

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
 Data File : VV016761.D
 Acq On : 10 Jun 2020 11:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Jun 11 00:37:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 06:10:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	389772	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	367499	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192785	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	133613	48.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.16%
7) Chloroethane-d5	1.56	69	84713	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.66%
11) 1,1-Dichloroethene-d2	2.12	63	220514	47.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.50%
21) 2-Butanone-d5	3.89	46	191613	94.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.13%
24) Chloroform-d	4.37	84	261110	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
26) 1,2-Dichloroethane-d4	5.05	65	175983	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
32) Benzene-d6	5.07	84	500856	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.56%
36) 1,2-Dichloropropane-d6	6.09	67	155396	47.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.12%
41) Toluene-d8	7.33	98	464594	47.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.58%
43) trans-1,3-Dichloropropene-	7.64	79	82969	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
47) 2-Hexanone-d5	8.11	63	127796	88.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	202892	46.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	189993	46.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	157896	51.096	ug/L 100
3) Chloromethane	1.25	50	135893	48.088	ug/L 99
5) Vinyl chloride	1.32	62	135521	48.766	ug/L 98
6) Bromomethane	1.52	94	52569	45.419	ug/L 99
8) Chloroethane	1.58	64	70101	51.067	ug/L 100
9) Trichlorofluoromethane	1.76	101	206934	49.759	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	102886	49.648	ug/L 99
12) 1,1-Dichloroethene	2.13	96	92682	47.909	ug/L 97
13) Acetone	2.17	43	153486	114.438	ug/L 100
14) Carbon disulfide	2.30	76	335695	47.927	ug/L 100
15) Methyl Acetate	2.44	43	146957	49.160	ug/L 98
16) Methylene chloride	2.52	84	137365	48.389	ug/L 99
17) trans-1,2-Dichloroethene	2.77	96	129412	49.063	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	438680	50.193	ug/L 99
19) 1,1-Dichloroethane	3.21	63	244947	49.335	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	139494	48.510	ug/L 100
22) 2-Butanone	3.98	43	226194	109.365	ug/L 98

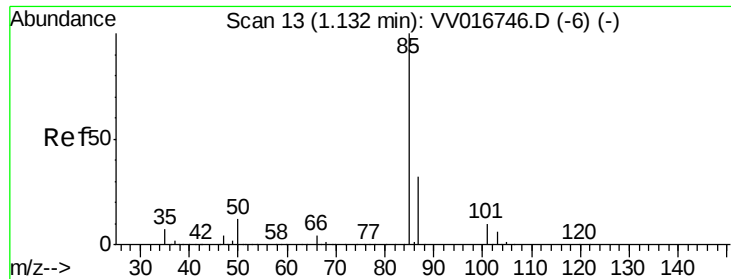
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
 Data File : VV016761.D
 Acq On : 10 Jun 2020 11:48
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 06:10:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	73664	48.630	ug/L	96
25) Chloroform	4.40	83	254372	49.852	ug/L	98
27) 1,2-Dichloroethane	5.15	62	213407	49.892	ug/L	100
29) Cyclohexane	4.70	56	223715	48.988	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	235462	50.241	ug/L	99
31) Carbon tetrachloride	4.85	117	203873	50.284	ug/L	99
33) Benzene	5.12	78	526152	48.390	ug/L	100
34) Trichloroethene	5.93	95	144357	49.502	ug/L	99
35) Methylcyclohexane	6.15	83	230806	50.451	ug/L	98
37) 1,2-Dichloropropane	6.19	63	140165	49.569	ug/L	100
38) Bromodichloromethane	6.53	83	189718	50.401	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	228076	51.926	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	407559	101.715	ug/L	99
42) Toluene	7.41	91	569033	49.643	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	221081	51.773	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	134249	49.210	ug/L	98
46) Tetrachloroethene	7.99	164	116396	50.750	ug/L	98
48) 2-Hexanone	8.16	43	328434	105.715	ug/L	99
49) Dibromochloromethane	8.26	129	148416	50.881	ug/L	99
50) 1,2-Dibromoethane	8.37	107	141708	49.603	ug/L	99
51) Chlorobenzene	8.90	112	371019	49.612	ug/L	100
52) Ethylbenzene	9.03	91	647806	51.024	ug/L	98
53) m,p-Xylene	9.16	106	242798	51.362	ug/L	100
54) o-xylene	9.56	106	241880	51.881	ug/L	98
55) Styrene	9.58	104	408455	51.819	ug/L	99
56) Isopropylbenzene	9.95	105	649748	51.867	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	203084	48.553	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	173384	49.420	ug/L	99
61) Bromoform	9.75	173	100170	50.515	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	305650	50.056	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	304193	48.963	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	301233	49.227	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	46817	48.657	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	232969	51.165	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	216833	51.918	ug/L	99
69) Naphthalene	13.52	128	628642	52.328	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	213769	52.311	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 51.096 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

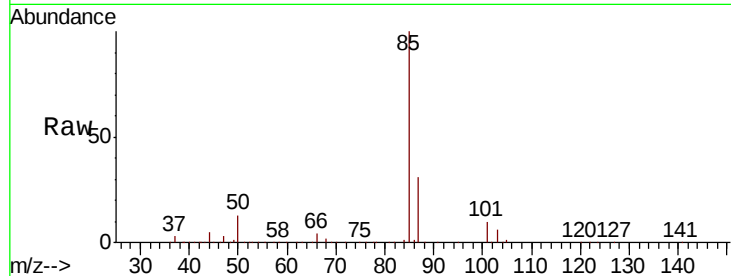
VSTD05079

Tot Ion: 85 Resp: 157896

Ion Ratio Lower Upper

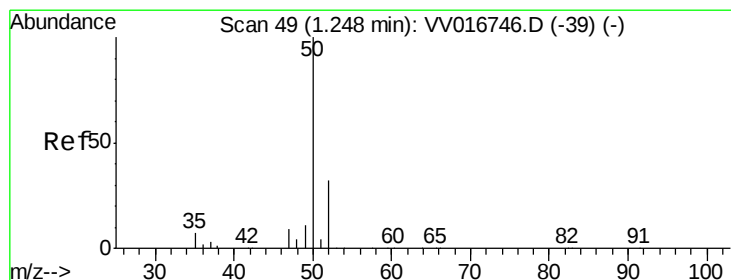
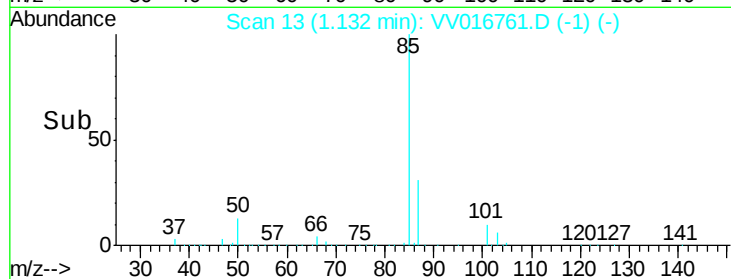
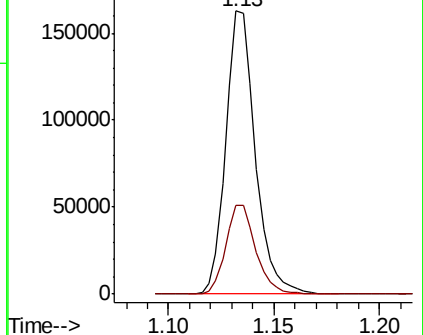
85 100

87 31.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016761.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016761.D (-1) (-)



#3

Chloromethane

Concen: 48.088 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016761.D

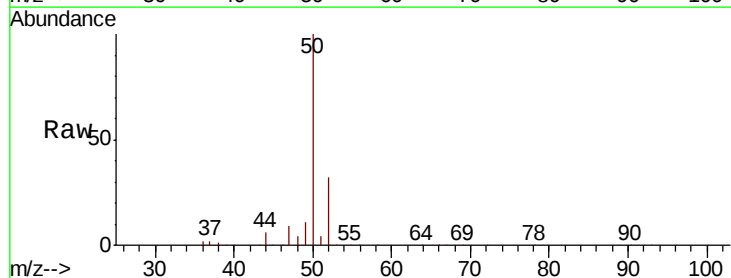
Acq: 10 Jun 2020 11:48

Tgt Ion: 50 Resp: 135893

Ion Ratio Lower Upper

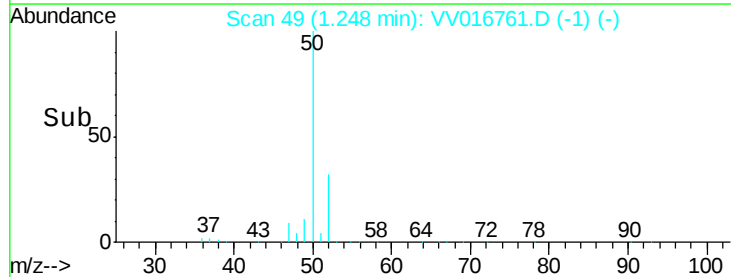
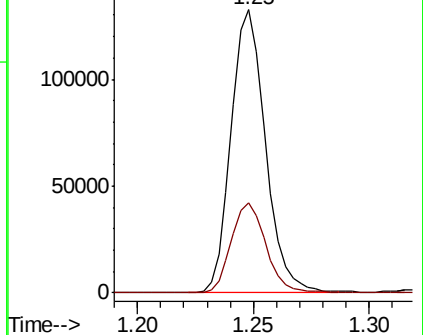
50 100

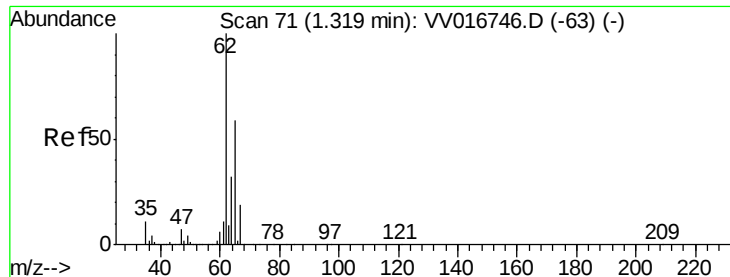
52 31.7 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016761.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV016761.D (-1) (-)





#5

Vinyl chloride

Concen: 48.766 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampled :

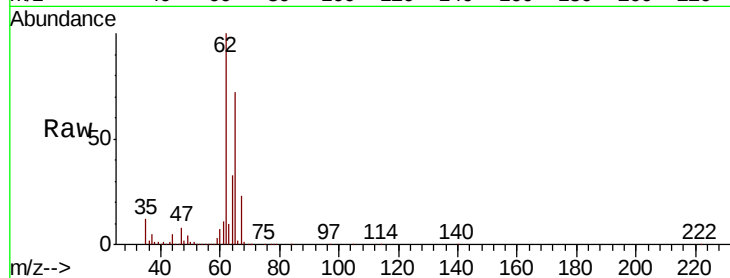
VSTD05079

Tot Ion: 62 Resp: 13521

Ion Ratio Lower Upper

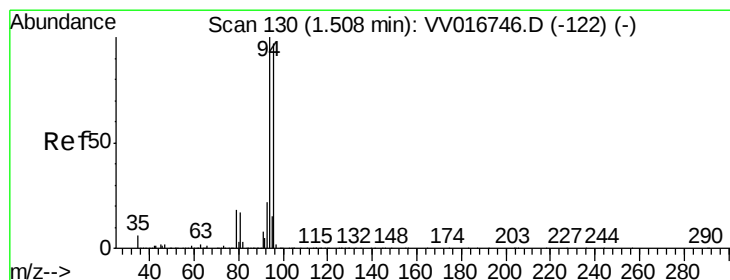
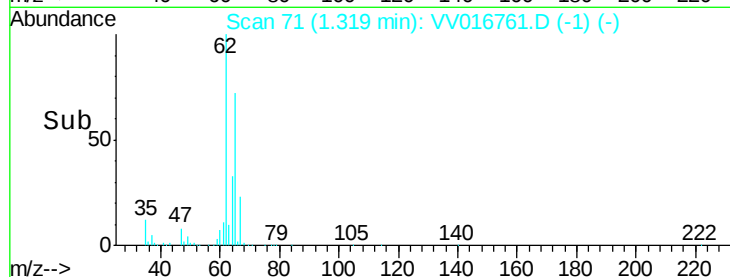
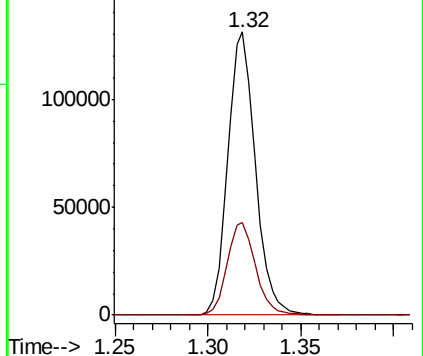
62 100

64 32.8 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.419 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.01 min

Lab File: VV016761.D

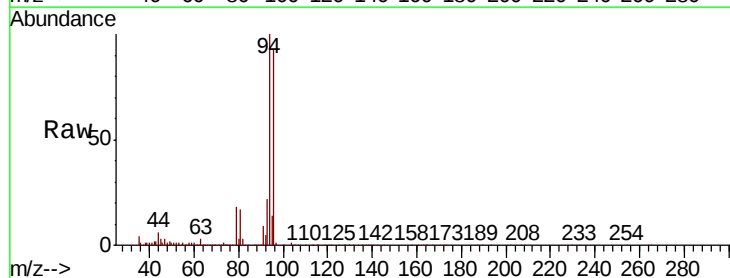
Acq: 10 Jun 2020 11:48

Tgt Ion: 94 Resp: 52569

Ion Ratio Lower Upper

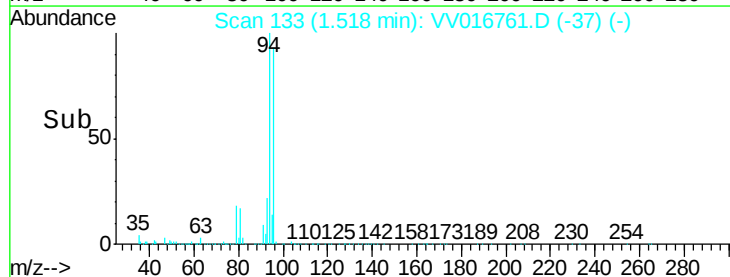
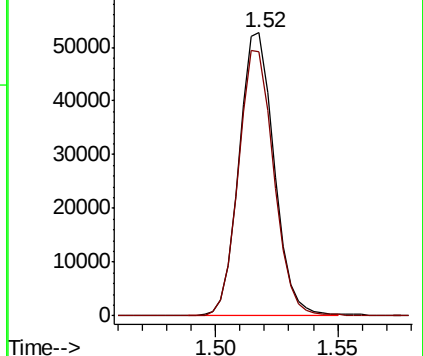
94 100

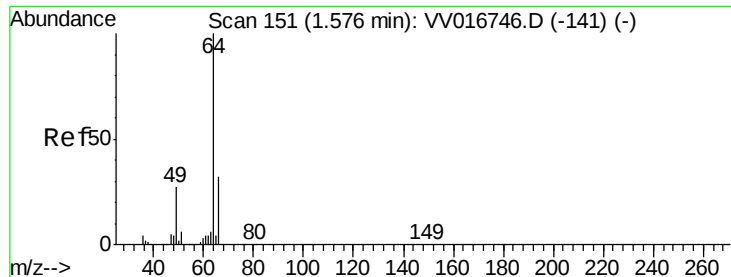
96 93.5 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 51.067 ug/L

RT: 1.58 min Scan# 152

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

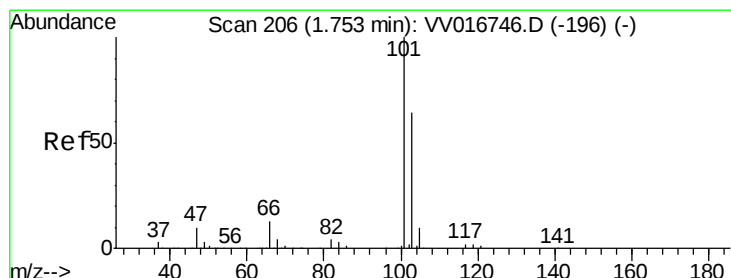
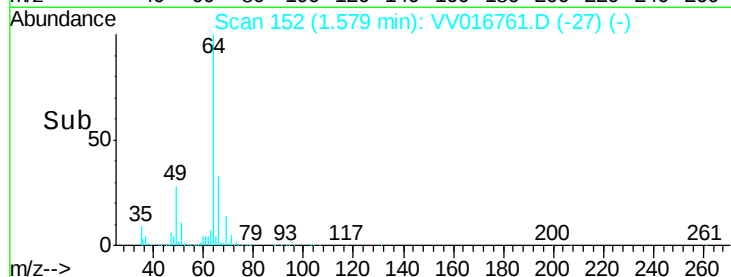
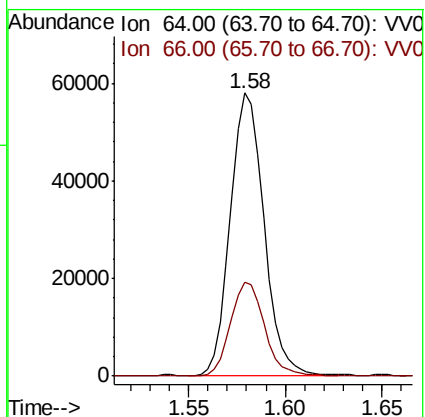
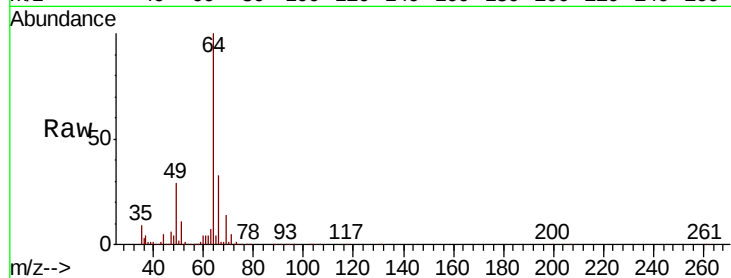
VSTD05079

Tot Ion: 64 Resp: 70101

Ion Ratio Lower Upper

64 100

66 33.2 23.2 43.0



#9

Trichlorofluoromethane

Concen: 49.759 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV016761.D

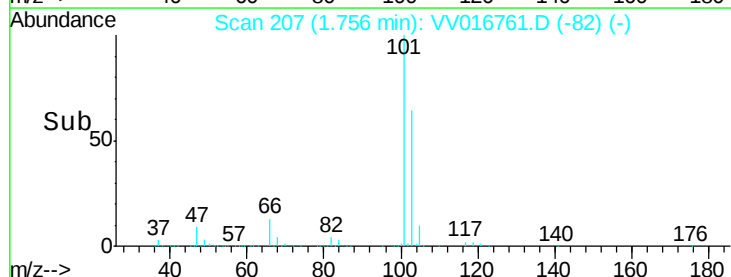
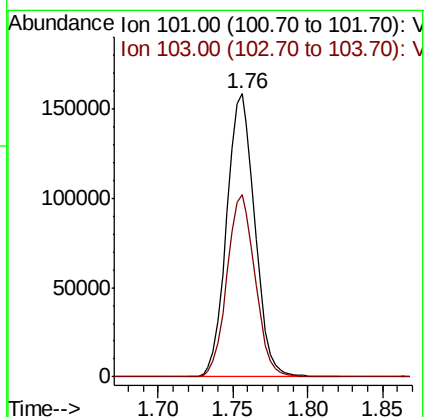
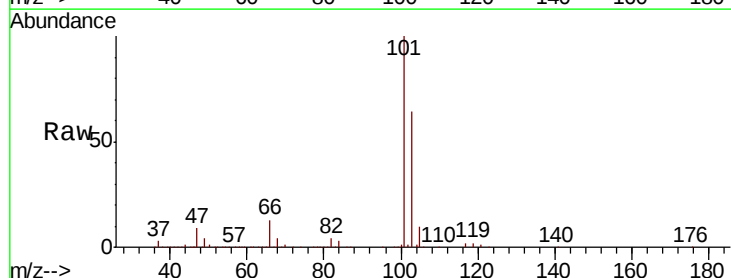
Acq: 10 Jun 2020 11:48

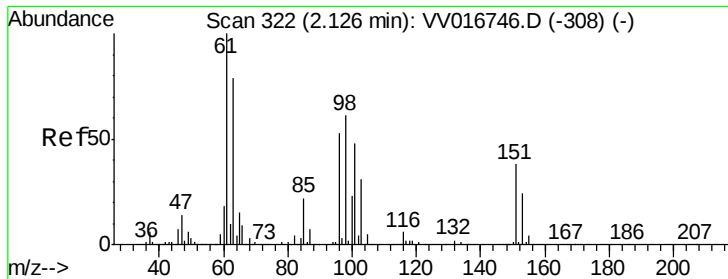
Tgt Ion: 101 Resp: 206934

Ion Ratio Lower Upper

101 100

103 64.6 51.3 76.9





#10

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

Concen: 49.648 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

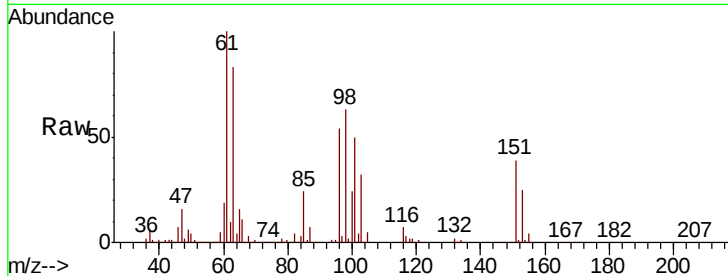
Tot Ion:101 Resp: 102886

Ion Ratio Lower Upper

101 100

85 45.8 35.5 53.3

151 79.1 63.9 95.9



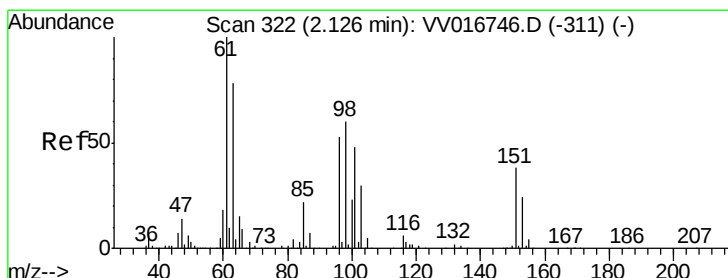
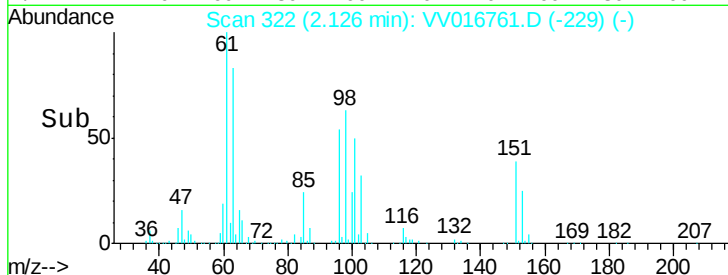
Abundance Ion 101.00 (100.70 to 101.70): VV016761.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV016761.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV016761.D (-229) (-)

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 47.909 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

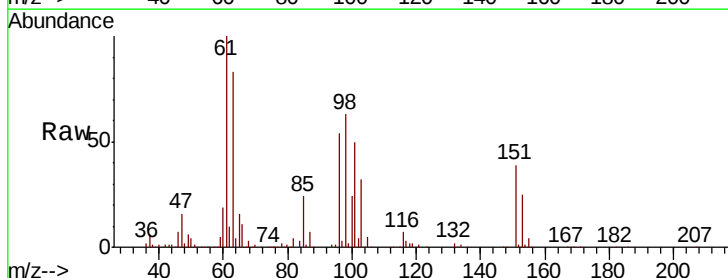
Tgt Ion: 96 Resp: 92682

Ion Ratio Lower Upper

96 100

61 186.8 130.4 242.2

63 154.3 103.3 191.9



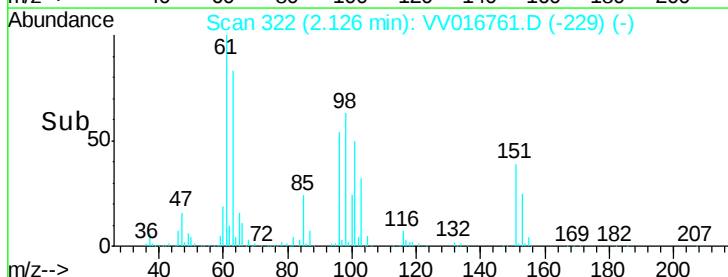
Abundance Ion 96.00 (95.70 to 96.70): VV016761.D (-229) (-)

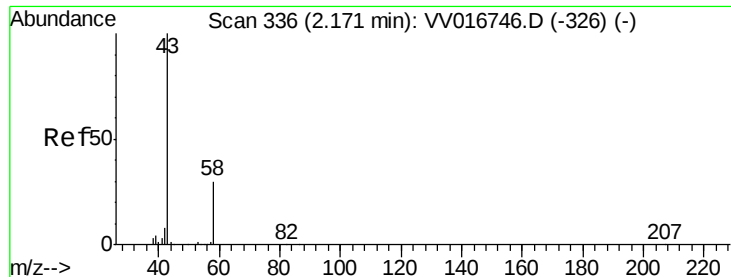
Ion 61.00 (60.70 to 61.70): VV016761.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV016761.D (-229) (-)

2.13

Time-->





#13

Acetone

Concen: 114.438 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

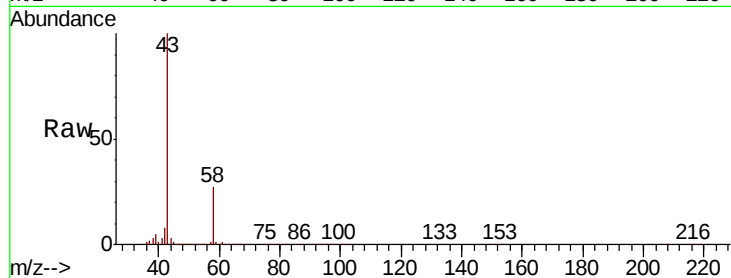
VSTD05079

Tot Ion: 43 Resp: 153486

Ion Ratio Lower Upper

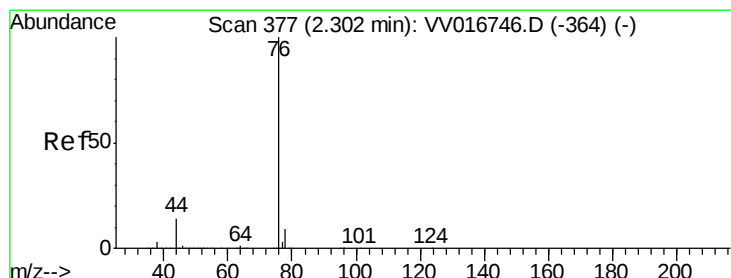
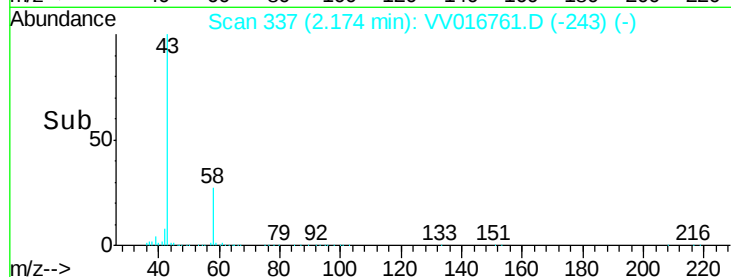
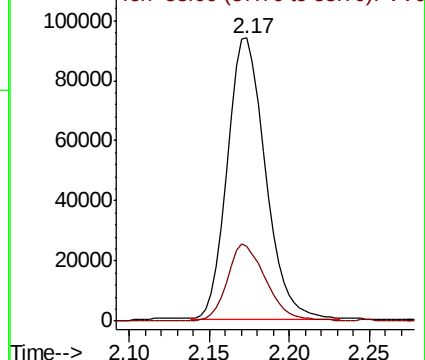
43 100

58 27.8 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 47.927 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV016761.D

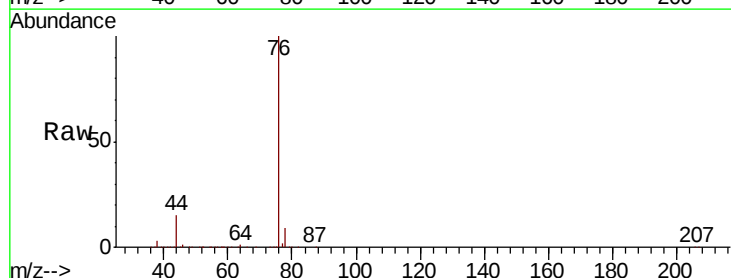
Acq: 10 Jun 2020 11:48

Tgt Ion: 76 Resp: 335695

Ion Ratio Lower Upper

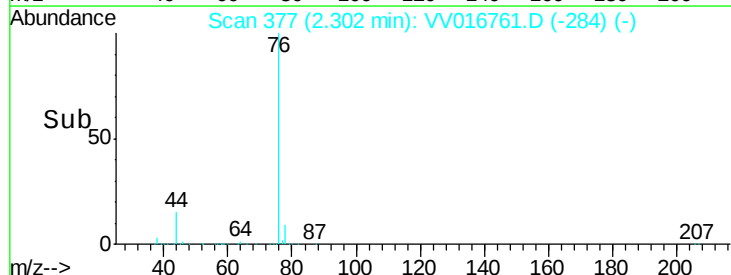
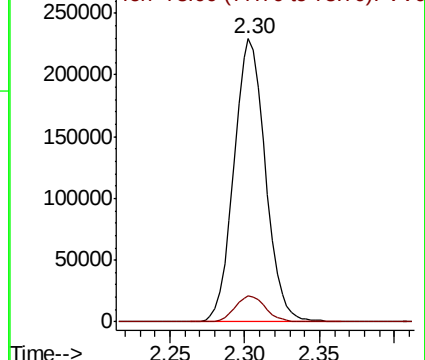
76 100

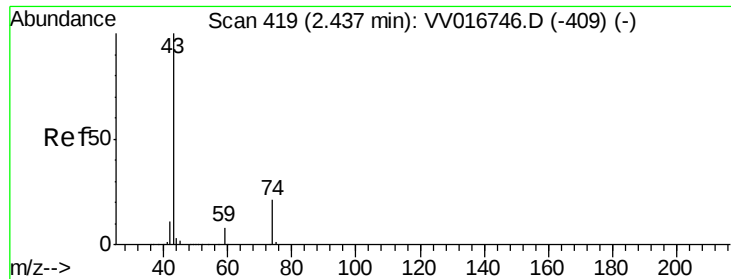
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

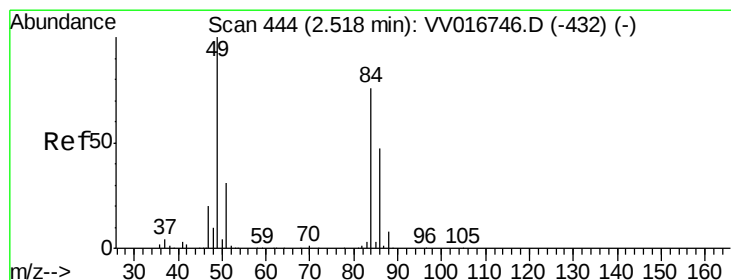
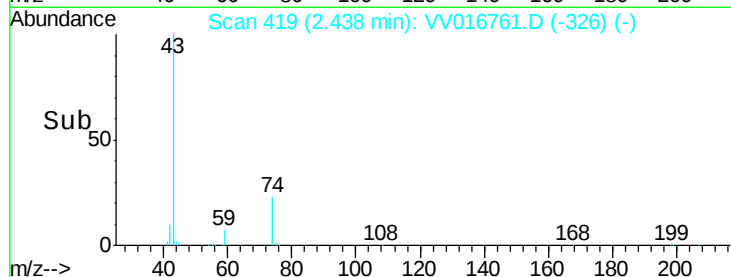
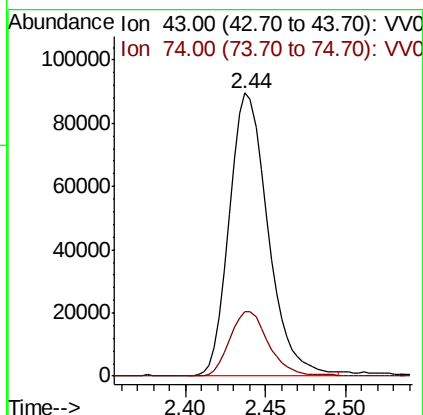
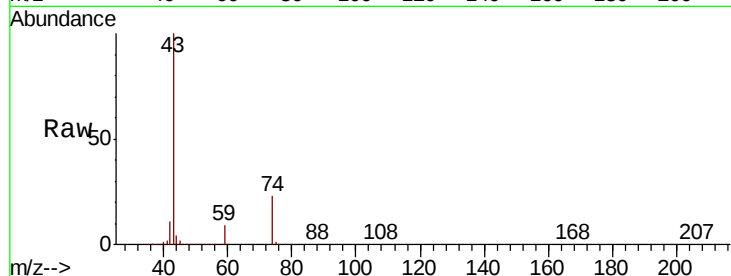




#15
Methvl Acetate
Concen: 49.160 ug/L
RT: 2.44 min Scan# 419
Delta R.T. 0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

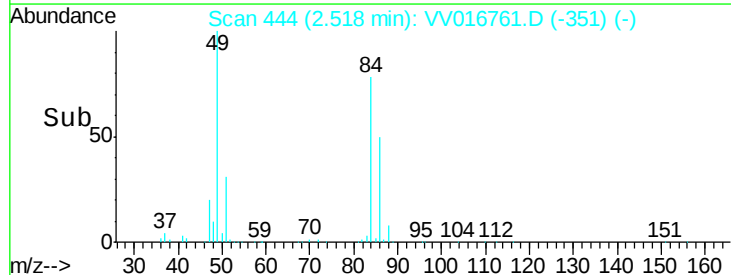
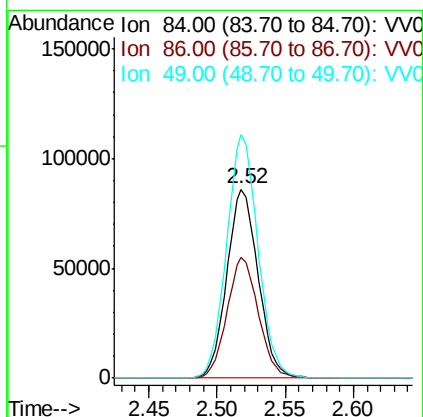
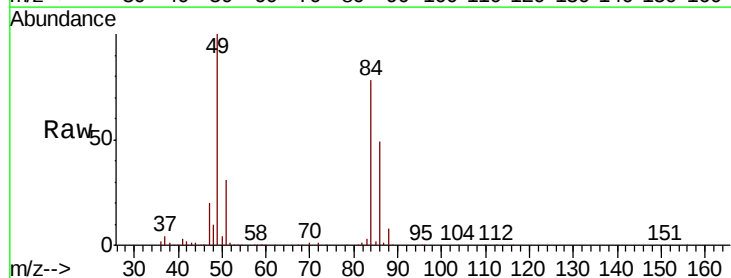
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

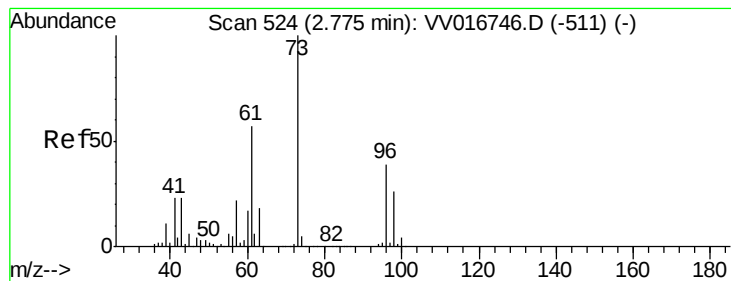
Tot Ion: 43 Resp: 146957
Ion Ratio Lower Upper
43 100
74 23.1 17.9 26.9



#16
Methylene chloride
Concen: 48.389 ug/L
RT: 2.52 min Scan# 444
Delta R.T. 0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

Tgt Ion: 84 Resp: 137365
Ion Ratio Lower Upper
84 100
86 63.7 44.0 81.8
49 128.7 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 49.063 ug/L

RT: 2.77 min Scan# 523

Delta R.T. -0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

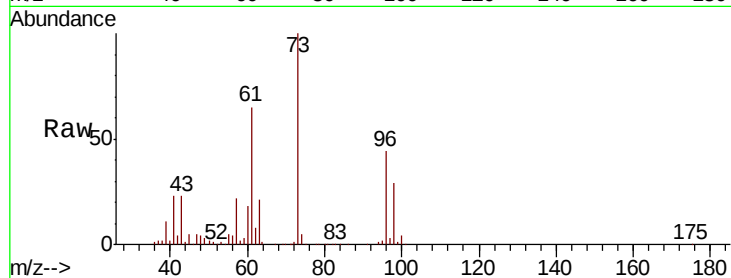
Tot Ion: 96 Resp: 129412

Ion Ratio Lower Upper

96 100

61 146.5 102.9 191.1

98 64.8 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

150000

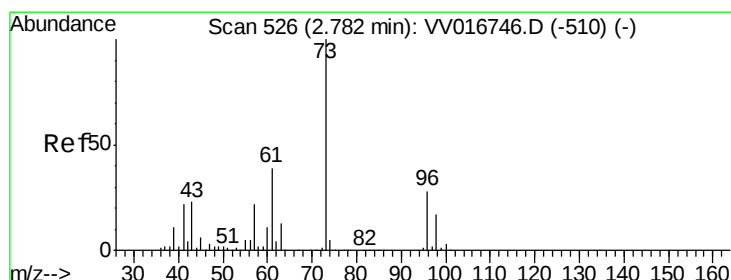
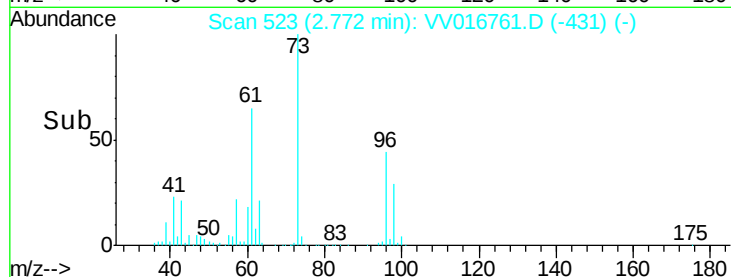
100000

50000

0

2.70 2.75 2.80 2.85

Time-->



#18

Methyl tert-butyl Ether

Concen: 50.193 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

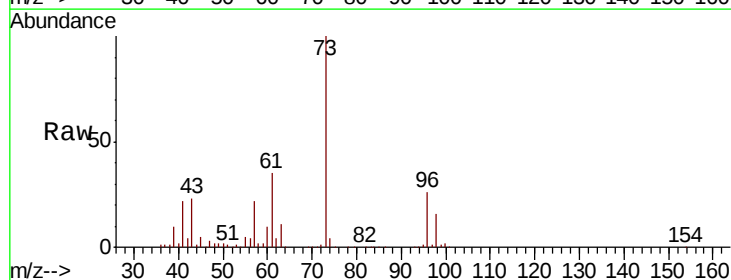
Tgt Ion: 73 Resp: 438680

Ion Ratio Lower Upper

73 100

43 22.5 17.8 26.6

57 21.9 17.7 26.5



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

300000

250000

200000

150000

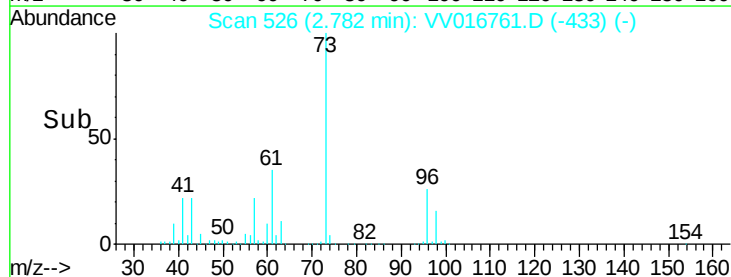
100000

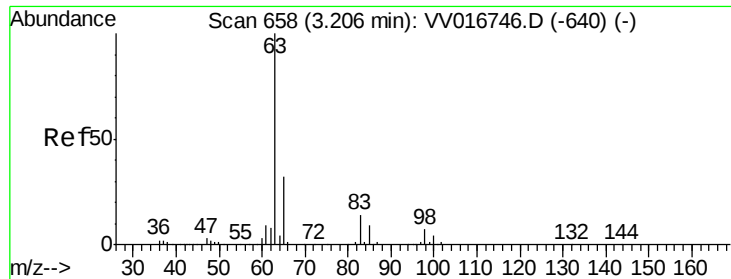
50000

0

2.70 2.75 2.80 2.85

Time-->

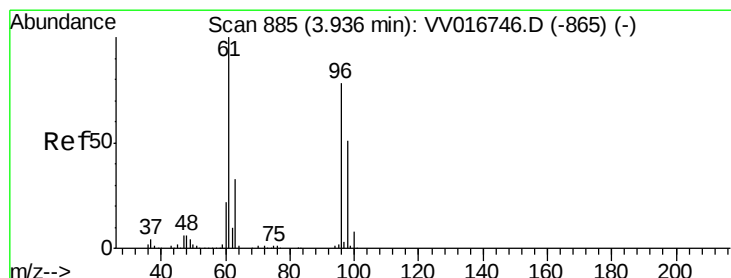
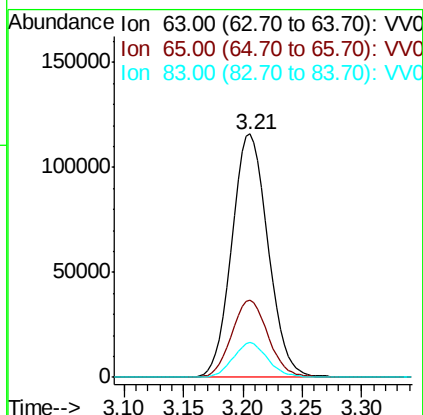
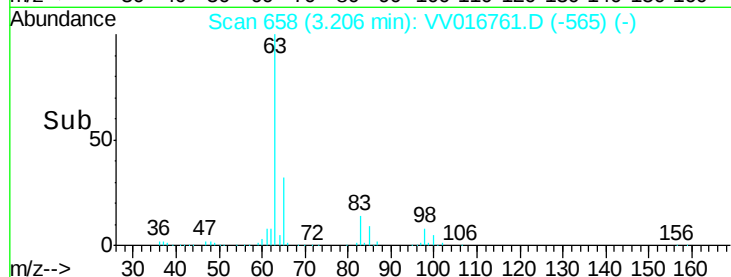
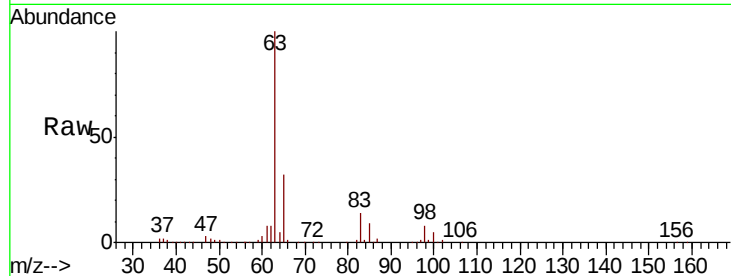




#19
 1,1-Dichloroethane
 Concen: 49.335 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VV016761.D
 Acq: 10 Jun 2020 11:48

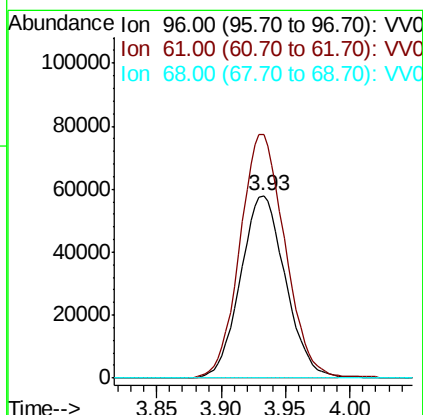
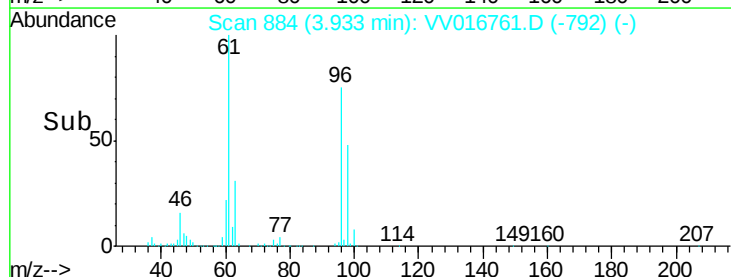
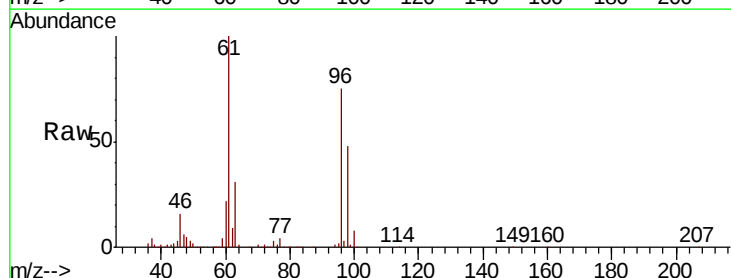
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

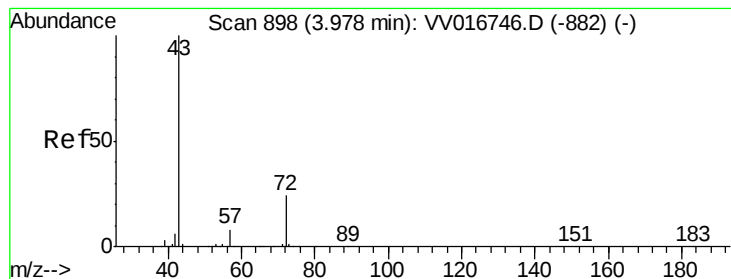
Tot Ion:	63	Resp:	244947
Ion	Ratio	Lower	Upper
63	100		
65	32.0	23.2	43.0
83	14.2	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.510 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV016761.D
 Acq: 10 Jun 2020 11:48

Tgt Ion:	96	Resp:	139494
Ion	Ratio	Lower	Upper
96	100		
61	133.4	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 109.365 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

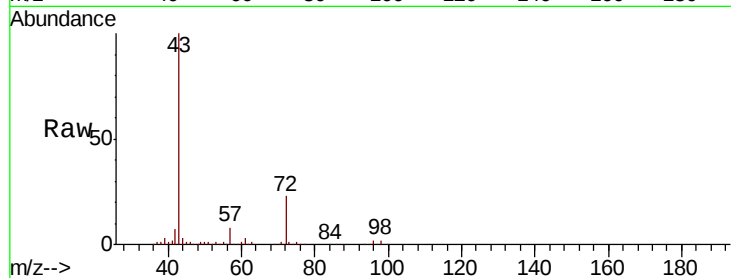
VSTD05079

Tot Ion: 43 Resp: 226194

Ion Ratio Lower Upper

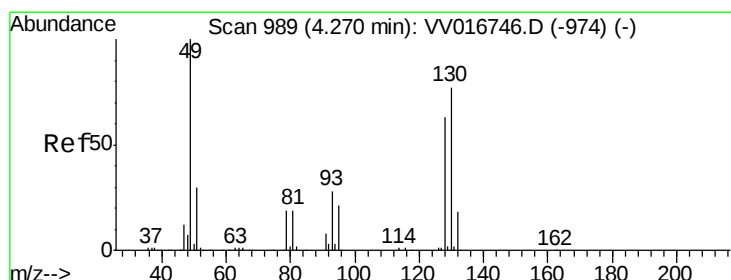
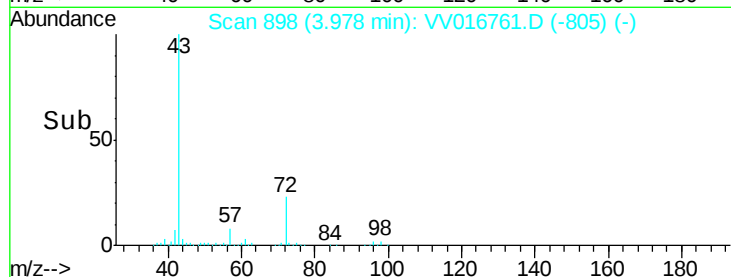
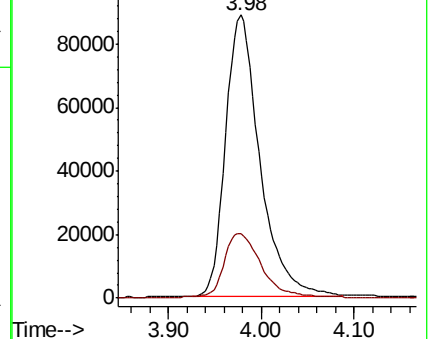
43 100

72 25.7 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016761.D (-805) (-)

Ion 72.00 (71.70 to 72.70): VV016761.D (-805) (-)



#23

Bromochloromethane

Concen: 48.630 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Tgt Ion:128 Resp: 73664

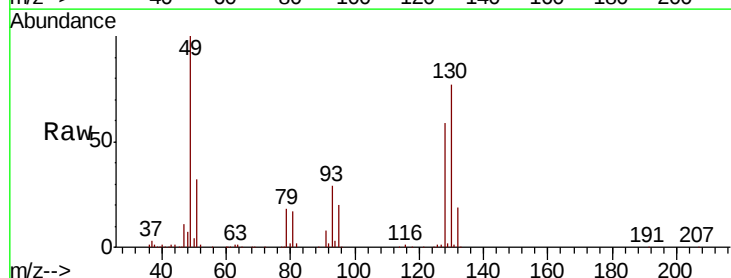
Ion Ratio Lower Upper

128 100

49 169.9 111.9 207.9

130 130.8 91.5 169.9

51 53.5 42.1 63.1

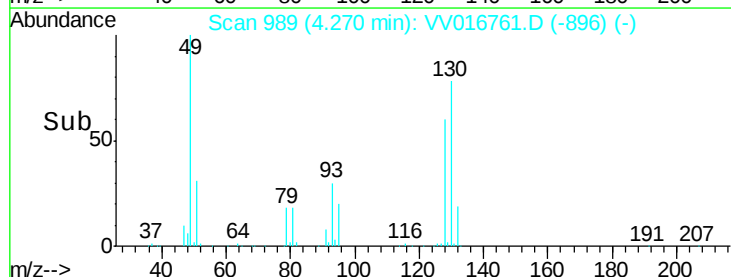
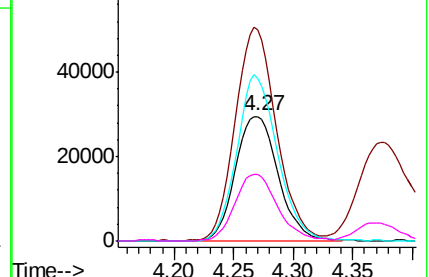


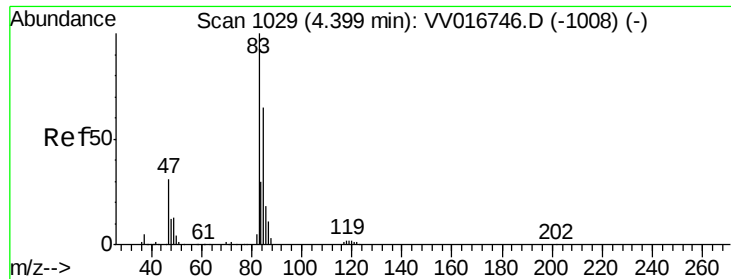
Abundance Ion 128.00 (127.70 to 128.70): VV016761.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV016761.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV016761.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV016761.D (-896) (-)

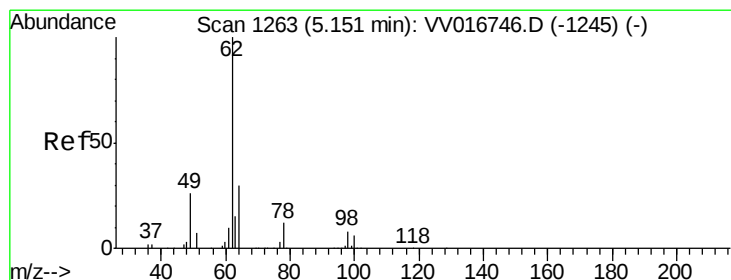
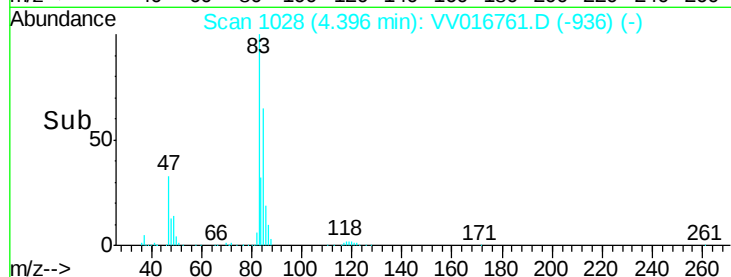
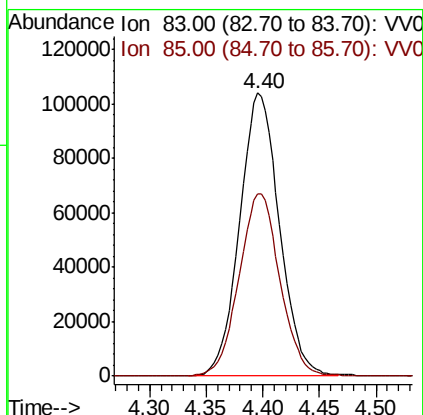
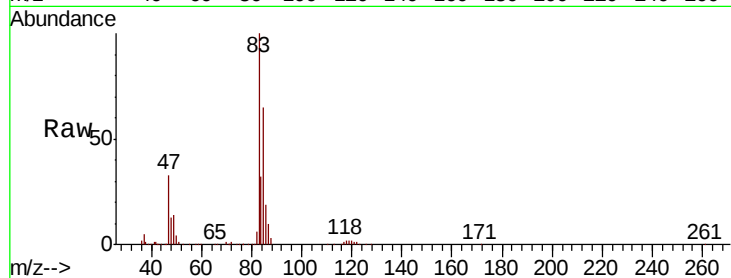




#25
Chloroform
Concen: 49.852 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

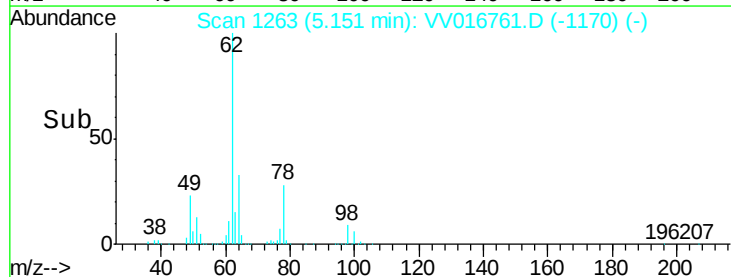
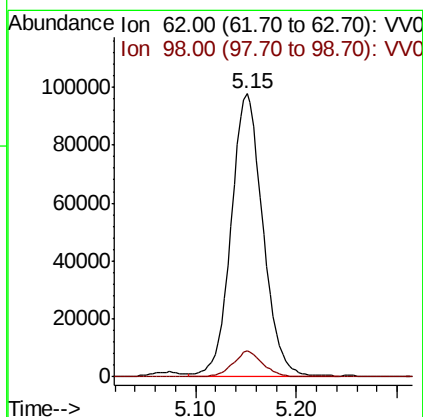
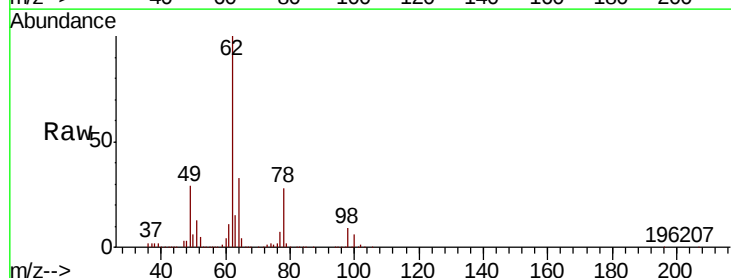
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

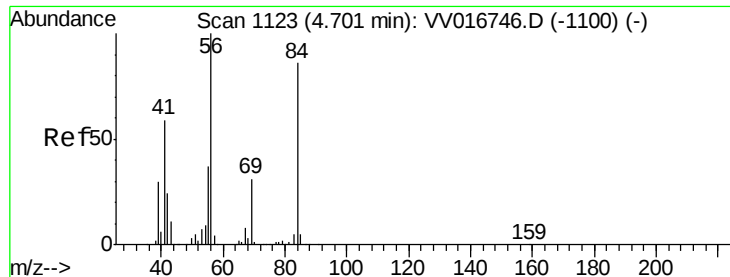
Tot Ion: 83 Resp: 254372
Ion Ratio Lower Upper
83 100
85 64.6 44.1 81.9



#27
1,2-Dichloroethane
Concen: 49.892 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

Tgt Ion: 62 Resp: 213407
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2

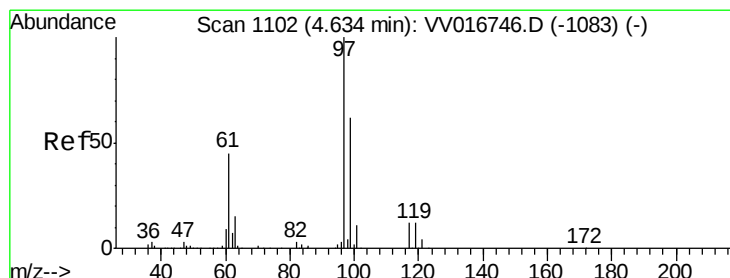
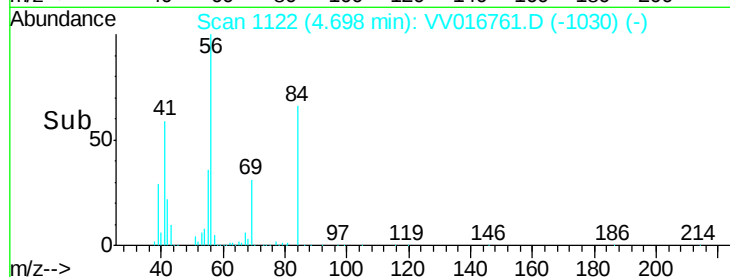
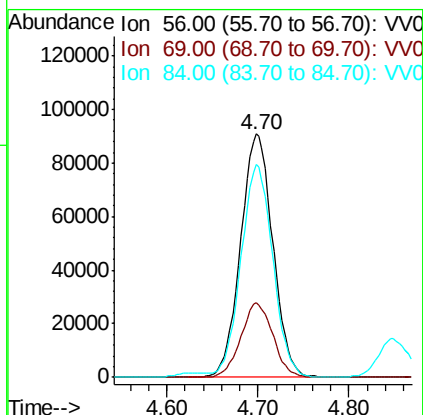
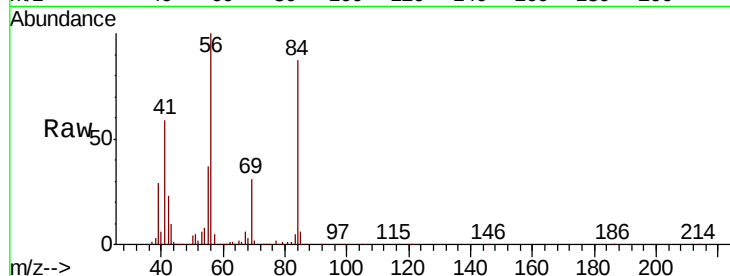




#29
Cvclohexane
Concen: 48.988 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

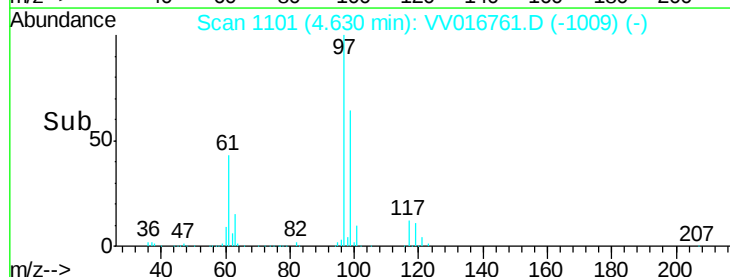
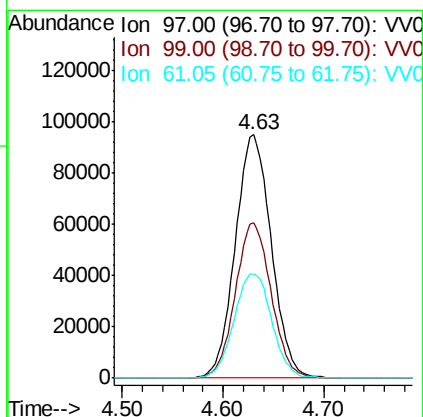
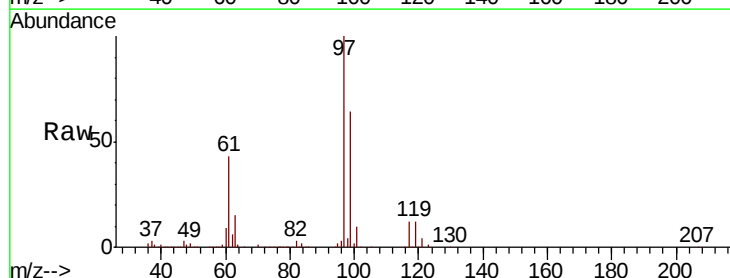
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

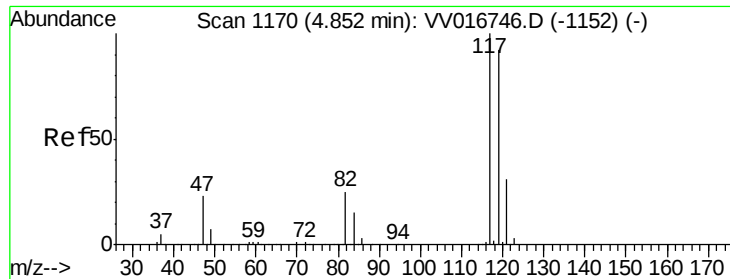
Tot Ion: 56 Resp: 223715
Ion Ratio Lower Upper
56 100
69 30.3 25.0 37.4
84 86.0 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 50.241 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

Tgt Ion: 97 Resp: 235462
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 44.7 36.7 55.1

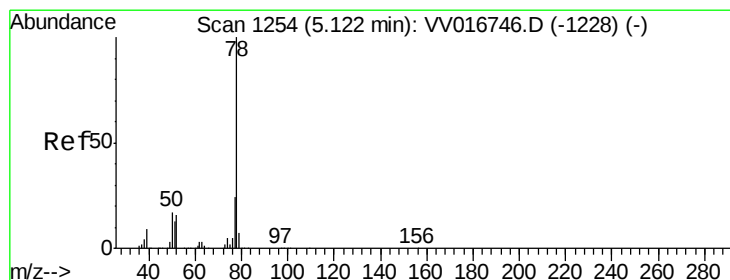
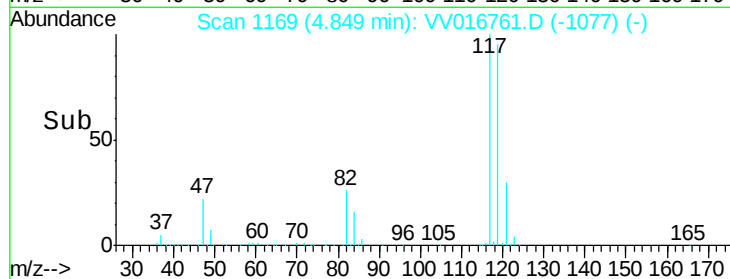
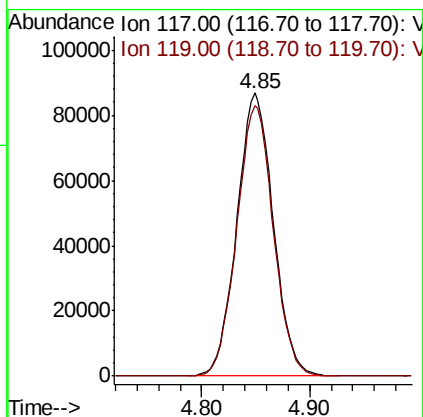
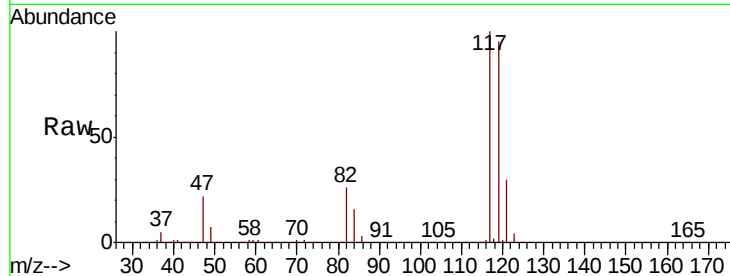




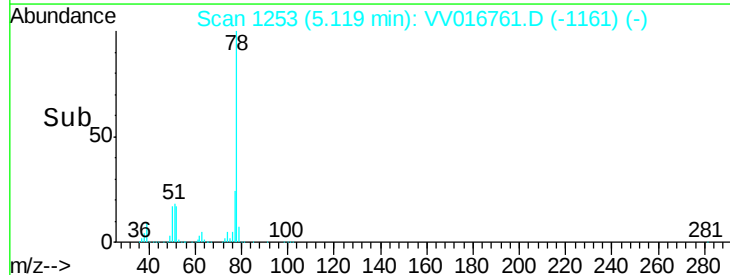
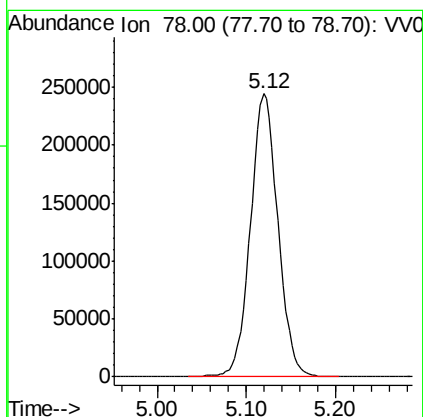
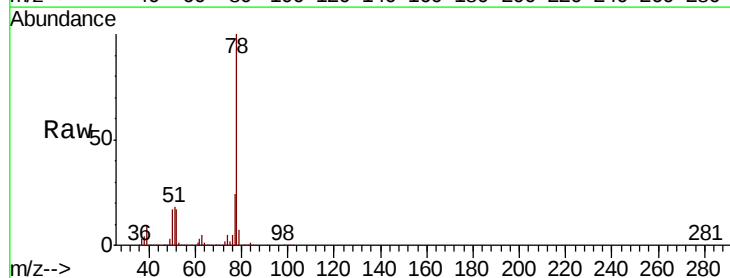
#31
Carbon tetrachloride
Concen: 50.284 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

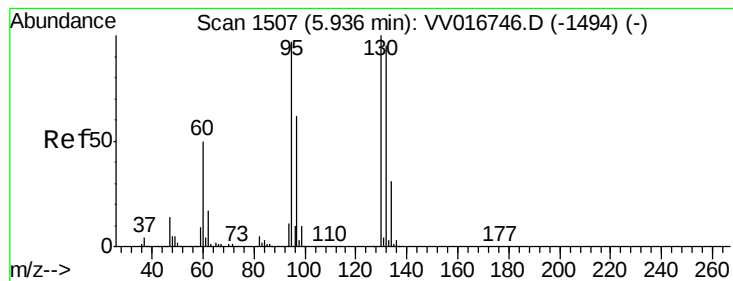
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tot Ion:117 Resp: 203873
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.2



#33
Benzene
Concen: 48.390 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48
Tgt Ion: 78 Resp: 526152





#34

Trichloroethene

Concen: 49.502 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

Tot Ion: 95 Resp: 144357

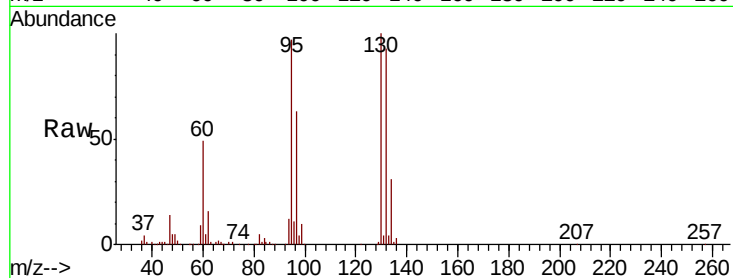
Ion Ratio Lower Upper

95 100

97 64.5 44.3 82.3

132 96.4 67.9 126.1

130 103.1 72.2 134.2

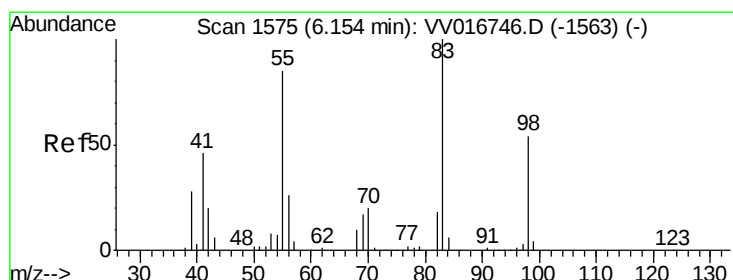
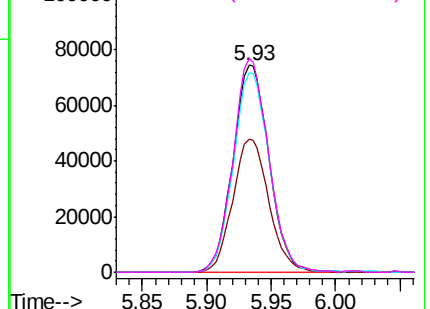
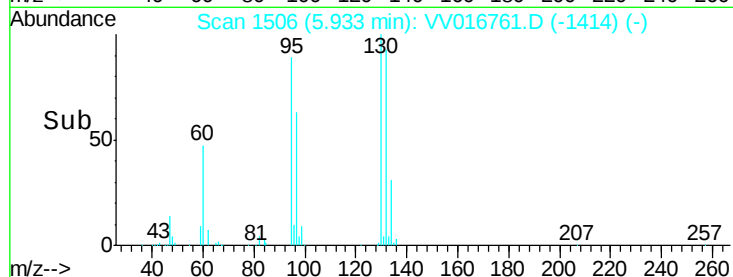


Abundance Ion 95.00 (94.70 to 95.70): VV016761.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV016761.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV016761.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV016761.D (-1494) (-)



#35

Methylcyclohexane

Concen: 50.451 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

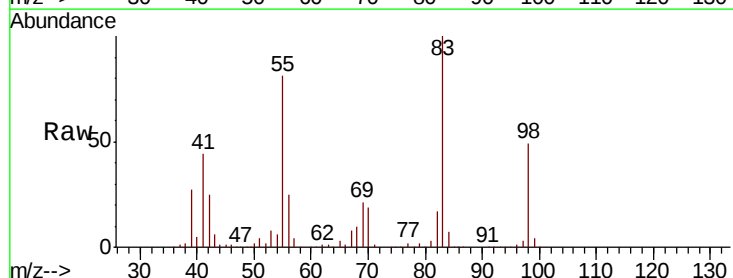
Tgt Ion: 83 Resp: 230806

Ion Ratio Lower Upper

83 100

55 79.4 64.2 96.2

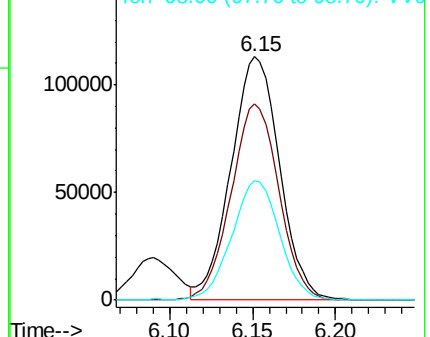
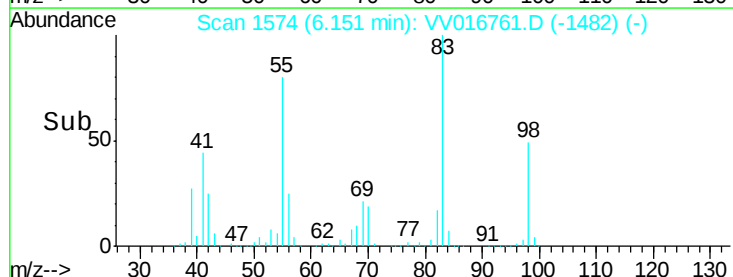
98 48.5 40.3 60.5

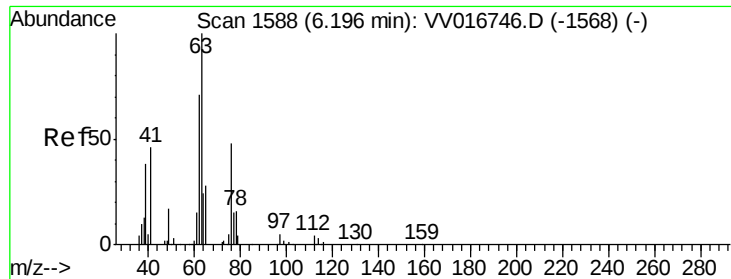


Abundance Ion 83.00 (82.70 to 83.70): VV016761.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV016761.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV016761.D (-1482) (-)





#37

1,2-Dichloropropane

Concen: 49.569 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

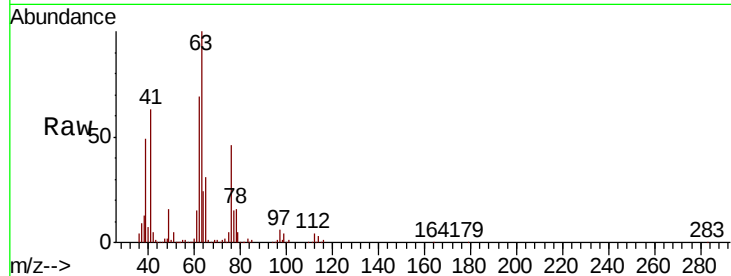
VSTD05079

Tot Ion: 63 Resp: 140165

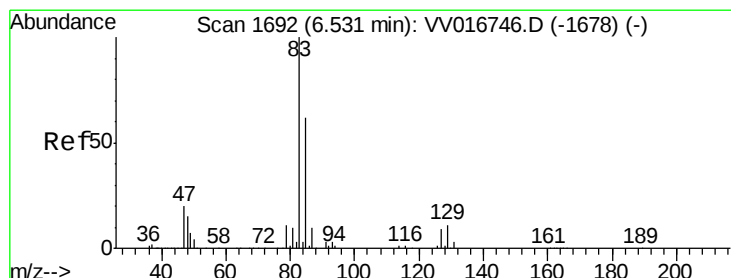
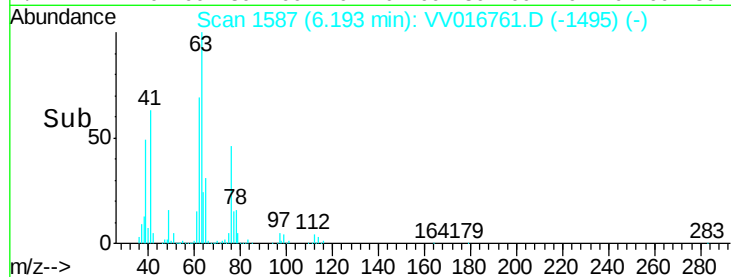
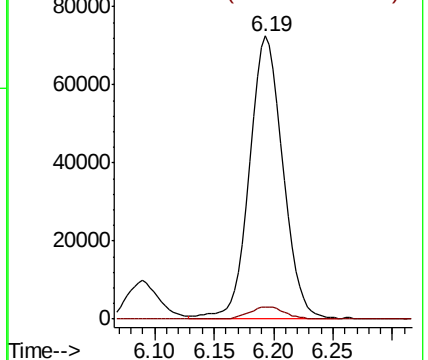
Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV016761.D (-1495) (-)



#38

Bromodichloromethane

Concen: 50.401 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

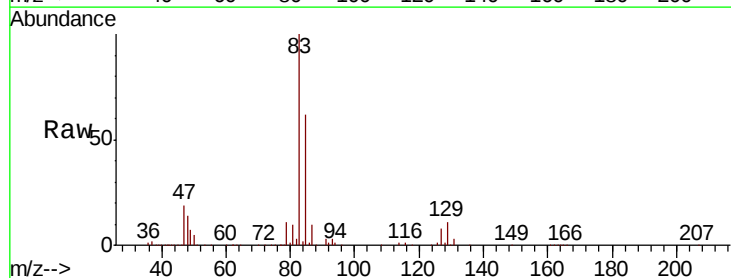
Tgt Ion: 83 Resp: 189718

Ion Ratio Lower Upper

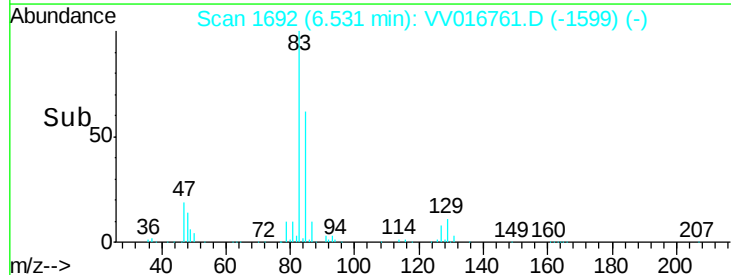
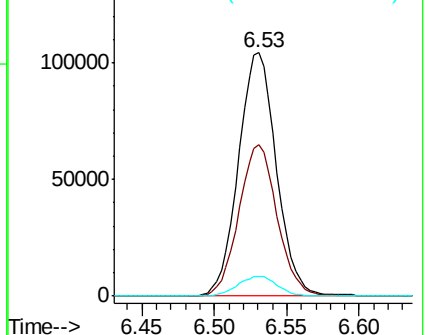
83 100

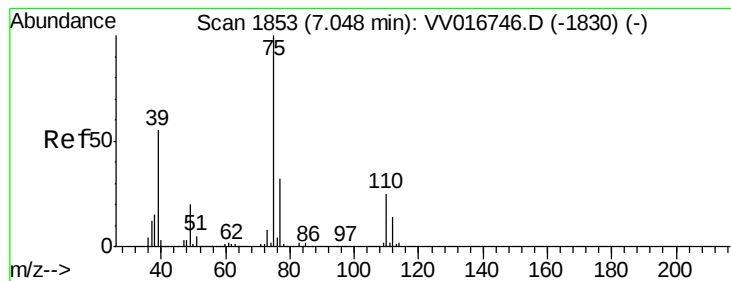
85 62.1 44.4 82.5

127 8.3 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV016761.D (-1599) (-)



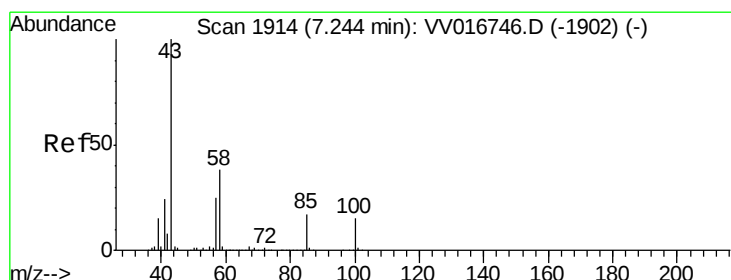
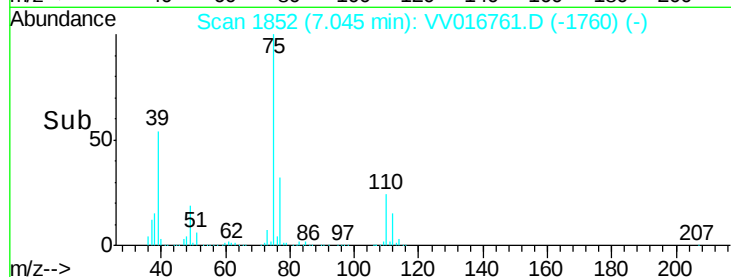
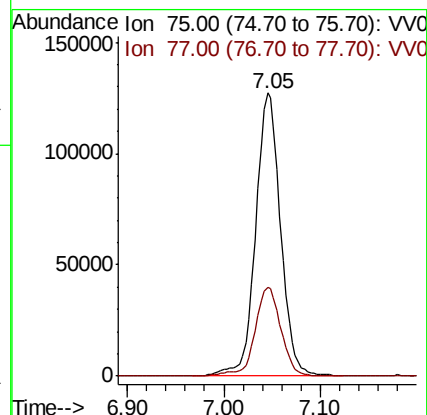
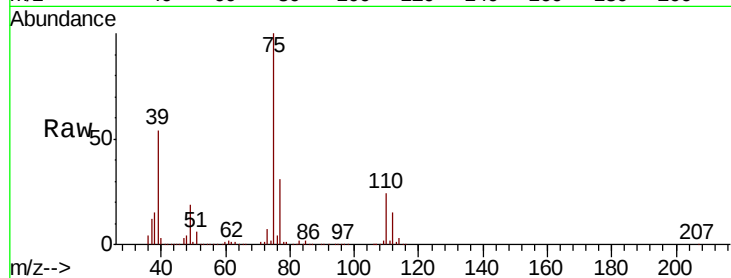


#39

cis-1,3-Dichloropropene
Concen: 51.926 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

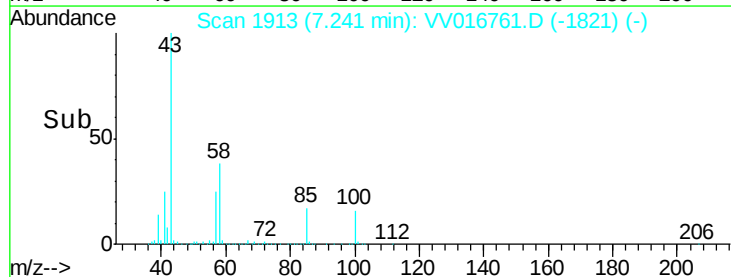
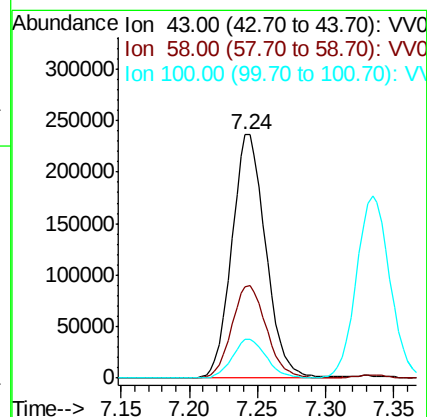
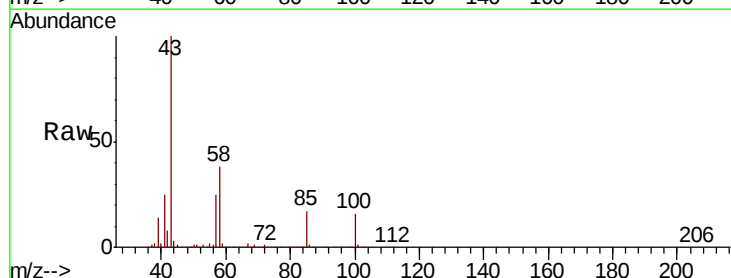
Tot Ion: 75 Resp: 228076
Ion Ratio Lower Upper
75 100
77 31.5 22.7 42.1

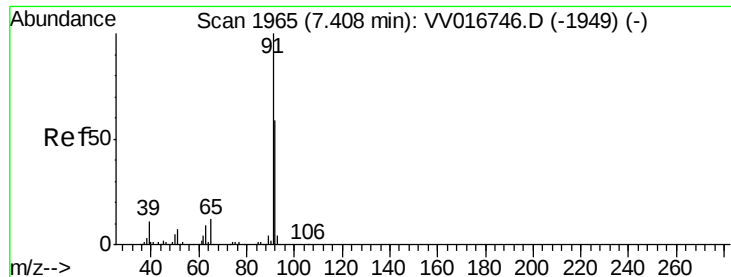


#40

4-Methyl-2-pentanone
Concen: 101.715 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

Tgt Ion: 43 Resp: 407559
Ion Ratio Lower Upper
43 100
58 38.8 30.2 45.4
100 15.8 12.3 18.5





#42

Toluene

Concen: 49.643 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

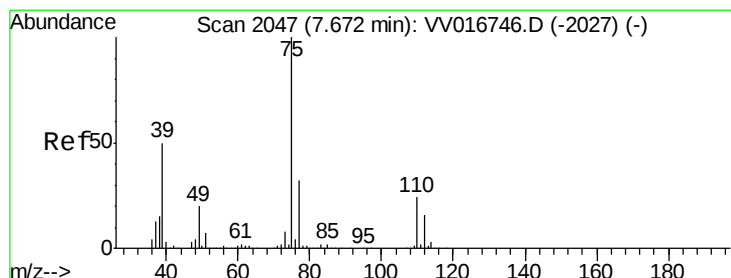
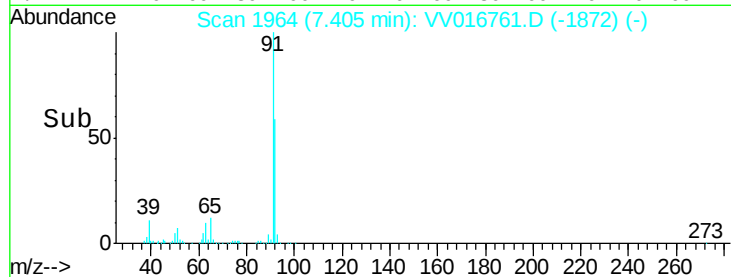
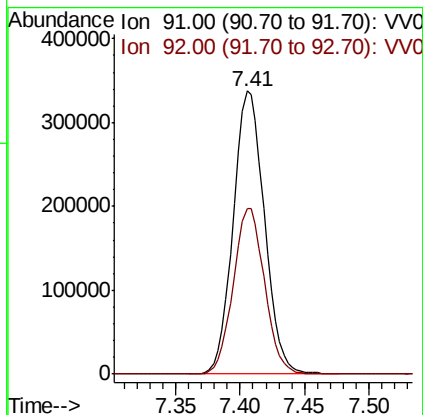
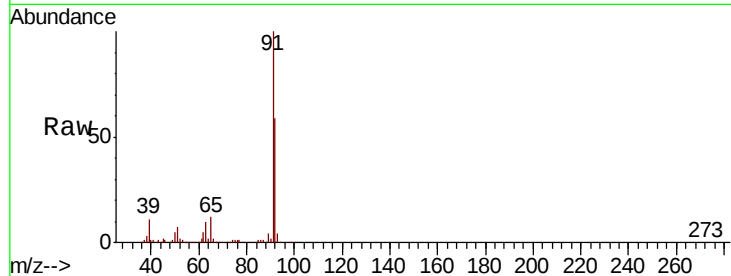
VSTD05079

Tot Ion: 91 Resp: 569033

Ion Ratio Lower Upper

91 100

92 58.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 51.773 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016761.D

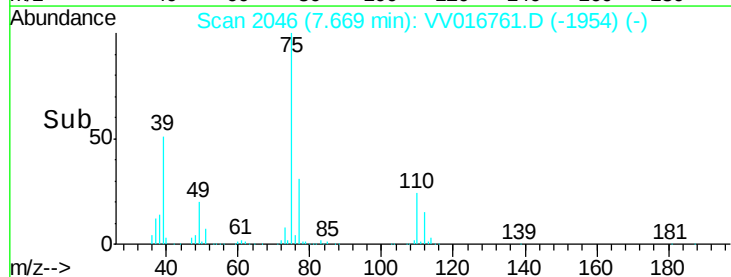
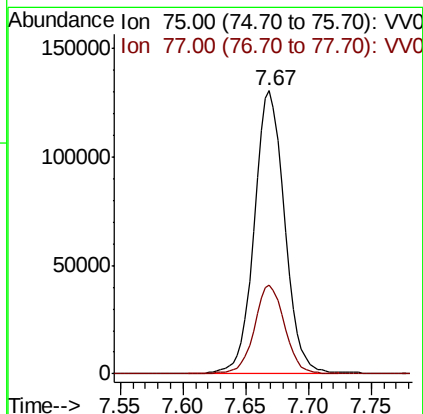
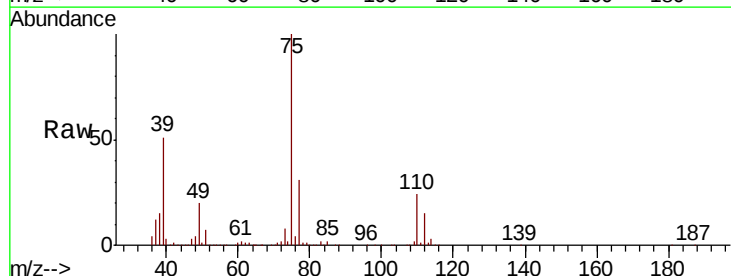
Acq: 10 Jun 2020 11:48

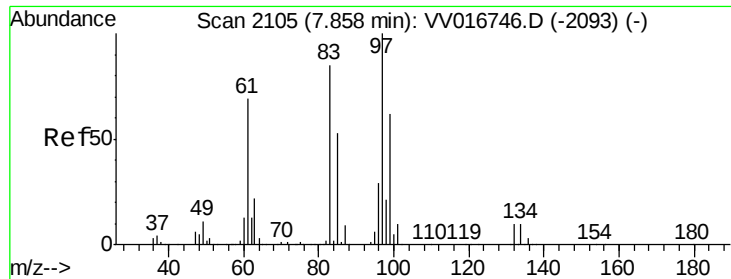
Tgt Ion: 75 Resp: 221081

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3

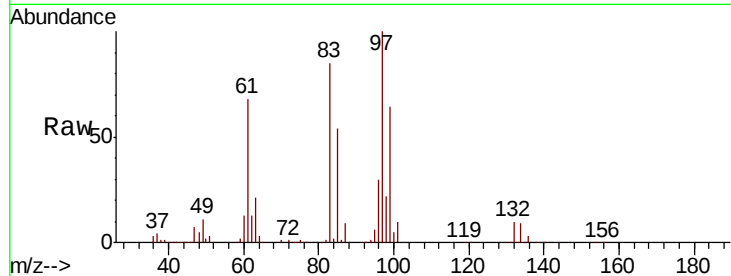




#45
1,1,2-Trichloroethane
Concen: 49.210 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tot Ion:	97	Resp:	134249
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.3	82.3
83	85.0	60.0	111.4
85	54.1	39.5	73.3



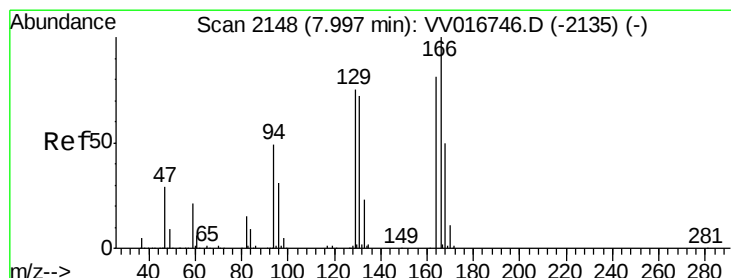
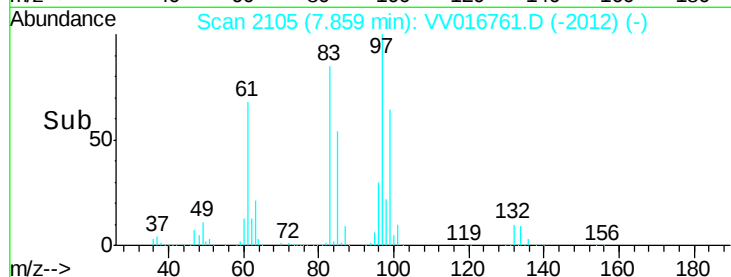
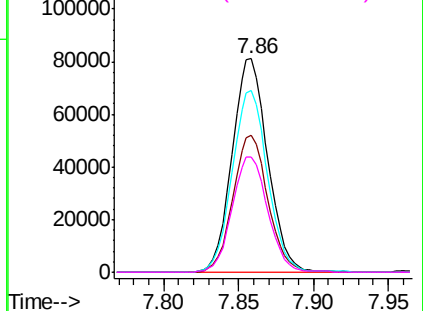
Abundance

Ion 97.00 (96.70 to 97.70): VV016761.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV016761.D (-2093) (-)

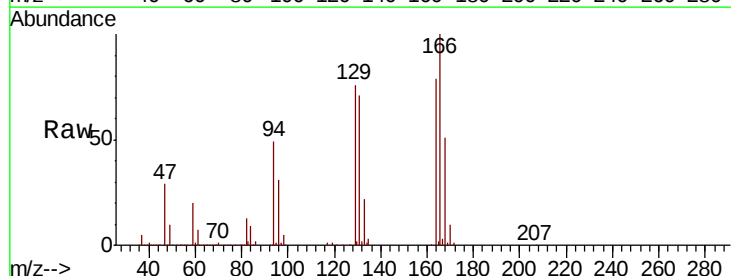
Ion 83.00 (82.70 to 83.70): VV016761.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV016761.D (-2093) (-)



#46
Tetrachloroethene
Concen: 50.750 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV016761.D
Acq: 10 Jun 2020 11:48

Tgt Ion:	164	Resp:	116396
Ion	Ratio	Lower	Upper
164	100		
129	95.6	67.0	124.4
131	90.4	64.8	120.3
166	126.4	90.4	167.8



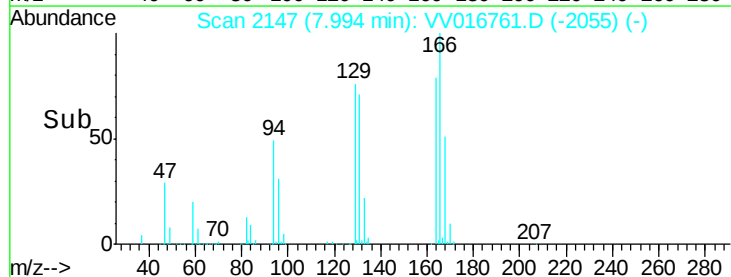
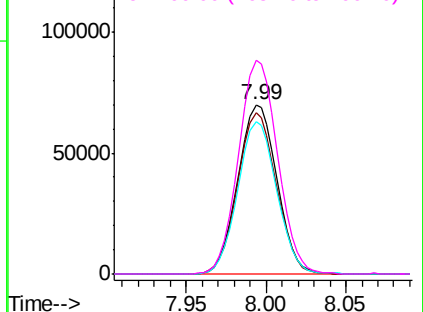
Abundance

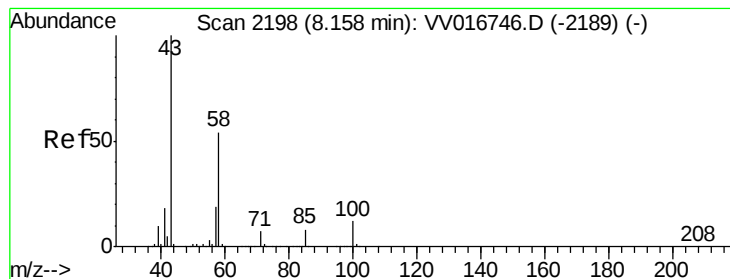
Ion 164.00 (163.70 to 164.70): VV016761.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV016761.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV016761.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV016761.D (-2135) (-)





#48

2-Hexanone

Concen: 105.715 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tot Ion: 43 Resp: 328434

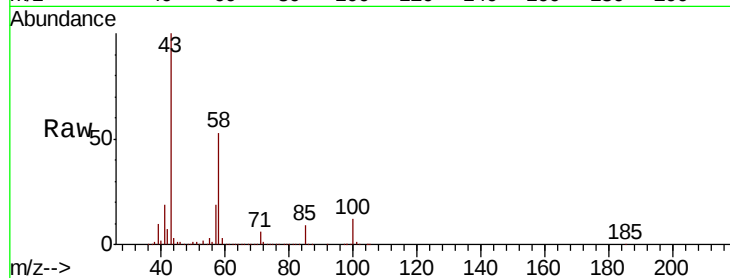
Ion Ratio Lower Upper

43 100

58 53.0 43.1 64.7

57 19.2 15.3 22.9

100 12.4 10.0 15.0

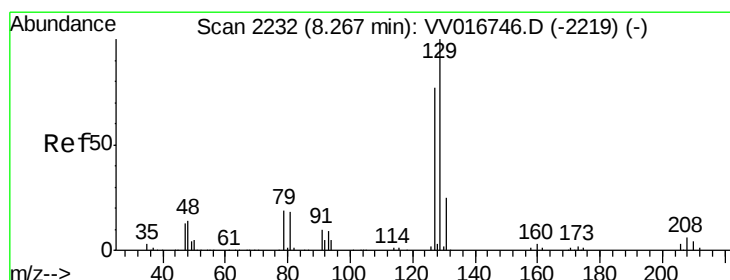
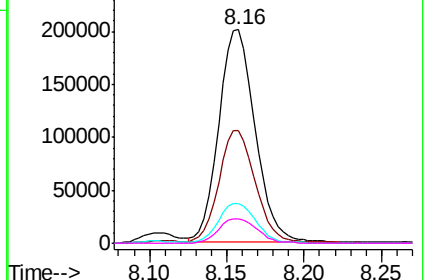
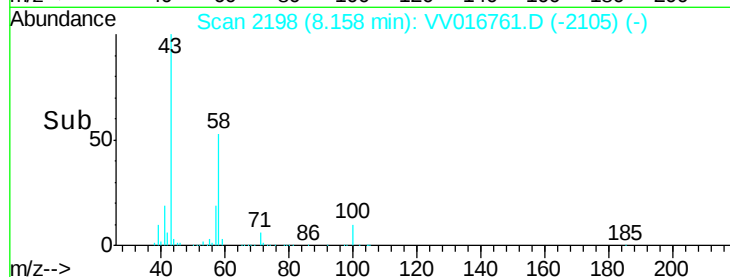


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 50.881 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VV016761.D

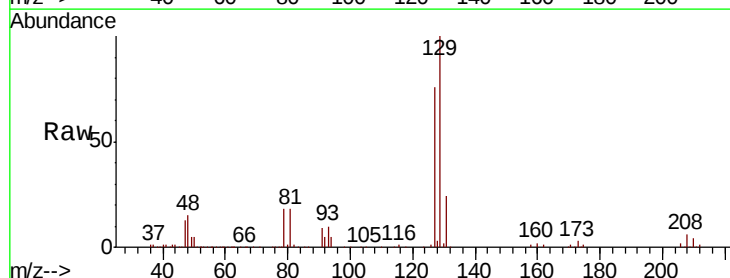
Acq: 10 Jun 2020 11:48

Tgt Ion: 129 Resp: 148416

Ion Ratio Lower Upper

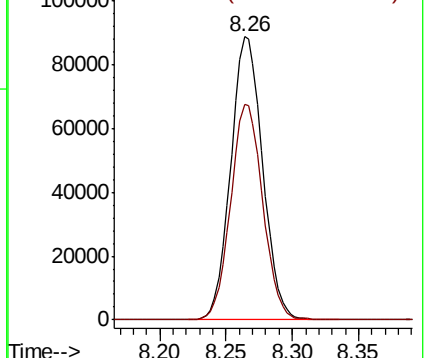
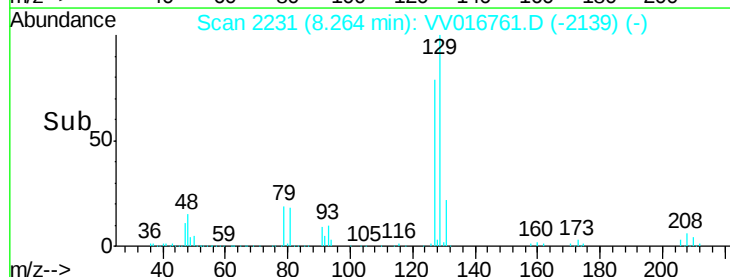
129 100

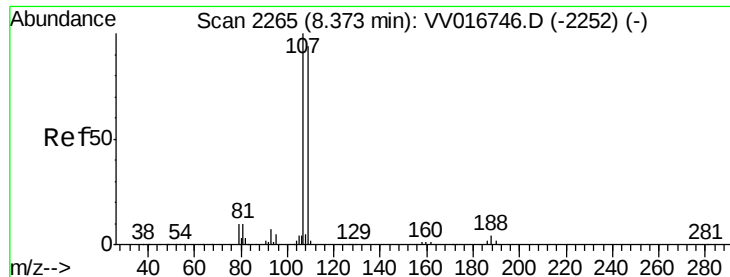
127 76.3 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

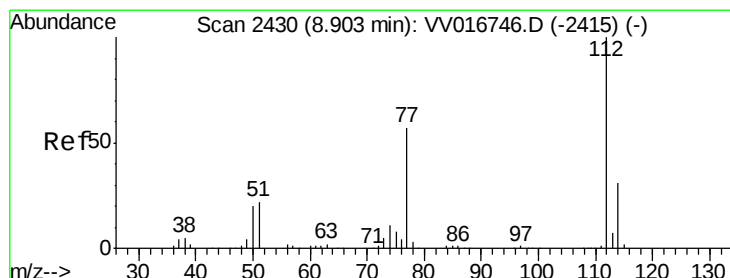
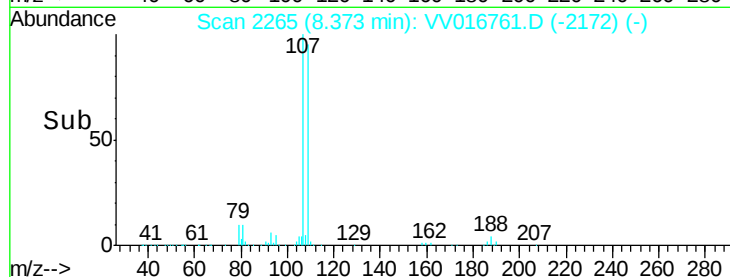
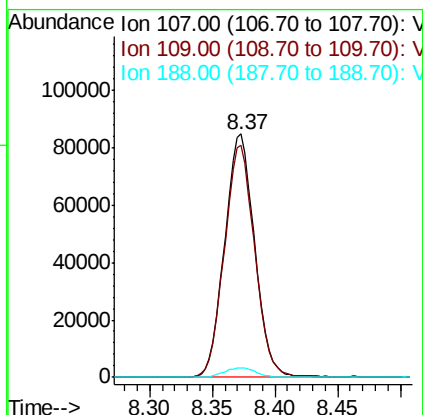
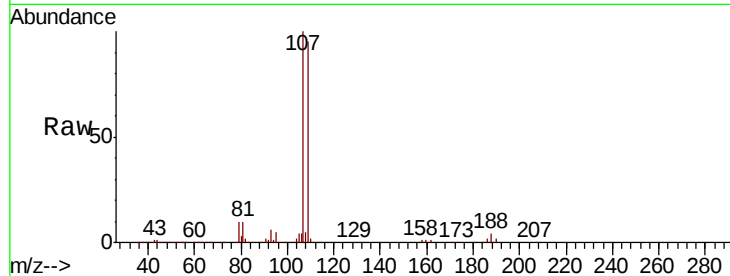




#50
 1,2-Dibromoethane
 Concen: 49.603 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016761.D
 Acq: 10 Jun 2020 11:48

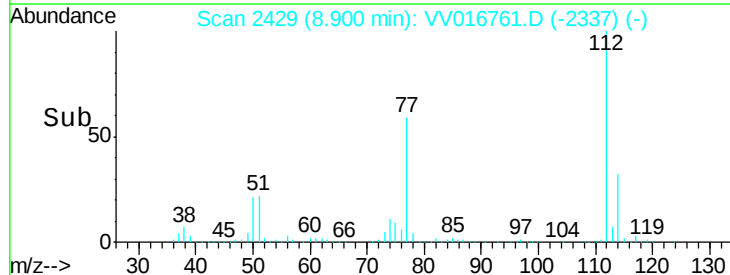
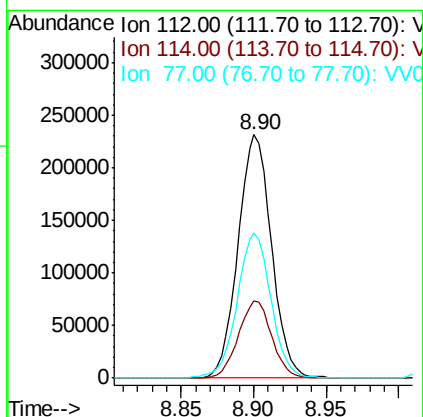
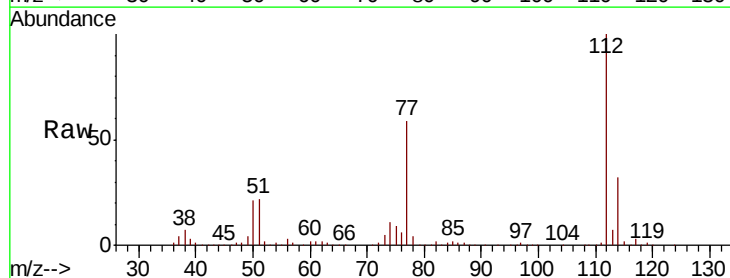
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05079

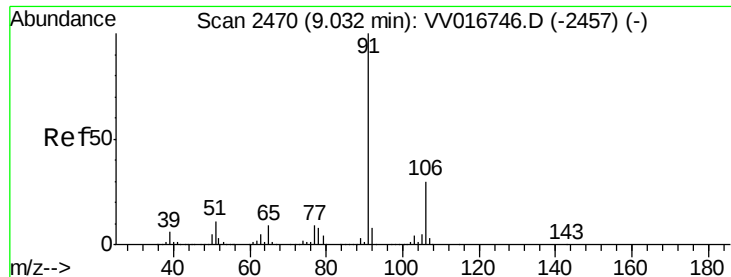
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	66.4	123.2
188	4.1	3.1	4.7



#51
 Chlorobenzene
 Concen: 49.612 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV016761.D
 Acq: 10 Jun 2020 11:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.3	41.3
77	59.5	47.9	71.9





#52

Ethylbenzene

Concen: 51.024 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

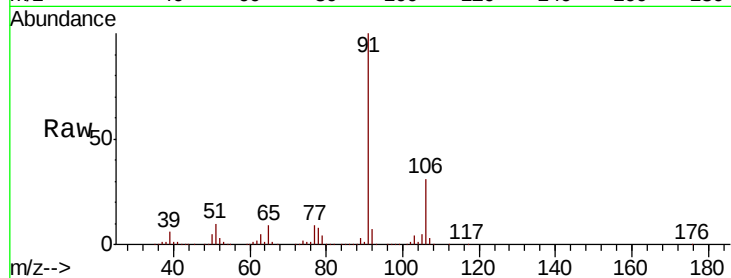
VSTD05079

Tot Ion: 91 Resp: 647806

Ion Ratio Lower Upper

91 100

106 31.1 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016746.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV016746.D (-2457) (-)

9.03

400000

300000

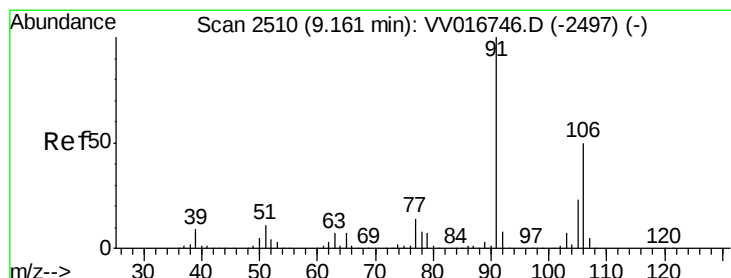
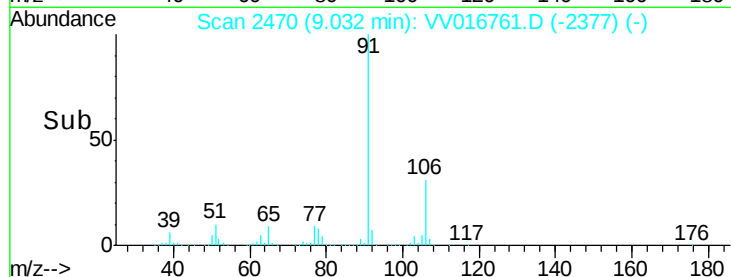
200000

100000

0

8.95 9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 51.362 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016761.D

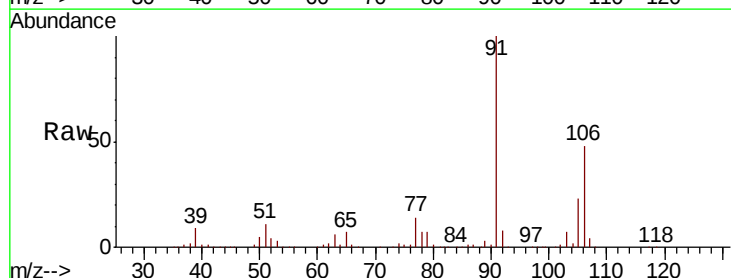
Acq: 10 Jun 2020 11:48

Tgt Ion: 106 Resp: 242798

Ion Ratio Lower Upper

106 100

91 207.2 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016746.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV016746.D (-2497) (-)

9.16

300000

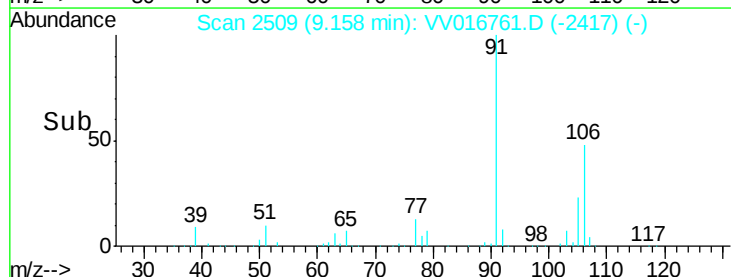
200000

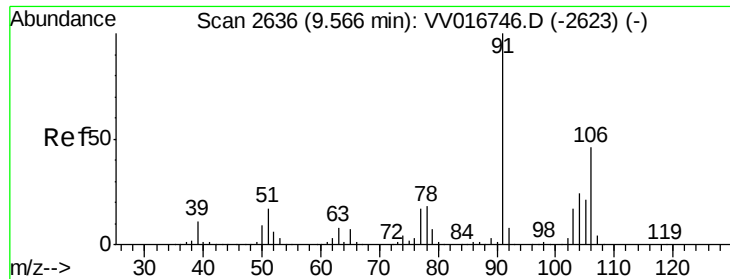
100000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 51.881 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

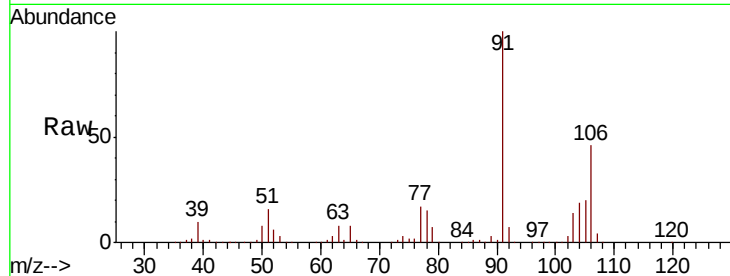
VSTD05079

Tot Ion:106 Resp: 241880

Ion Ratio Lower Upper

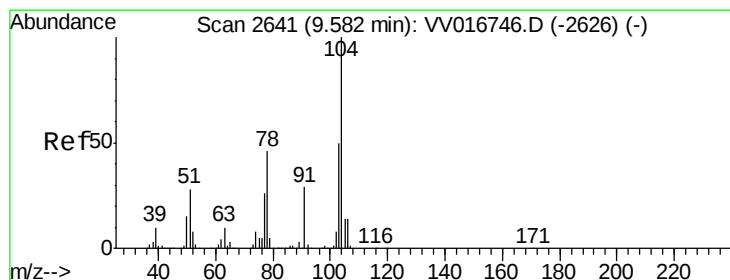
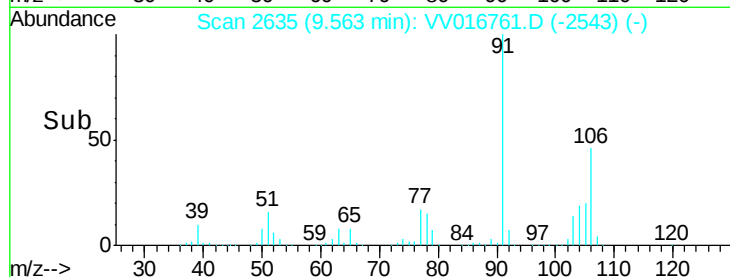
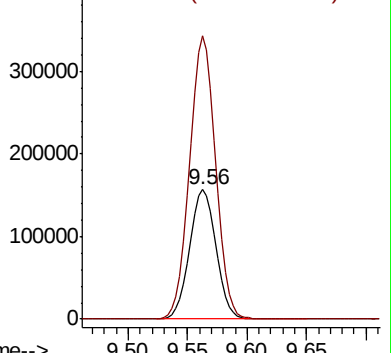
106 100

91 219.1 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.819 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016761.D

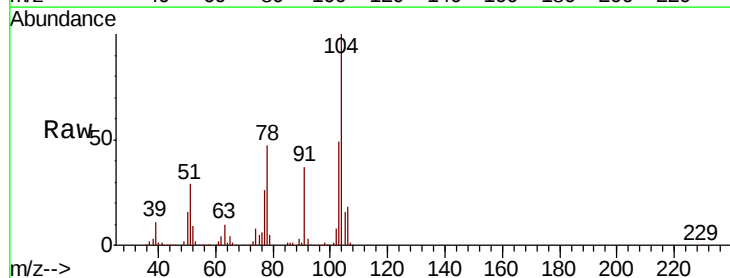
Acq: 10 Jun 2020 11:48

Tgt Ion:104 Resp: 408455

Ion Ratio Lower Upper

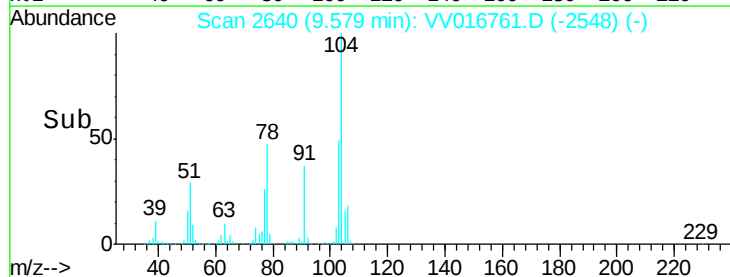
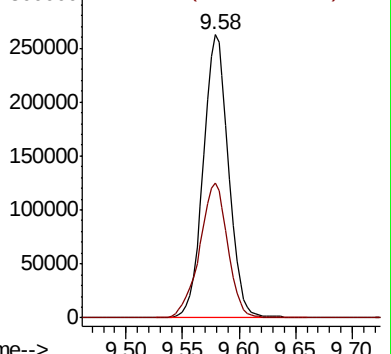
104 100

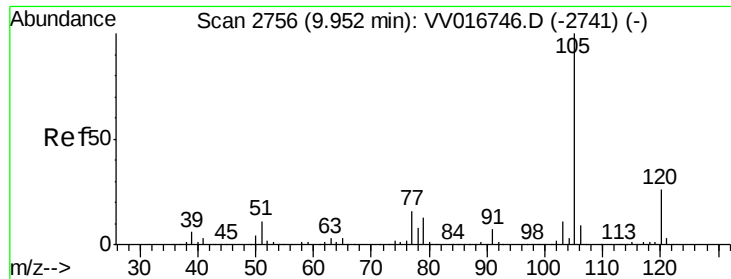
78 47.5 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.867 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampled :

VSTD05079

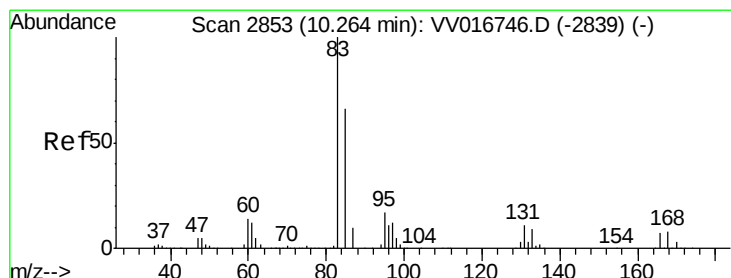
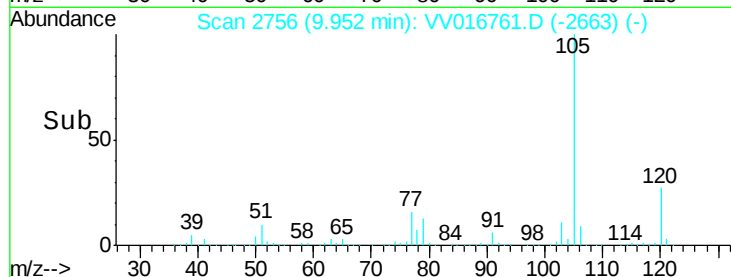
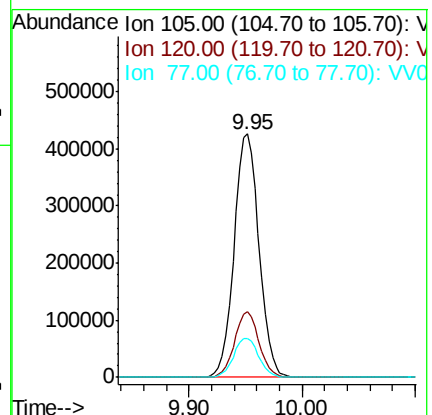
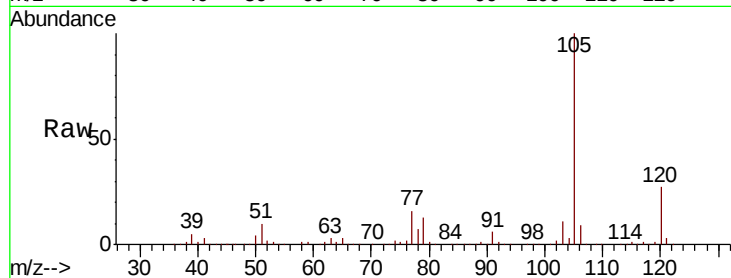
Tot Ion:105 Resp: 649748

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

77 16.3 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 48.553 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

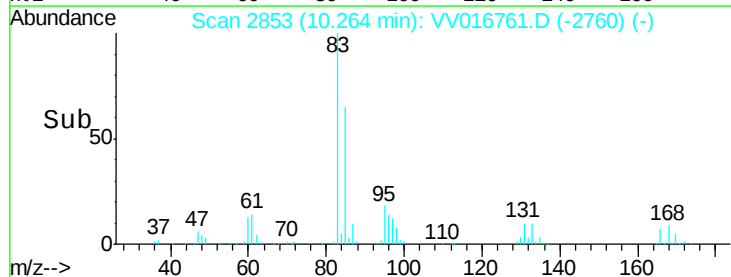
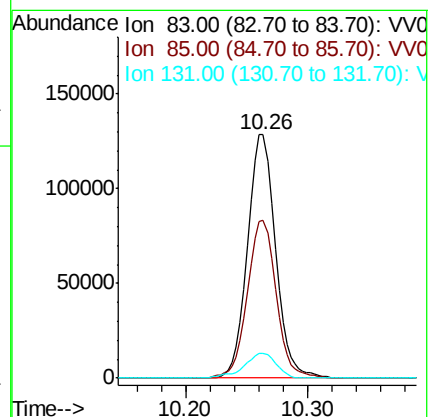
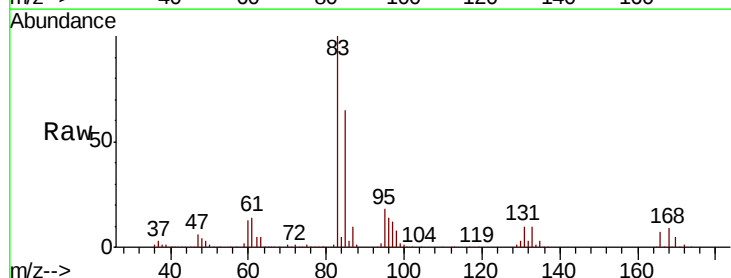
Tgt Ion: 83 Resp: 203084

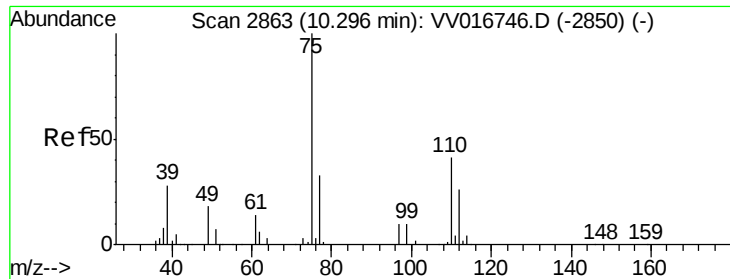
Ion Ratio Lower Upper

83 100

85 64.9 46.8 86.8

131 10.3 7.9 11.9

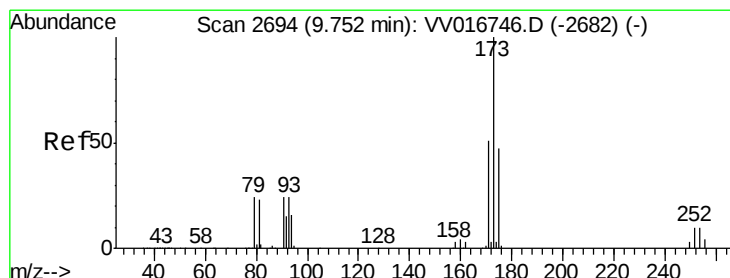
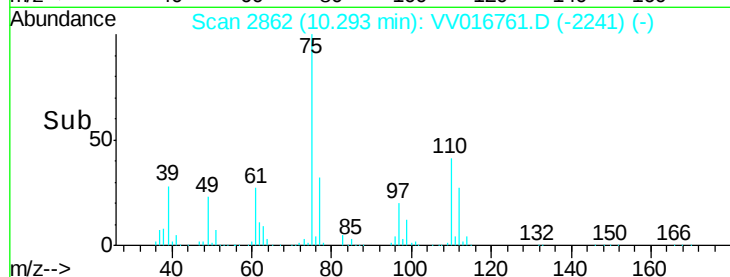
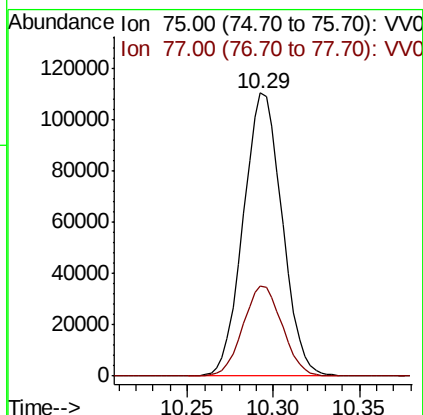
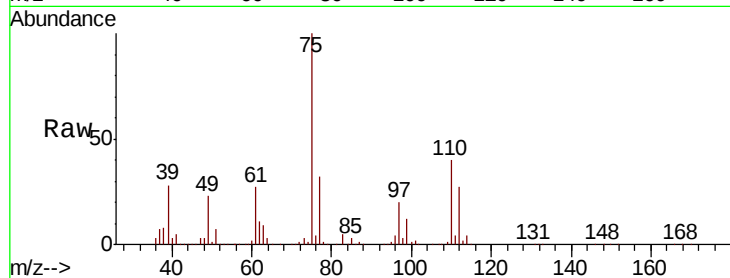




#59
 1,2,3-Trichloropropane
 Concen: 49.420 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV016761.D
 Acq: 10 Jun 2020 11:48

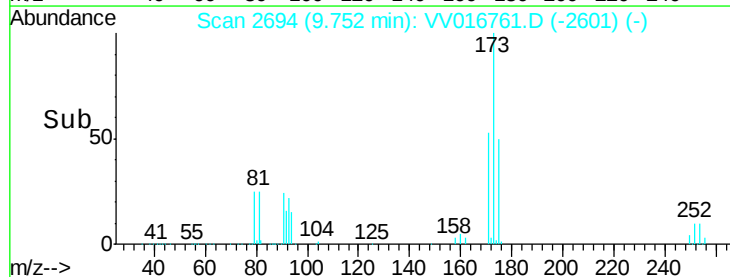
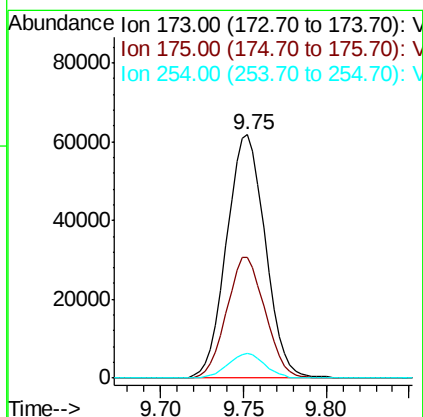
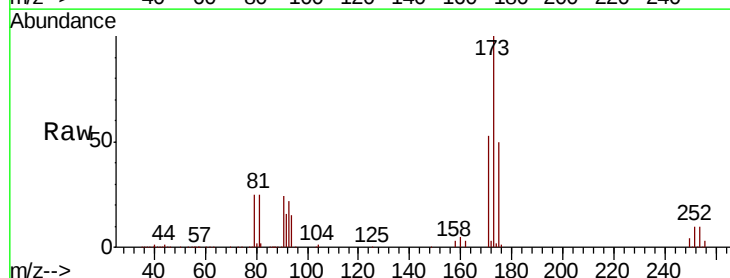
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

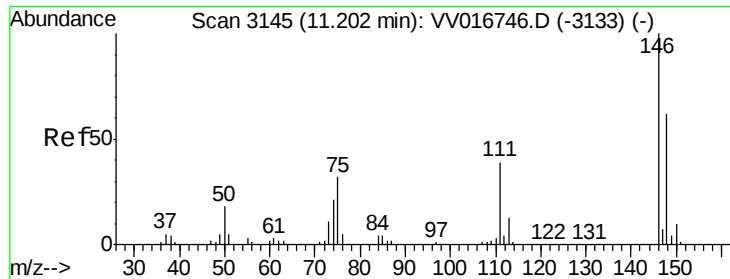
Tot Ion: 75 Resp: 173384
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.1 39.1



#61
 Bromoform
 Concen: 50.515 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV016761.D
 Acq: 10 Jun 2020 11:48

Tgt Ion: 173 Resp: 100170
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.0 58.4
 254 9.6 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 50.056 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

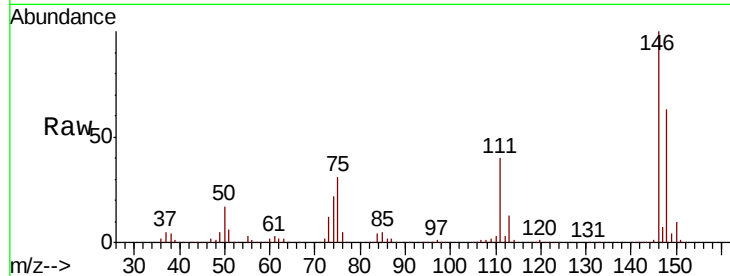
MSVOA_V

ClientSampleId :

VSTD05079

Tot Ion:146 Resp: 305650

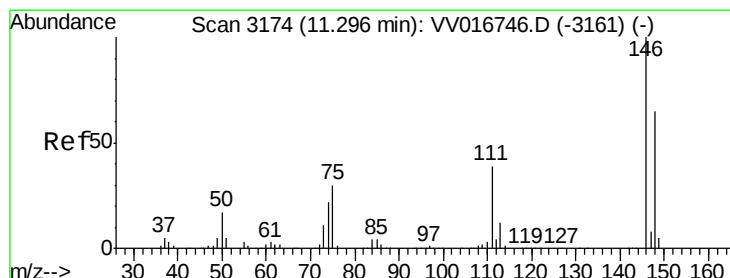
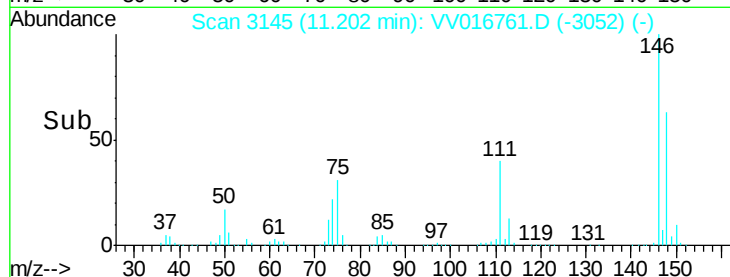
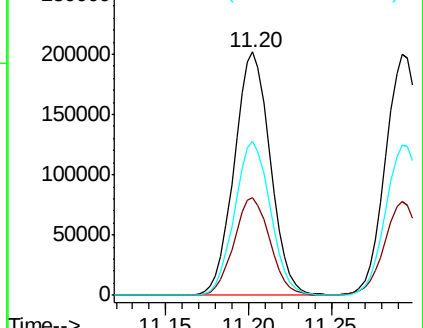
Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.3	52.7
148	63.1	44.2	82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.963 ug/L

RT: 11.29 min Scan# 3173

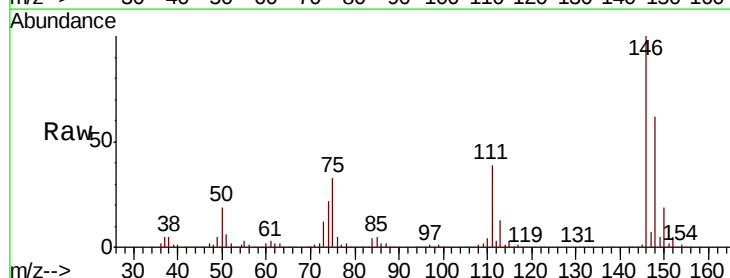
Delta R.T. -0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Tgt Ion:146 Resp: 304193

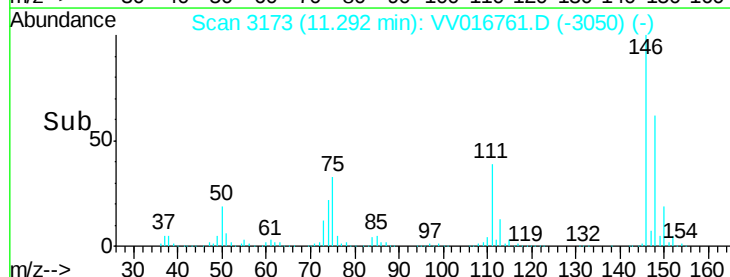
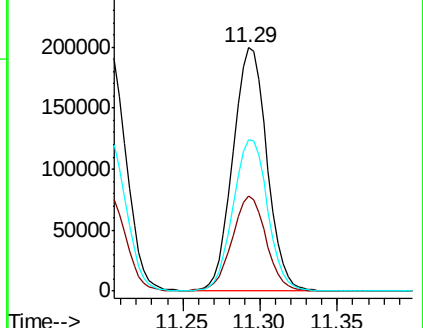
Ion	Ratio	Lower	Upper
146	100		
111	39.1	26.7	49.7
148	62.3	43.5	80.9

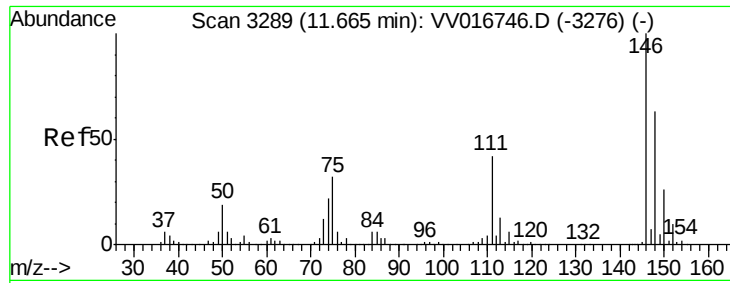


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.227 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

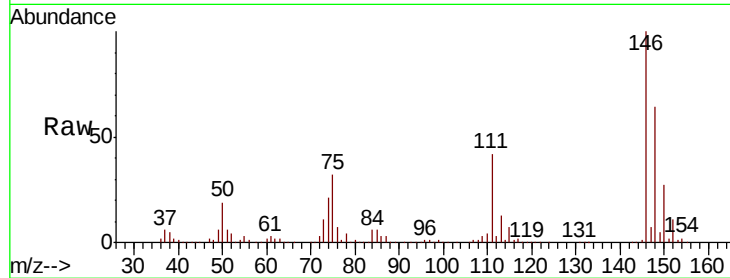
Tot Ion:146 Resp: 301233

Ion Ratio Lower Upper

146 100

111 41.7 33.7 50.5

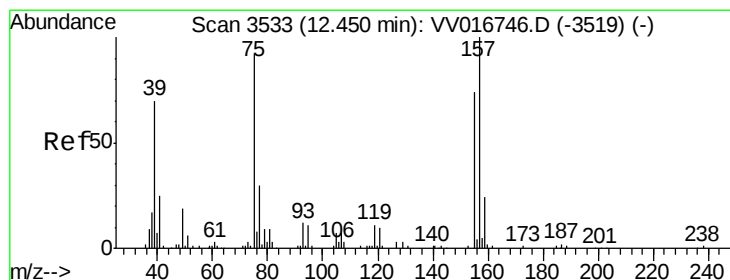
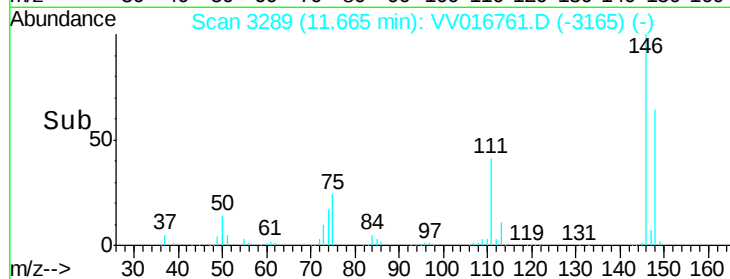
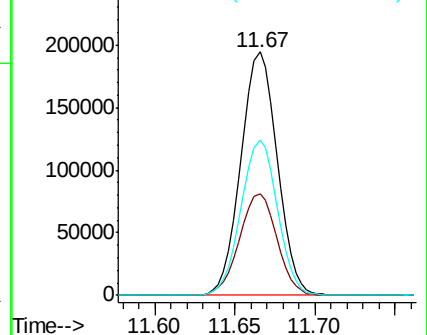
148 63.7 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 48.657 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

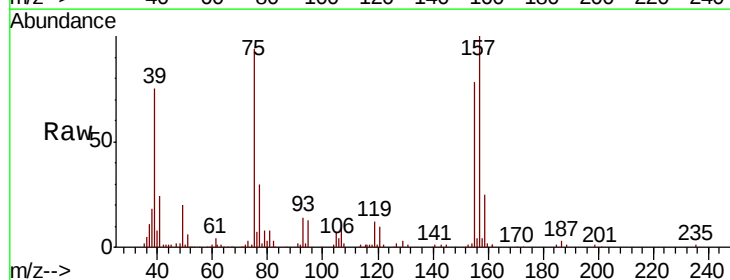
Tgt Ion: 75 Resp: 46817

Ion Ratio Lower Upper

75 100

155 83.3 69.8 104.6

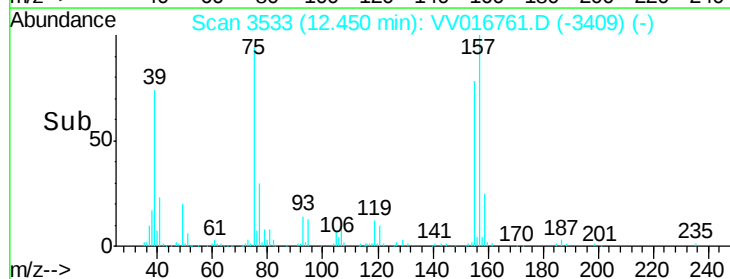
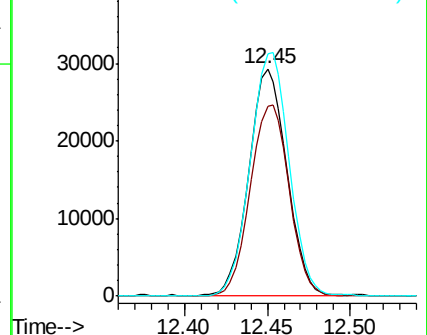
157 106.9 83.4 125.2

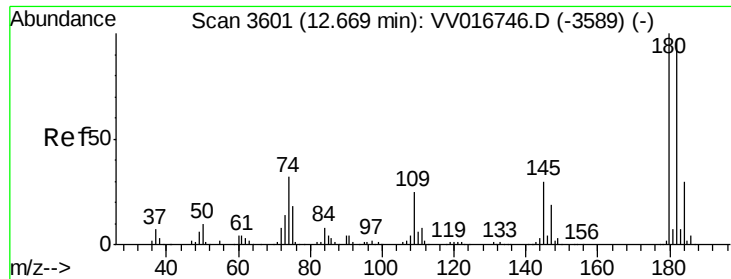


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

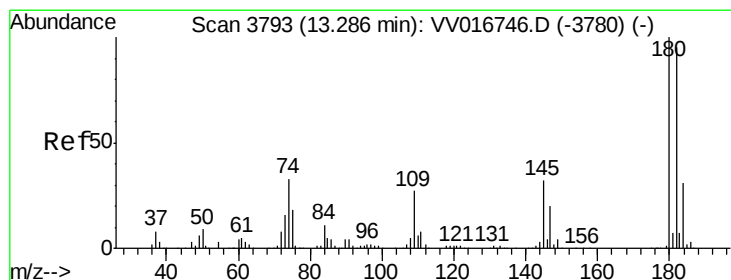
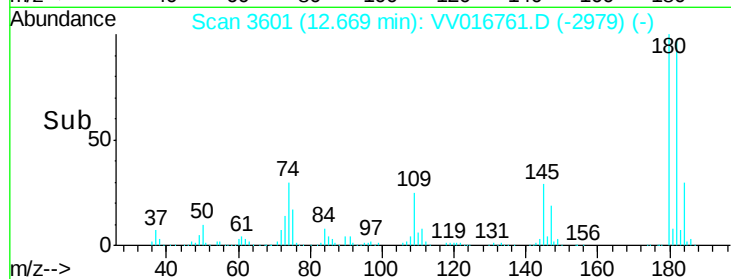
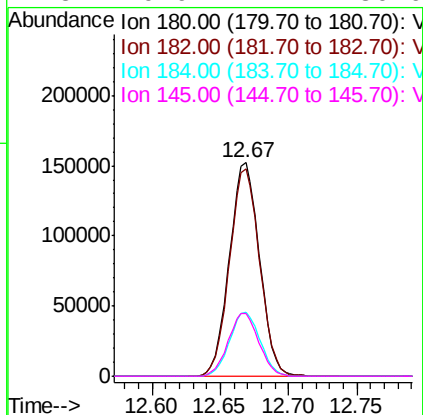
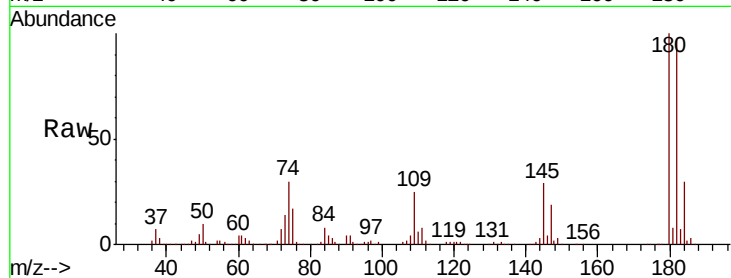




#67
 1,3,5-Trichlorobenzene
 Concen: 51.165 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016761.D
 Acq: 10 Jun 2020 11:48

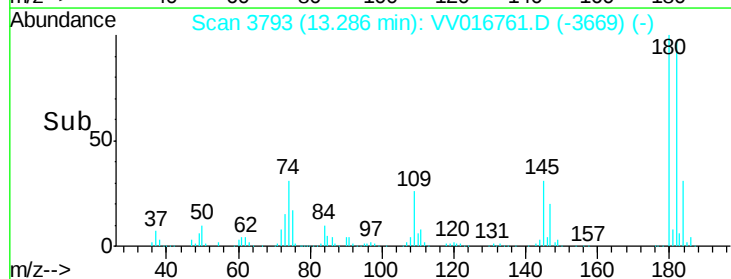
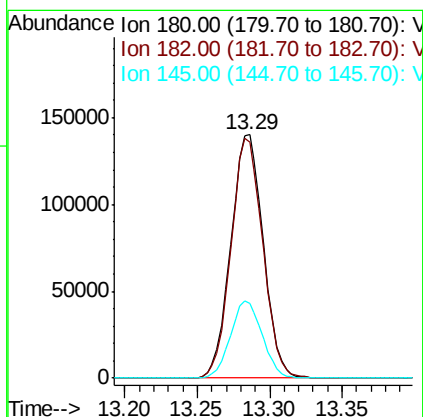
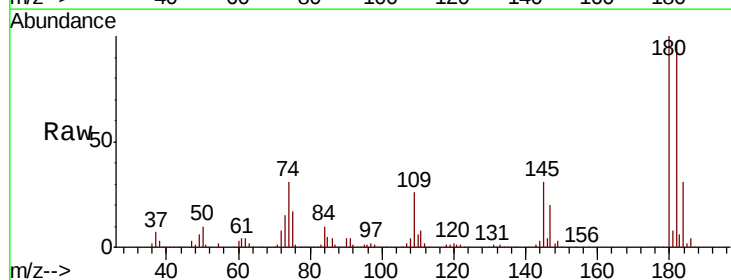
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

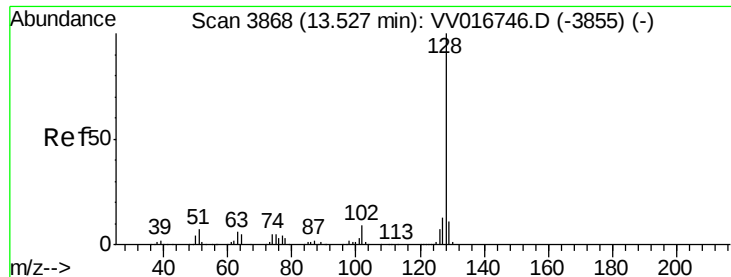
Tot Ion:180	Resp:	232969
Ion Ratio	Lower	Upper
180 100		
182 97.3	75.0	112.6
184 30.4	24.5	36.7
145 29.9	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 51.918 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016761.D
 Acq: 10 Jun 2020 11:48

Tgt	Ion:180	Resp:	216833
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.9	115.3
145	31.0	25.2	37.8





#69

Naphthalene

Concen: 52.328 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

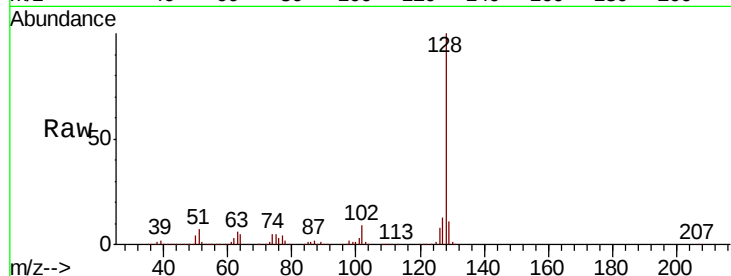
Tot Ion:128 Resp: 628642

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

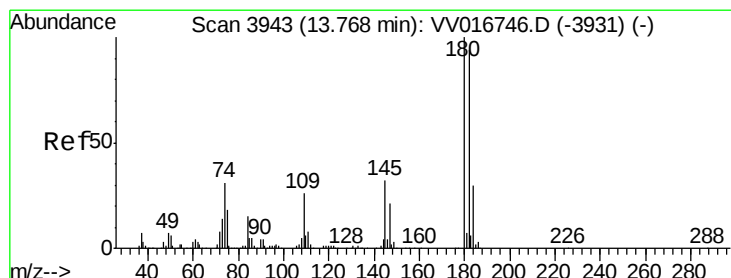
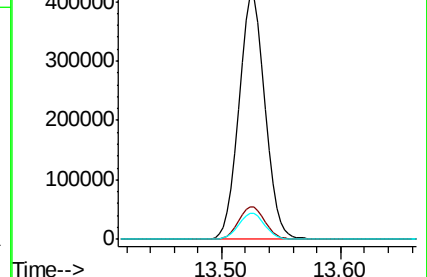
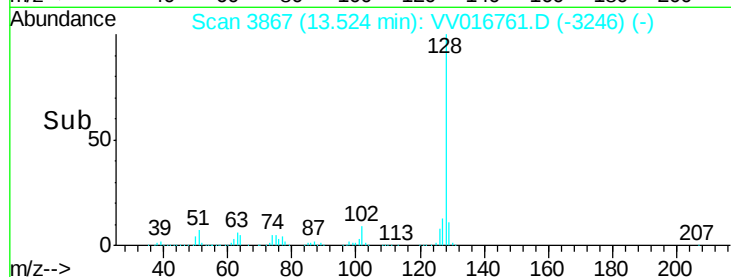
129 10.8 8.7 13.1



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: 52.311 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016761.D

Acq: 10 Jun 2020 11:48

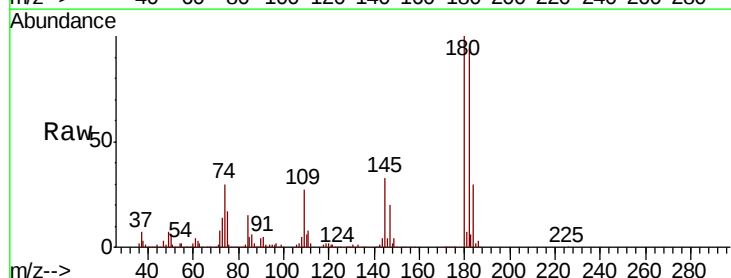
Tgt Ion:180 Resp: 213769

Ion Ratio Lower Upper

180 100

182 93.2 76.5 114.7

145 33.3 26.1 39.1



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

