

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017602.D
 Acq On : 23 Jul 2020 13:43
 Operator : SY/MD
 Sample : VSTD01033
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Quant Time: Jul 24 01:06:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 01:03:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	197947	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	190625	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	109162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	96394	8.77	ug/L	0.00
7) Chloroethane-d5	1.58	69	76270	8.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	211966	8.71	ug/L	0.00
20) 2-Butanone-d5	3.95	46	237505	101.85	ug/L	0.00
24) Chloroform-d	4.38	84	236014	9.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	121555	9.24	ug/L	0.00
32) Benzene-d6	5.07	84	427375	10.02	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	119652	10.06	ug/L	0.00
41) Toluene-d8	7.33	98	427537	10.29	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	55145	9.61	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	186428	108.46	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	83609	9.81	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	161145	8.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	201441	8.705 ug/L	99
3) Chloromethane	1.25	50	134064	8.609 ug/L	94
5) Vinyl chloride	1.32	62	133222	8.525 ug/L	99
6) Bromomethane	1.53	94	86711	9.074 ug/L	99
8) Chloroethane	1.60	64	76502	8.478 ug/L	96
9) Trichlorofluoromethane	1.76	101	234906	8.238 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	108047	8.142 ug/L	96
12) 1,1-Dichloroethene	2.13	96	101187	8.625 ug/L	95
13) Acetone	2.23	43	164603	93.657 ug/L #	53
14) Carbon disulfide	2.31	76	306196	8.531 ug/L	96
15) Methyl Acetate	2.46	43	36148	10.324 ug/L #	82
16) Methylene chloride	2.52	84	101458	7.186 ug/L	94
17) Methyl tert-butyl Ether	2.79	73	260096	8.855 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	109917	8.780 ug/L	97
19) 1,1-Dichloroethane	3.21	63	233894	9.502 ug/L	98
21) 2-Butanone	4.03	43	297743	108.404 ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	141236	10.044 ug/L	100
23) Bromochloromethane	4.27	128	65263	10.362 ug/L	87
25) Chloroform	4.40	83	262614	9.832 ug/L	97
27) 1,2-Dichloroethane	5.16	62	167838	9.591 ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	254651	9.565 ug/L	98
30) Cyclohexane	4.70	56	205310	9.925 ug/L	99
31) Carbon tetrachloride	4.85	117	231545	9.449 ug/L	100
33) Benzene	5.12	78	524833	10.341 ug/L	100
34) Trichloroethene	5.94	95	146651	9.617 ug/L	99
35) Methylcyclohexane	6.15	83	217909	9.533 ug/L	98
37) 1,2-Dichloropropane	6.20	63	121433	10.196 ug/L	99
38) Bromodichloromethane	6.53	83	182297	10.113 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	196153	10.519 ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	710815	112.058 ug/L	100

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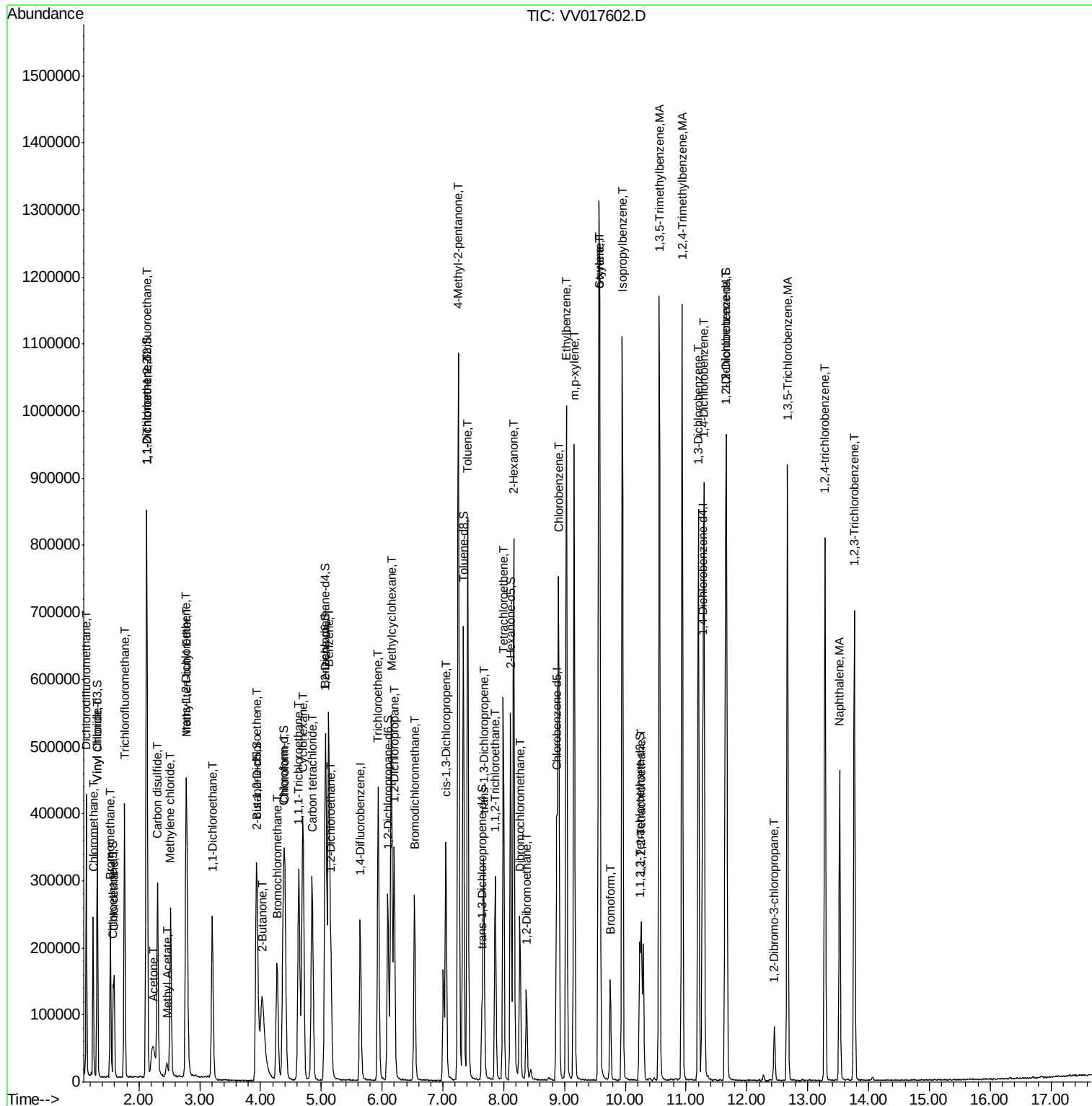
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	590866	10.562	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	589123	10.720	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	607118	11.057	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	174741	10.569	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	88640	9.916	ug/L	94
49) Tetrachloroethene	8.00	164	126787	9.747	ug/L	99
50) 2-Hexanone	8.16	43	510518	109.409	ug/L	98
51) Dibromochloromethane	8.27	129	121820	10.112	ug/L	99
52) 1,2-Dibromoethane	8.37	107	85699	9.842	ug/L	98
53) Chlorobenzene	8.90	112	376807	10.079	ug/L	99
54) Ethylbenzene	9.03	91	667298	10.480	ug/L	99
55) m,p-xylene	9.16	106	252338	10.453	ug/L	96
56) o-xylene	9.56	106	243998	10.386	ug/L	100
57) Styrene	9.58	104	418805	10.668	ug/L	100
58) Isopropylbenzene	9.95	105	683710	10.415	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	99741	10.879	ug/L	98
62) Bromoform	9.75	173	67782	9.506	ug/L	100
63) 1,3-Dichlorobenzene	11.20	146	332835	9.748	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	332164	9.784	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	300611	9.662	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	19747	10.143	ug/L	96
68) 1,3,5-Trichlorobenzene	12.67	180	276528	9.986	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	236274	10.286	ug/L	100
70) Naphthalene	13.52	128	352768	10.839	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	209534	10.556	ug/L	99

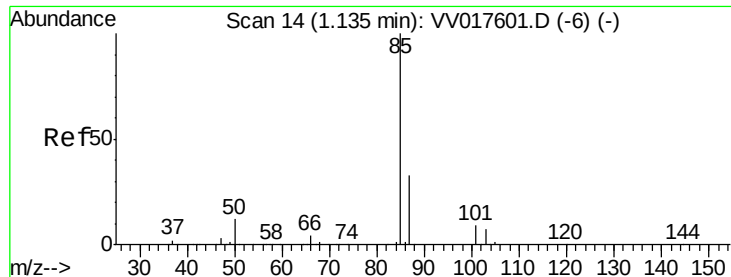
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.705 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

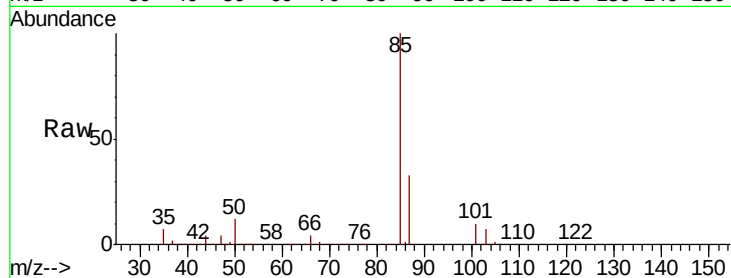
VSTD01033

Tot Ion: 85 Resp: 201441

Ion Ratio Lower Upper

85 100

87 32.7 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV017601.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017602.D (-1) (-)

1.14

250000

200000

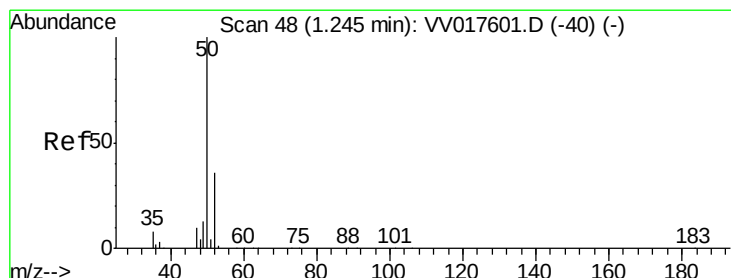
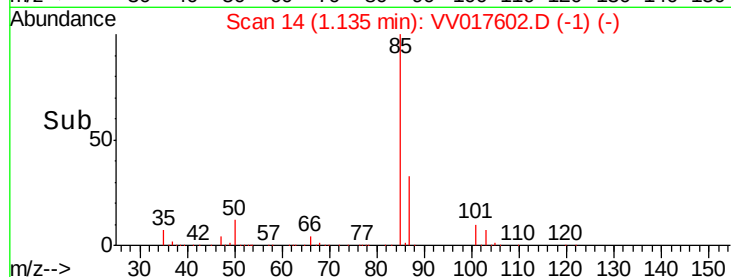
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 8.609 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017602.D

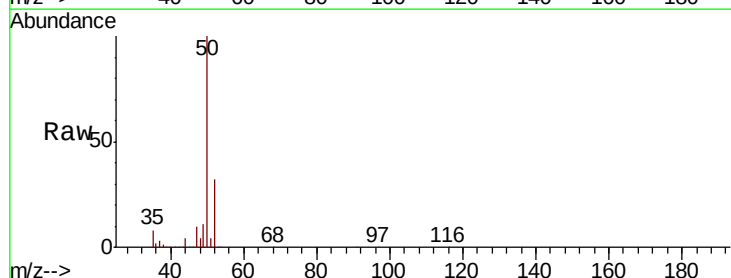
Acq: 23 Jul 2020 13:43

Tgt Ion: 50 Resp: 134064

Ion Ratio Lower Upper

50 100

52 32.4 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV017601.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV017602.D (-1) (-)

1.25

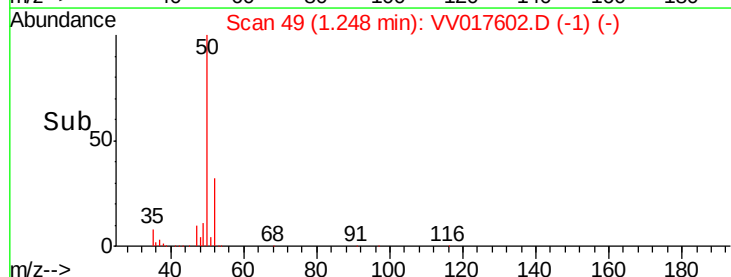
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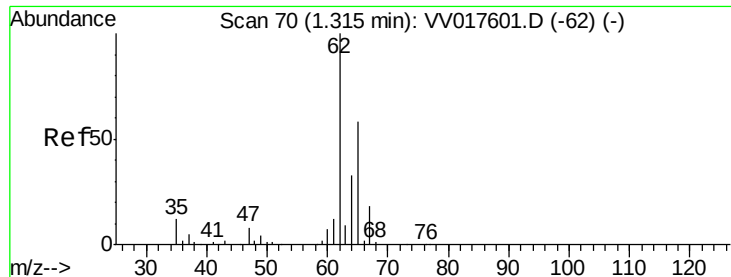
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 8.525 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

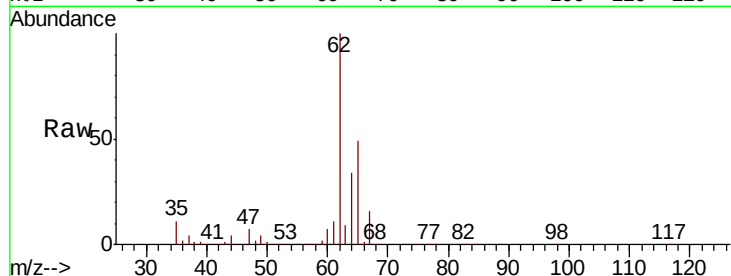
VSTD01033

Tot Ion: 62 Resp: 133222

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV017602.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017602.D (-62) (-)

1.32

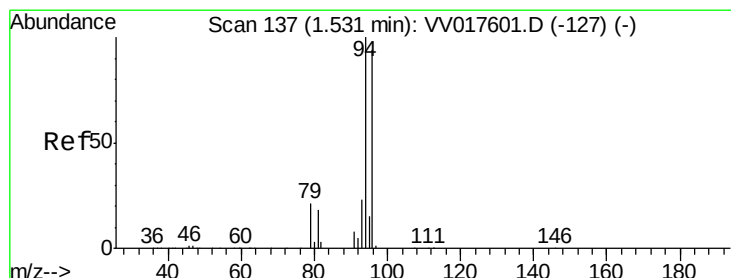
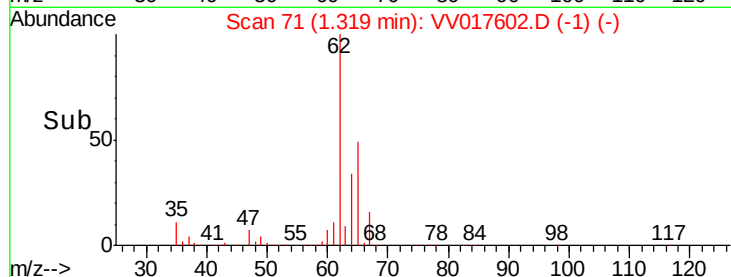
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 9.074 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017602.D

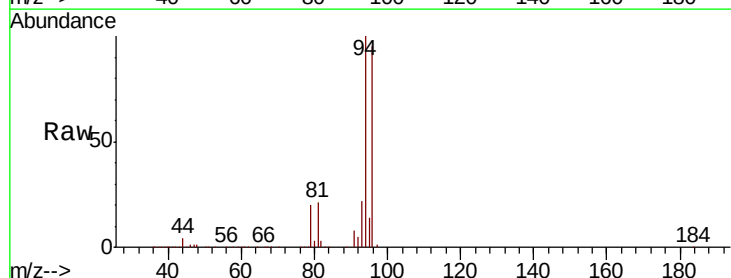
Acq: 23 Jul 2020 13:43

Tgt Ion: 94 Resp: 86711

Ion Ratio Lower Upper

94 100

96 94.9 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017602.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV017602.D (-127) (-)

1.53

80000

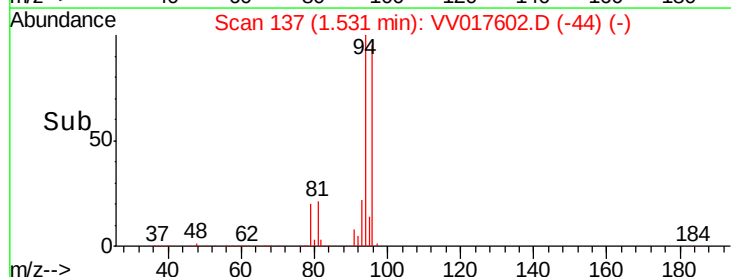
60000

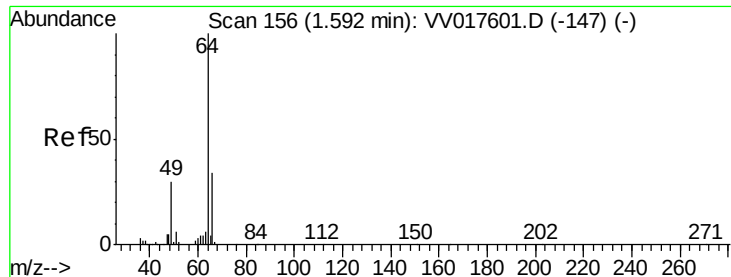
40000

20000

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Time-->

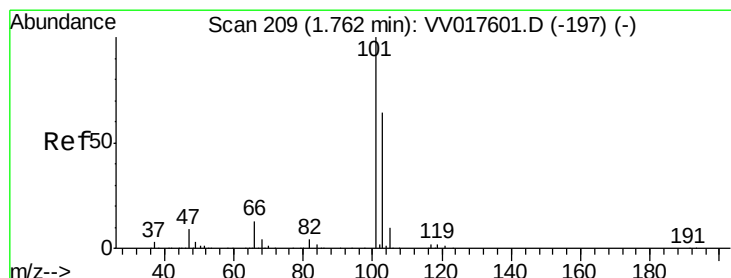
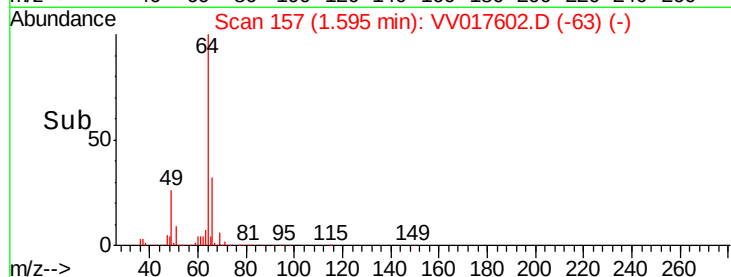
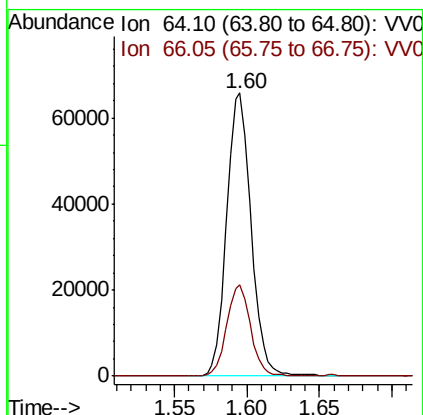
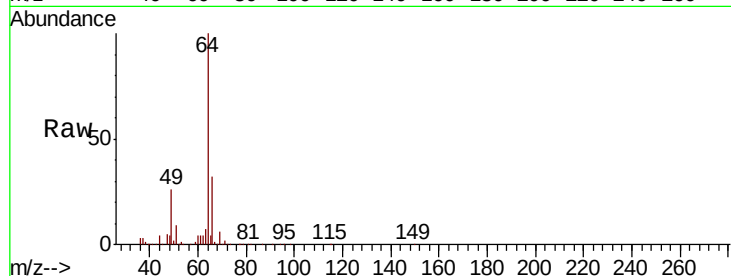




#8
Chloroethane
Concen: 8.478 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

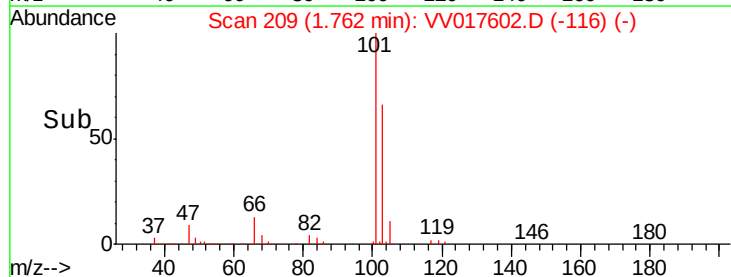
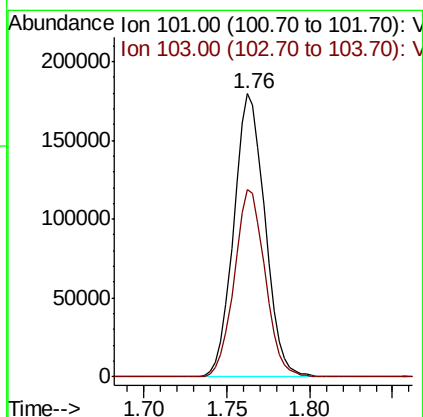
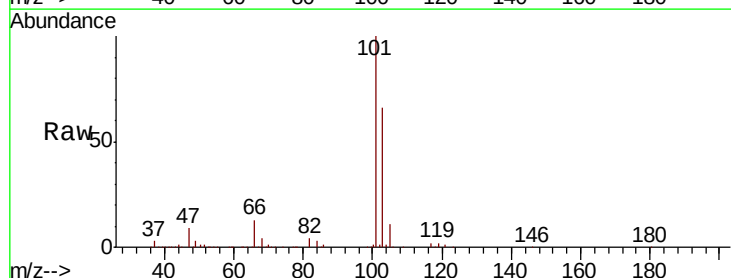
Instrument :
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VSTD01033

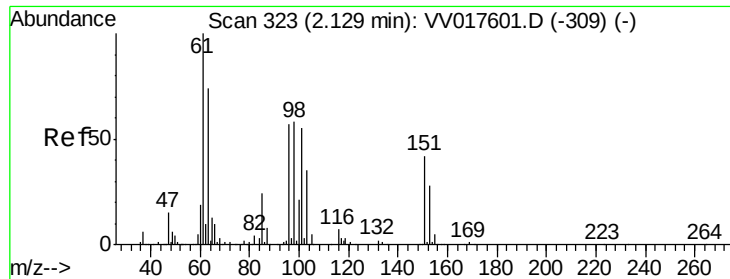
Tot Ion: 64 Resp: 76502
Ion Ratio Lower Upper
64 100
66 32.1 24.0 44.6



#9
Trichlorofluoromethane
Concen: 8.238 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

Tgt Ion:101 Resp: 234906
Ion Ratio Lower Upper
101 100
103 65.4 51.7 77.5





#10

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

Concen: 8.142 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

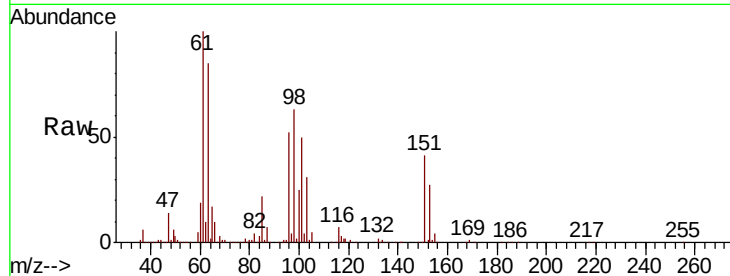
Tot Ion:101 Resp: 108047

Ion Ratio Lower Upper

101 100

85 44.9 34.6 51.8

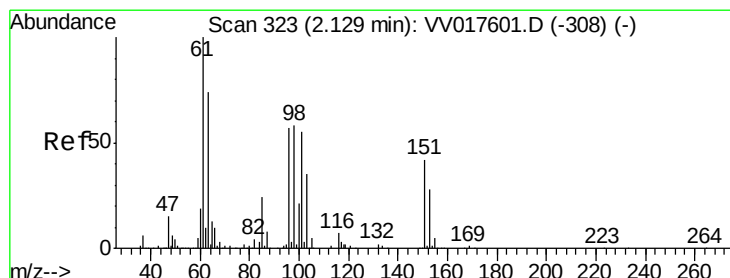
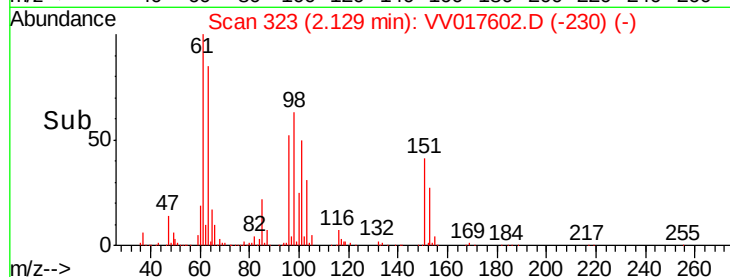
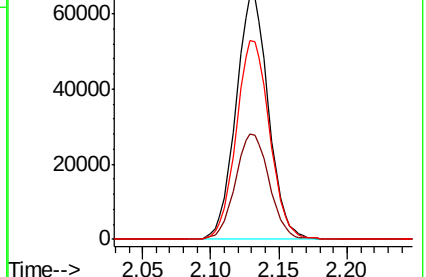
151 83.2 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): VV017601.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV017601.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV017601.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 8.625 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

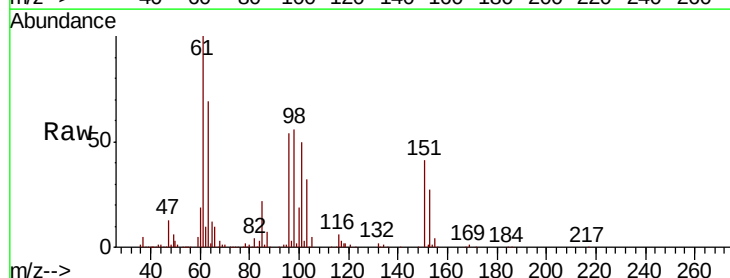
Tgt Ion: 96 Resp: 101187

Ion Ratio Lower Upper

96 100

61 183.8 123.1 228.7

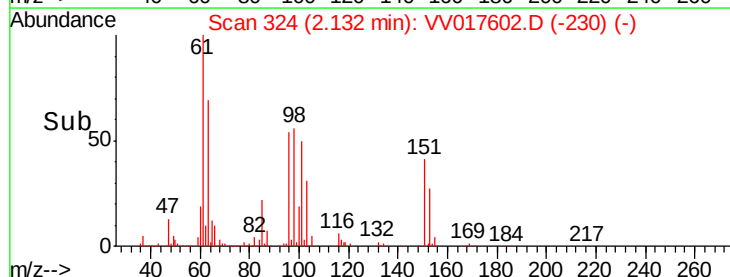
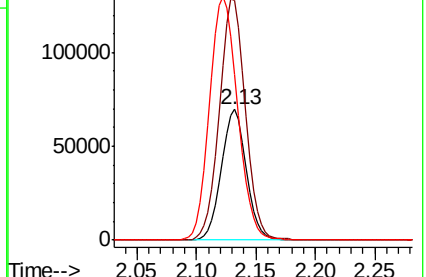
63 126.7 91.2 169.4

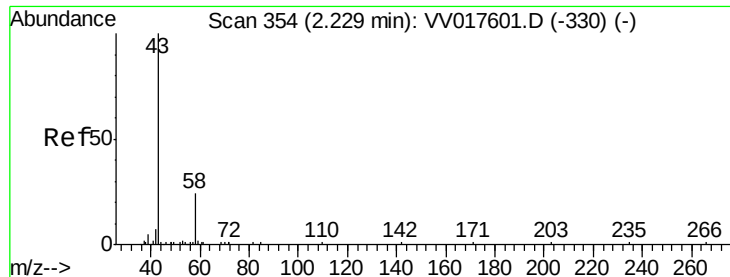


Abundance Ion 96.00 (95.70 to 96.70): VV017601.D (-308) (-)

Ion 61.05 (60.75 to 61.75): VV017601.D (-308) (-)

Ion 63.00 (62.70 to 63.70): VV017601.D (-308) (-)





#13

Acetone

Concen: 93.657 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

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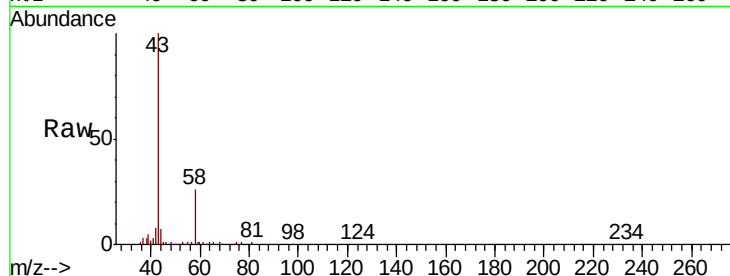
VSTD01033

Tot Ion: 43 Resp: 164603

Ion Ratio Lower Upper

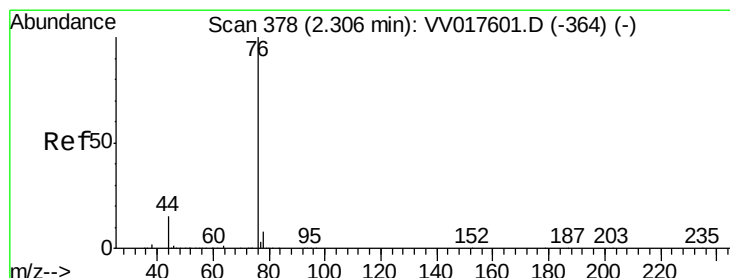
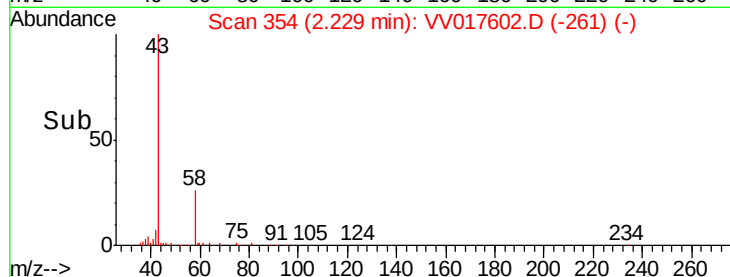
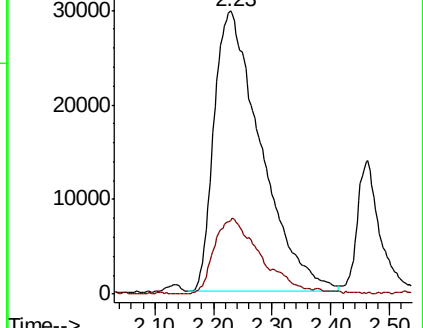
43 100

58 26.5 0.0 18.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 8.531 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017602.D

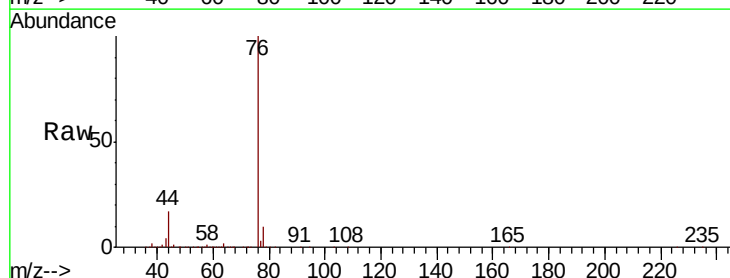
Acq: 23 Jul 2020 13:43

Tgt Ion: 76 Resp: 306196

Ion Ratio Lower Upper

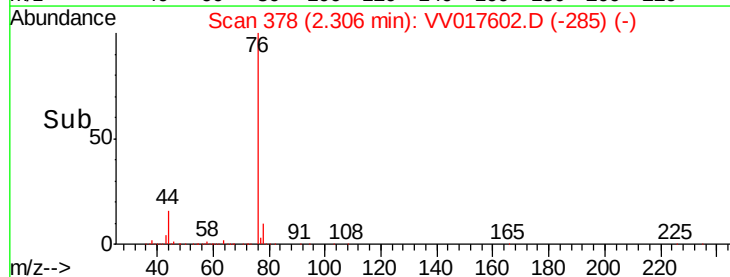
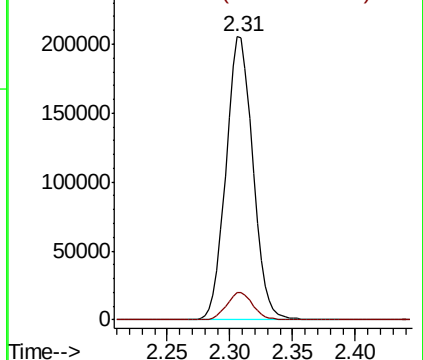
76 100

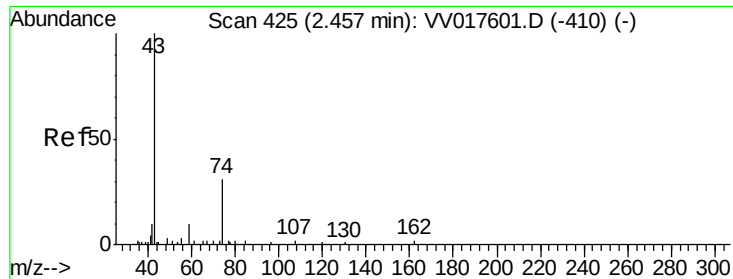
78 9.6 6.6 10.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

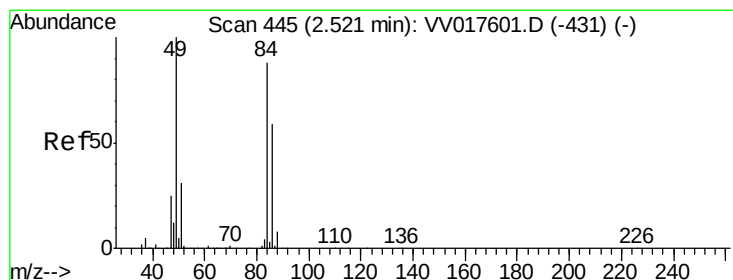
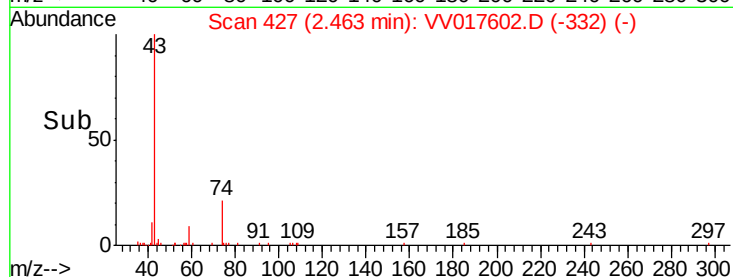
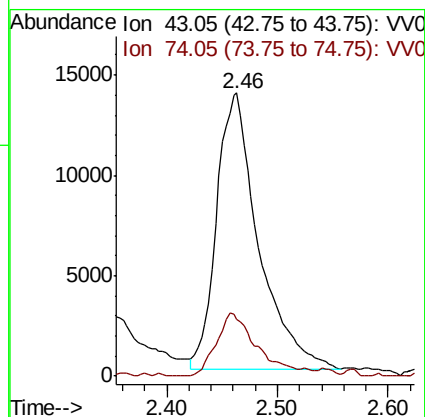
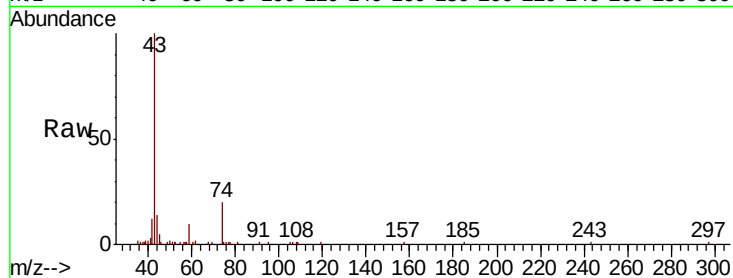




#15
Methvl Acetate
Concen: 10.324 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

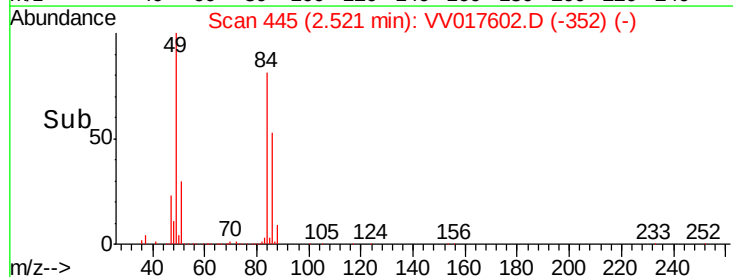
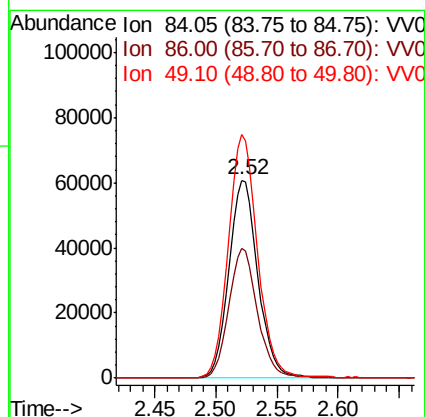
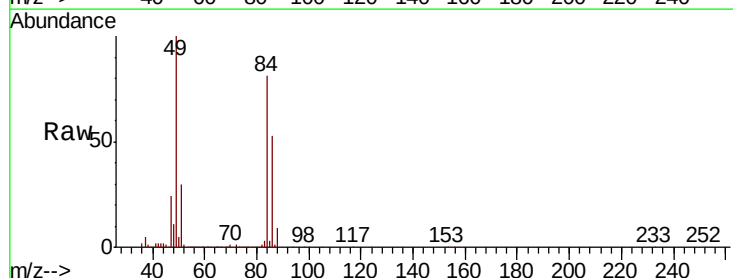
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

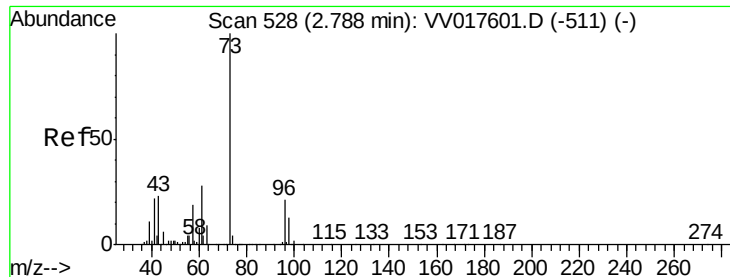
Tot Ion: 43 Resp: 36148
Ion Ratio Lower Upper
43 100
74 22.8 26.6 40.0#



#16
Methylene chloride
Concen: 7.186 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

Tgt Ion: 84 Resp: 101458
Ion Ratio Lower Upper
84 100
86 65.3 46.5 86.3
49 123.0 79.2 147.2

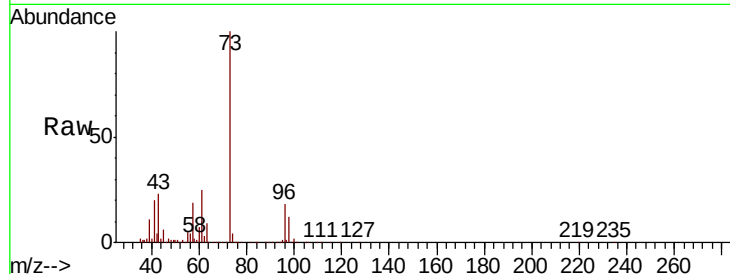




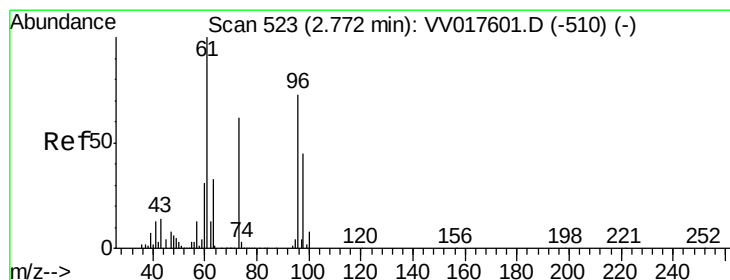
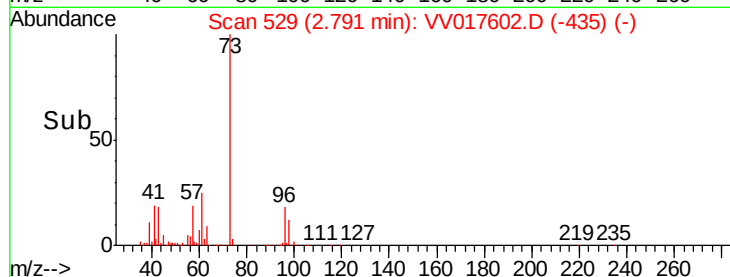
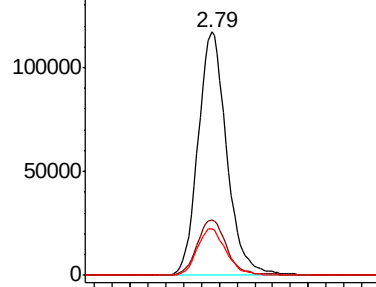
#17
Methyl tert-butyl Ether
Concen: 8.855 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.9	18.3	27.5
57	19.6	16.7	25.1

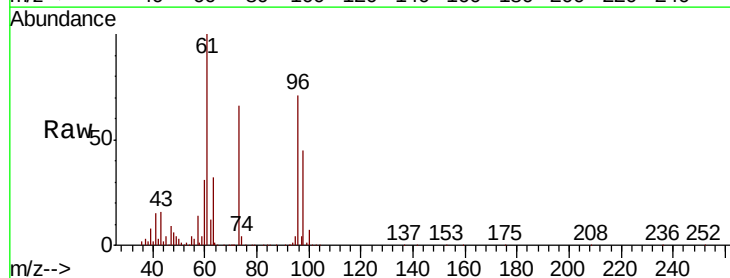


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

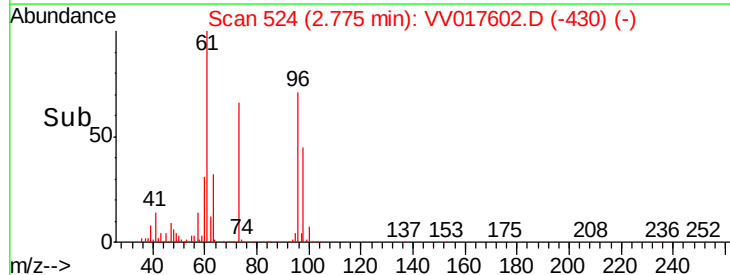
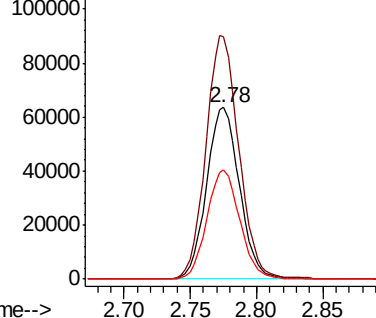


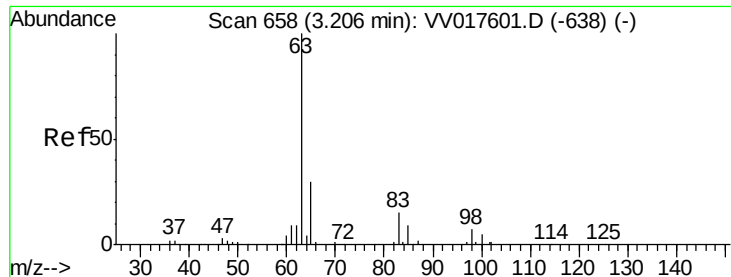
#18
trans-1,2-Dichloroethene
Concen: 8.780 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.7	96.0	178.4
98	63.8	43.5	80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

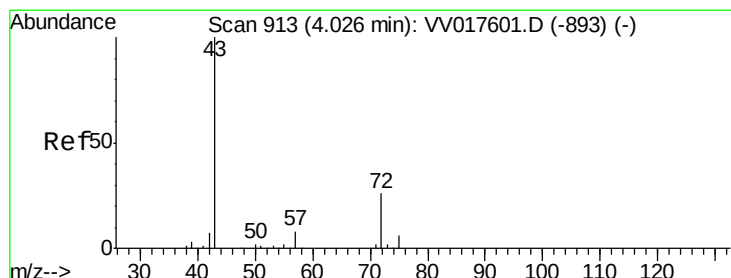
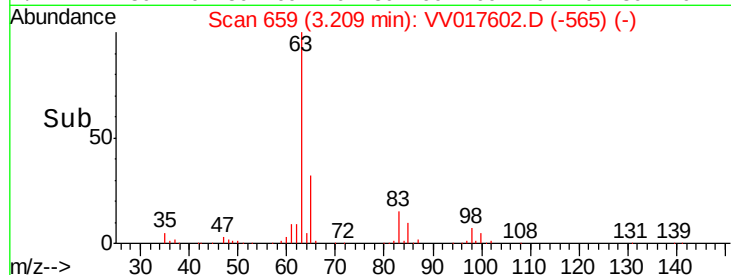
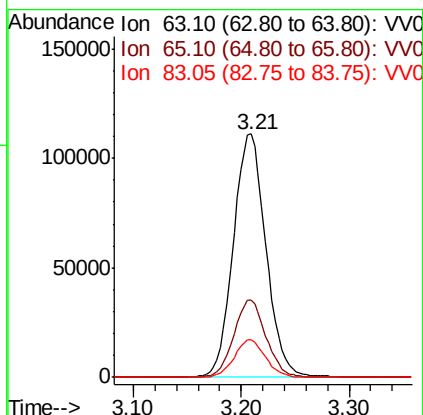
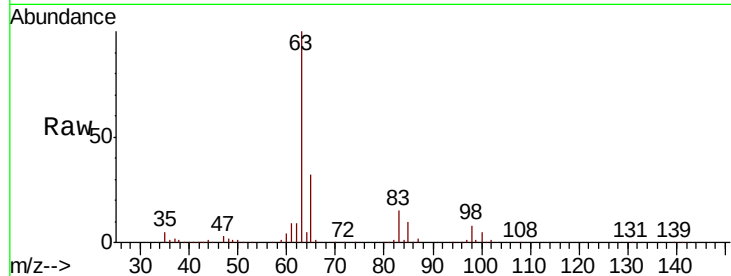




#19
 1,1-Dichloroethane
 Concen: 9.502 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

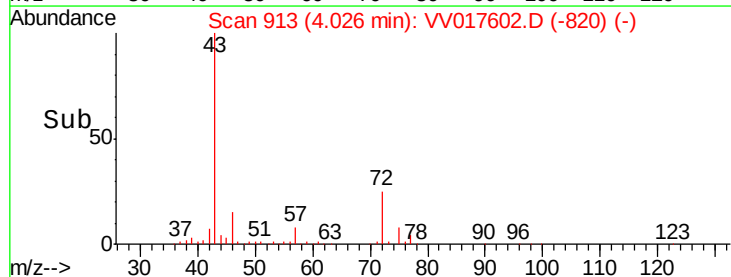
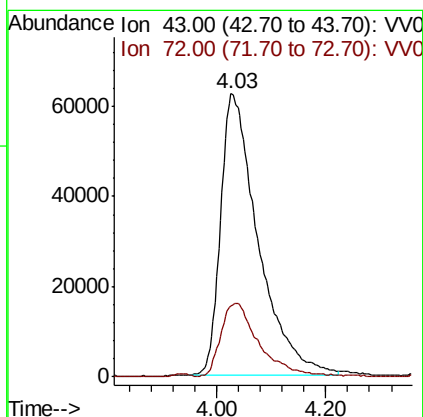
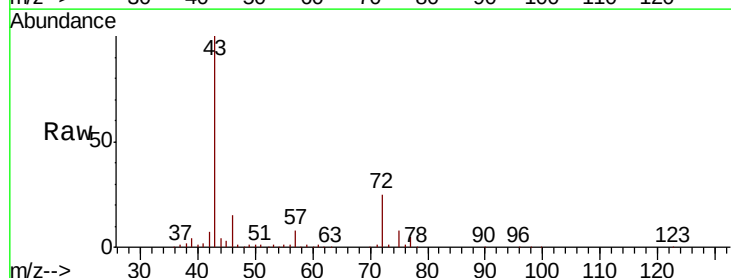
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01033

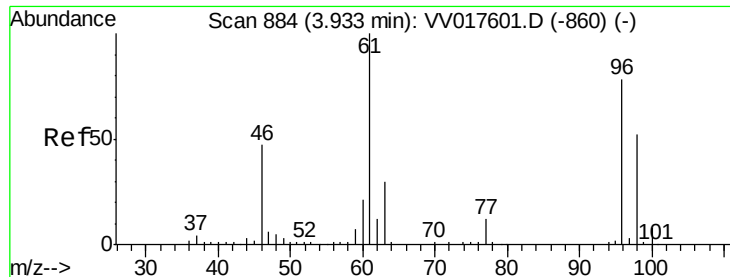
Tot Ion: 63 Resp: 233894
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.4 39.8
 83 15.3 10.4 19.4



#21
 2-Butanone
 Concen: 108.404 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

Tgt Ion: 43 Resp: 297743
 Ion Ratio Lower Upper
 43 100
 72 25.6 13.0 38.9



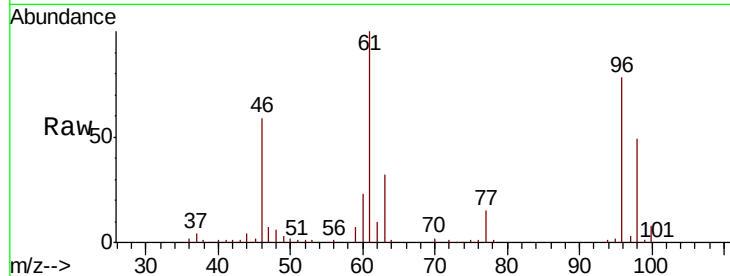


#22

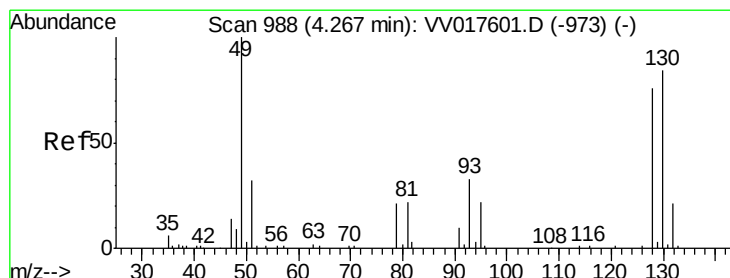
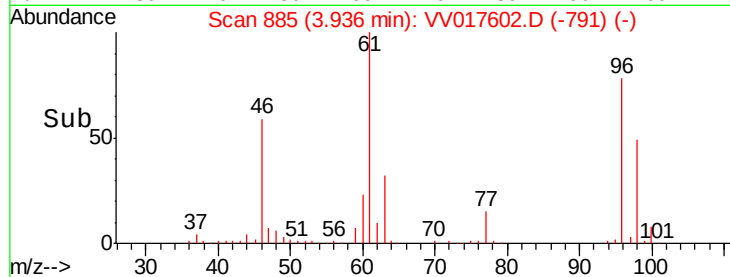
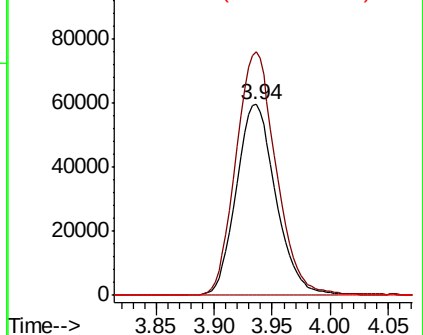
cis-1,2-Dichloroethene
Concen: 10.044 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tot Ion: 96 Resp: 141236
Ion Ratio Lower Upper
96 100
61 127.6 89.6 166.4
68 0.0 0.0 0.0



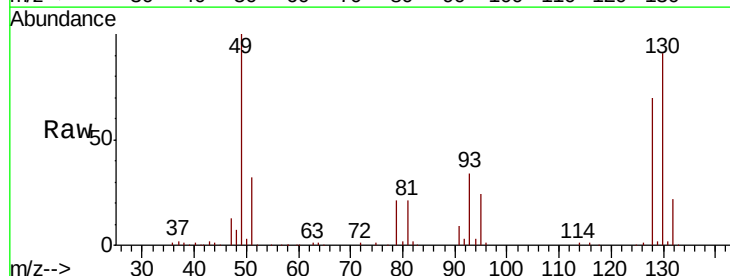
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



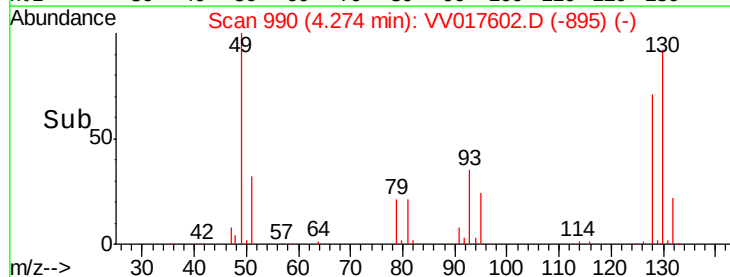
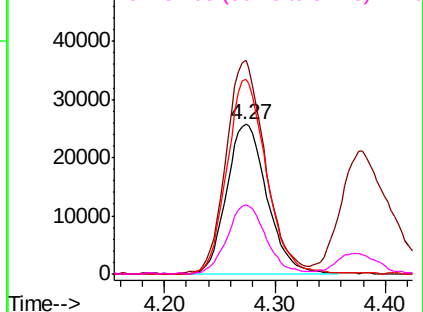
#23

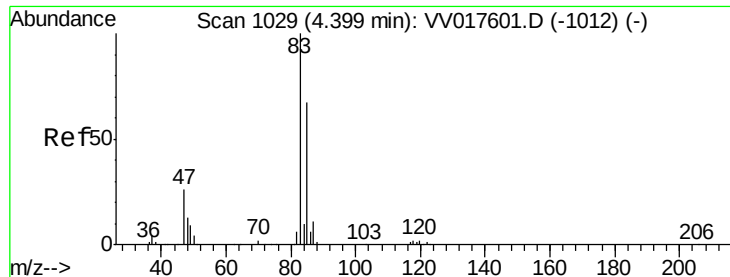
Bromochloromethane
Concen: 10.362 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.01 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

Tgt Ion: 128 Resp: 65263
Ion Ratio Lower Upper
128 100
49 142.8 92.2 171.2
130 130.2 77.2 143.4
51 46.4 33.8 50.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

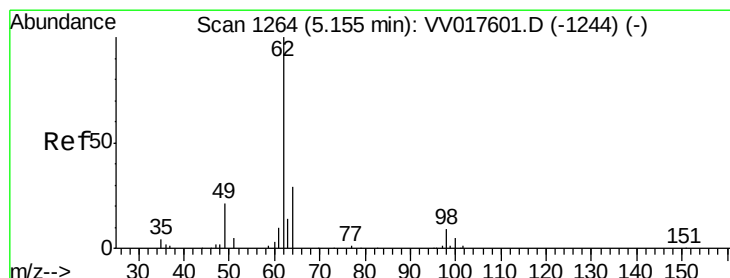
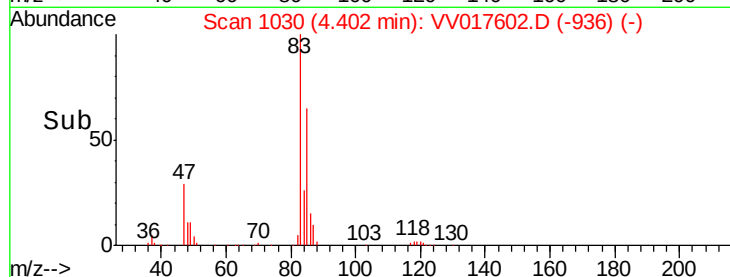
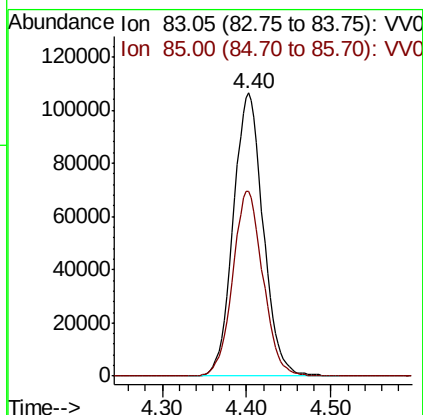
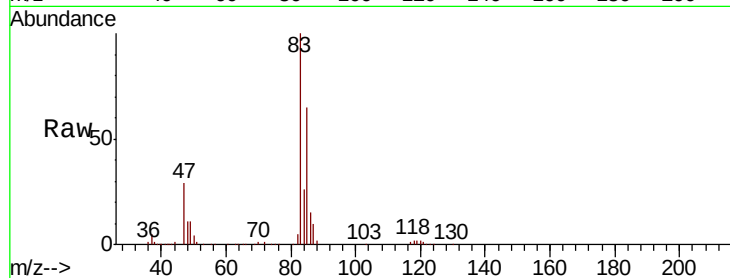




#25
Chloroform
Concen: 9.832 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

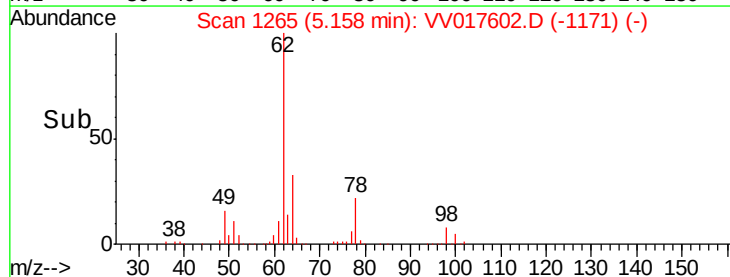
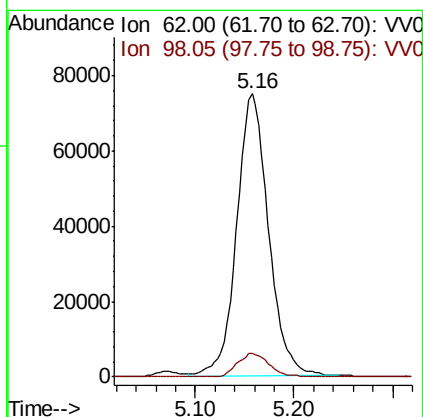
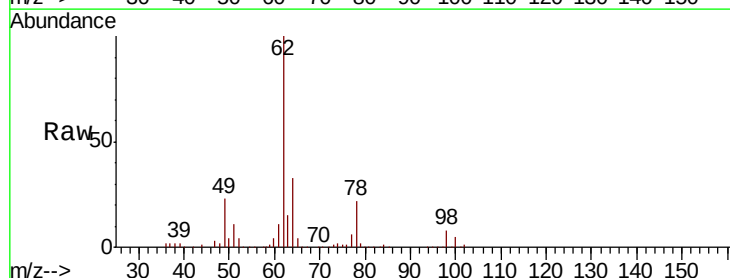
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

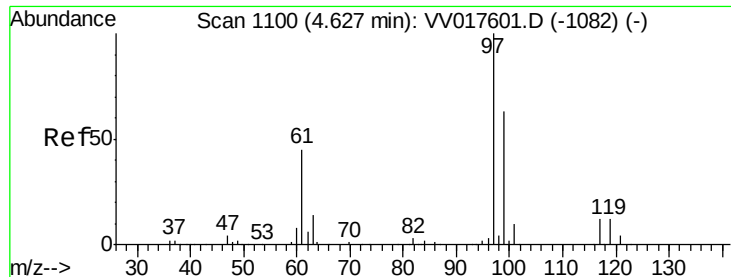
Tot Ion: 83 Resp: 262614
Ion Ratio Lower Upper
83 100
85 65.3 47.3 87.9



#27
1,2-Dichloroethane
Concen: 9.591 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

Tgt Ion: 62 Resp: 167838
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.6

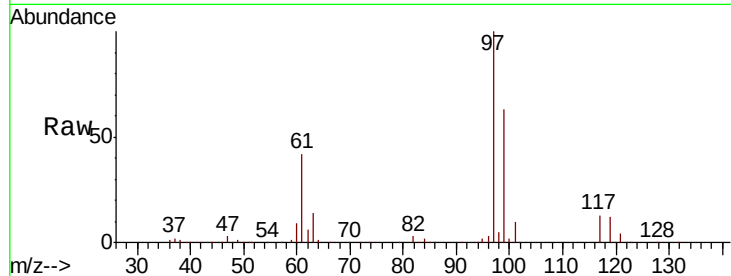




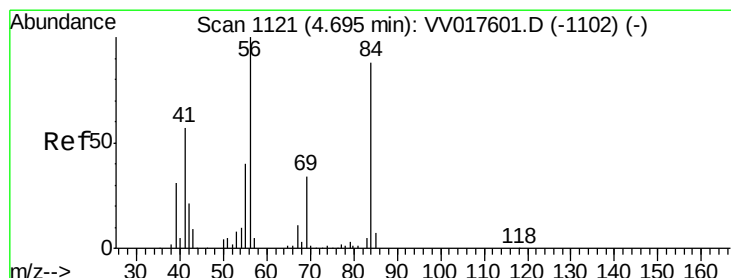
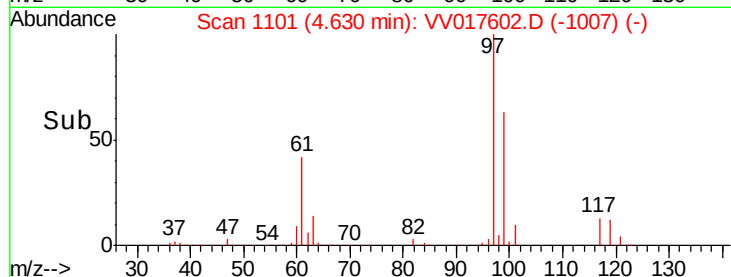
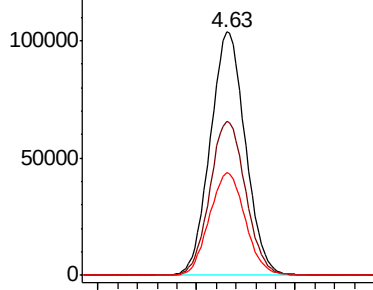
#29
 1,1,1-Trichloroethane
 Concen: 9.565 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tot Ion: 97 Resp: 254651
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.6 76.0
 61 43.2 35.7 53.5

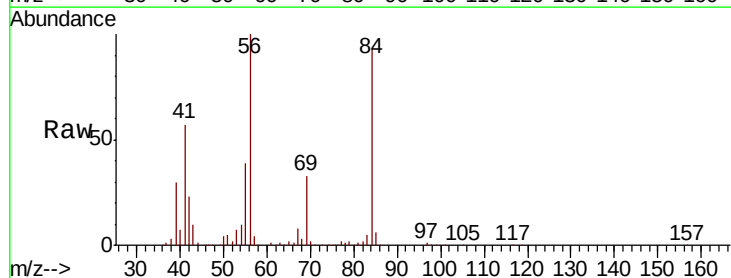


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

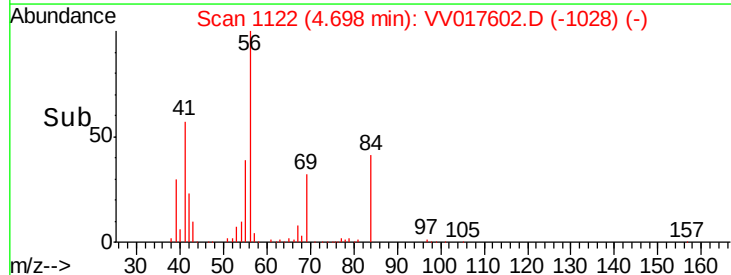
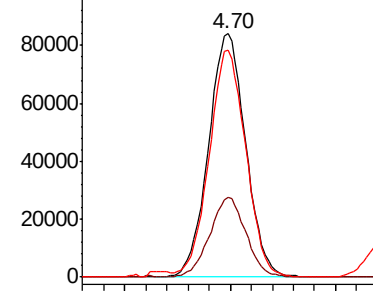


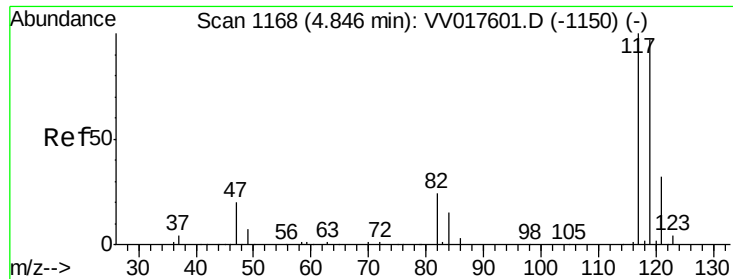
#30
 Cyclohexane
 Concen: 9.925 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

Tgt Ion: 56 Resp: 205310
 Ion Ratio Lower Upper
 56 100
 69 32.0 25.4 38.2
 84 92.2 73.0 109.4



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 9.449 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampled :

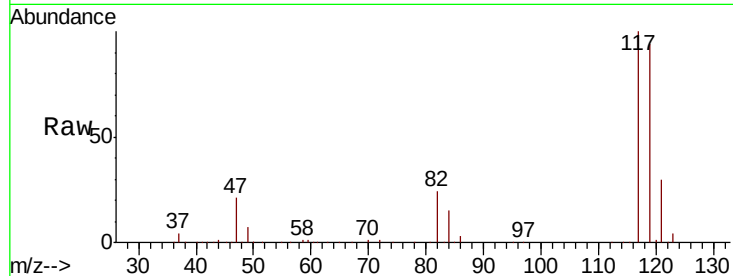
VSTD01033

Tot Ion:117 Resp: 231545

Ion Ratio Lower Upper

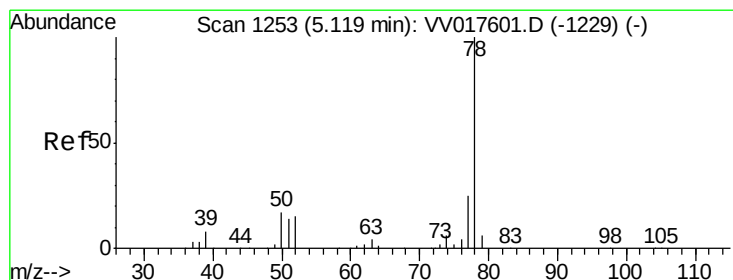
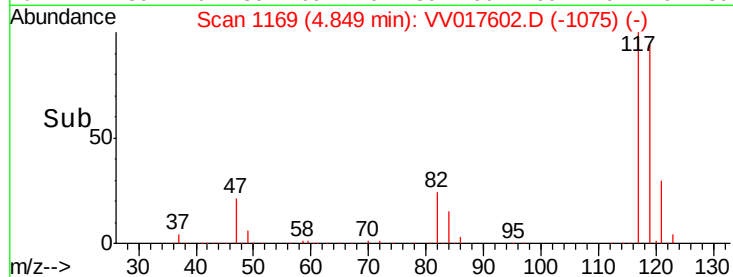
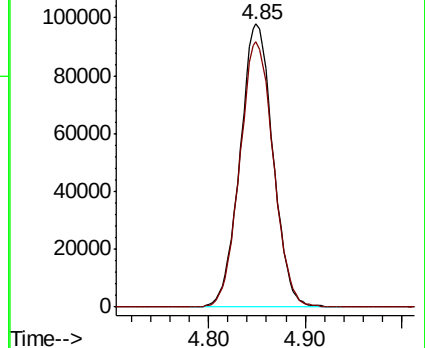
117 100

119 95.7 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.341 ug/L

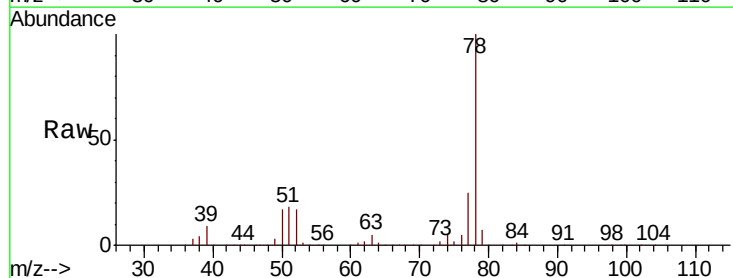
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

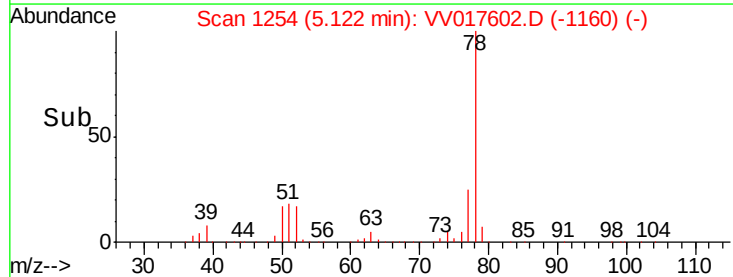
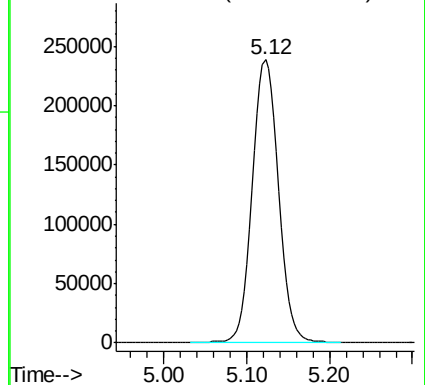
Lab File: VV017602.D

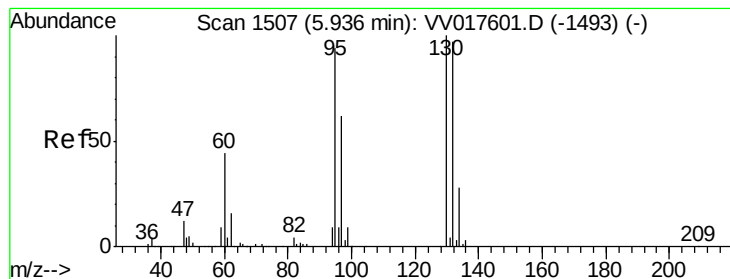
Acq: 23 Jul 2020 13:43

Tgt Ion: 78 Resp: 524833



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.617 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

Tot Ion: 95 Resp: 146651

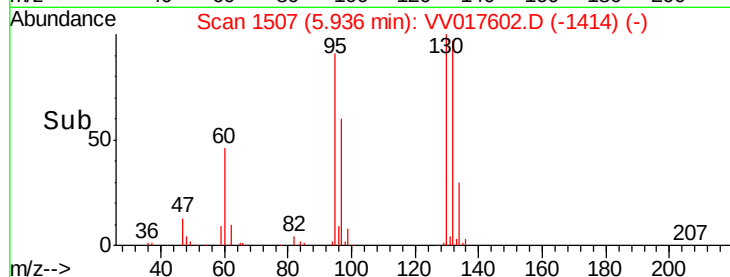
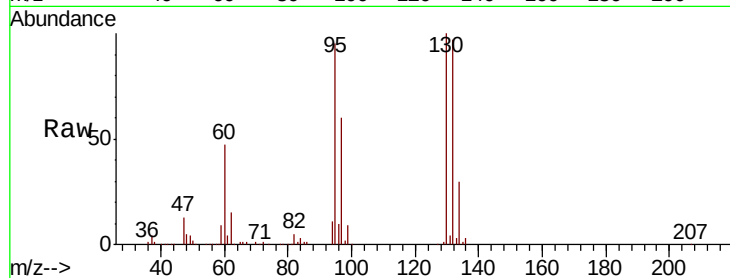
Ion Ratio Lower Upper

95 100

97 63.2 46.1 85.5

132 101.7 71.7 133.1

130 104.9 74.3 137.9

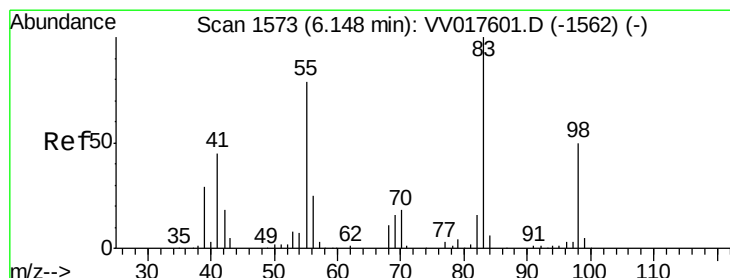
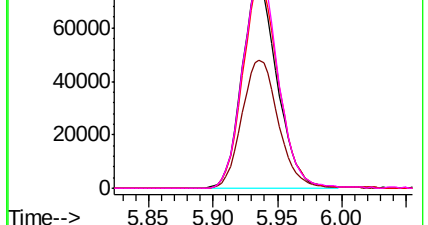


Abundance Ion 95.00 (94.70 to 95.70): VV017602.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV017602.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV017602.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV017602.D (-1414) (-)



#35

Methylcyclohexane

Concen: 9.533 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

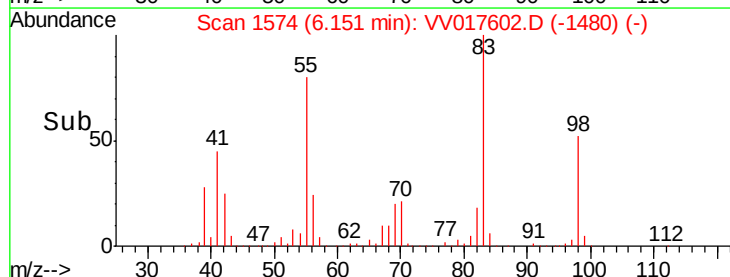
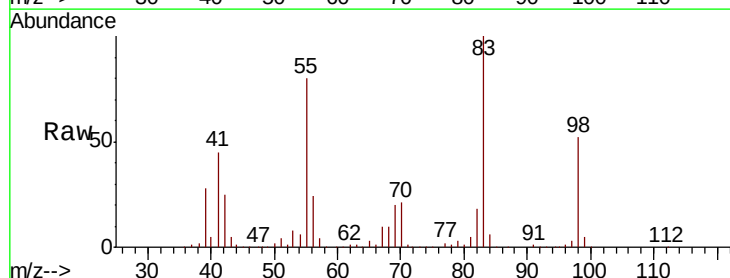
Tgt Ion: 83 Resp: 217909

Ion Ratio Lower Upper

83 100

55 78.6 61.8 92.8

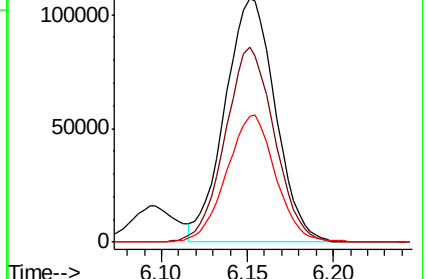
98 51.1 39.0 58.6

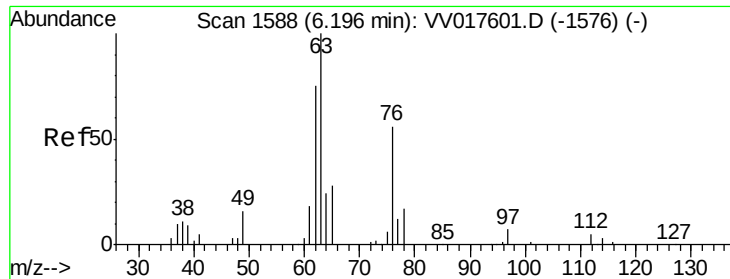


Abundance Ion 83.15 (82.85 to 83.85): VV017602.D (-1480) (-)

Ion 55.10 (54.80 to 55.80): VV017602.D (-1480) (-)

Ion 98.15 (97.85 to 98.85): VV017602.D (-1480) (-)

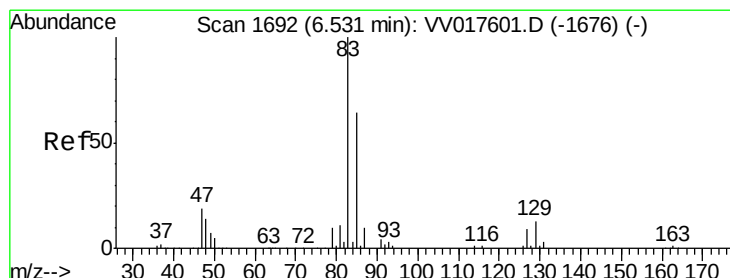
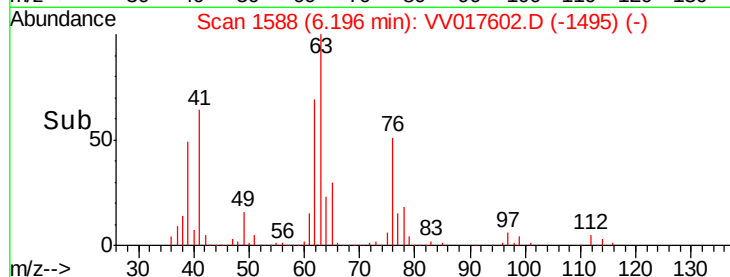
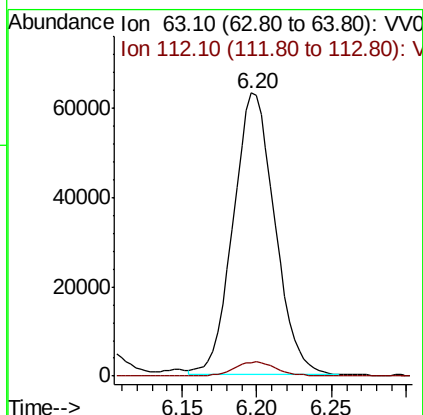
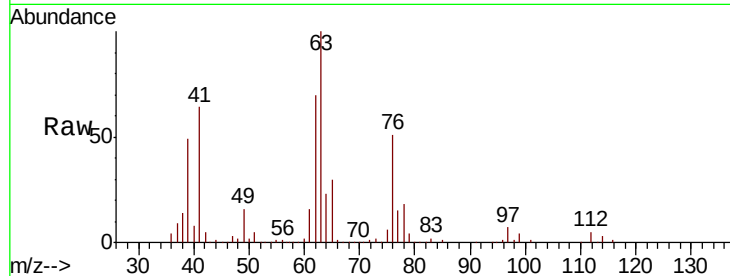




#37
 1,2-Dichloropropane
 Concen: 10.196 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

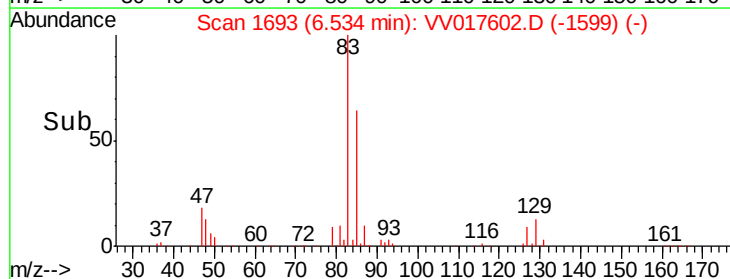
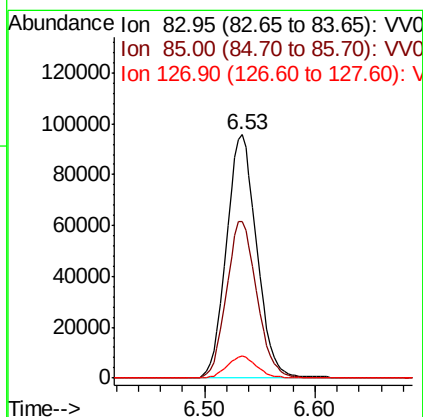
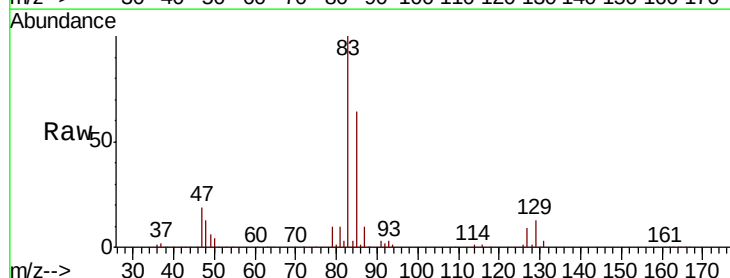
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

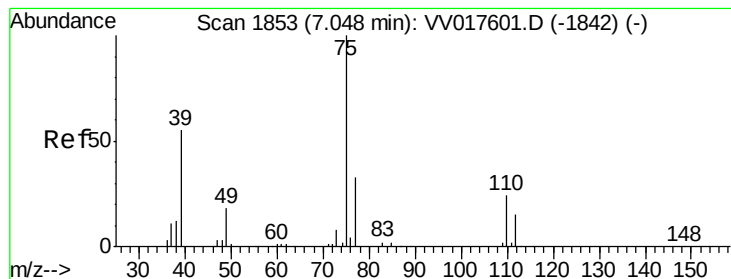
Tot Ion: 63 Resp: 121433
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.5 6.7



#38
 Bromodichloromethane
 Concen: 10.113 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

Tgt Ion: 83 Resp: 182297
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.7 83.1
 127 9.0 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 10.519 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

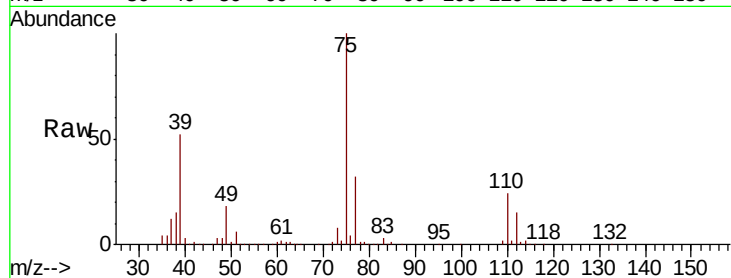
VSTD01033

Tot Ion: 75 Resp: 196153

Ion Ratio Lower Upper

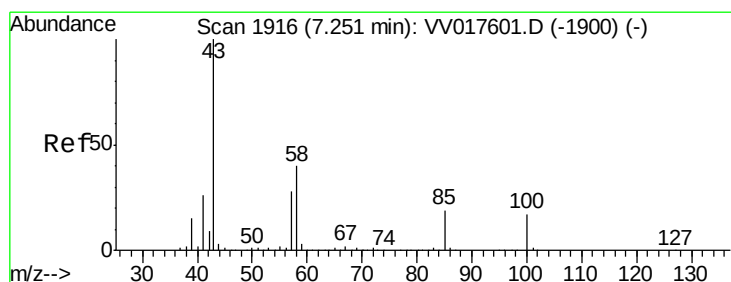
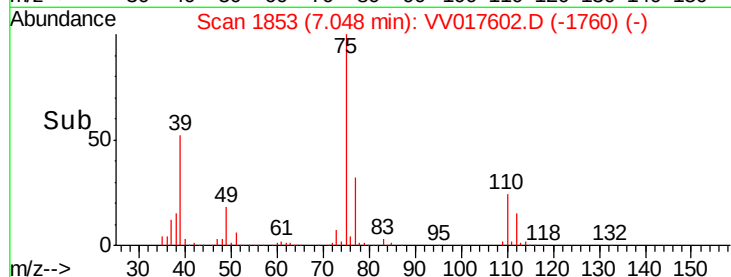
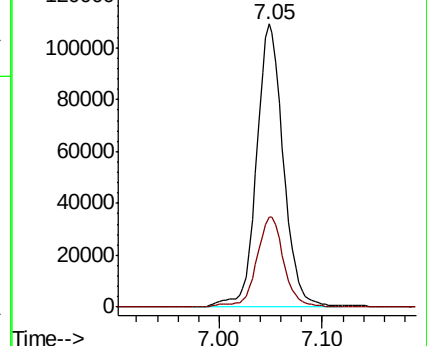
75 100

77 31.7 23.2 43.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 112.058 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

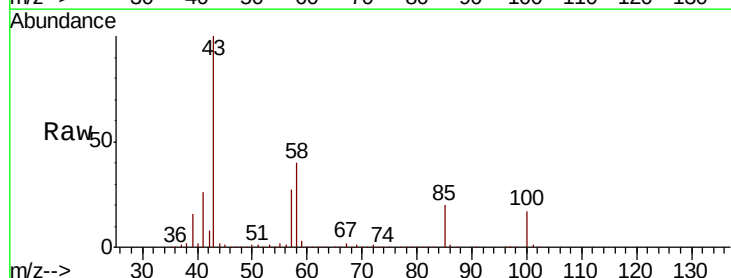
Tgt Ion: 43 Resp: 710815

Ion Ratio Lower Upper

43 100

58 39.2 31.2 46.8

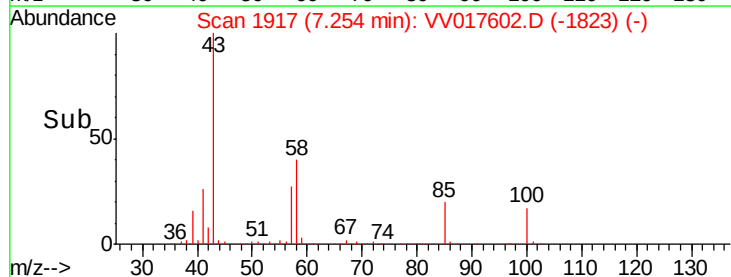
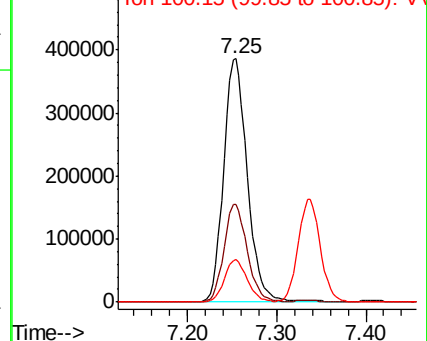
100 16.9 13.6 20.4

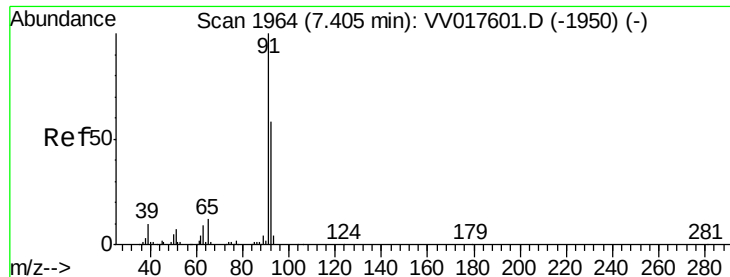


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 10.562 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

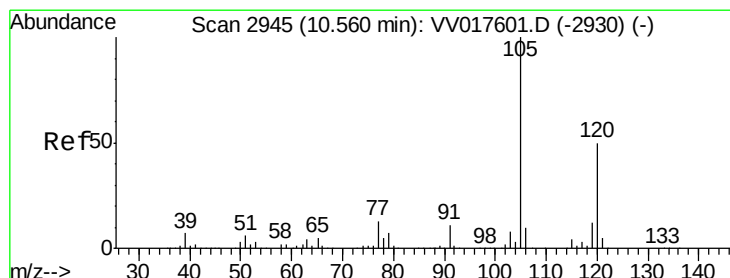
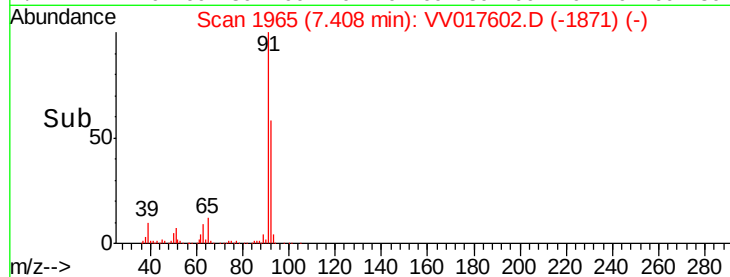
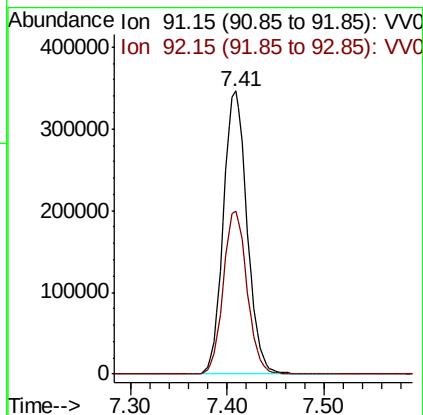
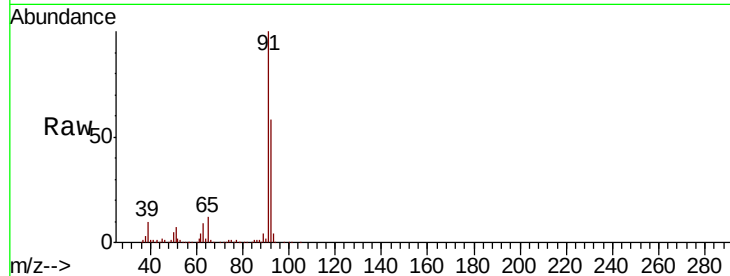
VSTD01033

Tot Ion: 91 Resp: 590866

Ion Ratio Lower Upper

91 100

92 57.7 40.8 75.8



#43

1,3,5-Trimethylbenzene

Concen: 10.720 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017602.D

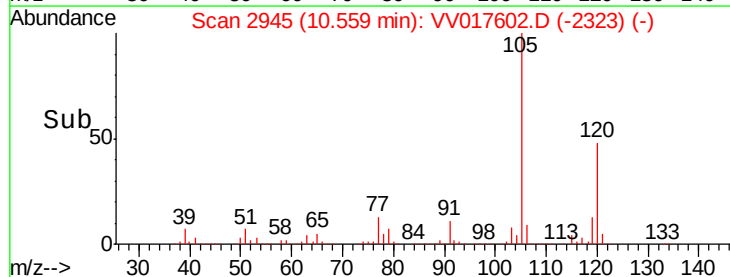
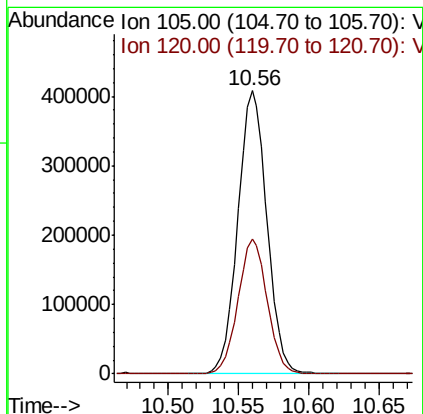
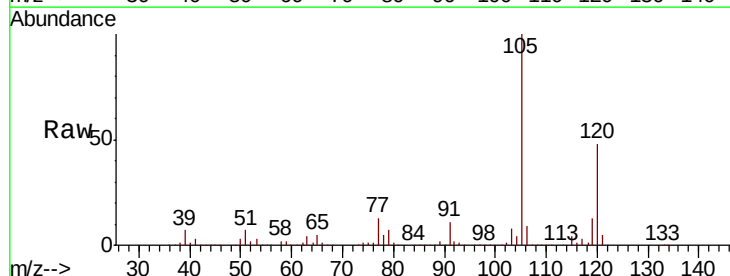
Acq: 23 Jul 2020 13:43

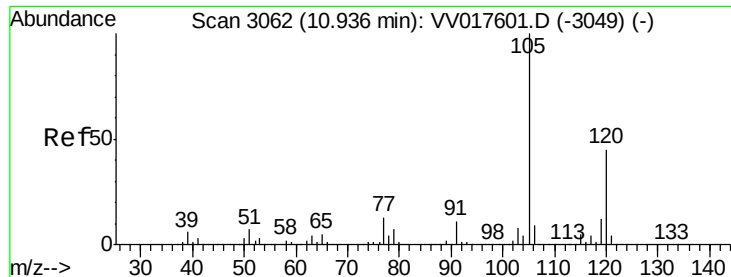
Tgt Ion: 105 Resp: 589123

Ion Ratio Lower Upper

105 100

120 48.0 39.4 59.2

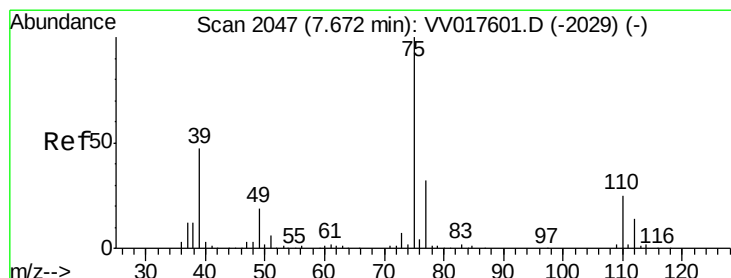
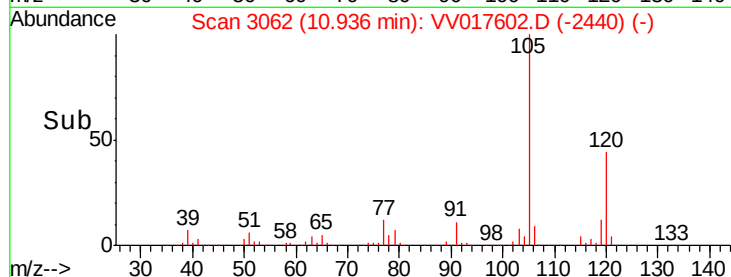
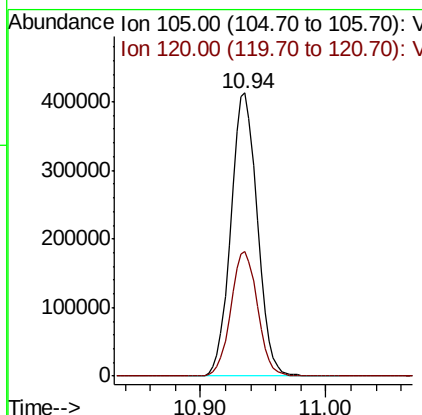
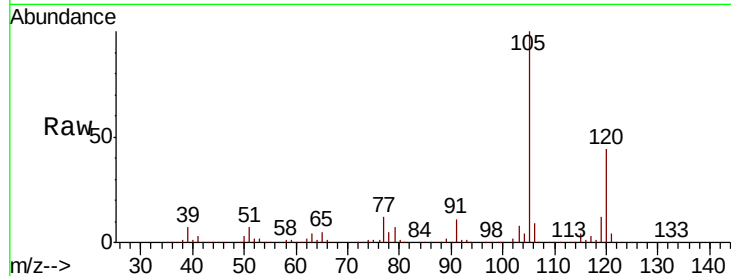




#44
 1,2,4-Trimethylbenzene
 Concen: 11.057 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

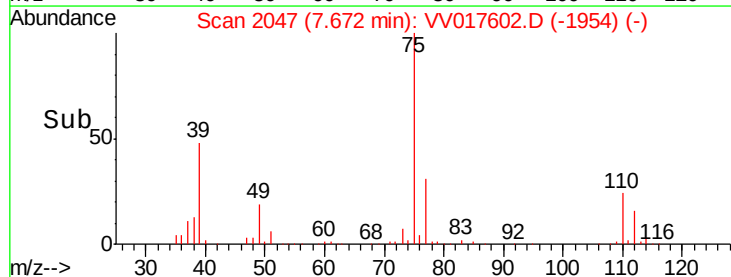
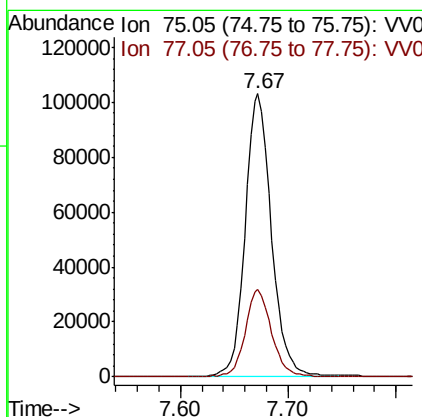
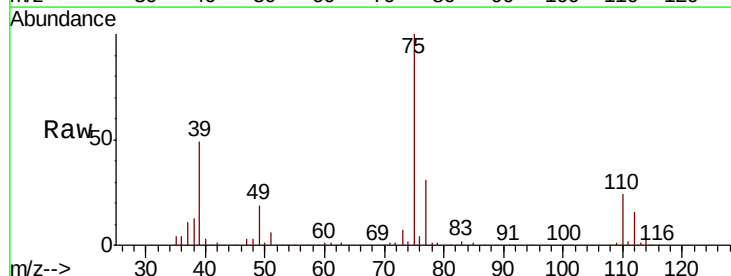
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

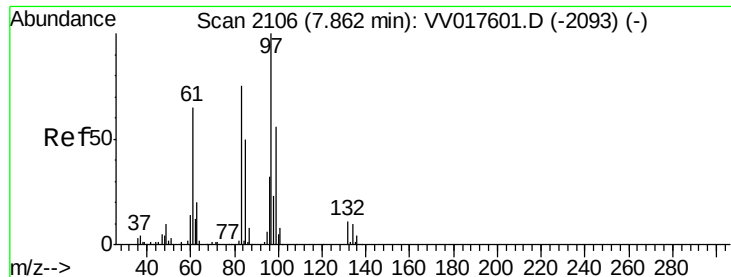
Tot Ion:105 Resp: 607118
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.9 53.9



#46
 trans-1,3-Dichloropropene
 Concen: 10.569 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

Tgt Ion: 75 Resp: 174741
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.5 41.7





#47

1,1,2-Trichloroethane

Concen: 9.916 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

Tot Ion: 97 Resp: 88640

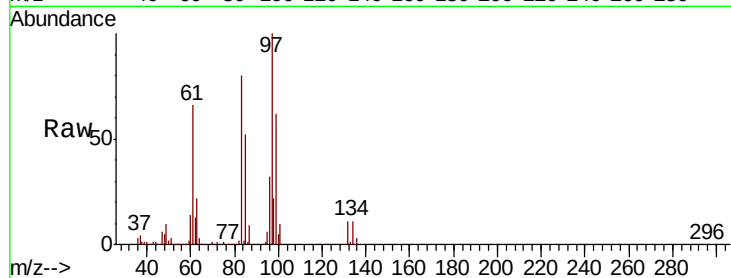
Ion Ratio Lower Upper

97 100

99 62.5 39.5 73.4

83 80.3 52.6 97.6

85 51.9 35.1 65.1

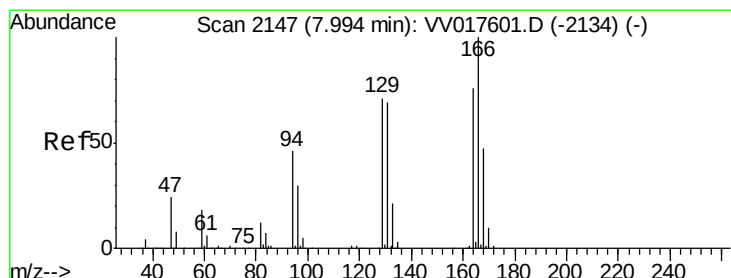
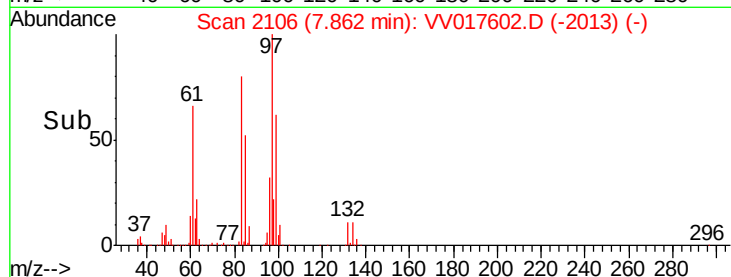
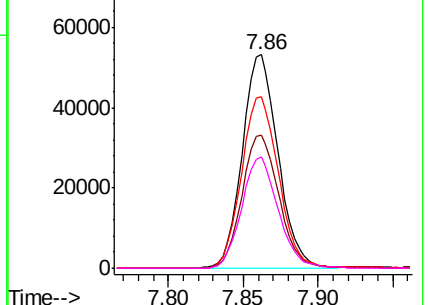


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49

Tetrachloroethene

Concen: 9.747 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Tgt Ion: 164 Resp: 126787

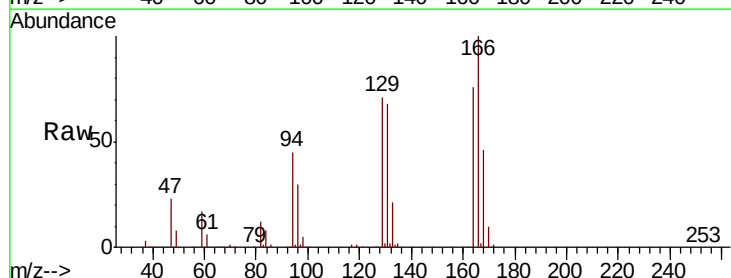
Ion Ratio Lower Upper

164 100

129 94.5 65.0 120.8

131 90.4 63.6 118.2

166 132.3 91.7 170.3

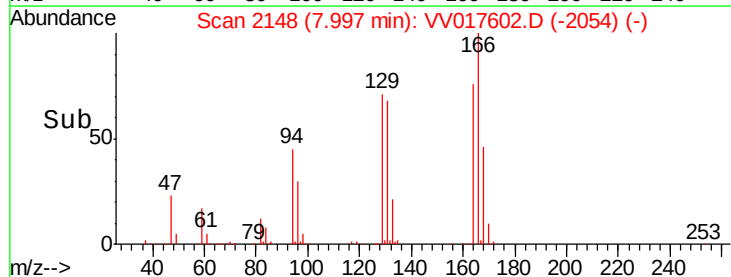
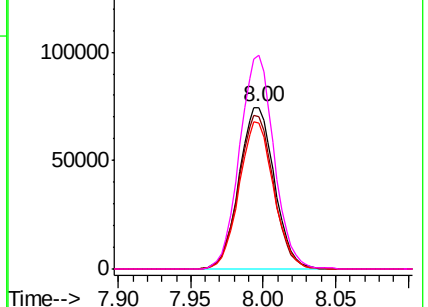


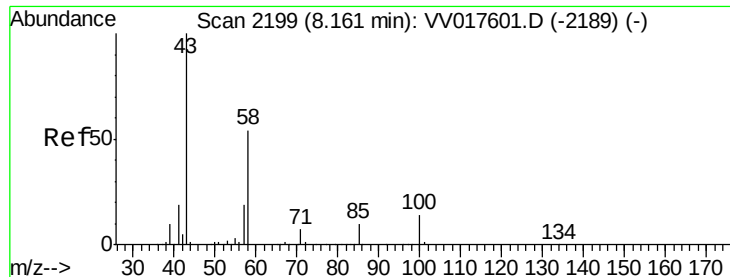
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

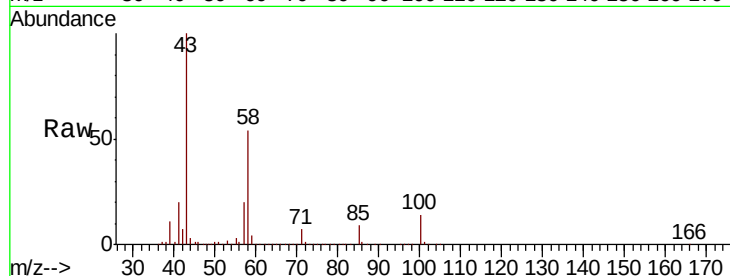




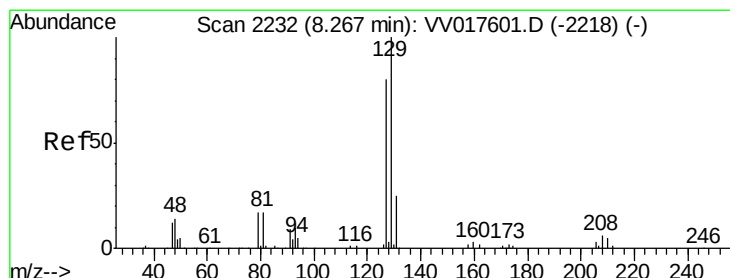
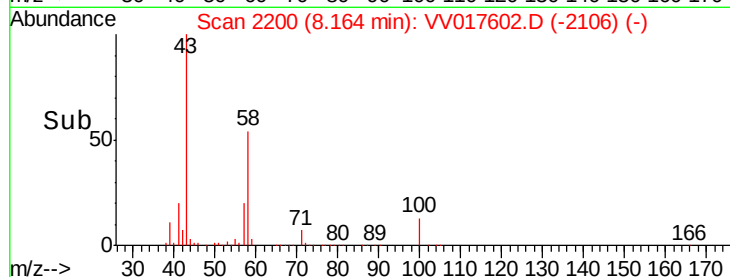
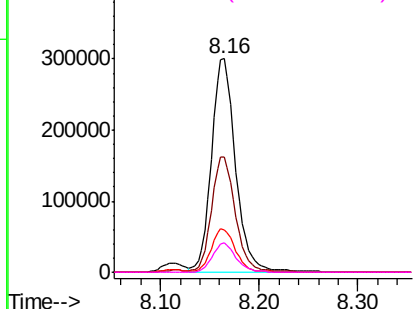
#50
2-Hexanone
Concen: 109.409 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tot Ion: 43 Resp: 510518
Ion Ratio Lower Upper
43 100
58 53.2 41.6 62.4
57 20.3 15.4 23.0
100 13.5 11.2 16.8

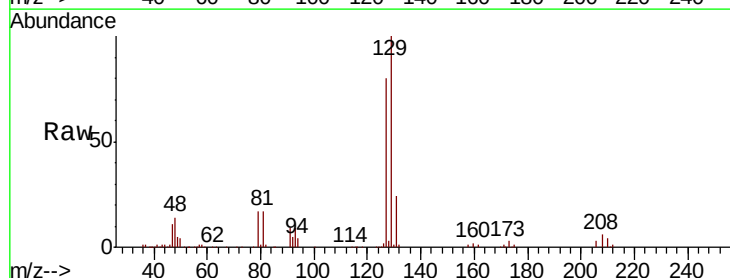


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

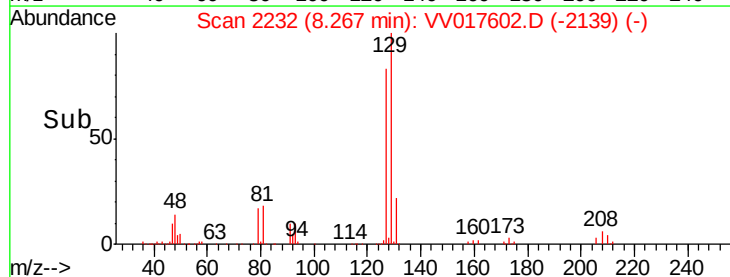
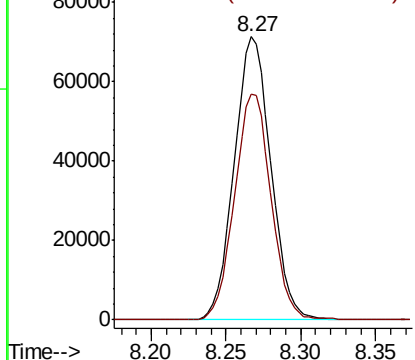


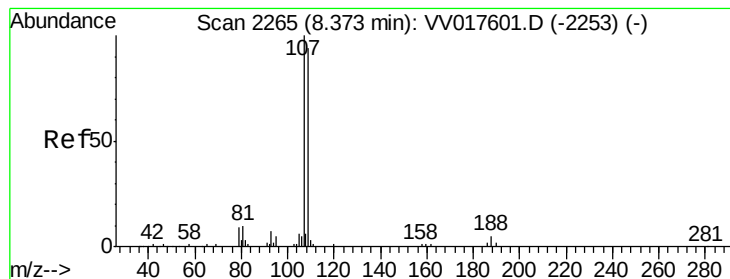
#51
Dibromochloromethane
Concen: 10.112 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017602.D
Acq: 23 Jul 2020 13:43

Tgt Ion:129 Resp: 121820
Ion Ratio Lower Upper
129 100
127 79.9 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 9.842 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

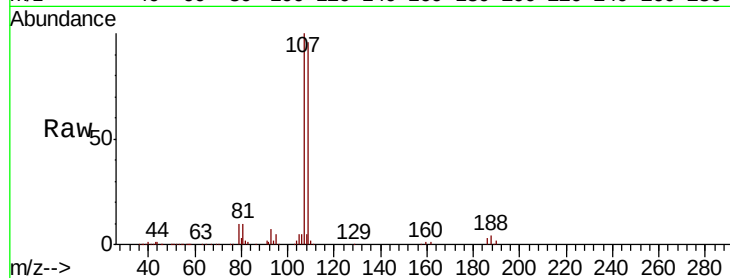
Tot Ion:107 Resp: 85699

Ion Ratio Lower Upper

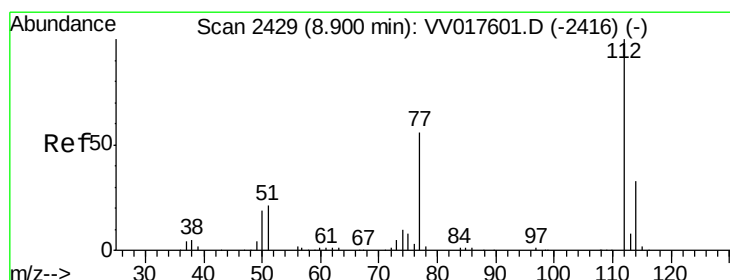
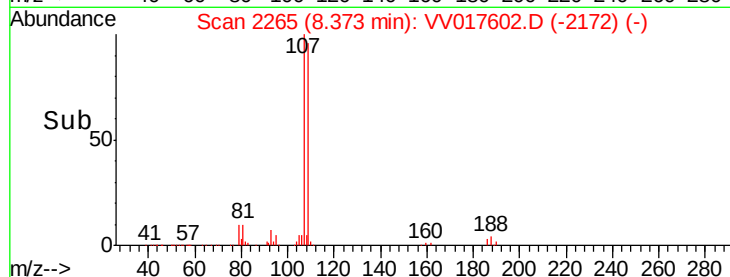
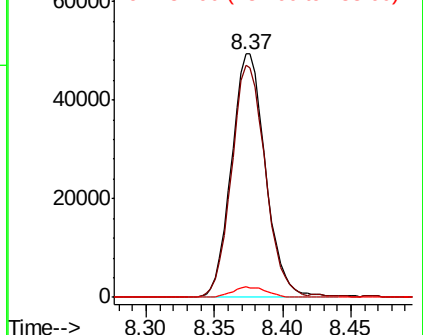
107 100

109 95.6 65.5 121.7

188 4.2 3.7 5.5



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 10.079 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

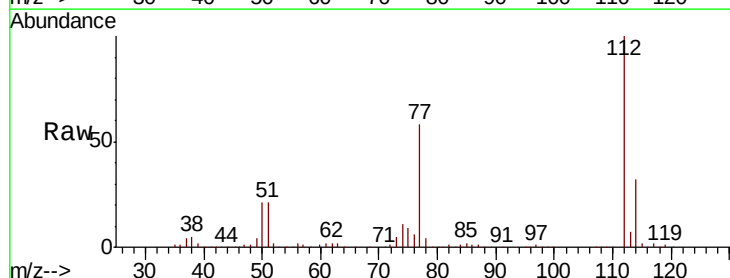
Tgt Ion:112 Resp: 376807

Ion Ratio Lower Upper

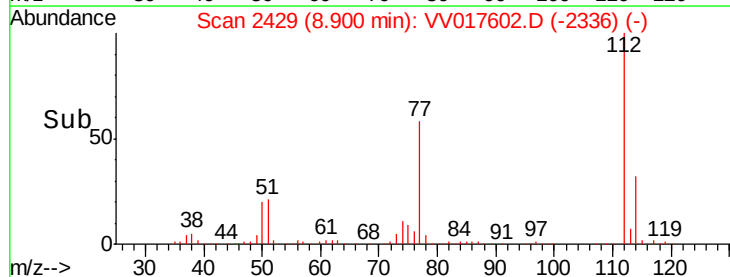
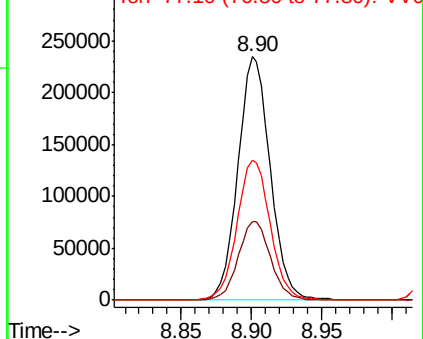
112 100

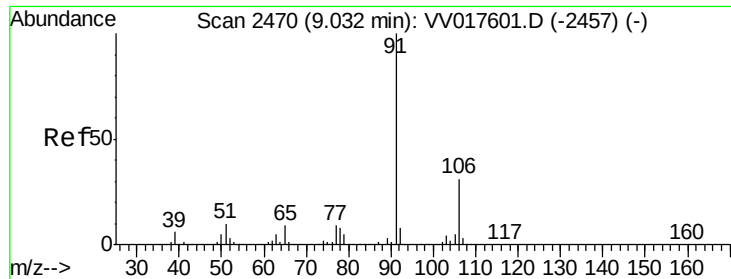
114 32.5 23.2 43.2

77 57.7 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 10.480 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

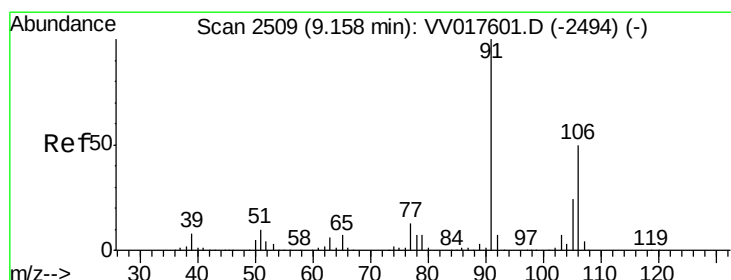
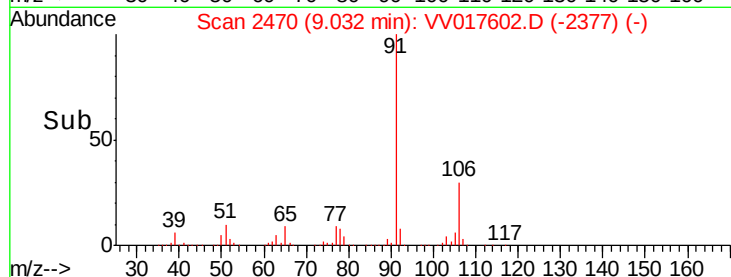
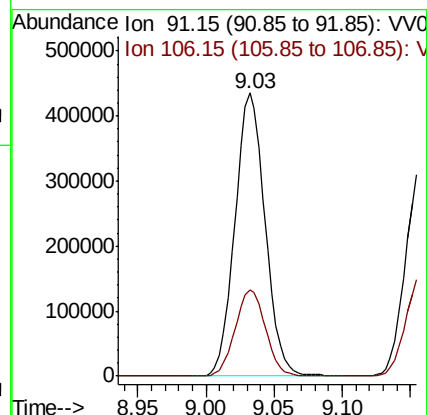
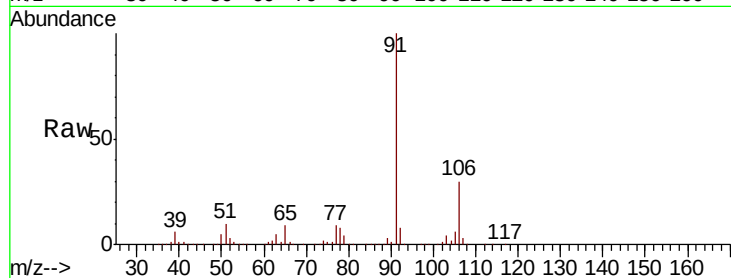
VSTD01033

Tot Ion: 91 Resp: 667298

Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.2



#55

m,p-xylene

Concen: 10.453 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017602.D

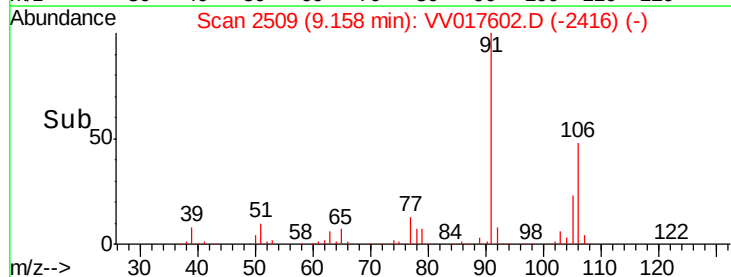
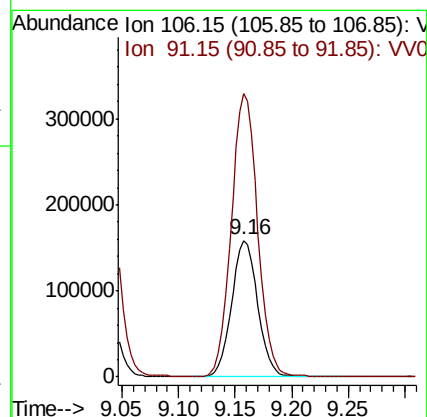
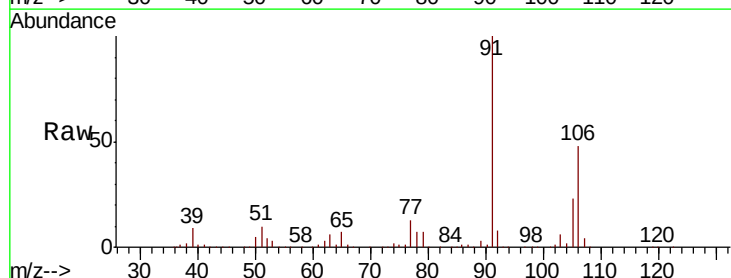
Acq: 23 Jul 2020 13:43

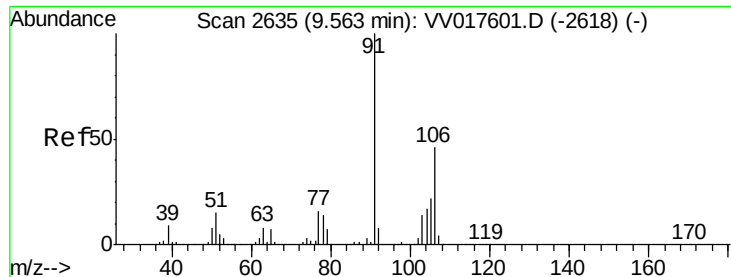
Tgt Ion: 106 Resp: 252338

Ion Ratio Lower Upper

106 100

91 207.3 141.3 262.3





#56

o-xylene

Concen: 10.386 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

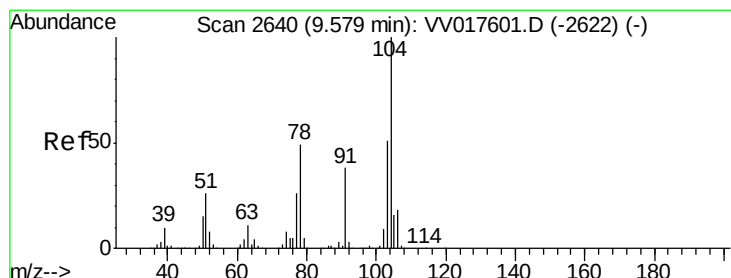
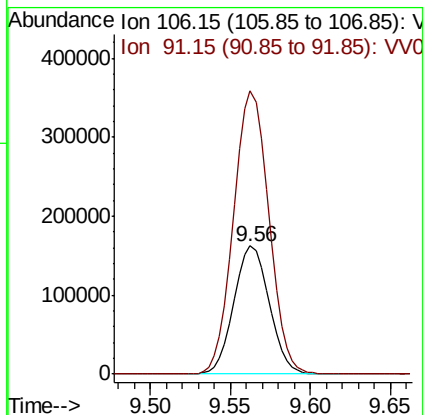
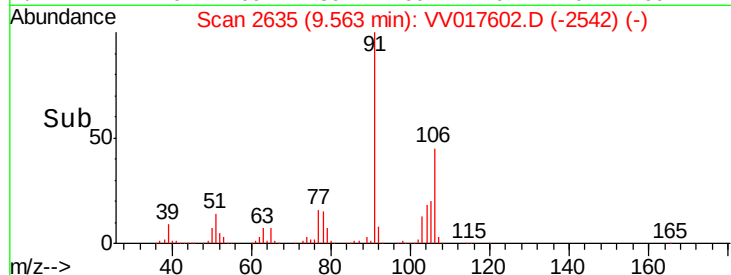
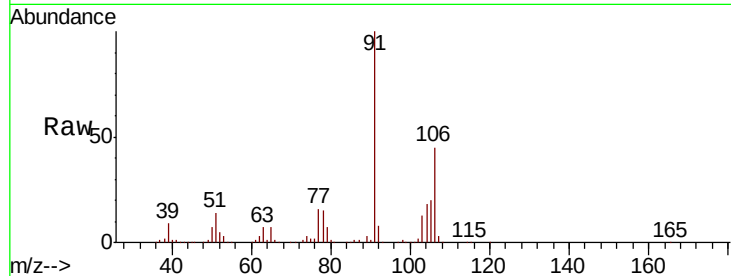
VSTD01033

Tot Ion:106 Resp: 243998

Ion Ratio Lower Upper

106 100

91 220.5 153.9 285.7



#57

Styrene

Concen: 10.668 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017602.D

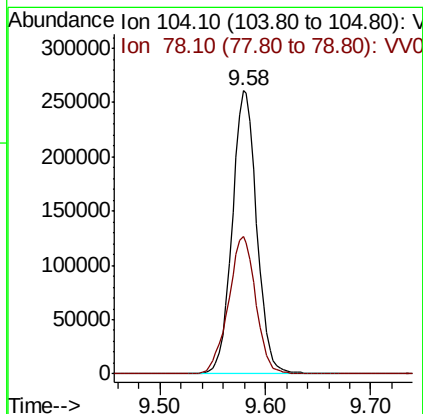
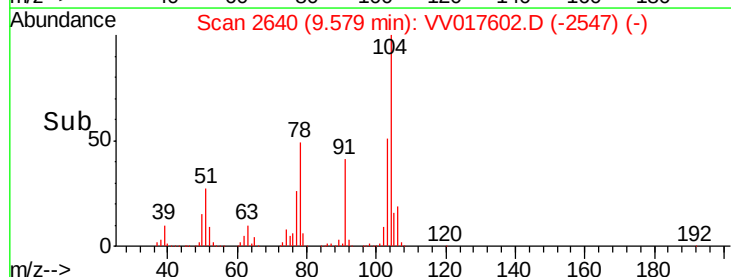
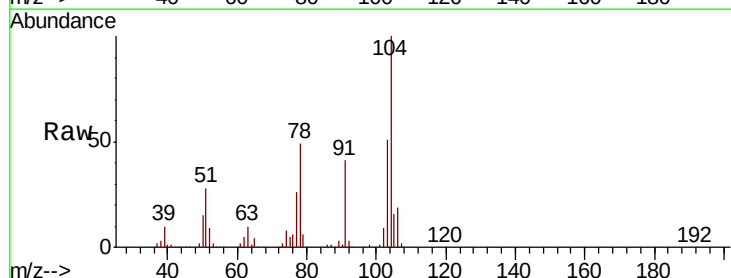
Acq: 23 Jul 2020 13:43

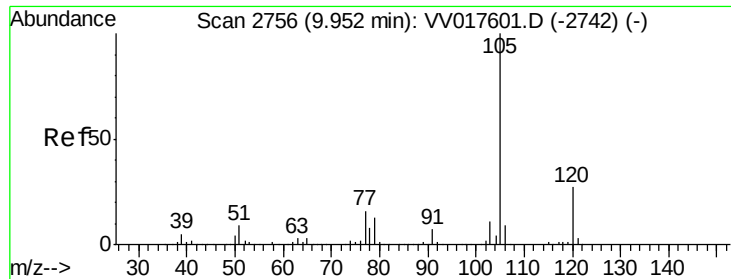
Tgt Ion:104 Resp: 418805

Ion Ratio Lower Upper

104 100

78 48.7 34.0 63.2





#58

Isopropylbenzene

Concen: 10.415 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

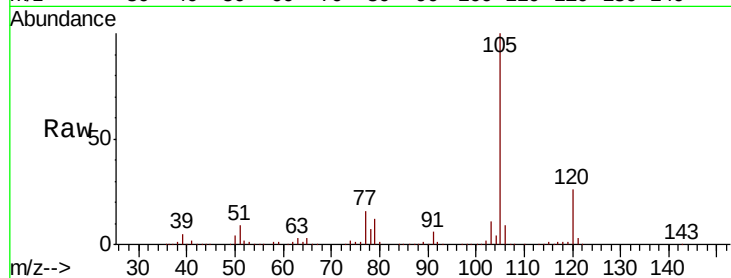
Tot Ion:105 Resp: 683710

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

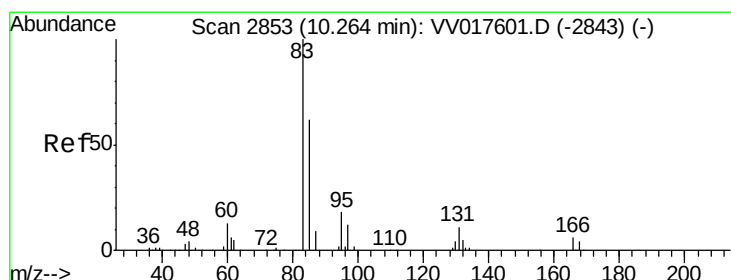
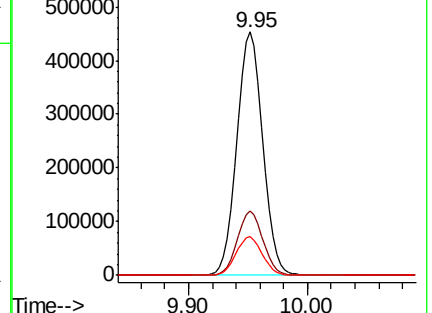
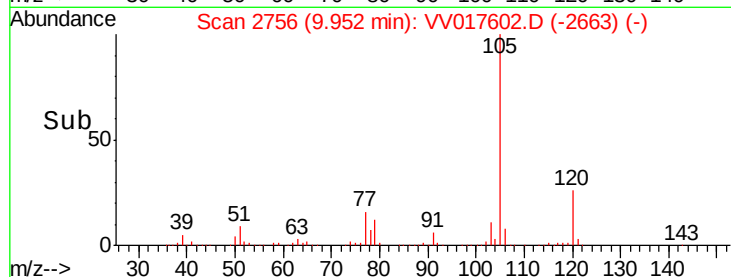
77 16.1 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 10.879 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

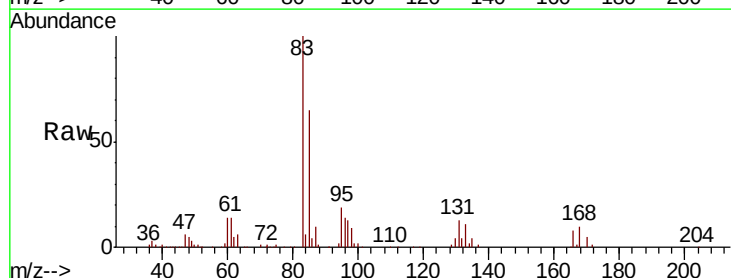
Tgt Ion: 83 Resp: 99741

Ion Ratio Lower Upper

83 100

85 65.2 44.4 82.5

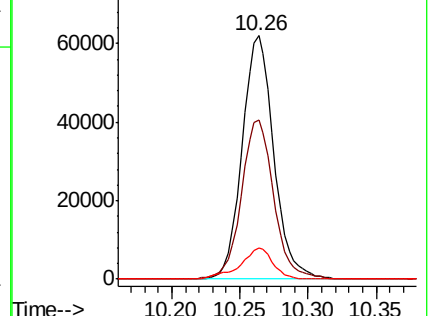
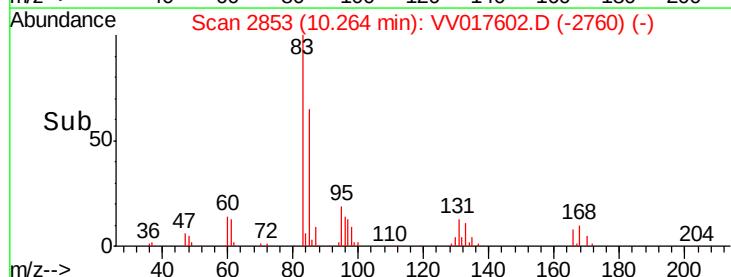
131 12.6 9.2 13.8

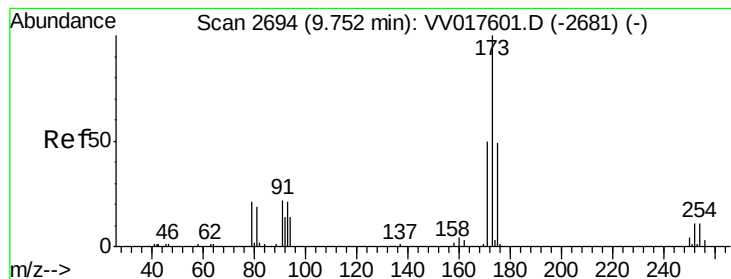


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 9.506 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

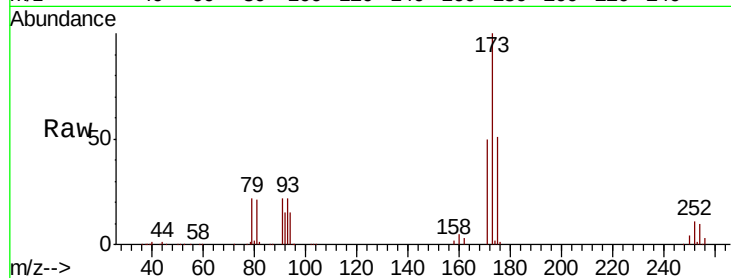
Tot Ion:173 Resp: 67782

Ion Ratio Lower Upper

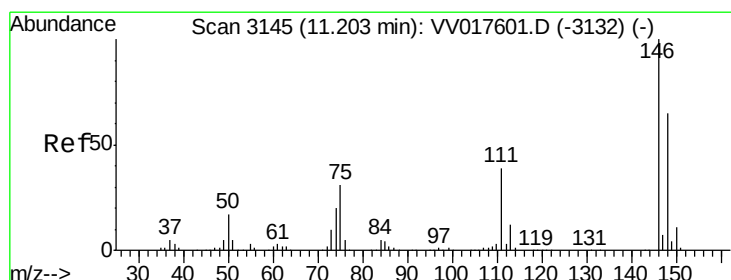
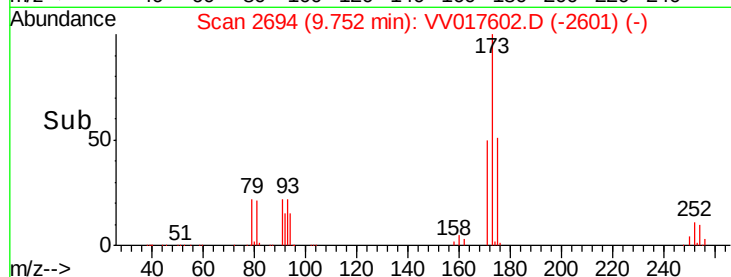
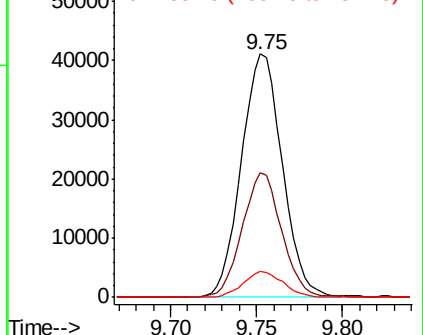
173 100

175 49.4 39.6 59.4

254 10.2 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 9.748 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

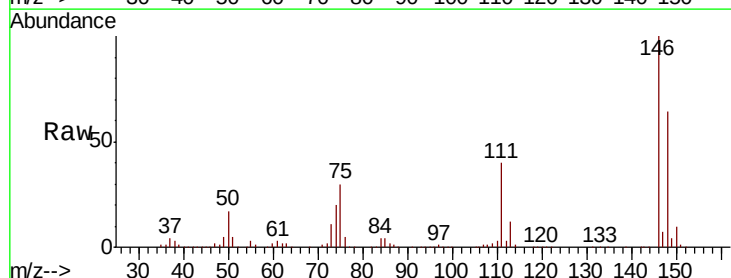
Tgt Ion:146 Resp: 332835

Ion Ratio Lower Upper

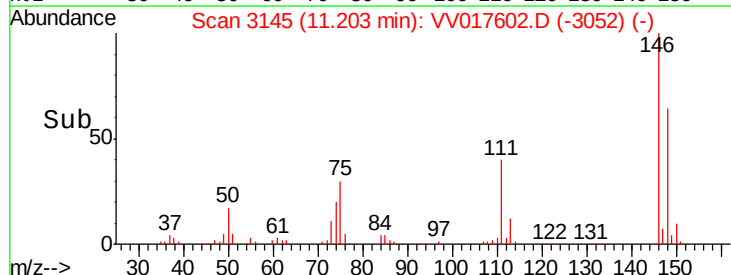
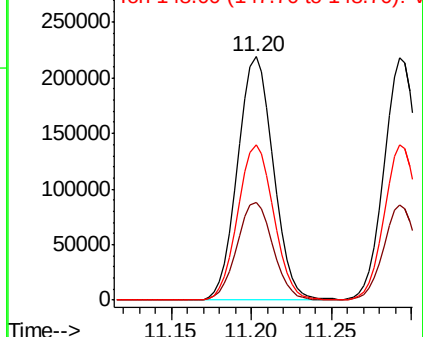
146 100

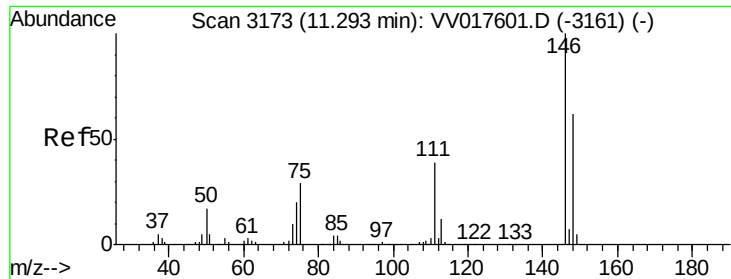
111 40.4 27.3 50.7

148 63.6 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

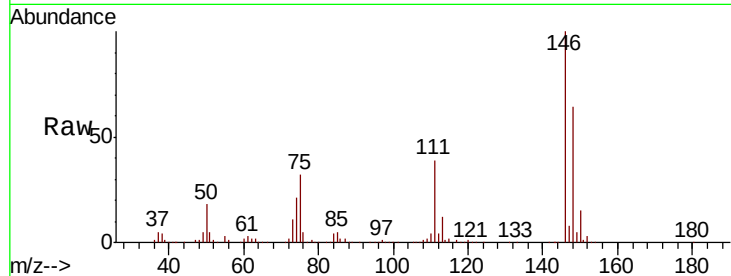




#64
 1,4-Dichlorobenzene
 Concen: 9.784 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.4	51.0
148	64.2	43.8	81.4

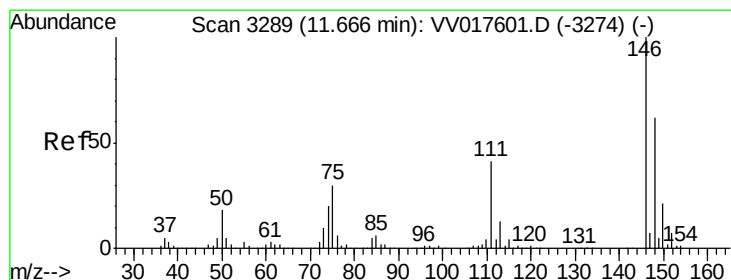
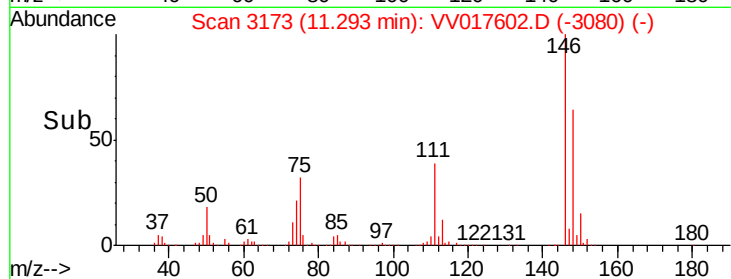
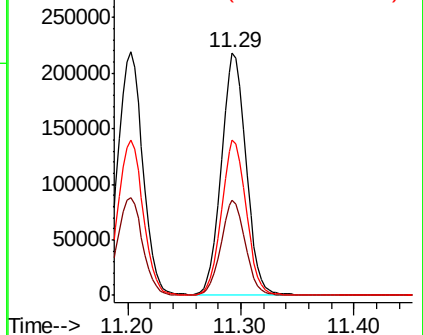


Abundance

Ion 145.95 (145.65 to 146.65): V

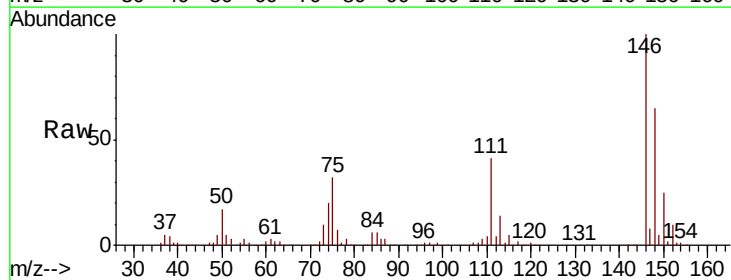
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dichlorobenzene
 Concen: 9.662 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	33.0	49.4
148	64.9	49.9	74.9

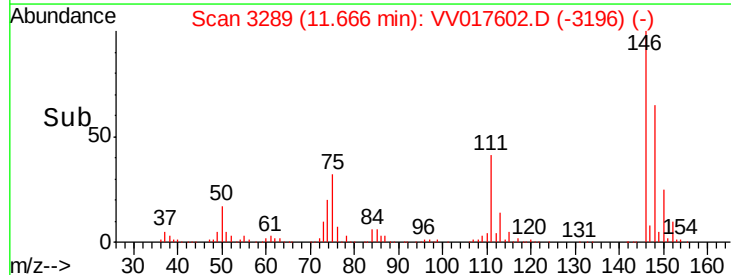
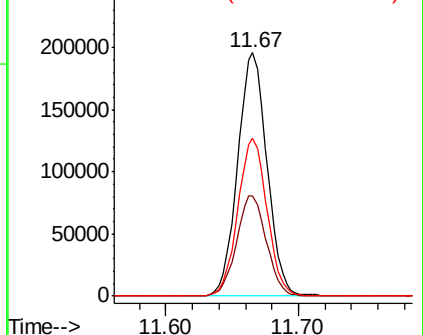


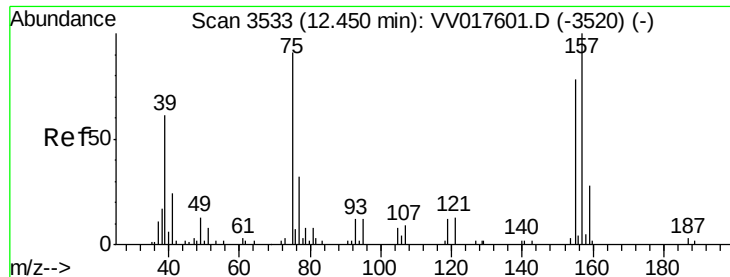
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 10.143 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

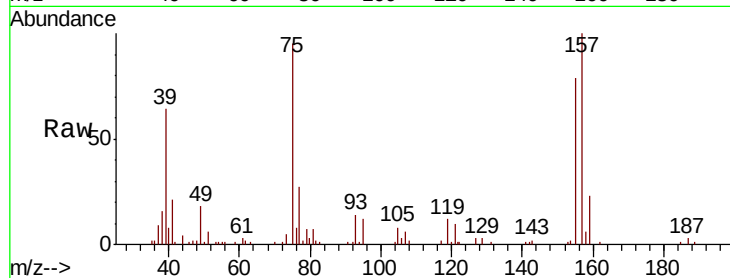
Tot Ion: 75 Resp: 19747

Ion Ratio Lower Upper

75 100

155 83.2 68.7 103.1

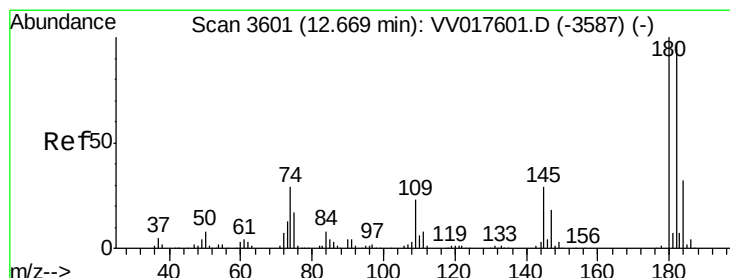
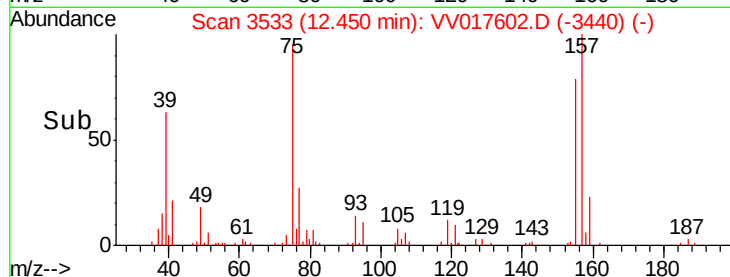
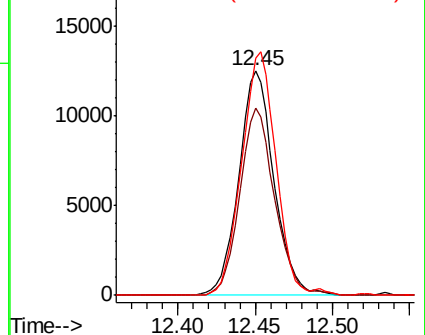
157 105.6 87.8 131.8



Abundance Ion 75.05 (74.75 to 75.75): VV017602.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV017602.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV017602.D (-3440) (-)



#68

1,3,5-Trichlorobenzene

Concen: 9.986 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Tgt Ion: 180 Resp: 276528

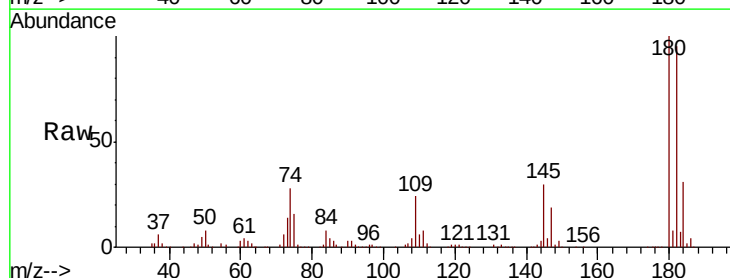
Ion Ratio Lower Upper

180 100

182 95.6 77.1 115.7

184 30.5 25.2 37.8

145 29.9 24.1 36.1

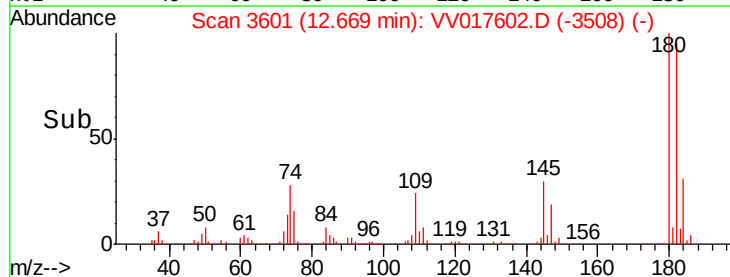
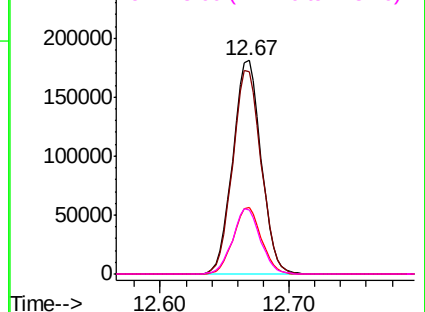


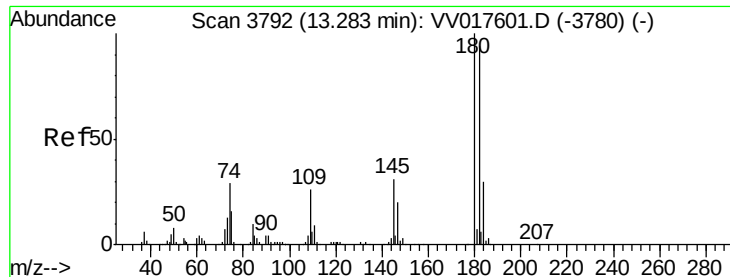
Abundance Ion 180.00 (179.70 to 180.70): VV017602.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV017602.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV017602.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV017602.D (-3508) (-)

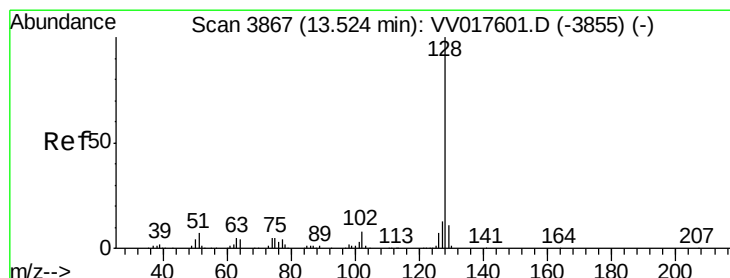
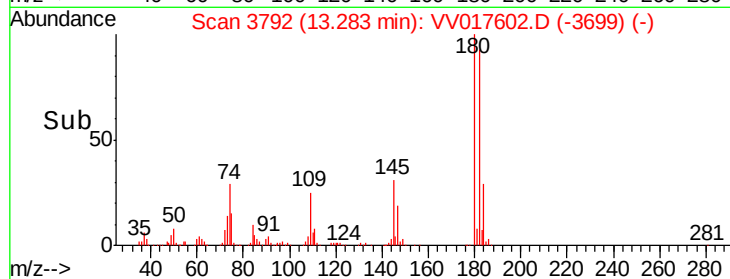
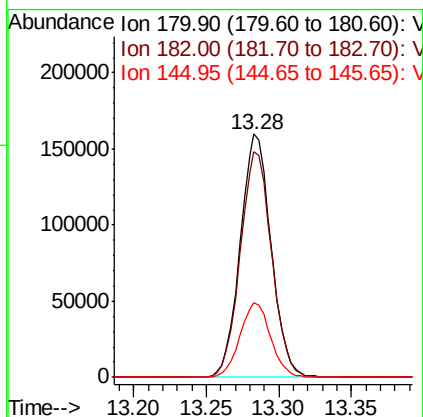
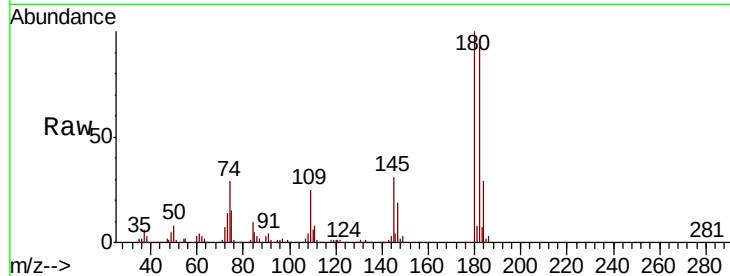




#69
 1,2,4-trichlorobenzene
 Concen: 10.286 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

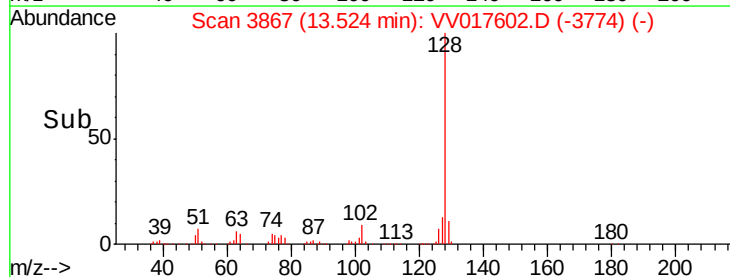
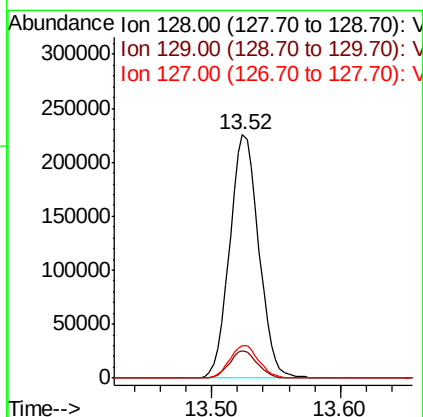
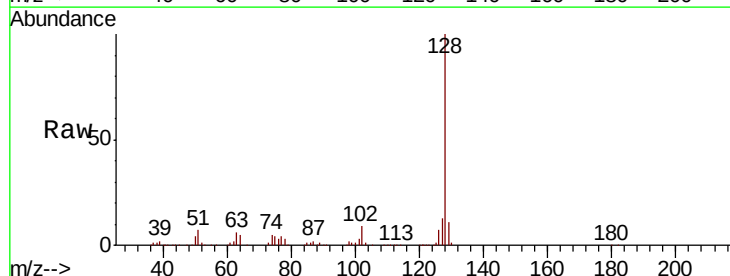
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

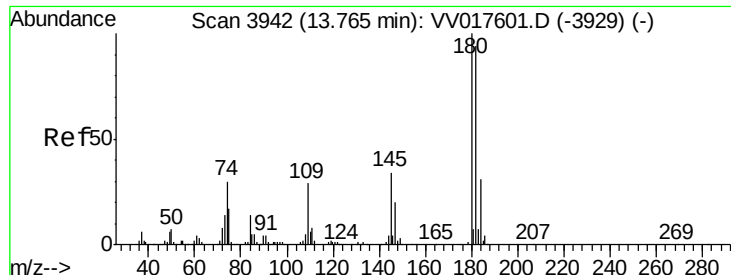
Tot Ion:180 Resp: 236274
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.4 113.2
 145 30.7 24.2 36.2



#70
 Naphthalene
 Concen: 10.839 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV017602.D
 Acq: 23 Jul 2020 13:43

Tgt Ion:128 Resp: 352768
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.1 13.7
 127 13.4 11.0 16.6





#71

1,2,3-Trichlorobenzene

Concen: 10.556 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017602.D

Acq: 23 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

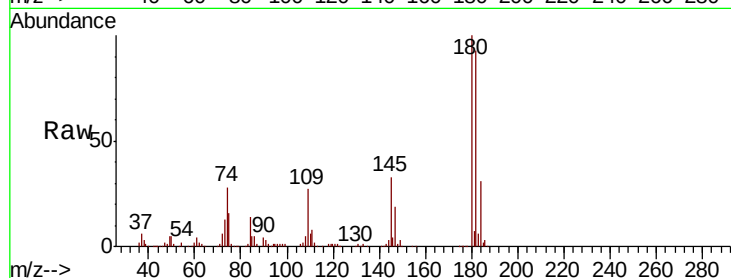
Tot Ion:180 Resp: 209534

Ion Ratio Lower Upper

180 100

182 93.5 74.2 111.4

145 33.5 26.0 39.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

