

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090920\
 Data File : VV018165.D
 Acq On : 09 Sep 2020 11:46
 Operator : SY/MD
 Sample : VSTD20062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Quant Time: Sep 10 02:10:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 10 02:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	314941	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	313185	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	176514	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	511500	208.52	ug/L	0.00
7) Chloroethane-d5	1.58	69	415657	207.06	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	946517	203.35	ug/L	0.00
21) 2-Butanone-d5	3.91	46	680352	431.91	ug/L	0.00
24) Chloroform-d	4.38	84	928052	210.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	587234	206.21	ug/L	0.00
32) Benzene-d6	5.08	84	1843654	211.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	590424	209.40	ug/L	0.00
41) Toluene-d8	7.34	98	1722955	218.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	320798	245.35	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	547783	581.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	778595	212.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	743445	210.82	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	452056	184.953	ug/L	99
3) Chloromethane	1.25	50	510573	182.879	ug/L	98
5) Vinyl chloride	1.32	62	527024	190.099	ug/L	100
6) Bromomethane	1.53	94	336583	201.481	ug/L	99
8) Chloroethane	1.60	64	326961	184.745	ug/L	100
9) Trichlorofluoromethane	1.76	101	714028	180.717	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	430415	192.135	ug/L	99
12) 1,1-Dichloroethene	2.13	96	432452	203.720	ug/L	95
13) Acetone	2.19	43	463413	298.654	ug/L	98
14) Carbon disulfide	2.31	76	1325070	221.752	ug/L	100
15) Methyl Acetate	2.45	43	476683	186.297	ug/L	99
16) Methylene chloride	2.52	84	479208	181.286	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	458919	210.178	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	1481328	208.756	ug/L	99
19) 1,1-Dichloroethane	3.21	63	851349	196.312	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	505136	212.481	ug/L	97
22) 2-Butanone	3.99	43	674307	383.987	ug/L	98
23) Bromochloromethane	4.27	128	260155	208.774	ug/L	98
25) Chloroform	4.40	83	864116	195.393	ug/L	99
27) 1,2-Dichloroethane	5.15	62	677241	193.674	ug/L	99
29) Cyclohexane	4.70	56	783348	206.897	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	760132	198.870	ug/L	99
31) Carbon tetrachloride	4.86	117	661741	205.154	ug/L	98
33) Benzene	5.13	78	1909434	199.119	ug/L	100
34) Trichloroethene	5.94	95	500218	195.949	ug/L	99
35) Methylcyclohexane	6.15	83	789748	206.053	ug/L	99
37) 1,2-Dichloropropane	6.20	63	508802	195.636	ug/L	99
38) Bromodichloromethane	6.53	83	668563	205.223	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	848337	227.108	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	1312302	392.553	ug/L	99

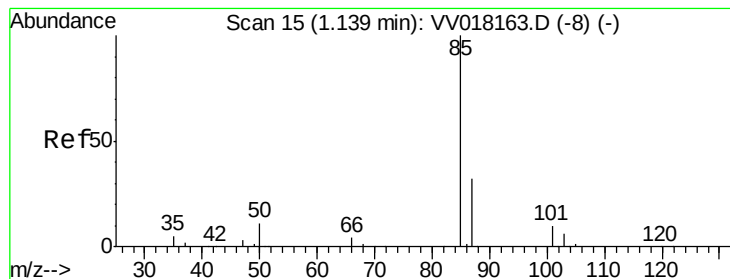
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090920\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2065845	205.505	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	821238	230.839	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	471460	195.221	ug/L	98
46) Tetrachloroethene	8.00	164	406056	213.061	ug/L	98
48) 2-Hexanone	8.16	43	1015288	378.441	ug/L	98
49) Dibromochloromethane	8.27	129	557224	230.840	ug/L	100
50) 1,2-Dibromoethane	8.37	107	511922	203.999	ug/L	100
51) Chlorobenzene	8.90	112	1329501	204.765	ug/L	99
52) Ethylbenzene	9.03	91	2298502	209.361	ug/L	99
53) m,p-Xylene	9.16	106	870108	215.012	ug/L	97
54) o-xylene	9.56	106	849622	212.660	ug/L	99
55) Styrene	9.58	104	1509608	221.131	ug/L	99
56) Isopropylbenzene	9.95	105	2249719	212.766	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	749181	201.431	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	601660	189.018	ug/L	100
61) Bromoform	9.75	173	427593	247.270	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	1116017	198.862	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	1142292	198.065	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	1137667	198.077	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	178161	215.613	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	906245	210.699	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	857659	226.845	ug/L	99
69) Naphthalene	13.52	128	2370554	232.823	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	827132	216.426	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 184.953 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

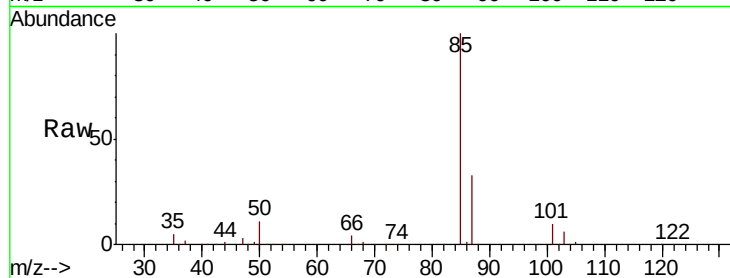
VSTD20062

Tot Ion: 85 Resp: 452056

Ion Ratio Lower Upper

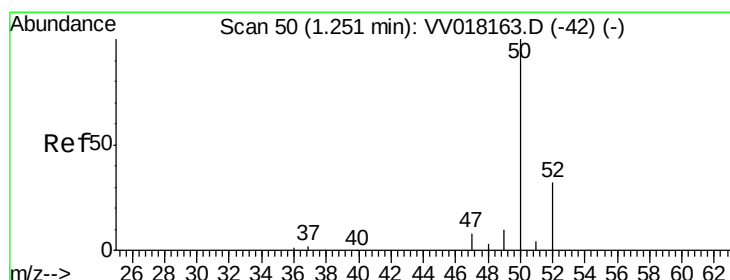
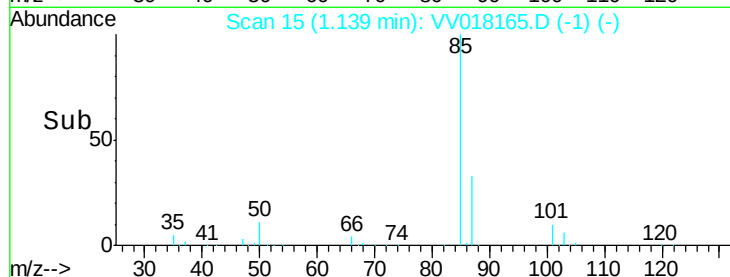
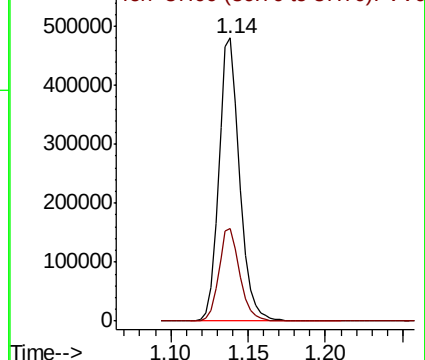
85 100

87 32.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 182.879 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018165.D

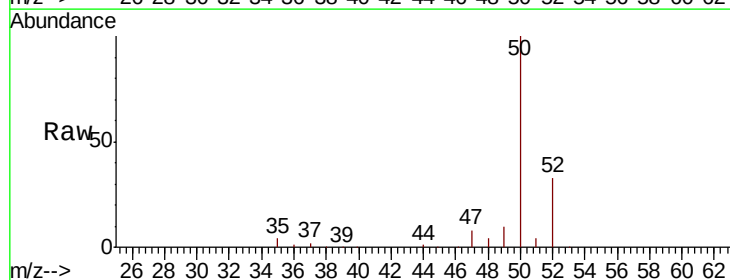
Acq: 09 Sep 2020 11:46

Tgt Ion: 50 Resp: 510573

Ion Ratio Lower Upper

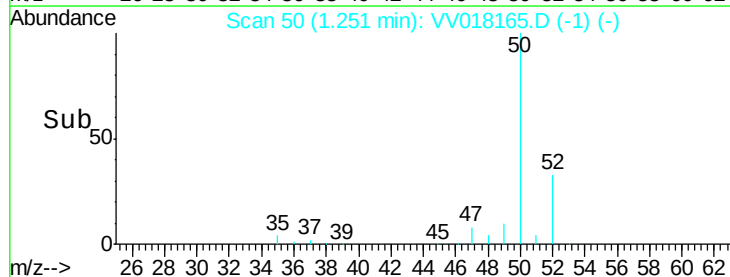
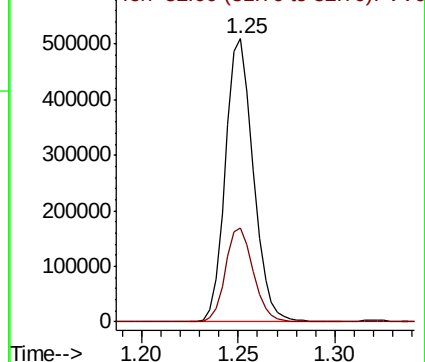
50 100

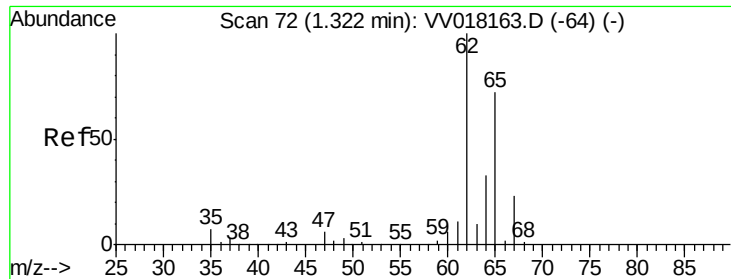
52 33.3 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 190.099 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

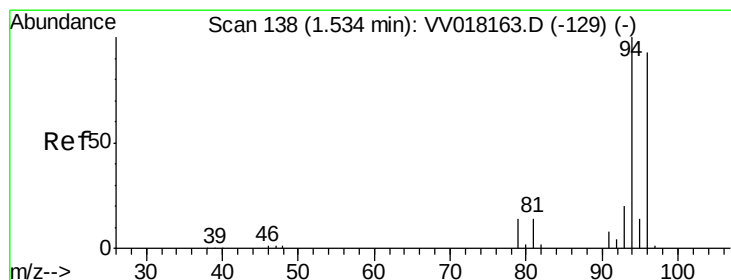
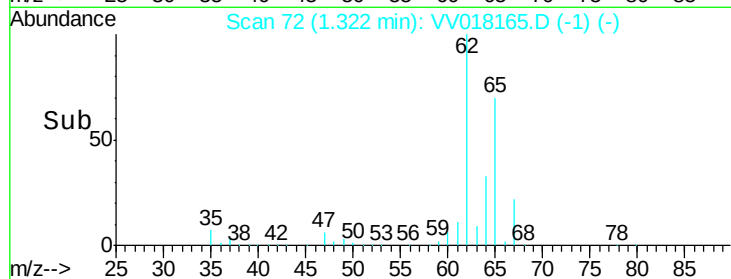
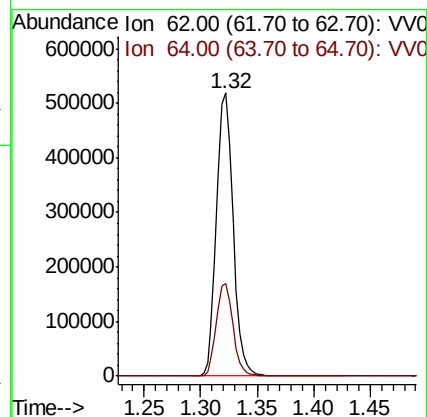
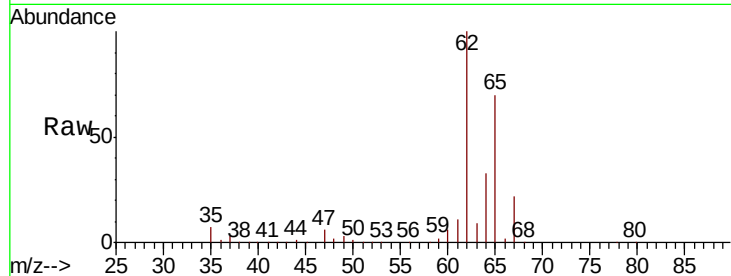
VSTD20062

Tot Ion: 62 Resp: 527024

Ion Ratio Lower Upper

62 100

64 32.8 23.1 42.9



#6

Bromomethane

Concen: 201.481 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018165.D

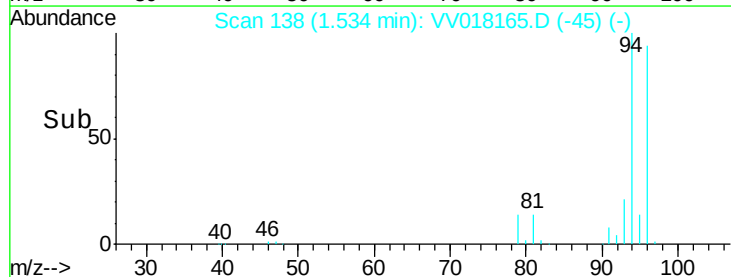
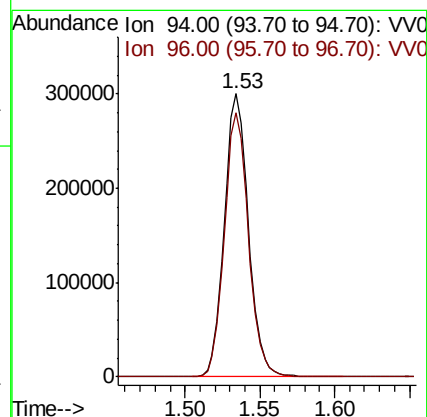
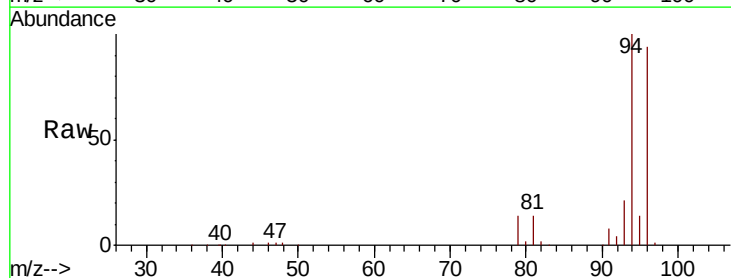
Acq: 09 Sep 2020 11:46

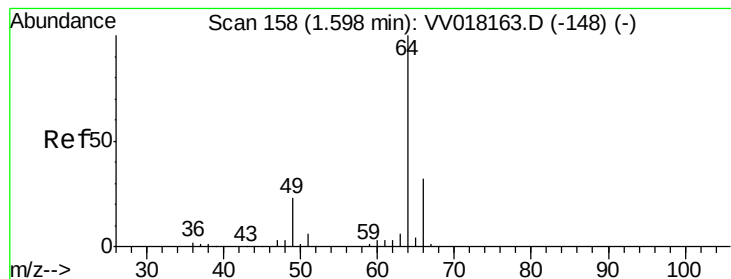
Tgt Ion: 94 Resp: 336583

Ion Ratio Lower Upper

94 100

96 93.6 65.1 120.9





#8

Chloroethane

Concen: 184.745 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

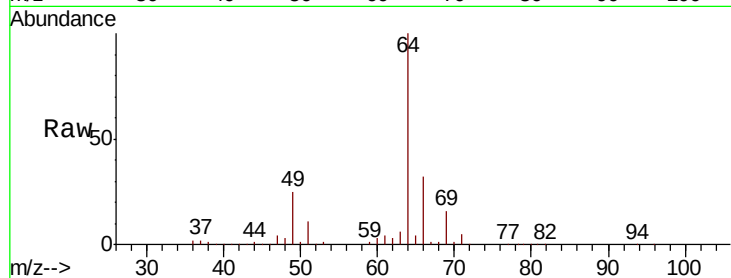
VSTD20062

Tot Ion: 64 Resp: 326961

Ion Ratio Lower Upper

64 100

66 31.8 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018165.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018165.D (-148) (-)

1.60

300000

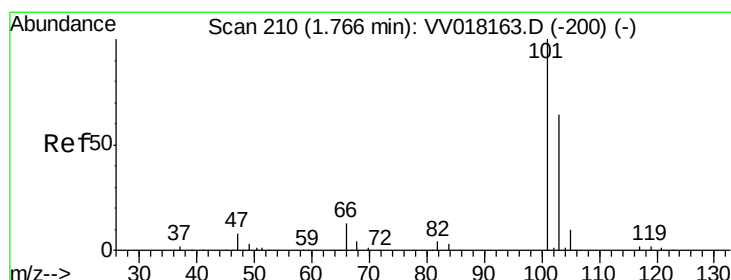
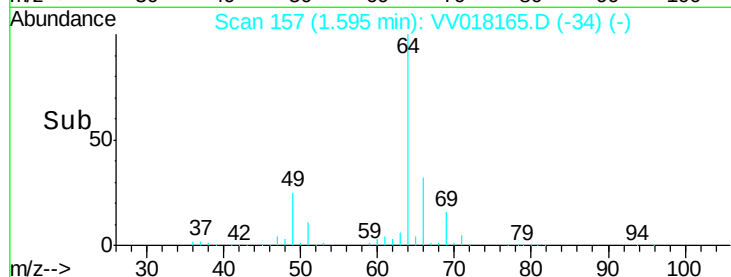
200000

100000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 180.717 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018165.D

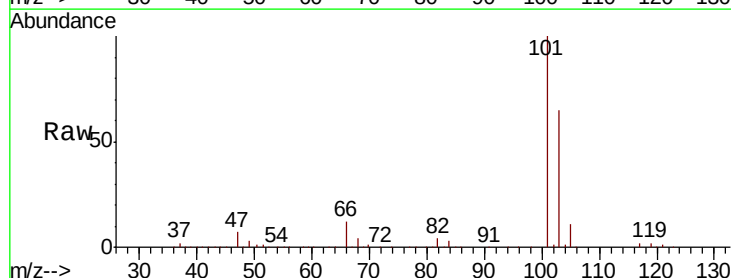
Acq: 09 Sep 2020 11:46

Tgt Ion:101 Resp: 714028

Ion Ratio Lower Upper

101 100

103 65.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018165.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV018165.D (-200) (-)

1.76

600000

500000

400000

300000

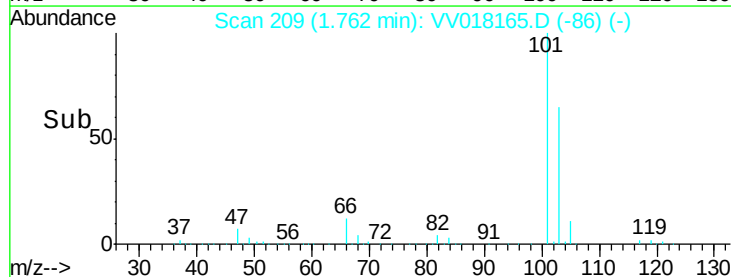
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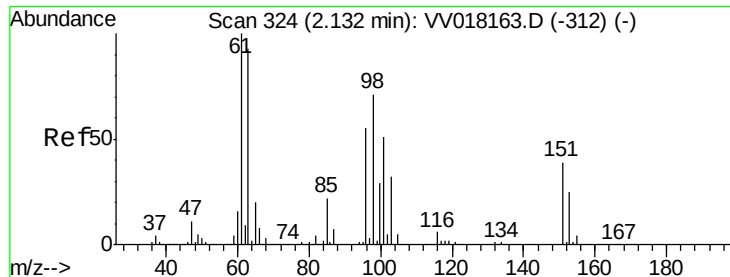
100000

0

1.70 1.75 1.80 1.85 1.90

Time-->





#10

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

Concen: 192.135 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

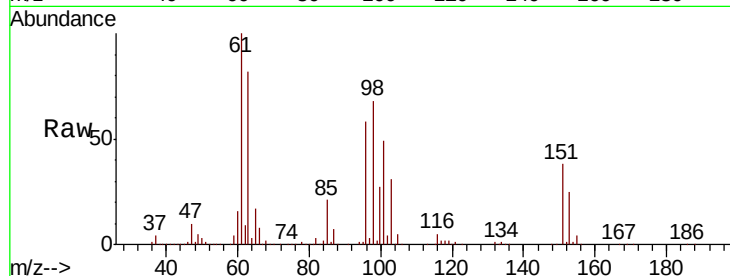
Tot Ion:101 Resp: 430415

Ion Ratio Lower Upper

101 100

85 42.1 33.5 50.3

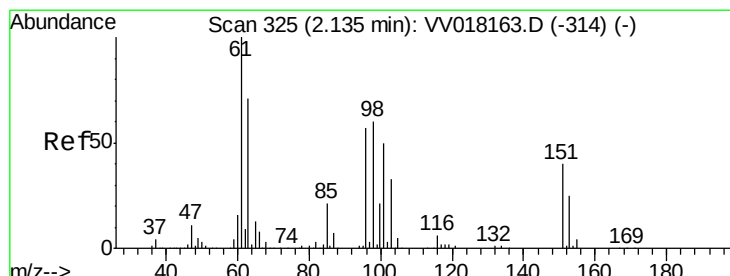
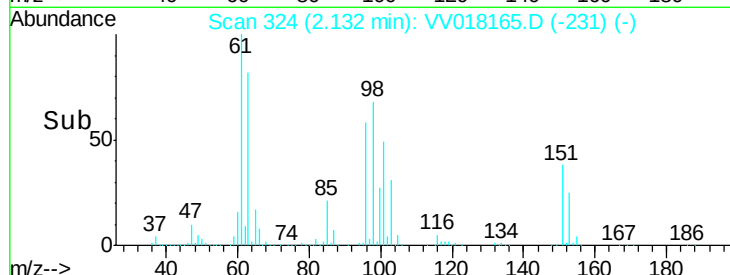
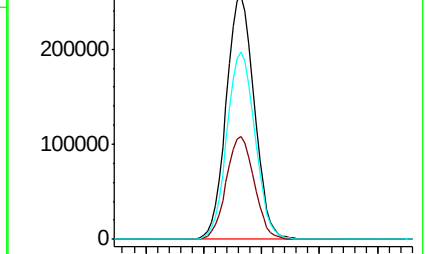
151 77.0 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): VV018163.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV018163.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV018163.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 203.720 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

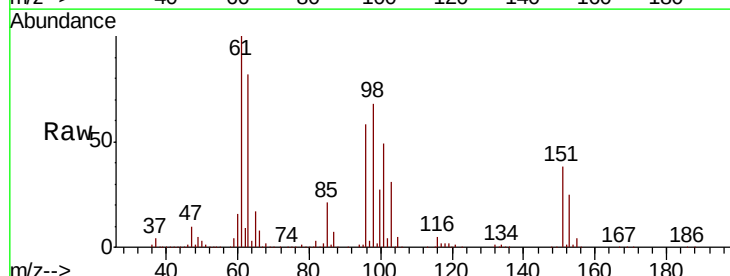
Tgt Ion: 96 Resp: 432452

Ion Ratio Lower Upper

96 100

61 173.4 122.9 228.3

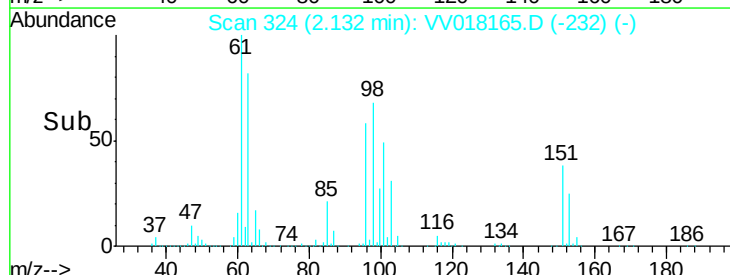
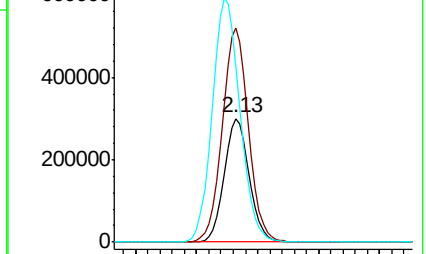
63 142.4 91.9 170.7

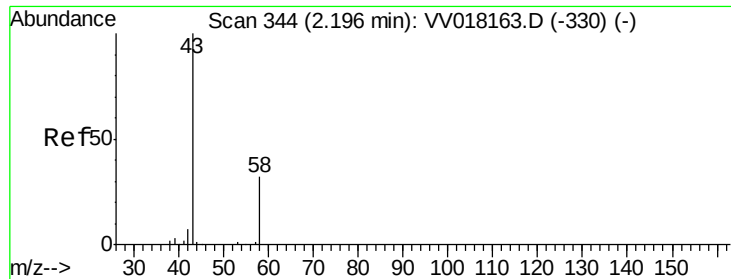


Abundance Ion 96.00 (95.70 to 96.70): VV018165.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV018165.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV018165.D (-232) (-)





#13

Acetone

Concen: 298.654 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

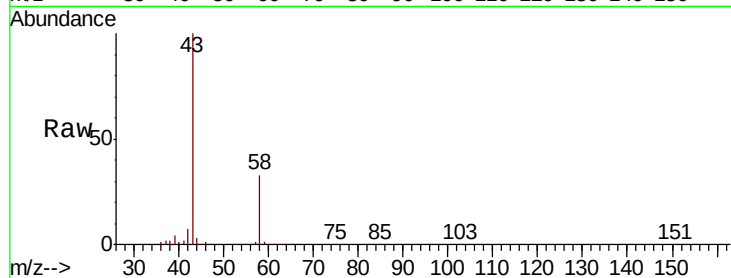
VSTD20062

Tot Ion: 43 Resp: 463413

Ion Ratio Lower Upper

43 100

58 32.6 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018163.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV018163.D (-330) (-)

2.19

200000

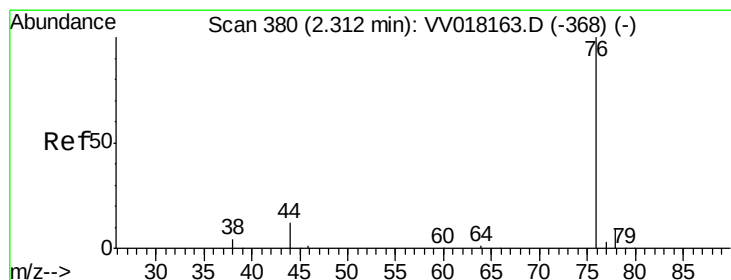
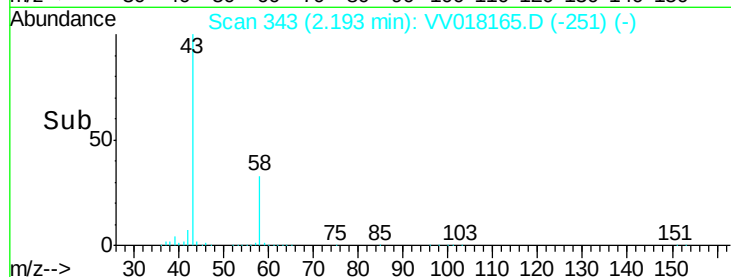
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 221.752 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018165.D

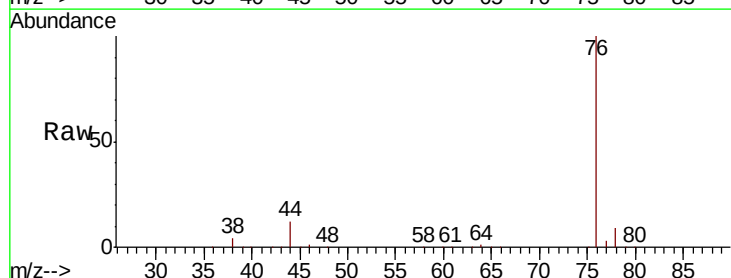
Acq: 09 Sep 2020 11:46

Tgt Ion: 76 Resp: 1325070

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018163.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV018163.D (-368) (-)

2.31

1000000

800000

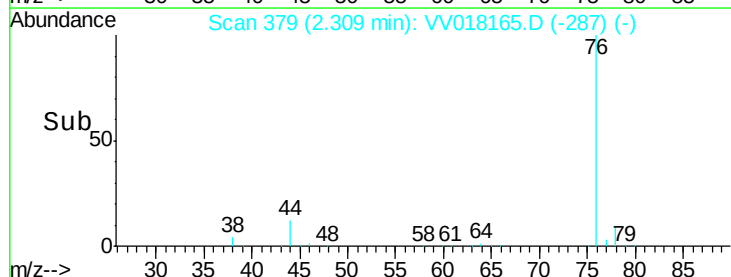
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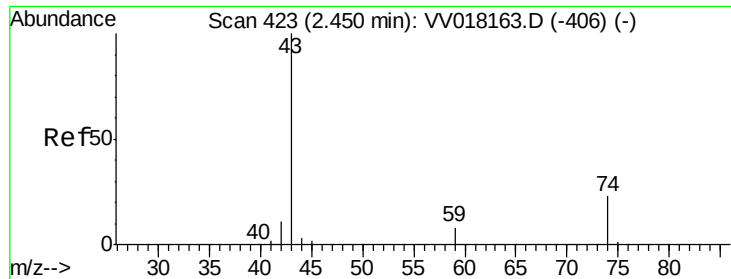
400000

200000

0

Time-->

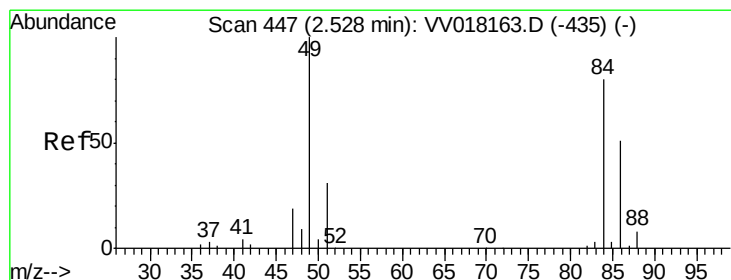
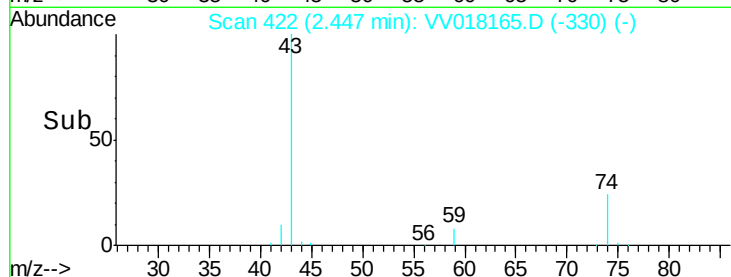
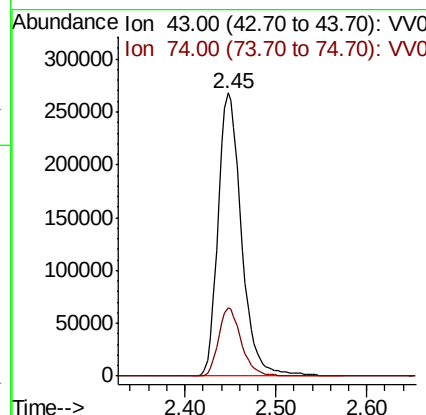
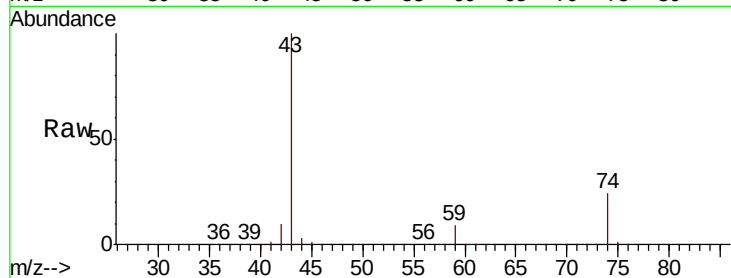




#15
Methvl Acetate
Concen: 186.297 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

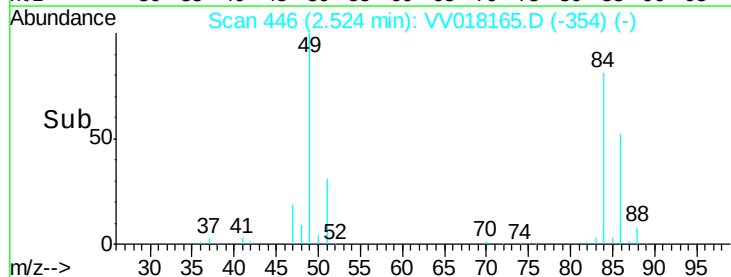
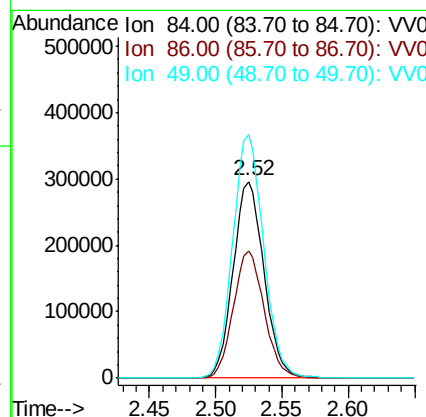
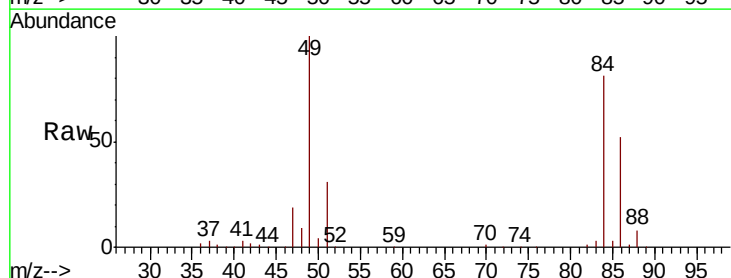
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

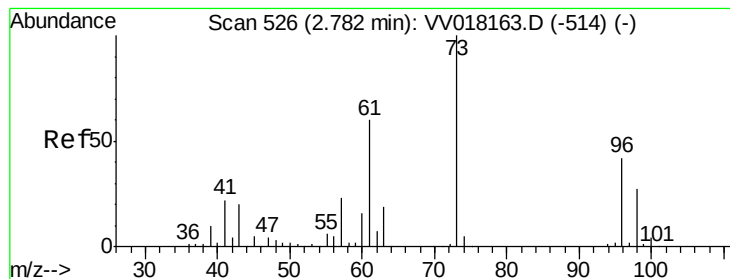
Tot Ion: 43 Resp: 476683
Ion Ratio Lower Upper
43 100
74 23.7 18.4 27.6



#16
Methylene chloride
Concen: 181.286 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

Tgt Ion: 84 Resp: 479208
Ion Ratio Lower Upper
84 100
86 64.8 44.4 82.4
49 124.0 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 210.178 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

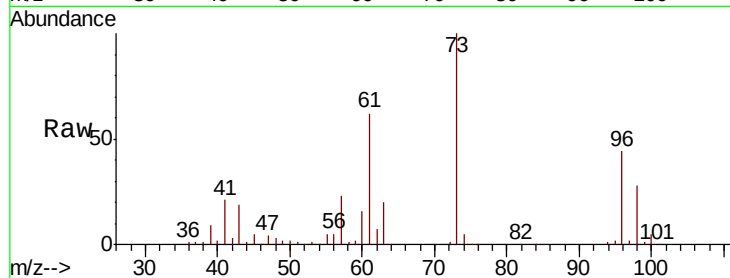
Tot Ion: 96 Resp: 458919

Ion Ratio Lower Upper

96 100

61 140.7 100.7 186.9

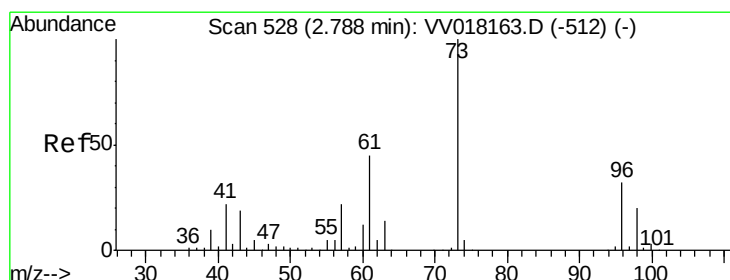
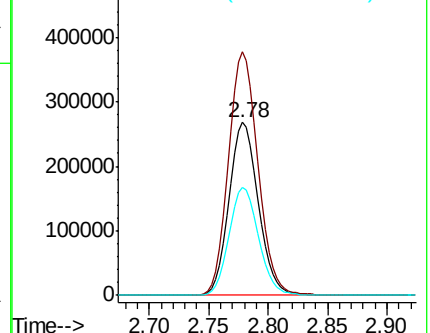
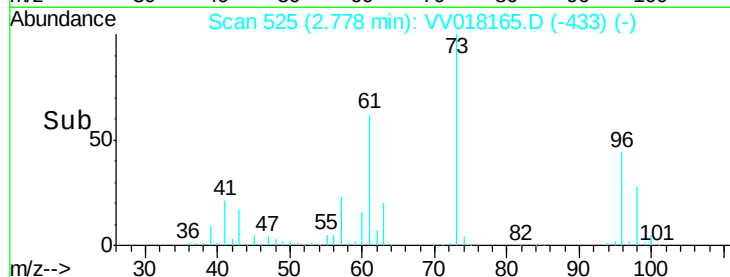
98 62.7 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV018165.D (-433) (-)

Ion 61.00 (60.70 to 61.70): VV018165.D (-433) (-)

Ion 98.00 (97.70 to 98.70): VV018165.D (-433) (-)



#18

Methyl tert-butyl Ether

Concen: 208.756 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

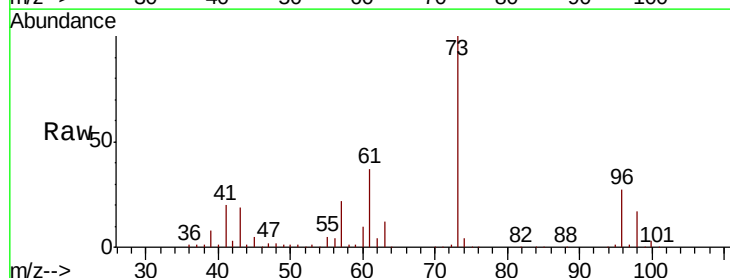
Tgt Ion: 73 Resp: 1481328

Ion Ratio Lower Upper

73 100

43 18.7 15.4 23.0

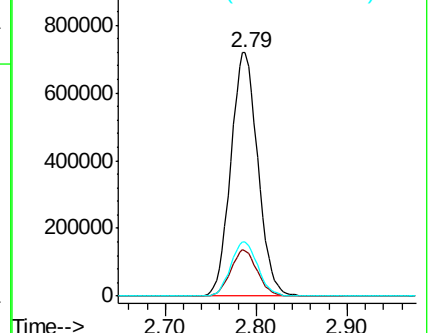
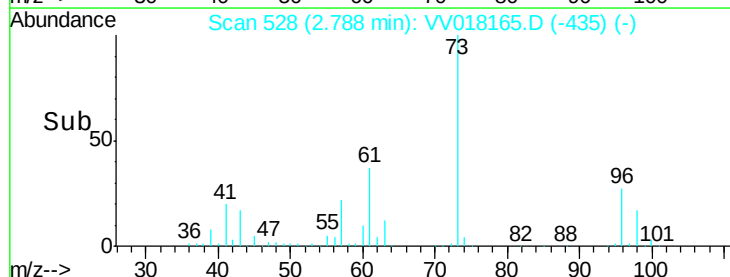
57 22.3 18.0 27.0

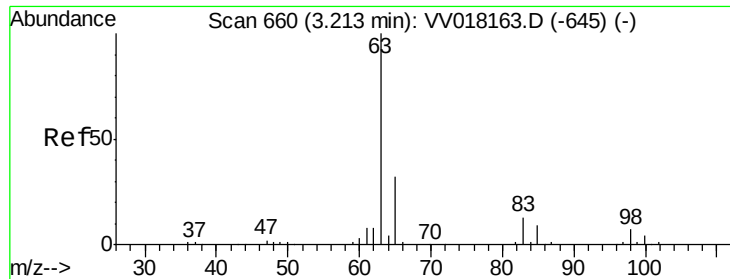


Abundance Ion 73.00 (72.70 to 73.70): VV018165.D (-435) (-)

Ion 43.00 (42.70 to 43.70): VV018165.D (-435) (-)

Ion 57.00 (56.70 to 57.70): VV018165.D (-435) (-)

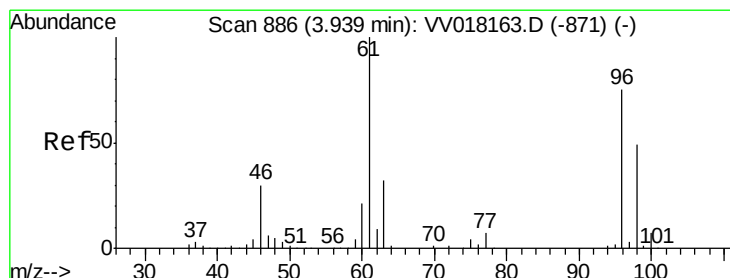
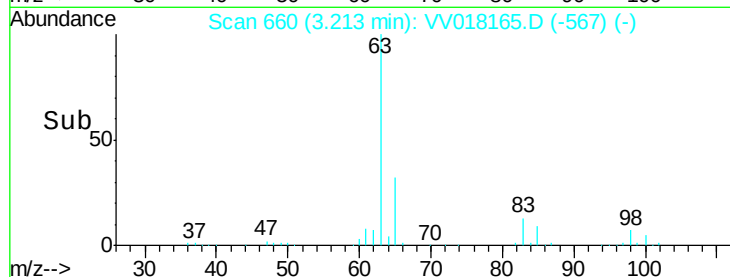
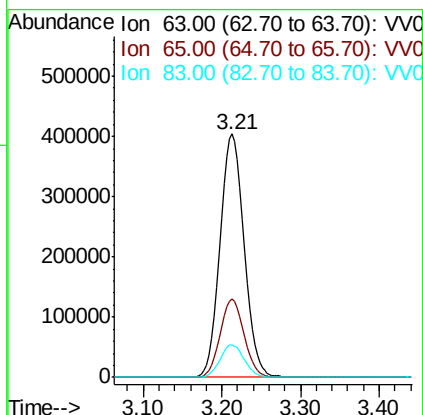
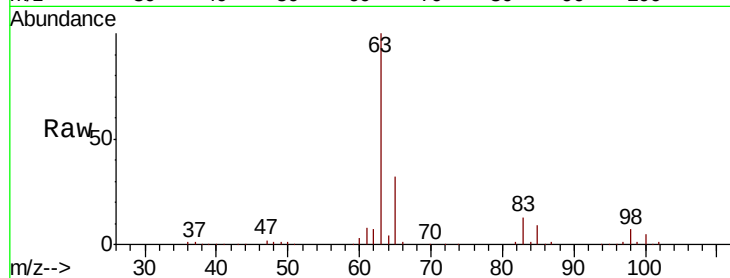




#19
 1,1-Dichloroethane
 Concen: 196.312 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

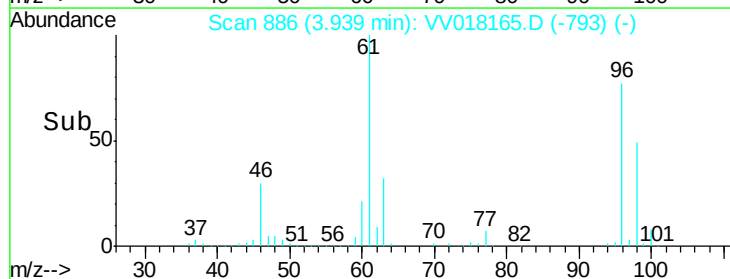
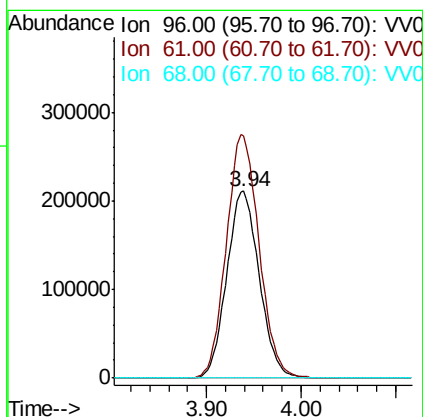
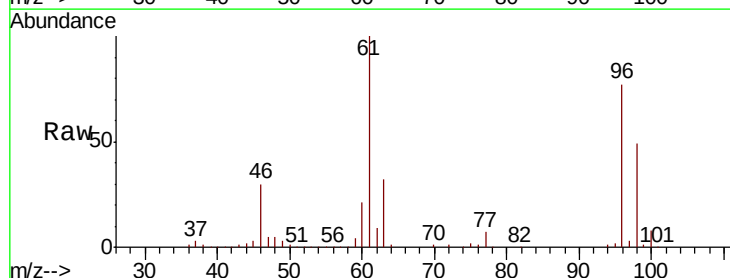
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

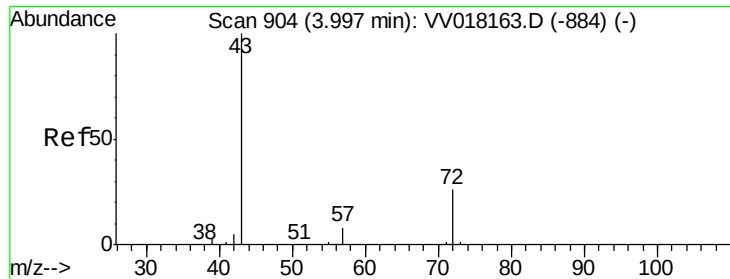
Tot Ion: 63 Resp: 851349
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 13.4 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 212.481 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

Tgt Ion: 96 Resp: 505136
 Ion Ratio Lower Upper
 96 100
 61 129.9 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 383.987 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.01 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

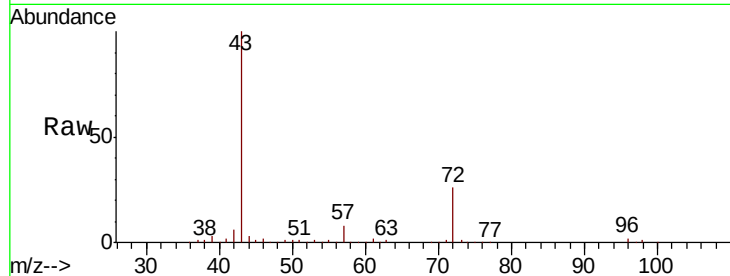
VSTD20062

Tot Ion: 43 Resp: 674307

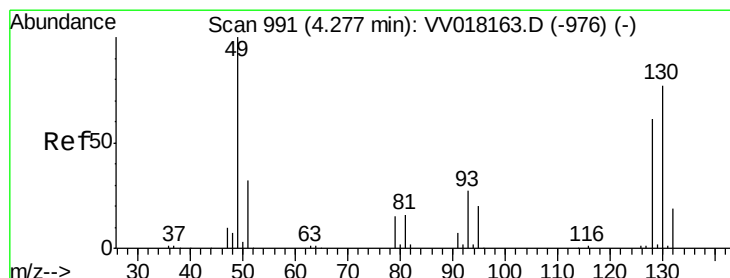
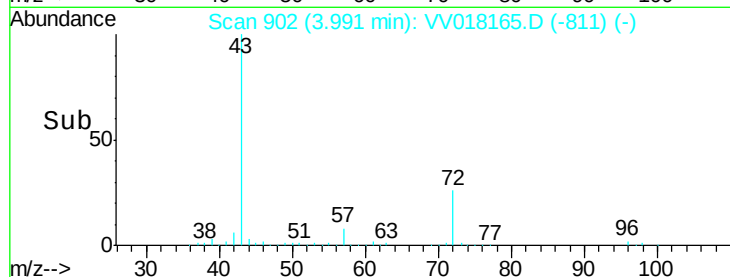
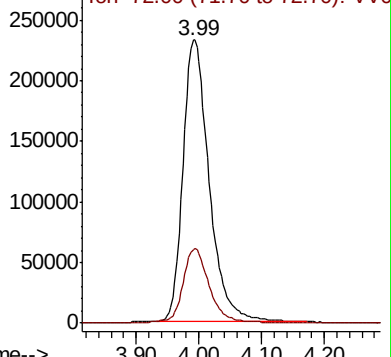
Ion Ratio Lower Upper

43 100

72 27.0 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018165.D (-811) (-)



#23

Bromochloromethane

Concen: 208.774 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Tgt Ion: 128 Resp: 260155

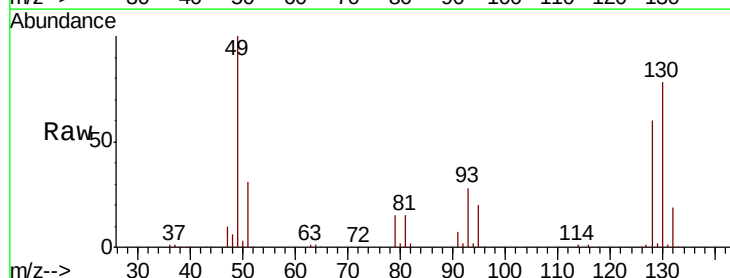
Ion Ratio Lower Upper

128 100

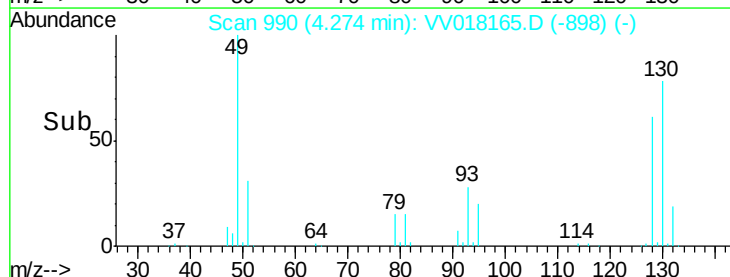
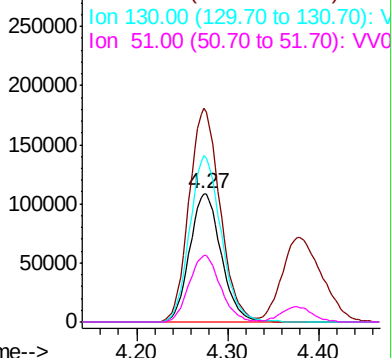
49 166.2 114.4 212.6

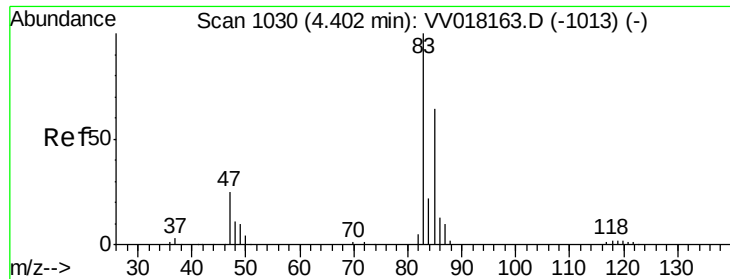
130 129.1 87.9 163.3

51 51.9 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018165.D (-898) (-)

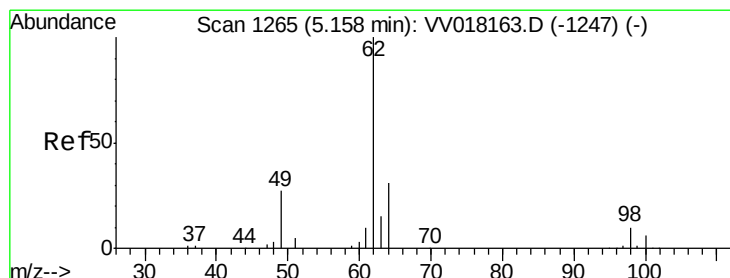
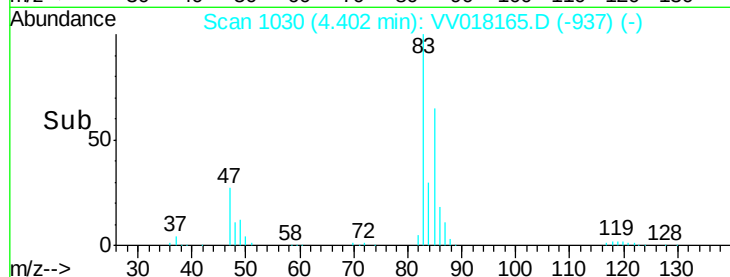
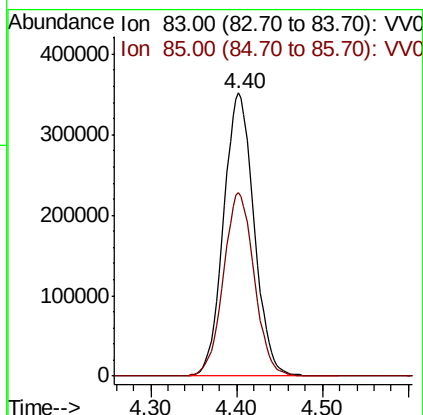
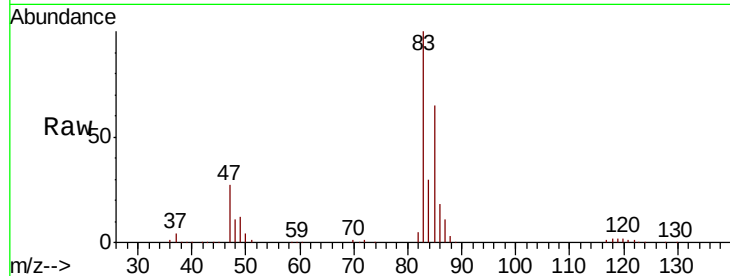




#25
Chloroform
Concen: 195.393 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

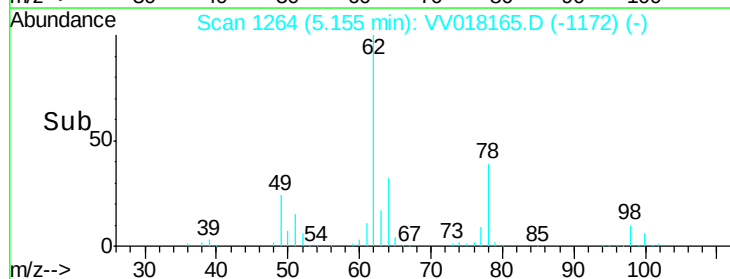
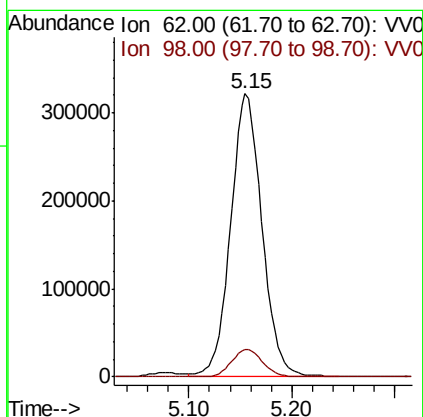
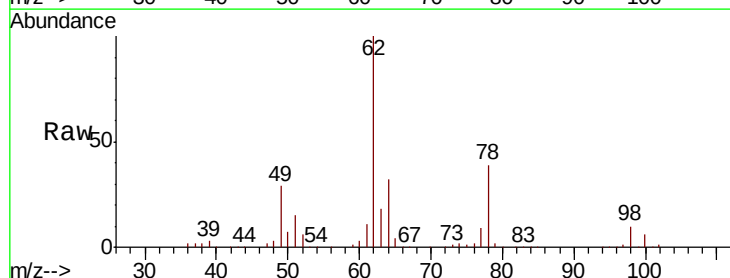
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

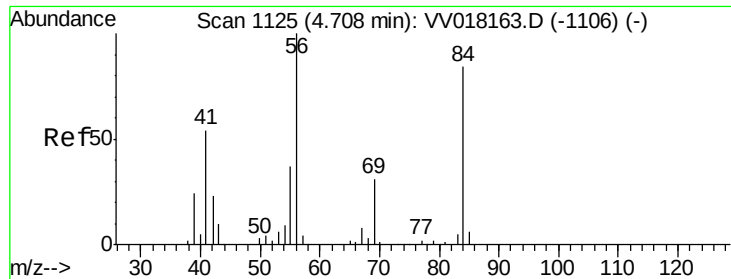
Tot Ion: 83 Resp: 864116
Ion Ratio Lower Upper
83 100
85 65.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 193.674 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

Tgt Ion: 62 Resp: 677241
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4

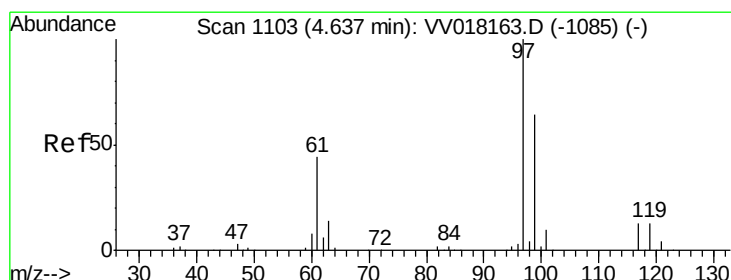
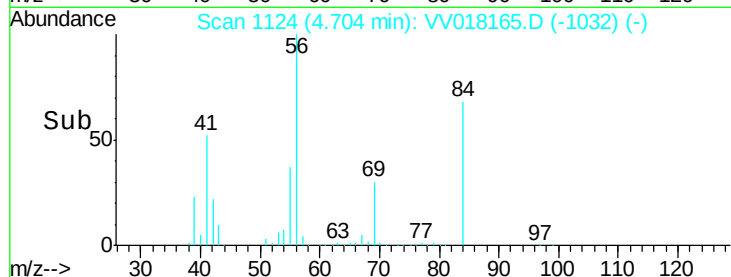
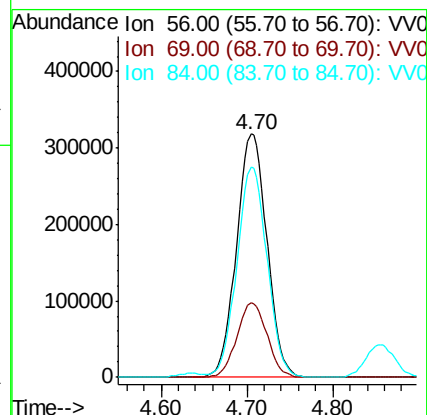
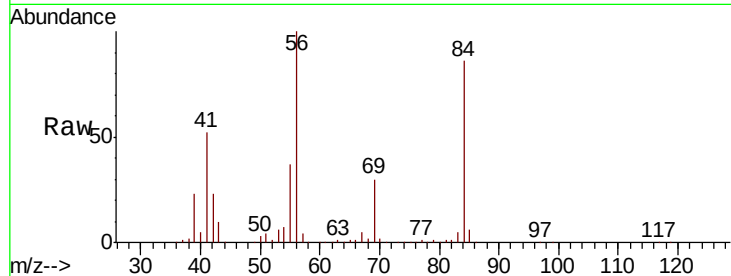




#29
Cyclohexane
Concen: 206.897 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

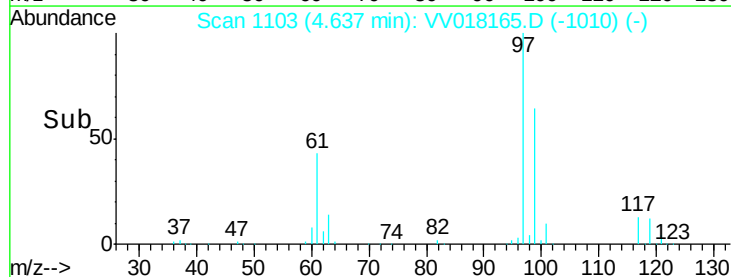
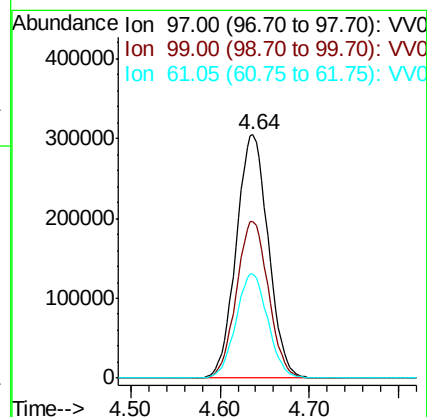
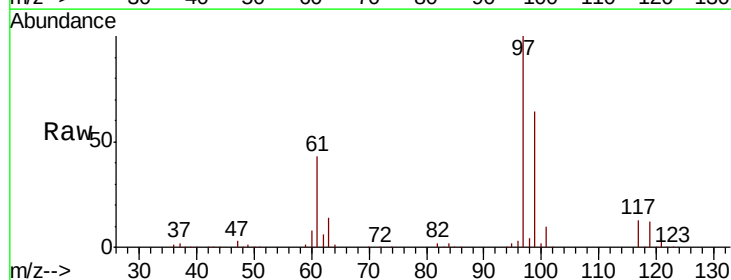
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

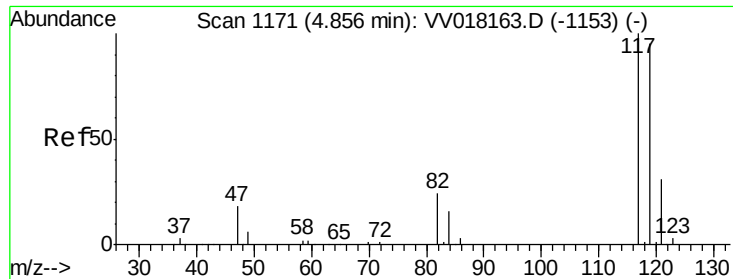
Tot Ion: 56 Resp: 783348
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.2
84 85.9 68.3 102.5



#30
1,1,1-Trichloroethane
Concen: 198.870 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

Tgt Ion: 97 Resp: 760132
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 42.8 34.9 52.3





#31

Carbon tetrachloride

Concen: 205.154 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

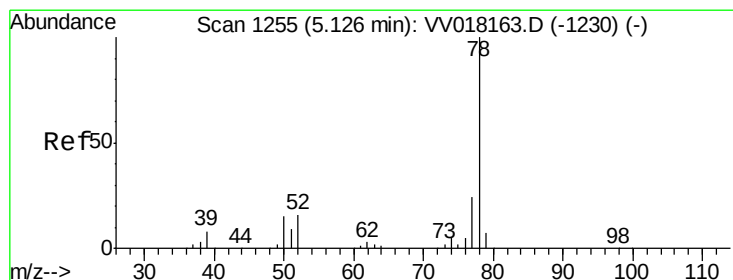
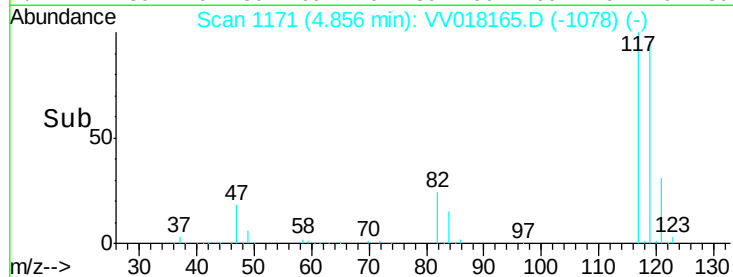
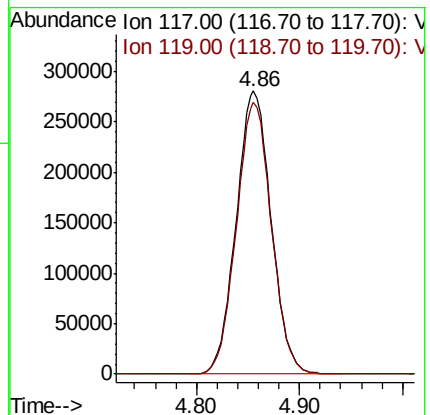
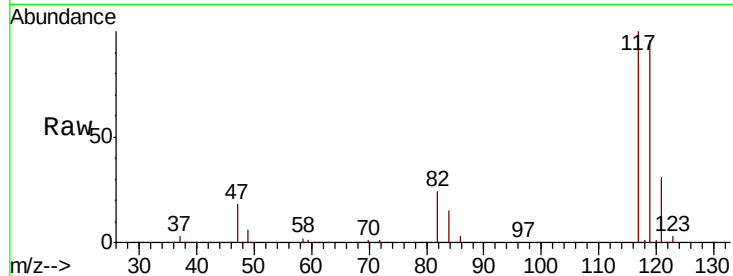
VSTD20062

Tot Ion:117 Resp: 661741

Ion Ratio Lower Upper

117 100

119 96.4 75.7 113.5



#33

Benzene

Concen: 199.119 ug/L

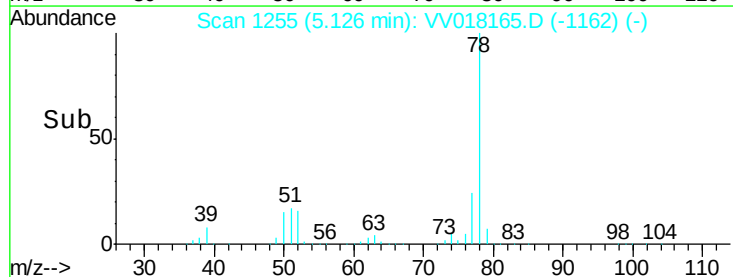
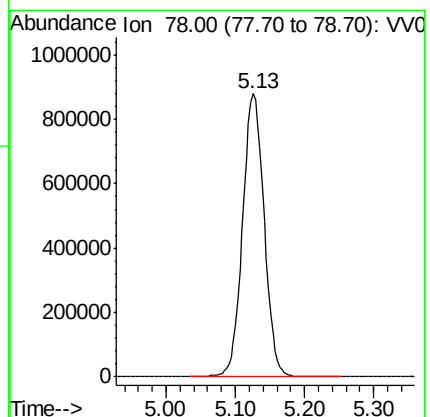
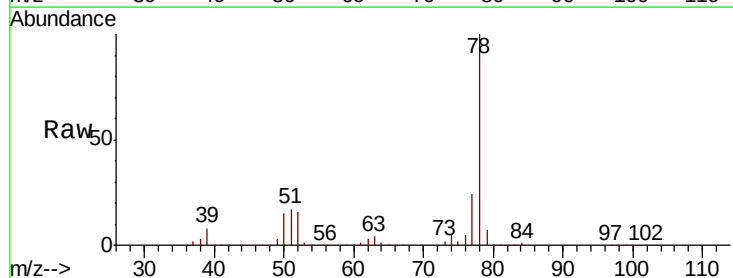
RT: 5.13 min Scan# 1255

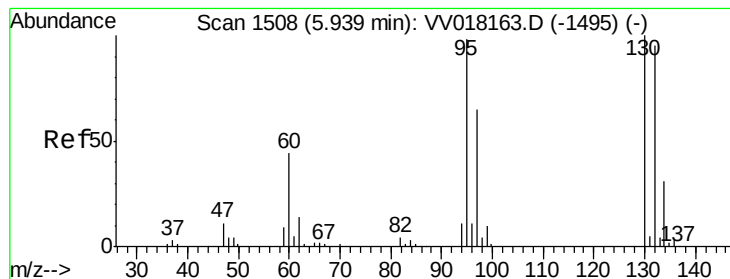
Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Tgt Ion: 78 Resp: 1909434





#34

Trichloroethene

Concen: 195.949 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

Tot Ion: 95 Resp: 500218

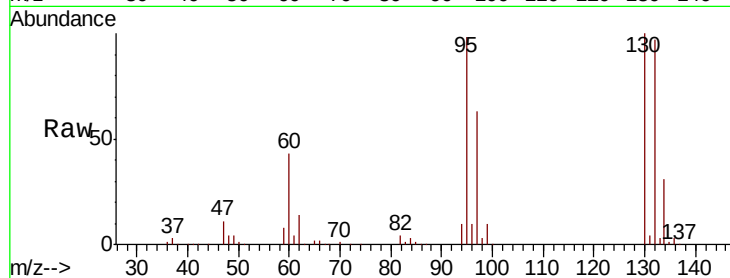
Ion Ratio Lower Upper

95 100

97 64.8 46.3 85.9

132 98.9 68.1 126.5

130 102.4 71.5 132.9

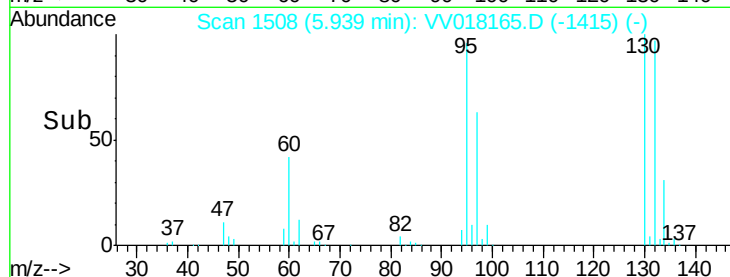


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

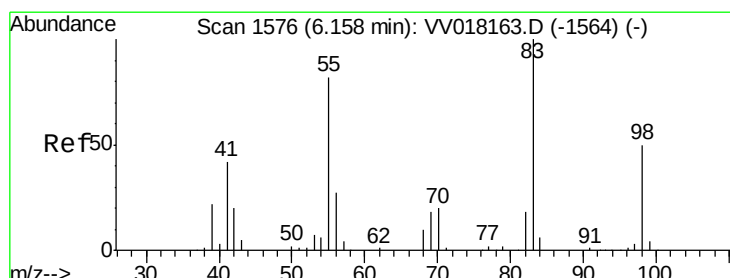
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



Time-->

5.94



#35

Methylcyclohexane

Concen: 206.053 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

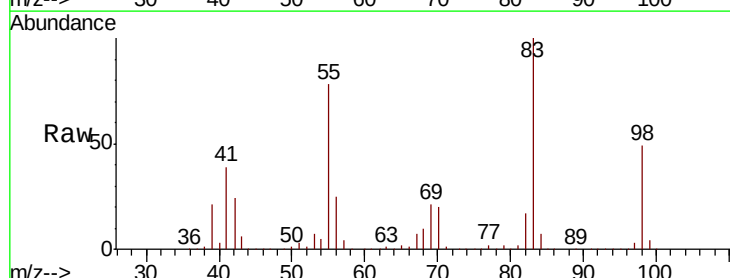
Tgt Ion: 83 Resp: 789748

Ion Ratio Lower Upper

83 100

55 77.6 63.4 95.2

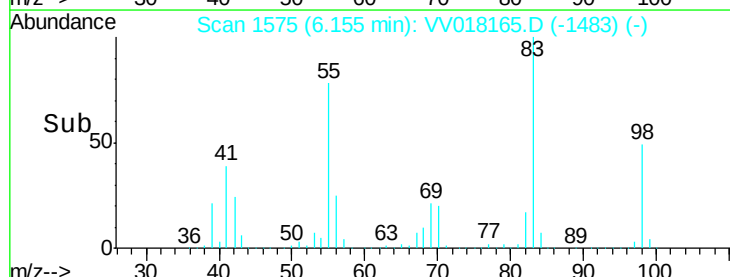
98 48.5 38.8 58.2



Abundance Ion 83.00 (82.70 to 83.70): VV0

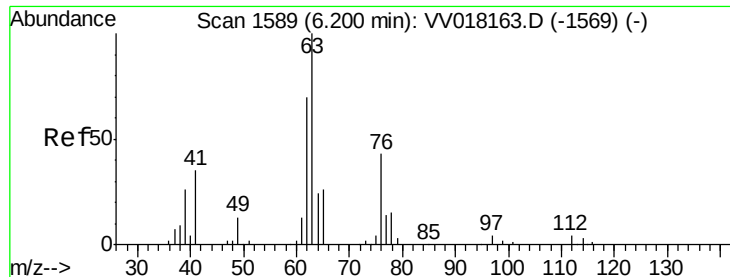
Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



Time-->

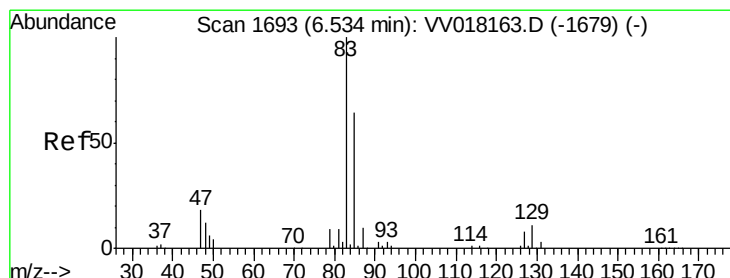
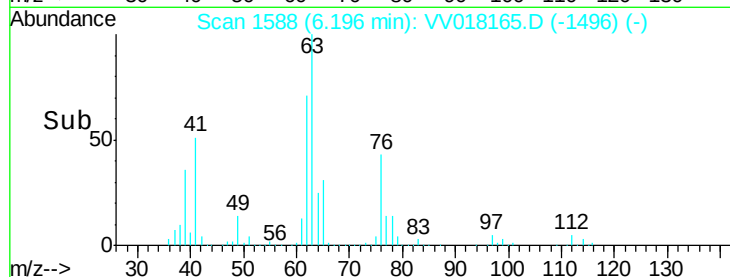
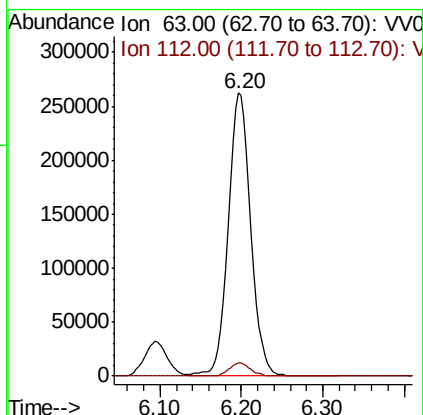
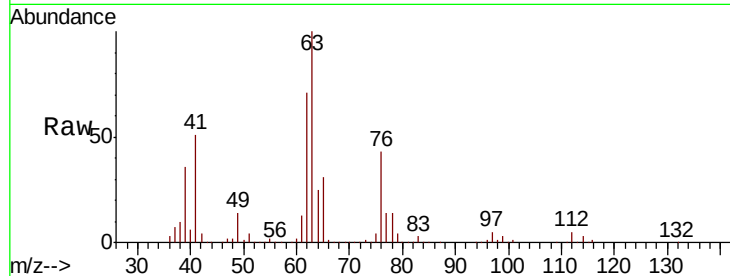
6.15



#37
 1,2-Dichloropropane
 Concen: 195.636 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

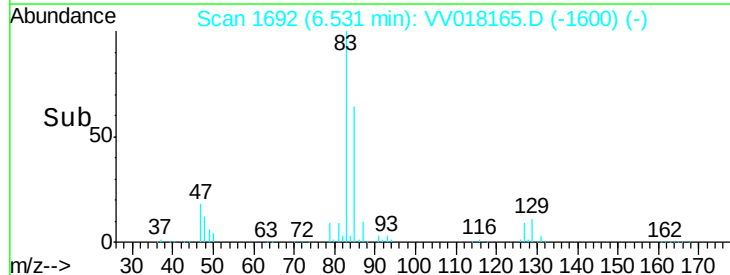
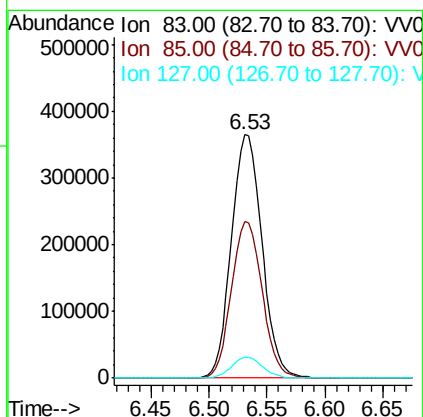
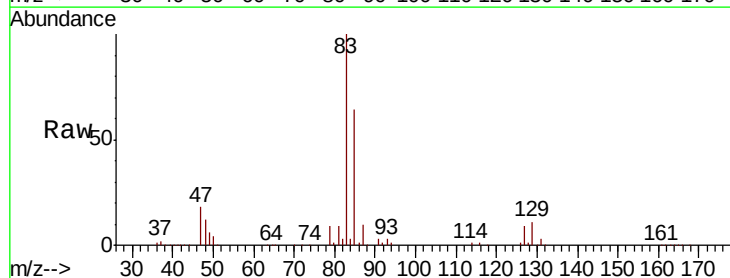
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20062

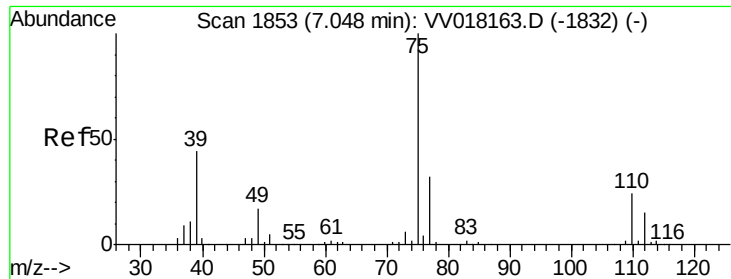
Tot Ion: 63 Resp: 508802
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 205.223 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

Tgt Ion: 83 Resp: 668563
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.7 82.9
 127 8.6 6.7 10.1

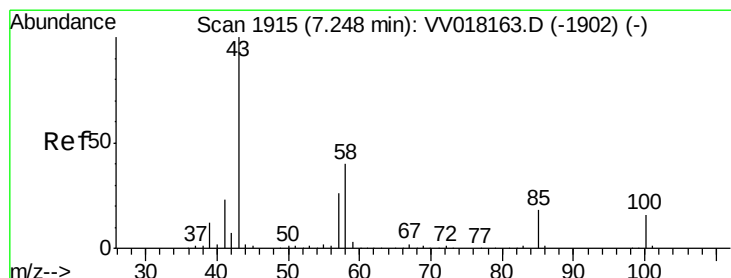
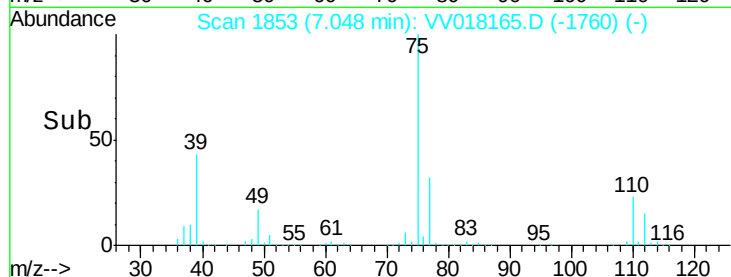
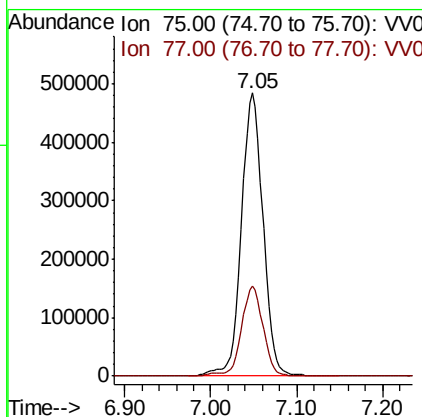
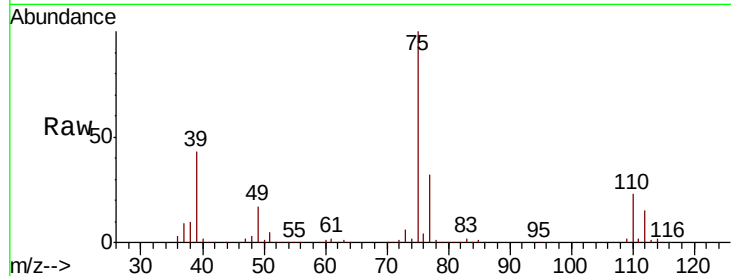




#39
 cis-1,3-Dichloropropene
 Concen: 227.108 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

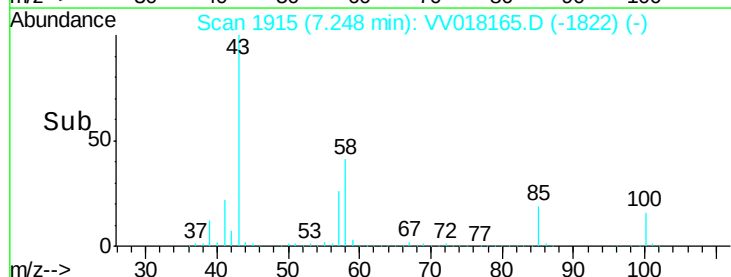
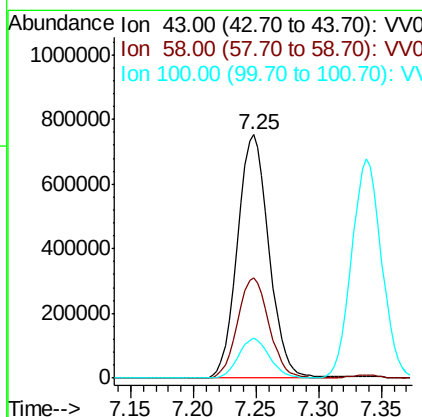
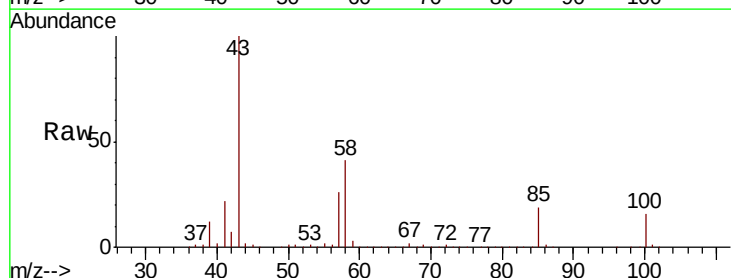
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20062

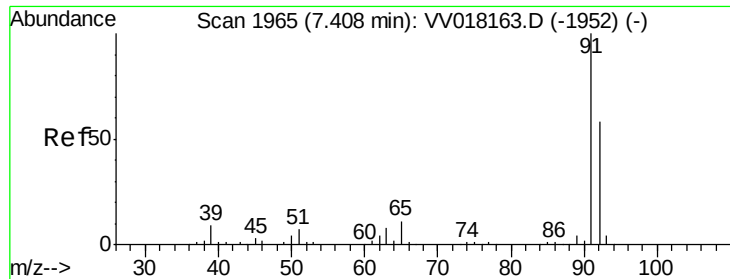
Tot Ion: 75 Resp: 848337
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 392.553 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

Tgt Ion: 43 Resp: 1312302
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.4 48.6
 100 16.3 12.7 19.1





#42

Toluene

Concen: 205.505 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

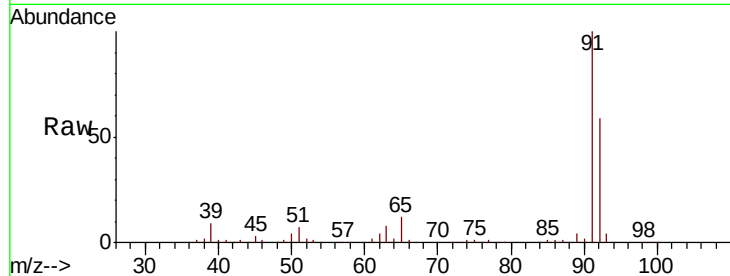
VSTD20062

Tot Ion: 91 Resp: 2065845

Ion Ratio Lower Upper

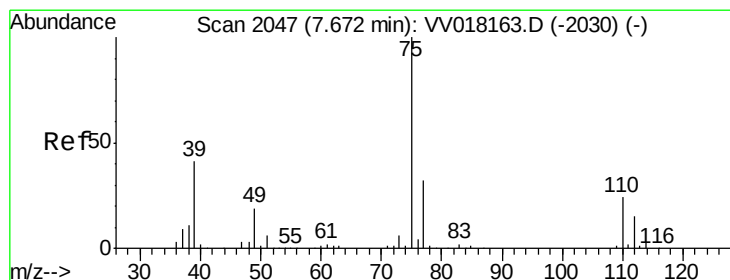
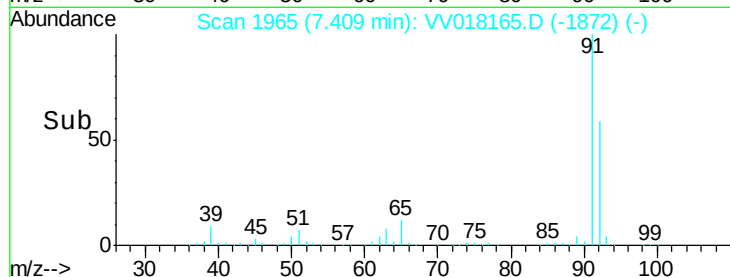
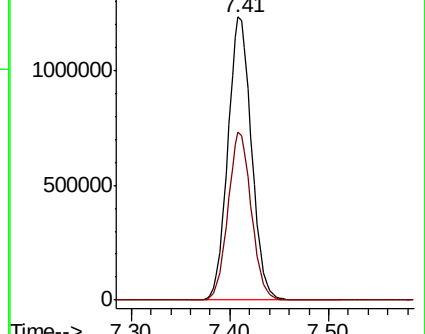
91 100

92 59.2 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 230.839 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018165.D

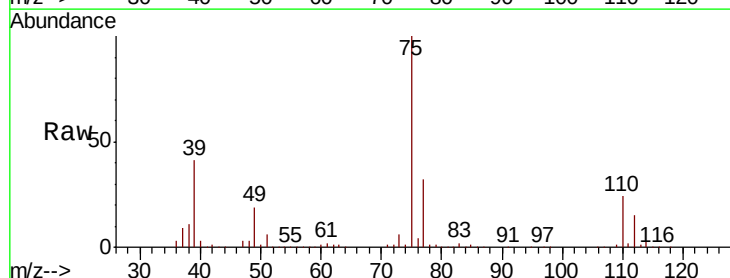
Acq: 09 Sep 2020 11:46

Tgt Ion: 75 Resp: 821238

Ion Ratio Lower Upper

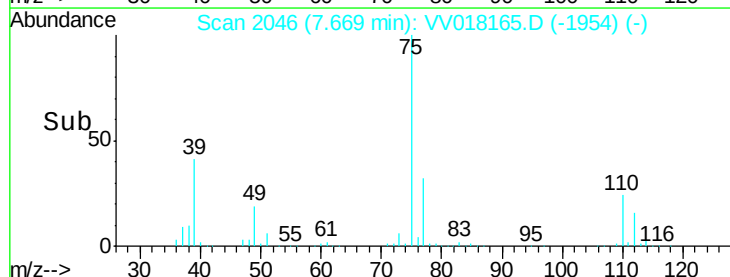
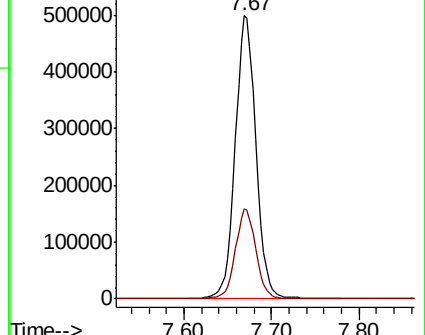
75 100

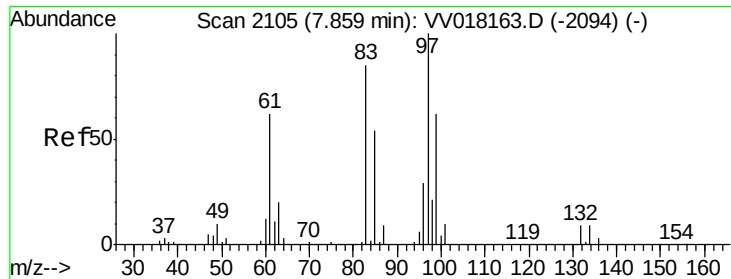
77 31.6 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

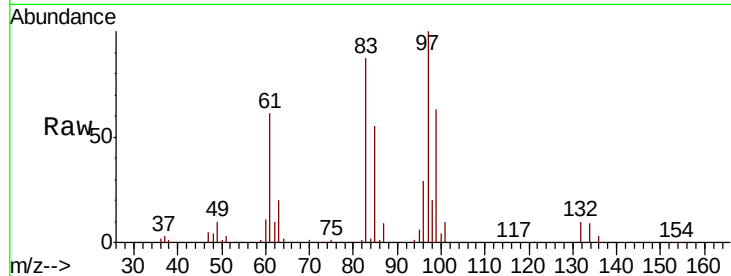




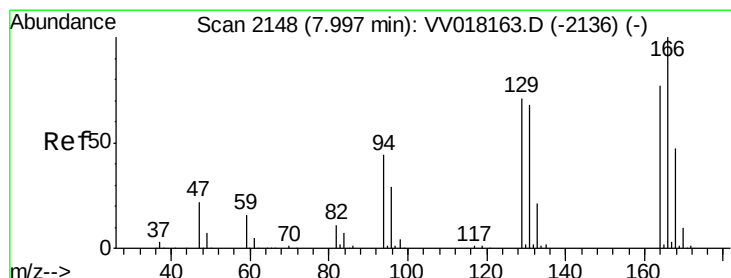
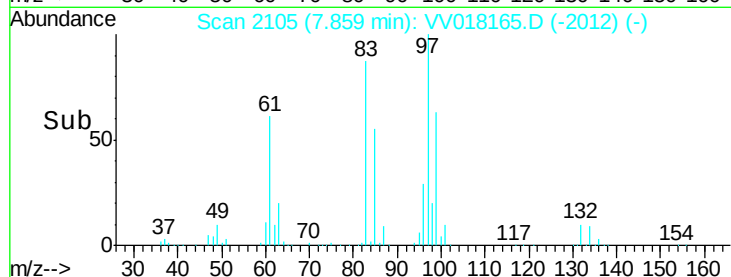
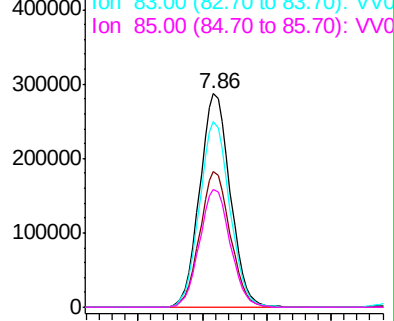
#45
 1,1,2-Trichloroethane
 Concen: 195.221 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tot Ion:	97	Resp:	471460
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.7	81.1
83	87.2	59.9	111.3
85	55.4	37.6	69.8

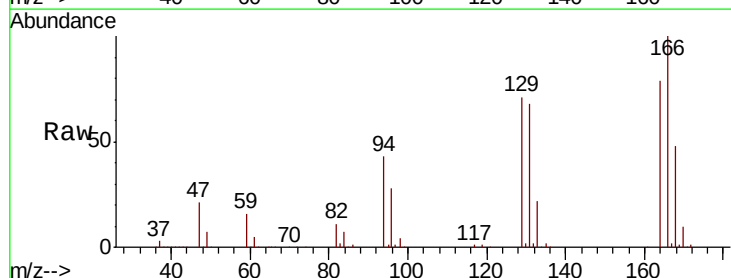


Abundance Ion 97.00 (96.70 to 97.70): VV018165.D (-2094) (-)

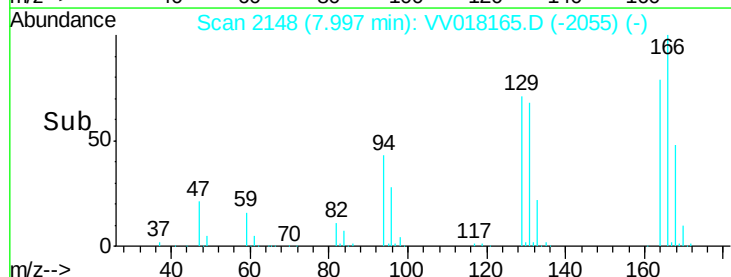
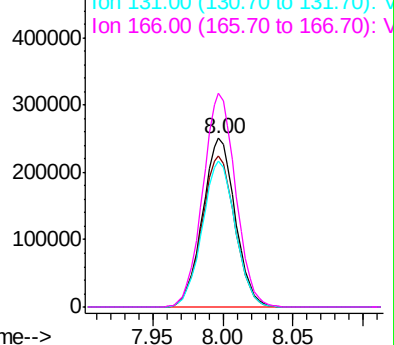


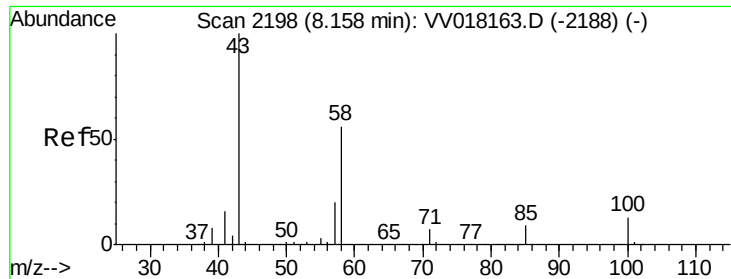
#46
 Tetrachloroethene
 Concen: 213.061 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

Tgt Ion:	164	Resp:	406056
Ion	Ratio	Lower	Upper
164	100		
129	89.6	64.5	119.7
131	86.5	61.8	114.8
166	126.8	90.6	168.2



Abundance Ion 164.00 (163.70 to 164.70): VV018165.D (-2094) (-)

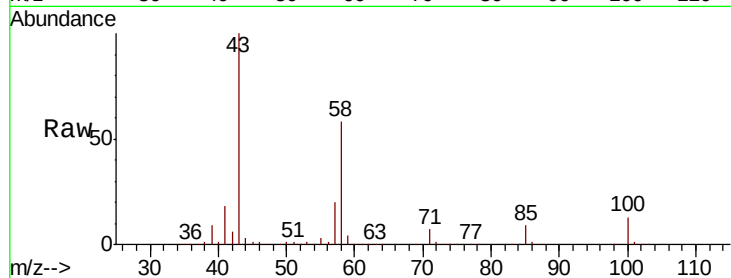




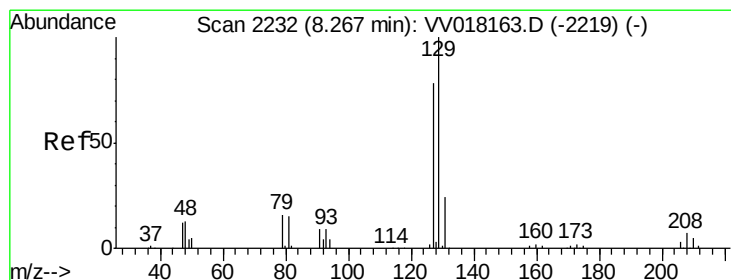
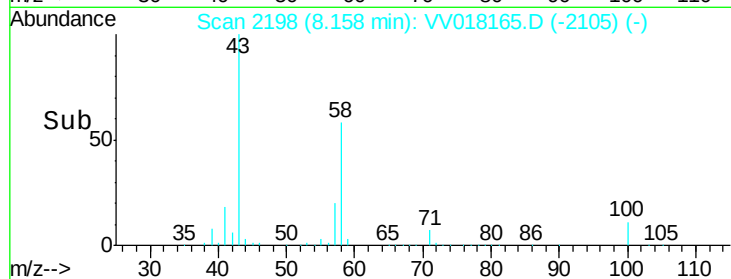
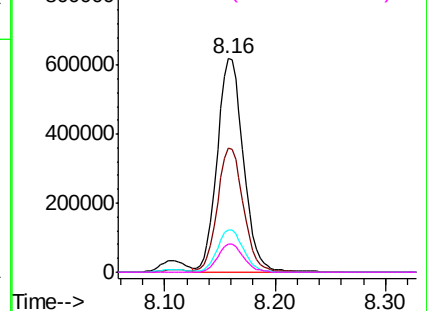
#48
2-Hexanone
Concen: 378.441 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tot Ion: 43 Resp: 1015288
Ion Ratio Lower Upper
43 100
58 57.7 44.8 67.2
57 20.0 15.8 23.6
100 13.1 10.2 15.4

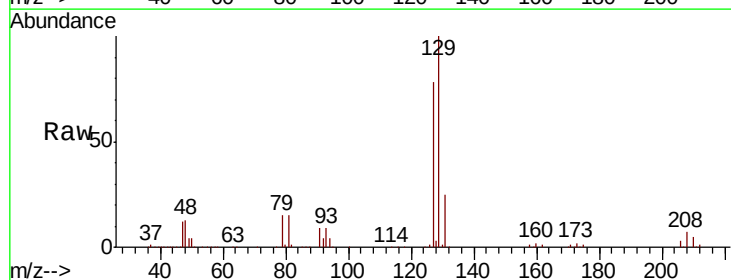


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

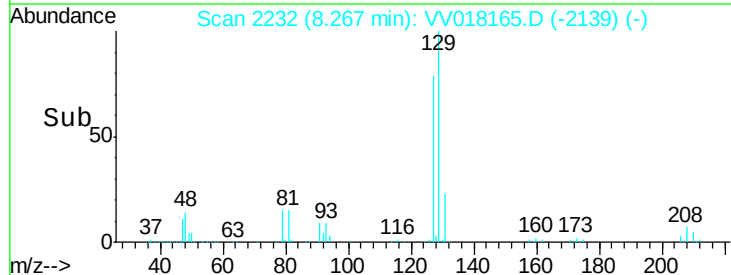
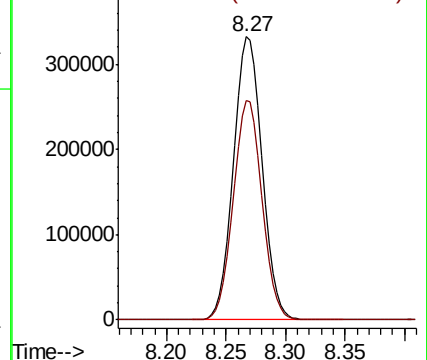


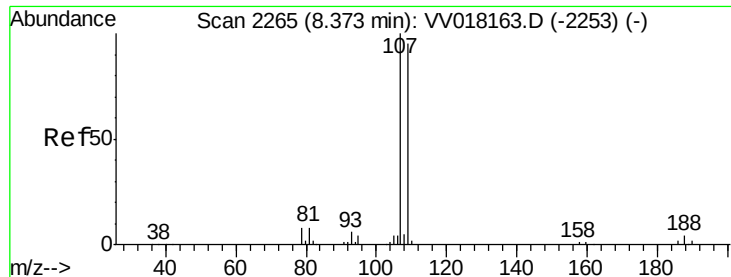
#49
Dibromochloromethane
Concen: 230.840 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

Tgt Ion: 129 Resp: 557224
Ion Ratio Lower Upper
129 100
127 77.7 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

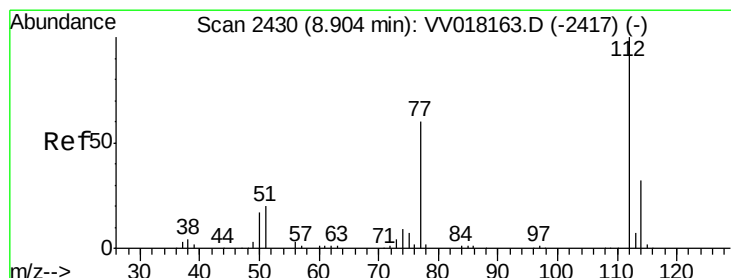
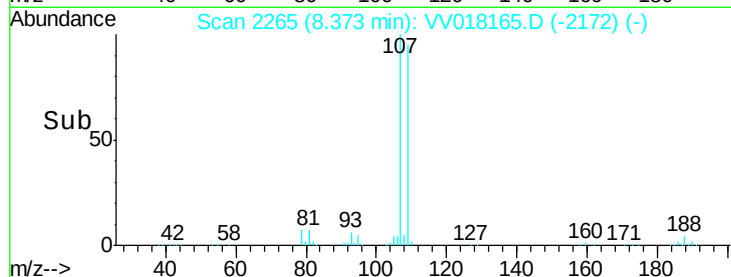
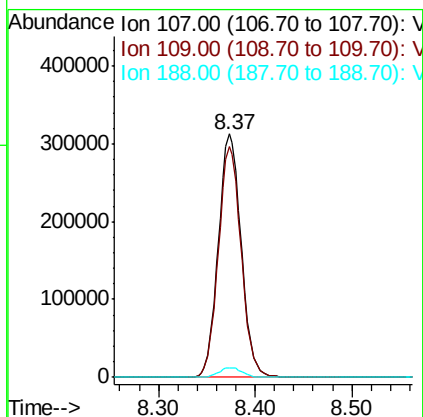
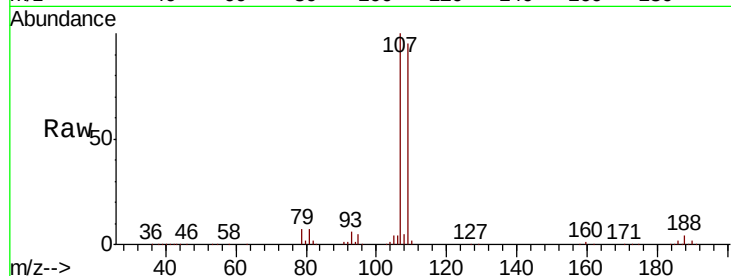




#50
1,2-Dibromoethane
Concen: 203.999 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

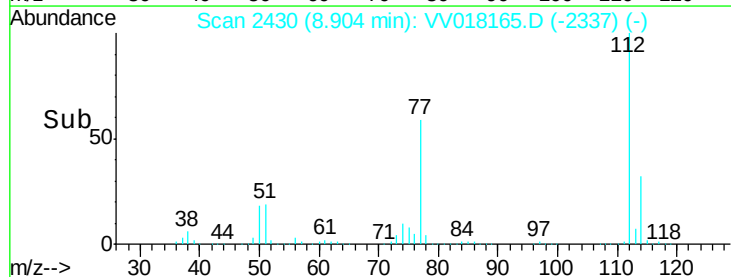
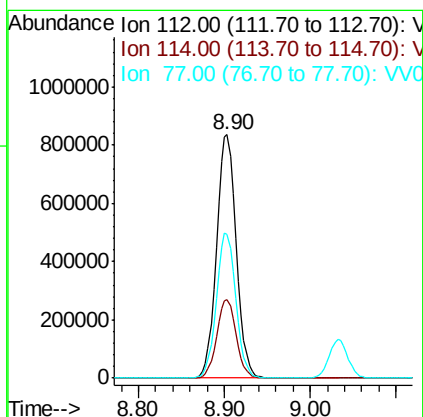
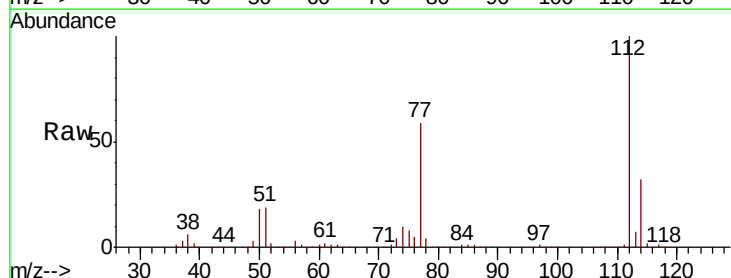
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

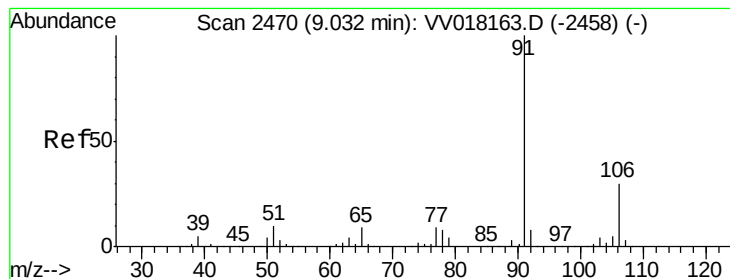
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	66.1	122.8
188	4.1	3.2	4.8



#51
Chlorobenzene
Concen: 204.765 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.6	42.0
77	59.1	48.0	72.0





#52

Ethylbenzene

Concen: 209.361 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

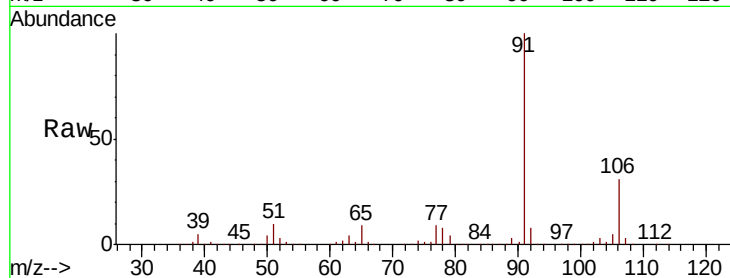
VSTD20062

Tot Ion: 91 Resp: 2298502

Ion Ratio Lower Upper

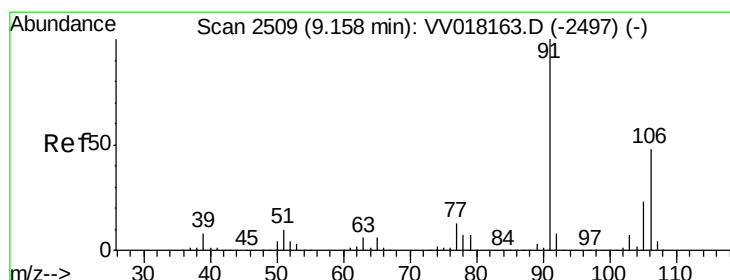
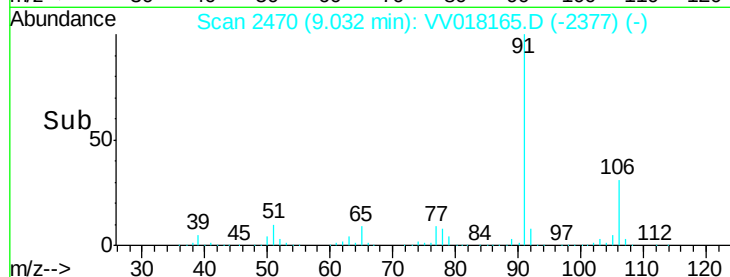
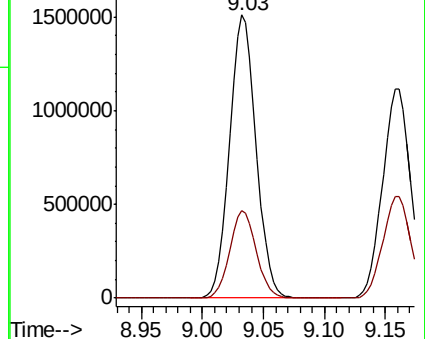
91 100

106 31.0 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018165.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018165.D (-2377) (-)



#53

m,p-Xylene

Concen: 215.012 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018165.D

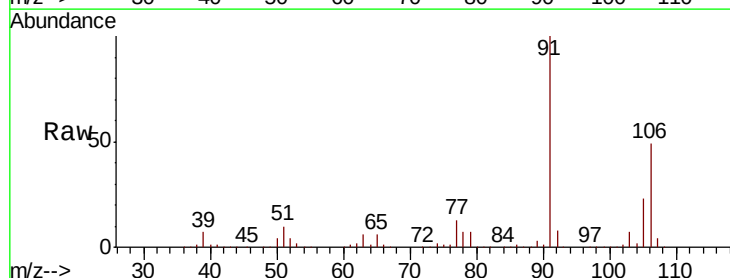
Acq: 09 Sep 2020 11:46

Tgt Ion: 106 Resp: 870108

Ion Ratio Lower Upper

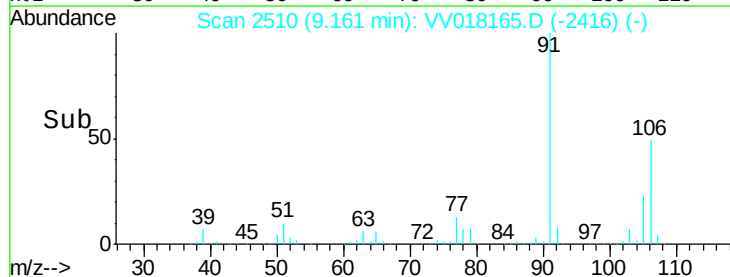
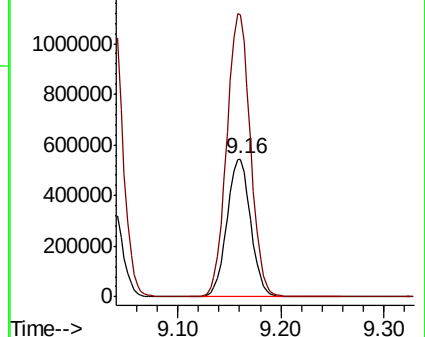
106 100

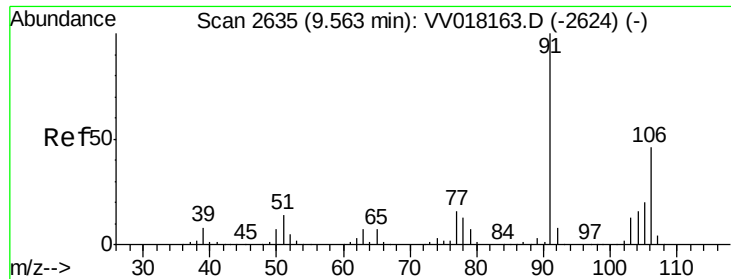
91 204.3 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018165.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018165.D (-2416) (-)

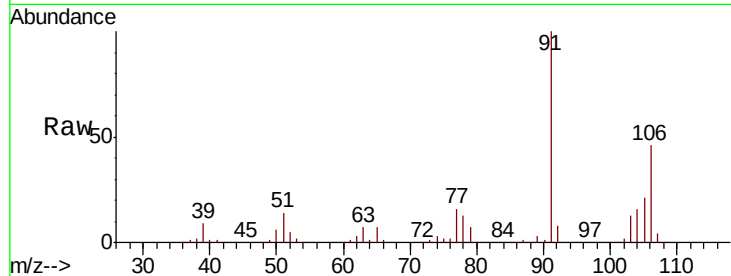




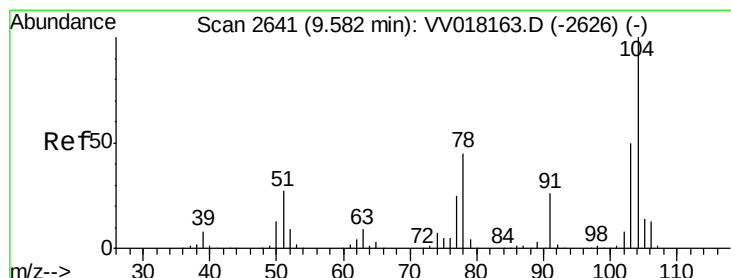
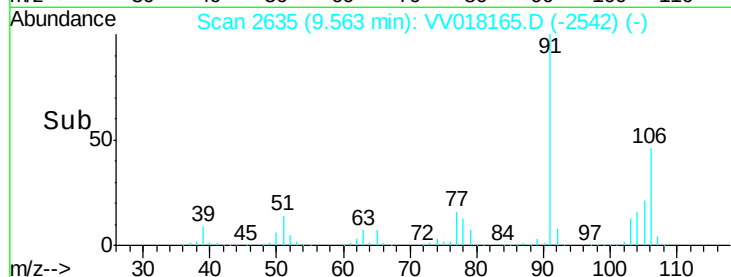
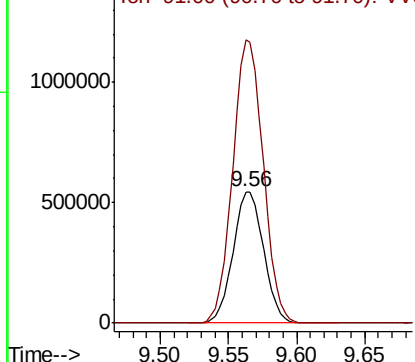
#54
o-xylene
Concen: 212.660 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tot Ion:106 Resp: 849622
Ion Ratio Lower Upper
106 100
91 215.1 152.2 282.6

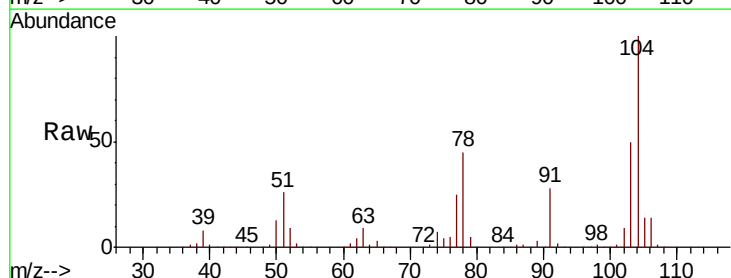


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

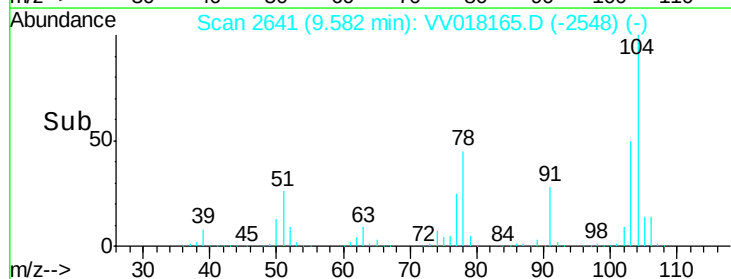
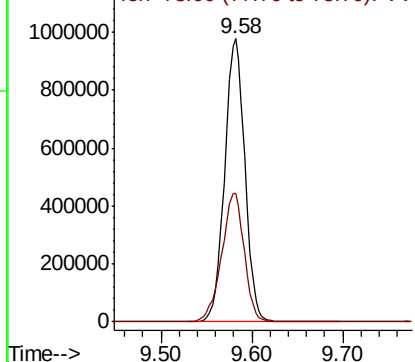


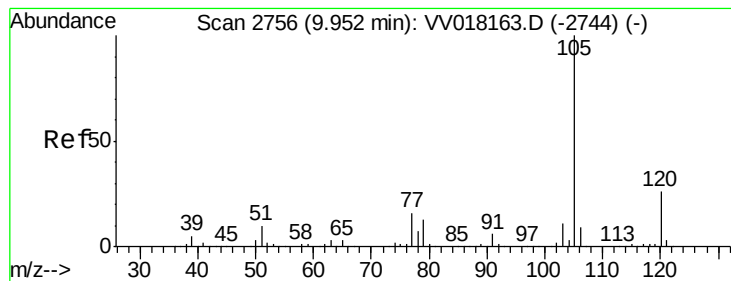
#55
Styrene
Concen: 221.131 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018165.D
Acq: 09 Sep 2020 11:46

Tgt Ion:104 Resp: 1509608
Ion Ratio Lower Upper
104 100
78 45.2 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 212.766 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

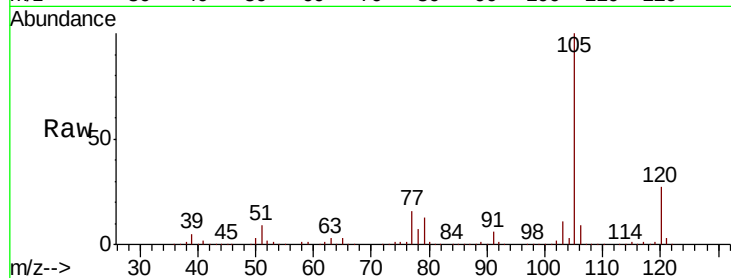
Tot Ion:105 Resp: 2249719

Ion Ratio Lower Upper

105 100

120 26.6 20.9 31.3

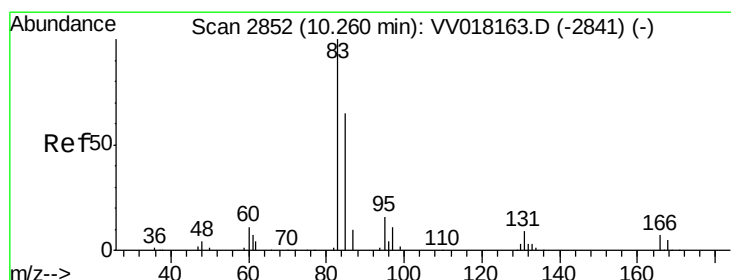
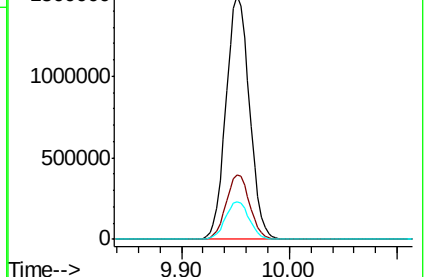
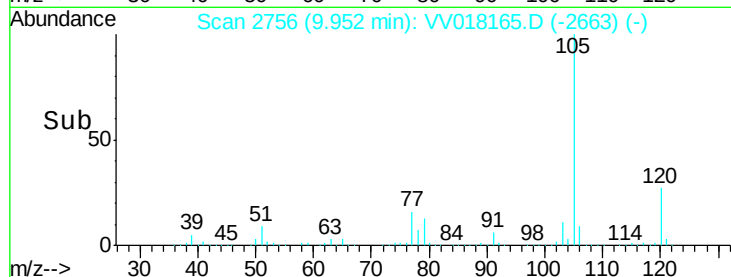
77 15.7 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 201.431 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

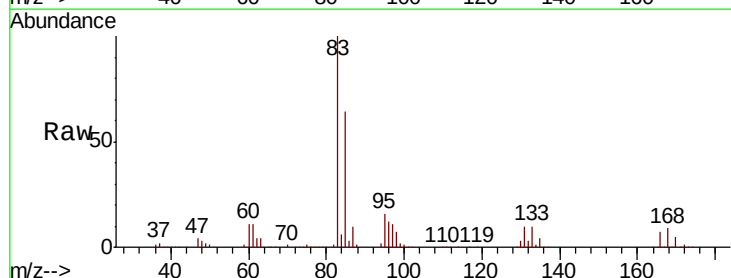
Tgt Ion: 83 Resp: 749181

Ion Ratio Lower Upper

83 100

85 64.1 45.8 85.2

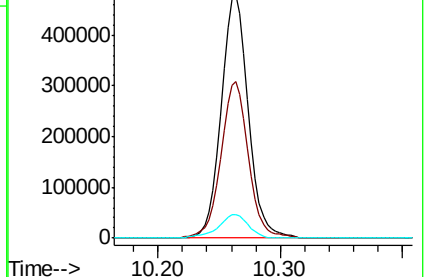
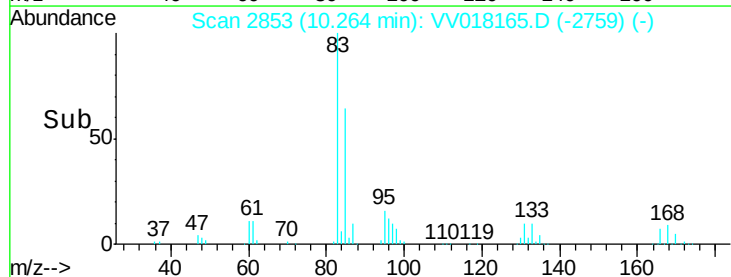
131 9.9 8.0 12.0

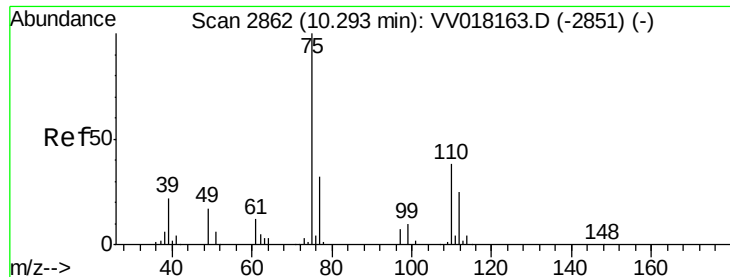


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 189.018 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

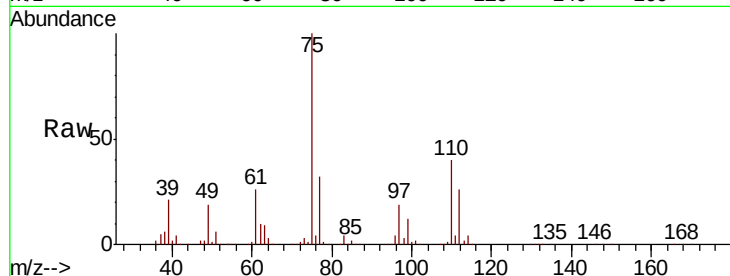
VSTD20062

Tot Ion: 75 Resp: 601660

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018163.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV018163.D (-2851) (-)

10.30

400000

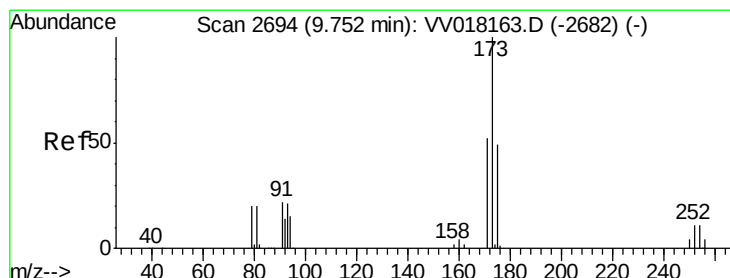
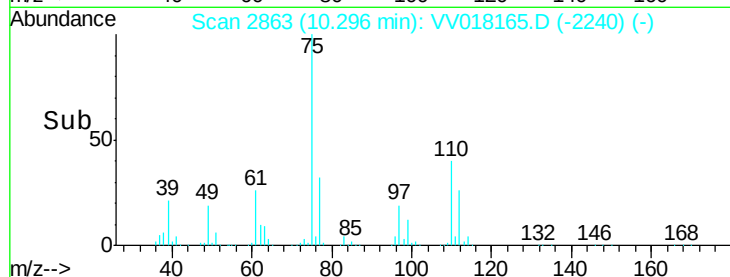
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 247.270 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

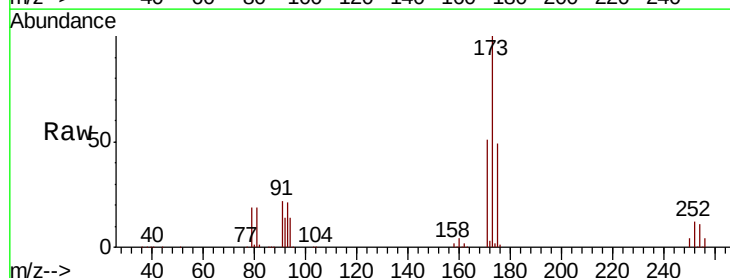
Tgt Ion: 173 Resp: 427593

Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.6

254 11.4 9.0 13.4



Abundance Ion 173.00 (172.70 to 173.70): VV018163.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018163.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018163.D (-2682) (-)

9.75

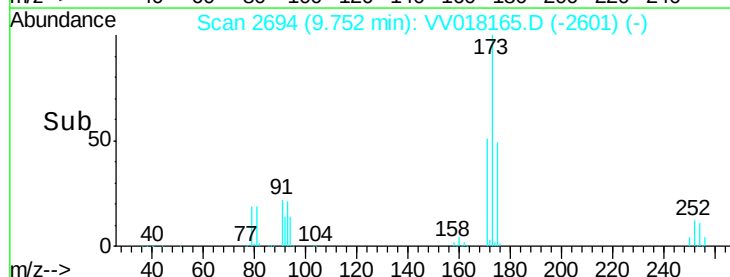
300000

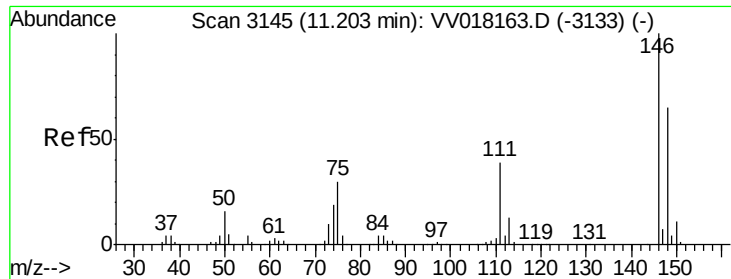
200000

100000

0

Time--> 9.65 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 198.862 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

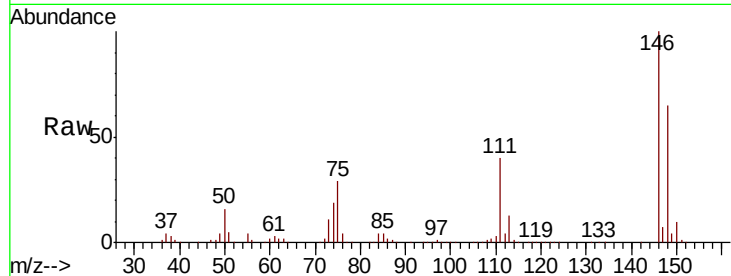
MSVOA_V

ClientSampleId :

VSTD20062

Tot Ion:146 Resp: 1116017

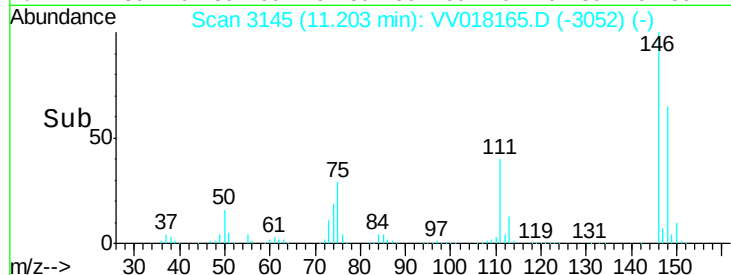
Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.6	51.2
148	64.5	45.4	84.2



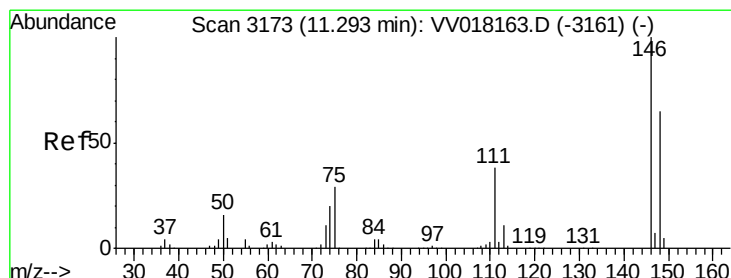
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#63

1,4-Dichlorobenzene

Concen: 198.065 ug/L

RT: 11.30 min Scan# 3174

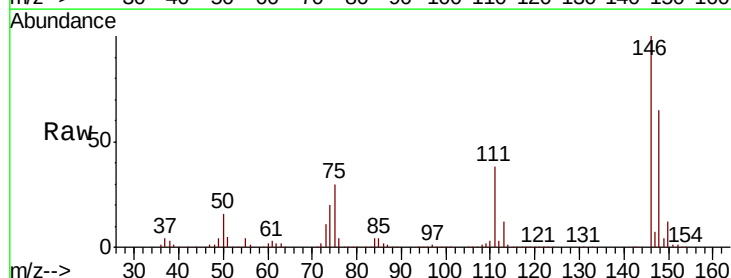
Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Tgt Ion:146 Resp: 1142292

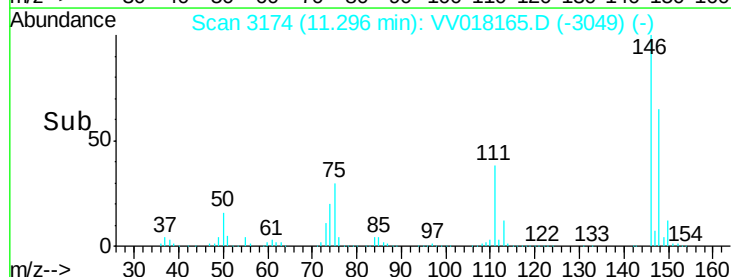
Ion	Ratio	Lower	Upper
146	100		
111	38.0	27.1	50.3
148	64.7	45.4	84.2



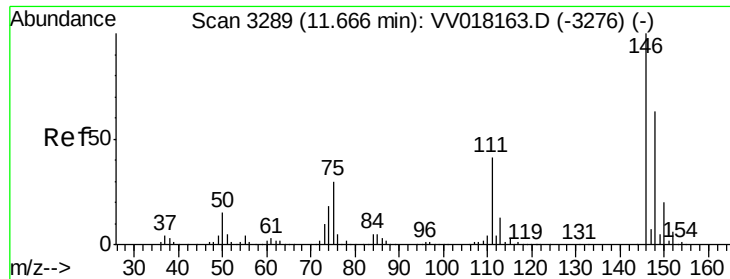
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



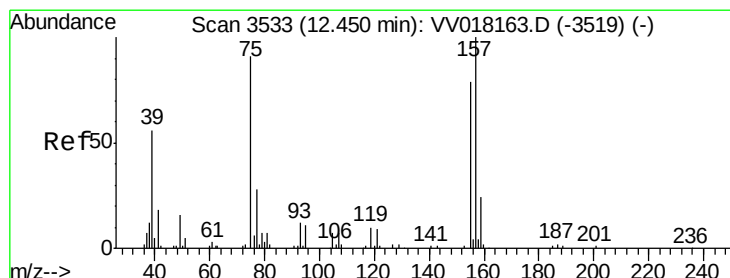
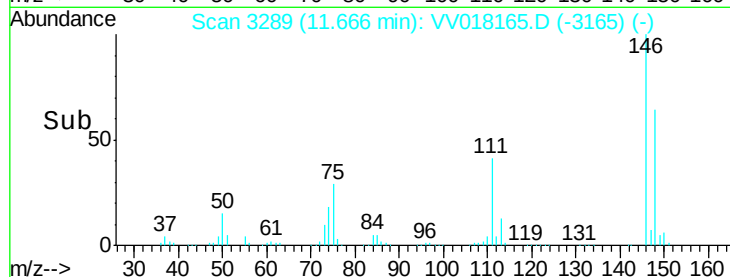
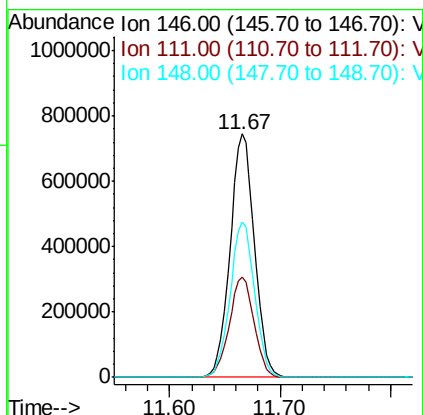
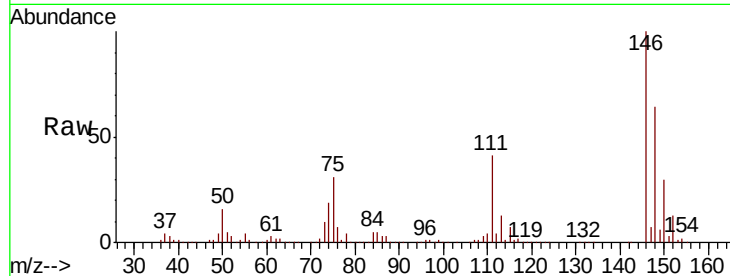
Time-->



#65
 1,2-Dichlorobenzene
 Concen: 198.077 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

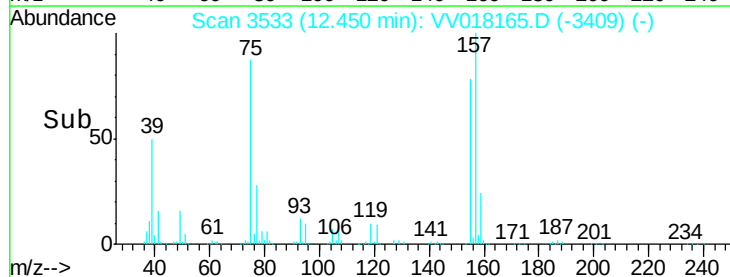
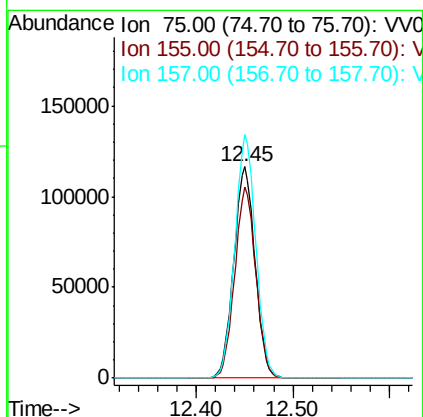
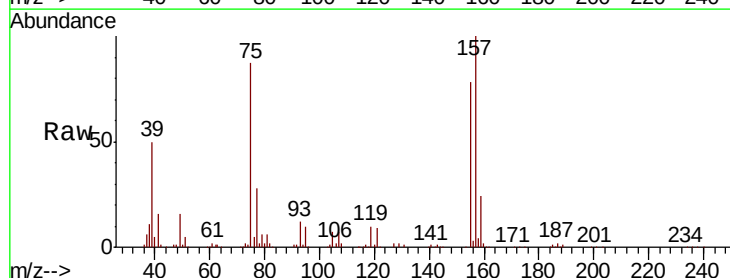
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

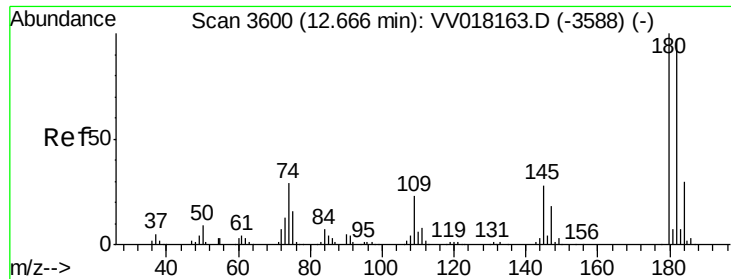
Tot Ion:146 Resp: 1137667
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.8 49.2
 148 64.0 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 215.613 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

Tgt Ion: 75 Resp: 178161
 Ion Ratio Lower Upper
 75 100
 155 90.3 69.7 104.5
 157 115.2 88.2 132.4

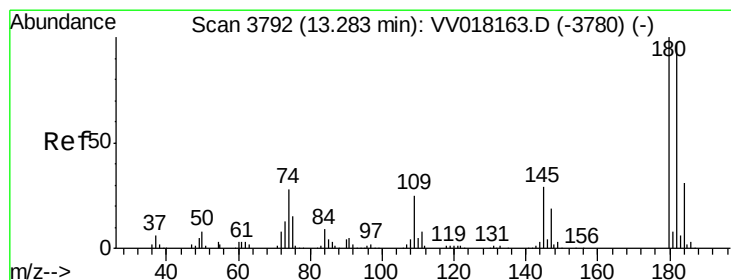
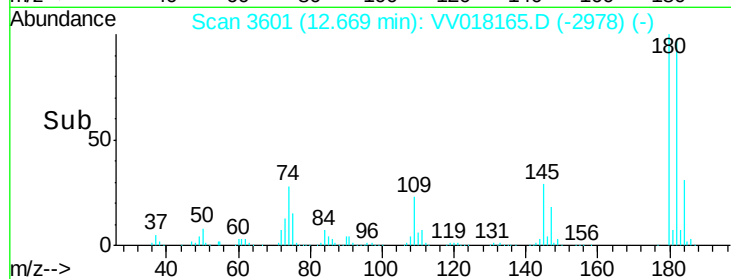
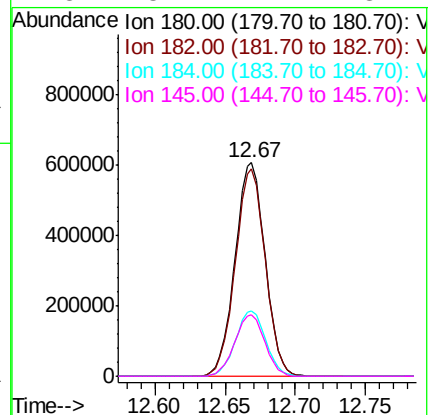
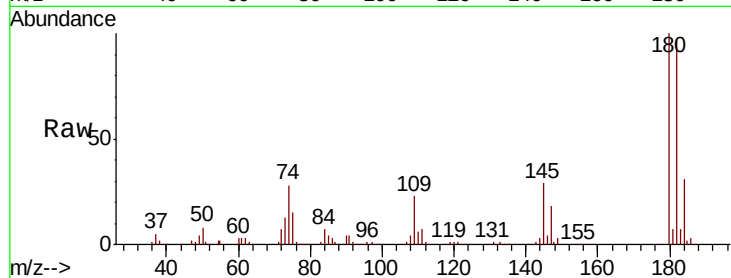




#67
 1,3,5-Trichlorobenzene
 Concen: 210.699 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

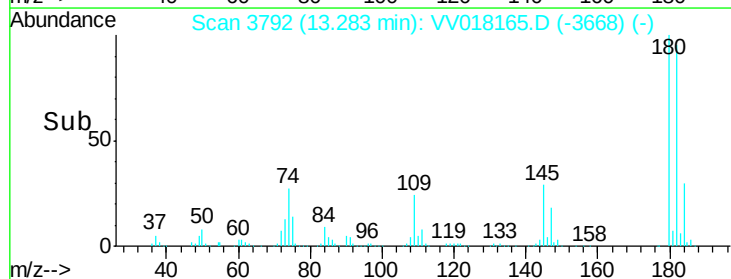
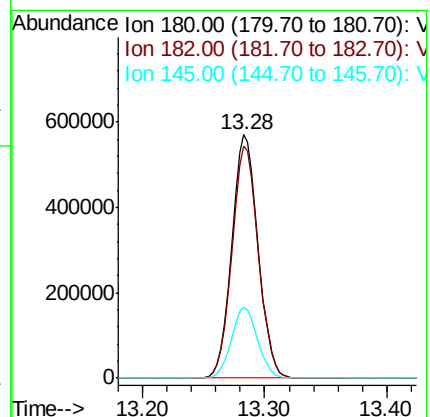
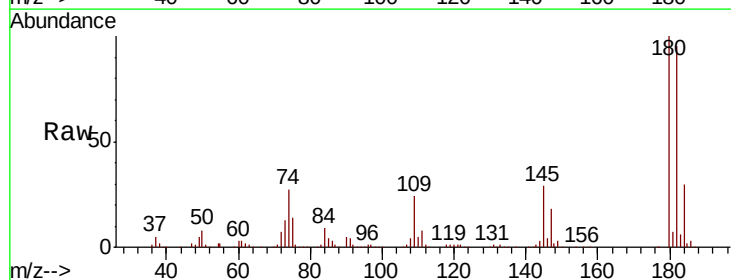
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

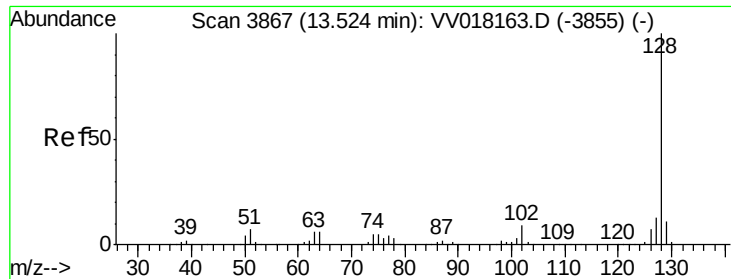
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.8	115.2
184	30.7	24.6	36.8
145	28.7	22.7	34.1



#68
 1,2,4-trichlorobenzene
 Concen: 226.845 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018165.D
 Acq: 09 Sep 2020 11:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
145	29.2	23.2	34.8





#69

Naphthalene

Concen: 232.823 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

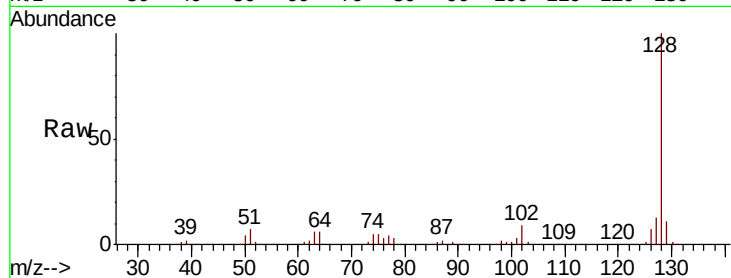
Tot Ion:128 Resp: 2370554

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

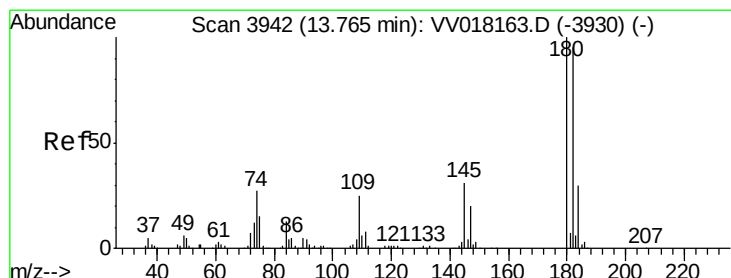
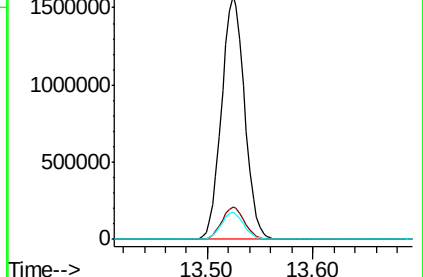
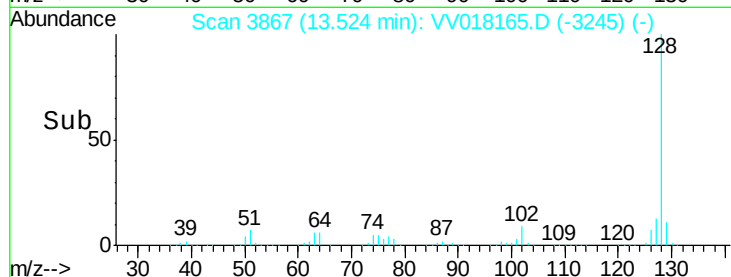
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 216.426 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018165.D

Acq: 09 Sep 2020 11:46

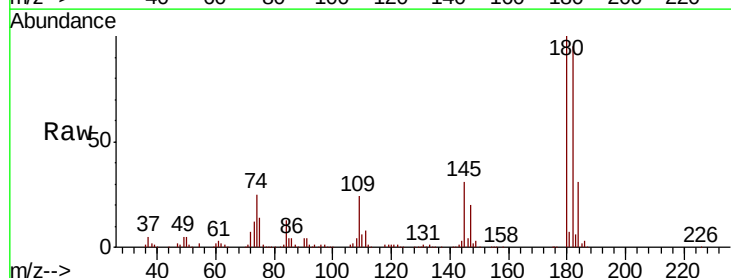
Tgt Ion:180 Resp: 827132

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 31.2 24.9 37.3



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

