

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121020\
 Data File : VV019508.D
 Acq On : 10 Dec 2020 12:29
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Quant Time: Dec 10 14:40:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 14:37:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	746533	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	701989	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	342189	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	134228	32.30	ug/L	0.00
7) Chloroethane-d5	1.57	69	107110	25.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.11	63	314238	32.08	ug/L	0.00
21) 2-Butanone-d5	3.89	46	155077	49.92	ug/L	0.00
24) Chloroform-d	4.35	84	253896	26.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.04	65	159449	25.04	ug/L	0.00
32) Benzene-d6	5.05	84	472805	27.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.07	67	147882	25.04	ug/L	0.00
41) Toluene-d8	7.32	98	428342	28.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.62	79	84796	29.58	ug/L	0.00
47) 2-Hexanone-d5	8.09	63	118809	67.50	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.22	84	205666	29.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.63	152	160005	28.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	302601	79.593 ug/L	100
3) Chloromethane	1.24	50	328189	78.816 ug/L	100
5) Vinyl chloride	1.31	62	329510	69.311 ug/L	100
6) Bromomethane	1.52	94	196626	48.227 ug/L	100
8) Chloroethane	1.59	64	198418	56.452 ug/L	100
9) Trichlorofluoromethane	1.76	101	407692	55.399 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	216900	51.101 ug/L	100
12) 1,1-Dichloroethene	2.12	96	228401	55.760 ug/L	100
13) Acetone	2.19	43	252661	65.013 ug/L	100
14) Carbon disulfide	2.30	76	751536	64.188 ug/L	100
15) Methyl Acetate	2.43	43	285854	44.215 ug/L	100
16) Methylene chloride	2.51	84	261493	47.795 ug/L	100
17) trans-1,2-Dichloroethene	2.76	96	250650	54.511 ug/L	100
18) Methyl tert-butyl Ether	2.77	73	872995	52.191 ug/L	100
19) 1,1-Dichloroethane	3.19	63	481672	46.411 ug/L	100
20) cis-1,2-Dichloroethene	3.92	96	275215	52.027 ug/L	100
22) 2-Butanone	3.97	43	400985	82.548 ug/L	100
23) Bromochloromethane	4.25	128	135010	51.757 ug/L	100
25) Chloroform	4.38	83	479321	46.652 ug/L	100
27) 1,2-Dichloroethane	5.14	62	402338	48.017 ug/L	100
29) Cyclohexane	4.68	56	436285	58.742 ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	447813	52.705 ug/L	100
31) Carbon tetrachloride	4.83	117	378123	54.030 ug/L	100
33) Benzene	5.10	78	1041438	52.247 ug/L	100
34) Trichloroethene	5.92	95	274280	49.226 ug/L	100
35) Methylcyclohexane	6.14	83	414488	60.036 ug/L	100
37) 1,2-Dichloropropane	6.18	63	274929	47.529 ug/L	100
38) Bromodichloromethane	6.51	83	377744	49.906 ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	463163	55.285 ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	803744	94.764 ug/L	100

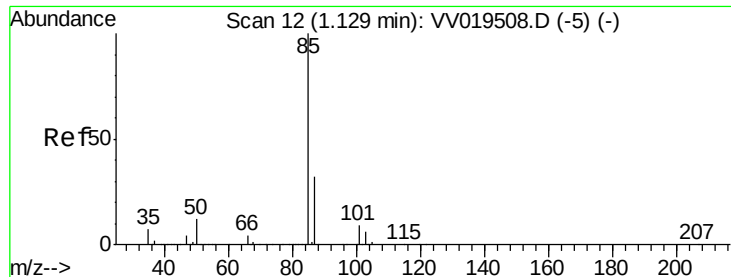
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121020\
 Data File : VV019508.D
 Acq On : 10 Dec 2020 12:29
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Quant Time: Dec 10 14:40:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 14:37:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.39	91	1108482	54.871	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	457460	53.914	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	255387	48.679	ug/L	100
46) Tetrachloroethene	7.98	164	191444	55.666	ug/L	100
48) 2-Hexanone	8.14	43	600486	89.125	ug/L	100
49) Dibromochloromethane	8.25	129	283648	51.619	ug/L	100
50) 1,2-Dibromoethane	8.36	107	275021	52.239	ug/L	100
51) Chlorobenzene	8.88	112	700760	53.116	ug/L	100
52) Ethylbenzene	9.02	91	1264570	56.877	ug/L	100
53) m,p-Xylene	9.14	106	471542	59.041	ug/L	100
54) o-xylene	9.55	106	462770	59.840	ug/L	100
55) Styrene	9.56	104	811414	59.261	ug/L	100
56) Isopropylbenzene	9.94	105	1239658	59.211	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.24	83	411963	51.482	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	339573	47.266	ug/L	100
61) Bromoform	9.74	173	193831	50.843	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	532941	53.750	ug/L	100
63) 1,4-Dichlorobenzene	11.28	146	540554	52.120	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	528904	52.268	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.43	75	110934	54.618	ug/L	100
67) 1,3,5-Trichlorobenzene	12.65	180	380004	51.453	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	354432	54.187	ug/L	100
69) Naphthalene	13.50	128	1275290	68.858	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	349938	52.422	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 79.593 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

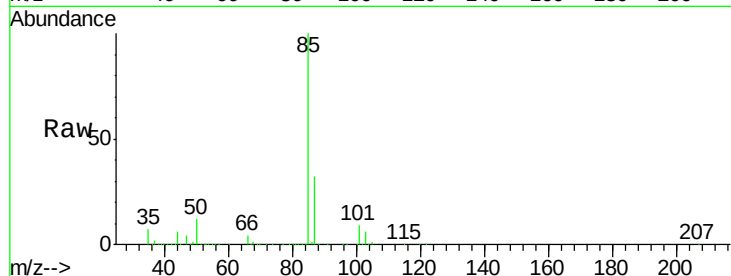
VSTD05062

Tgt Ion: 85 Resp: 302601

Ion Ratio Lower Upper

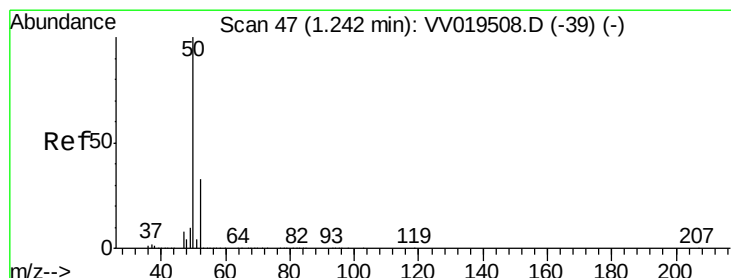
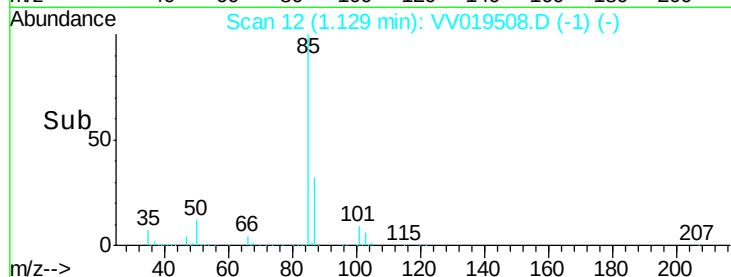
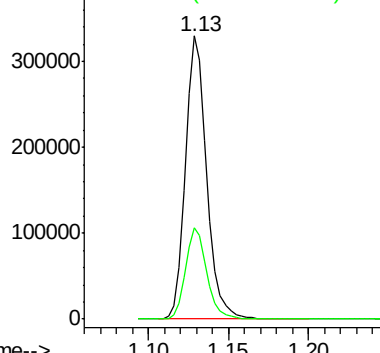
85 100

87 32.1 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: 78.816 ug/L

RT: 1.24 min Scan# 47

Delta R.T. 0.00 min

Lab File: VV019508.D

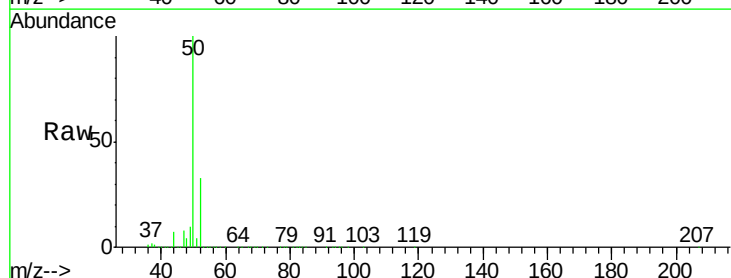
Acq: 10 Dec 2020 12:29

Tgt Ion: 50 Resp: 328189

Ion Ratio Lower Upper

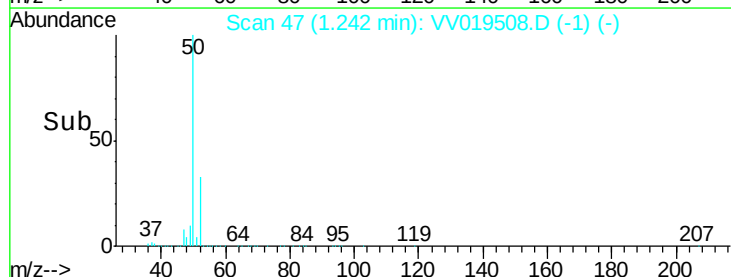
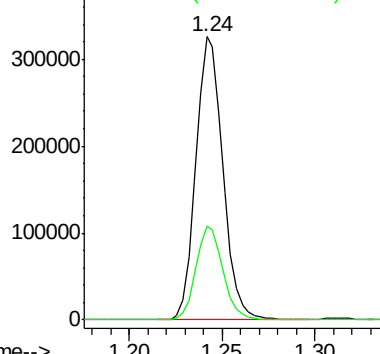
50 100

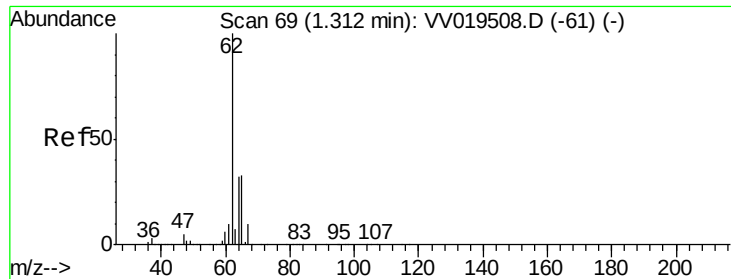
52 33.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 69.311 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

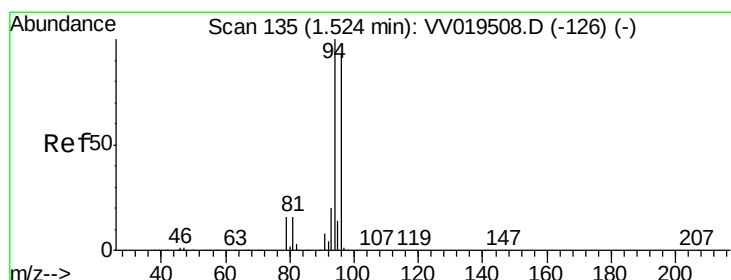
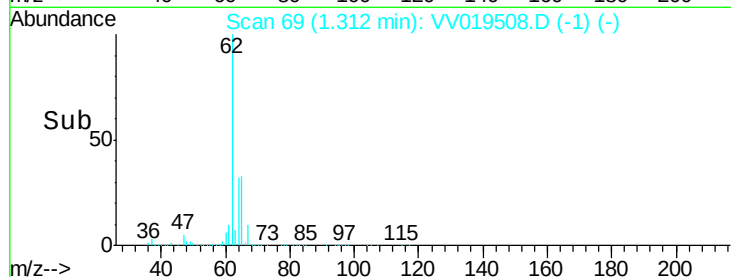
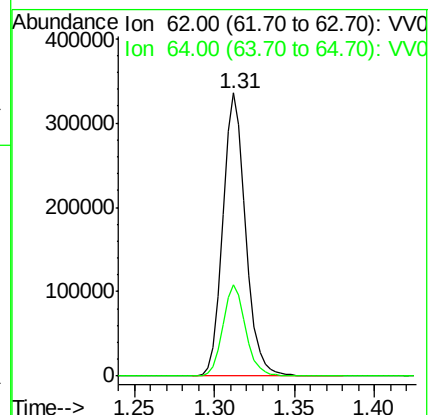
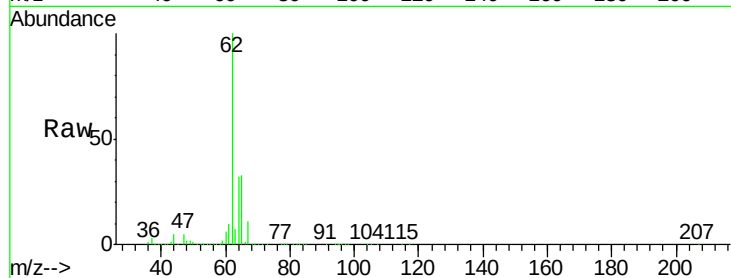
VSTD05062

Tgt Ion: 62 Resp: 329510

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



#6

Bromomethane

Concen: 48.227 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019508.D

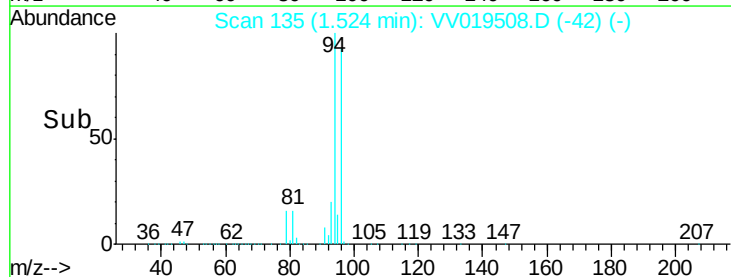
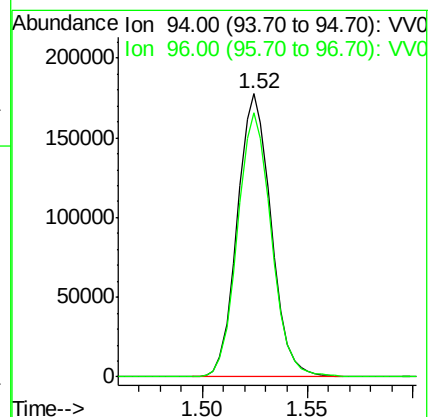
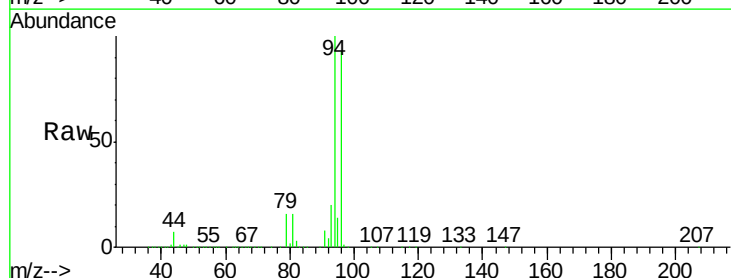
Acq: 10 Dec 2020 12:29

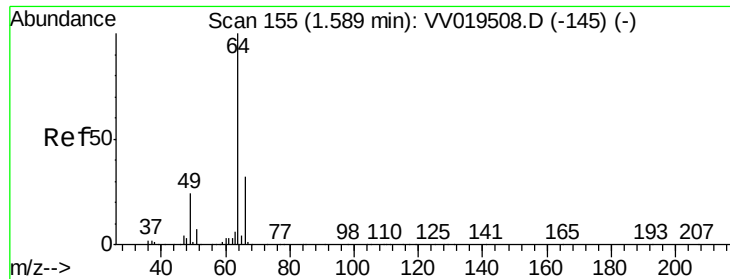
Tgt Ion: 94 Resp: 196626

Ion Ratio Lower Upper

94 100

96 93.2 65.2 121.2

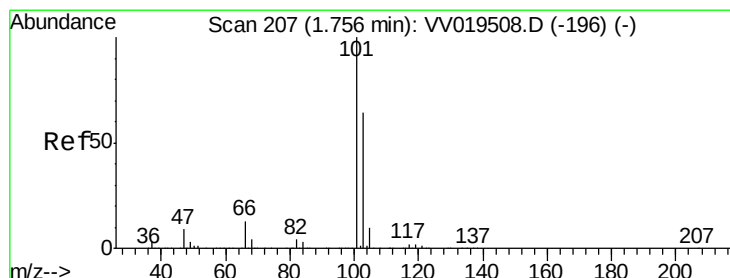
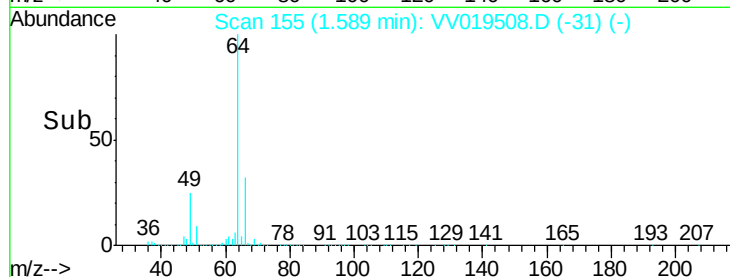
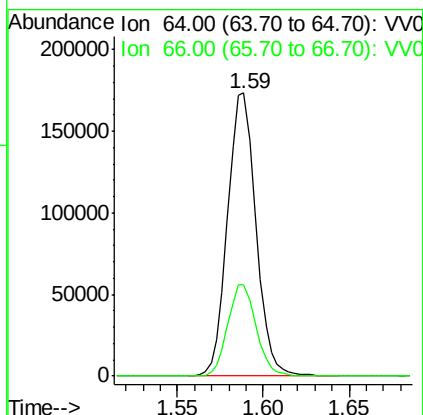
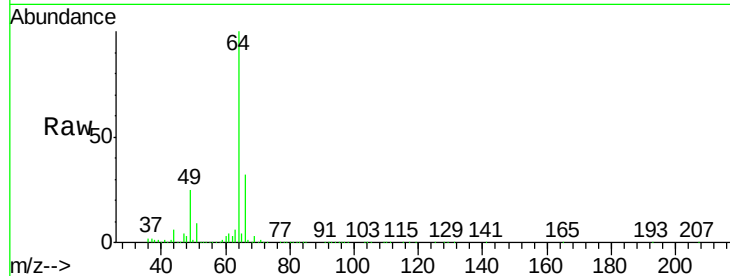




#8
Chloroethane
Concen: 56.452 ug/L
RT: 1.59 min Scan# 155
Delta R.T. 0.00 min
Lab File: VV019508.D
Acq: 10 Dec 2020 12:29

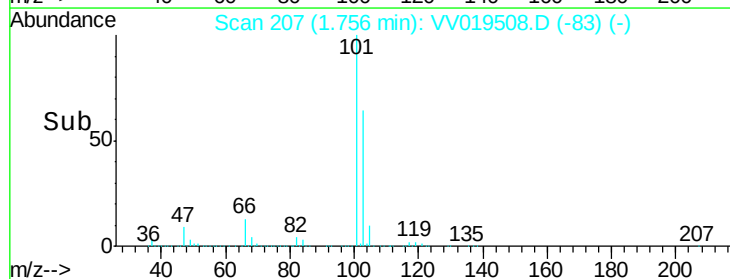
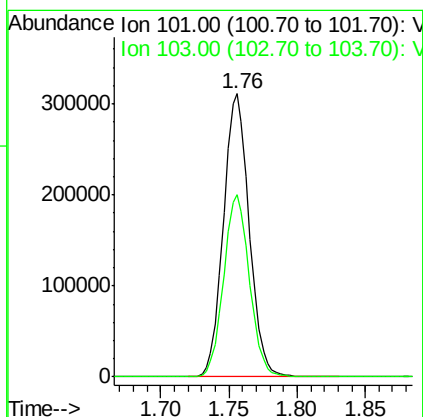
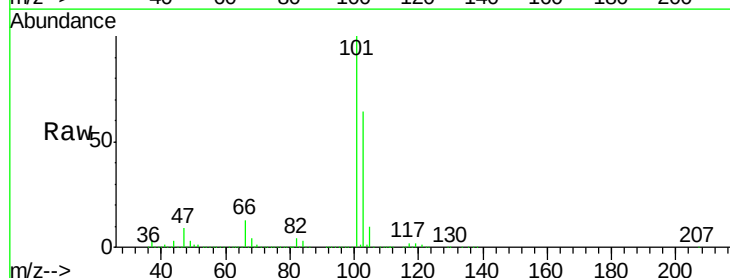
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

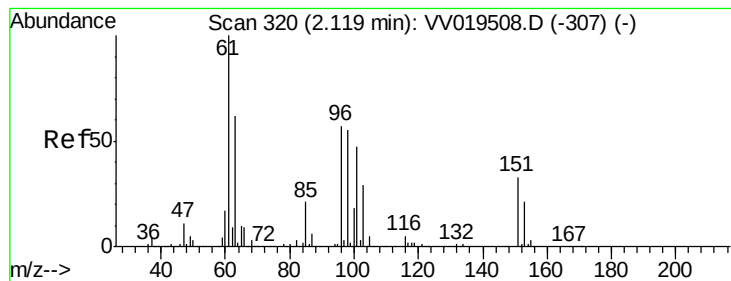
Tgt Ion: 64 Resp: 198418
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.7



#9
Trichlorofluoromethane
Concen: 55.399 ug/L
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV019508.D
Acq: 10 Dec 2020 12:29

Tgt Ion: 101 Resp: 407692
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4





#10

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

Concen: 51.101 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

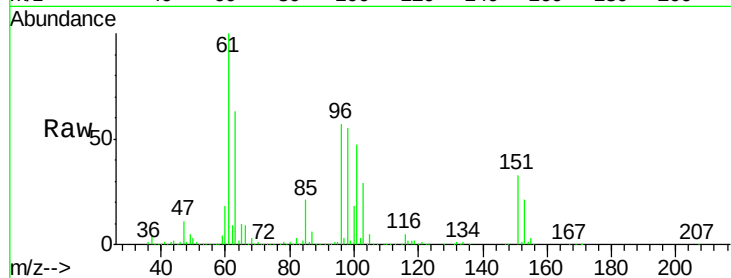
Tgt Ion: 101 Resp: 216900

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.4

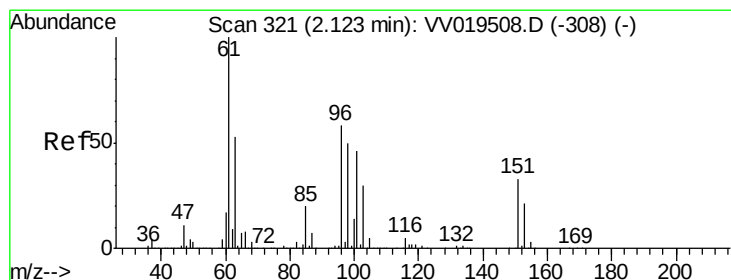
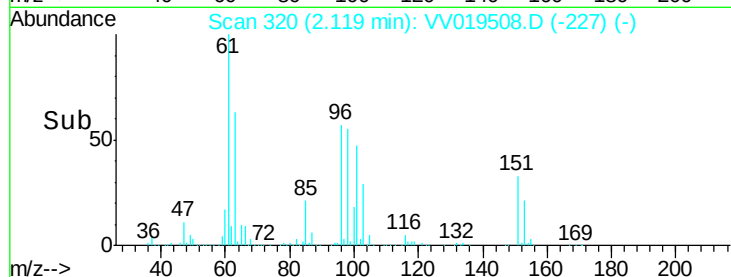
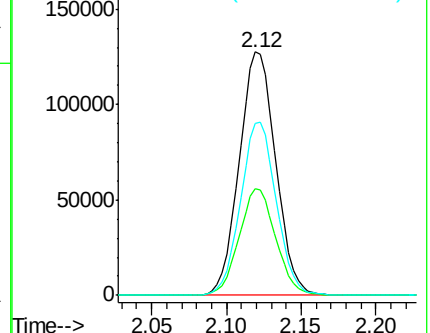
151 69.8 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 55.760 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

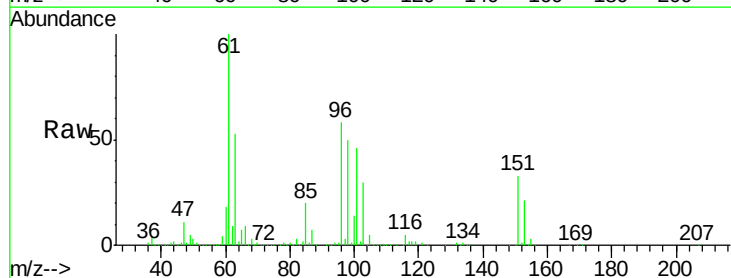
Tgt Ion: 96 Resp: 228401

Ion Ratio Lower Upper

96 100

61 172.4 120.7 224.1

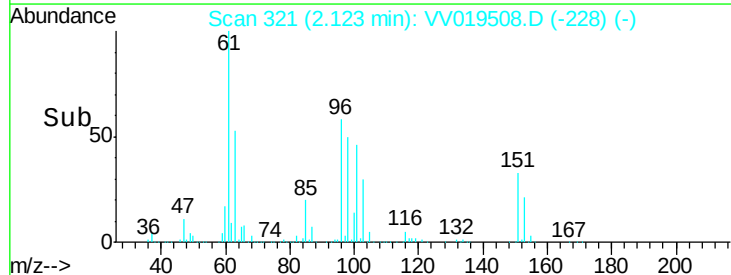
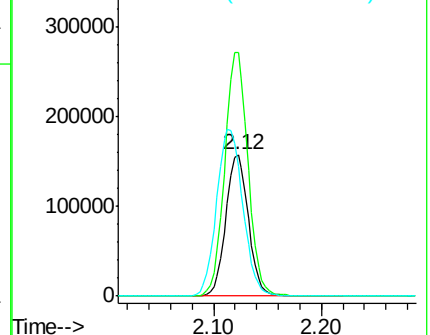
63 91.9 64.3 119.5

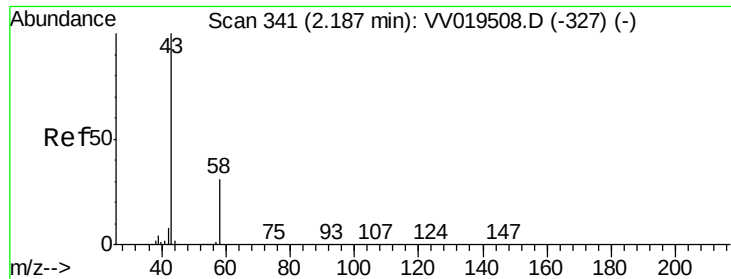


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 65.013 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

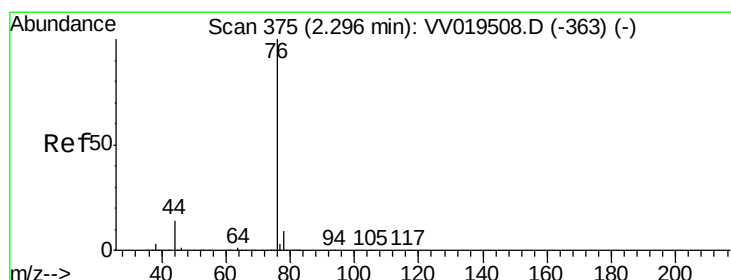
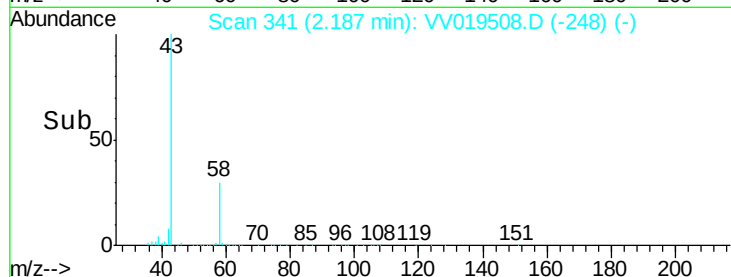
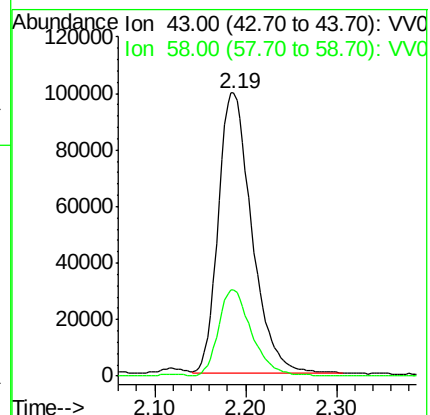
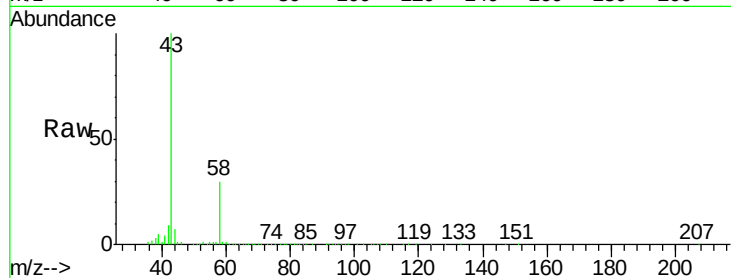
VSTD05062

Tgt Ion: 43 Resp: 252661

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.6



#14

Carbon disulfide

Concen: 64.188 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019508.D

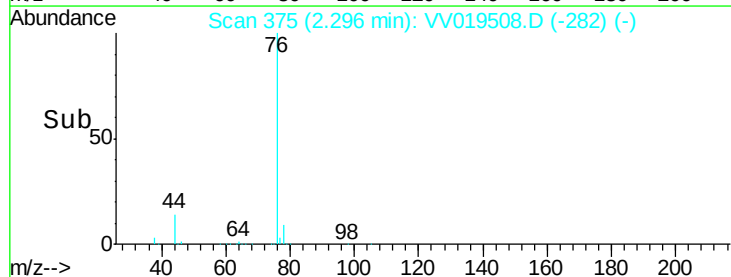
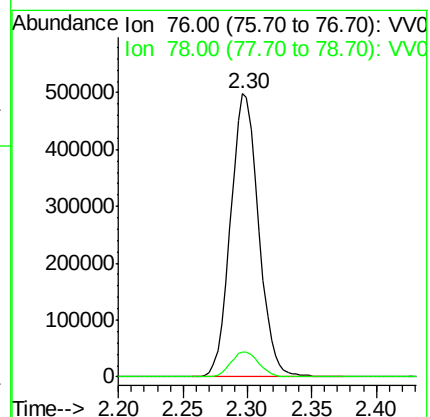
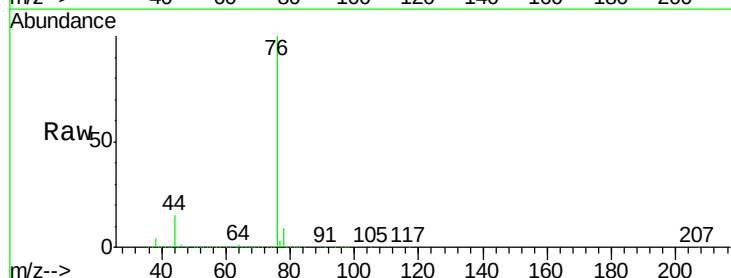
Acq: 10 Dec 2020 12:29

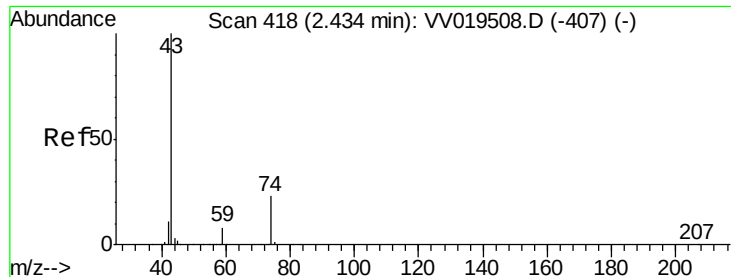
Tgt Ion: 76 Resp: 751536

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 44.215 ug/L

RT: 2.43 min Scan# 418

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

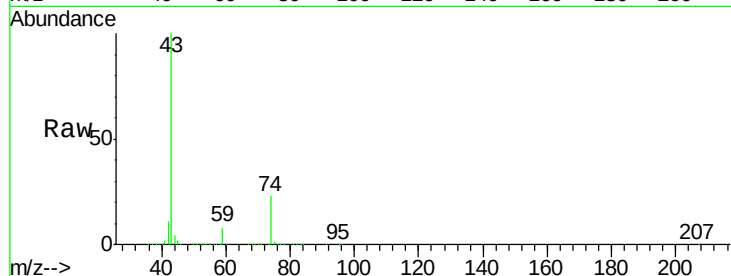
VSTD05062

Tgt Ion: 43 Resp: 285854

Ion Ratio Lower Upper

43 100

74 22.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV019508.D (-407) (-)

Ion 74.00 (73.70 to 74.70): VV019508.D (-407) (-)

2.43

150000

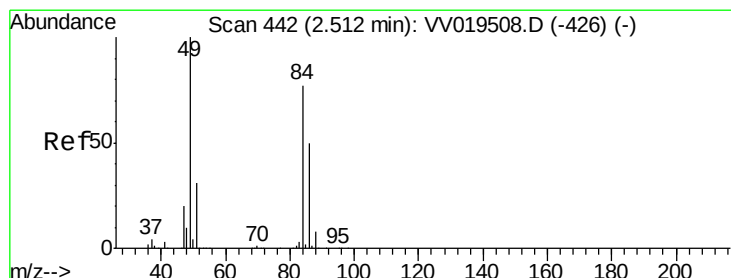
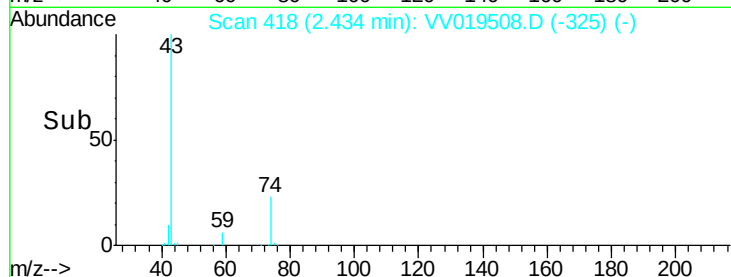
100000

50000

0

2.40 2.50

Time-->



#16

Methylene chloride

Concen: 47.795 ug/L

RT: 2.51 min Scan# 442

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

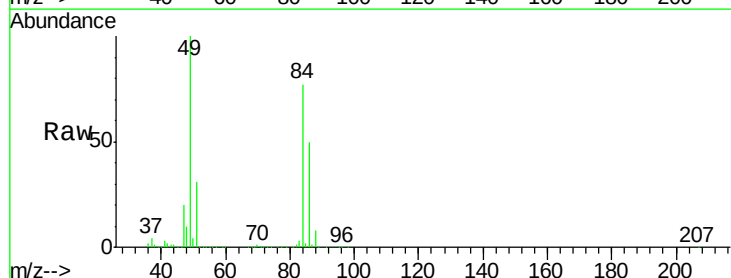
Tgt Ion: 84 Resp: 261493

Ion Ratio Lower Upper

84 100

86 65.3 45.7 84.9

49 129.5 90.6 168.3



Abundance Ion 84.00 (83.70 to 84.70): VV019508.D (-426) (-)

Ion 86.00 (85.70 to 86.70): VV019508.D (-426) (-)

Ion 49.00 (48.70 to 49.70): VV019508.D (-426) (-)

2.51

250000

200000

150000

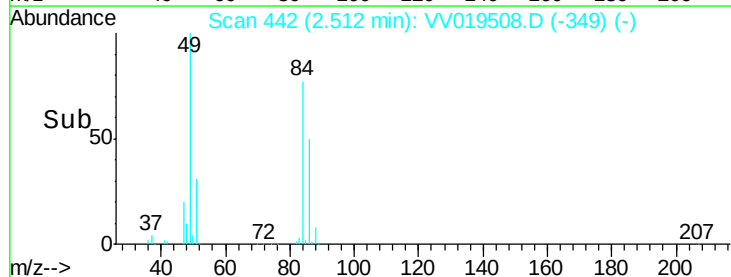
100000

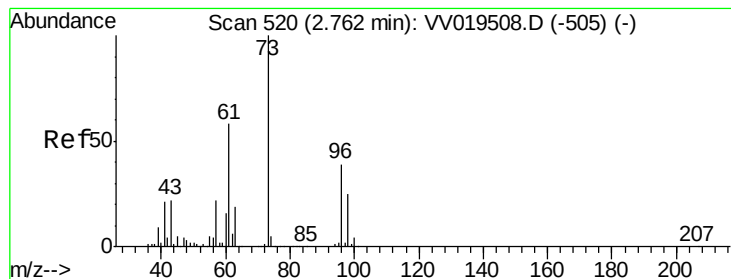
50000

0

2.45 2.50 2.55 2.60

Time-->





#17

trans-1,2-Dichloroethene

Concen: 54.511 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

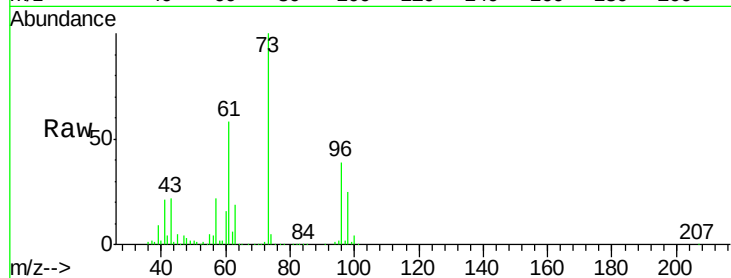
Tgt Ion: 96 Resp: 250650

Ion Ratio Lower Upper

96 100

61 147.8 103.5 192.1

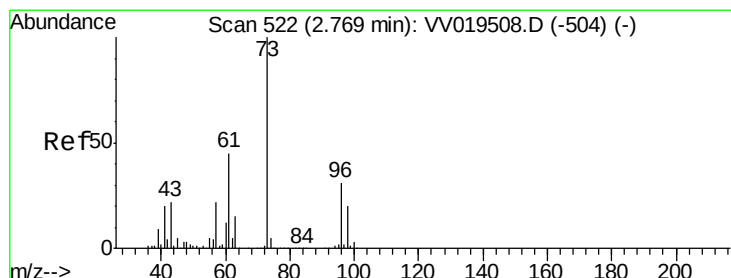
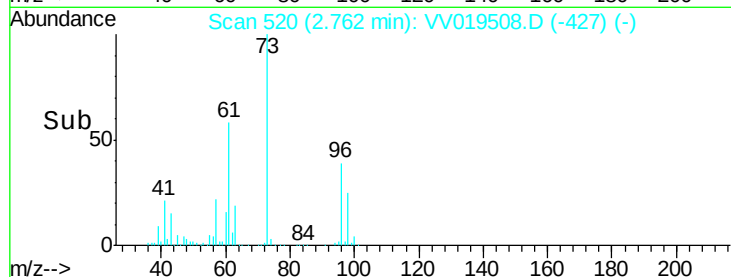
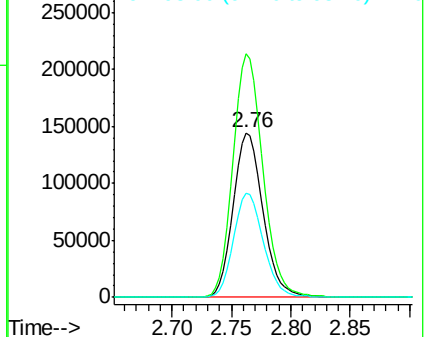
98 63.5 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 52.191 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

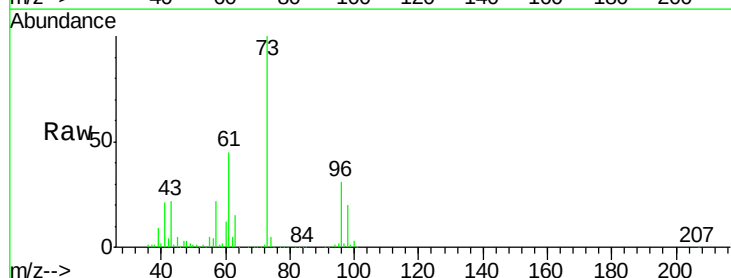
Tgt Ion: 73 Resp: 872995

Ion Ratio Lower Upper

73 100

43 21.6 17.3 25.9

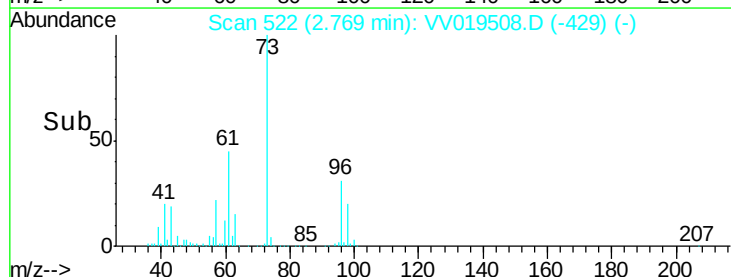
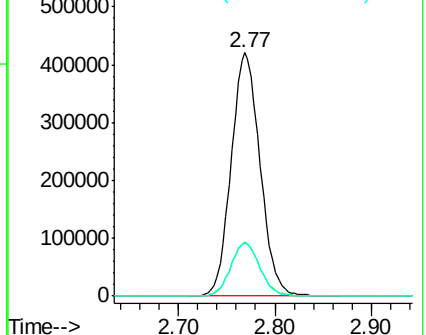
57 21.9 17.5 26.3

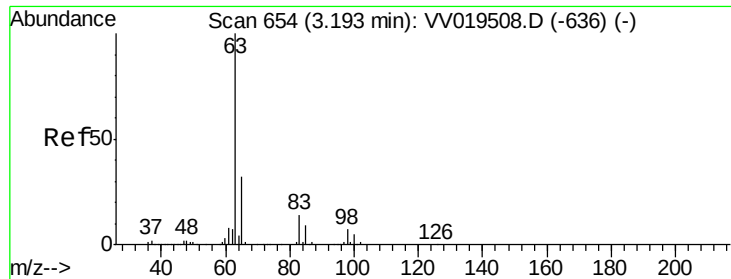


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

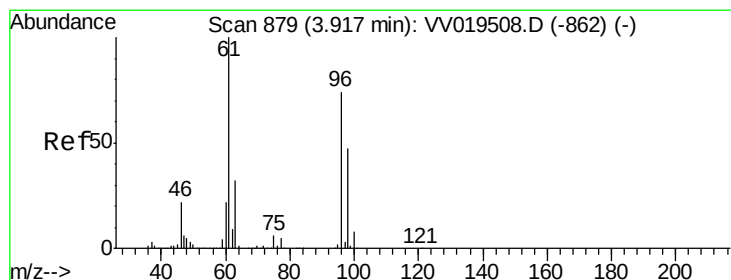
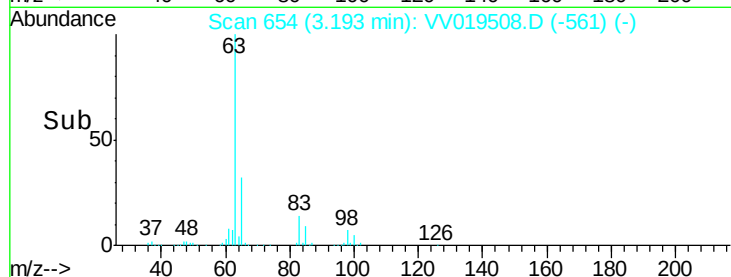
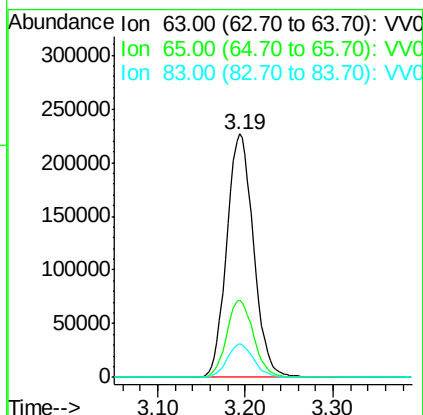
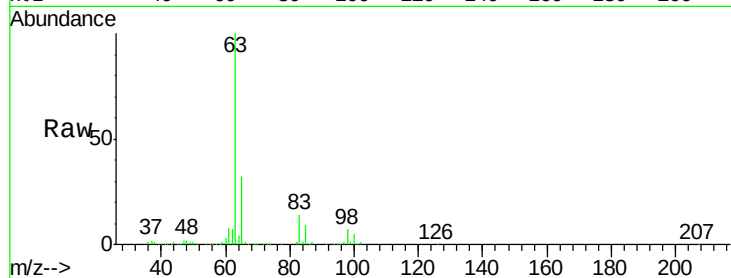




#19
 1,1-Dichloroethane
 Concen: 46.411 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

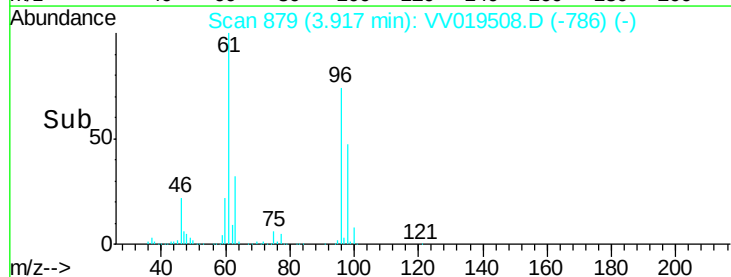
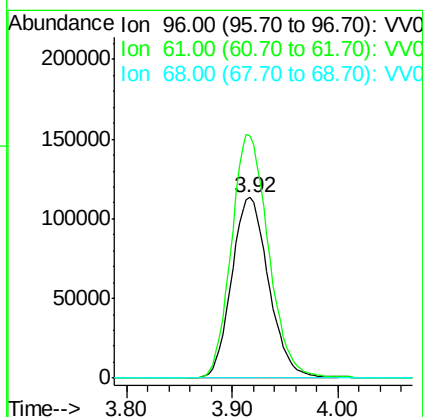
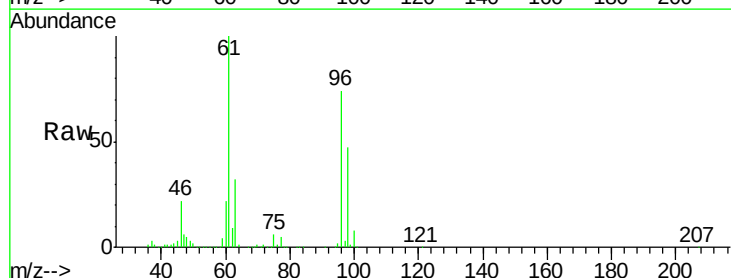
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

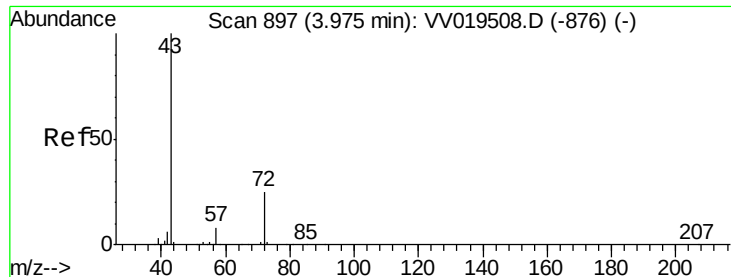
Tgt Ion: 63 Resp: 481672
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.4 41.6
 83 13.7 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 52.027 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

Tgt Ion: 96 Resp: 275215
 Ion Ratio Lower Upper
 96 100
 61 134.5 94.1 174.8
 68 0.1 0.1 0.1





#22

2-Butanone

Concen: 82.548 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampled :

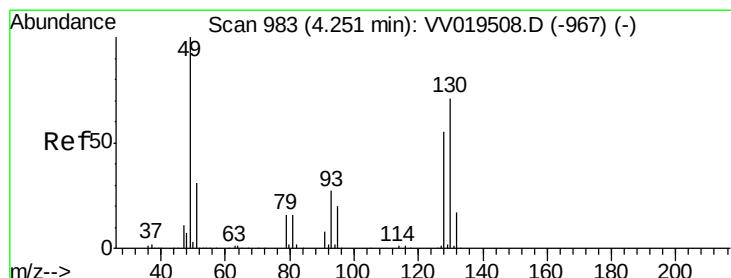
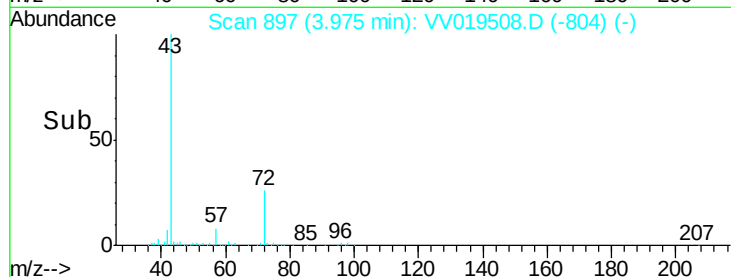
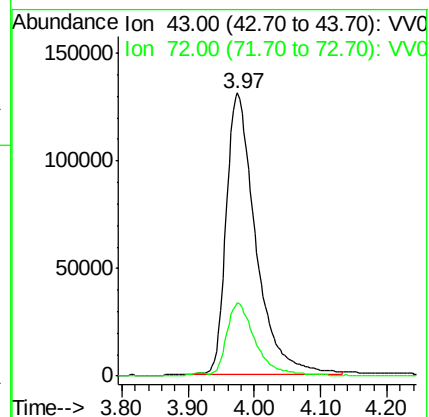
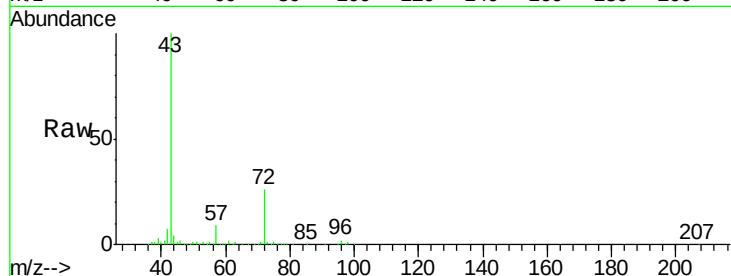
VSTD05062

Tgt Ion: 43 Resp: 400985

Ion Ratio Lower Upper

43 100

72 24.6 12.3 36.9



#23

Bromochloromethane

Concen: 51.757 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Tgt Ion: 128 Resp: 135010

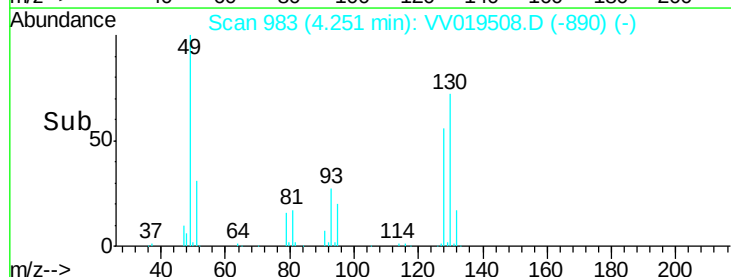
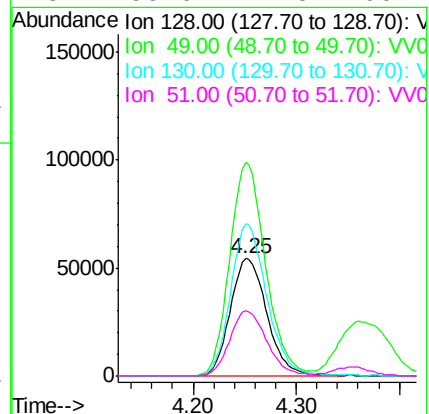
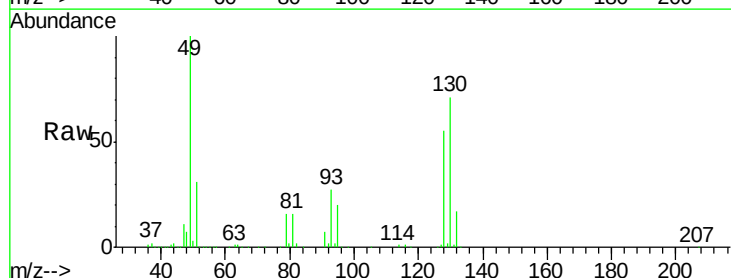
Ion Ratio Lower Upper

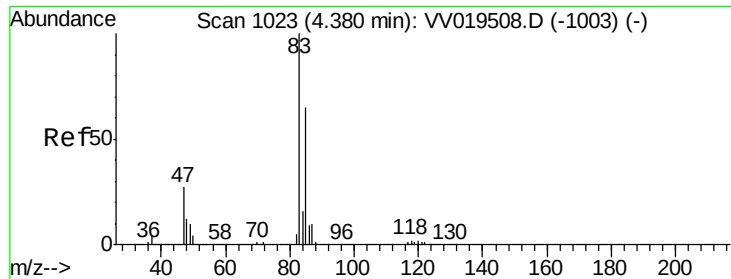
128 100

49 181.4 127.0 235.8

130 129.0 90.3 167.7

51 55.6 44.5 66.7





#25

Chloroform

Concen: 46.652 ug/L

RT: 4.38 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

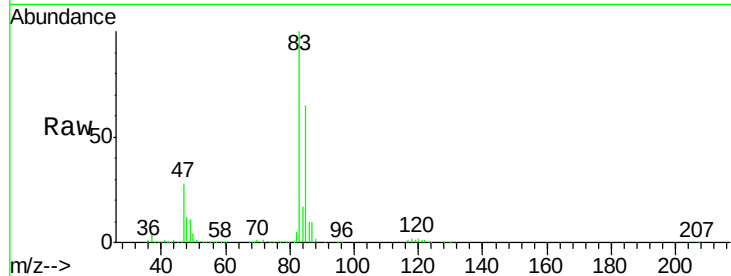
VSTD05062

Tgt Ion: 83 Resp: 479321

Ion Ratio Lower Upper

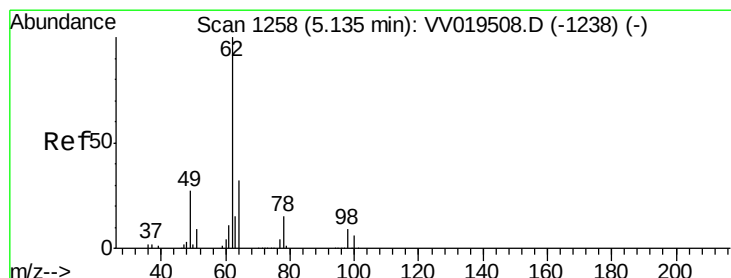
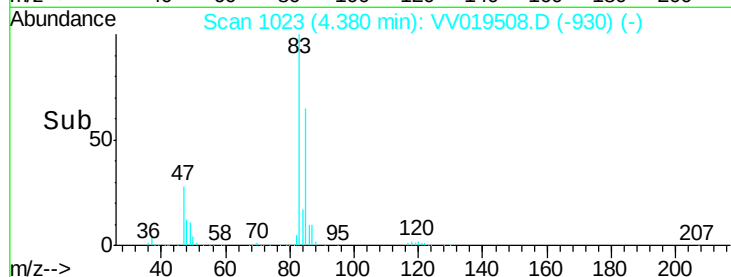
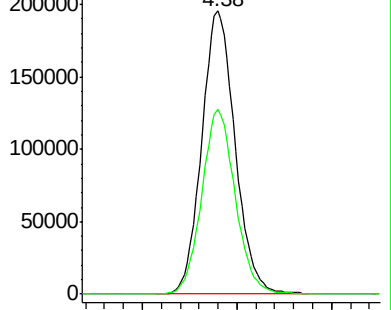
83 100

85 65.1 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VV019508.D (-1003) (-)

Ion 85.00 (84.70 to 85.70): VV019508.D (-1003) (-)



#27

1,2-Dichloroethane

Concen: 48.017 ug/L

RT: 5.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VV019508.D

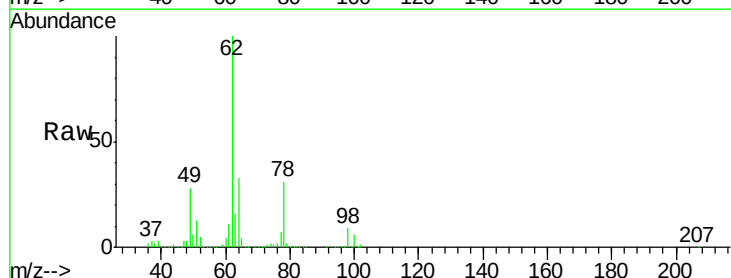
Acq: 10 Dec 2020 12:29

Tgt Ion: 62 Resp: 402338

Ion Ratio Lower Upper

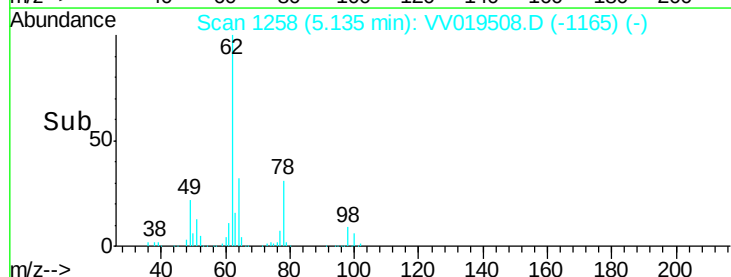
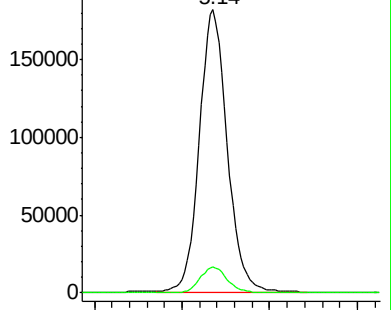
62 100

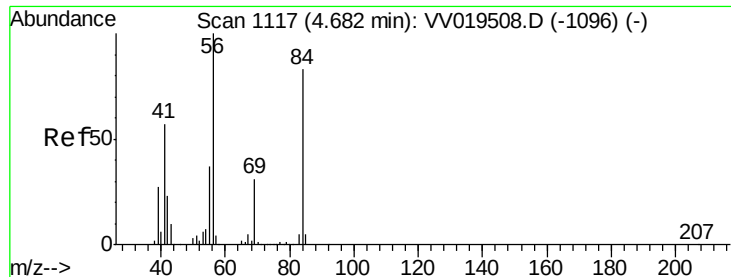
98 9.2 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV019508.D (-1238) (-)

Ion 98.00 (97.70 to 98.70): VV019508.D (-1238) (-)

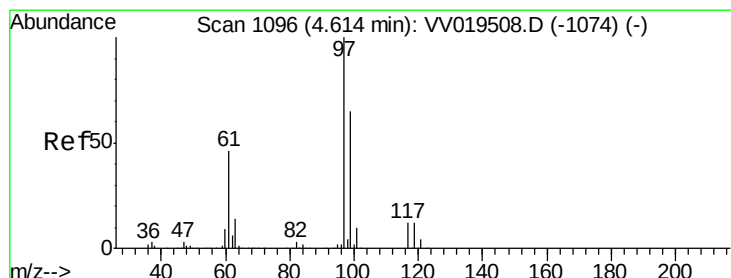
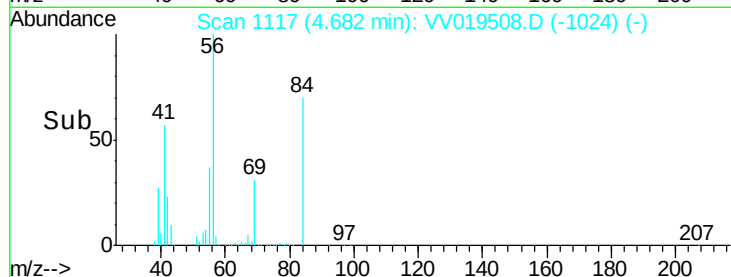
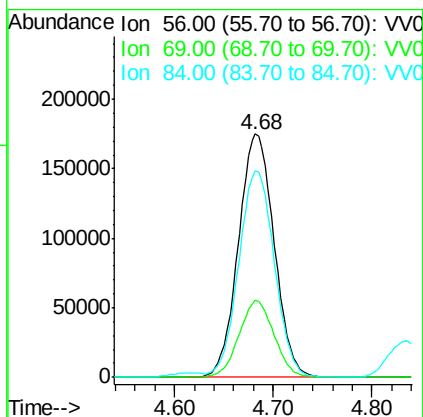
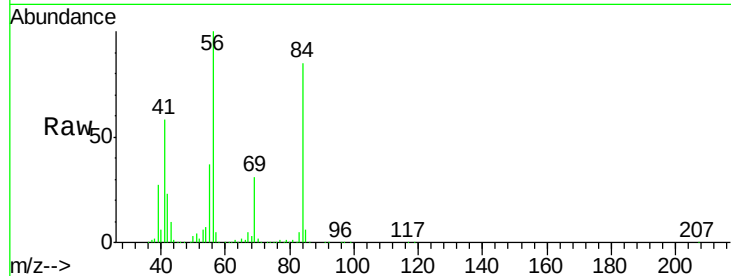




#29
Cyclohexane
Concen: 58.742 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VV019508.D
Acq: 10 Dec 2020 12:29

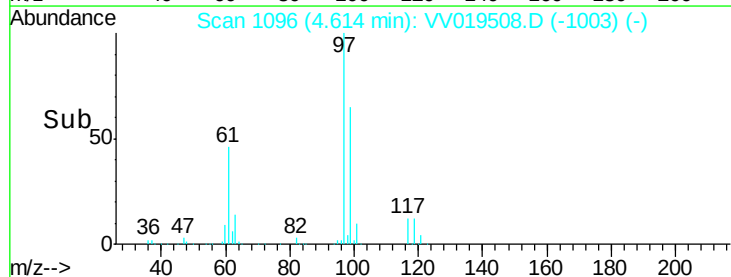
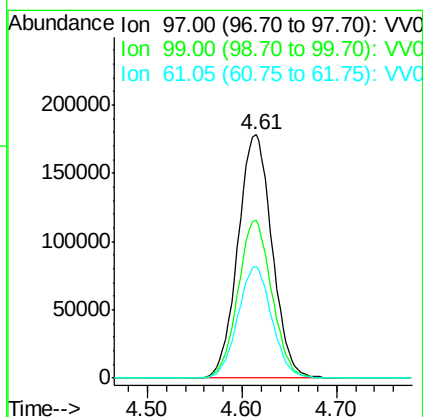
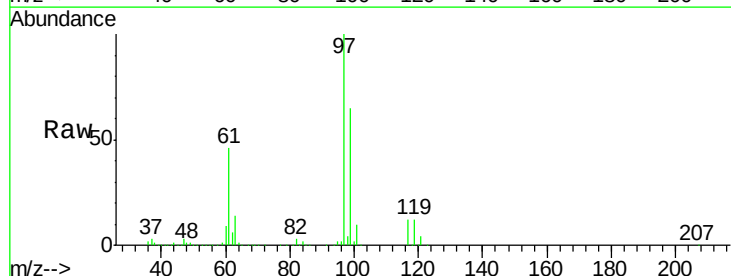
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

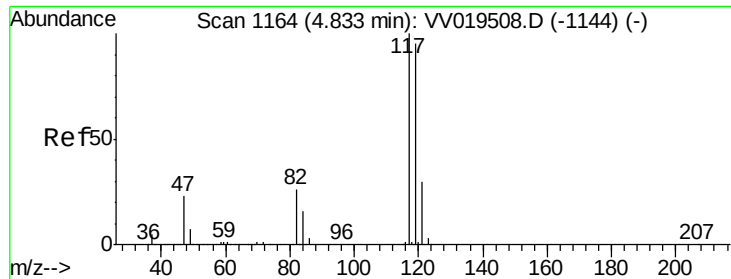
Tgt Ion: 56 Resp: 436285
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 85.3 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 52.705 ug/L
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VV019508.D
Acq: 10 Dec 2020 12:29

Tgt Ion: 97 Resp: 447813
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 45.4 36.3 54.5

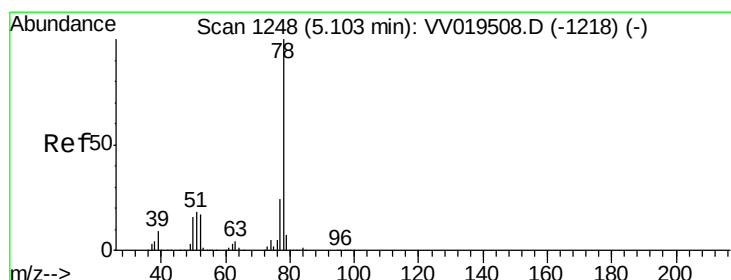
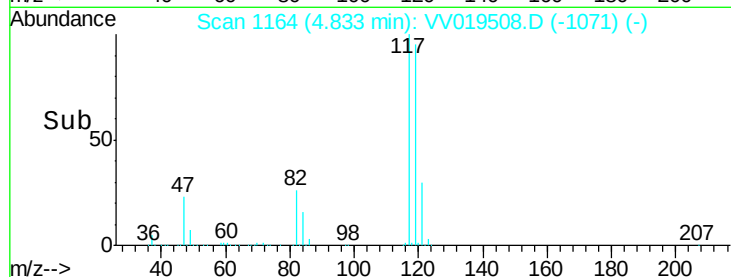
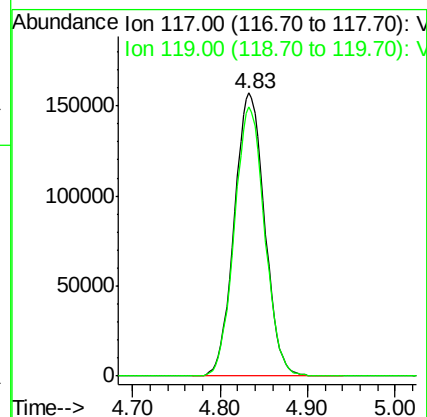
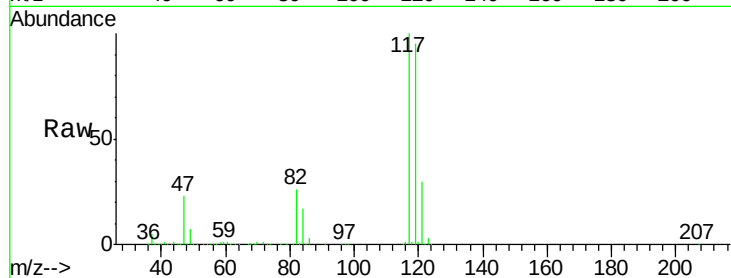




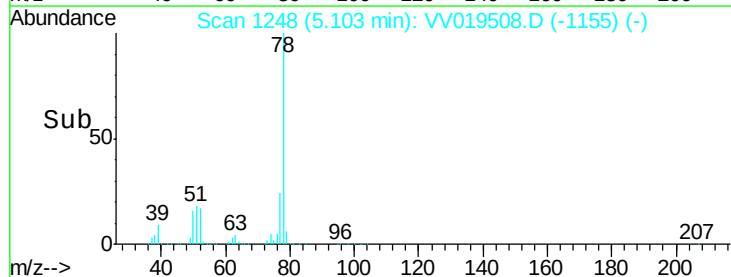
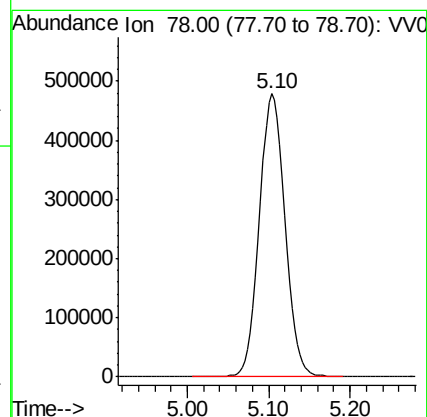
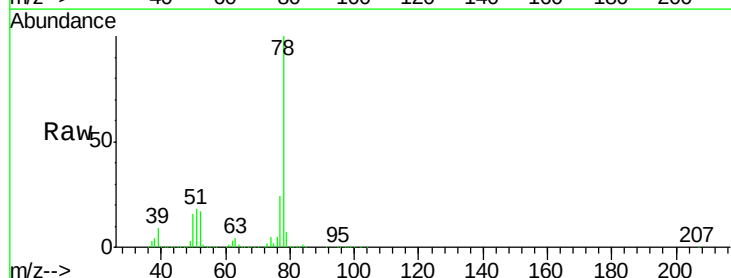
#31
Carbon tetrachloride
Concen: 54.030 ug/L
RT: 4.83 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VV019508.D
Acq: 10 Dec 2020 12:29

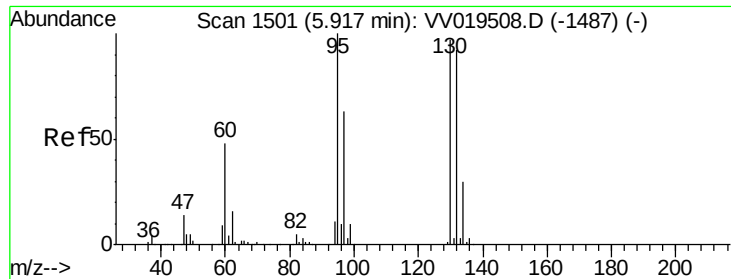
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

Tgt Ion:117 Resp: 378123
Ion Ratio Lower Upper
117 100
119 94.6 75.7 113.5



#33
Benzene
Concen: 52.247 ug/L
RT: 5.10 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VV019508.D
Acq: 10 Dec 2020 12:29
Tgt Ion: 78 Resp: 1041438

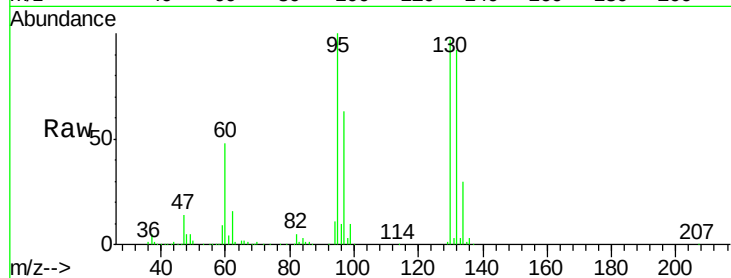




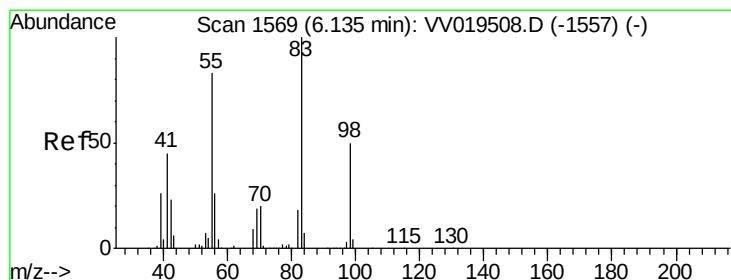
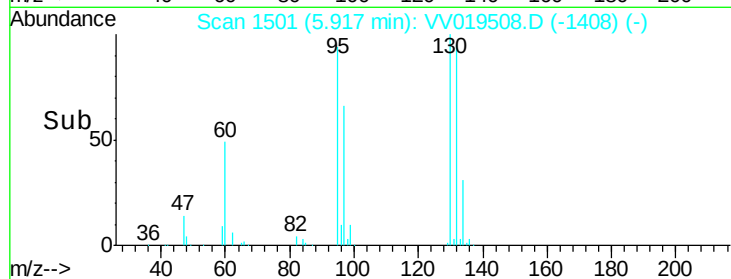
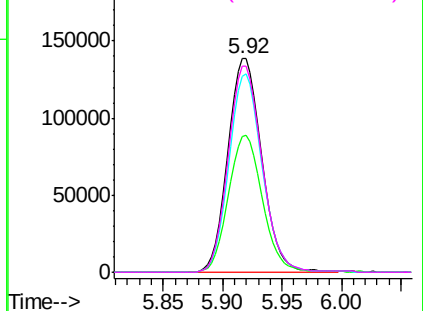
#34
 Trichloroethene
 Concen: 49.226 ug/L
 RT: 5.92 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Tgt Ion:	95	Resp:	274280
Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.4	82.4
132	91.8	64.3	119.3
130	96.8	67.8	125.8

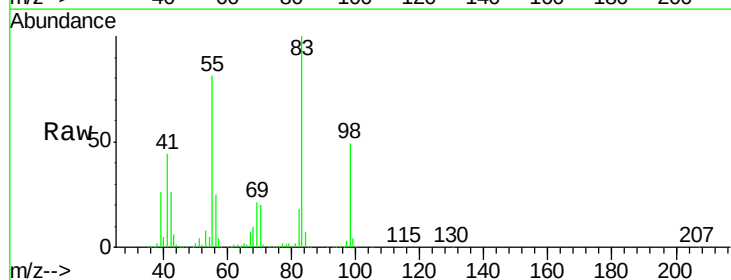


Abundance Ion 95.00 (94.70 to 95.70): VV019508.D (-1487) (-)
 Ion 97.00 (96.70 to 97.70): VV019508.D (-1487) (-)
 Ion 132.00 (131.70 to 132.70): VV019508.D (-1487) (-)
 Ion 130.00 (129.70 to 130.70): VV019508.D (-1487) (-)

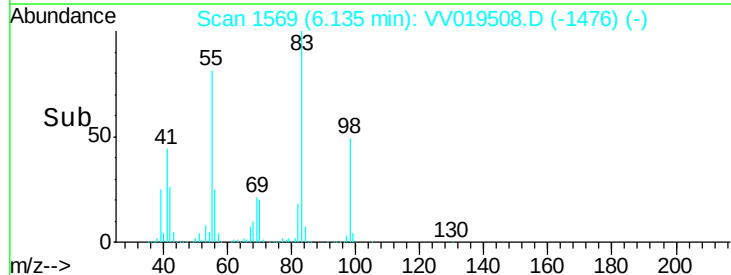
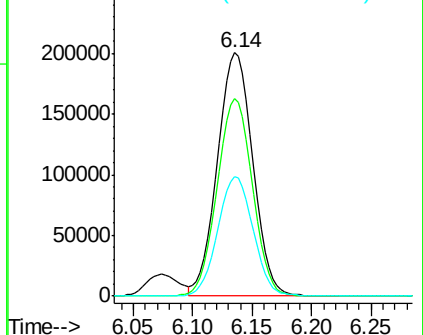


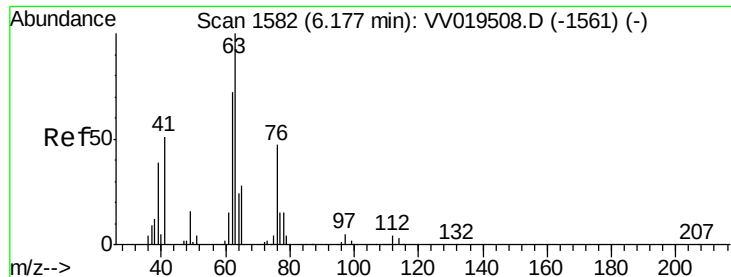
#35
 Methylcyclohexane
 Concen: 60.036 ug/L
 RT: 6.14 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

Tgt Ion:	83	Resp:	414488
Ion	Ratio	Lower	Upper
83	100		
55	80.4	64.2	96.4
98	49.1	39.3	58.9



Abundance Ion 83.00 (82.70 to 83.70): VV019508.D (-1557) (-)
 Ion 55.00 (54.70 to 55.70): VV019508.D (-1557) (-)
 Ion 98.00 (97.70 to 98.70): VV019508.D (-1557) (-)

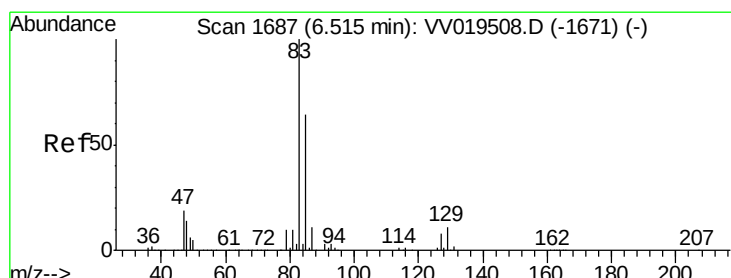
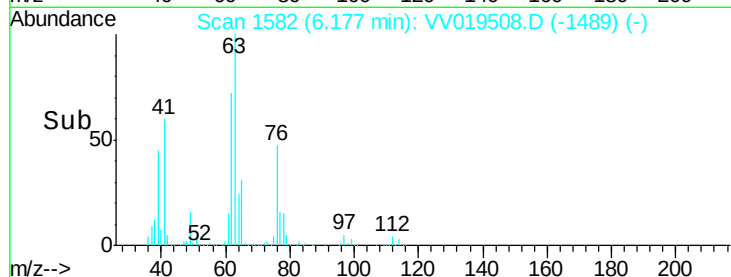
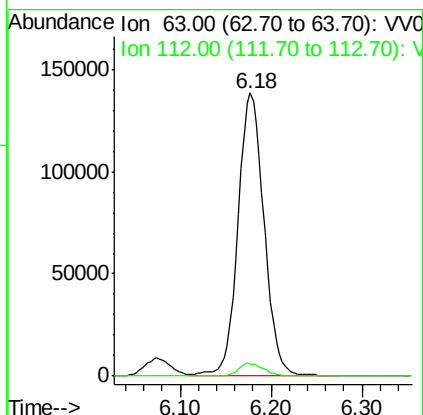
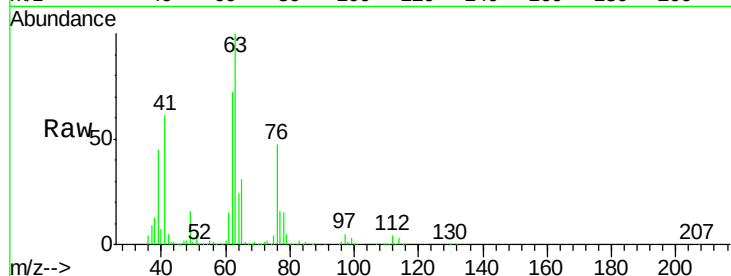




#37
 1,2-Dichloropropane
 Concen: 47.529 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

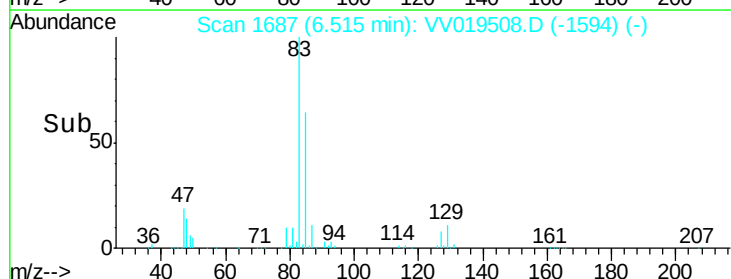
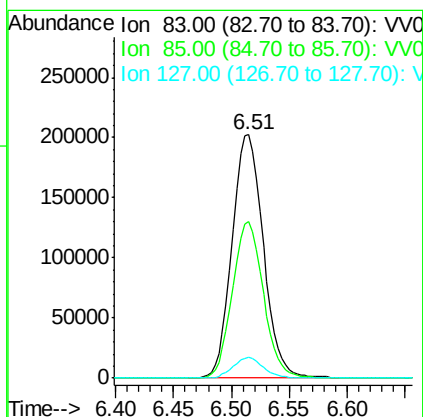
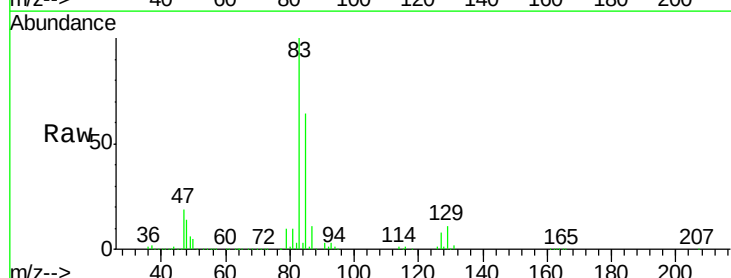
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

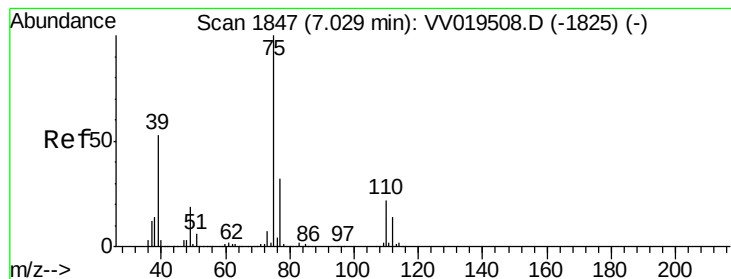
Tgt Ion: 63 Resp: 274929
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 49.906 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

Tgt Ion: 83 Resp: 377744
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.9 83.5
 127 8.4 6.7 10.1



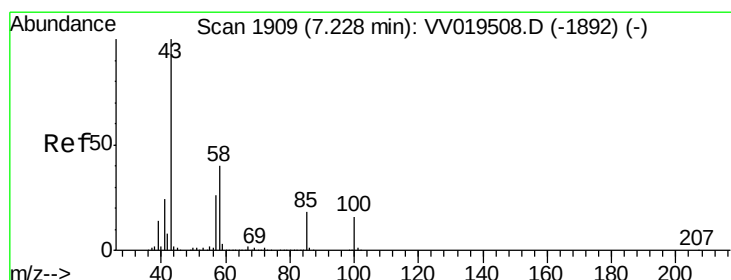
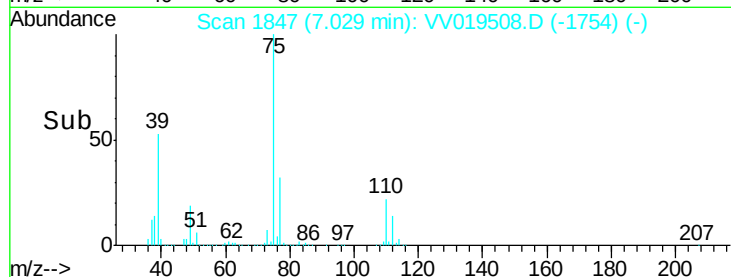
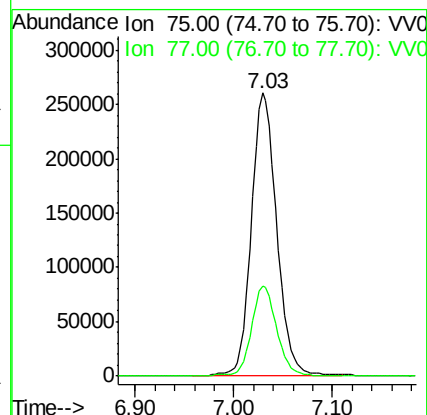
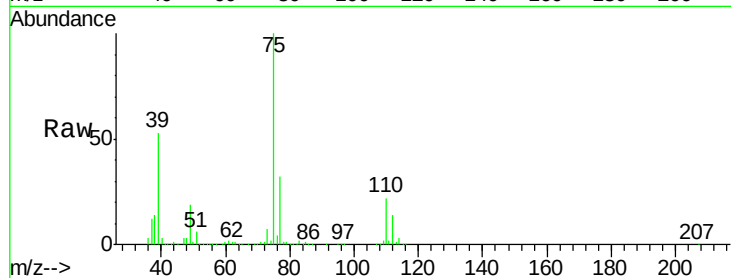


#39

cis-1,3-Dichloropropene
 Concen: 55.285 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05062

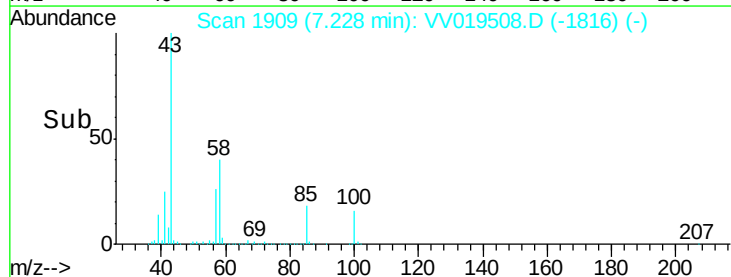
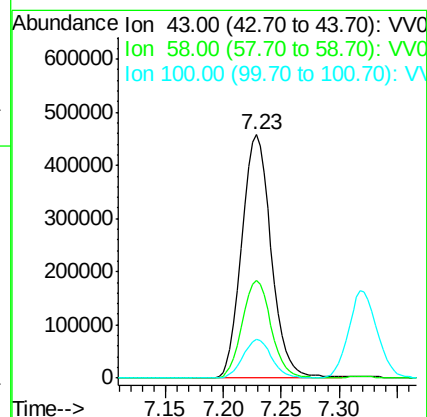
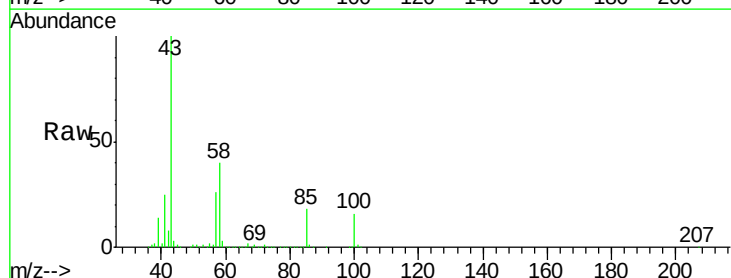
Tgt Ion: 75 Resp: 463163
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.4 41.6

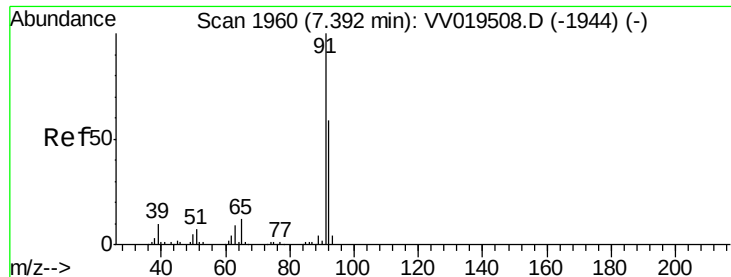


#40

4-Methyl-2-pentanone
 Concen: 94.764 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

Tgt Ion: 43 Resp: 803744
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.7 47.5
 100 15.6 12.5 18.7





#42

Toluene

Concen: 54.871 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

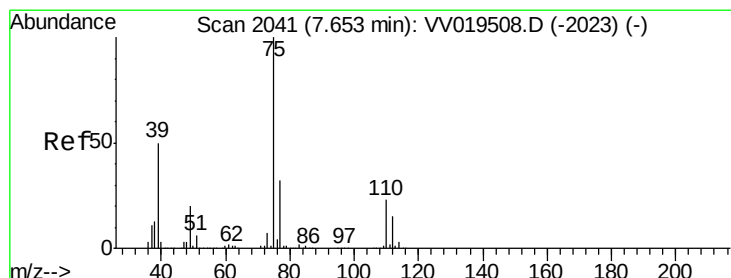
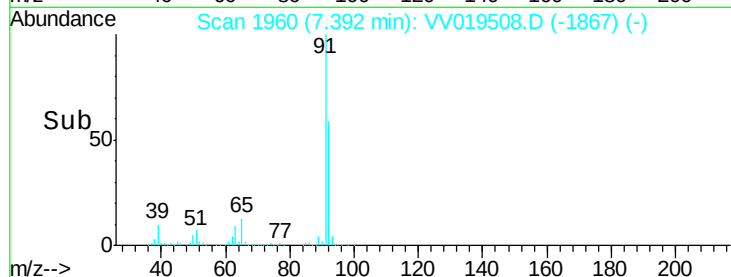
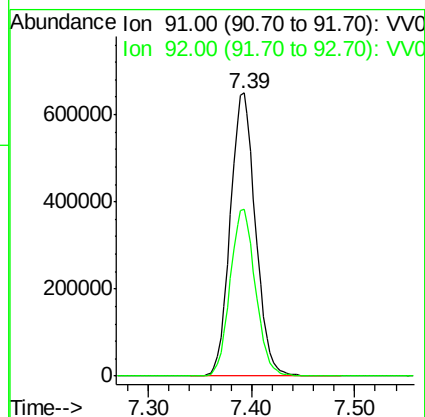
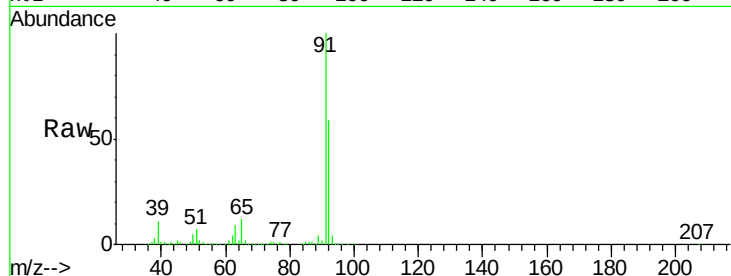
VSTD05062

Tgt Ion: 91 Resp: 1108482

Ion Ratio Lower Upper

91 100

92 59.1 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 53.914 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019508.D

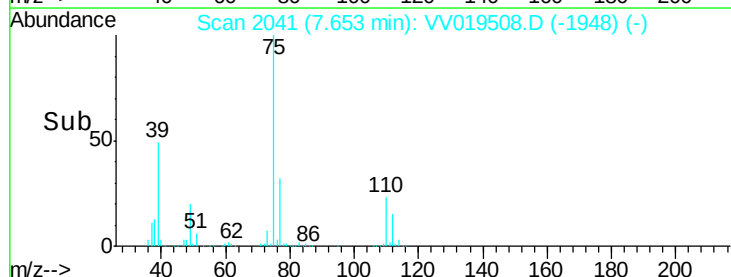
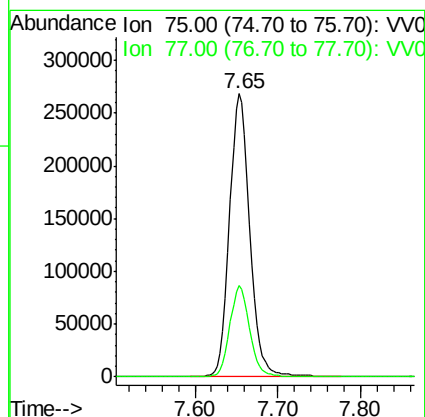
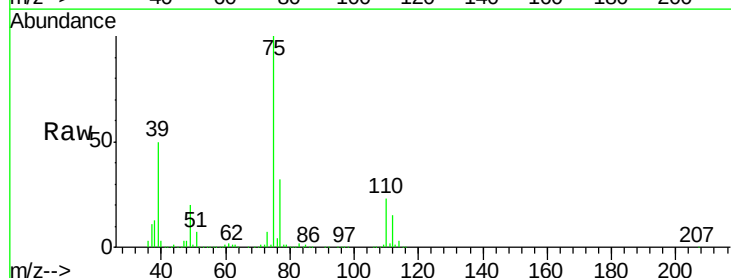
Acq: 10 Dec 2020 12:29

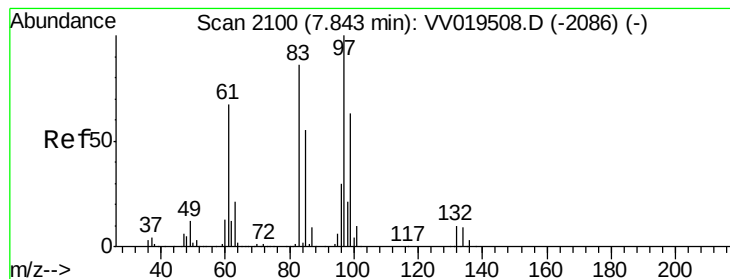
Tgt Ion: 75 Resp: 457460

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 48.679 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

Tgt Ion: 97 Resp: 255387

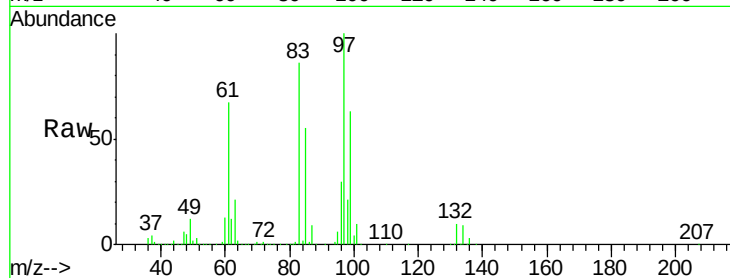
Ion Ratio Lower Upper

97 100

99 63.0 44.1 81.9

83 85.7 60.0 111.4

85 55.2 38.6 71.8

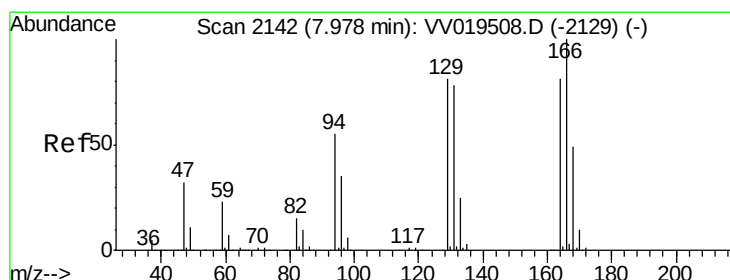
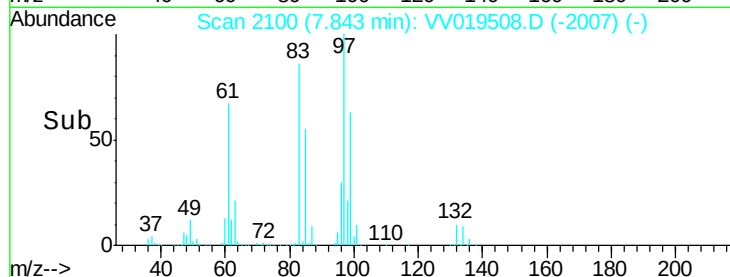
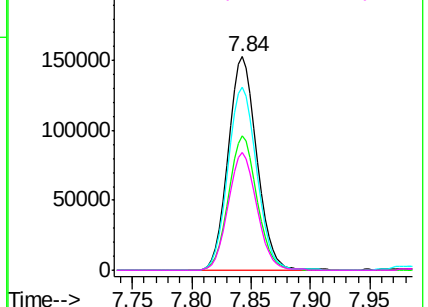


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 55.666 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Tgt Ion: 164 Resp: 191444

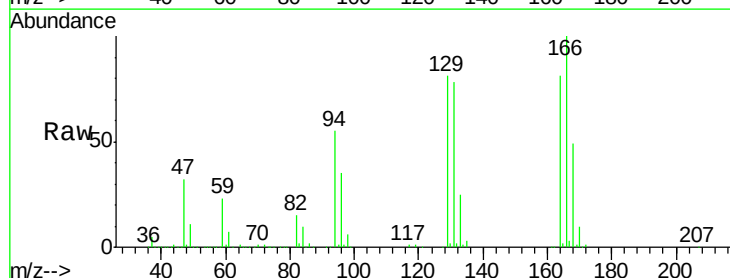
Ion Ratio Lower Upper

164 100

129 100.8 70.6 131.0

131 97.2 68.0 126.4

166 124.2 86.9 161.5

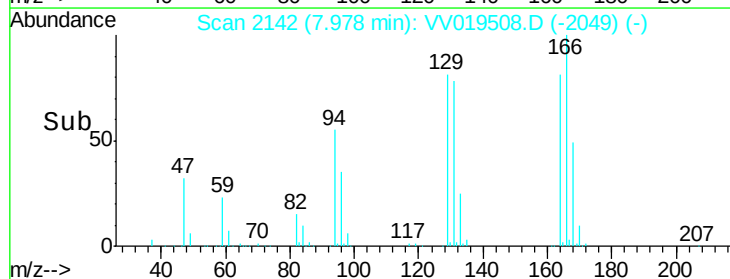
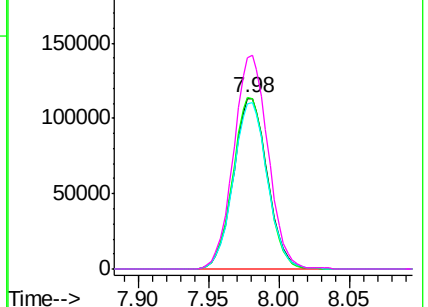


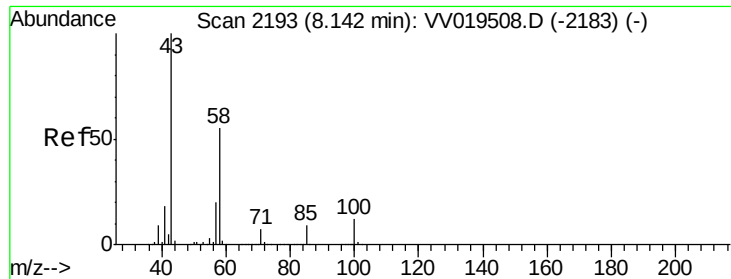
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

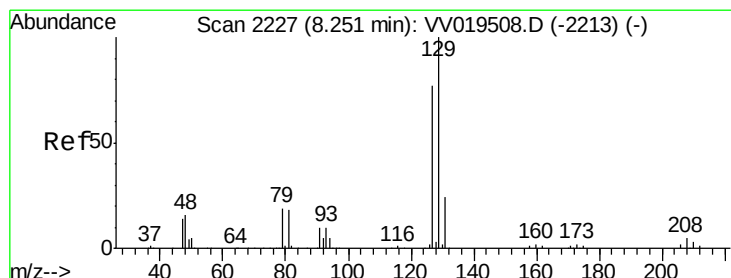
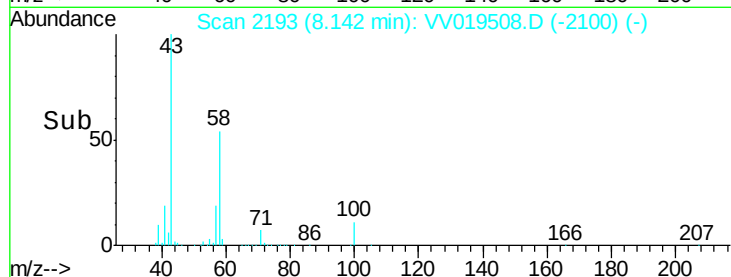
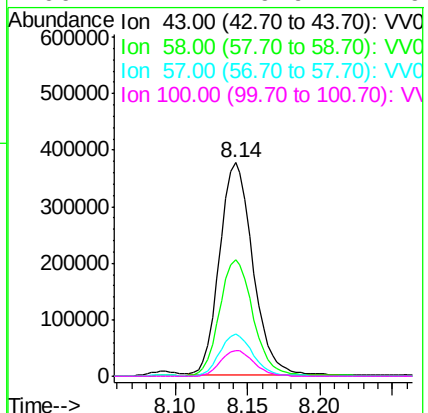
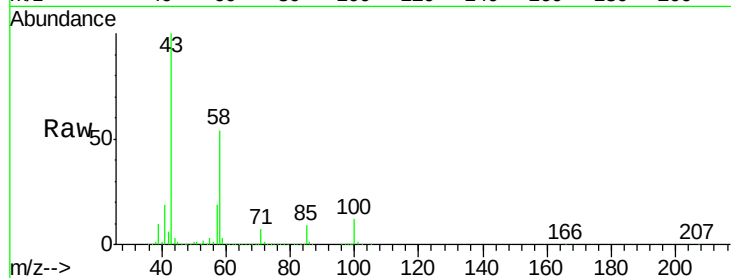




#48
2-Hexanone
Concen: 89.125 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019508.D
Acq: 10 Dec 2020 12:29

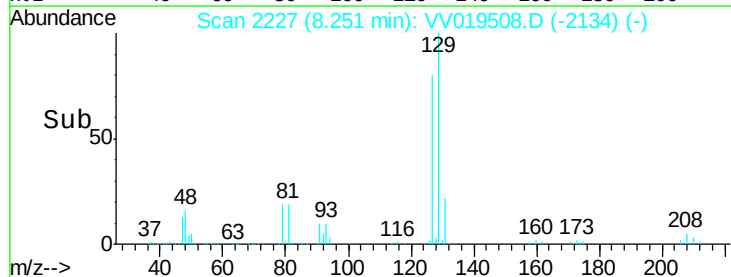
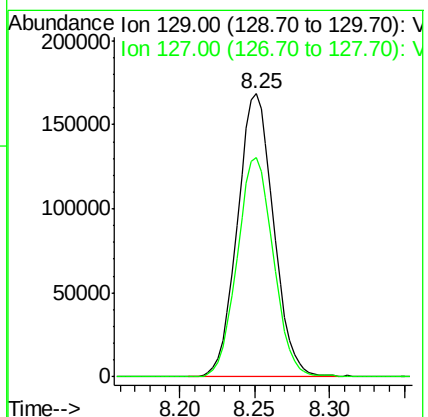
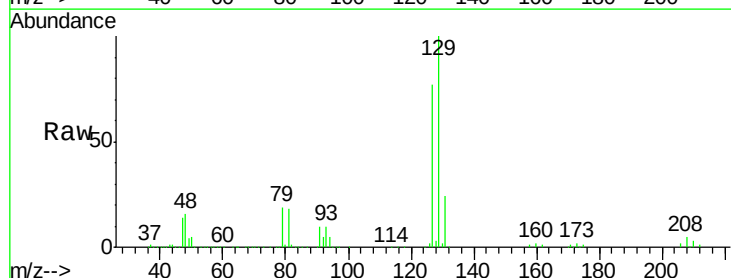
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

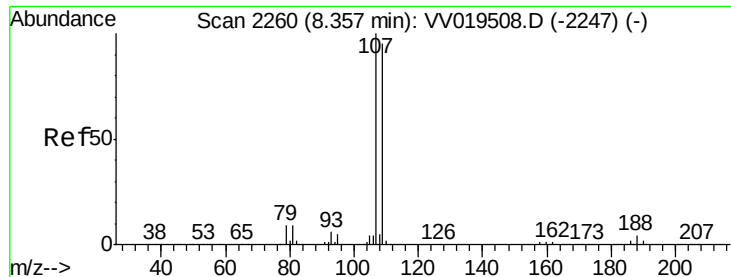
Tgt Ion: 43 Resp: 600486
Ion Ratio Lower Upper
43 100
58 55.5 44.4 66.6
57 19.6 15.7 23.5
100 12.4 9.9 14.9



#49
Dibromochloromethane
Concen: 51.619 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019508.D
Acq: 10 Dec 2020 12:29

Tgt Ion: 129 Resp: 283648
Ion Ratio Lower Upper
129 100
127 77.4 54.2 100.6

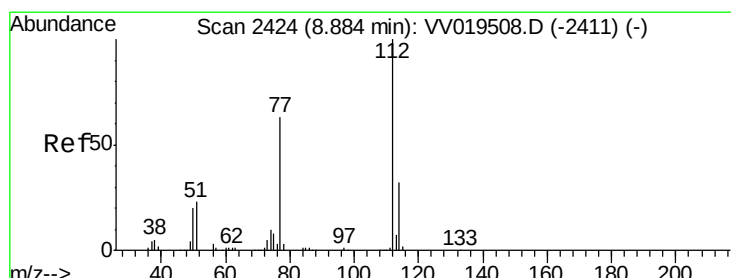
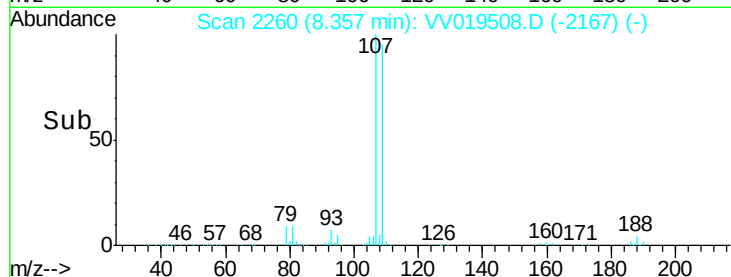
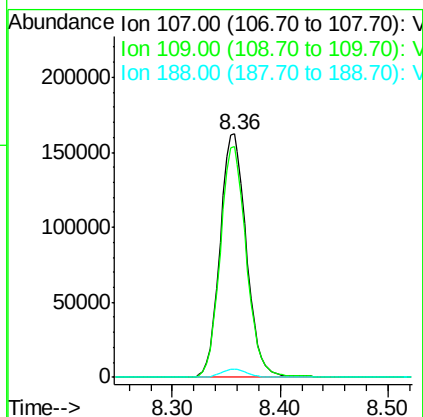
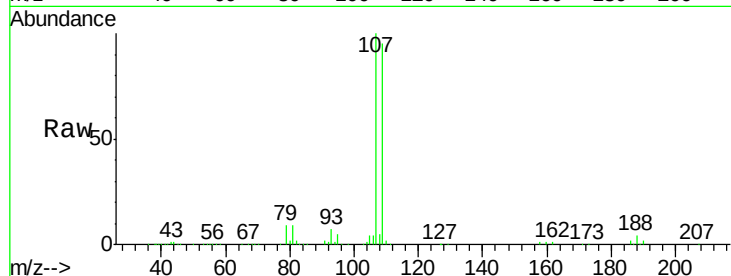




#50
 1,2-Dibromoethane
 Concen: 52.239 ug/L
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

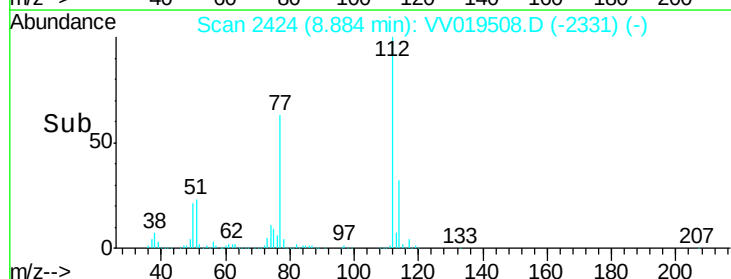
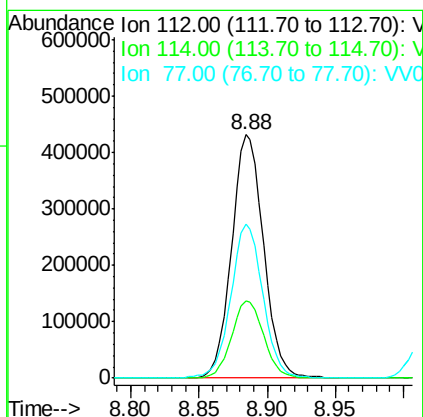
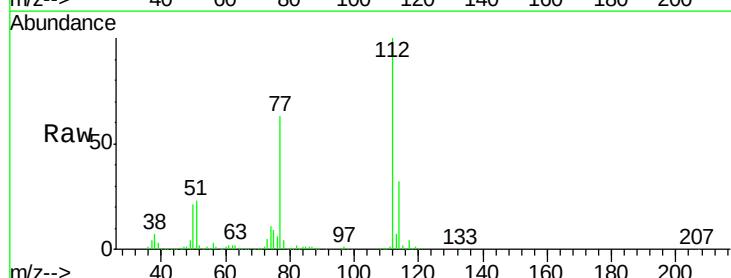
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

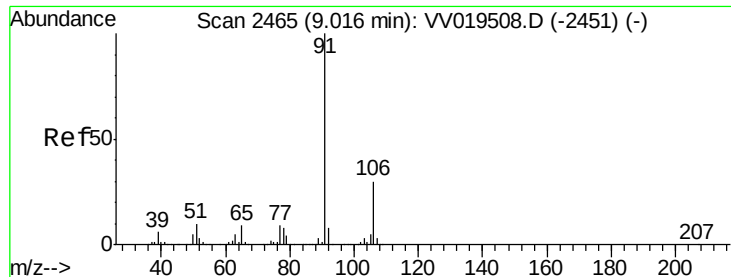
Tgt Ion:107 Resp: 275021
 Ion Ratio Lower Upper
 107 100
 109 94.8 66.4 123.2
 188 3.6 2.9 4.3



#51
 Chlorobenzene
 Concen: 53.116 ug/L
 RT: 8.88 min Scan# 2424
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

Tgt Ion:112 Resp: 700760
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.2 41.2
 77 63.2 50.6 75.8





#52

Ethylbenzene

Concen: 56.877 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

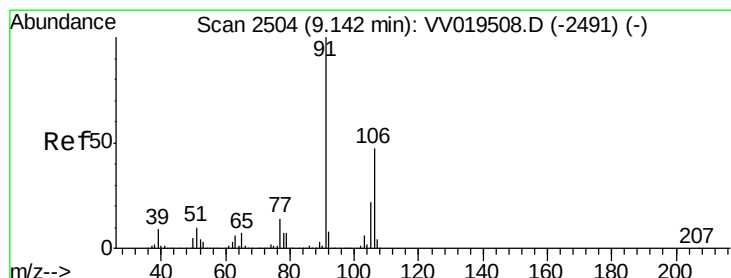
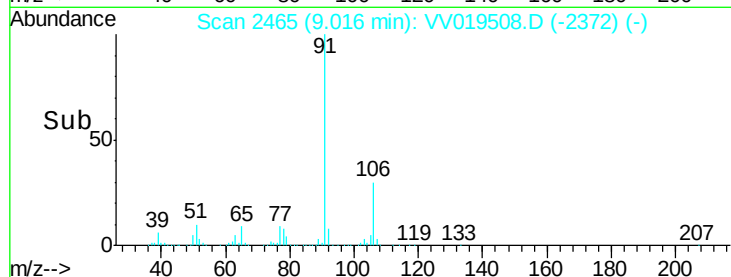
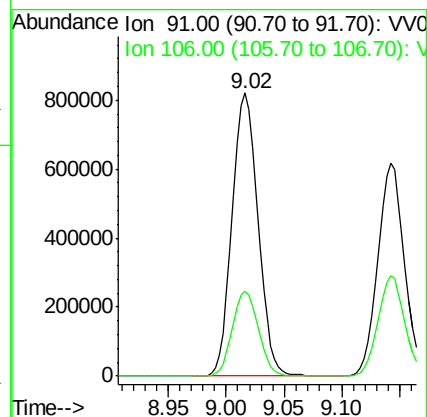
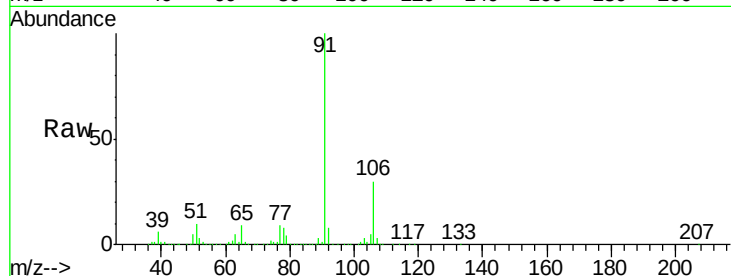
VSTD05062

Tgt Ion: 91 Resp: 1264570

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



#53

m,p-Xylene

Concen: 59.041 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019508.D

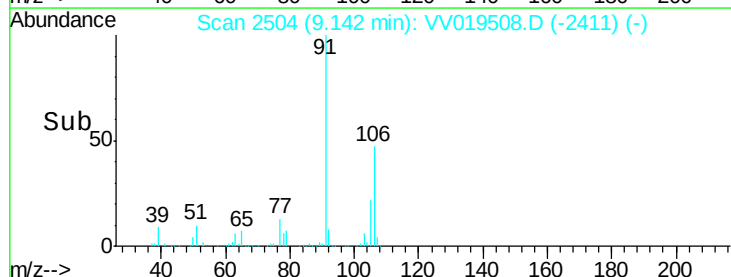
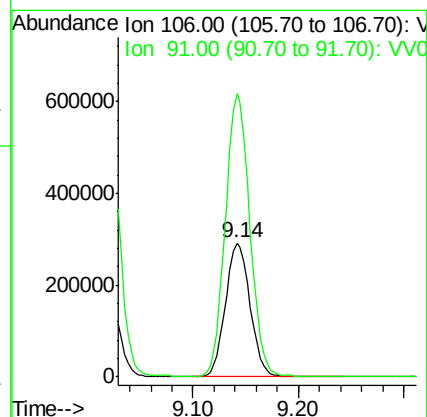
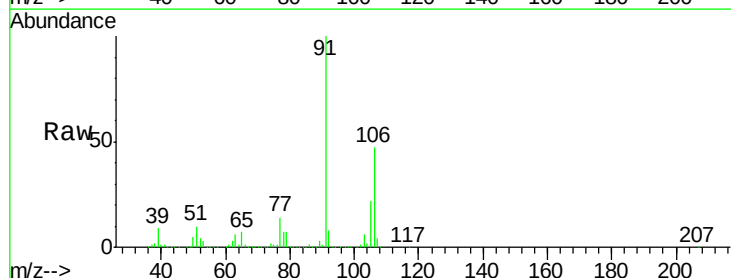
Acq: 10 Dec 2020 12:29

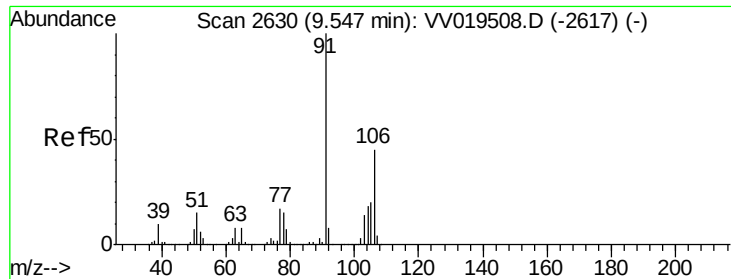
Tgt Ion: 106 Resp: 471542

Ion Ratio Lower Upper

106 100

91 211.0 147.7 274.3





#54

o-xylene

Concen: 59.840 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

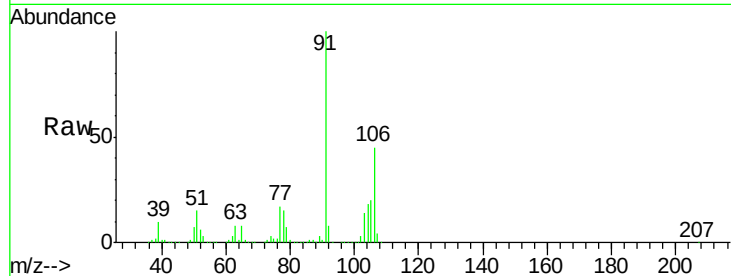
VSTD05062

Tgt Ion:106 Resp: 462770

Ion Ratio Lower Upper

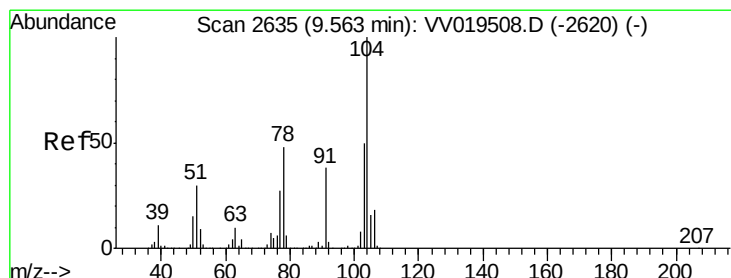
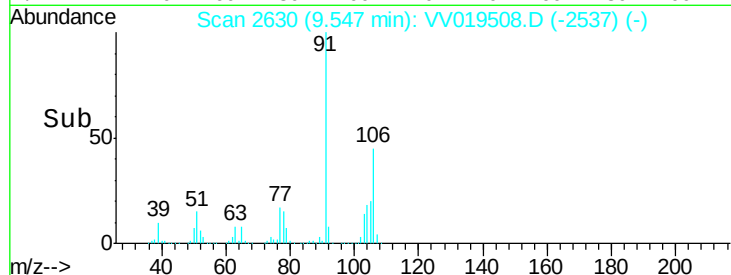
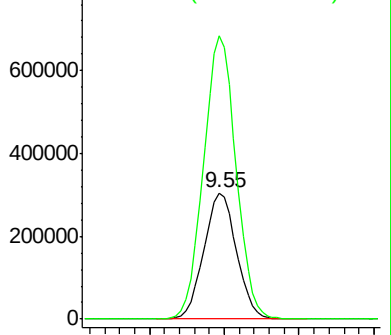
106 100

91 223.9 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 59.261 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019508.D

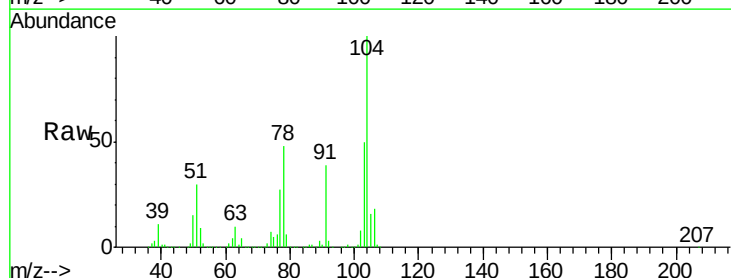
Acq: 10 Dec 2020 12:29

Tgt Ion:104 Resp: 811414

Ion Ratio Lower Upper

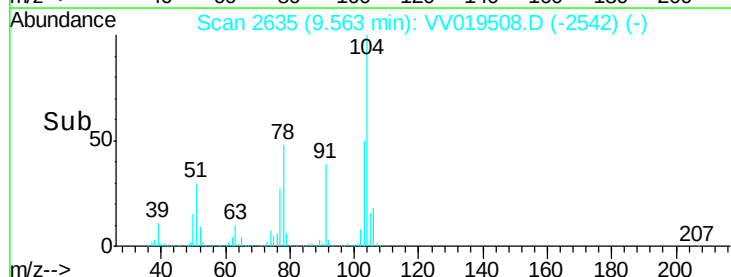
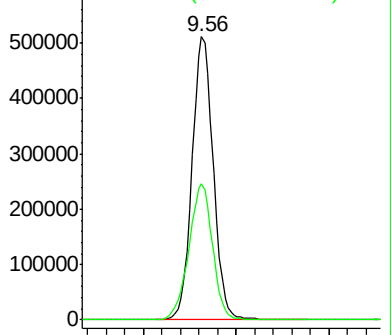
104 100

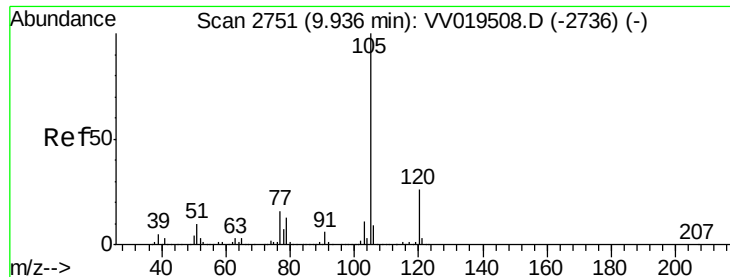
78 48.2 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

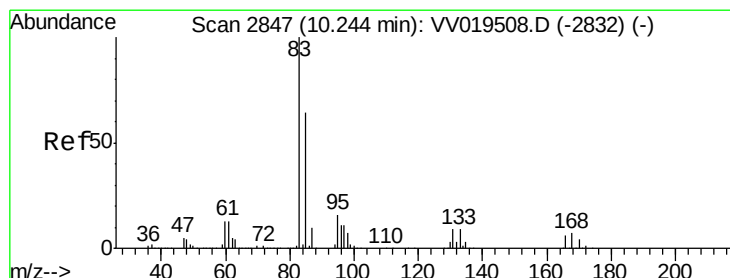
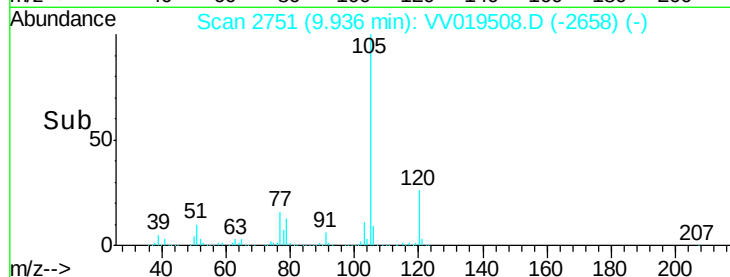
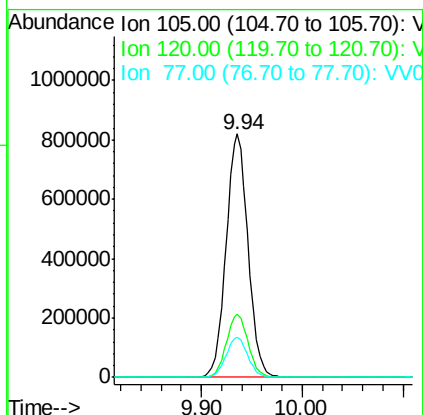
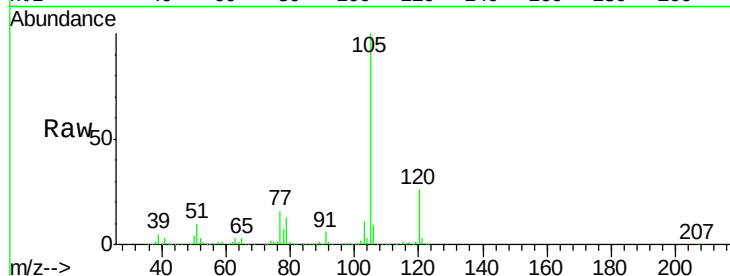




#56
Isopropylbenzene
Concen: 59.211 ug/L
RT: 9.94 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VV019508.D
Acq: 10 Dec 2020 12:29

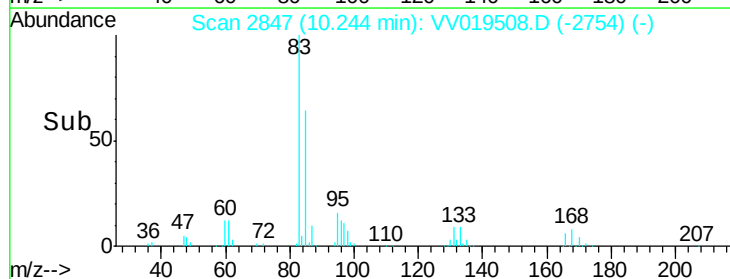
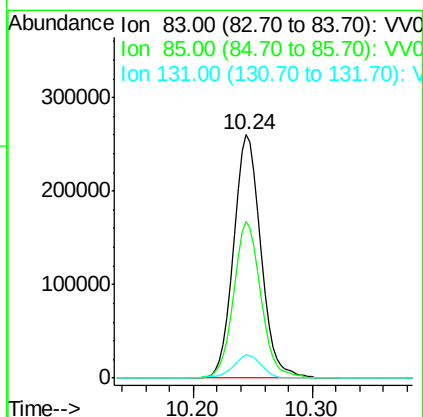
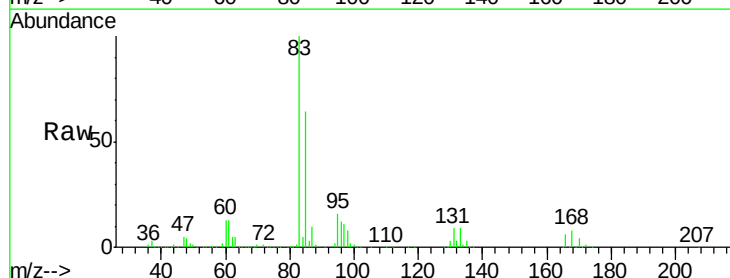
Instrument :
MSVOA_V
ClientSampled :
VSTD05062

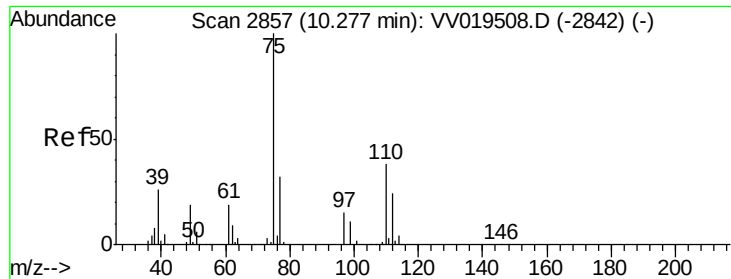
Tgt Ion: 105 Resp: 1239658
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 16.5 13.2 19.8



#58
1,1,2,2-Tetrachloroethane
Concen: 51.482 ug/L
RT: 10.24 min Scan# 2847
Delta R.T. 0.00 min
Lab File: VV019508.D
Acq: 10 Dec 2020 12:29

Tgt Ion: 83 Resp: 411963
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5
131 9.5 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 47.266 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

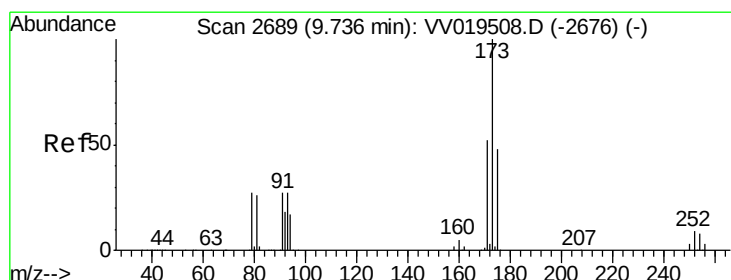
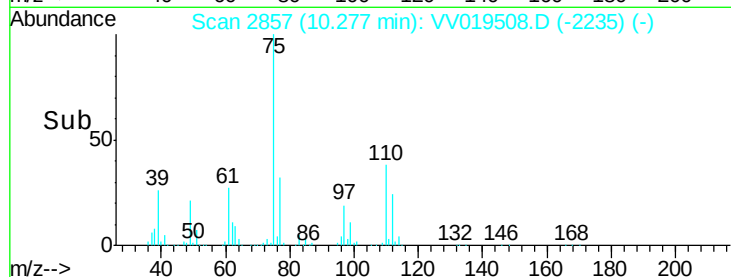
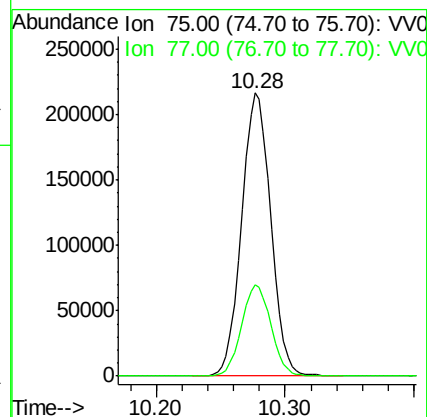
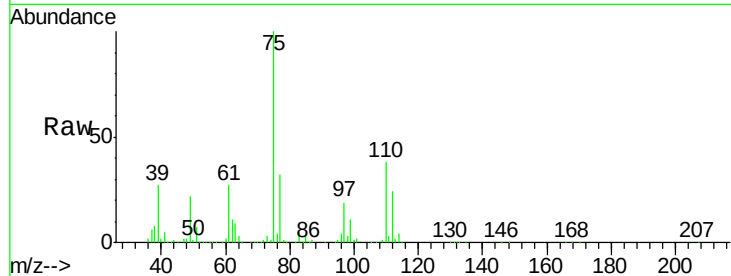
VSTD05062

Tgt Ion: 75 Resp: 339573

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#61

Bromoform

Concen: 50.843 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

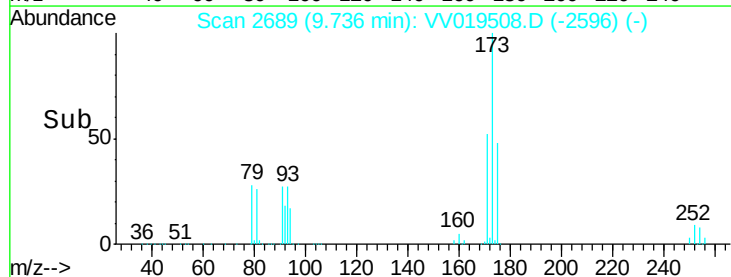
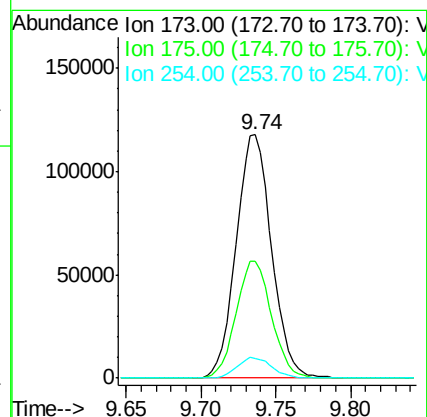
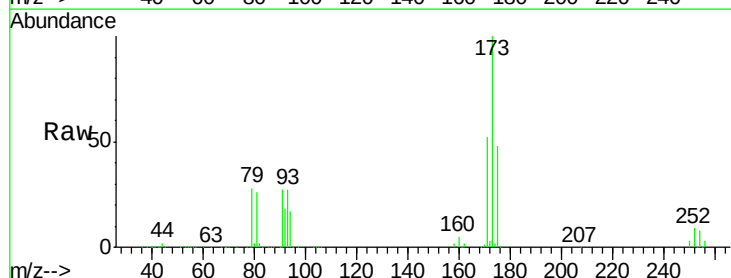
Tgt Ion: 173 Resp: 193831

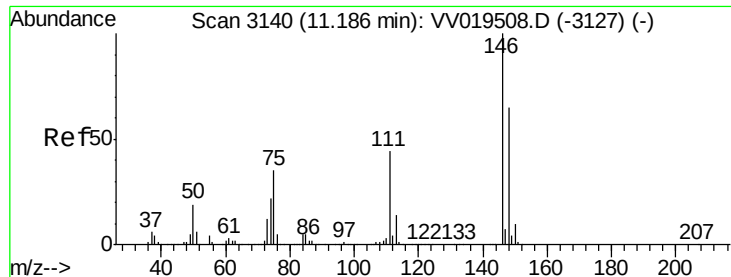
Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 8.3 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 53.750 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

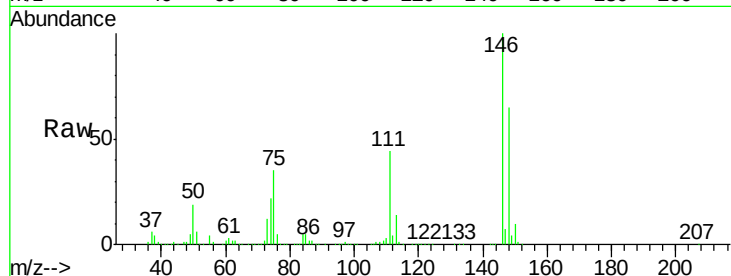
Tgt Ion:146 Resp: 532941

Ion Ratio Lower Upper

146 100

111 43.9 30.7 57.1

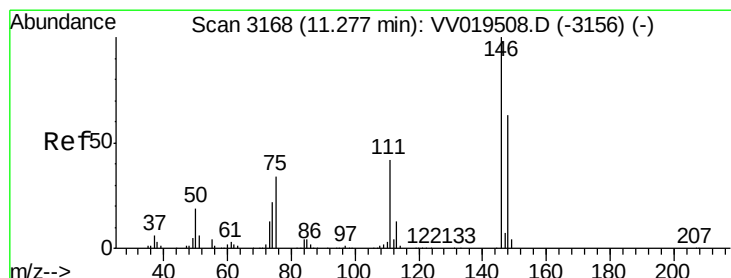
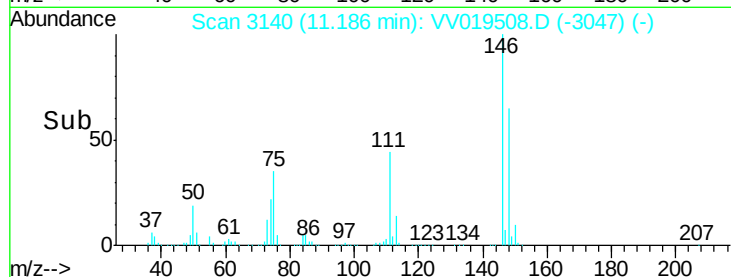
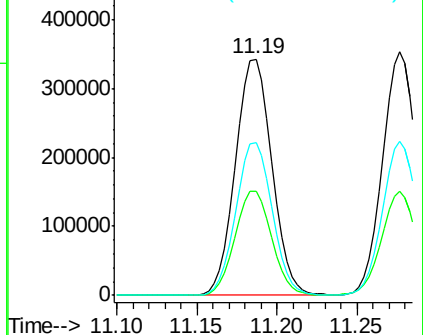
148 64.7 45.3 84.1



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: 52.120 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

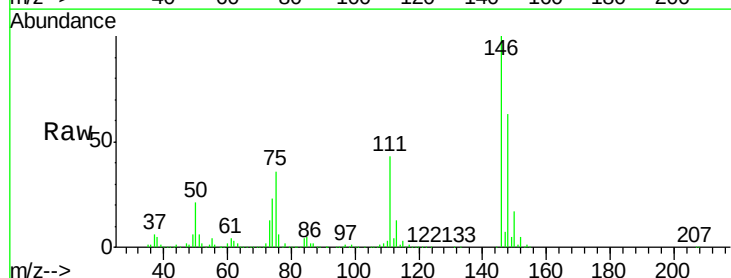
Tgt Ion:146 Resp: 540554

Ion Ratio Lower Upper

146 100

111 42.6 29.8 55.4

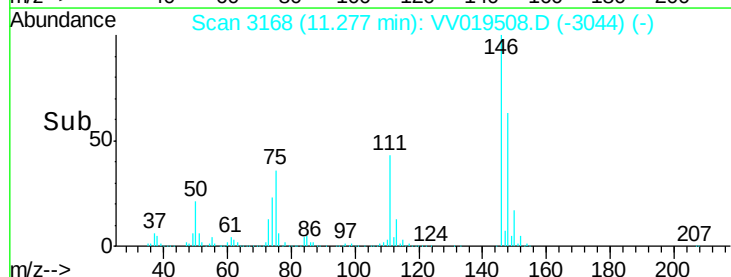
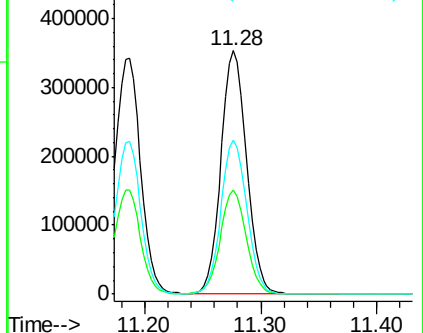
148 63.1 44.2 82.0

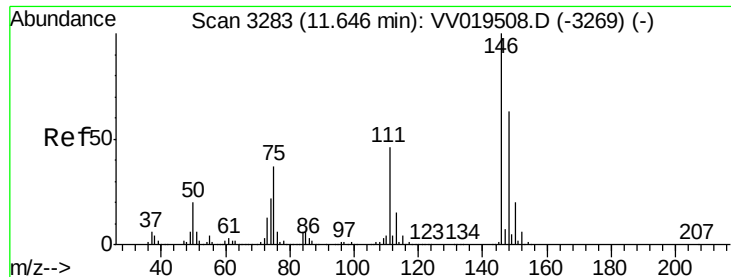


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

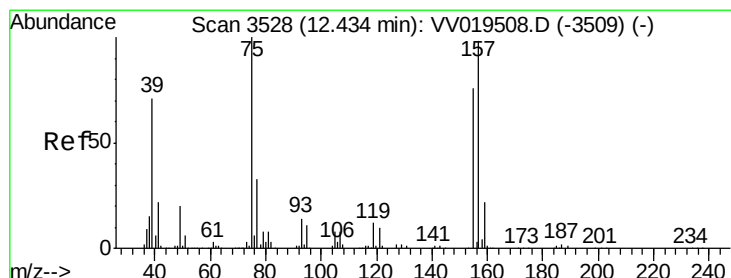
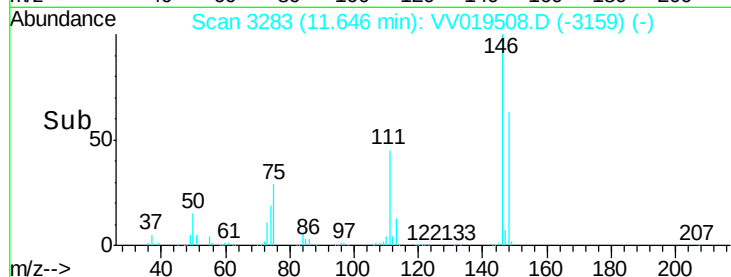
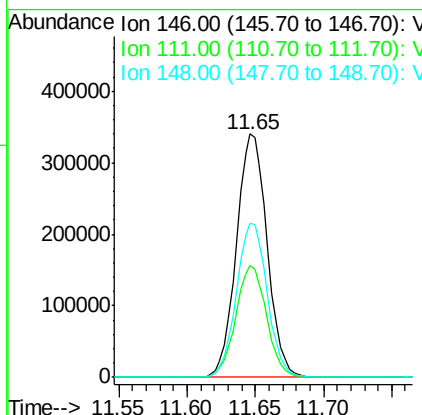
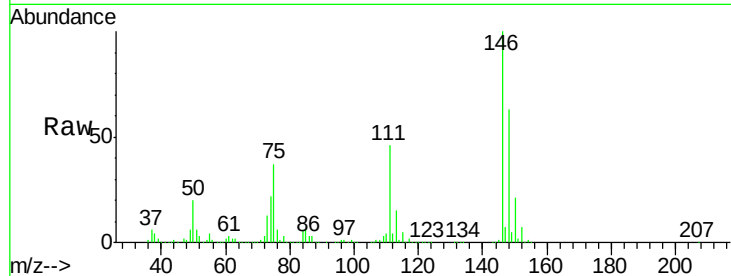




#65
 1,2-Dichlorobenzene
 Concen: 52.268 ug/L
 RT: 11.65 min Scan# 3283
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

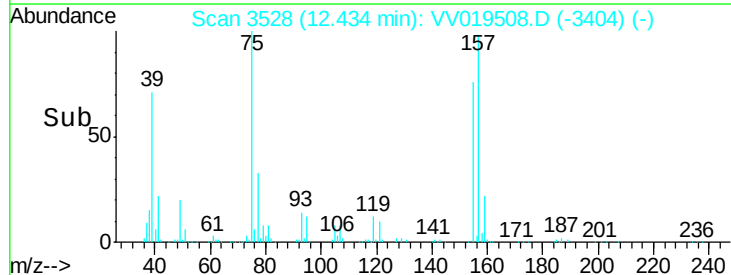
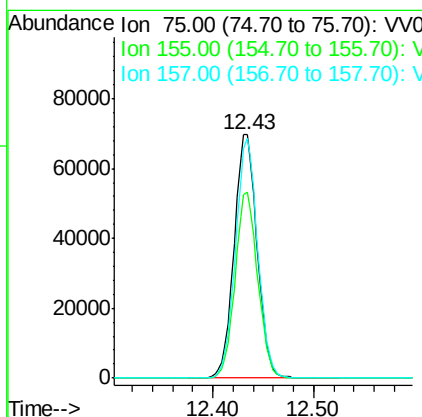
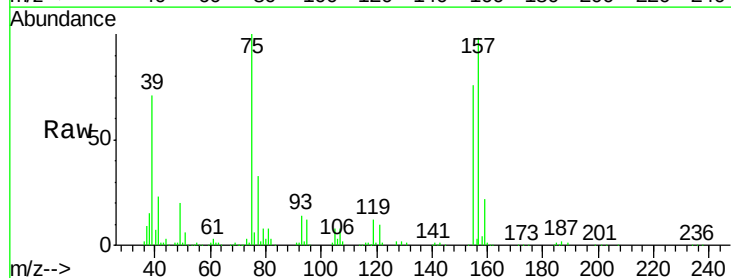
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

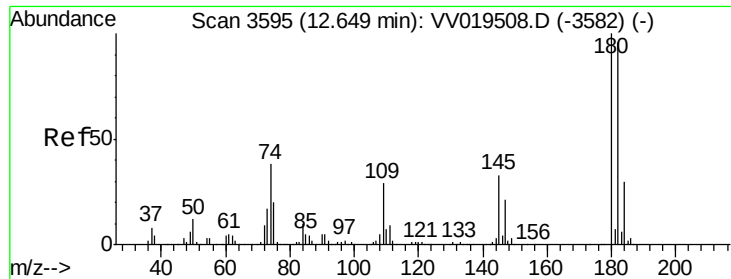
Tgt Ion: 146 Resp: 528904
 Ion Ratio Lower Upper
 146 100
 111 45.8 36.6 55.0
 148 63.4 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.618 ug/L
 RT: 12.43 min Scan# 3528
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

Tgt Ion: 75 Resp: 110934
 Ion Ratio Lower Upper
 75 100
 155 76.4 61.1 91.7
 157 98.4 78.7 118.1

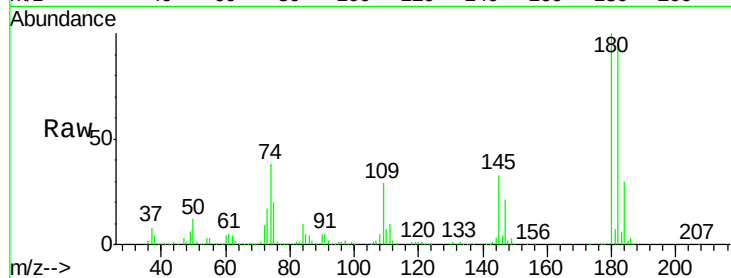




#67
 1,3,5-Trichlorobenzene
 Concen: 51.453 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
184	29.9	23.9	35.9
145	32.7	26.2	39.2

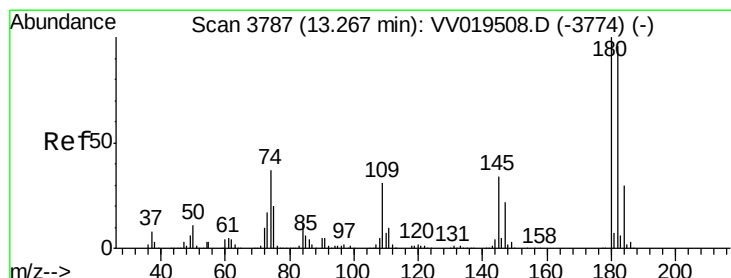
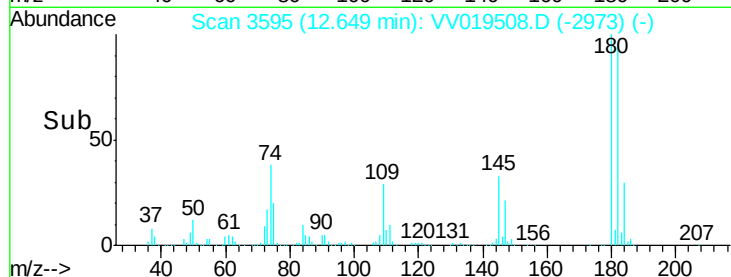
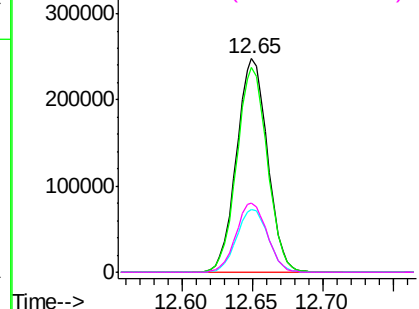


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

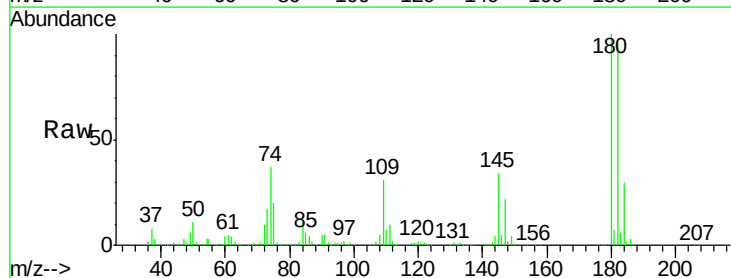
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.187 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.00 min
 Lab File: VV019508.D
 Acq: 10 Dec 2020 12:29

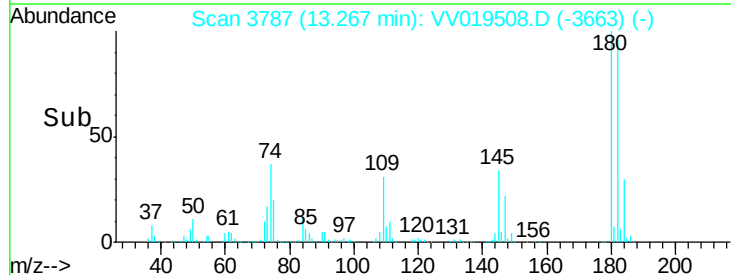
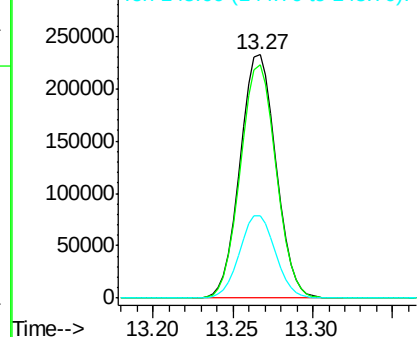
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
145	33.8	27.0	40.6

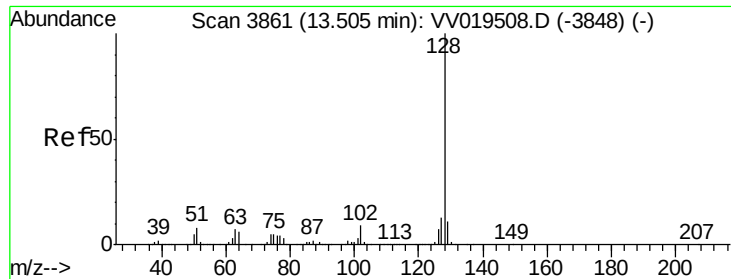


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 68.858 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

Instrument :

MSVOA_V

ClientSampled :

VSTD05062

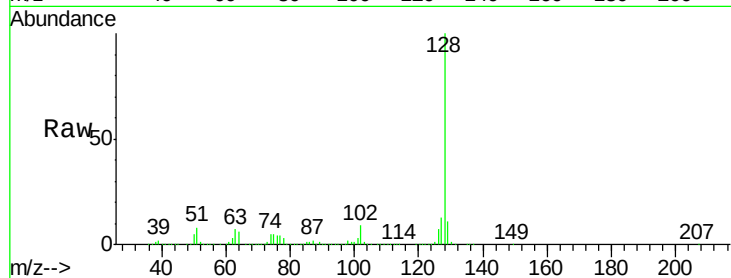
Tgt Ion:128 Resp: 1275290

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

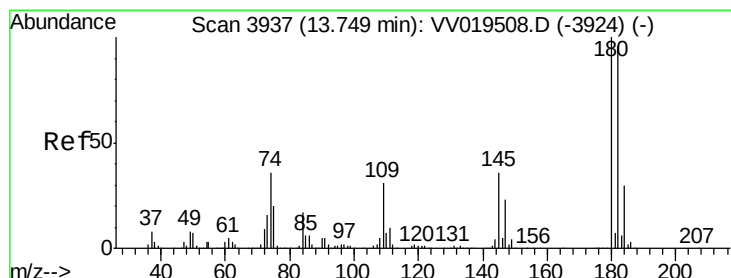
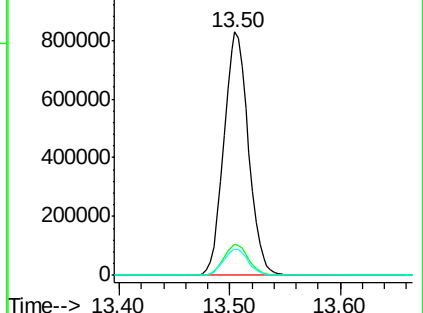
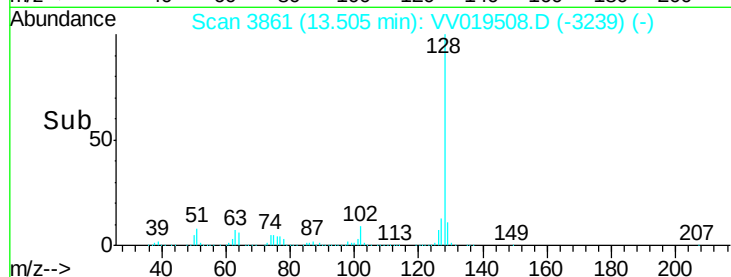
129 10.7 8.6 12.8



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: 52.422 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.00 min

Lab File: VV019508.D

Acq: 10 Dec 2020 12:29

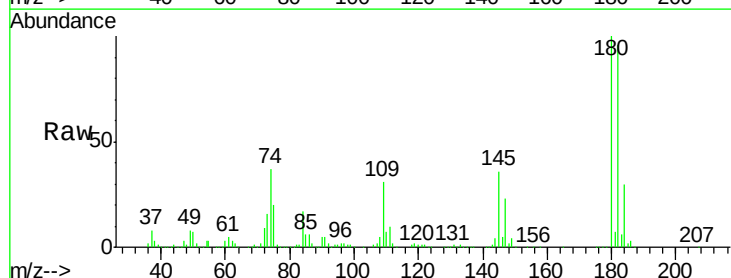
Tgt Ion:180 Resp: 349938

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 36.4 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

