Lower Upper

91 100

106 32.0 22.0 40.8



#53

m,p-Xylene

Concen: 200.053 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015265.D

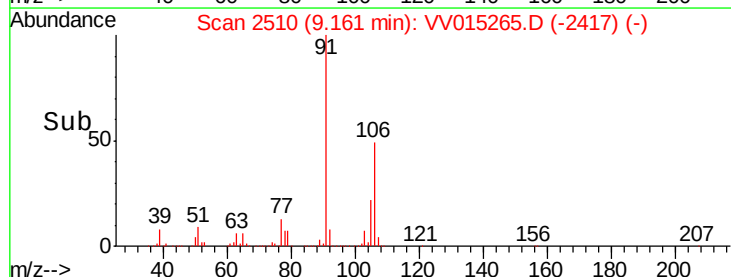
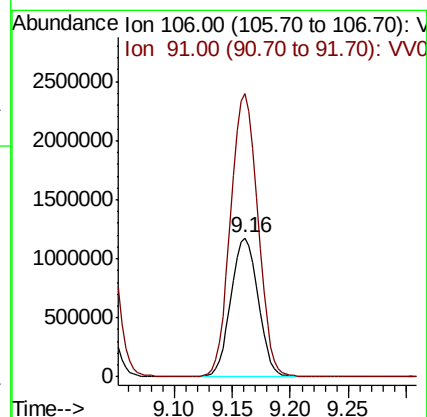
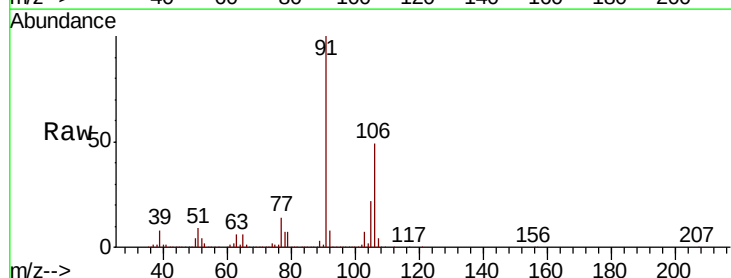
Acq: 30 Mar 2020 10:33

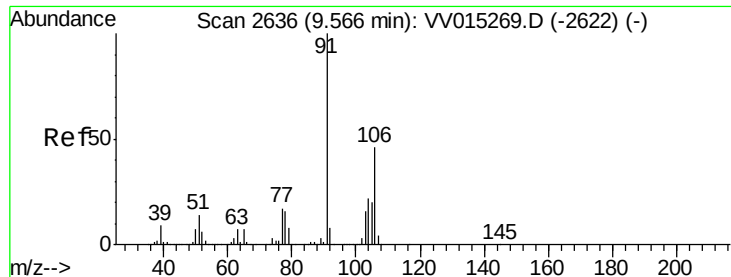
Tgt Ion: 106 Resp: 1909748

Ion Ratio Lower Upper

106 100

91 203.5 143.1 265.9





#54

o-xylene

Concen: 197.954 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Instrument :

MSVOA_V

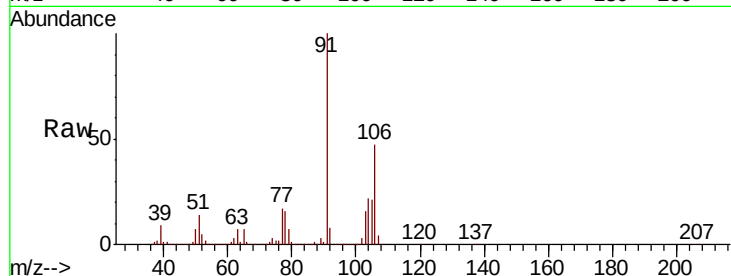
ClientSampleId :

Tot Ion:106 Resp: 1879906

Ion Ratio Lower Upper

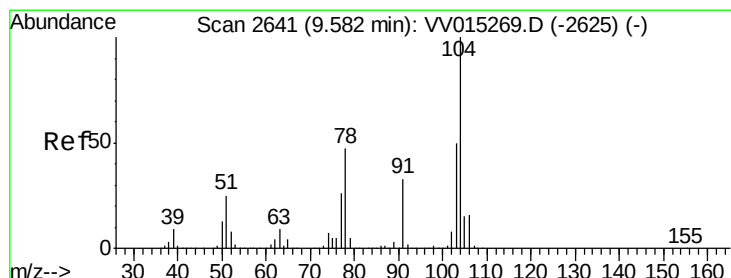
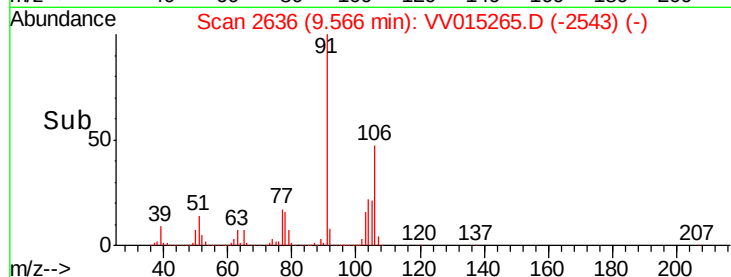
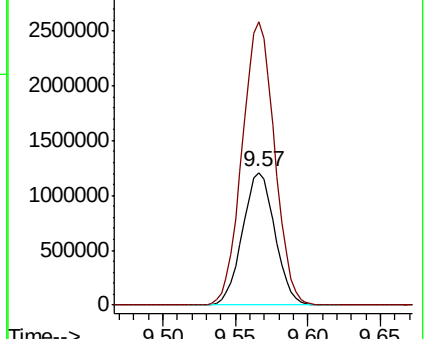
106 100

91 213.9 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 201.210 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015265.D

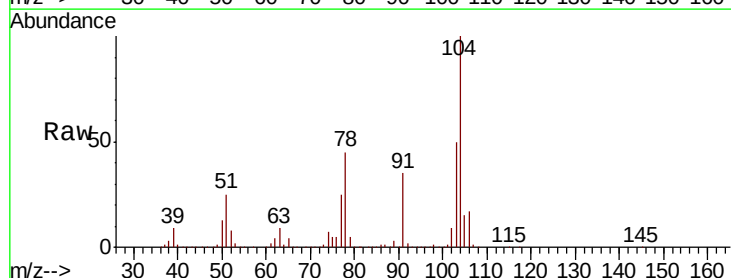
Acq: 30 Mar 2020 10:33

Tgt Ion:104 Resp: 3260694

Ion Ratio Lower Upper

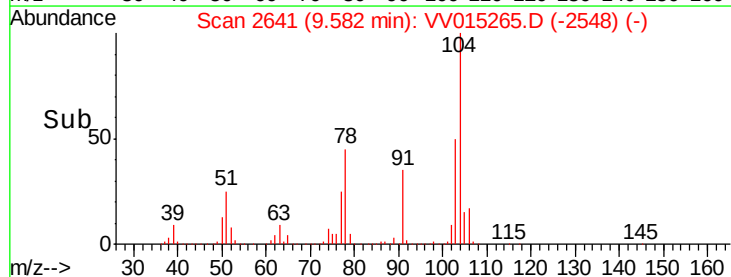
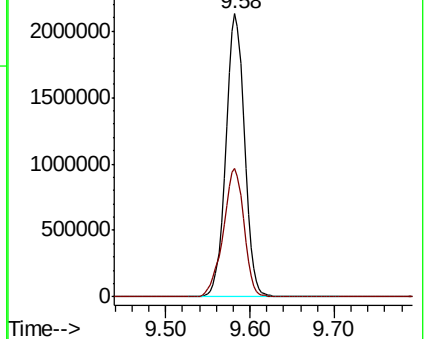
104 100

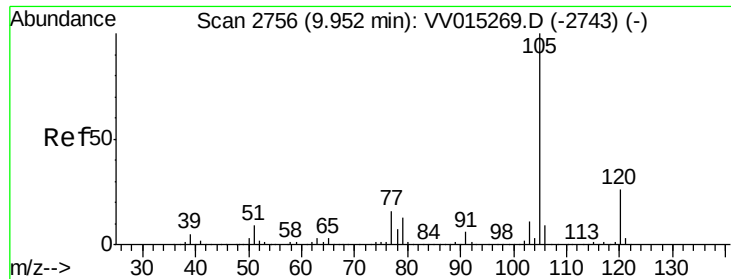
78 45.5 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 197.662 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Instrument :

MSVOA_V

ClientSampleId :

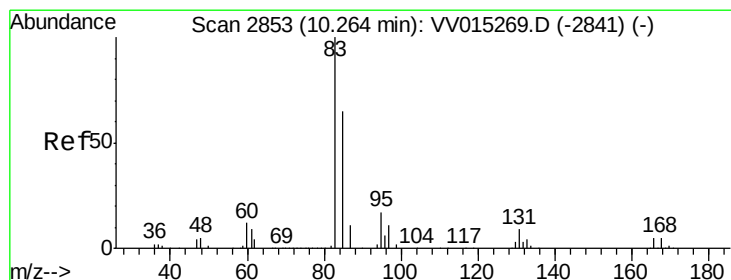
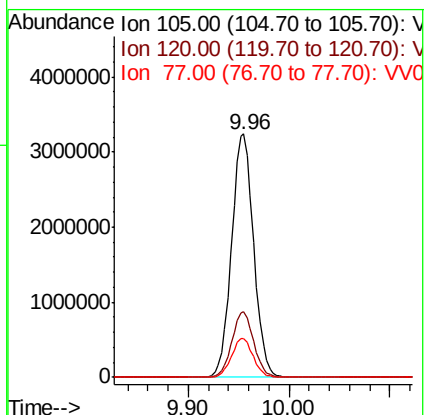
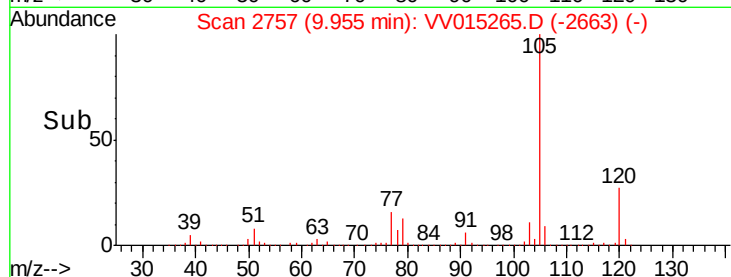
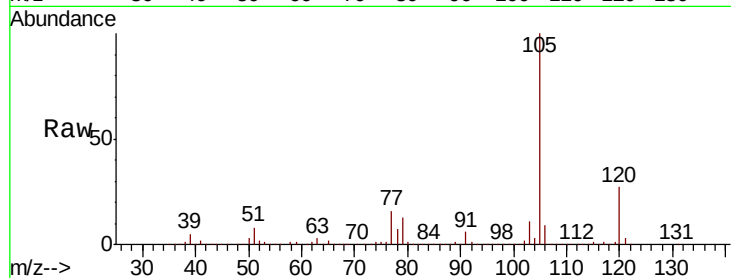
Tot Ion:105 Resp: 4941244

Ion Ratio Lower Upper

105 100

120 26.7 20.7 31.1

77 15.7 12.8 19.2



#58

1,1,2,2-Tetrachloroethane

Concen: 195.324 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

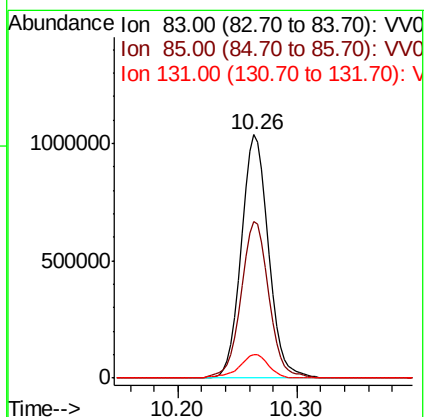
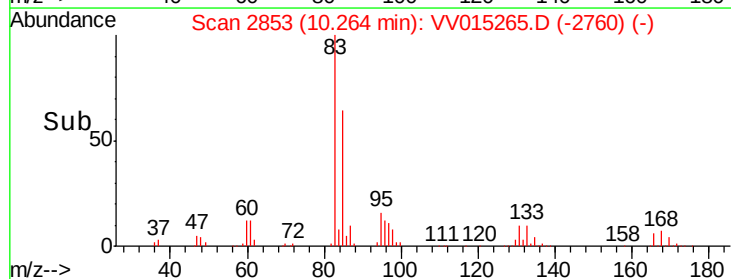
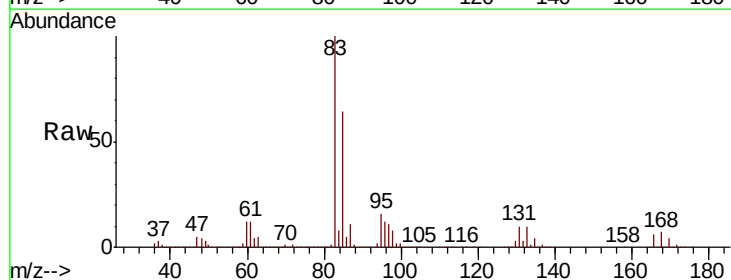
Tgt Ion: 83 Resp: 1642226

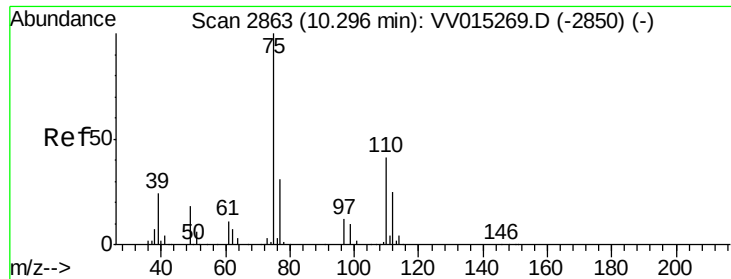
Ion Ratio Lower Upper

83 100

85 64.3 46.3 85.9

131 9.7 7.6 11.4

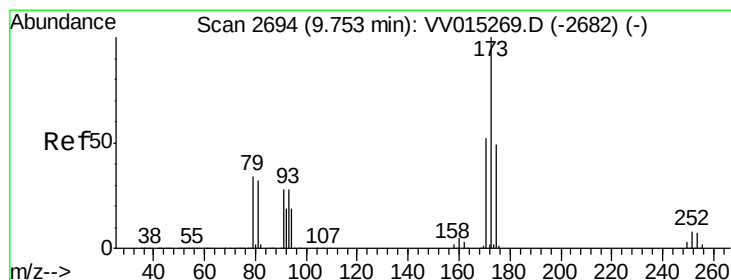
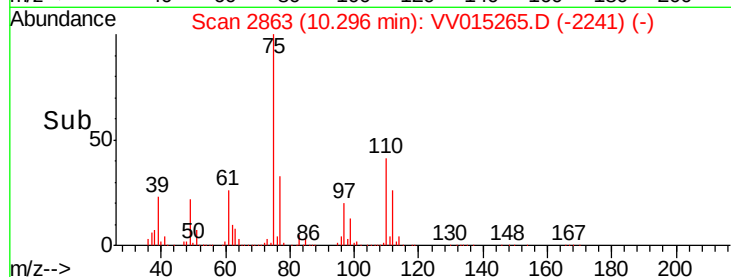
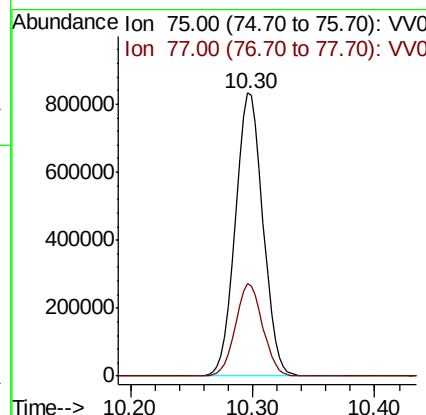
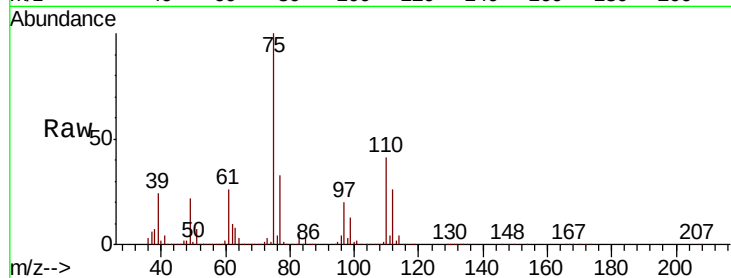




#59
 1,2,3-Trichloropropane
 Concen: 188.697 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV015265.D
 Acq: 30 Mar 2020 10:33

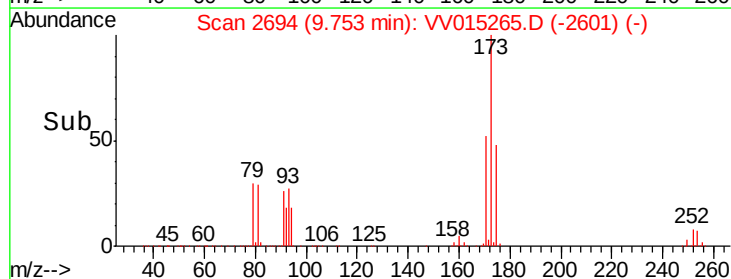
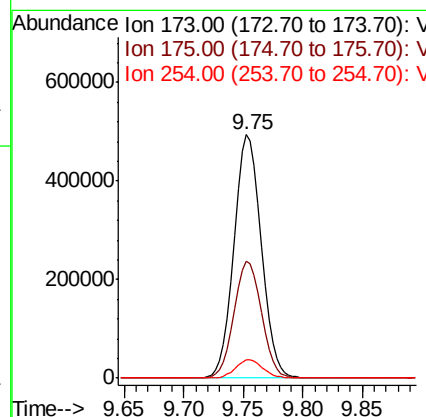
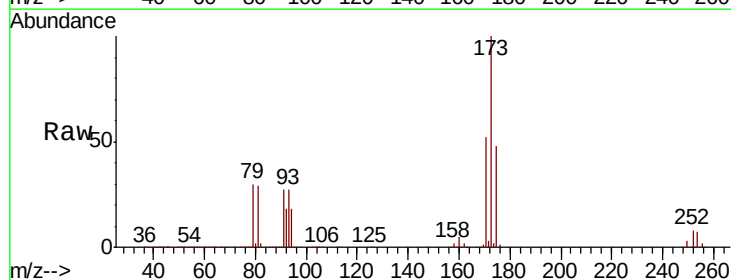
Instrument :
 MSVOA_V
 ClientSampleId :

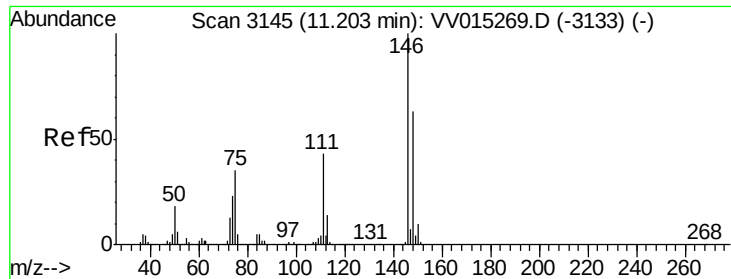
Tot Ion: 75 Resp: 1312906
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.7 37.1



#61
 Bromoform
 Concen: 215.423 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV015265.D
 Acq: 30 Mar 2020 10:33

Tgt Ion: 173 Resp: 786844
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.4 59.0
 254 7.5 5.6 8.4

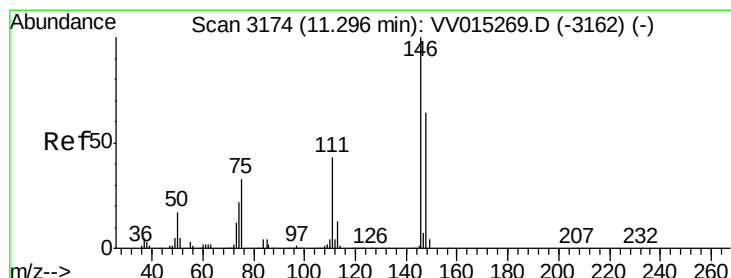
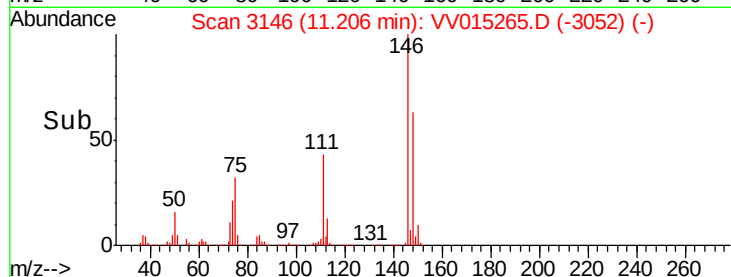
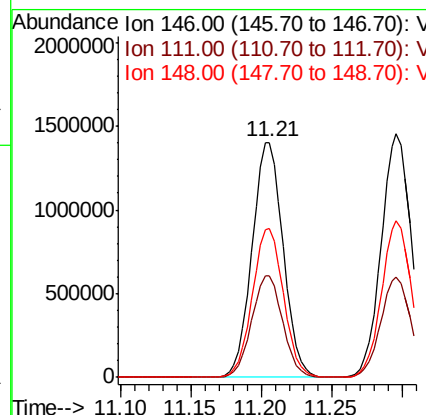
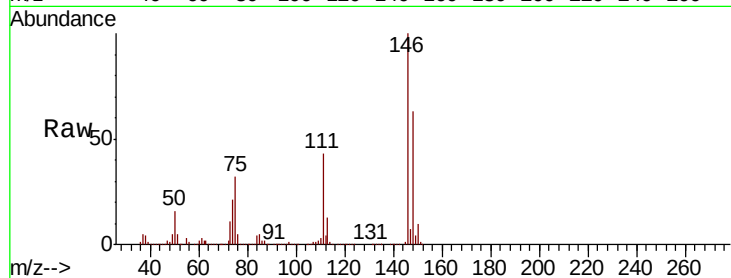




#62
 1,3-Dichlorobenzene
 Concen: 193.919 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015265.D
 Acq: 30 Mar 2020 10:33

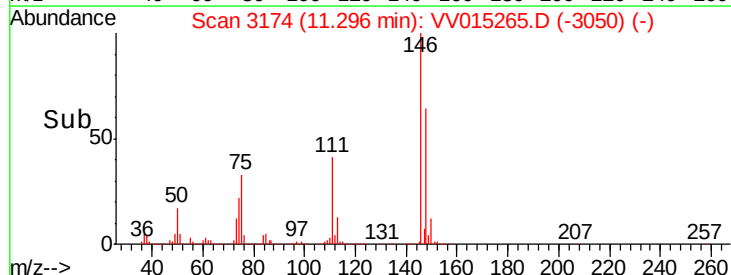
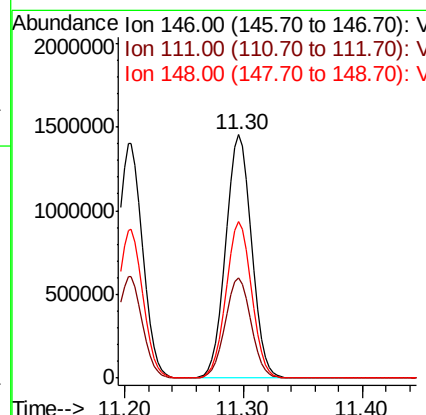
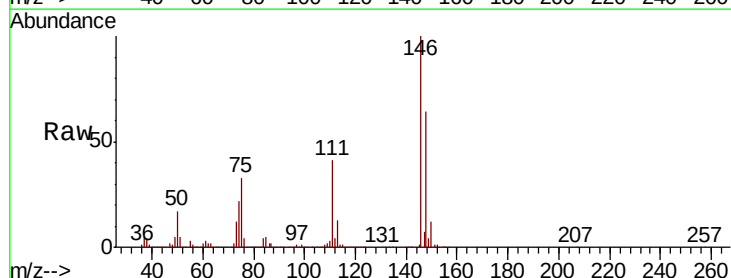
Instrument :
 MSVOA_V
 ClientSampleId :

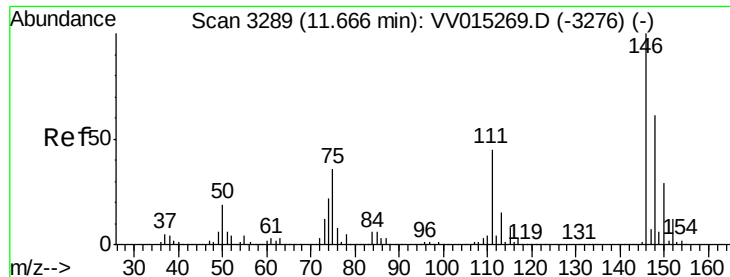
Tot Ion:146 Resp: 2166051
 Ion Ratio Lower Upper
 146 100
 111 43.0 30.4 56.4
 148 63.5 43.9 81.5



#63
 1,4-Dichlorobenzene
 Concen: 192.087 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015265.D
 Acq: 30 Mar 2020 10:33

Tgt Ion:146 Resp: 2190004
 Ion Ratio Lower Upper
 146 100
 111 41.0 30.5 56.7
 148 64.3 45.0 83.6

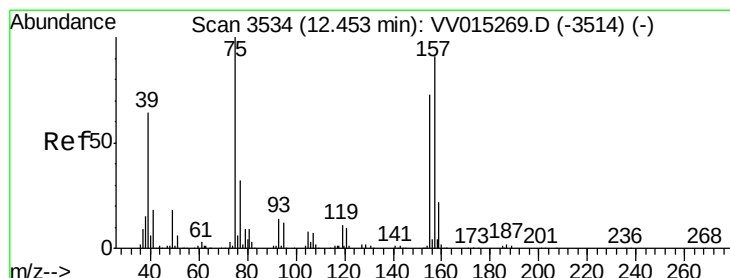
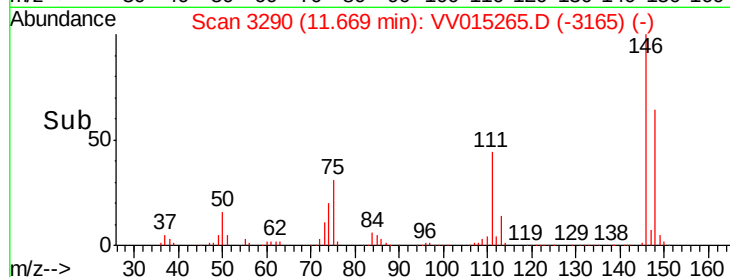
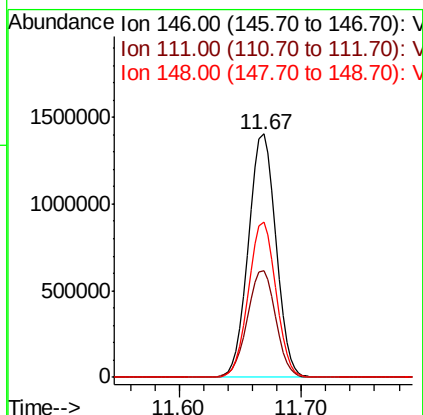
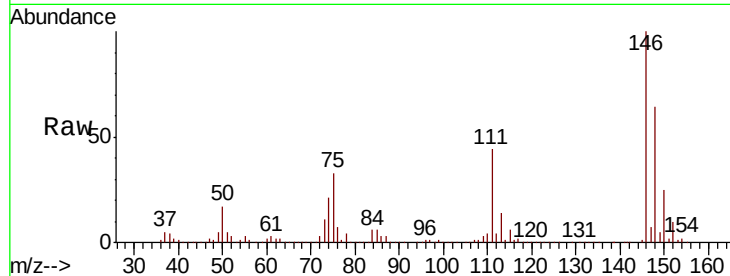




#65
 1,2-Dichlorobenzene
 Concen: 192.397 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015265.D
 Acq: 30 Mar 2020 10:33

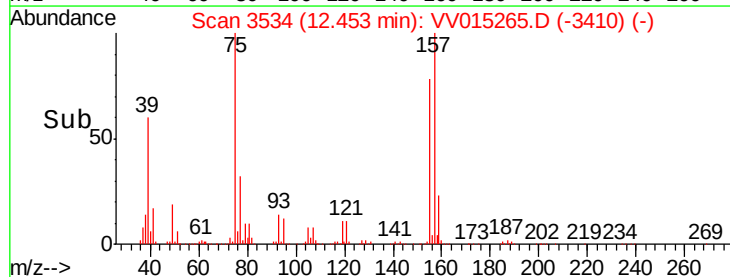
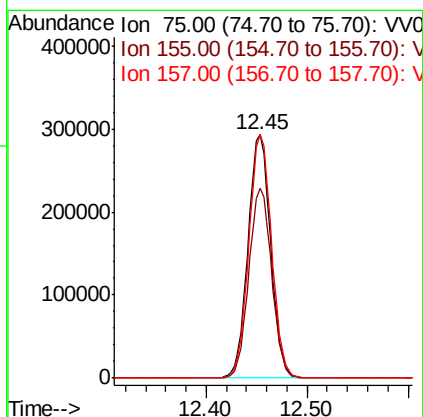
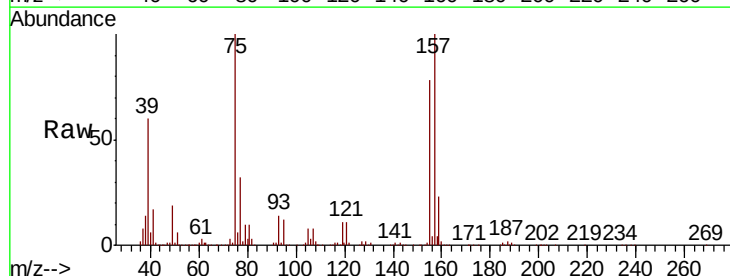
Instrument :
 MSVOA_V
 ClientSampleId :

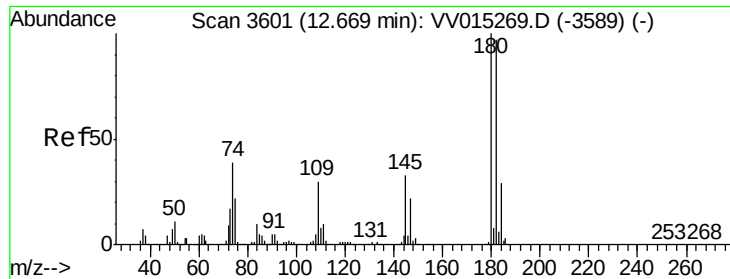
Tot Ion:146 Resp: 2168641
 Ion Ratio Lower Upper
 146 100
 111 43.9 35.8 53.6
 148 63.6 49.1 73.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 181.686 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: VV015265.D
 Acq: 30 Mar 2020 10:33

Tgt Ion: 75 Resp: 450585
 Ion Ratio Lower Upper
 75 100
 155 77.8 58.2 87.4
 157 99.9 73.0 109.6

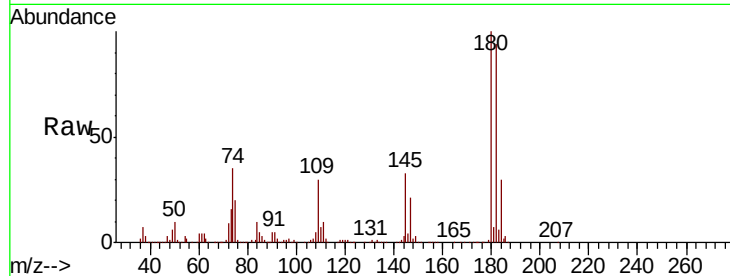




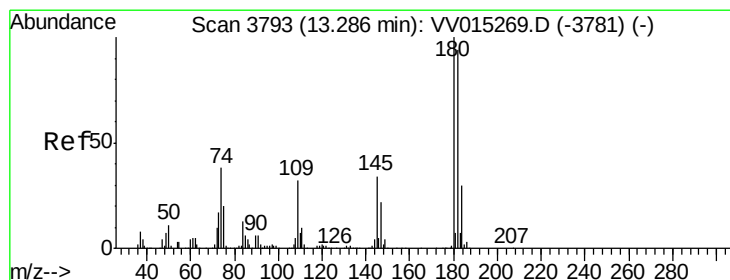
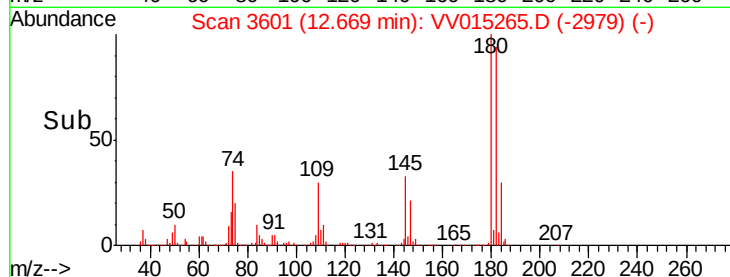
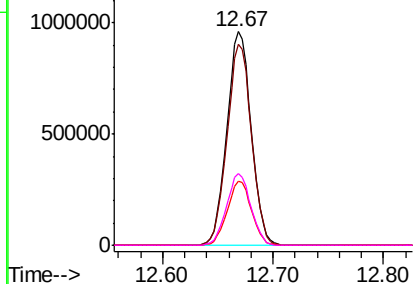
#67
 1,3,5-Trichlorobenzene
 Concen: 204.839 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015265.D
 Acq: 30 Mar 2020 10:33

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 1460306
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.8 115.2
 184 30.0 23.6 35.4
 145 33.4 27.0 40.6

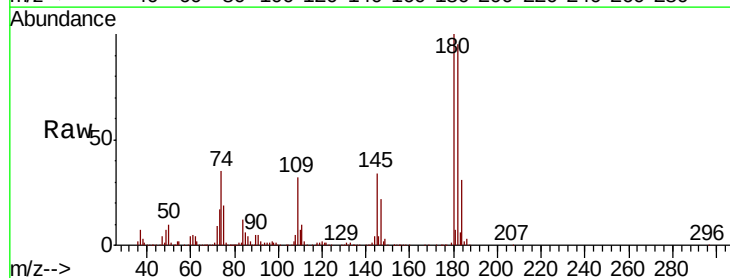


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

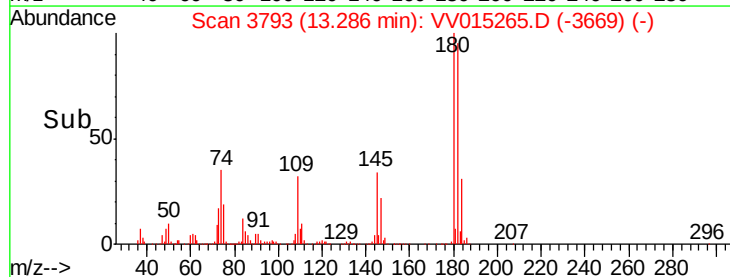
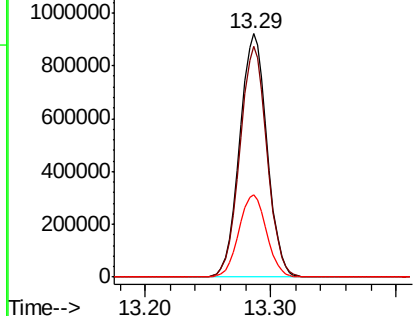


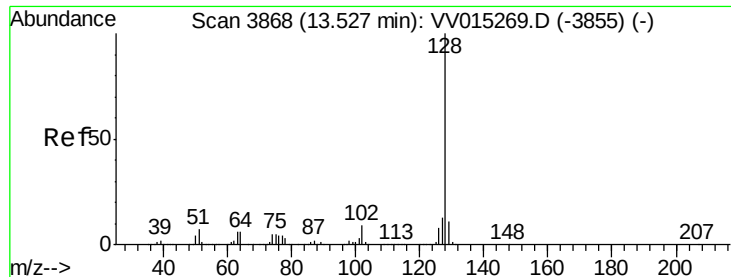
#68
 1,2,4-trichlorobenzene
 Concen: 205.487 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015265.D
 Acq: 30 Mar 2020 10:33

Tgt Ion:180 Resp: 1391916
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.2 112.8
 145 34.2 27.3 40.9



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 196.271 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

Instrument :

MSVOA_V

ClientSampled :

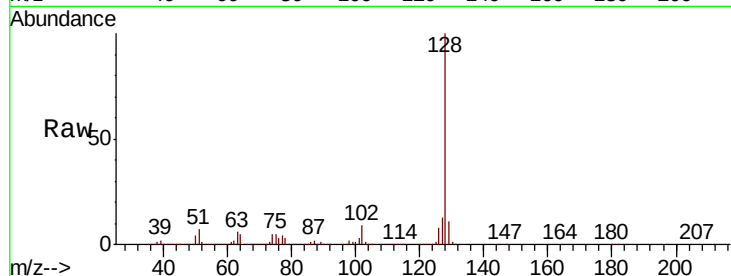
Tot Ion:128 Resp: 5299693

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

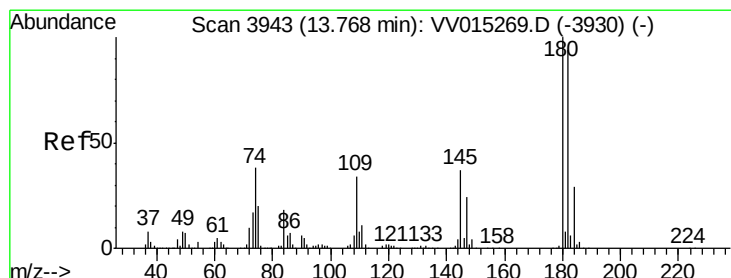
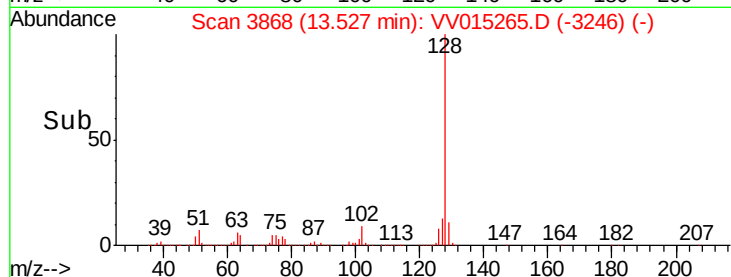
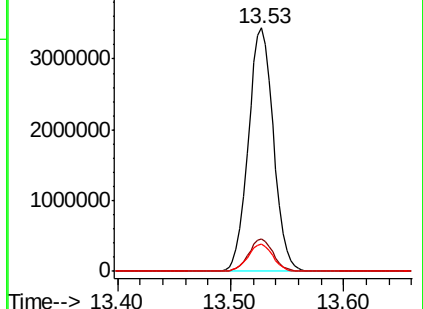
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 205.356 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015265.D

Acq: 30 Mar 2020 10:33

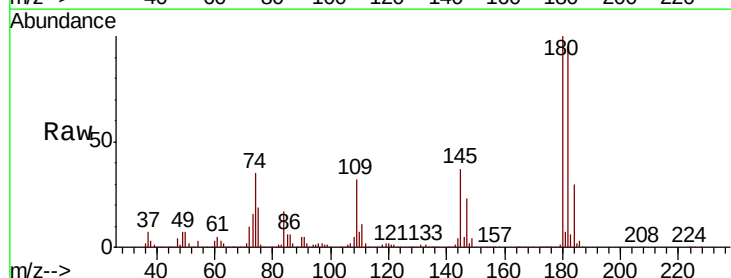
Tgt Ion:180 Resp: 1396057

Ion Ratio Lower Upper

180 100

182 95.1 74.7 112.1

145 36.8 29.6 44.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

