

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121020\
 Data File : VV019511.D
 Acq On : 10 Dec 2020 15:14
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Quant Time: Dec 10 15:35:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 14:54:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	750857	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	696868	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	341492	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	281843	58.76	ug/L	0.00
7) Chloroethane-d5	1.57	69	221599	58.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.11	63	521996	56.93	ug/L	0.00
21) 2-Butanone-d5	3.89	46	301198	114.26	ug/L	0.00
24) Chloroform-d	4.35	84	498391	57.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.03	65	327006	57.62	ug/L	0.00
32) Benzene-d6	5.05	84	960866	57.81	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.07	67	303899	58.51	ug/L	0.00
41) Toluene-d8	7.32	98	870470	58.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.62	79	169598	57.11	ug/L	0.00
47) 2-Hexanone-d5	8.09	63	227543	110.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.22	84	391754	54.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.63	152	322148	56.19	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	323064	53.982	ug/L	100
3) Chloromethane	1.24	50	327150	50.700	ug/L	100
5) Vinyl chloride	1.32	62	335147	51.996	ug/L	99
6) Bromomethane	1.52	94	204063	52.940	ug/L	99
8) Chloroethane	1.59	64	200962	51.644	ug/L	100
9) Trichlorofluoromethane	1.76	101	421064	53.644	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	234149	54.515	ug/L	99
12) 1,1-Dichloroethene	2.12	96	230287	51.508	ug/L #	83
13) Acetone	2.19	43	238155	94.316	ug/L	99
14) Carbon disulfide	2.30	76	774819	52.989	ug/L	100
15) Methyl Acetate	2.43	43	273738	49.889	ug/L	100
16) Methylene chloride	2.51	84	262224	49.969	ug/L	99
17) trans-1,2-Dichloroethene	2.76	96	254370	51.978	ug/L	98
18) Methyl tert-butyl Ether	2.77	73	872697	50.876	ug/L	100
19) 1,1-Dichloroethane	3.19	63	480822	50.507	ug/L	99
20) cis-1,2-Dichloroethene	3.91	96	276750	51.345	ug/L #	99
22) 2-Butanone	3.97	43	373784	100.584	ug/L	100
23) Bromochloromethane	4.25	128	135774	51.197	ug/L	97
25) Chloroform	4.38	83	482441	50.827	ug/L	99
27) 1,2-Dichloroethane	5.13	62	396964	50.277	ug/L	99
29) Cyclohexane	4.68	56	455312	53.870	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	447047	51.221	ug/L	99
31) Carbon tetrachloride	4.83	117	383296	52.187	ug/L	98
33) Benzene	5.10	78	1034921	50.826	ug/L	100
34) Trichloroethene	5.92	95	273323	50.842	ug/L	99
35) Methylcyclohexane	6.13	83	437707	54.250	ug/L	99
37) 1,2-Dichloropropane	6.17	63	272559	51.232	ug/L	100
38) Bromodichloromethane	6.51	83	376600	50.680	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	449997	50.717	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	763293	98.585	ug/L	99

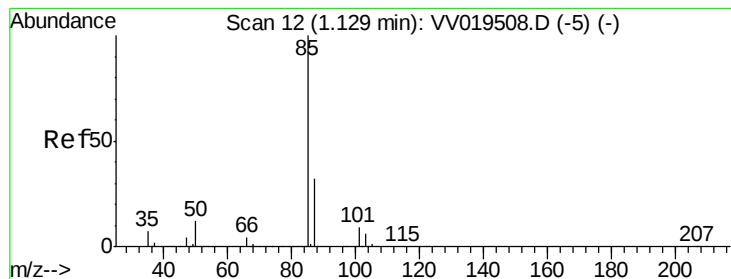
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121020\
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 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 14:54:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.39	91	1101934	51.350	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	453593	50.700	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	253390	50.163	ug/L	99
46) Tetrachloroethene	7.98	164	194635	52.542	ug/L	98
48) 2-Hexanone	8.14	43	575160	98.079	ug/L	99
49) Dibromochloromethane	8.25	129	282945	51.204	ug/L	99
50) 1,2-Dibromoethane	8.35	107	271890	51.076	ug/L	99
51) Chlorobenzene	8.88	112	698424	50.985	ug/L	99
52) Ethylbenzene	9.01	91	1259148	51.517	ug/L	100
53) m,p-Xylene	9.14	106	475633	52.229	ug/L	99
54) o-xylene	9.55	106	460628	51.462	ug/L	98
55) Styrene	9.56	104	809061	51.882	ug/L	99
56) Isopropylbenzene	9.93	105	1241066	52.109	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.24	83	401461	49.245	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	328329	49.368	ug/L	99
61) Bromoform	9.73	173	190688	50.319	ug/L	99
62) 1,3-Dichlorobenzene	11.18	146	537400	51.401	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	543201	51.272	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	530369	51.279	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	106863	49.099	ug/L	93
67) 1,3,5-Trichlorobenzene	12.65	180	384381	52.071	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	361628	52.488	ug/L	99
69) Naphthalene	13.50	128	1249971	51.814	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	351530	52.043	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 53.982 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

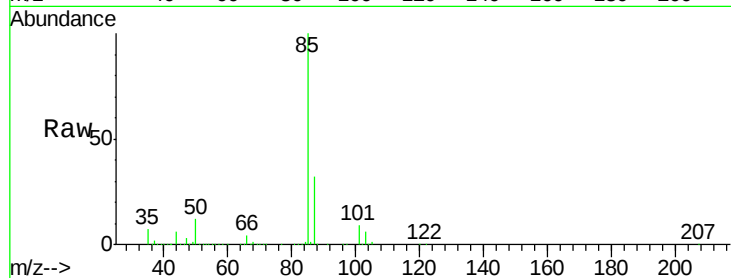
VSTD05062

Tgt Ion: 85 Resp: 323064

Ion Ratio Lower Upper

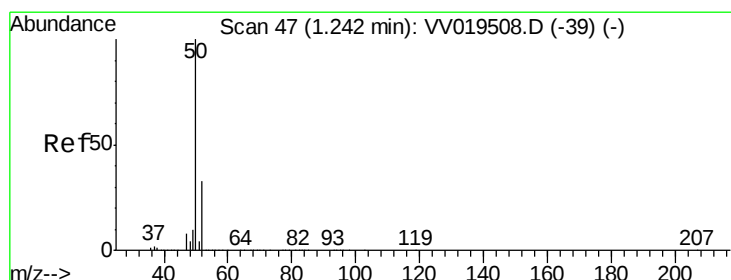
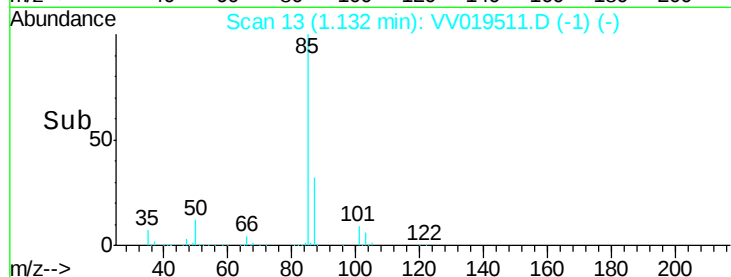
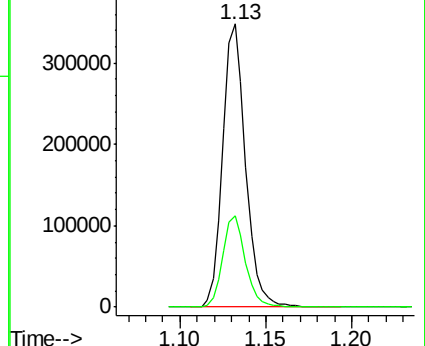
85 100

87 31.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019511.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019511.D (-1) (-)



#3

Chloromethane

Concen: 50.700 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019511.D

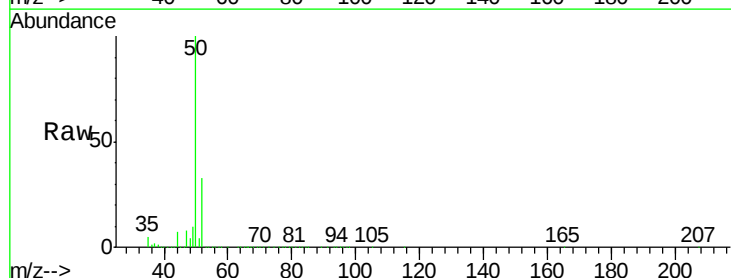
Acq: 10 Dec 2020 15:14

Tgt Ion: 50 Resp: 327150

Ion Ratio Lower Upper

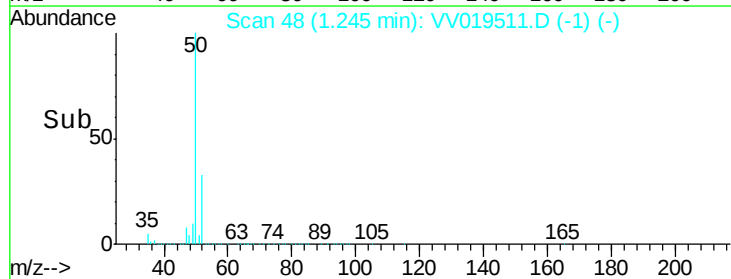
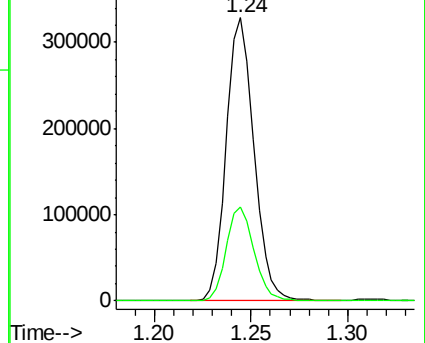
50 100

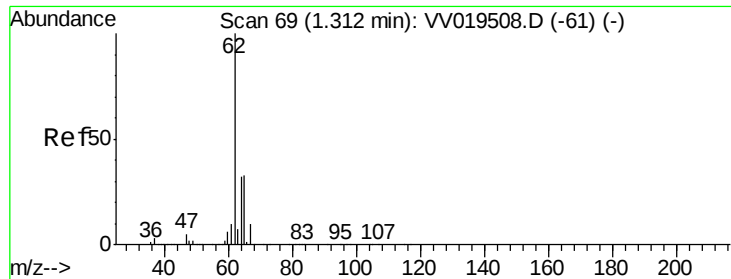
52 33.3 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019511.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019511.D (-1) (-)





#5

Vinyl chloride

Concen: 51.996 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

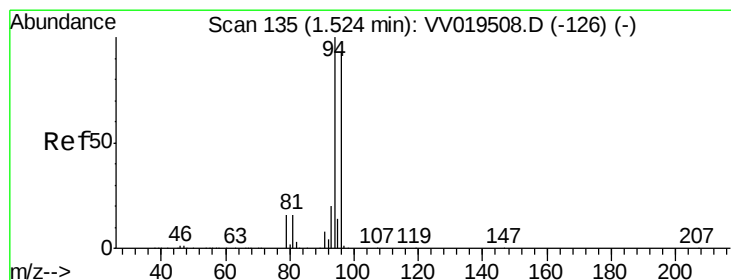
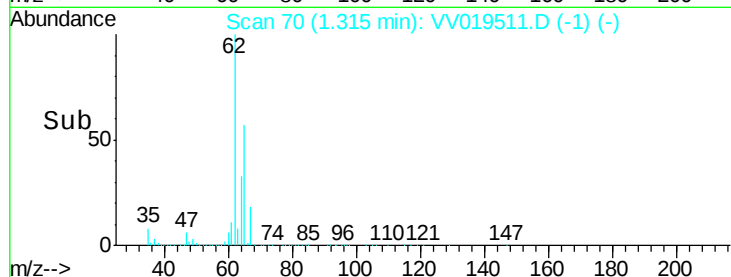
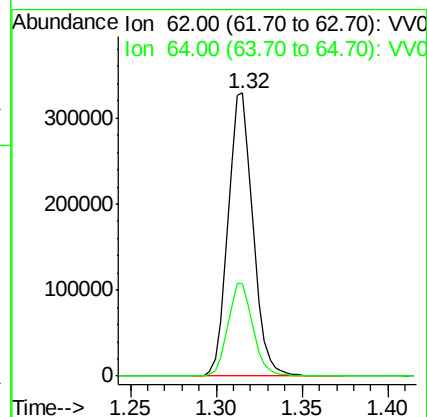
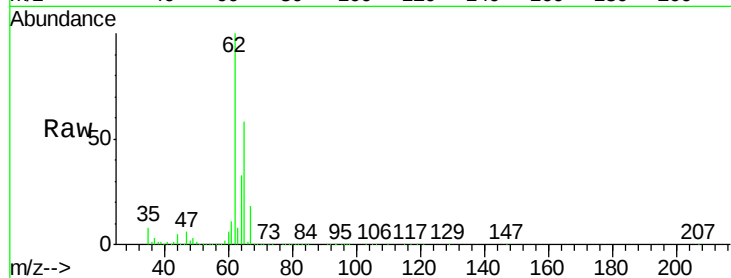
VSTD05062

Tgt Ion: 62 Resp: 335147

Ion Ratio Lower Upper

62 100

64 32.7 22.5 41.7



#6

Bromomethane

Concen: 52.940 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019511.D

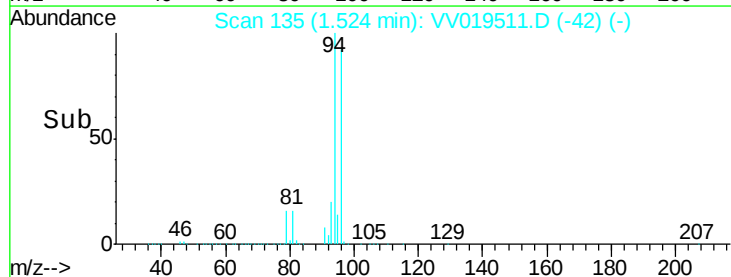
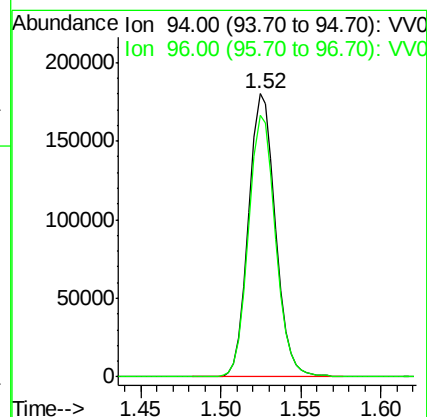
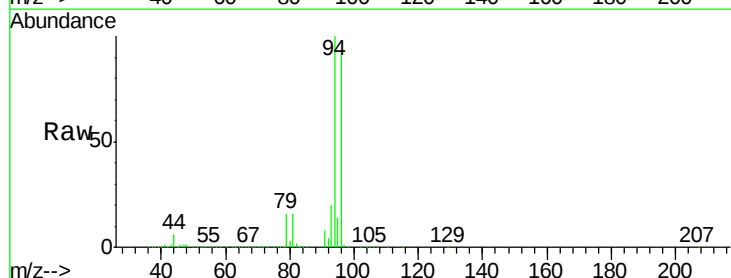
Acq: 10 Dec 2020 15:14

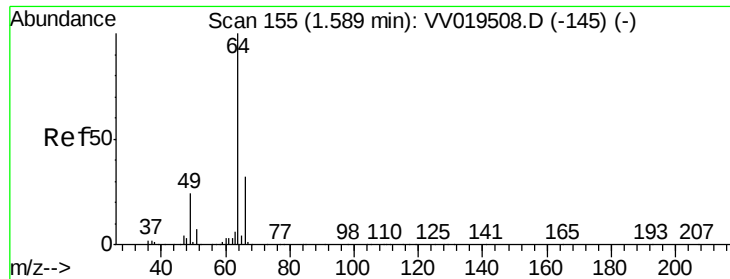
Tgt Ion: 94 Resp: 204063

Ion Ratio Lower Upper

94 100

96 92.5 65.2 121.2





#8

Chloroethane

Concen: 51.644 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

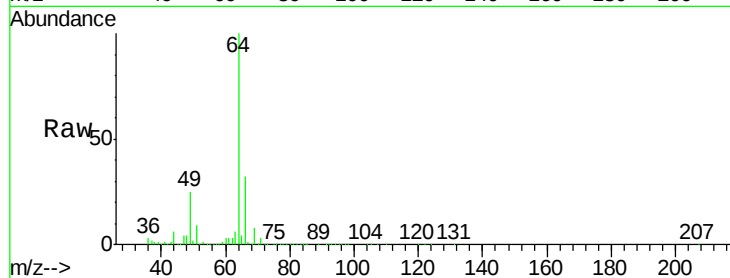
VSTD05062

Tgt Ion: 64 Resp: 200962

Ion Ratio Lower Upper

64 100

66 32.3 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019511.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV019511.D (-145) (-)

1.59

200000

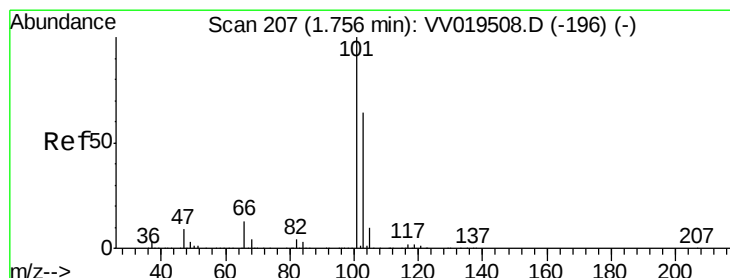
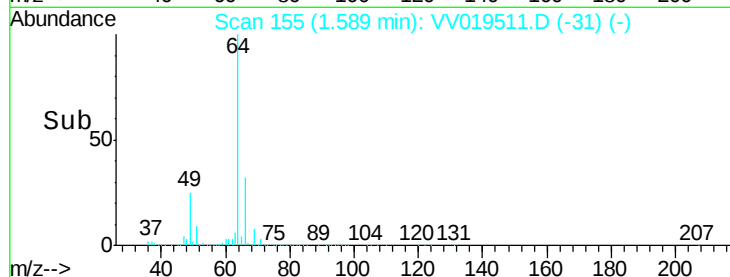
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 53.644 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV019511.D

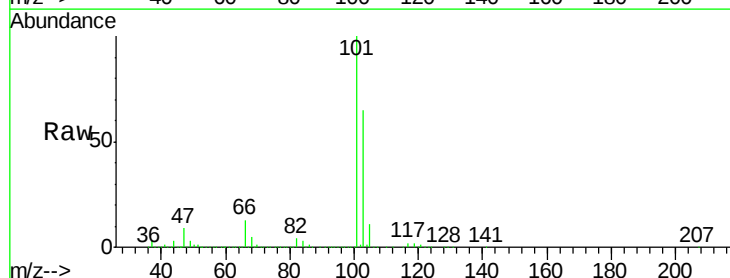
Acq: 10 Dec 2020 15:14

Tgt Ion: 101 Resp: 421064

Ion Ratio Lower Upper

101 100

103 64.6 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019511.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019511.D (-196) (-)

1.76

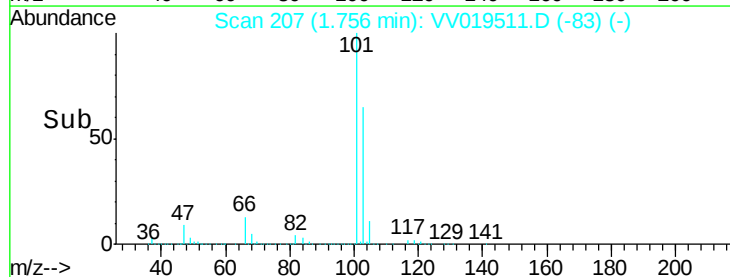
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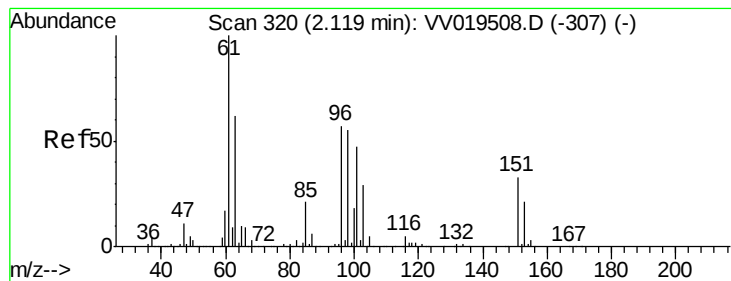
200000

100000

0

Time-->





#10

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

Concen: 54.515 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

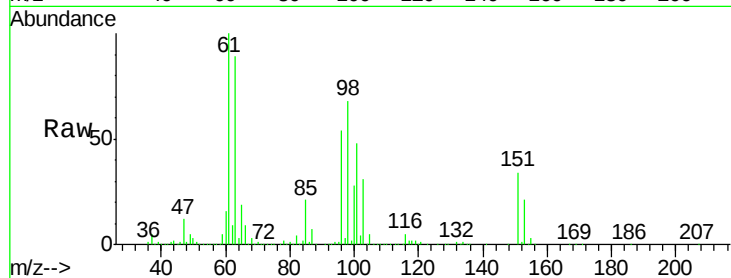
Tgt Ion:101 Resp: 234149

Ion Ratio Lower Upper

101 100

85 44.0 35.0 52.4

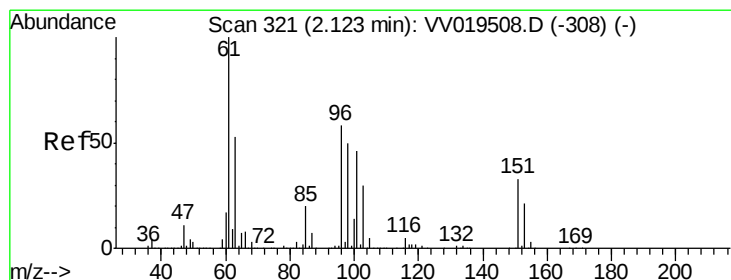
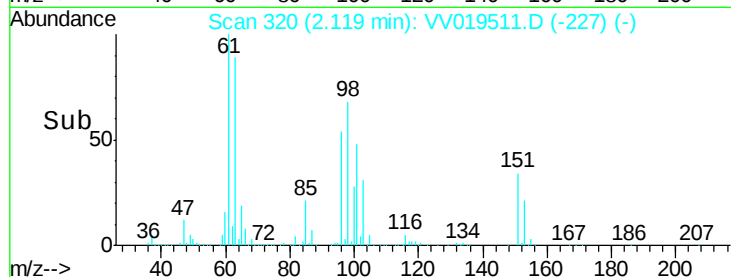
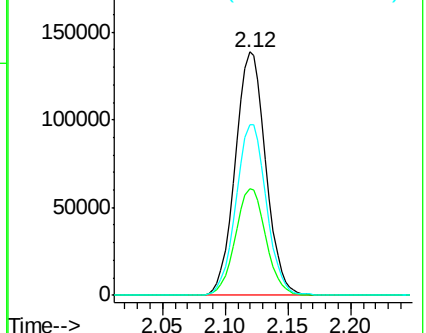
151 70.3 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019511.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019511.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019511.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 51.508 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

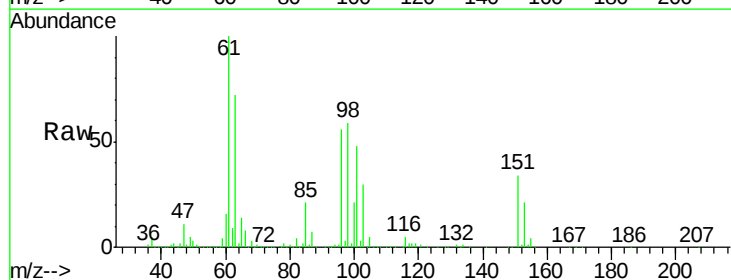
Tgt Ion: 96 Resp: 230287

Ion Ratio Lower Upper

96 100

61 179.5 120.7 224.1

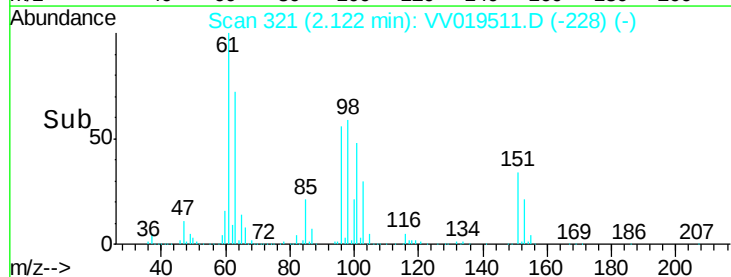
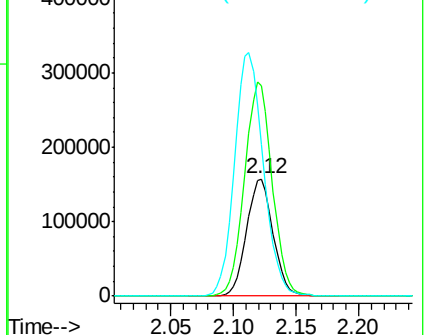
63 128.7 64.3 119.5#

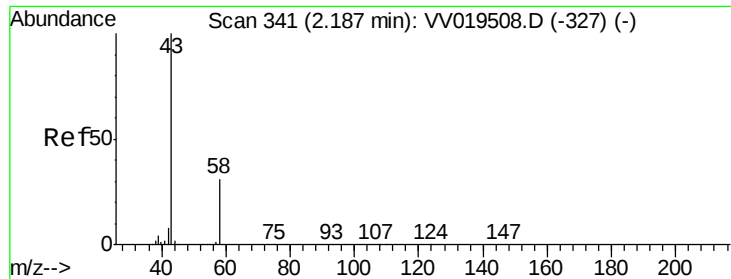


Abundance Ion 96.00 (95.70 to 96.70): VV019511.D (-228) (-)

Ion 61.00 (60.70 to 61.70): VV019511.D (-228) (-)

Ion 63.00 (62.70 to 63.70): VV019511.D (-228) (-)





#13

Acetone

Concen: 94.316 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampled :

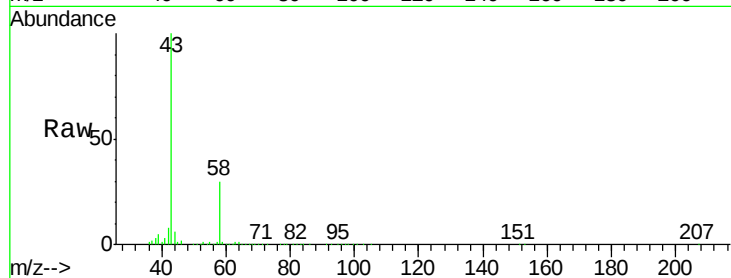
VSTD05062

Tgt Ion: 43 Resp: 238155

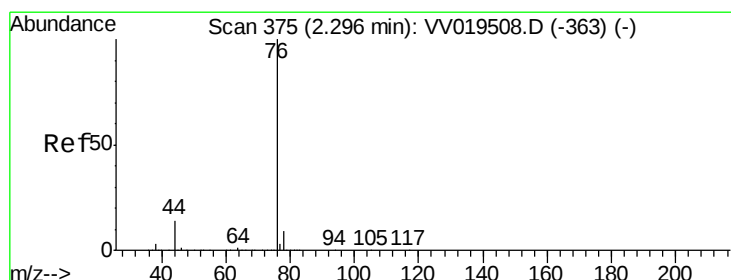
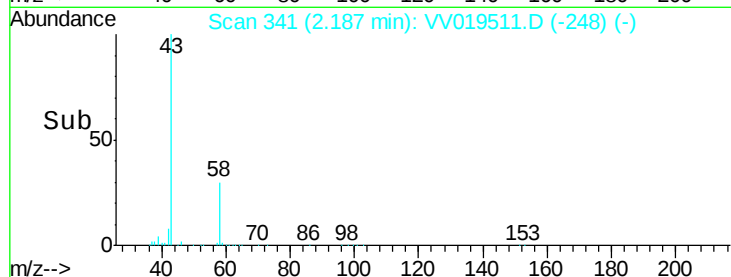
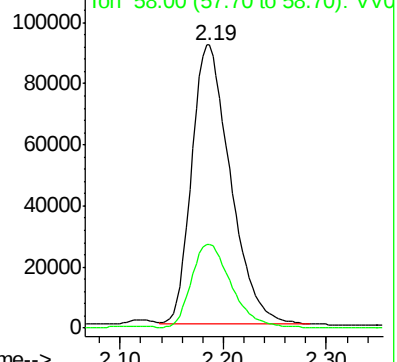
Ion Ratio Lower Upper

43 100

58 31.2 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019511.D (-248) (-)



#14

Carbon disulfide

Concen: 52.989 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019511.D

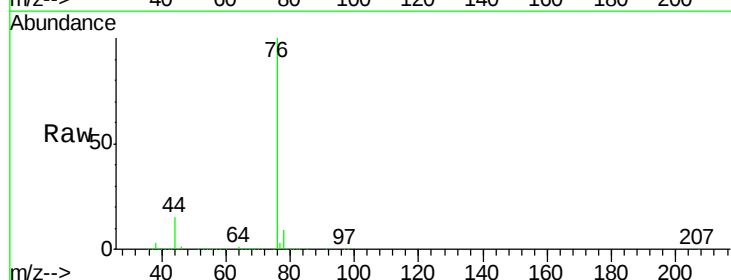
Acq: 10 Dec 2020 15:14

Tgt Ion: 76 Resp: 774819

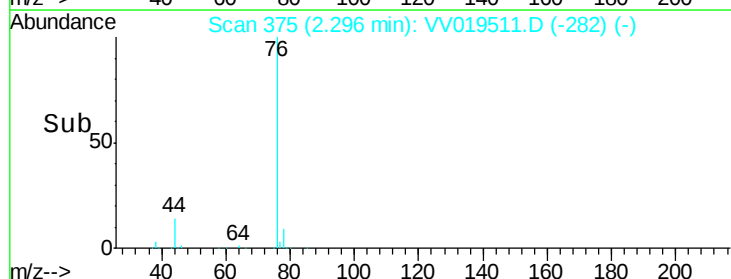
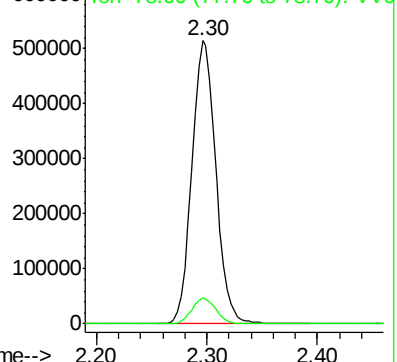
Ion Ratio Lower Upper

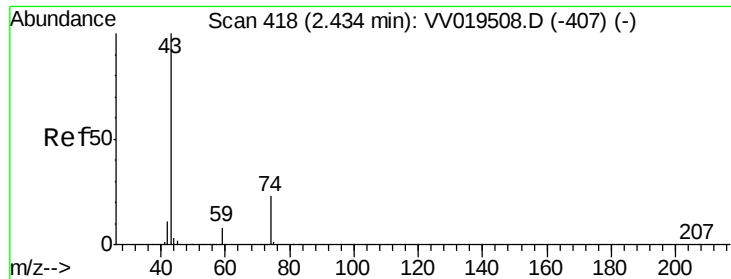
76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019511.D (-282) (-)

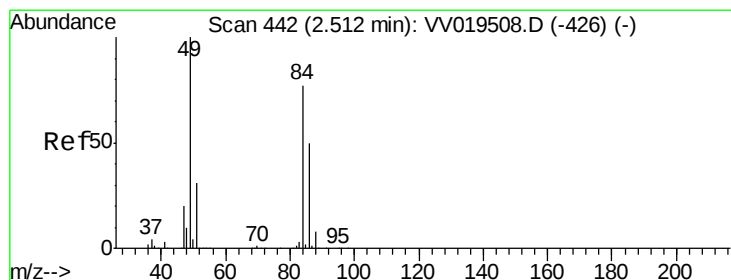
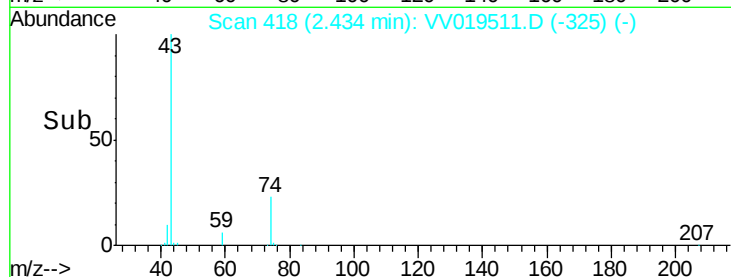
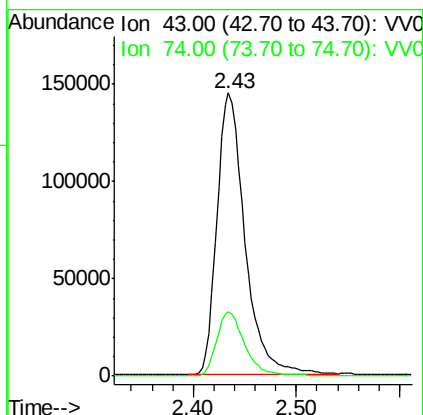
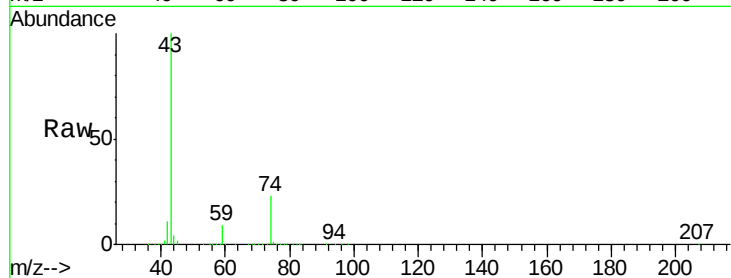




#15
Methyl Acetate
Concen: 49.889 ug/L
RT: 2.43 min Scan# 418
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

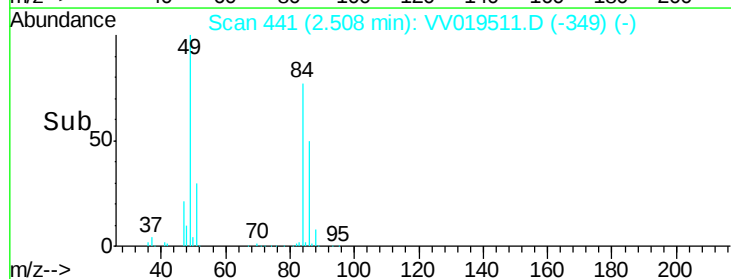
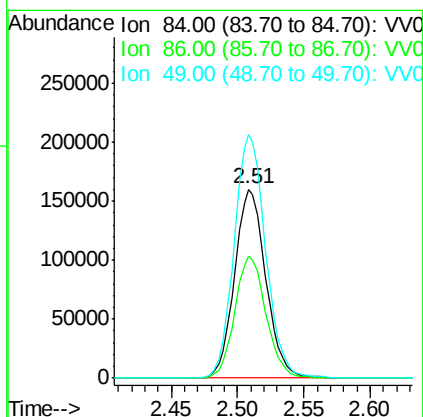
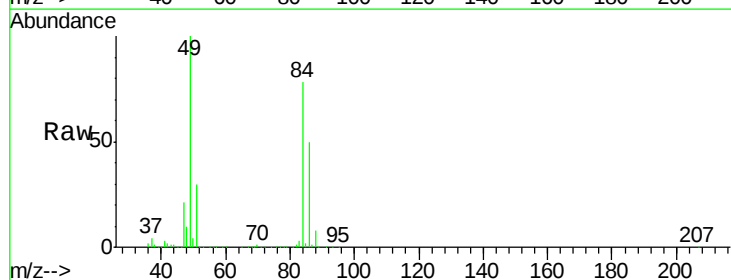
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

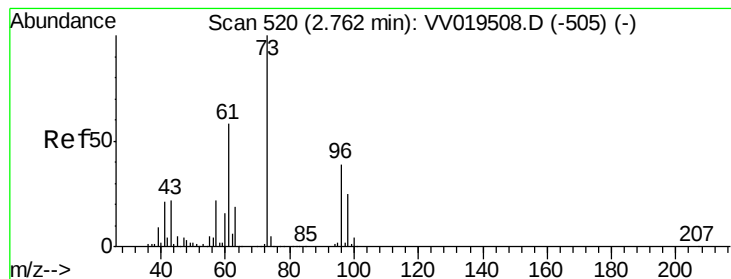
Tgt Ion: 43 Resp: 273738
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4



#16
Methylene chloride
Concen: 49.969 ug/L
RT: 2.51 min Scan# 441
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

Tgt Ion: 84 Resp: 262224
Ion Ratio Lower Upper
84 100
86 64.4 45.7 84.9
49 128.9 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 51.978 ug/L

RT: 2.76 min Scan# 520

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

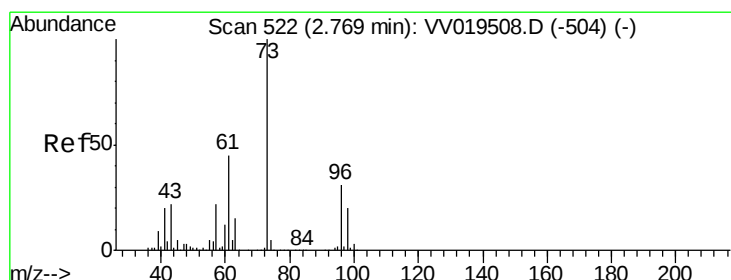
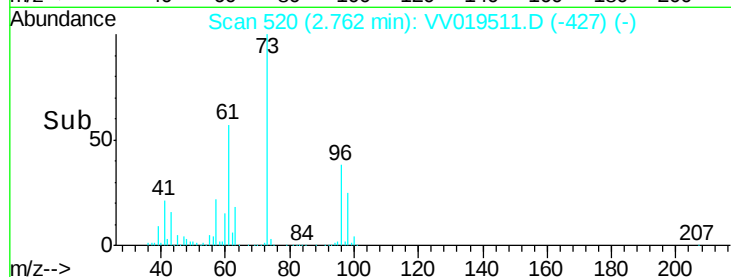
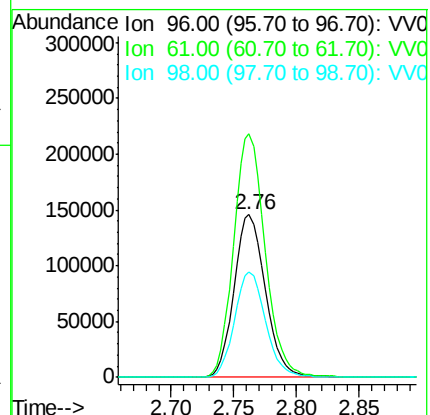
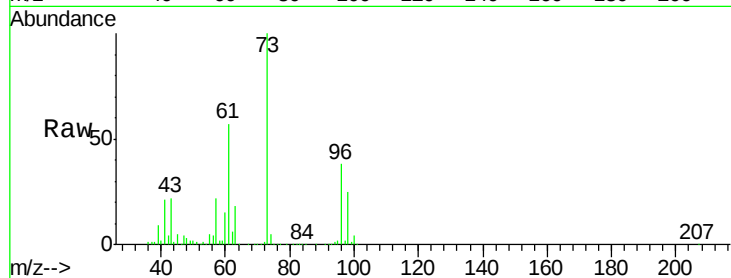
Tgt Ion: 96 Resp: 254370

Ion Ratio Lower Upper

96 100

61 149.9 103.5 192.1

98 65.1 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 50.876 ug/L

RT: 2.77 min Scan# 522

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

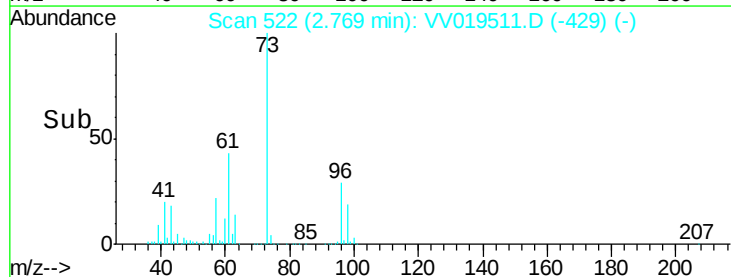
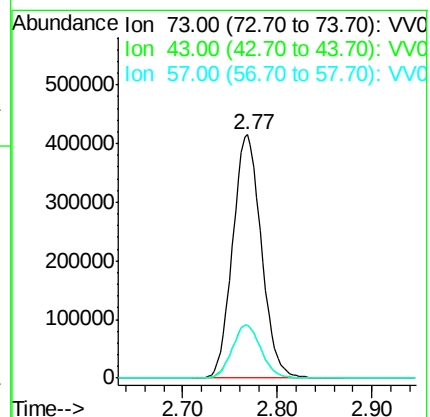
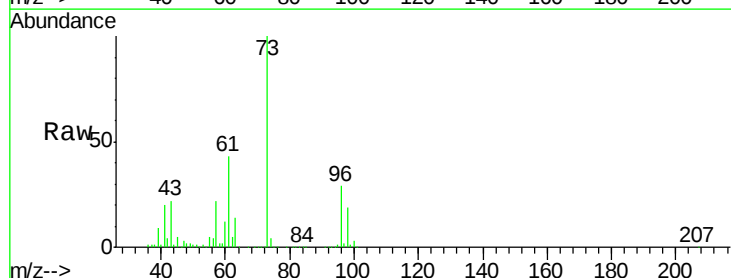
Tgt Ion: 73 Resp: 872697

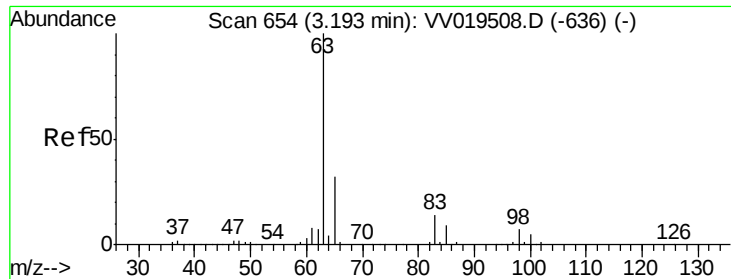
Ion Ratio Lower Upper

73 100

43 21.7 17.3 25.9

57 21.7 17.5 26.3

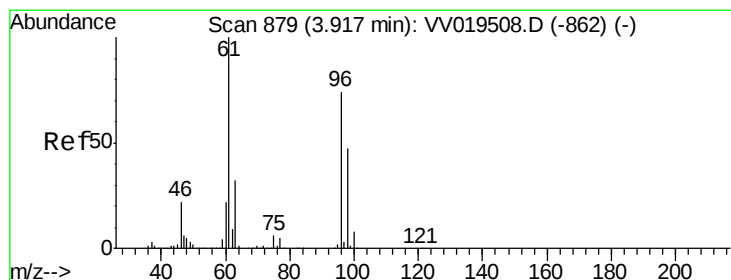
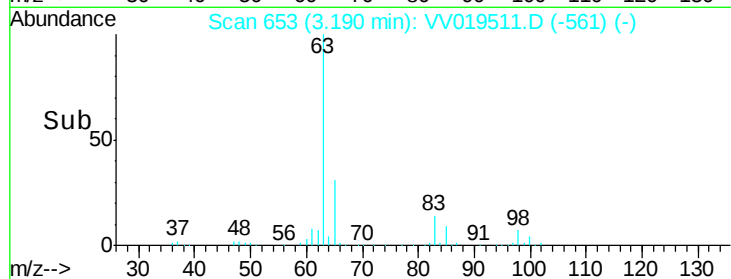
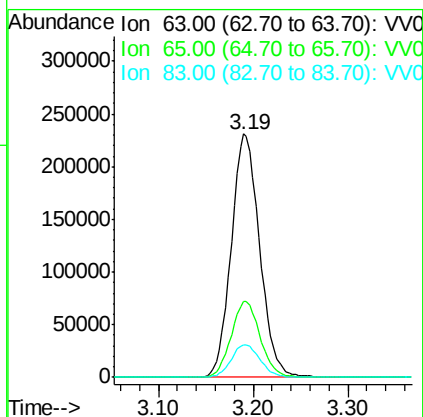
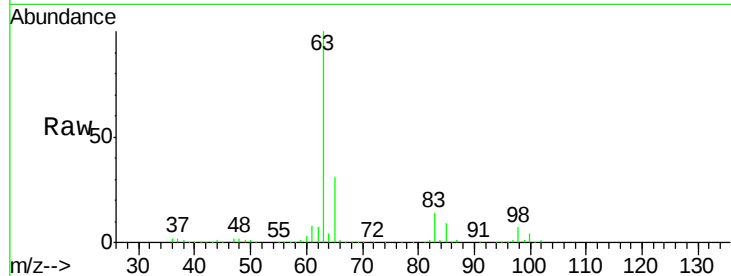




#19
 1,1-Dichloroethane
 Concen: 50.507 ug/L
 RT: 3.19 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

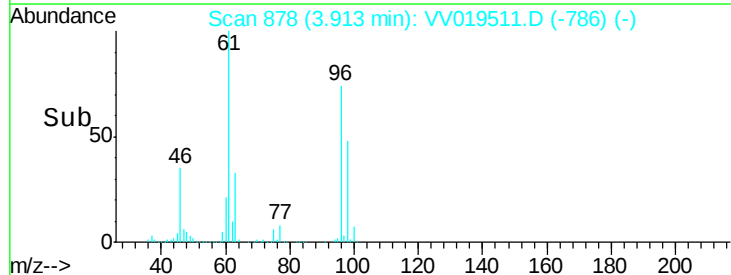
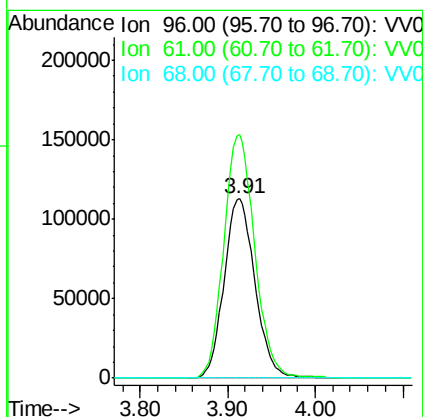
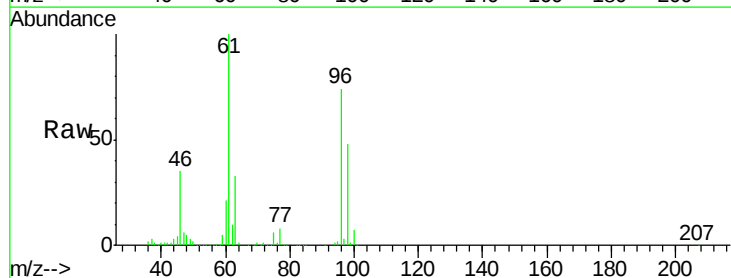
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

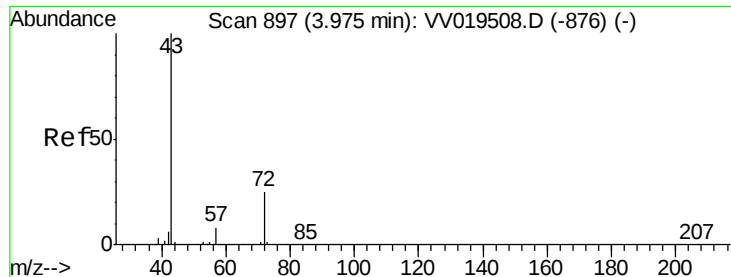
Tgt Ion: 63 Resp: 480822
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.4 41.6
 83 13.5 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 51.345 ug/L
 RT: 3.91 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

Tgt Ion: 96 Resp: 276750
 Ion Ratio Lower Upper
 96 100
 61 136.0 94.1 174.8
 68 0.0 0.1 0.1#





#22

2-Butanone

Concen: 100.584 ug/L

RT: 3.97 min Scan# 896

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

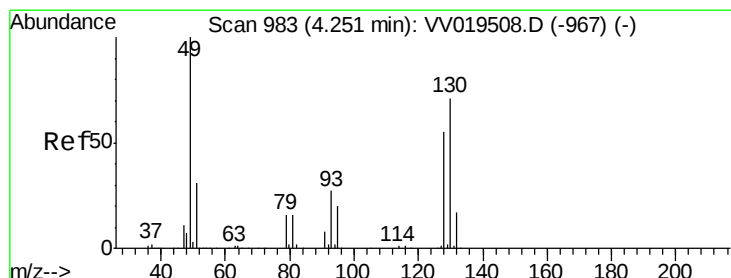
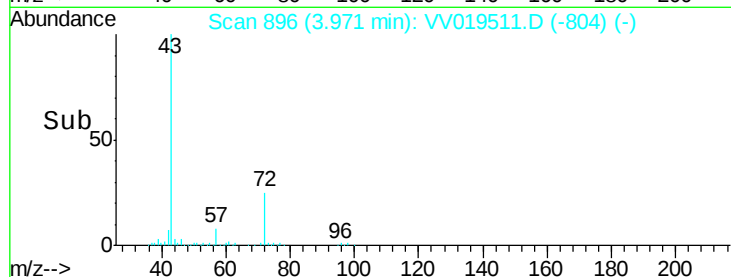
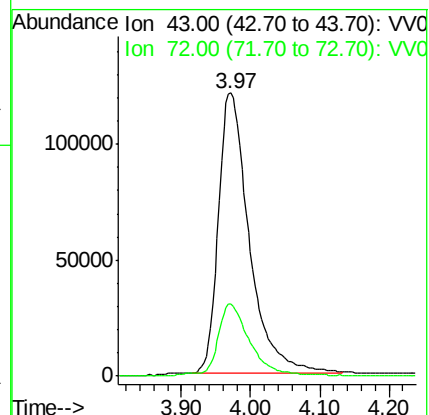
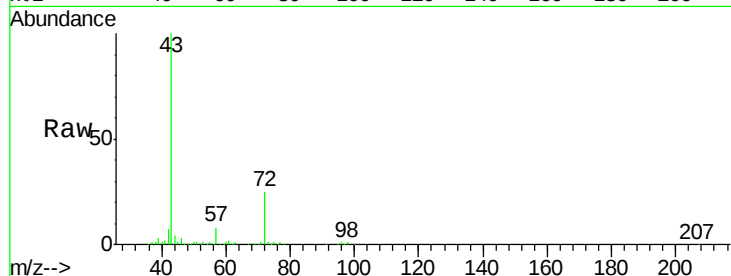
VSTD05062

Tgt Ion: 43 Resp: 373784

Ion Ratio Lower Upper

43 100

72 24.8 12.3 36.9



#23

Bromochloromethane

Concen: 51.197 ug/L

RT: 4.25 min Scan# 982

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Tgt Ion: 128 Resp: 135774

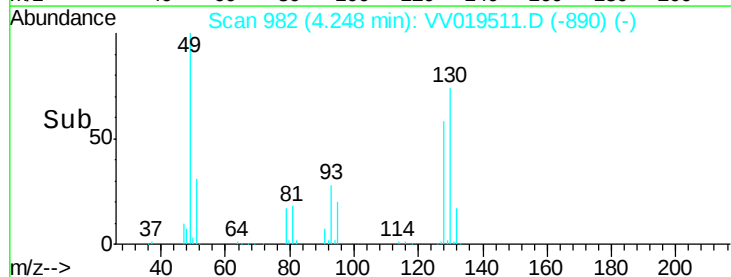
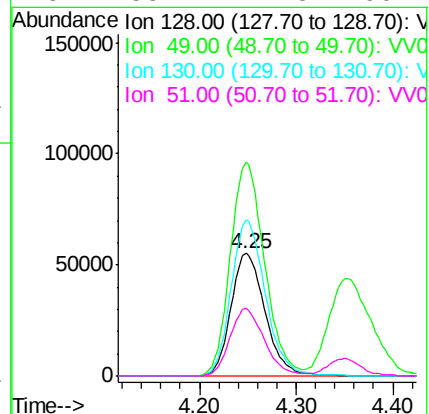
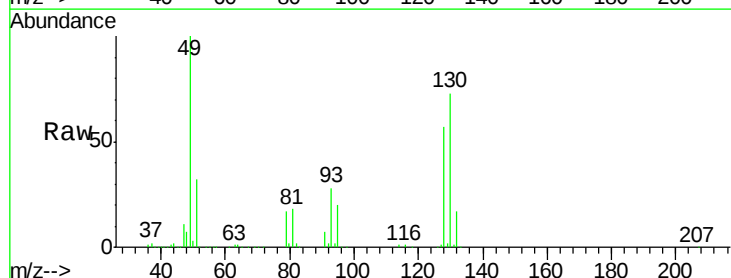
Ion Ratio Lower Upper

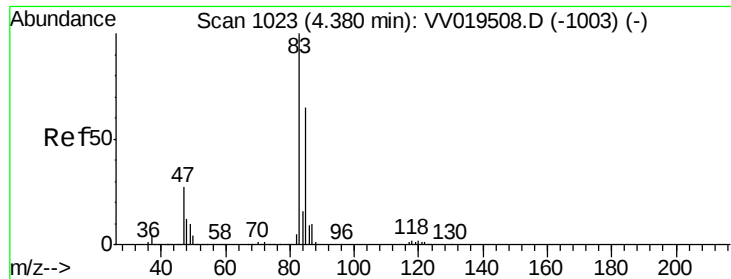
128 100

49 174.4 127.0 235.8

130 127.7 90.3 167.7

51 55.4 44.5 66.7

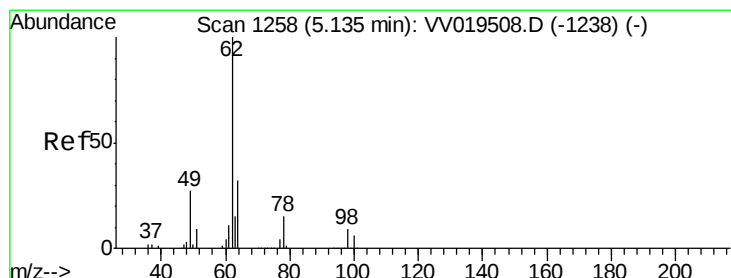
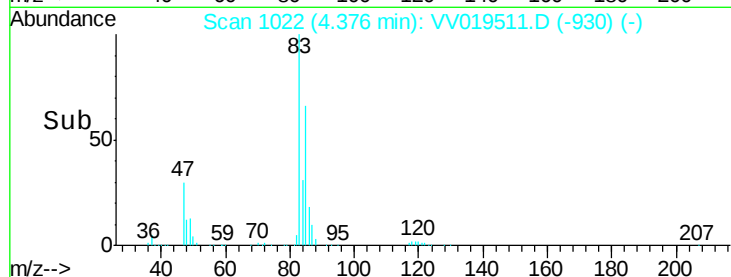
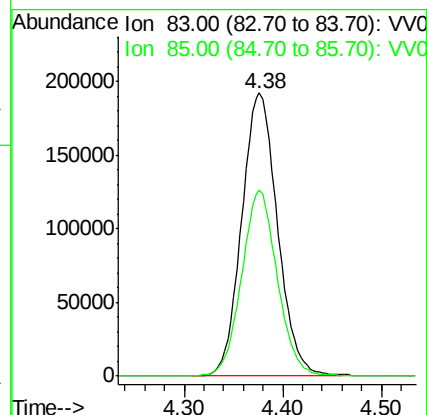
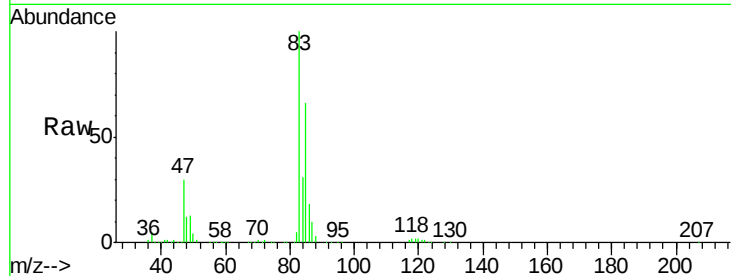




#25
Chloroform
Concen: 50.827 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

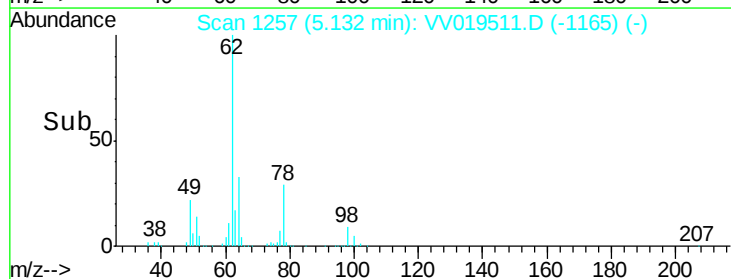
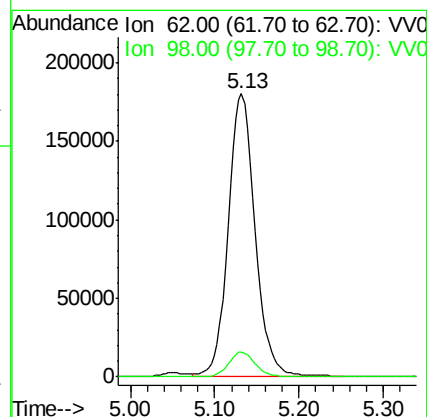
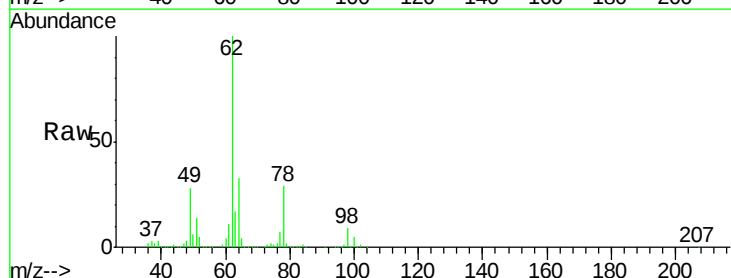
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

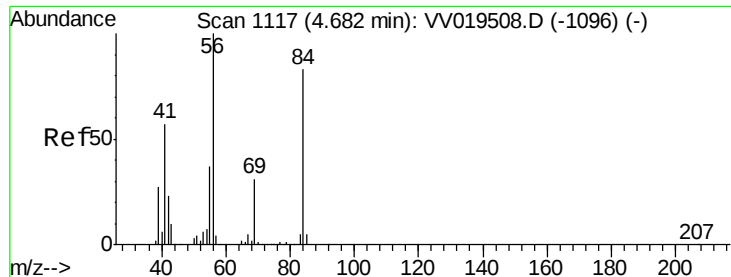
Tgt Ion: 83 Resp: 482441
Ion Ratio Lower Upper
83 100
85 65.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 50.277 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

Tgt Ion: 62 Resp: 396964
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0

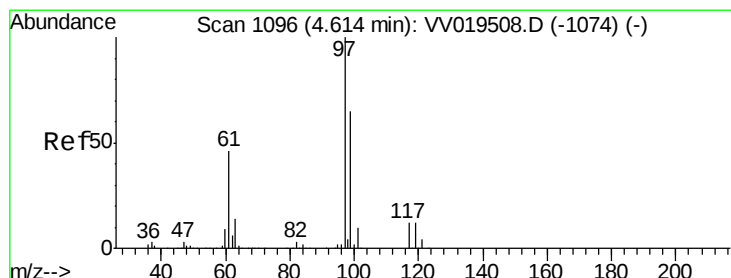
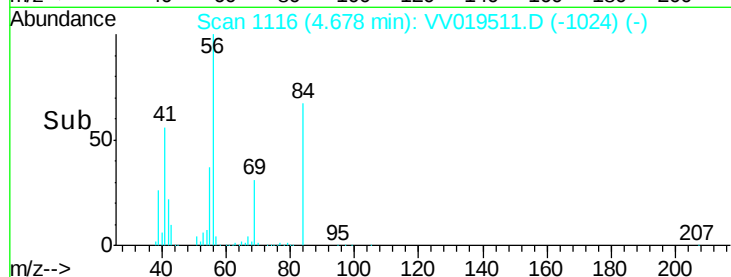
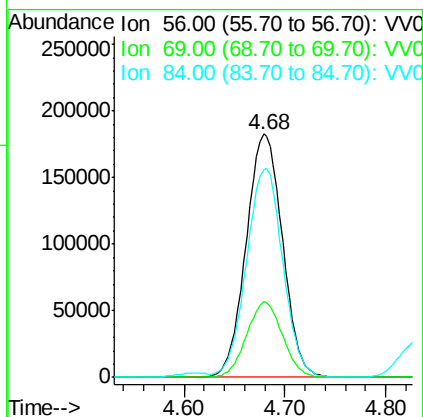
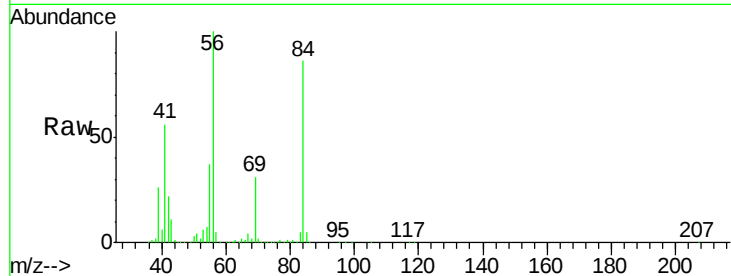




#29
Cyclohexane
Concen: 53.870 ug/L
RT: 4.68 min Scan# 1116
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

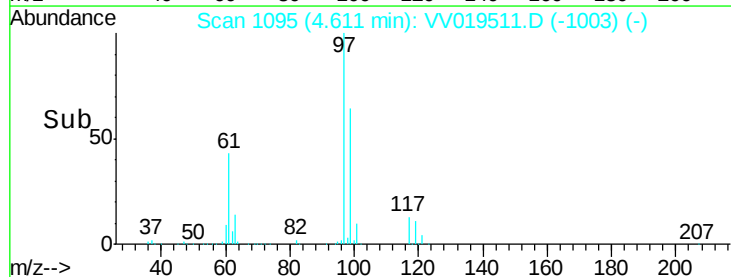
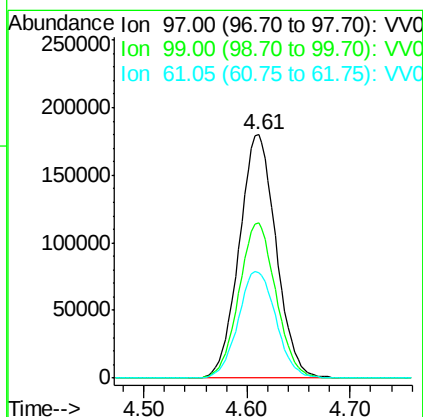
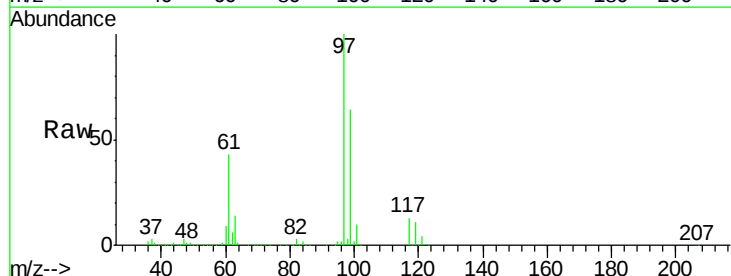
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

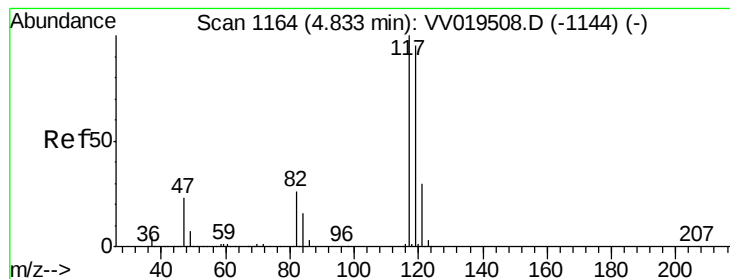
Tgt Ion: 56 Resp: 455312
Ion Ratio Lower Upper
56 100
69 30.5 24.6 37.0
84 85.7 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 51.221 ug/L
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

Tgt Ion: 97 Resp: 447047
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 44.7 36.3 54.5





#31

Carbon tetrachloride

Concen: 52.187 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

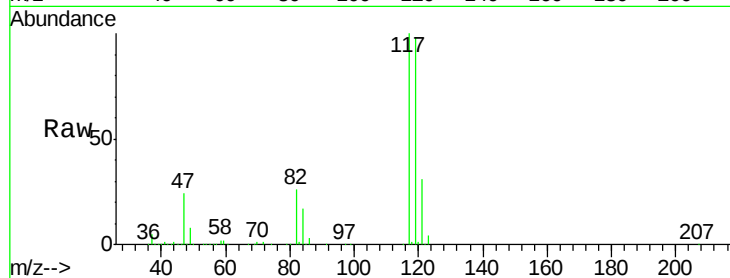
VSTD05062

Tgt Ion:117 Resp: 383296

Ion Ratio Lower Upper

117 100

119 96.1 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.83

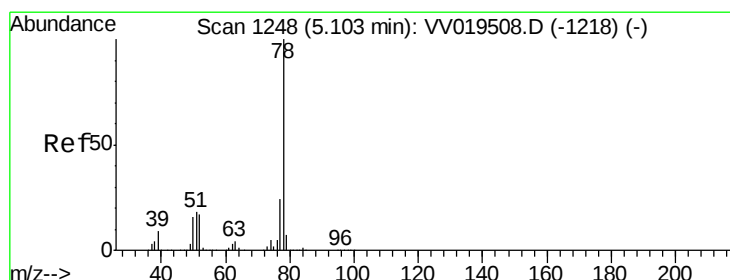
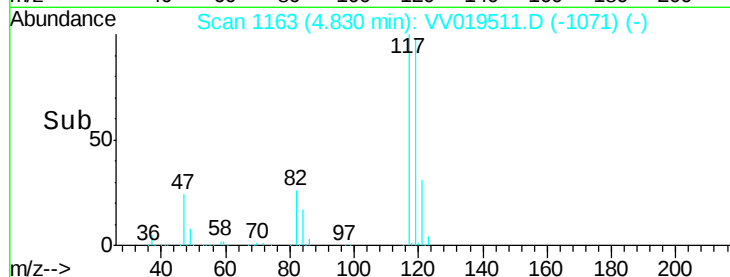
150000

100000

50000

0

Time--> 4.70 4.80 4.90 5.00



#33

Benzene

Concen: 50.826 ug/L

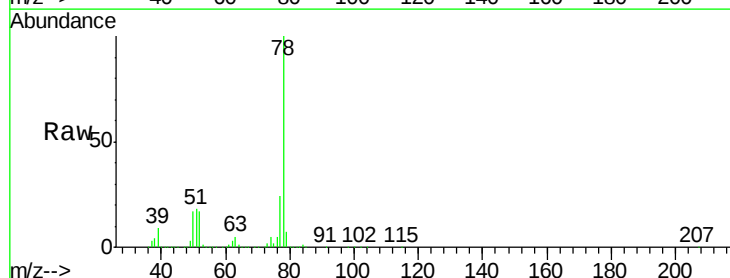
RT: 5.10 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Tgt Ion: 78 Resp: 1034921



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.10

500000

400000

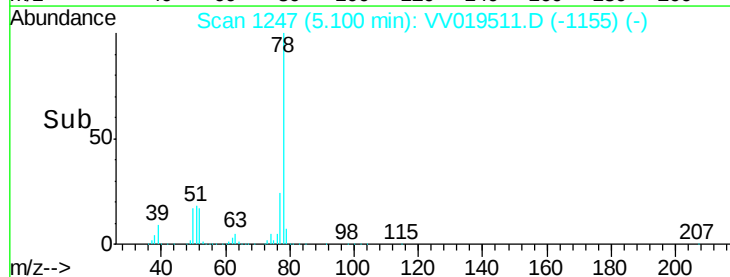
300000

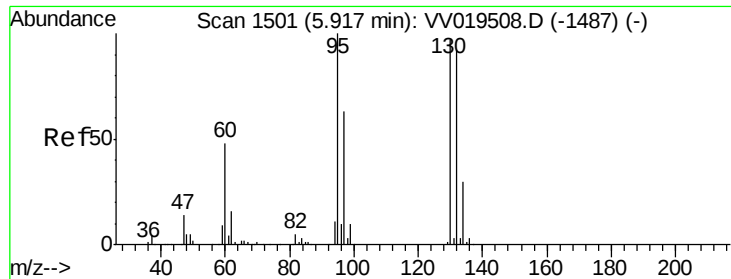
200000

100000

0

Time--> 5.00 5.10 5.20

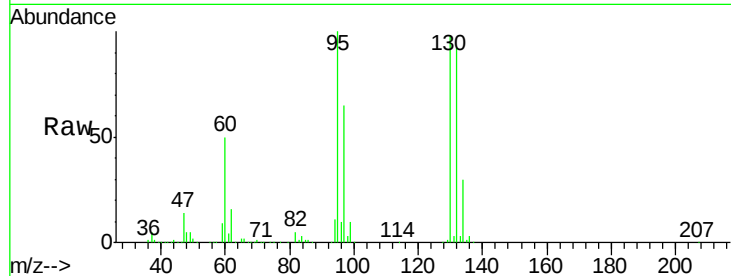




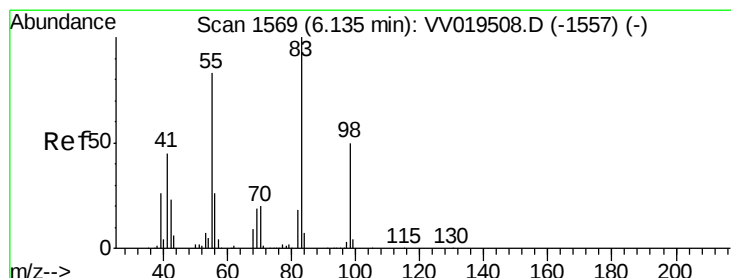
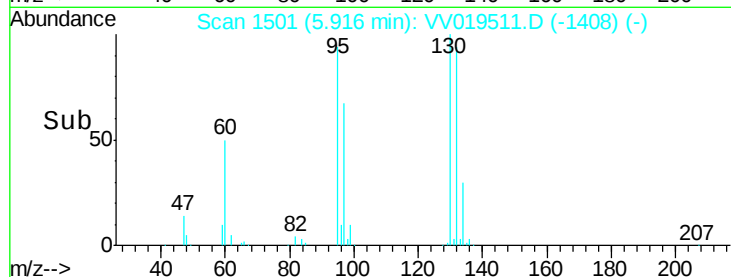
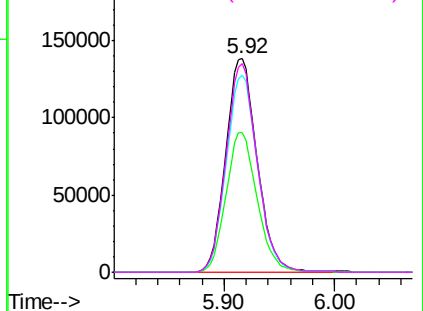
#34
 Trichloroethene
 Concen: 50.842 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Tgt Ion: 95 Resp: 273323
 Ion Ratio Lower Upper
 95 100
 97 65.5 44.4 82.4
 132 92.2 64.3 119.3
 130 97.6 67.8 125.8

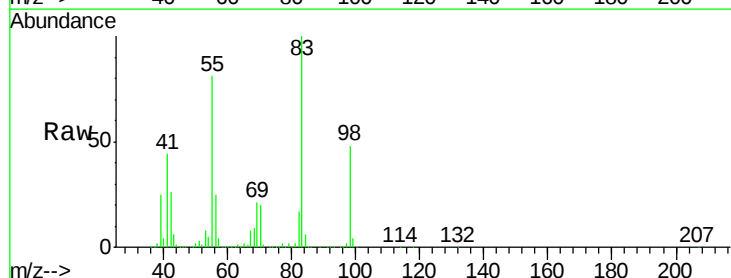


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

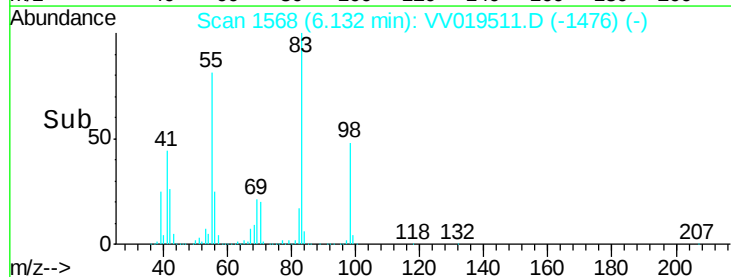
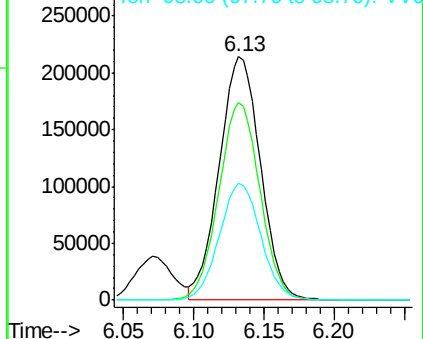


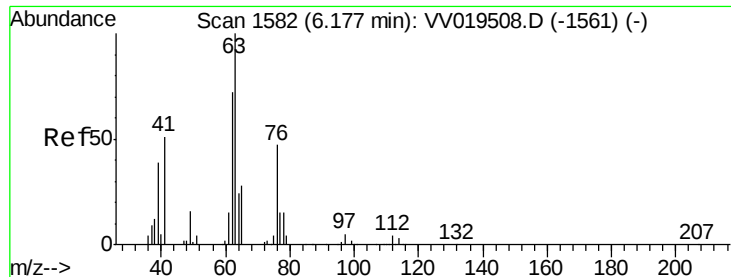
#35
 Methylcyclohexane
 Concen: 54.250 ug/L
 RT: 6.13 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

Tgt Ion: 83 Resp: 437707
 Ion Ratio Lower Upper
 83 100
 55 80.5 64.2 96.4
 98 48.1 39.3 58.9



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





#37

1,2-Dichloropropane

Concen: 51.232 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

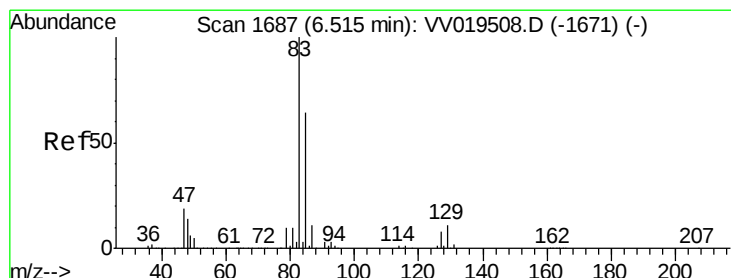
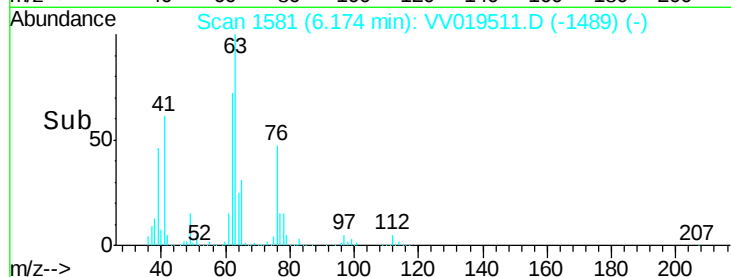
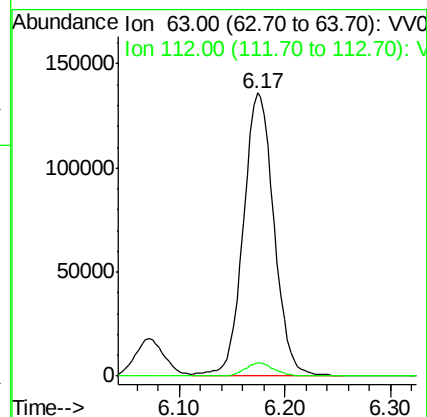
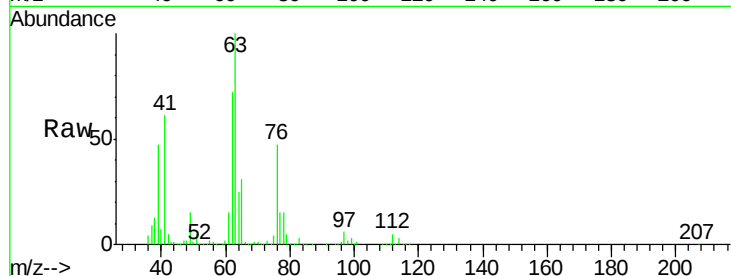
VSTD05062

Tgt Ion: 63 Resp: 272559

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 50.680 ug/L

RT: 6.51 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

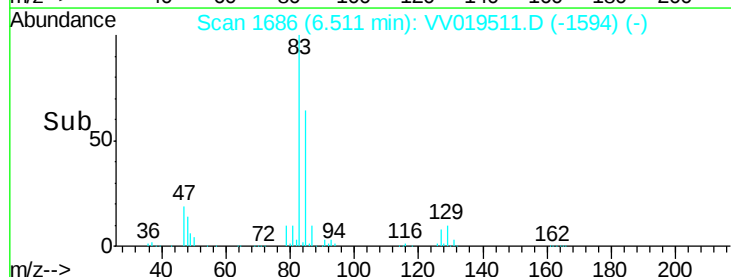
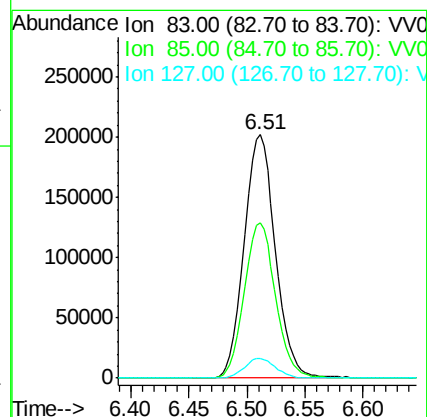
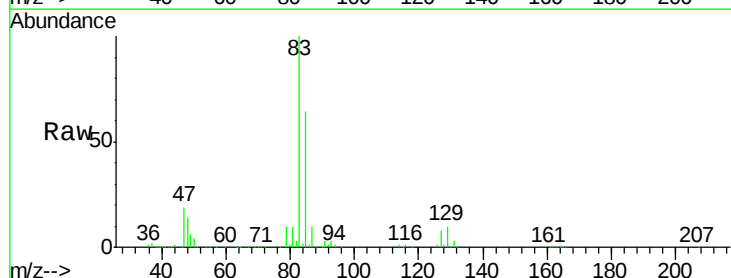
Tgt Ion: 83 Resp: 376600

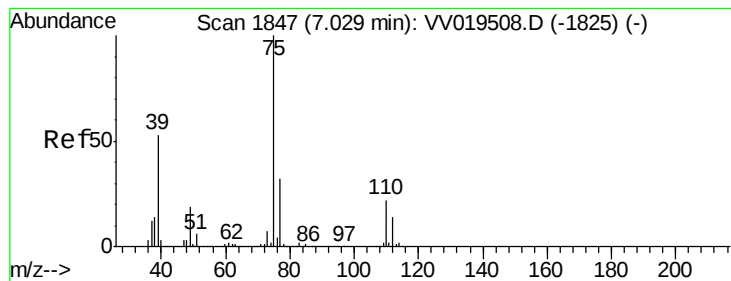
Ion Ratio Lower Upper

83 100

85 64.0 44.9 83.5

127 8.0 6.7 10.1



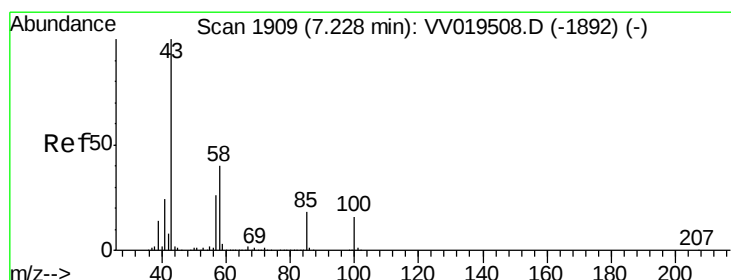
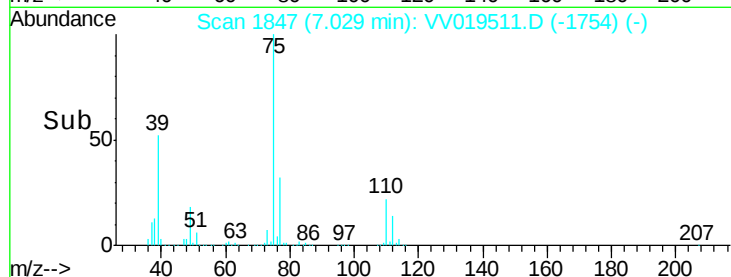
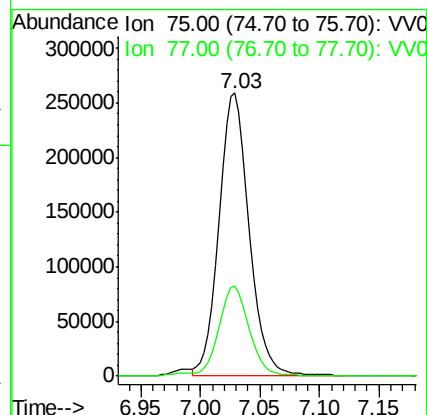
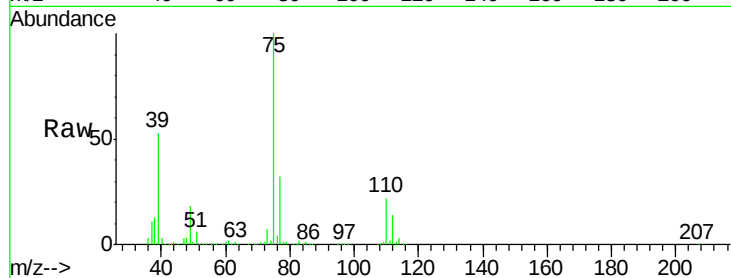


#39

cis-1,3-Dichloropropene
 Concen: 50.717 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

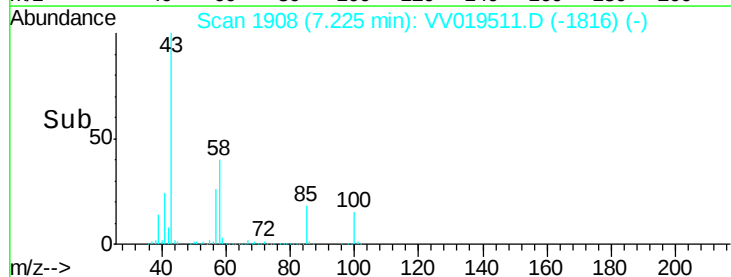
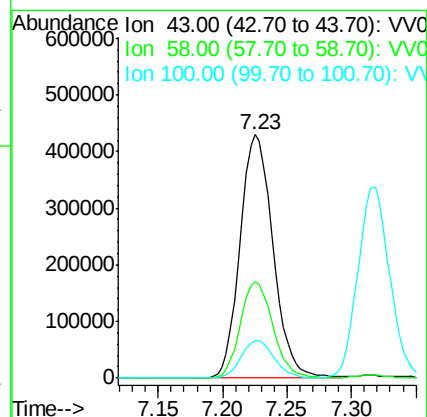
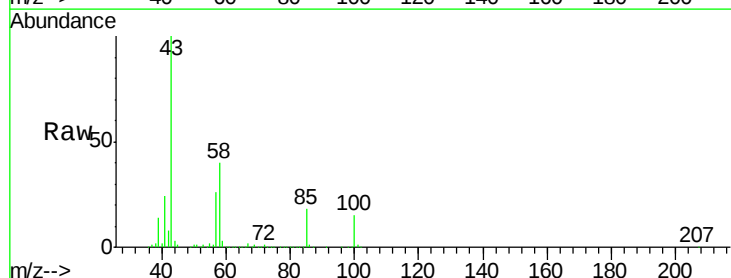
Tgt Ion: 75 Resp: 449997
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.4 41.6

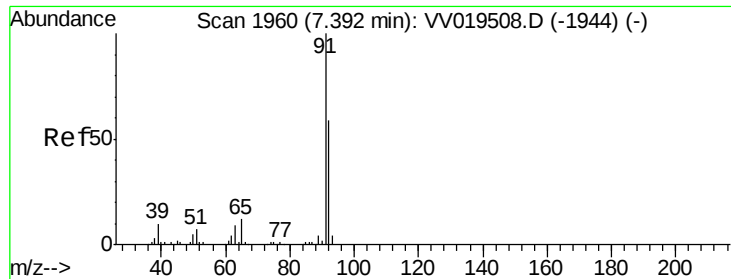


#40

4-Methyl-2-pentanone
 Concen: 98.585 ug/L
 RT: 7.23 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

Tgt Ion: 43 Resp: 763293
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.7 47.5
 100 15.4 12.5 18.7





#42

Toluene

Concen: 51.350 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

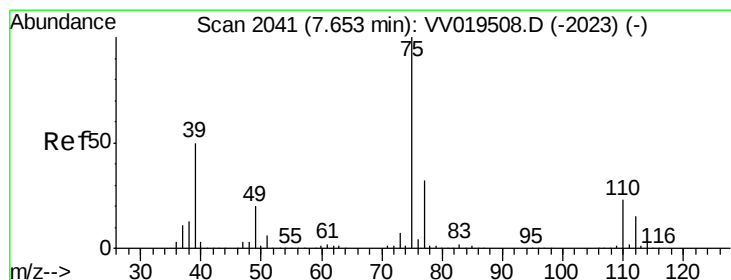
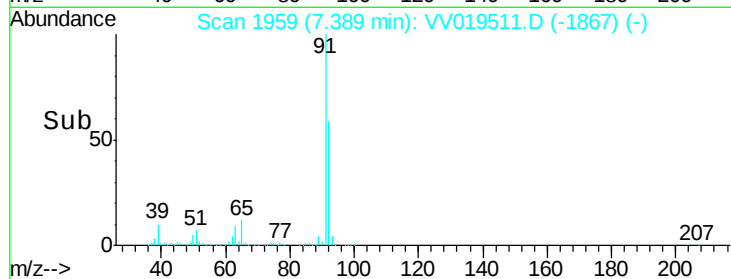
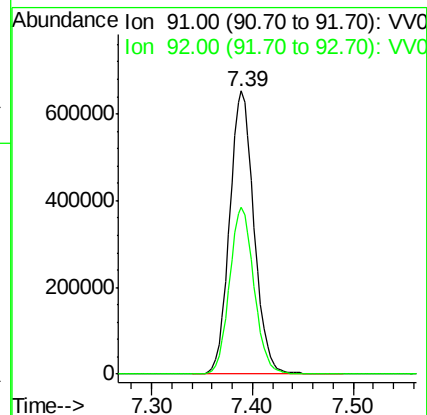
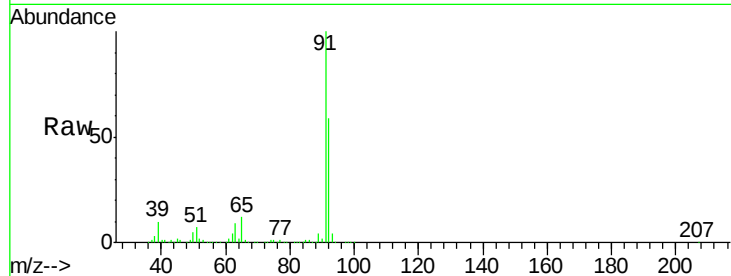
VSTD05062

Tgt Ion: 91 Resp: 1101934

Ion Ratio Lower Upper

91 100

92 59.1 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 50.700 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019511.D

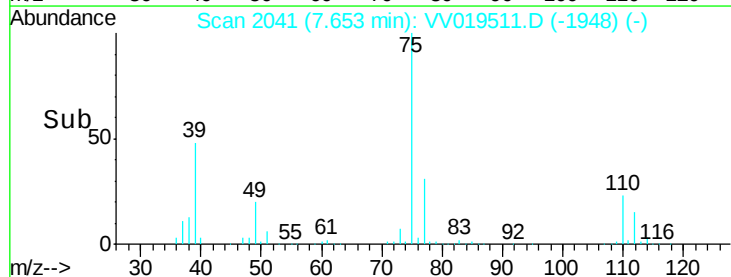
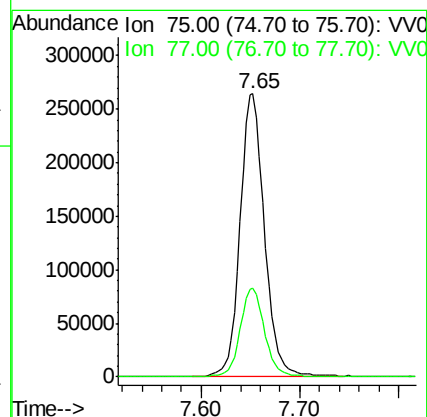
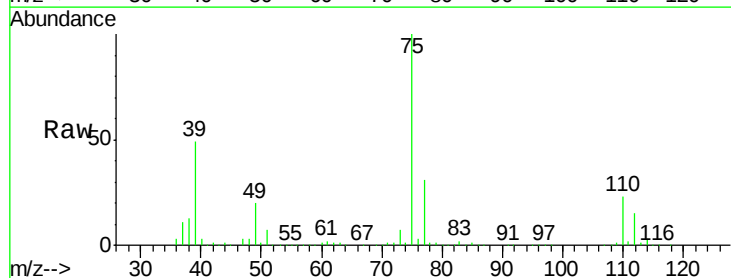
Acq: 10 Dec 2020 15:14

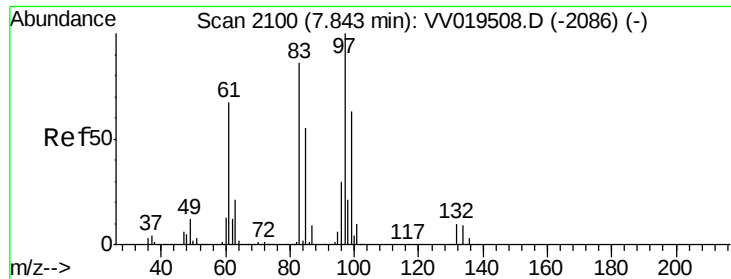
Tgt Ion: 75 Resp: 453593

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9

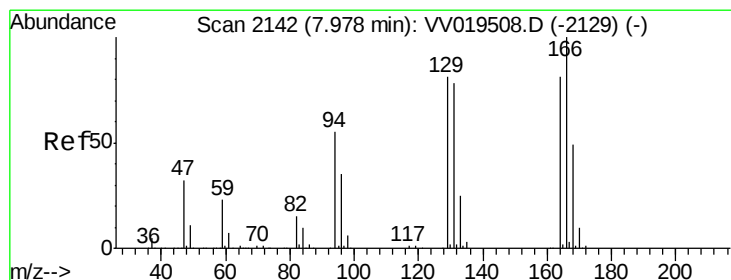
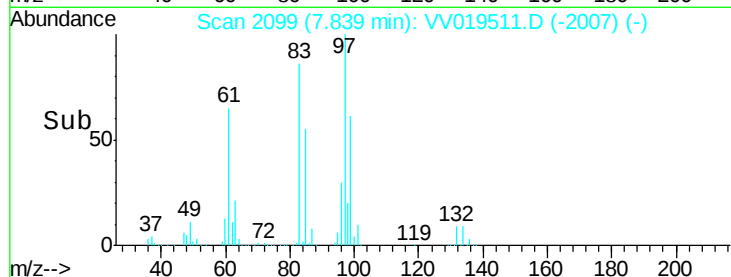
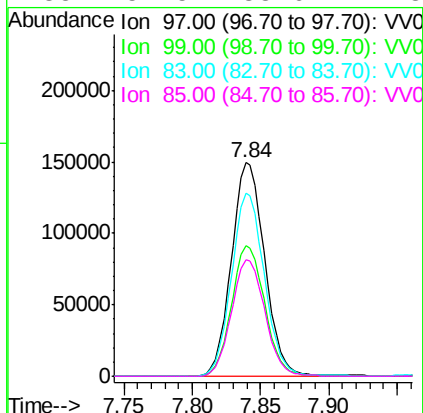
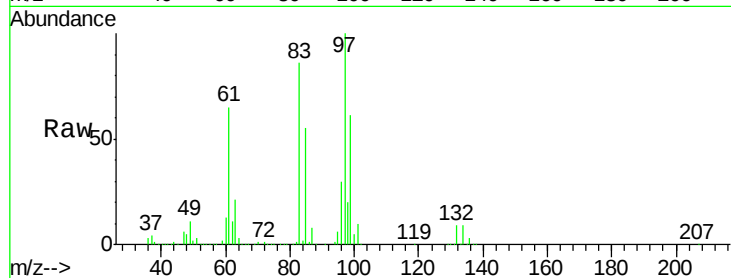




#45
 1,1,2-Trichloroethane
 Concen: 50.163 ug/L
 RT: 7.84 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

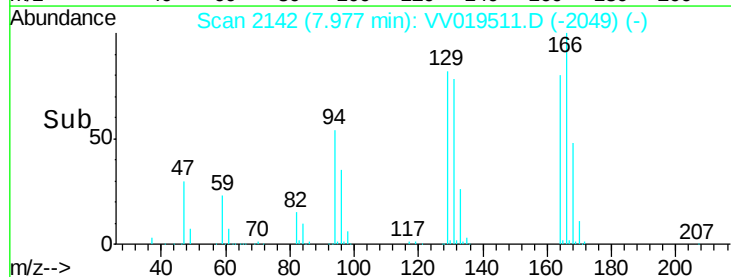
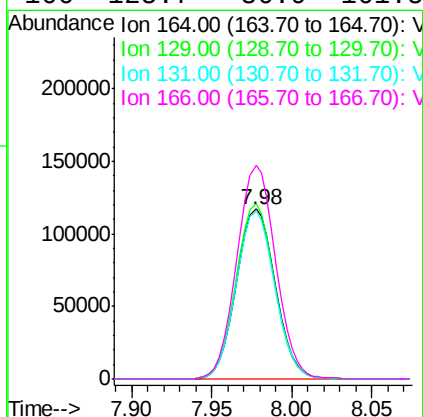
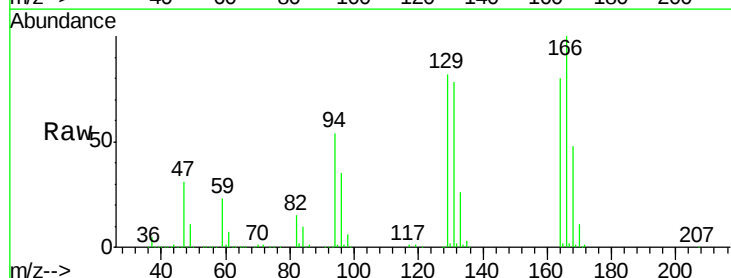
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

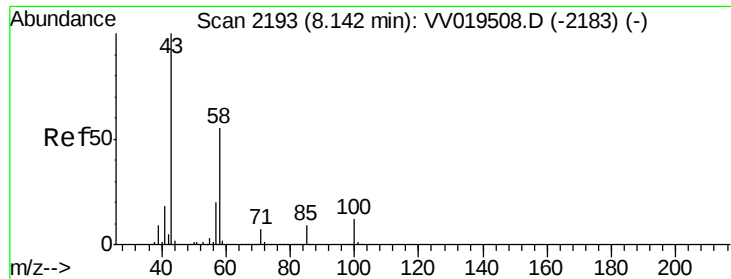
Tgt Ion:	97	Resp:	253390
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.1	81.9
83	85.6	60.0	111.4
85	54.5	38.6	71.8



#46
 Tetrachloroethene
 Concen: 52.542 ug/L
 RT: 7.98 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

Tgt Ion:	164	Resp:	194635
Ion	Ratio	Lower	Upper
164	100		
129	102.9	70.6	131.0
131	98.6	68.0	126.4
166	125.7	86.9	161.5

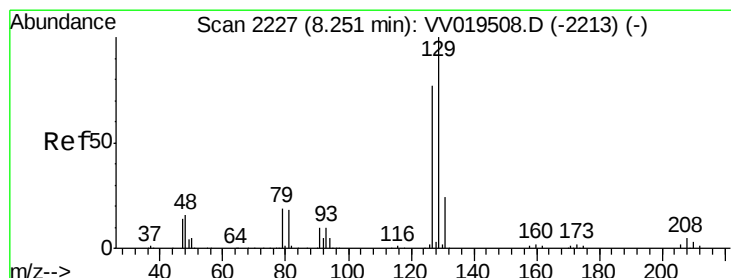
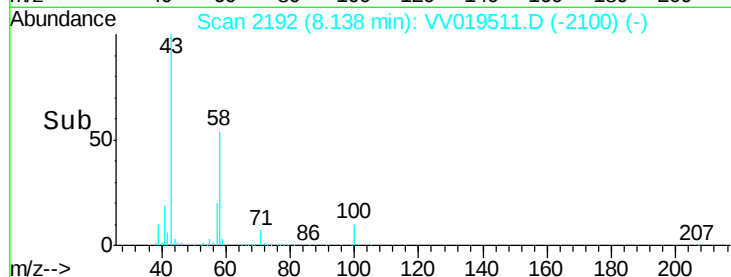
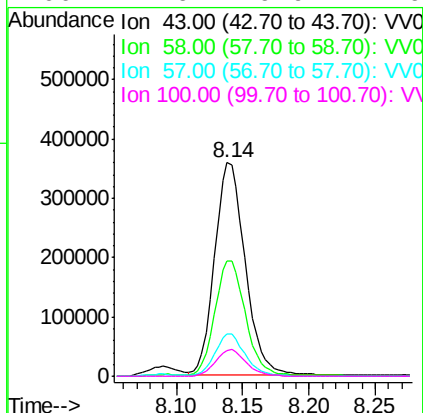
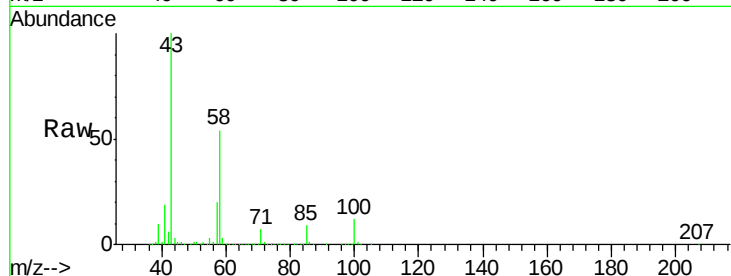




#48
2-Hexanone
Concen: 98.079 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

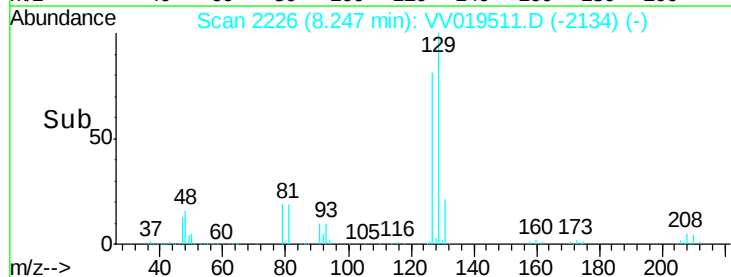
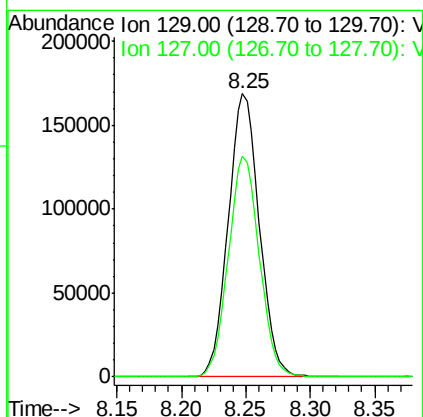
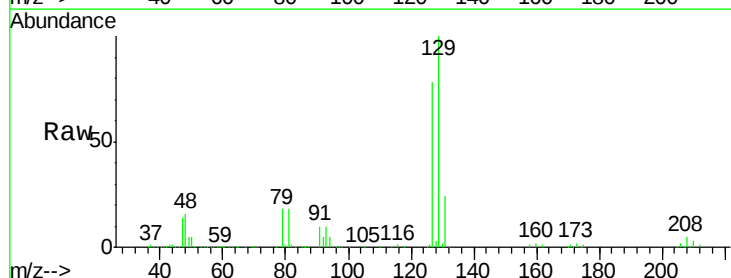
Instrument :
MSVOA_V
ClientSampled :
VSTD05062

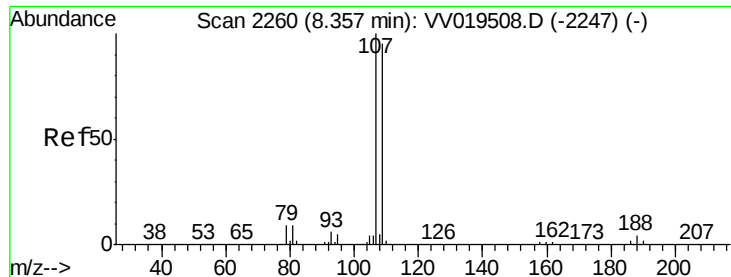
Tgt Ion:	43	Resp:	575160
Ion	Ratio	Lower	Upper
43	100		
58	54.2	44.4	66.6
57	19.3	15.7	23.5
100	12.6	9.9	14.9



#49
Dibromochloromethane
Concen: 51.204 ug/L
RT: 8.25 min Scan# 2226
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

Tgt Ion:	129	Resp:	282945
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.2	100.6

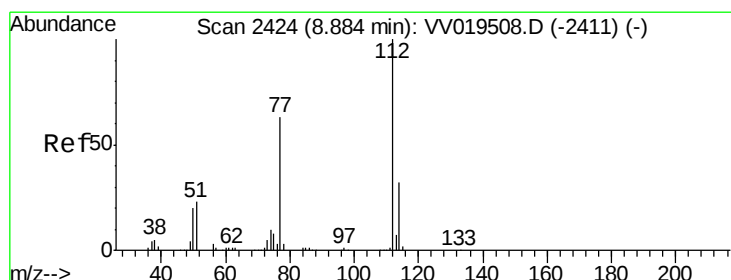
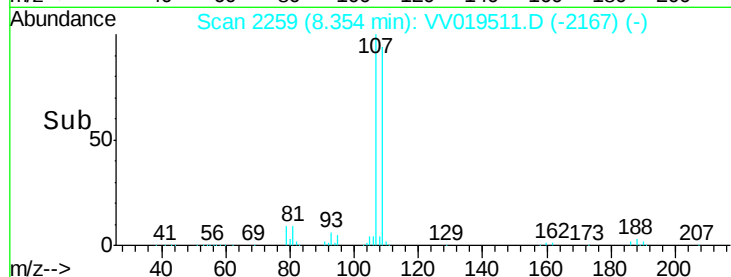
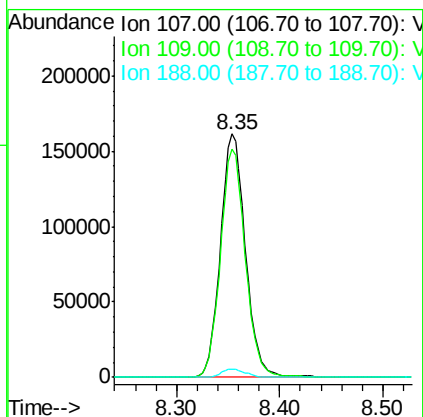
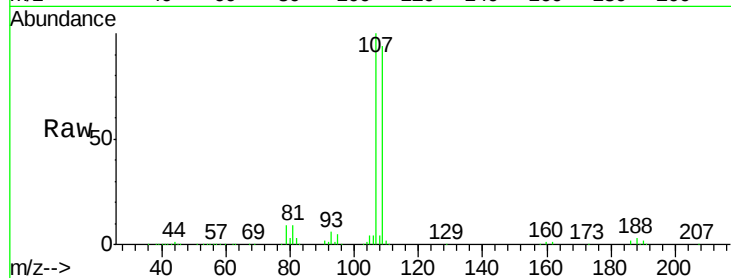




#50
1,2-Dibromoethane
Concen: 51.076 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

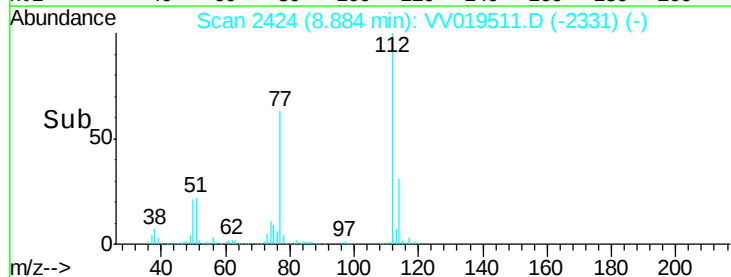
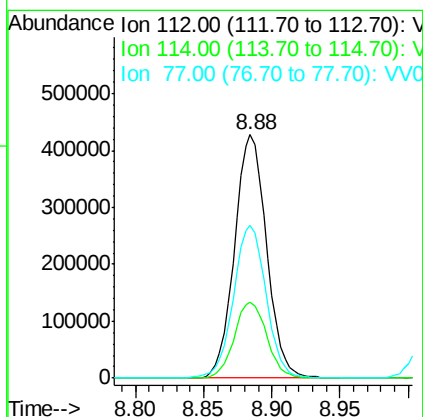
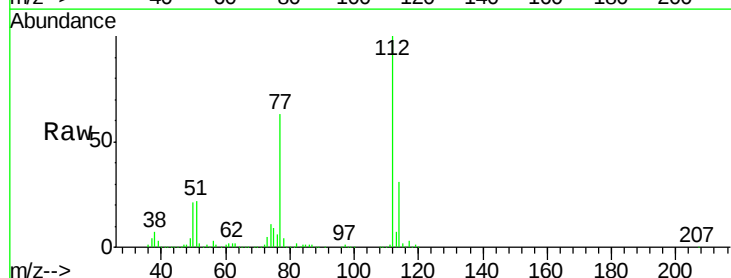
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

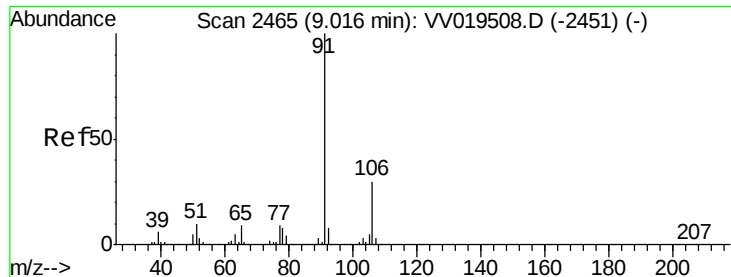
Tgt Ion:107 Resp: 271890
Ion Ratio Lower Upper
107 100
109 94.0 66.4 123.2
188 3.4 2.9 4.3



#51
Chlorobenzene
Concen: 50.985 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

Tgt Ion:112 Resp: 698424
Ion Ratio Lower Upper
112 100
114 31.2 22.2 41.2
77 62.6 50.6 75.8





#52

Ethylbenzene

Concen: 51.517 ug/L

RT: 9.01 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

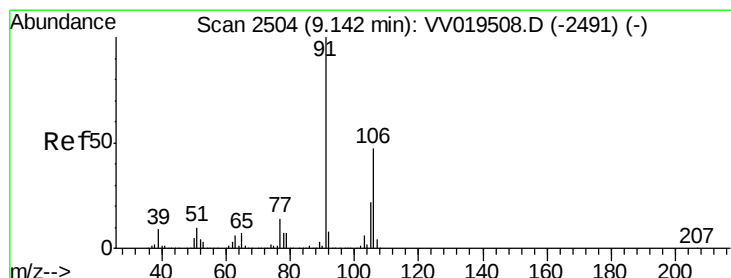
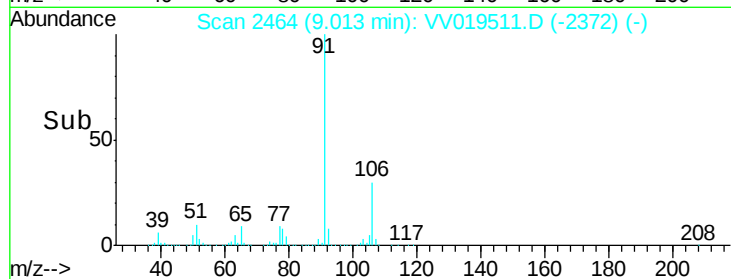
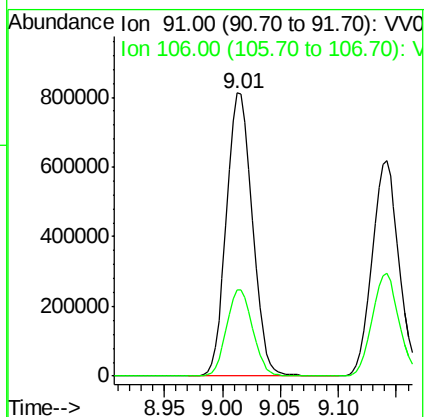
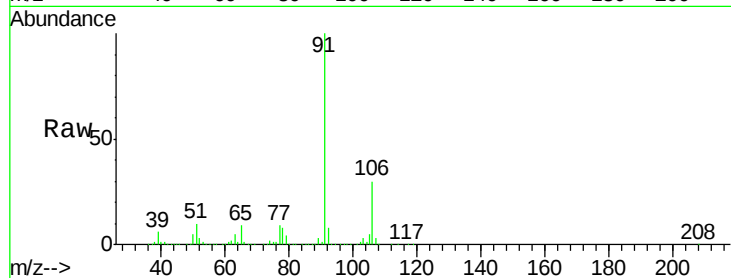
VSTD05062

Tgt Ion: 91 Resp: 1259148

Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.3



#53

m,p-Xylene

Concen: 52.229 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019511.D

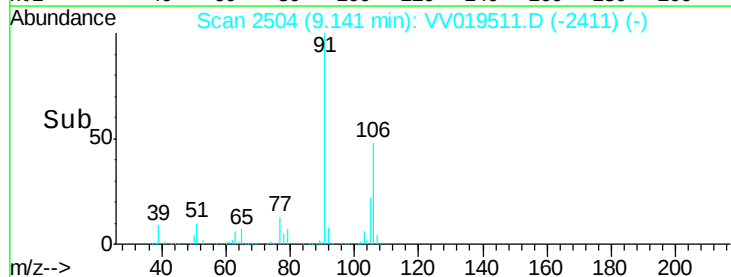
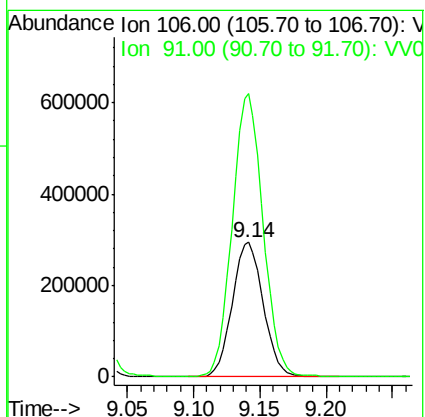
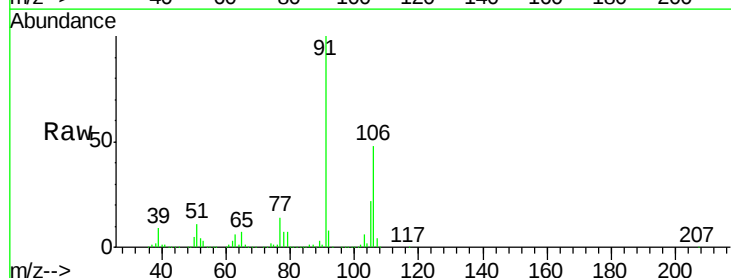
Acq: 10 Dec 2020 15:14

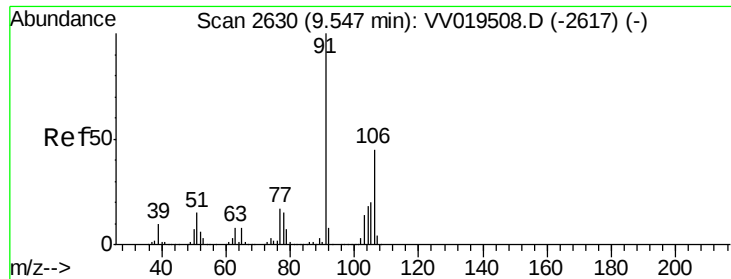
Tgt Ion: 106 Resp: 475633

Ion Ratio Lower Upper

106 100

91 209.9 147.7 274.3

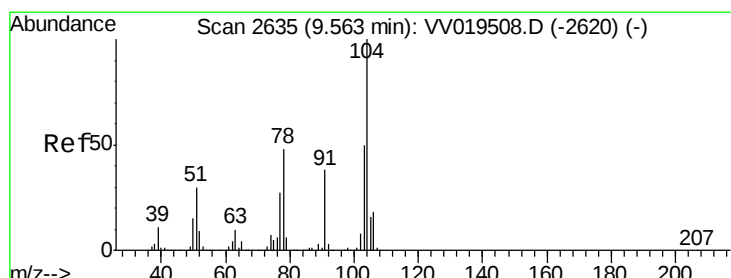
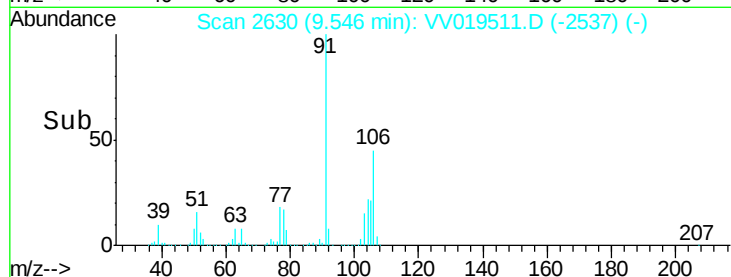
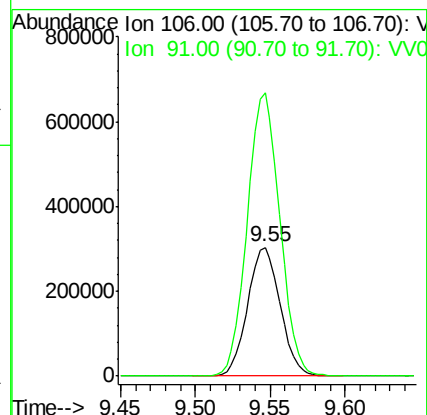
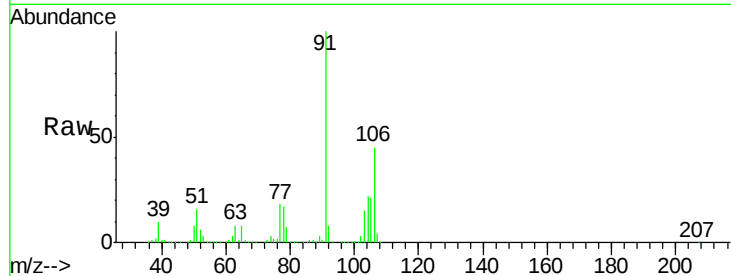




#54
o-xylene
Concen: 51.462 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

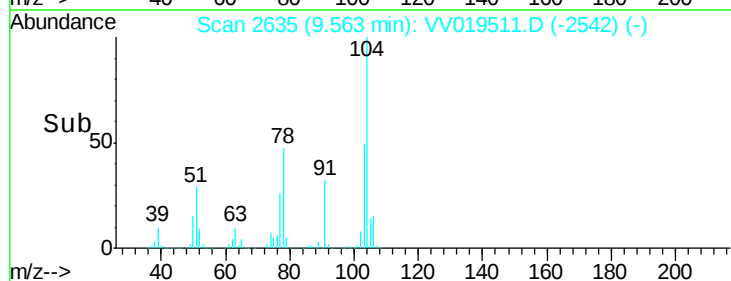
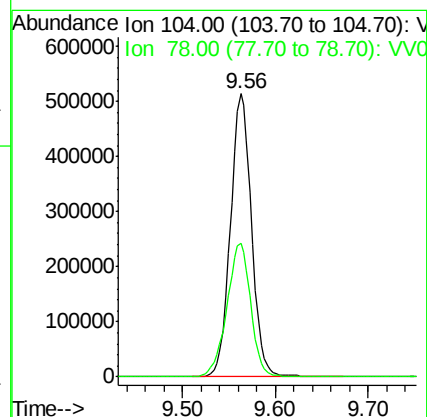
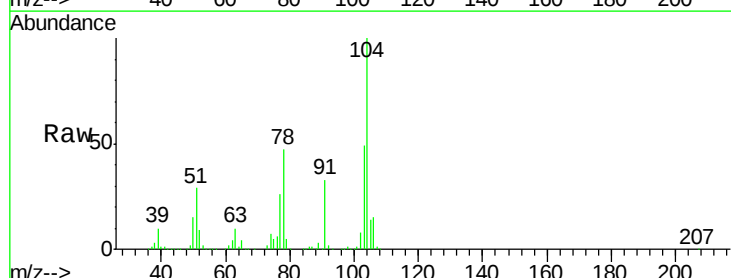
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

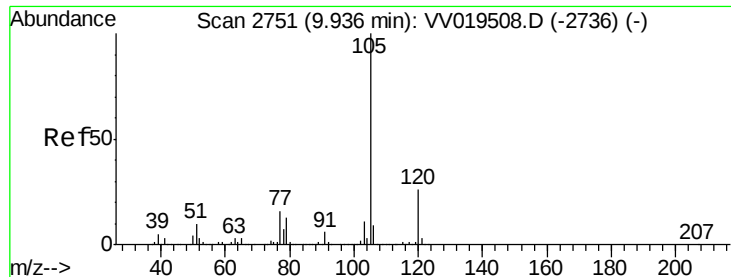
Tgt Ion:106 Resp: 460628
Ion Ratio Lower Upper
106 100
91 220.1 156.7 291.1



#55
Styrene
Concen: 51.882 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019511.D
Acq: 10 Dec 2020 15:14

Tgt Ion:104 Resp: 809061
Ion Ratio Lower Upper
104 100
78 47.2 33.7 62.7





#56

Isopropylbenzene

Concen: 52.109 ug/L

RT: 9.93 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampled :

VSTD05062

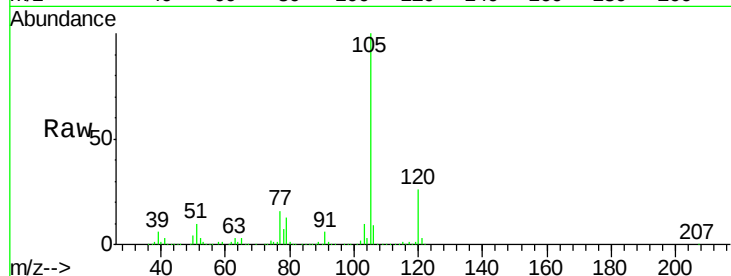
Tgt Ion:105 Resp: 1241066

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

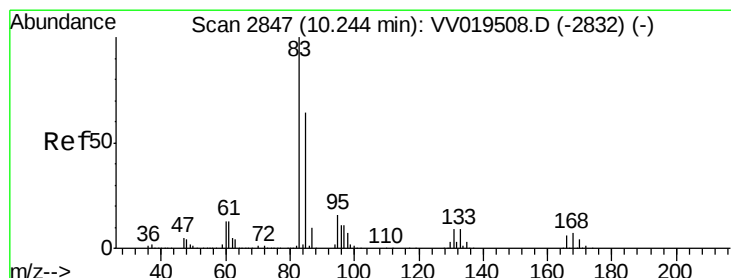
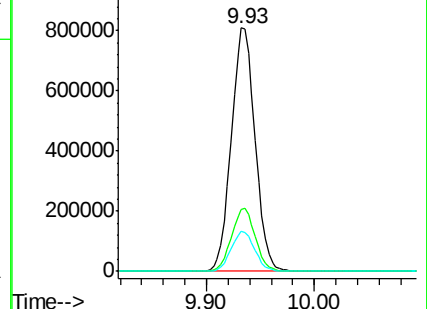
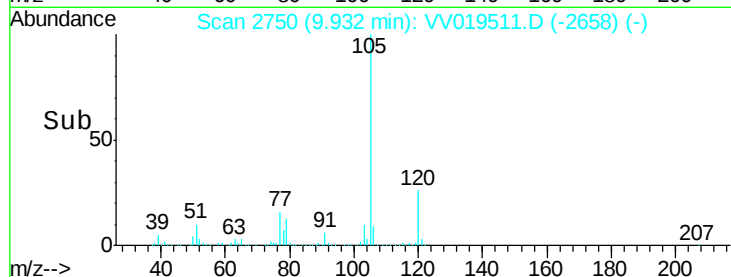
77 16.3 13.2 19.8



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: 49.245 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

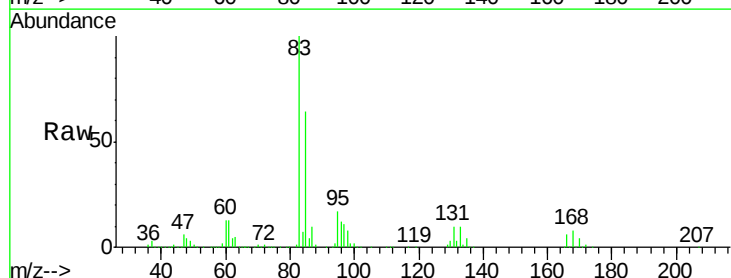
Tgt Ion: 83 Resp: 401461

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.5

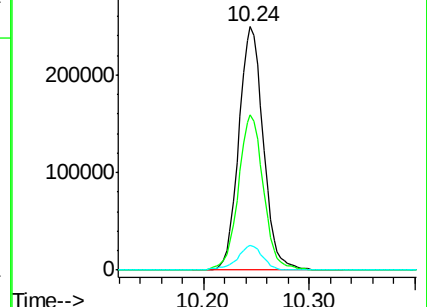
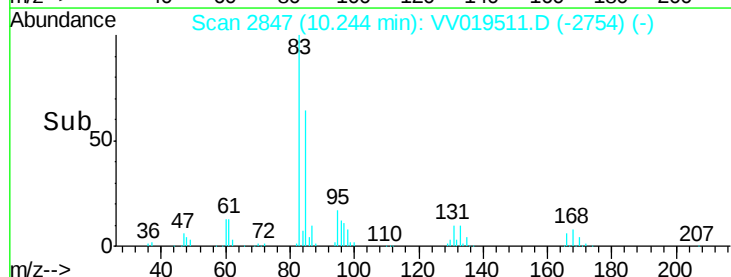
131 10.0 7.6 11.4

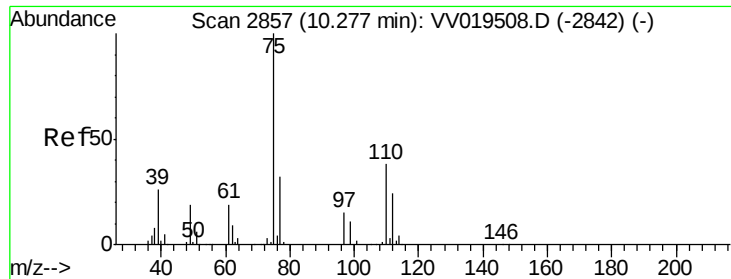


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.368 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

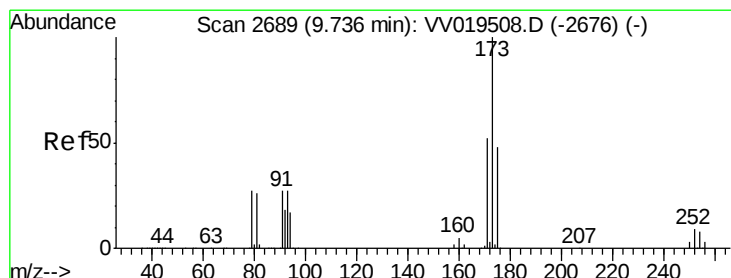
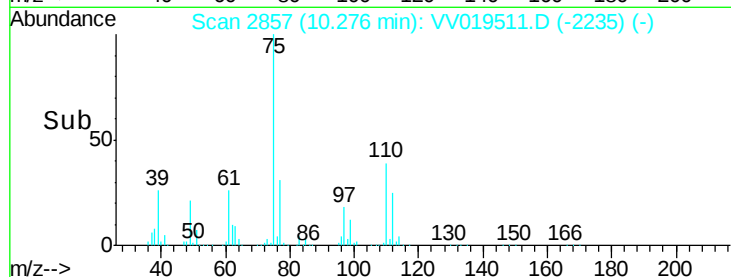
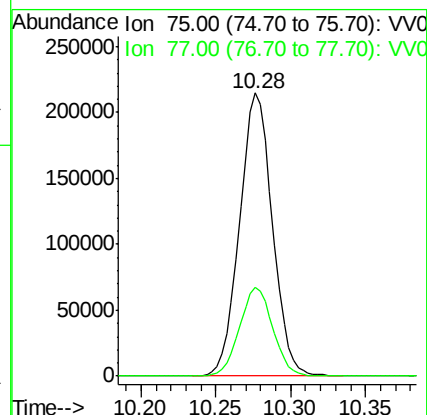
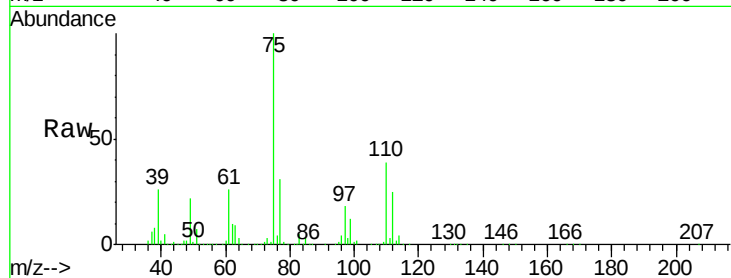
VSTD05062

Tgt Ion: 75 Resp: 328329

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



#61

Bromoform

Concen: 50.319 ug/L

RT: 9.73 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

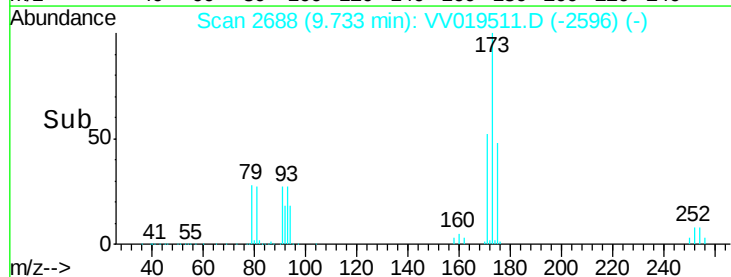
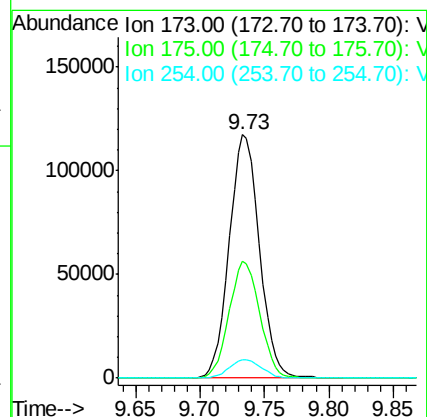
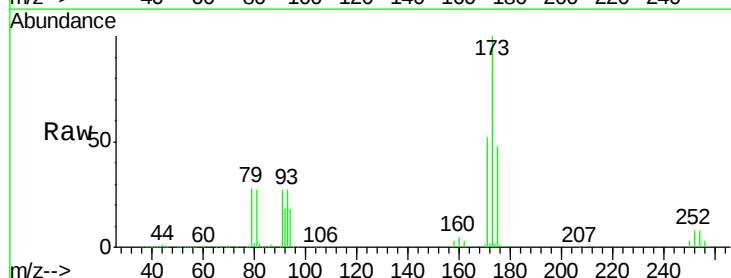
Tgt Ion: 173 Resp: 190688

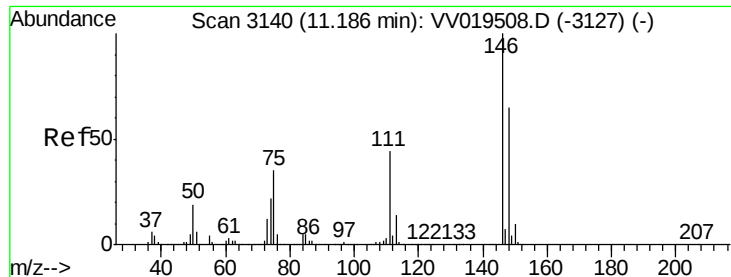
Ion Ratio Lower Upper

173 100

175 48.6 38.4 57.6

254 8.0 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 51.401 ug/L

RT: 11.18 min Scan# 3139

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

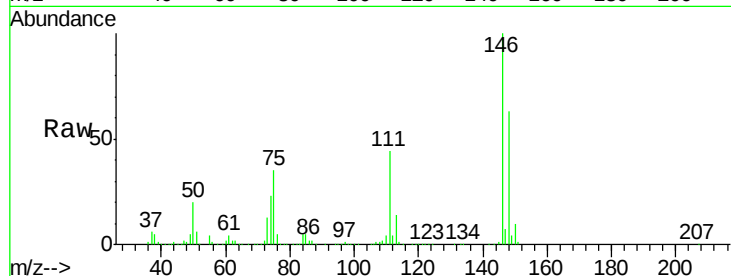
Tgt Ion:146 Resp: 537400

Ion Ratio Lower Upper

146 100

111 44.4 30.7 57.1

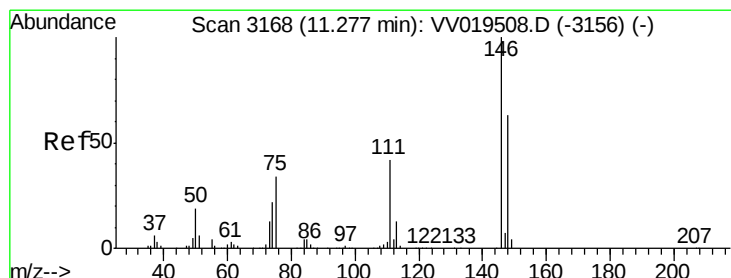
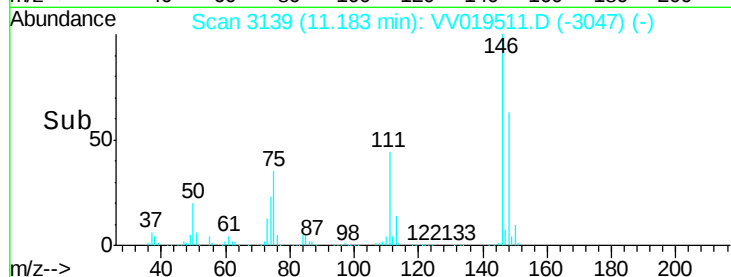
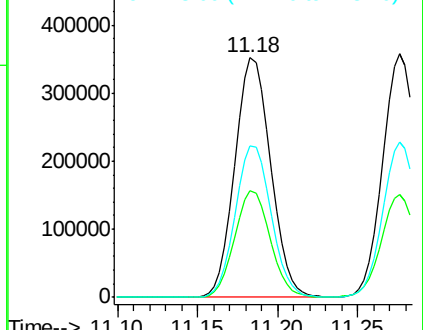
148 63.5 45.3 84.1



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



#63

1,4-Dichlorobenzene

Concen: 51.272 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

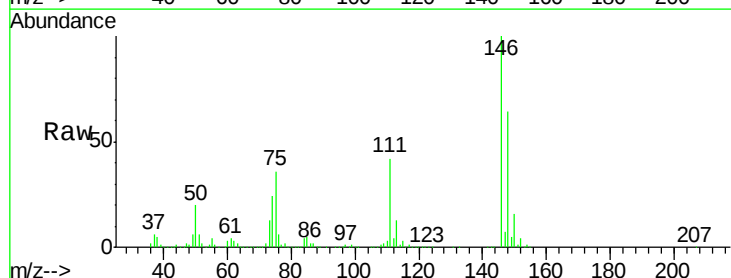
Tgt Ion:146 Resp: 543201

Ion Ratio Lower Upper

146 100

111 42.0 29.8 55.4

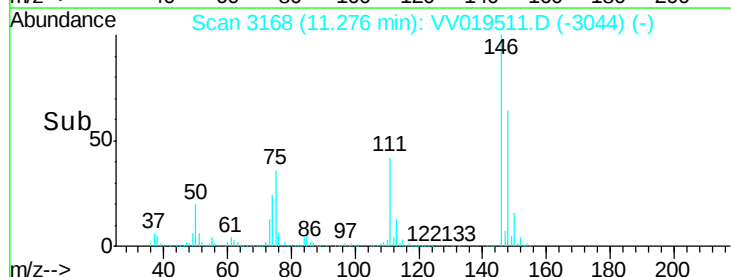
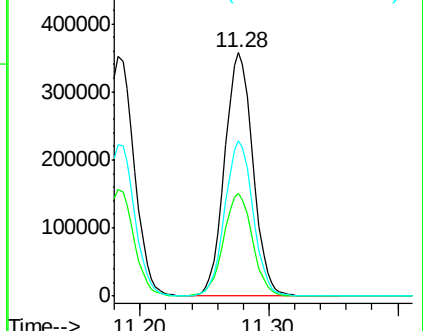
148 63.7 44.2 82.0

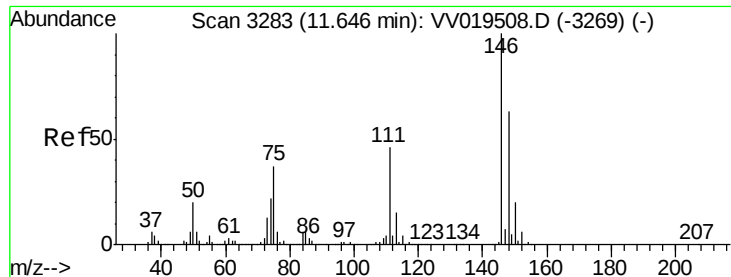


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

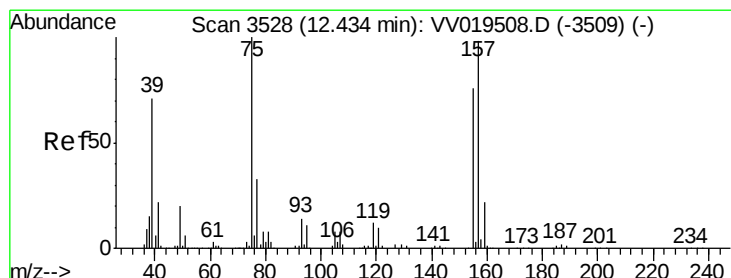
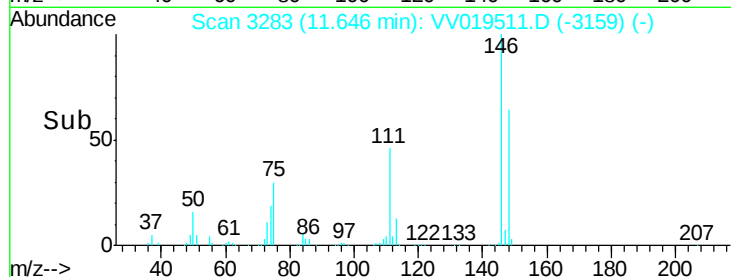
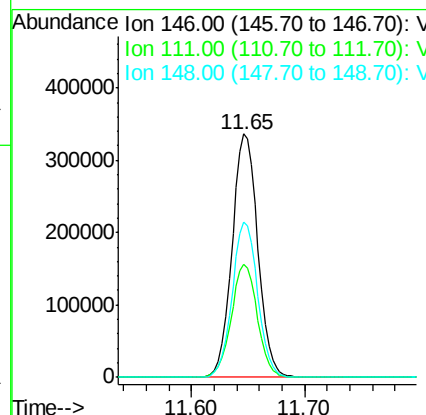
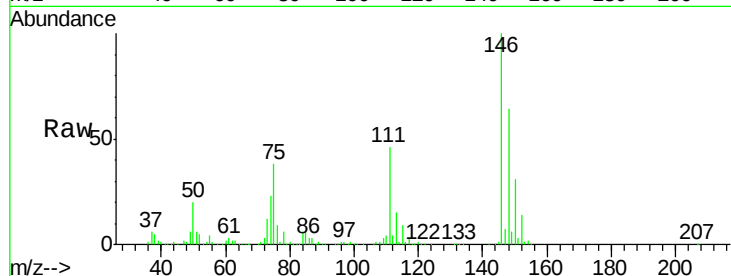




#65
 1,2-Dichlorobenzene
 Concen: 51.279 ug/L
 RT: 11.65 min Scan# 3283
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

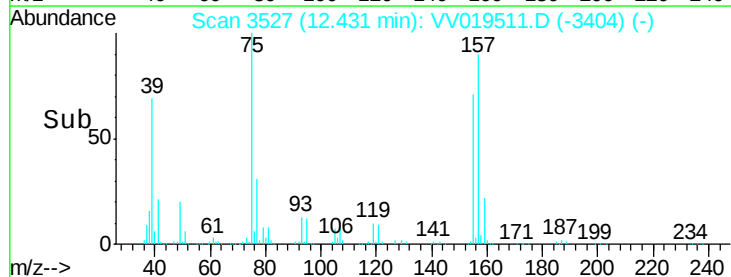
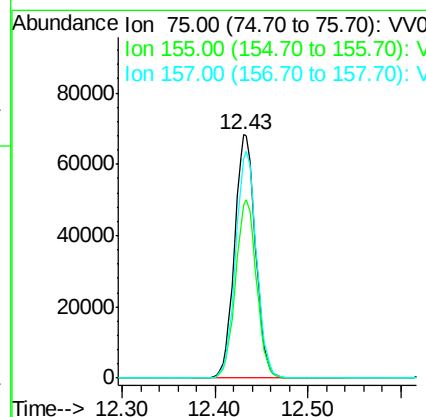
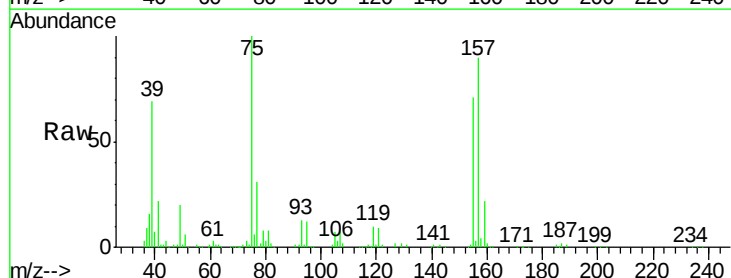
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

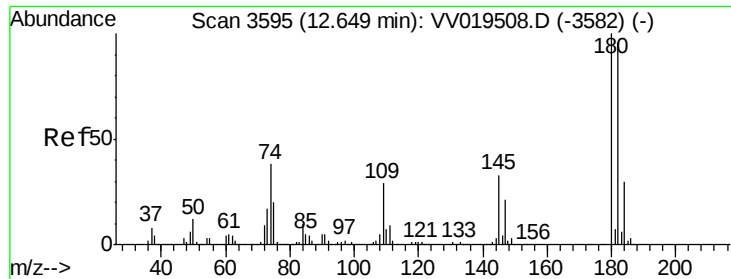
Tgt Ion: 146 Resp: 530369
 Ion Ratio Lower Upper
 146 100
 111 46.4 36.6 55.0
 148 63.6 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.099 ug/L
 RT: 12.43 min Scan# 3527
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

Tgt Ion: 75 Resp: 106863
 Ion Ratio Lower Upper
 75 100
 155 71.2 61.1 91.7
 157 90.2 78.7 118.1

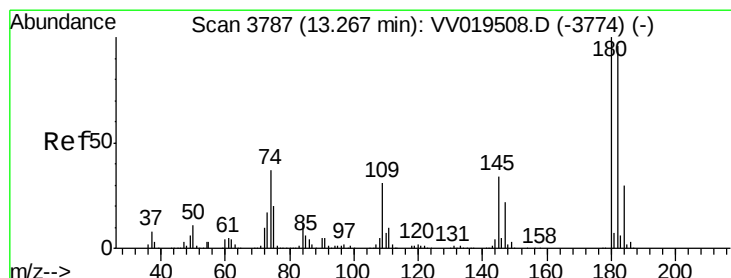
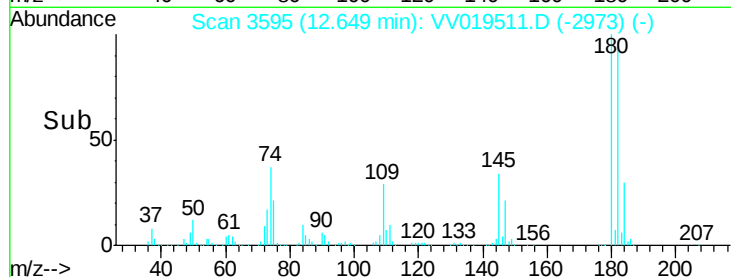
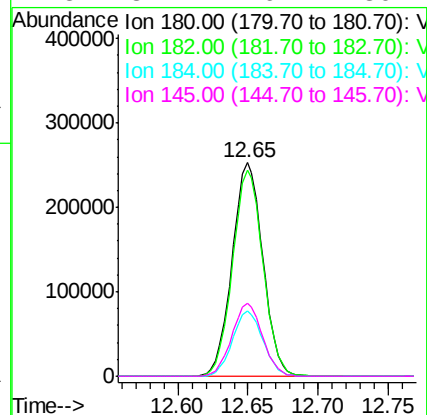
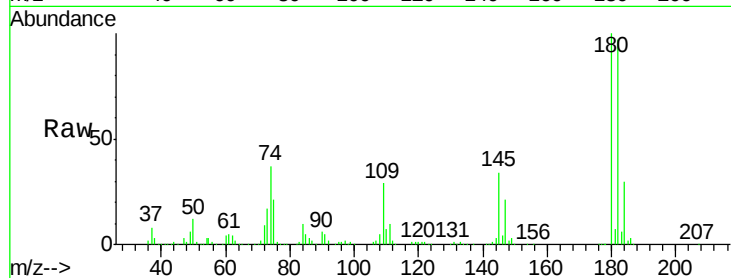




#67
 1,3,5-Trichlorobenzene
 Concen: 52.071 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

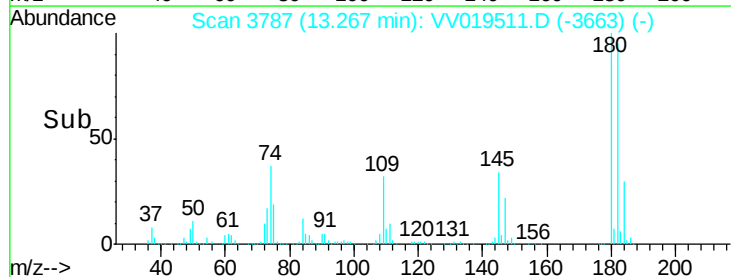
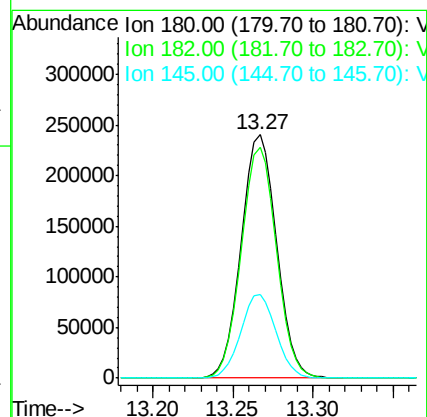
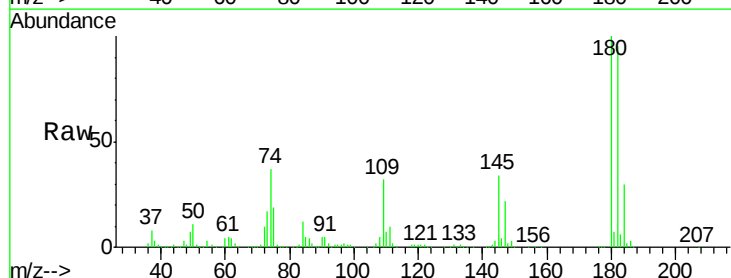
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

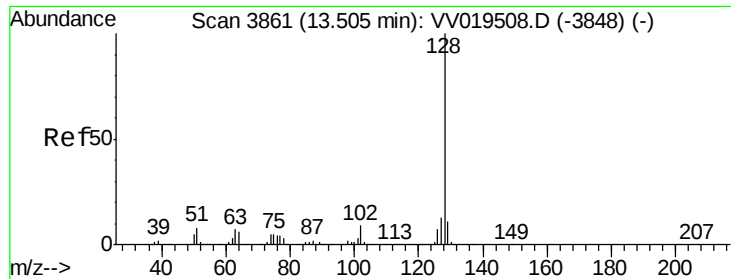
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.6
184	30.5	23.9	35.9
145	34.2	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 52.488 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. -0.00 min
 Lab File: VV019511.D
 Acq: 10 Dec 2020 15:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.5	114.7
145	34.2	27.0	40.6





#69

Naphthalene

Concen: 51.814 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

Instrument :

MSVOA_V

ClientSampled :

VSTD05062

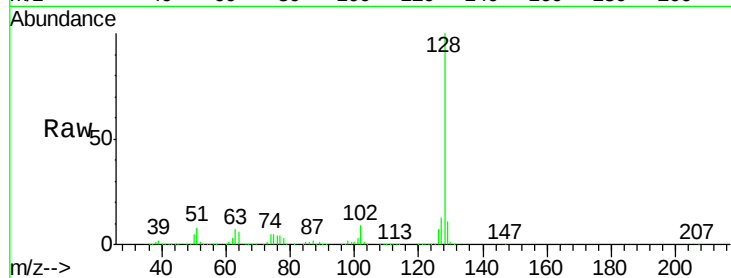
Tgt Ion:128 Resp: 1249971

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

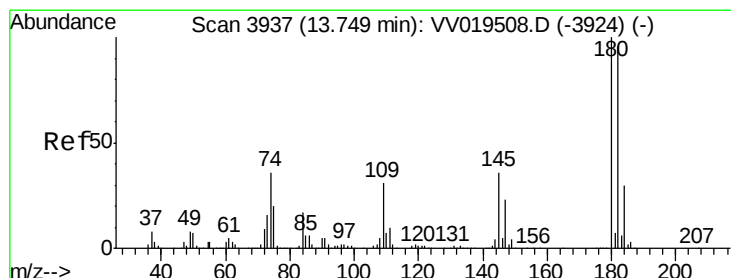
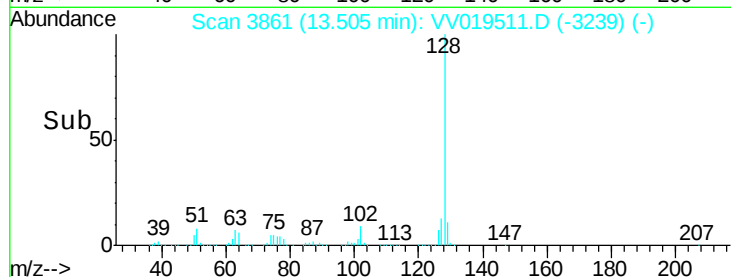
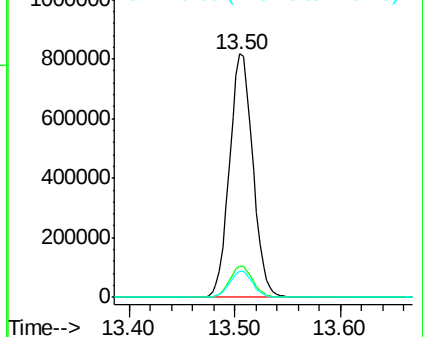
129 10.7 8.6 12.8



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: 52.043 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. -0.00 min

Lab File: VV019511.D

Acq: 10 Dec 2020 15:14

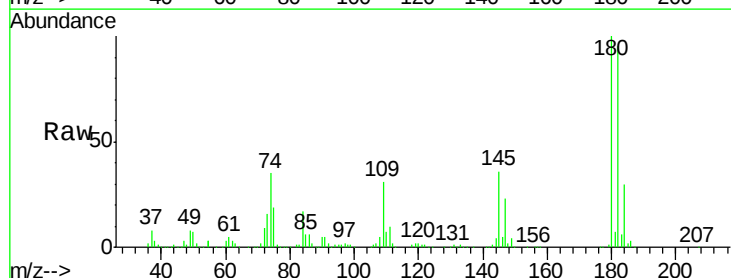
Tgt Ion:180 Resp: 351530

Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.6

145 35.8 29.1 43.7



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

