

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
 Data File : VV017537.D
 Acq On : 20 Jul 2020 11:47
 Operator : SY/MD
 Sample : VSTD00565
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Quant Time: Jul 20 17:46:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 17:41:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	311946	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	297825	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	150330	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9396	5.70	ug/L	0.00
7) Chloroethane-d5	1.58	69	8035	6.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	21787	5.85	ug/L	0.00
21) 2-Butanone-d5	3.94	46	10811	9.63	ug/L	0.03
24) Chloroform-d	4.38	84	20850	5.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	13281	5.15	ug/L	0.00
32) Benzene-d6	5.08	84	34823	5.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	10780	5.86	ug/L	0.00
41) Toluene-d8	7.34	98	31632	5.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	6026	5.55	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	8519	10.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	15150	5.77	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	15264	6.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17808	5.439 ug/L	99
3) Chloromethane	1.25	50	14709	6.311 ug/L	99
5) Vinyl chloride	1.32	62	15073	6.257 ug/L	97
6) Bromomethane	1.53	94	9316	7.158 ug/L	98
8) Chloroethane	1.60	64	9000	7.074 ug/L	97
9) Trichlorofluoromethane	1.77	101	24406	5.480 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	13164	6.242 ug/L	99
12) 1,1-Dichloroethene	2.14	96	11416	5.993 ug/L #	75
13) Acetone	2.19	43	21340	14.266 ug/L	100
14) Carbon disulfide	2.31	76	33334	5.954 ug/L	99
15) Methyl Acetate	2.45	43	12283	6.163 ug/L	100
16) Methylene chloride	2.52	84	13866	6.401 ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	11948	5.983 ug/L	98
18) Methyl tert-butyl Ether	2.78	73	38905	5.684 ug/L	99
19) 1,1-Dichloroethane	3.21	63	21070	5.668 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	12738	5.874 ug/L	99
22) 2-Butanone	4.01	43	6780	4.698 ug/L	81
23) Bromochloromethane	4.28	128	6902	5.697 ug/L #	92
25) Chloroform	4.40	83	24072	5.748 ug/L	100
27) 1,2-Dichloroethane	5.16	62	20104	5.490 ug/L	98
29) Cyclohexane	4.70	56	16826	5.531 ug/L #	100
30) 1,1,1-Trichloroethane	4.64	97	22558	5.551 ug/L	96
31) Carbon tetrachloride	4.85	117	21314	5.746 ug/L	93
33) Benzene	5.13	78	43449	5.580 ug/L	100
34) Trichloroethene	5.94	95	11875	5.178 ug/L	94
35) Methylcyclohexane	6.15	83	18333	5.469 ug/L	97
37) 1,2-Dichloropropane	6.20	63	11976	6.270 ug/L	99
38) Bromodichloromethane	6.53	83	17738	5.654 ug/L #	97
39) cis-1,3-Dichloropropene	7.05	75	16954	5.157 ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	29470	11.066 ug/L	99

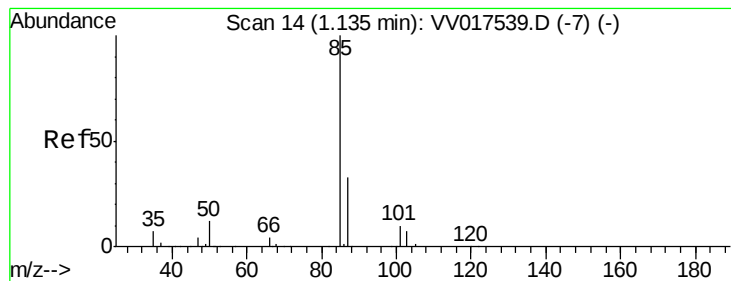
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	48069	5.533	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	18095	5.321	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	12782	6.109	ug/L	98
46) Tetrachloroethene	8.00	164	10972	5.637	ug/L	89
48) 2-Hexanone	8.16	43	22281	10.339	ug/L	99
49) Dibromochloromethane	8.27	129	14333	5.457	ug/L	96
50) 1,2-Dibromoethane	8.38	107	13335	5.803	ug/L	98
51) Chlorobenzene	8.90	112	34351	5.785	ug/L	98
52) Ethylbenzene	9.03	91	53210	5.332	ug/L	98
53) m,p-Xylene	9.16	106	21067	5.649	ug/L	94
54) o-xylene	9.56	106	19635	5.438	ug/L	97
55) Styrene	9.58	104	31582	5.030	ug/L	99
56) Isopropylbenzene	9.95	105	54438	5.425	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	18338	5.916	ug/L #	93
59) 1,2,3-Trichloropropane	10.30	75	16262	6.067	ug/L	96
61) Bromoform	9.75	173	10671	5.848	ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	28630	6.141	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	29719	6.250	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	28980	6.202	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	4855	6.252	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	22567	6.354	ug/L	96
68) 1,2,4-trichlorobenzene	13.28	180	20258	6.479	ug/L	96
69) Naphthalene	13.53	128	53235	6.116	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	20232	6.399	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 5.439 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

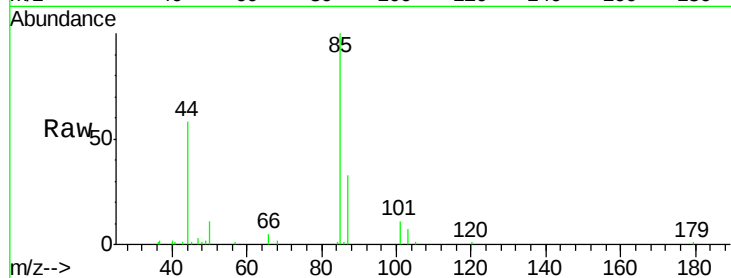
VSTD00565

Tgt Ion: 85 Resp: 17808

Ion Ratio Lower Upper

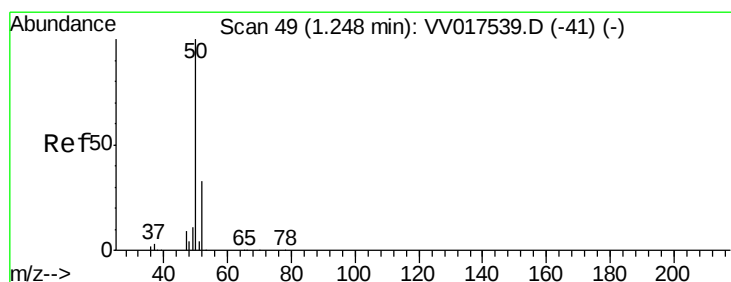
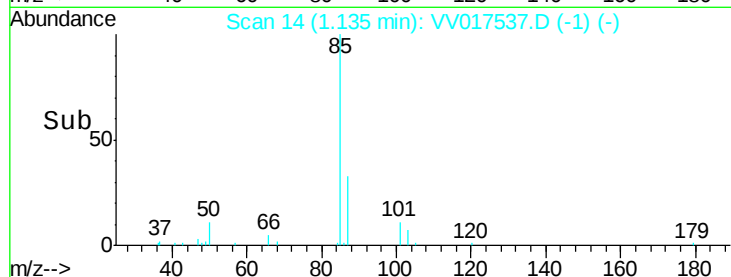
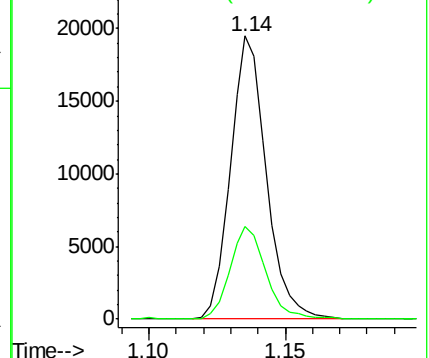
85 100

87 32.8 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 6.311 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017537.D

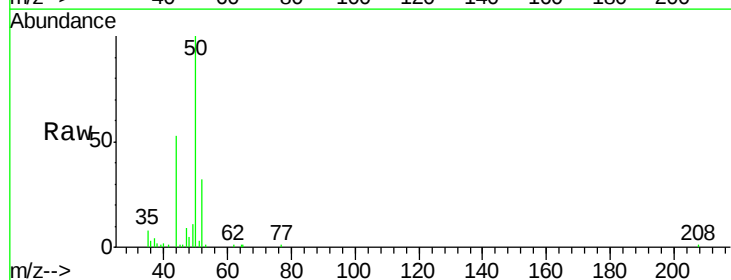
Acq: 20 Jul 2020 11:47

Tgt Ion: 50 Resp: 14709

Ion Ratio Lower Upper

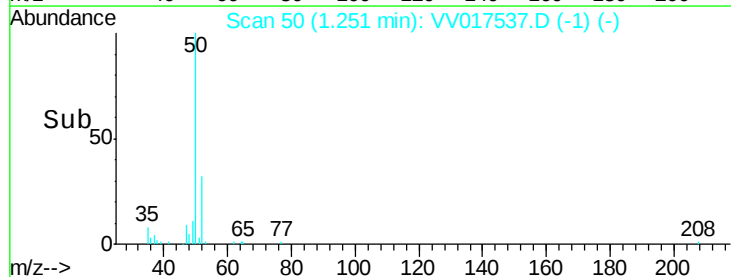
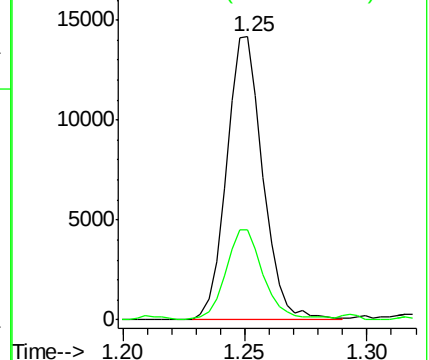
50 100

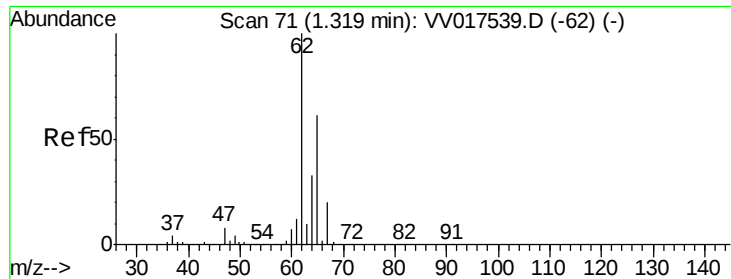
52 31.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 6.257 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

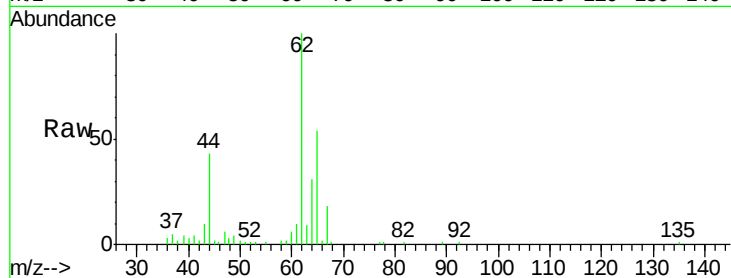
VSTD00565

Tgt Ion: 62 Resp: 15073

Ion Ratio Lower Upper

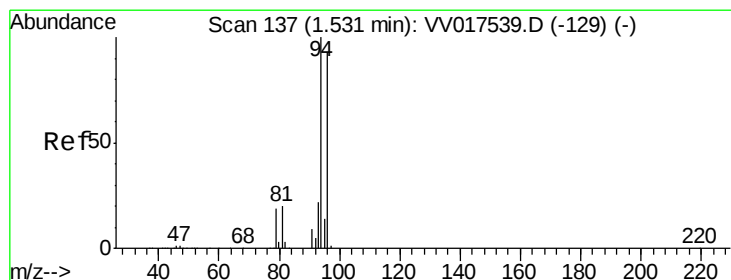
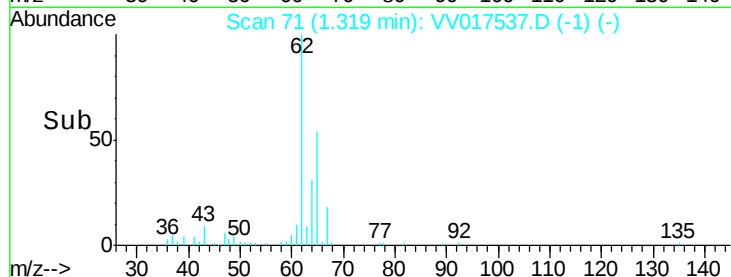
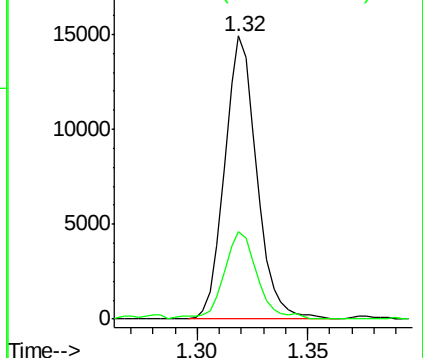
62 100

64 31.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 7.158 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017537.D

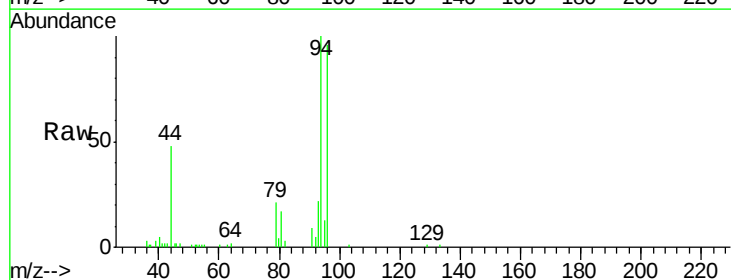
Acq: 20 Jul 2020 11:47

Tgt Ion: 94 Resp: 9316

Ion Ratio Lower Upper

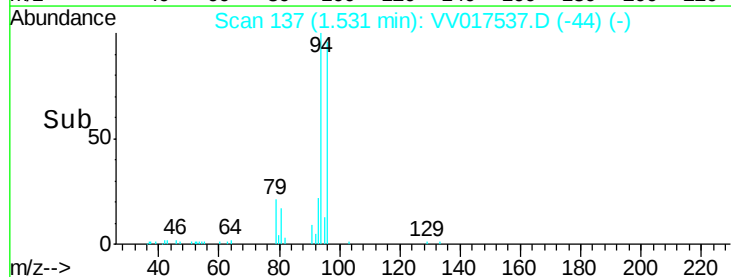
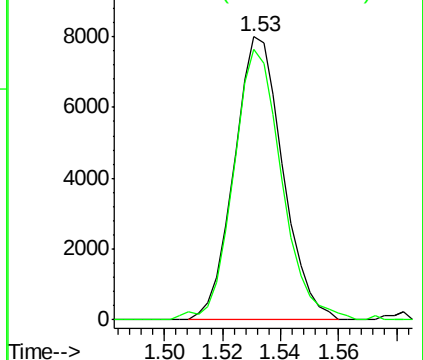
94 100

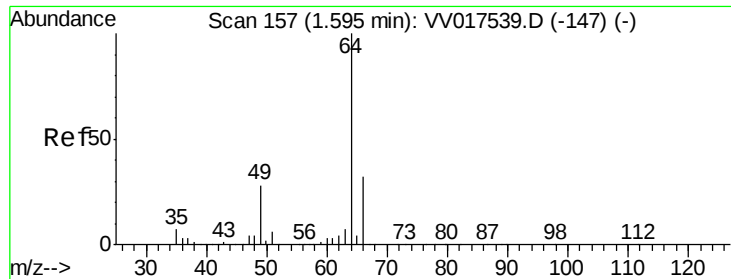
96 95.6 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

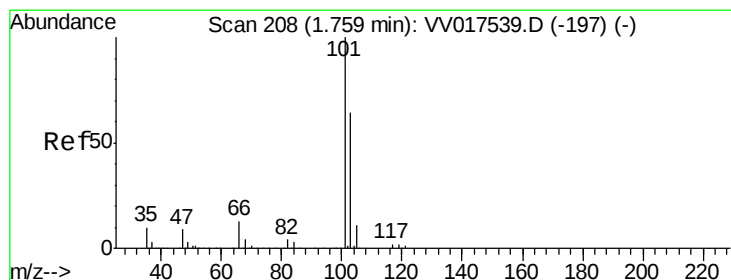
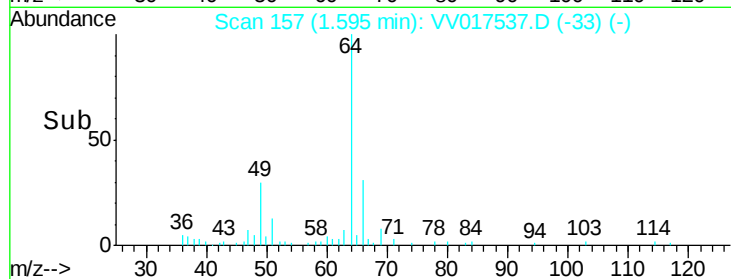
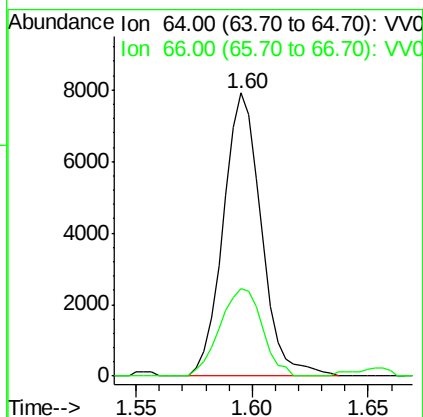
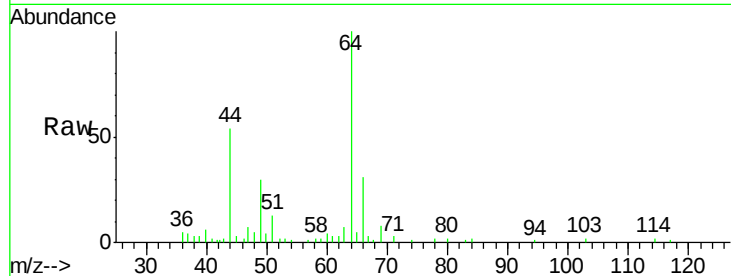




#8
Chloroethane
Concen: 7.074 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017537.D
Acq: 20 Jul 2020 11:47

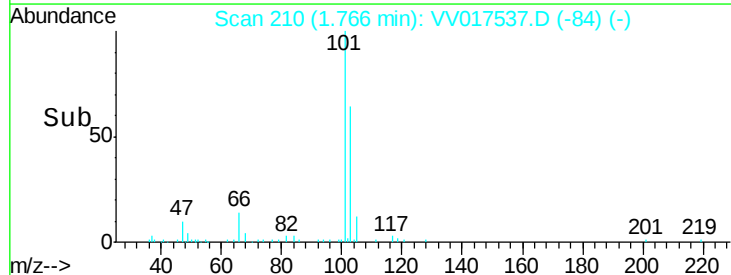
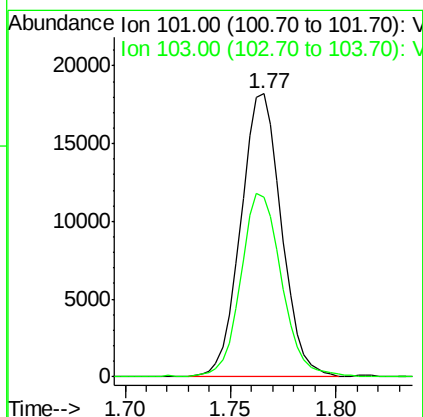
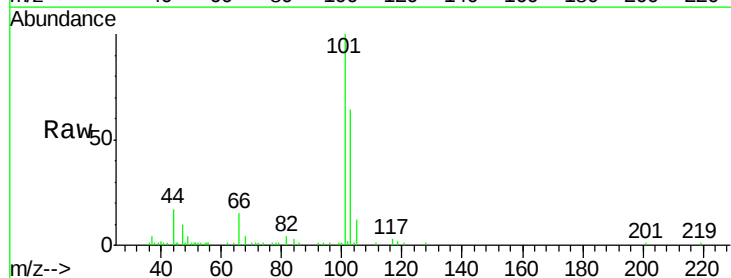
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

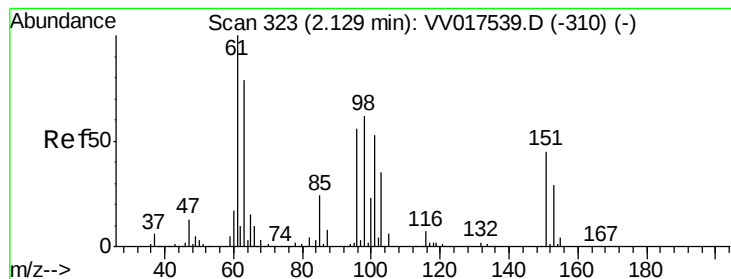
Tgt Ion: 64 Resp: 9000
Ion Ratio Lower Upper
64 100
66 30.7 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.480 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.01 min
Lab File: VV017537.D
Acq: 20 Jul 2020 11:47

Tgt Ion: 101 Resp: 24406
Ion Ratio Lower Upper
101 100
103 65.2 51.2 76.8





#10

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

Concen: 6.242 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

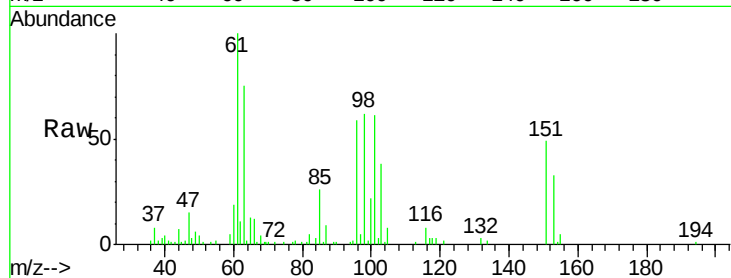
Tgt Ion: 101 Resp: 13164

Ion Ratio Lower Upper

101 100

85 45.7 36.2 54.4

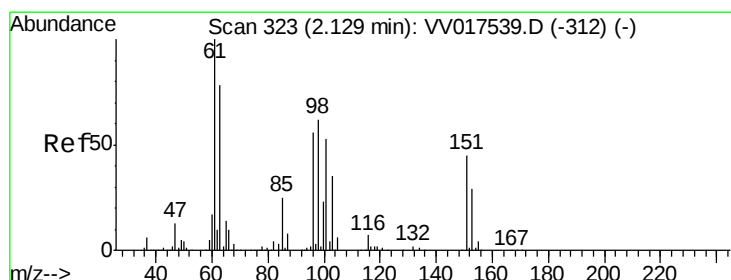
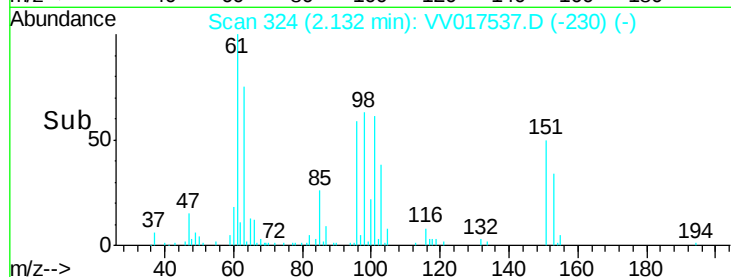
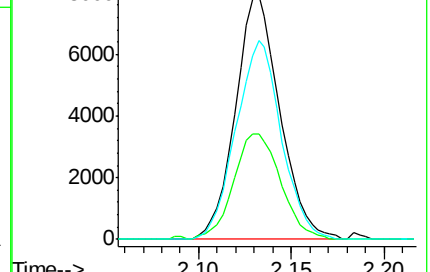
151 83.0 65.9 98.9



Abundance Ion 101.00 (100.70 to 101.70): VV017537.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017537.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017537.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 5.993 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

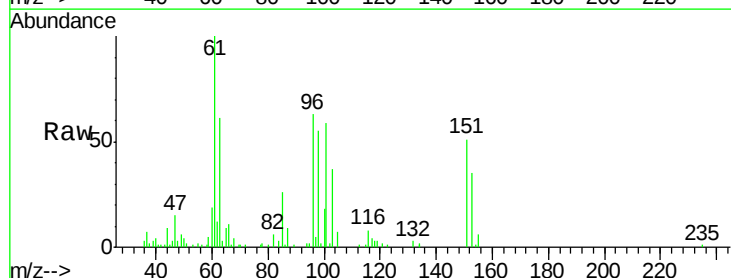
Tgt Ion: 96 Resp: 11416

Ion Ratio Lower Upper

96 100

61 158.6 126.0 234.0

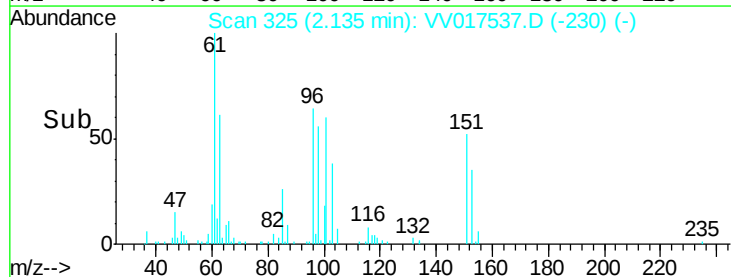
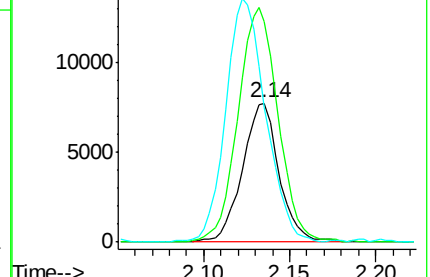
63 97.4 99.8 185.4#

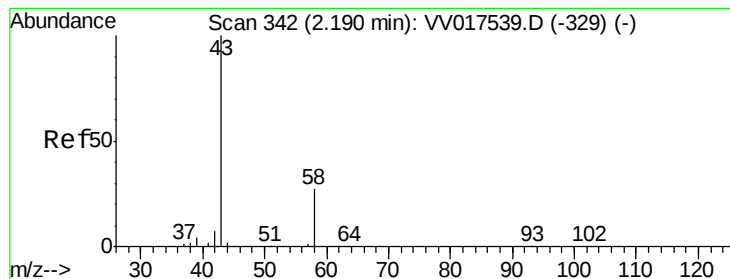


Abundance Ion 96.00 (95.70 to 96.70): VV017537.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017537.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017537.D (-230) (-)





#13

Acetone

Concen: 14.266 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

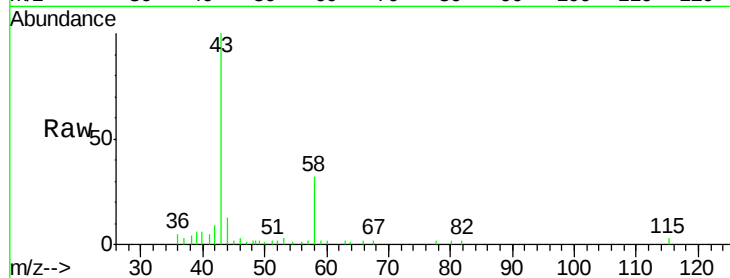
VSTD00565

Tgt Ion: 43 Resp: 21340

Ion Ratio Lower Upper

43 100

58 27.9 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV017537.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VV017537.D (-249) (-)

2.19

8000

6000

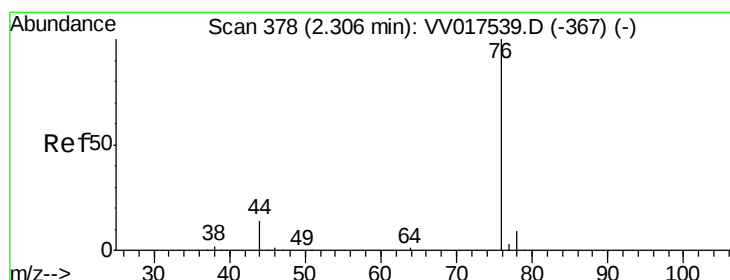
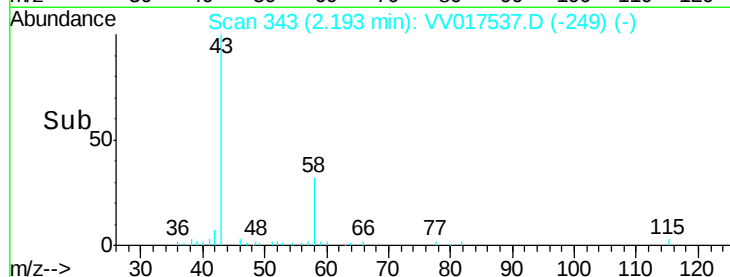
4000

2000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.954 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017537.D

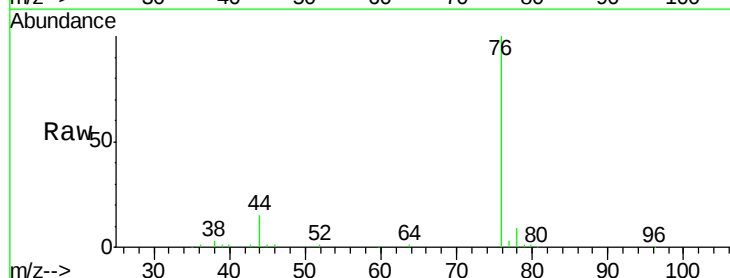
Acq: 20 Jul 2020 11:47

Tgt Ion: 76 Resp: 33334

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV017537.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV017537.D (-285) (-)

2.31

25000

20000

15000

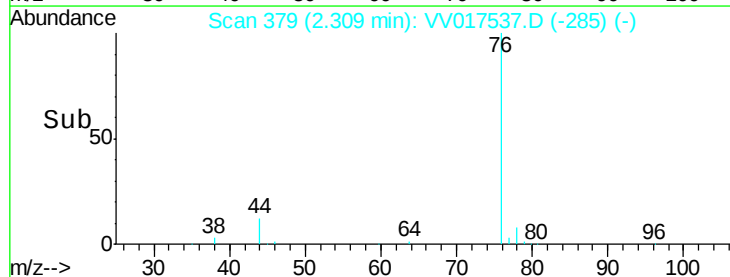
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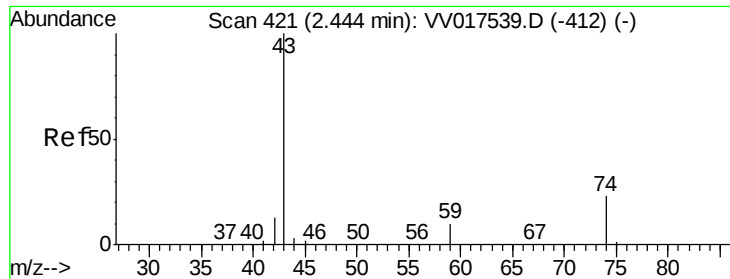
5000

0

Time-->

2.25 2.30 2.35

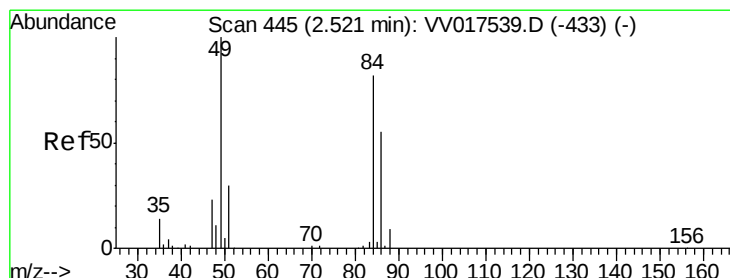
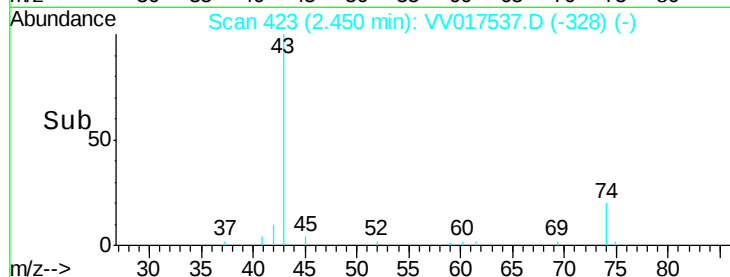
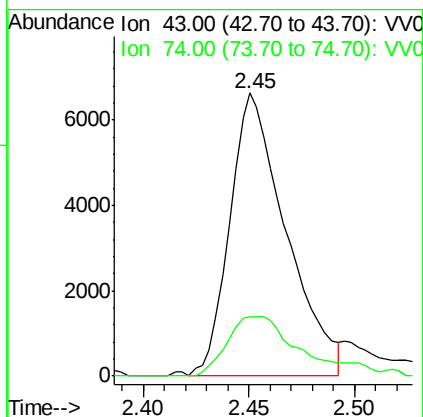
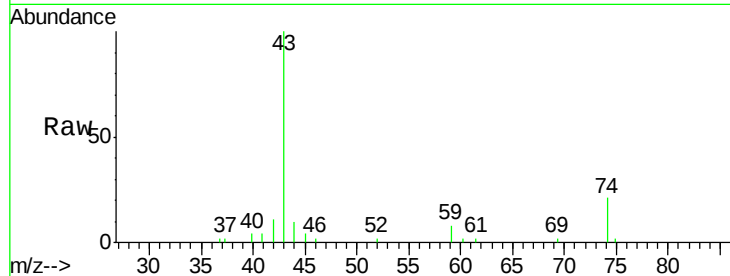




#15
Methyl Acetate
Concen: 6.163 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV017537.D
Acq: 20 Jul 2020 11:47

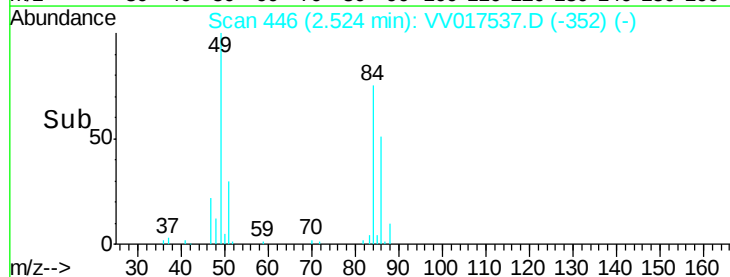
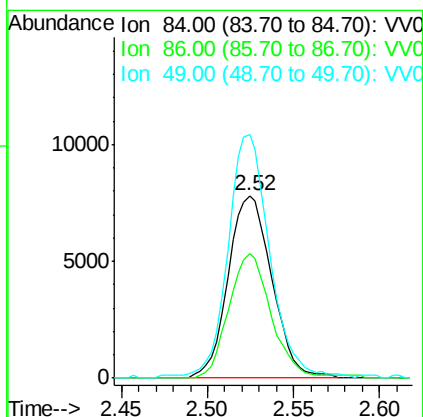
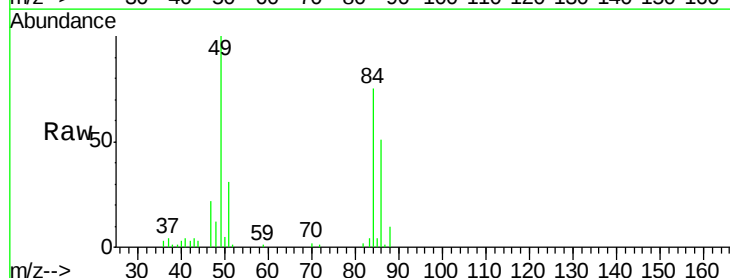
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

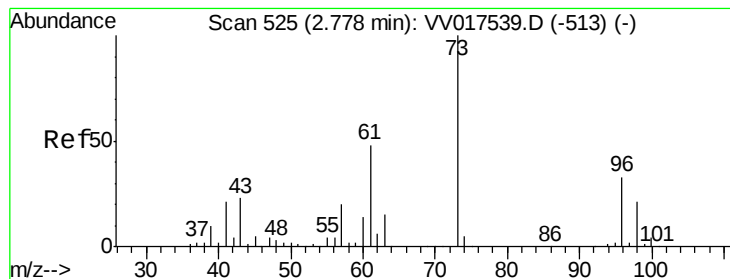
Tgt Ion: 43 Resp: 12283
Ion Ratio Lower Upper
43 100
74 25.3 20.3 30.5



#16
Methylene chloride
Concen: 6.401 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017537.D
Acq: 20 Jul 2020 11:47

Tgt Ion: 84 Resp: 13866
Ion Ratio Lower Upper
84 100
86 68.5 47.1 87.5
49 133.6 85.8 159.4





#17

trans-1,2-Dichloroethene

Concen: 5.983 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

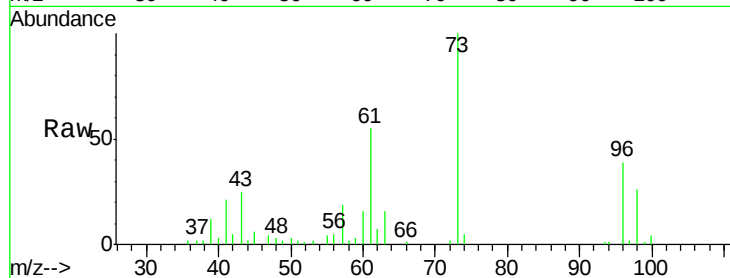
Tgt Ion: 96 Resp: 11948

Ion Ratio Lower Upper

96 100

61 140.4 100.4 186.6

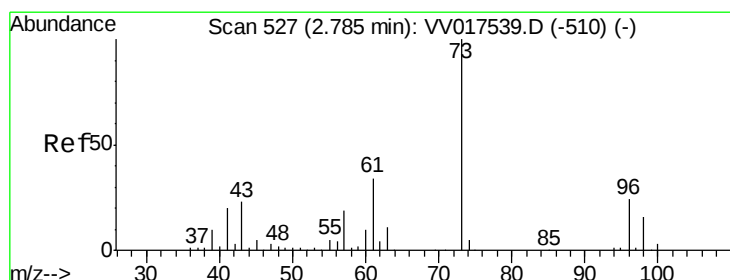
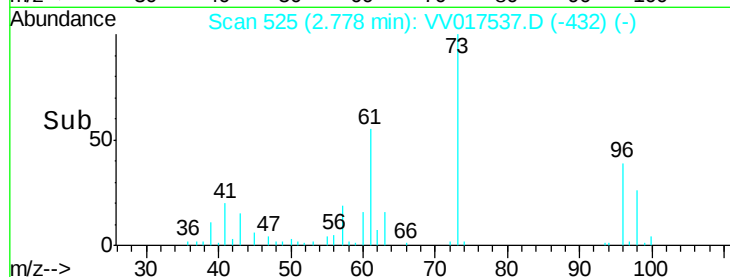
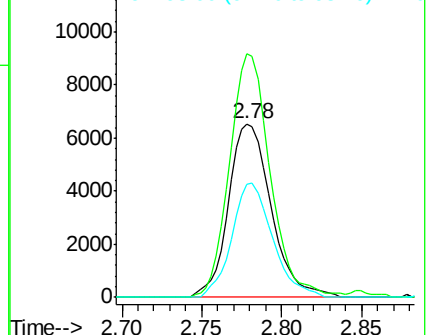
98 65.2 44.8 83.2



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: 5.684 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

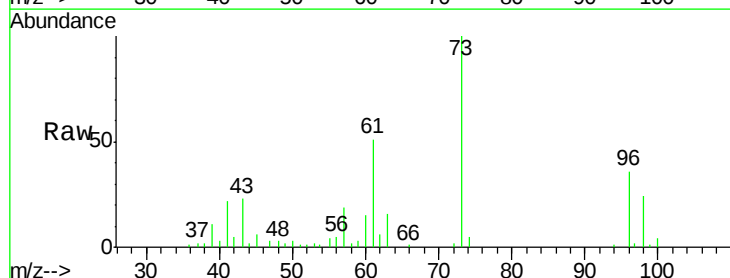
Tgt Ion: 73 Resp: 38905

Ion Ratio Lower Upper

73 100

43 23.1 18.1 27.1

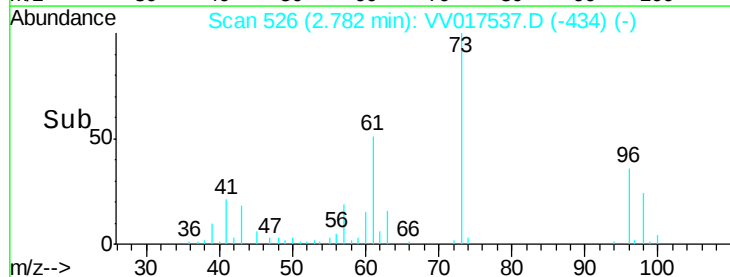
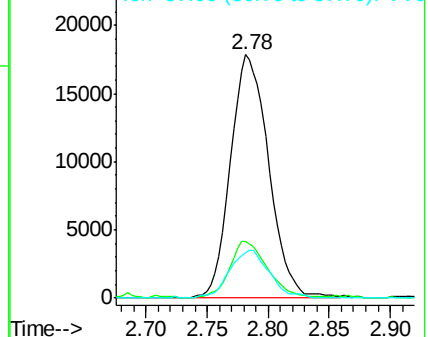
57 19.9 15.8 23.8

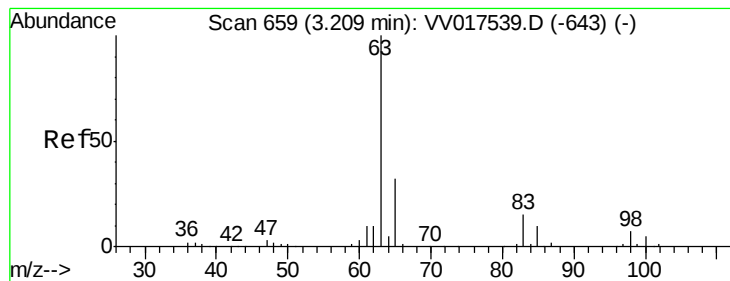


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 5.668 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

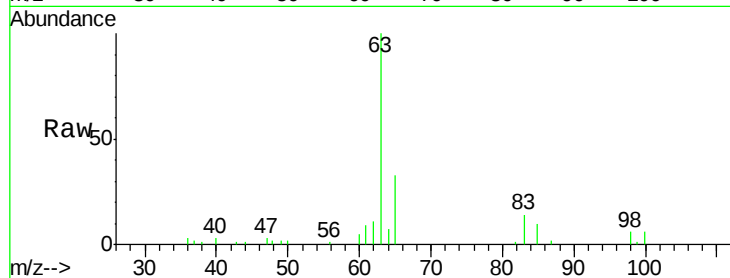
Tgt Ion: 63 Resp: 21070

Ion Ratio Lower Upper

63 100

65 32.8 22.0 41.0

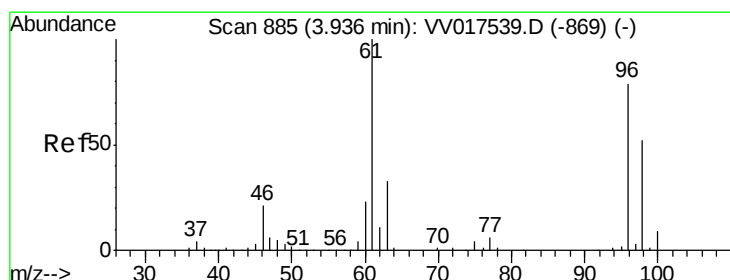
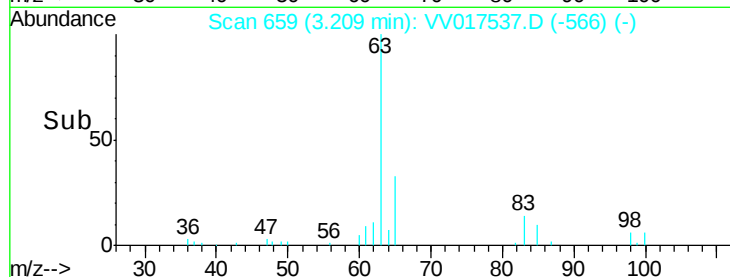
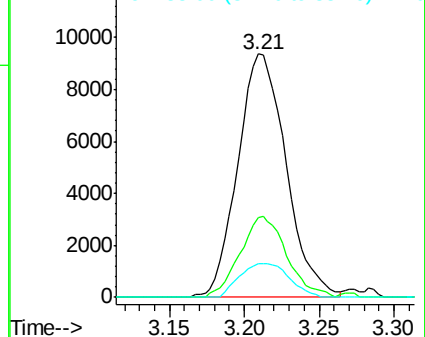
83 13.8 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 5.874 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

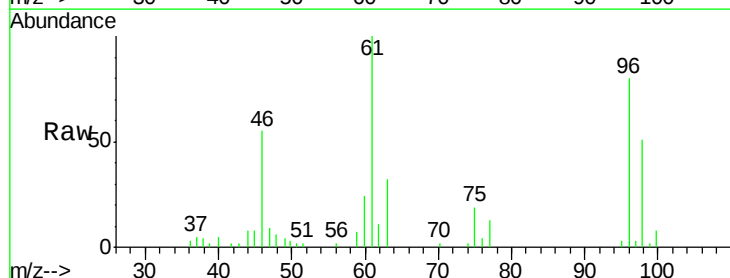
Tgt Ion: 96 Resp: 12738

Ion Ratio Lower Upper

96 100

61 125.5 88.5 164.4

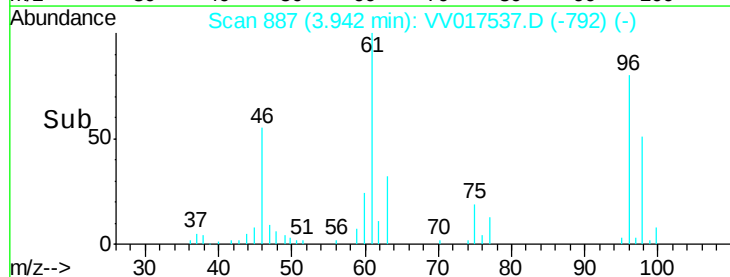
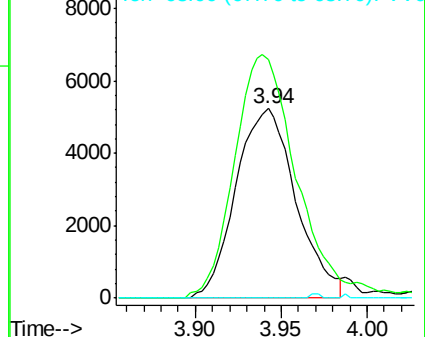
68 0.0 0.0 0.0

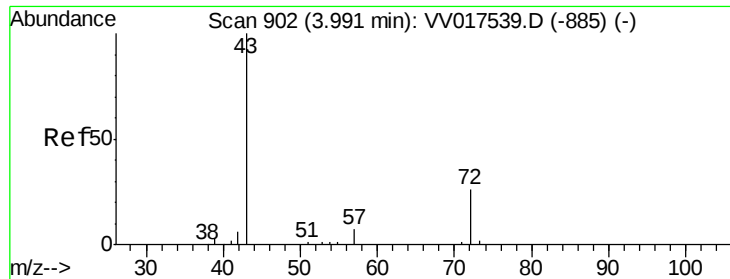


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 4.698 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.02 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

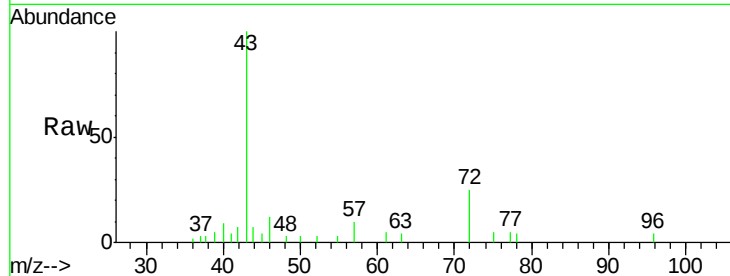
VSTD00565

Tgt Ion: 43 Resp: 6780

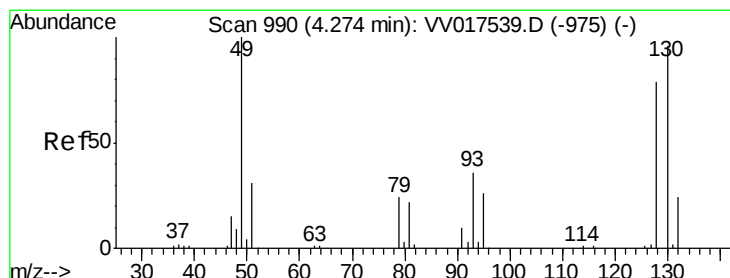
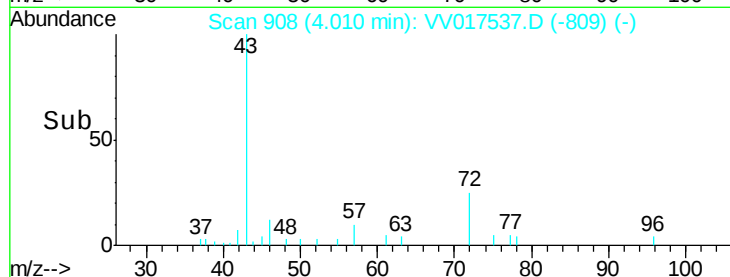
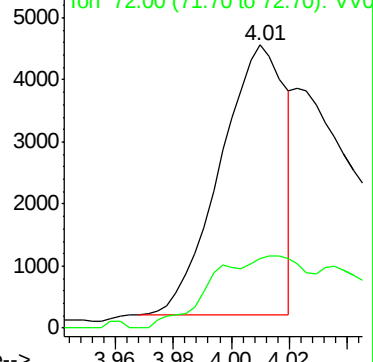
Ion Ratio Lower Upper

43 100

72 15.8 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017537.D (-899) (-)



#23

Bromochloromethane

Concen: 5.697 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Tgt Ion: 128 Resp: 6902

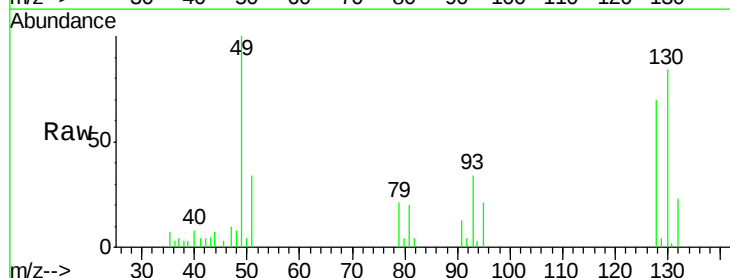
Ion Ratio Lower Upper

128 100

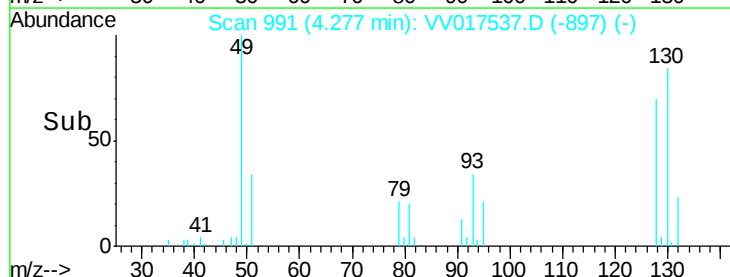
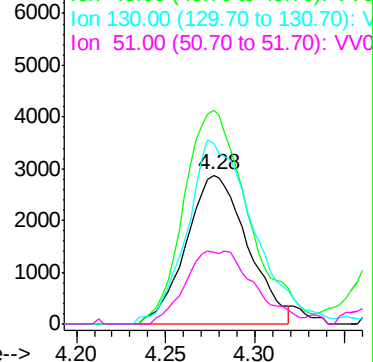
49 143.5 89.3 165.9

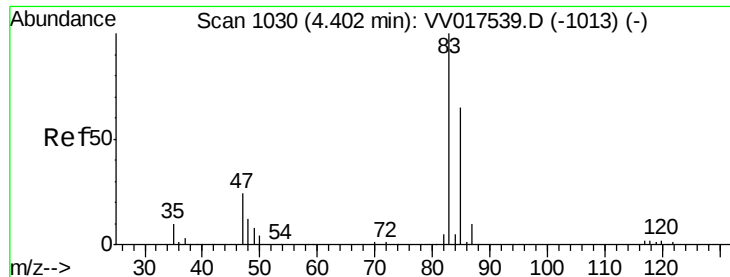
130 121.2 84.9 157.7

51 48.1 31.9 47.9#



Abundance Ion 128.00 (127.70 to 128.70): VV017537.D (-897) (-)

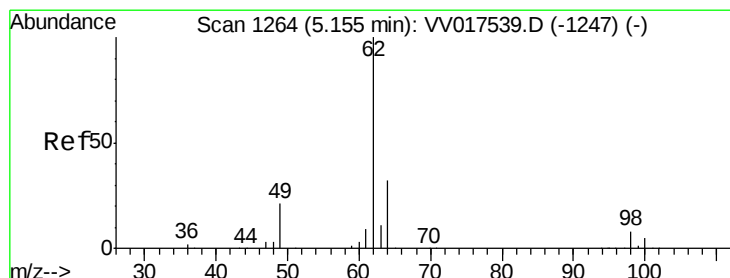
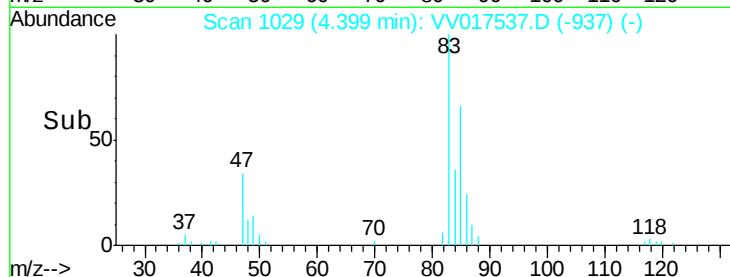
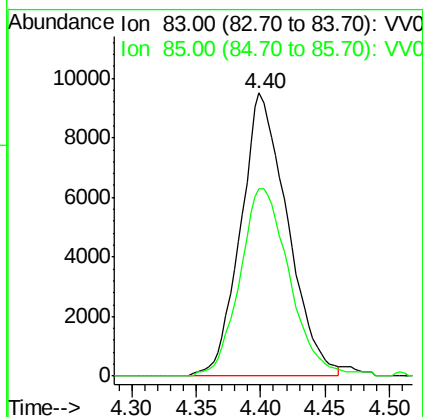
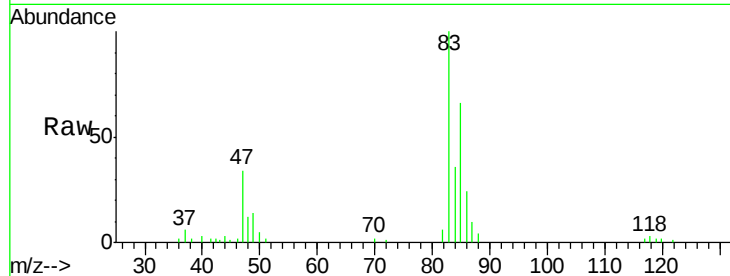




#25
Chloroform
Concen: 5.748 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017537.D
Acq: 20 Jul 2020 11:47

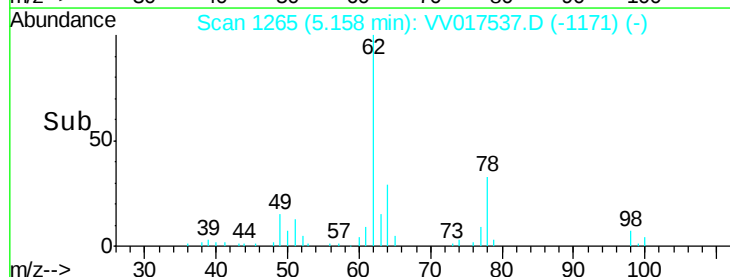
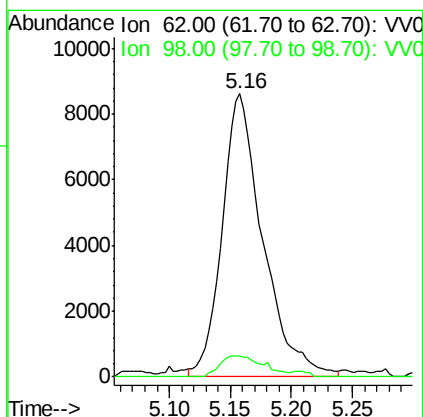
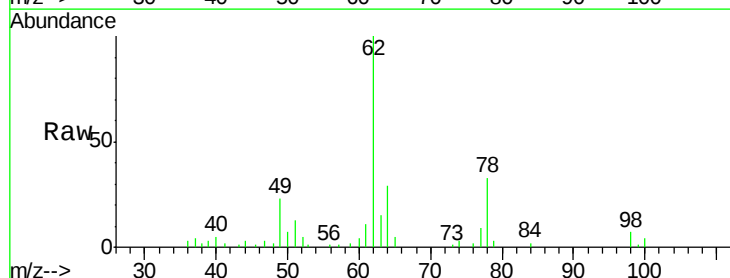
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

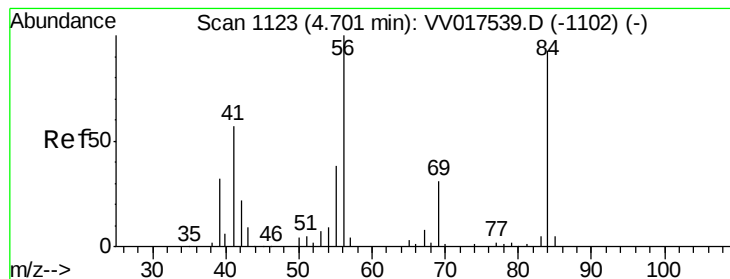
Tgt Ion: 83 Resp: 24072
Ion Ratio Lower Upper
83 100
85 66.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.490 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017537.D
Acq: 20 Jul 2020 11:47

Tgt Ion: 62 Resp: 20104
Ion Ratio Lower Upper
62 100
98 7.2 6.2 9.4





#29

Cyclohexane

Concen: 5.531 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

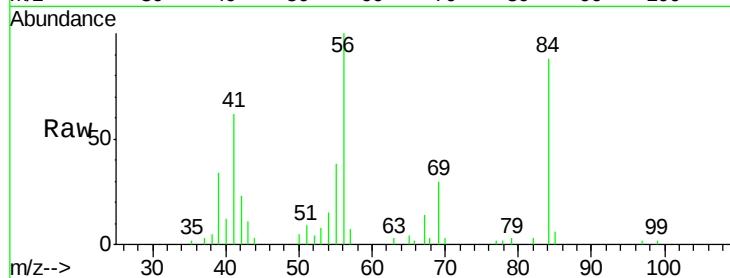
Tgt Ion: 56 Resp: 16826

Ion Ratio Lower Upper

56 100

69 32.6 0.0 0.0#

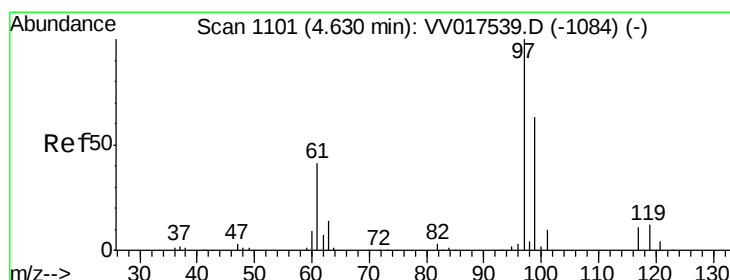
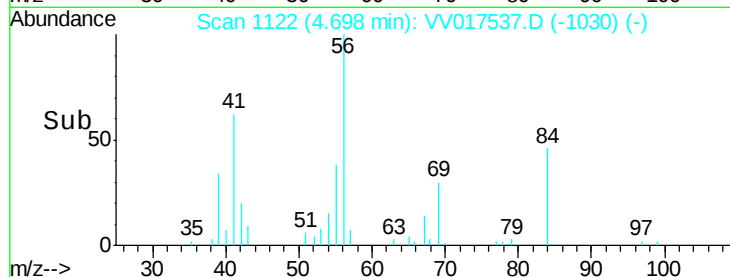
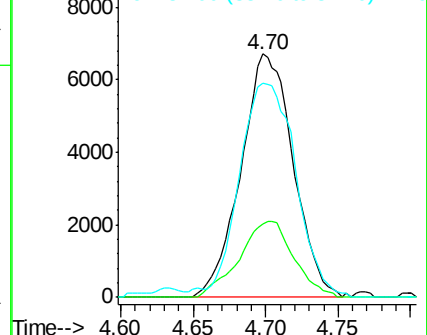
84 94.0 75.1 112.7



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 5.551 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

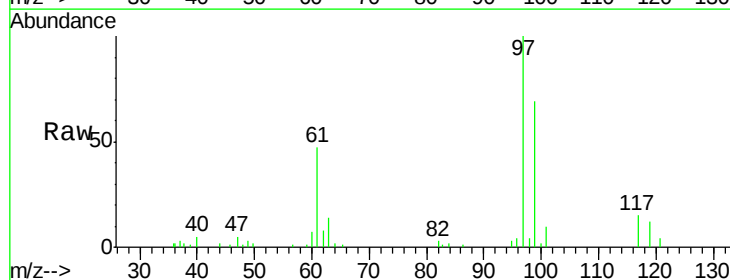
Tgt Ion: 97 Resp: 22558

Ion Ratio Lower Upper

97 100

99 65.6 50.5 75.7

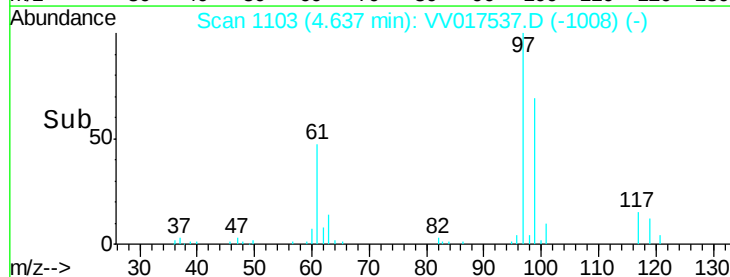
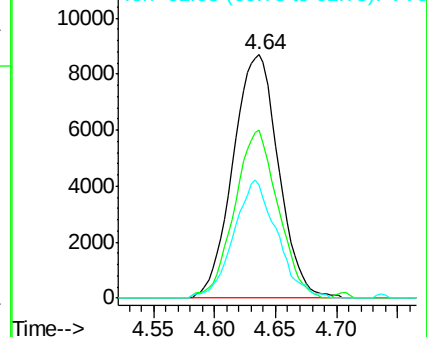
61 45.7 34.1 51.1

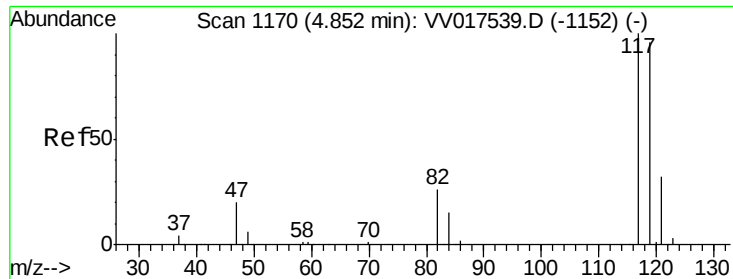


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 5.746 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

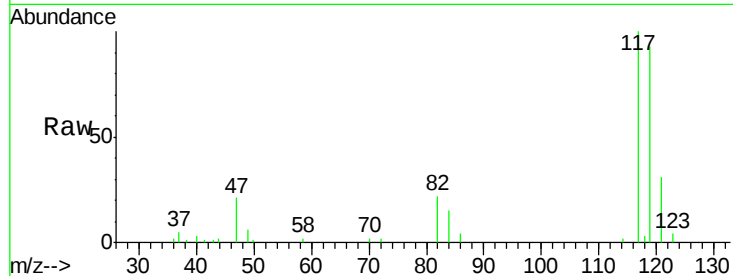
VSTD00565

Tgt Ion:117 Resp: 21314

Ion Ratio Lower Upper

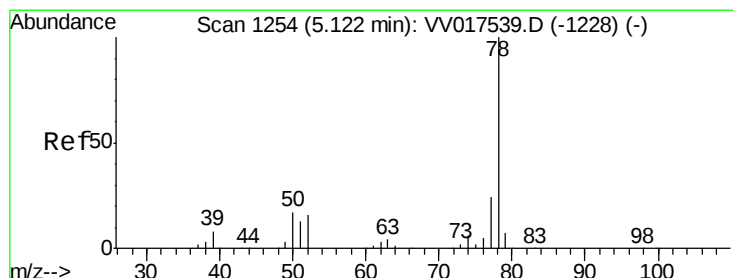
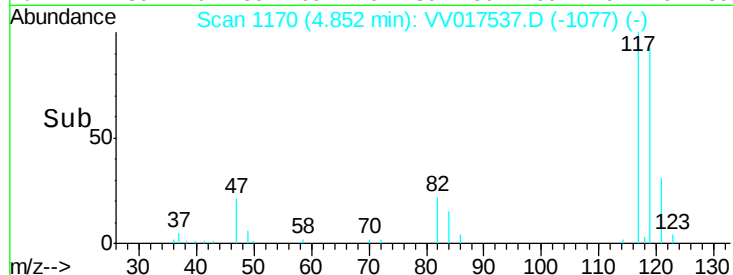
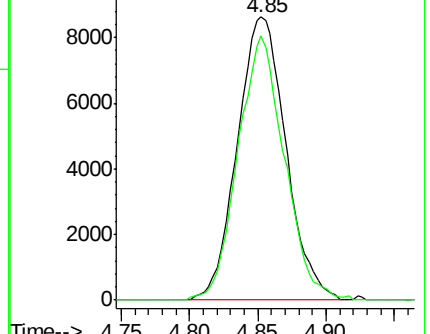
117 100

119 89.3 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.580 ug/L

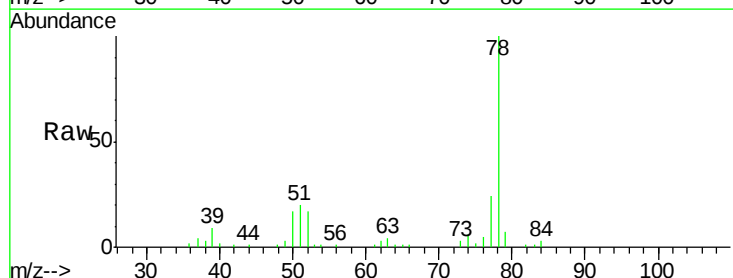
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

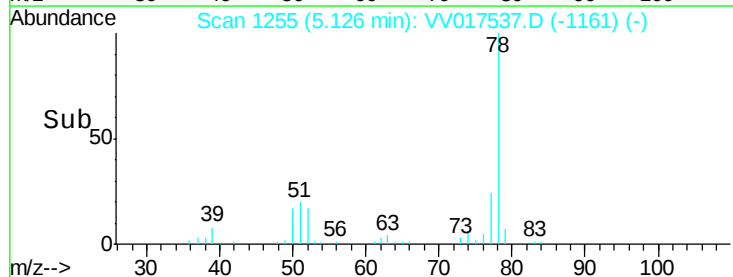
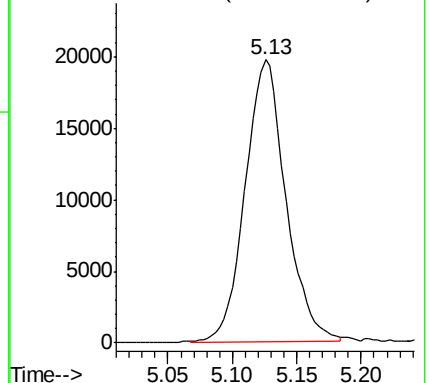
Lab File: VV017537.D

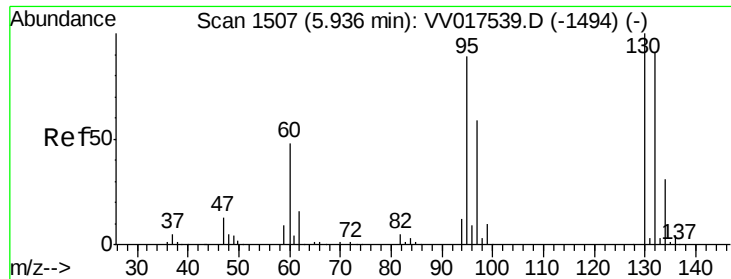
Acq: 20 Jul 2020 11:47

Tgt Ion: 78 Resp: 43449



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 5.178 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

Tgt Ion: 95 Resp: 11875

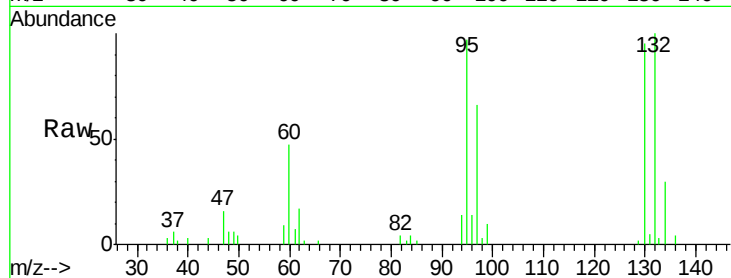
Ion Ratio Lower Upper

95 100

97 68.0 46.1 85.5

132 102.9 71.3 132.3

130 97.9 78.3 145.3

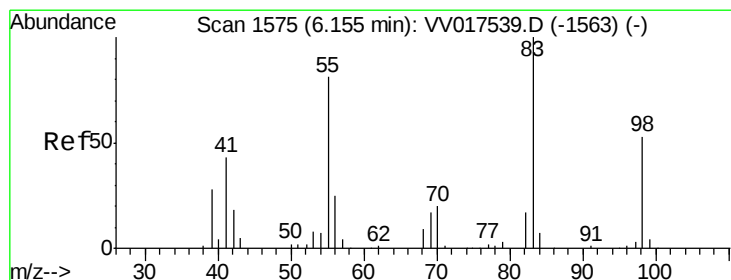
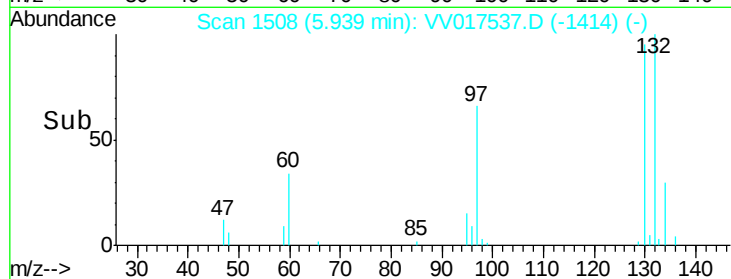
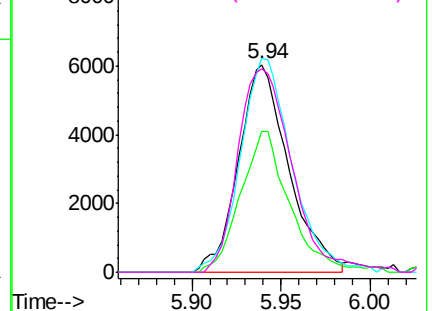


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.469 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

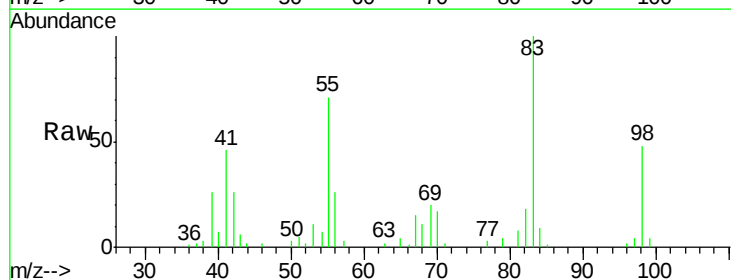
Tgt Ion: 83 Resp: 18333

Ion Ratio Lower Upper

83 100

55 75.0 60.7 91.1

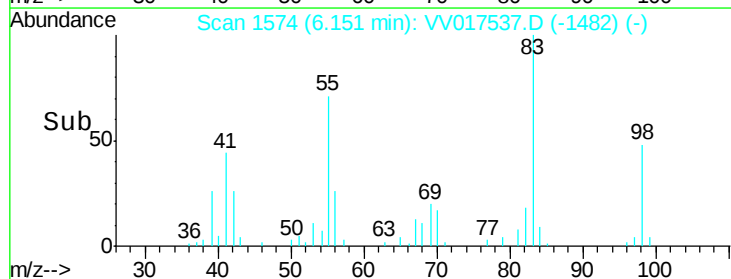
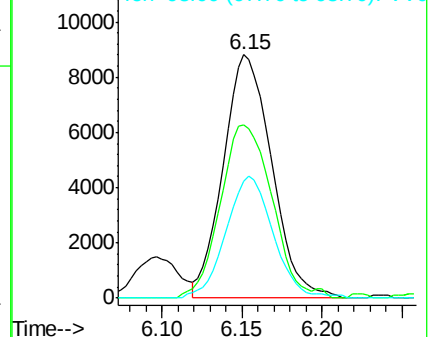
98 47.7 40.8 61.2

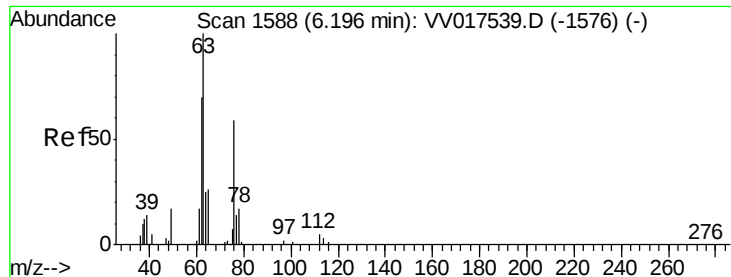


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 6.270 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

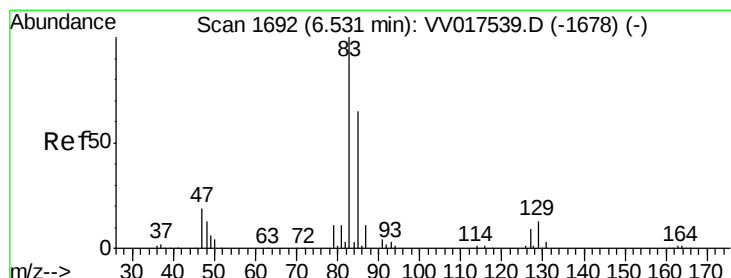
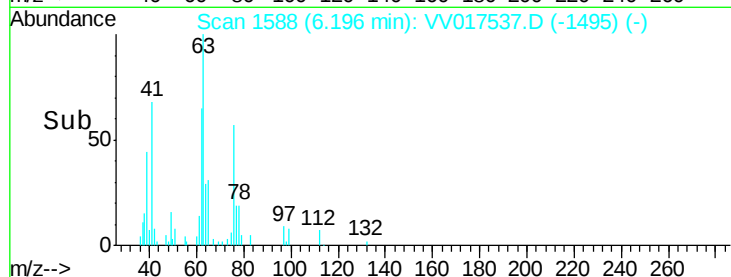
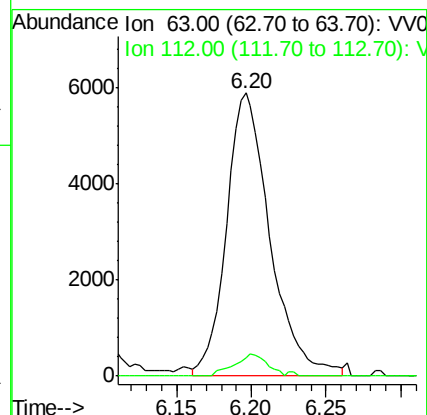
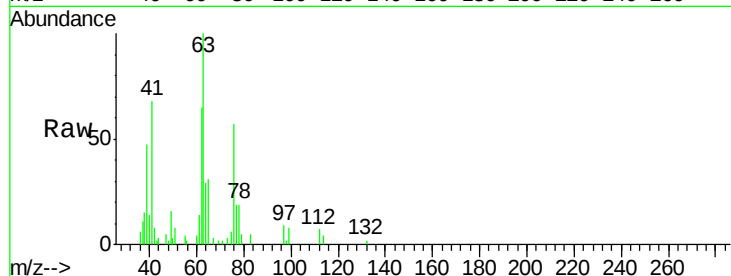
VSTD00565

Tgt Ion: 63 Resp: 11976

Ion Ratio Lower Upper

63 100

112 5.9 4.5 6.7



#38

Bromodichloromethane

Concen: 5.654 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

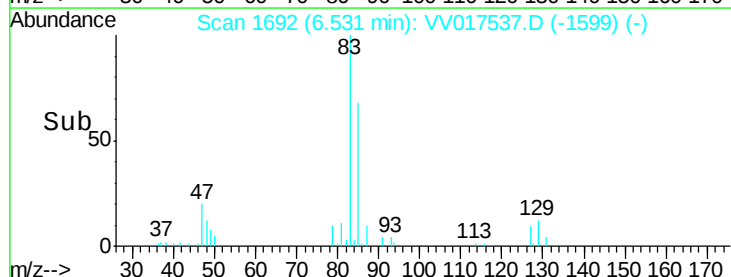
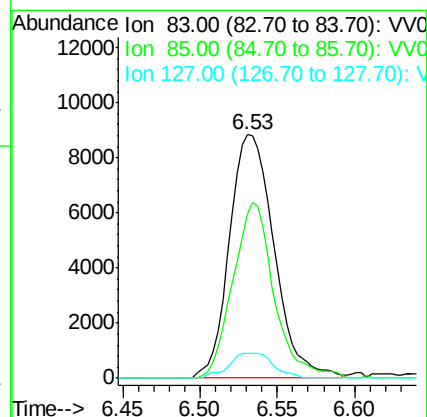
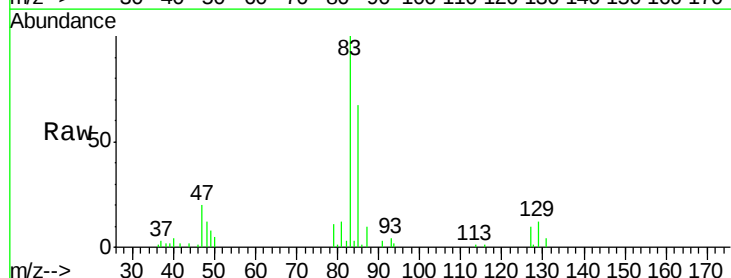
Tgt Ion: 83 Resp: 17738

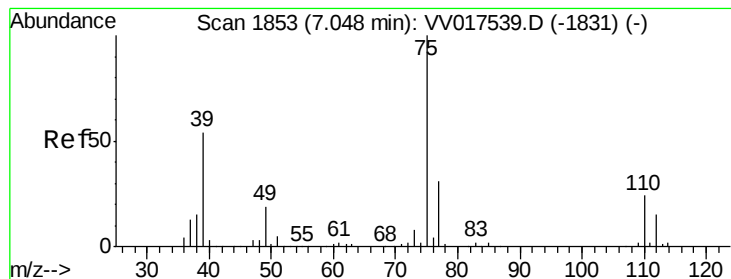
Ion Ratio Lower Upper

83 100

85 67.3 45.4 84.4

127 11.5 7.6 11.4#



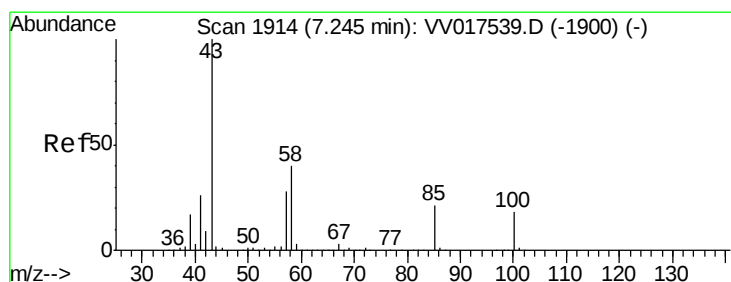
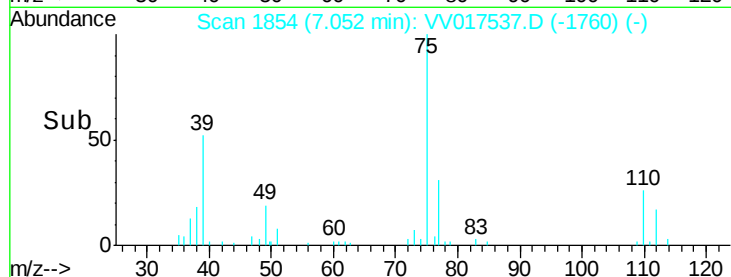
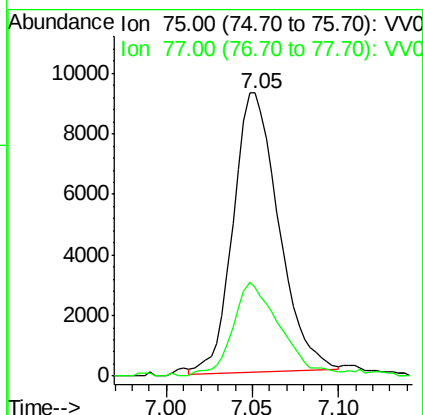
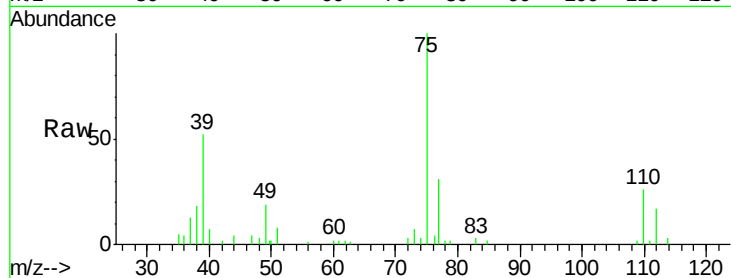


#39

cis-1,3-Dichloropropene
 Concen: 5.157 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017537.D
 Acq: 20 Jul 2020 11:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

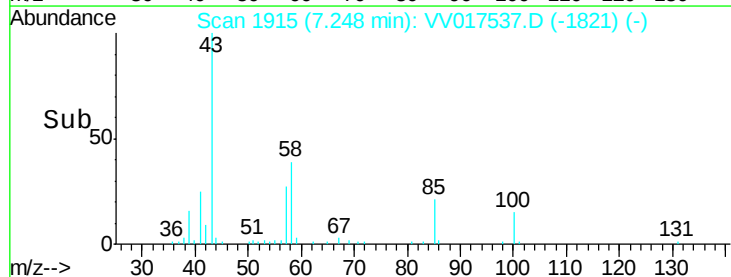
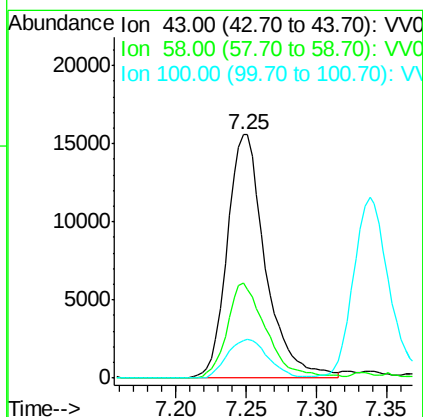
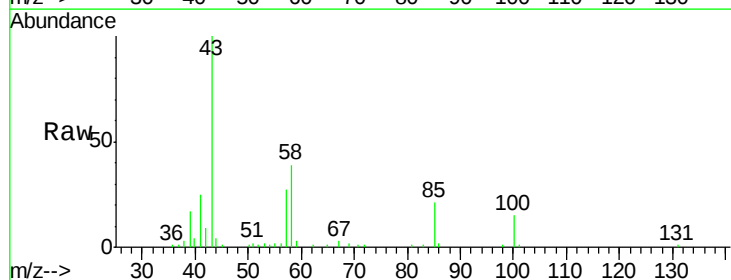
Tgt Ion: 75 Resp: 16954
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.4 39.8

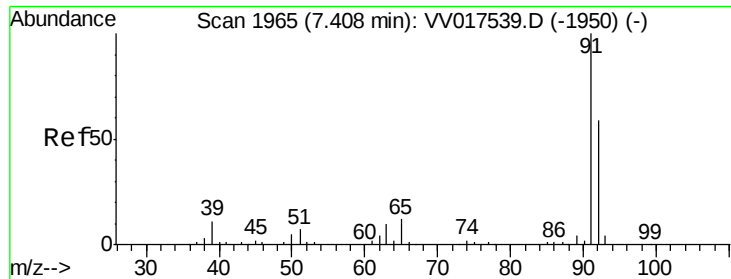


#40

4-Methyl-2-pentanone
 Concen: 11.066 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017537.D
 Acq: 20 Jul 2020 11:47

Tgt Ion: 43 Resp: 29470
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.8 47.6
 100 17.1 14.6 21.8





#42

Toluene

Concen: 5.533 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

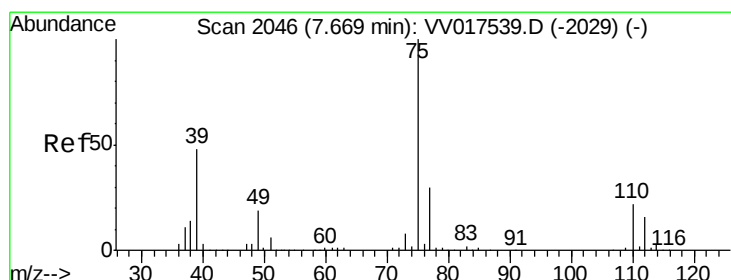
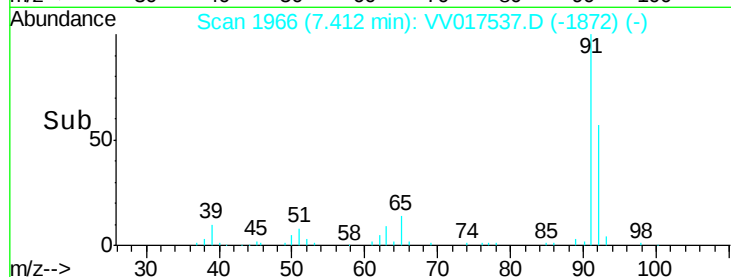
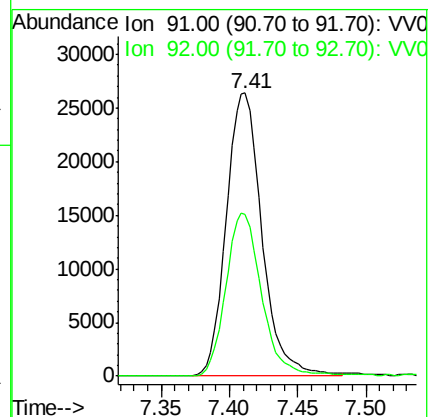
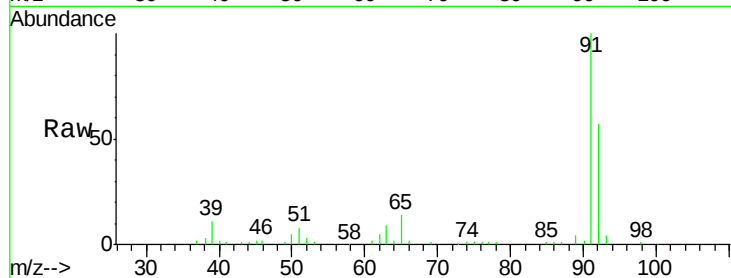
VSTD00565

Tgt Ion: 91 Resp: 48069

Ion Ratio Lower Upper

91 100

92 57.0 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 5.321 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV017537.D

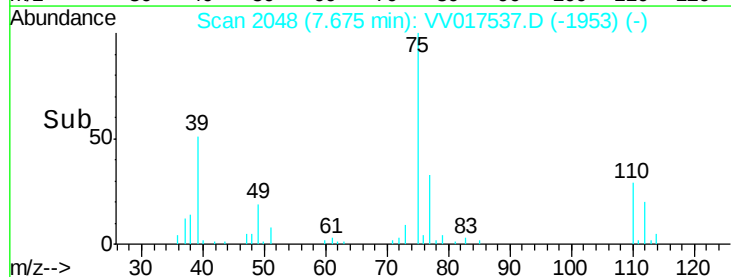
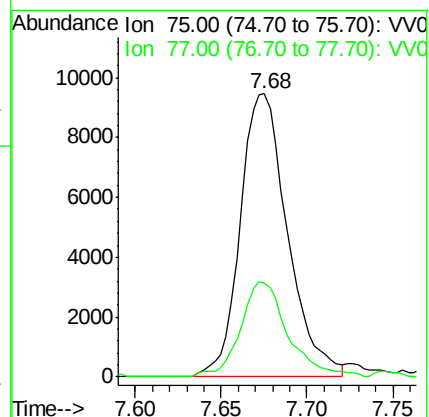
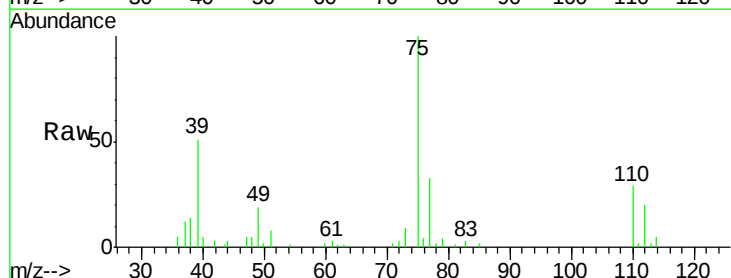
Acq: 20 Jul 2020 11:47

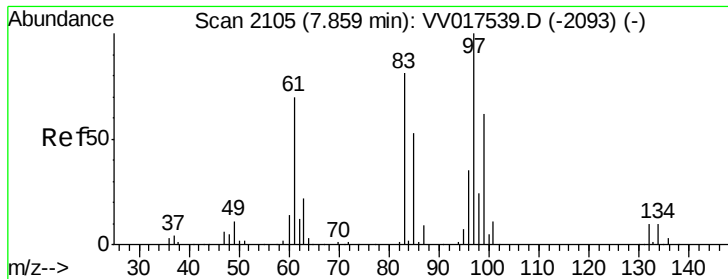
Tgt Ion: 75 Resp: 18095

Ion Ratio Lower Upper

75 100

77 33.0 21.2 39.4

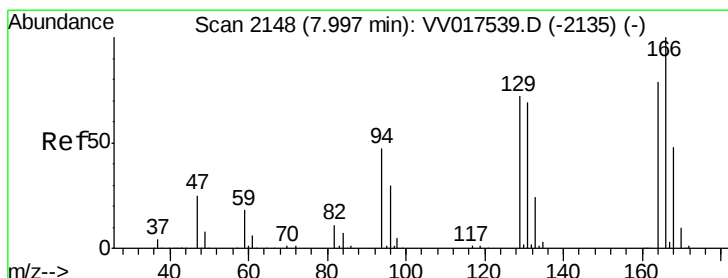
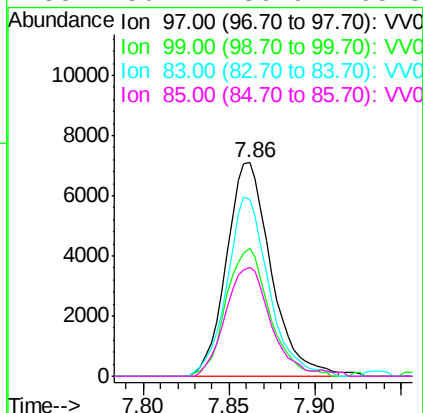
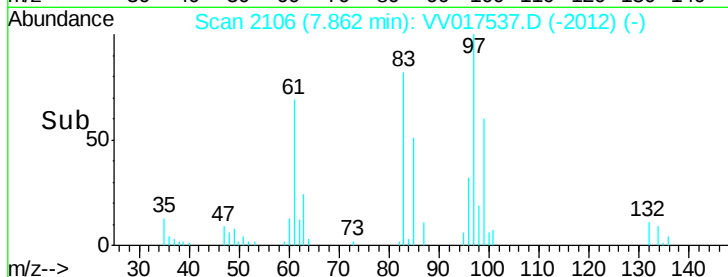
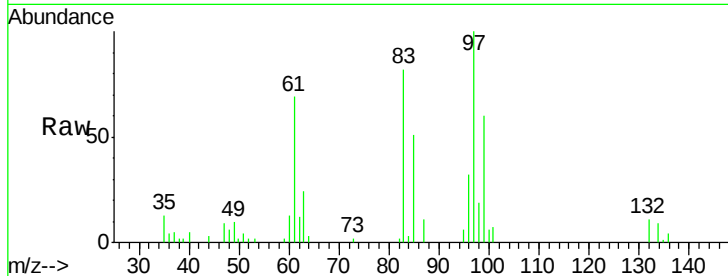




#45
 1,1,2-Trichloroethane
 Concen: 6.109 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017537.D
 Acq: 20 Jul 2020 11:47

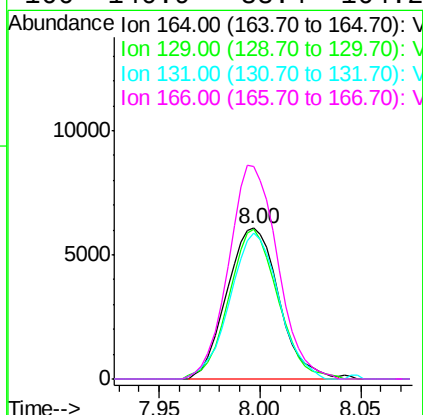
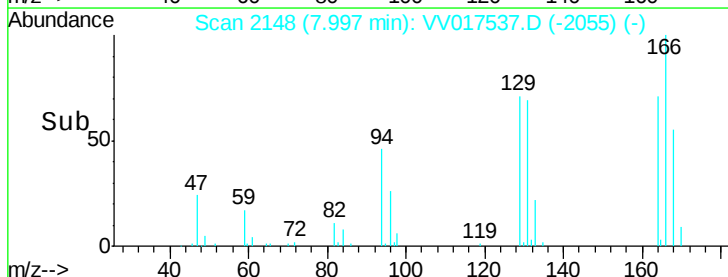
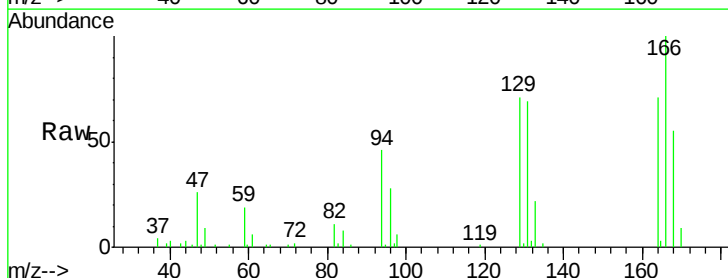
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

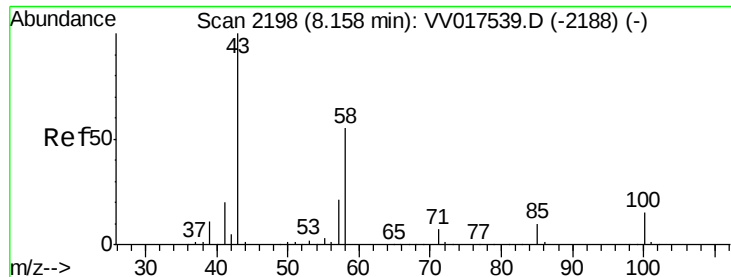
Tgt Ion:	97	Resp:	12782
Ion	Ratio	Lower	Upper
97	100		
99	60.0	43.4	80.6
83	82.5	56.9	105.7
85	50.7	36.9	68.5



#46
 Tetrachloroethene
 Concen: 5.637 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017537.D
 Acq: 20 Jul 2020 11:47

Tgt Ion:	164	Resp:	10972
Ion	Ratio	Lower	Upper
164	100		
129	99.4	63.6	118.2
131	96.6	61.3	113.9
166	140.9	88.4	164.2

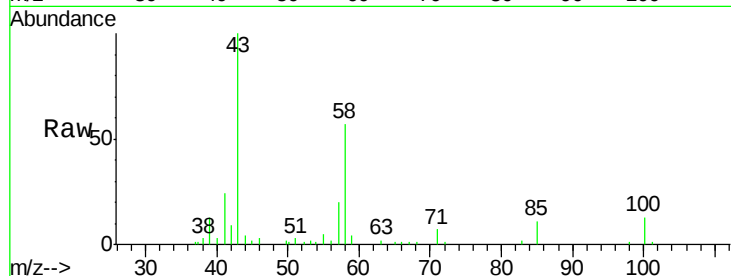




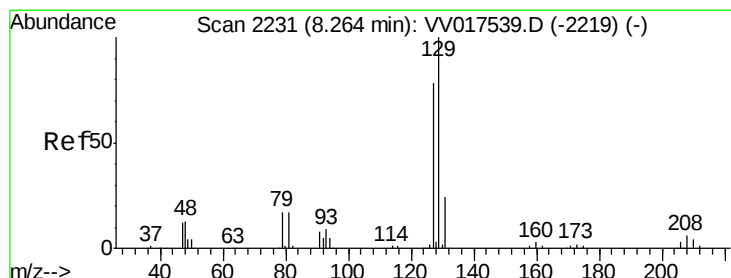
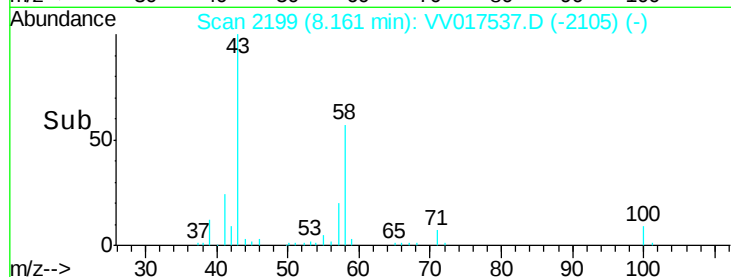
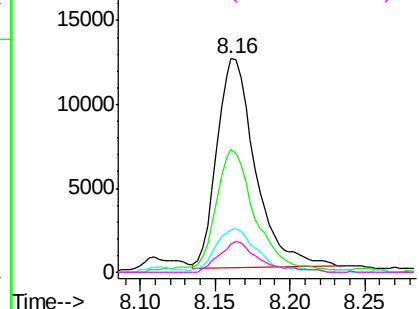
#48
2-Hexanone
Concen: 10.339 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017537.D
Acq: 20 Jul 2020 11:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion: 43 Resp: 22281
Ion Ratio Lower Upper
43 100
58 54.8 43.3 64.9
57 20.8 17.2 25.8
100 14.2 11.7 17.5

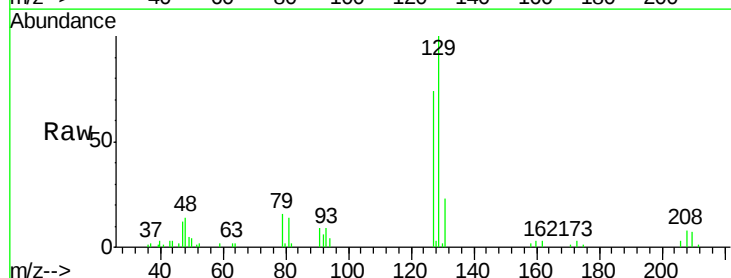


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

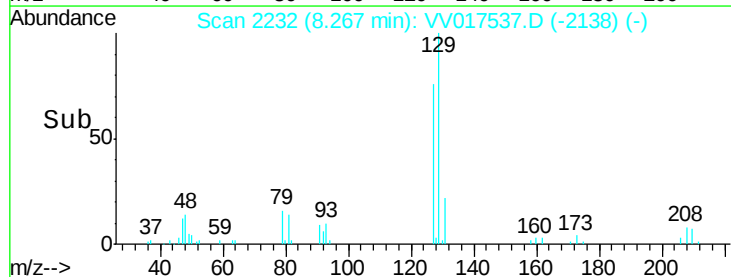
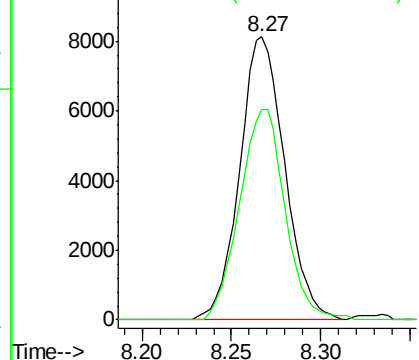


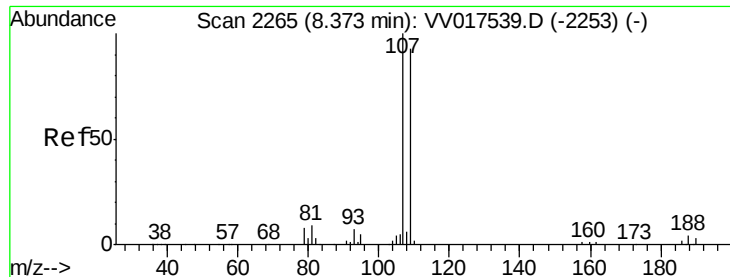
#49
Dibromochloromethane
Concen: 5.457 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017537.D
Acq: 20 Jul 2020 11:47

Tgt Ion: 129 Resp: 14333
Ion Ratio Lower Upper
129 100
127 74.4 54.3 100.9



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

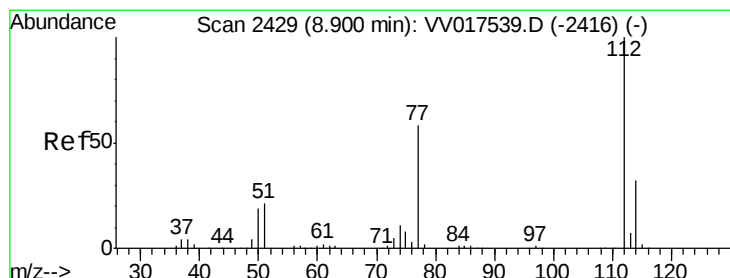
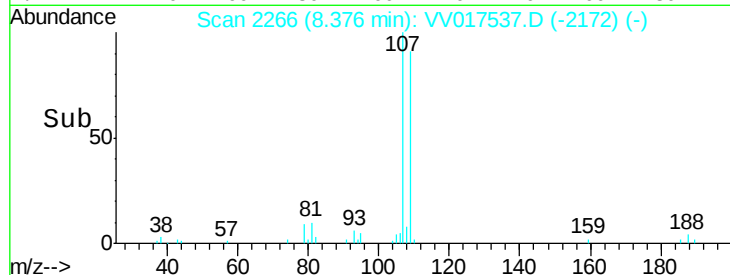
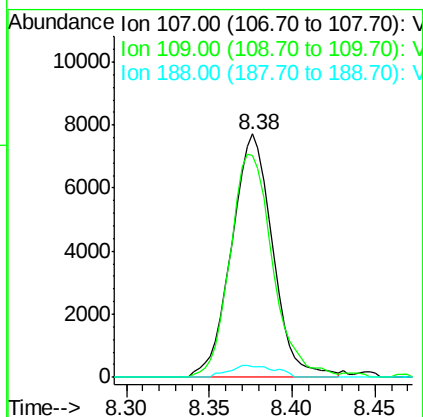
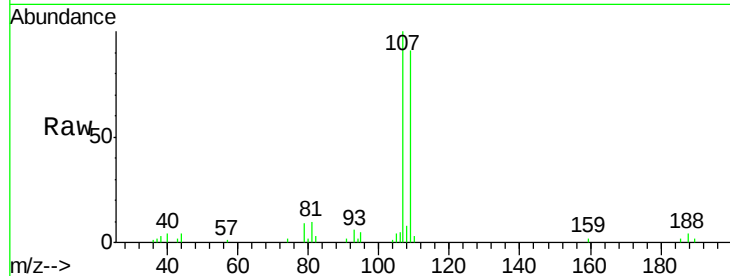




#50
1,2-Dibromoethane
Concen: 5.803 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV017537.D
Acq: 20 Jul 2020 11:47

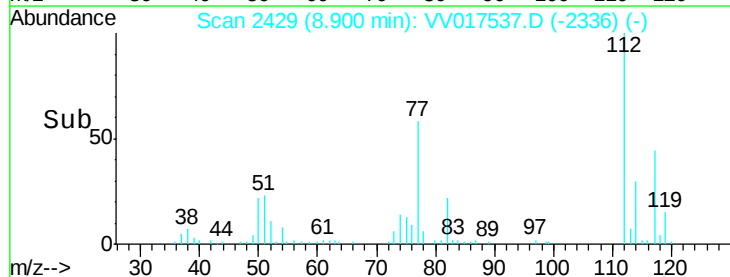
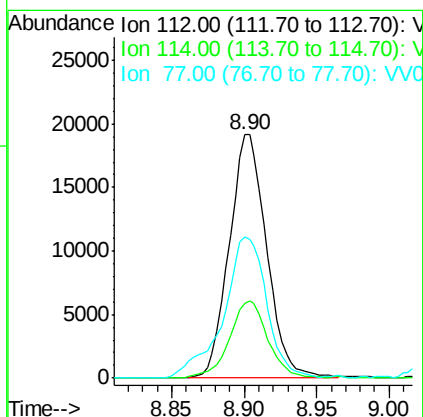
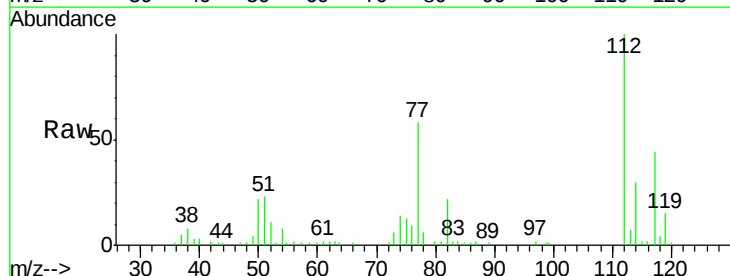
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

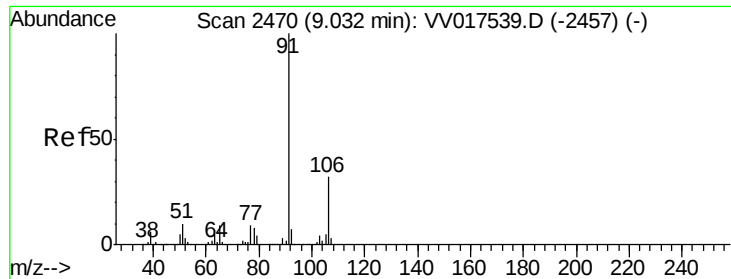
Tgt Ion:107 Resp: 13335
Ion Ratio Lower Upper
107 100
109 91.3 65.5 121.7
188 4.3 3.3 4.9



#51
Chlorobenzene
Concen: 5.785 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017537.D
Acq: 20 Jul 2020 11:47

Tgt Ion:112 Resp: 34351
Ion Ratio Lower Upper
112 100
114 30.5 22.7 42.1
77 58.2 46.9 70.3





#52

Ethylbenzene

Concen: 5.332 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

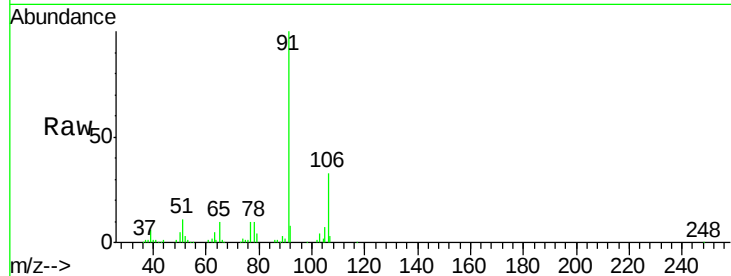
VSTD00565

Tgt Ion: 91 Resp: 53210

Ion Ratio Lower Upper

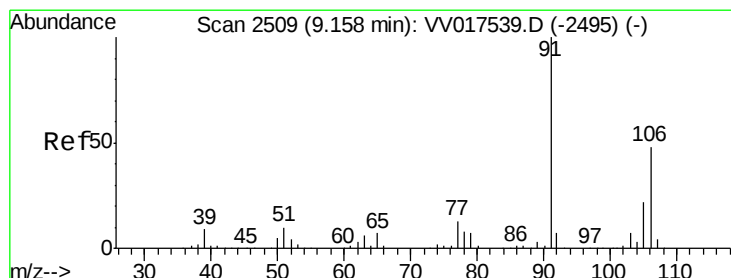
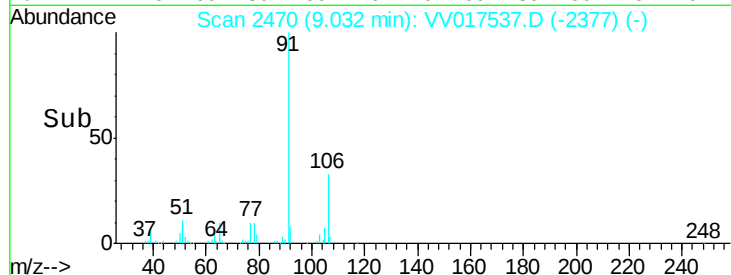
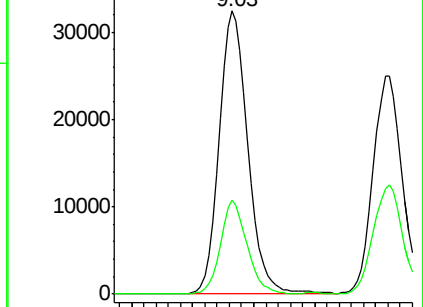
91 100

106 33.0 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VV017537.D (-2416) (-)

Ion 106.00 (105.70 to 106.70): VV017537.D (-2416) (-)



#53

m,p-Xylene

Concen: 5.649 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017537.D

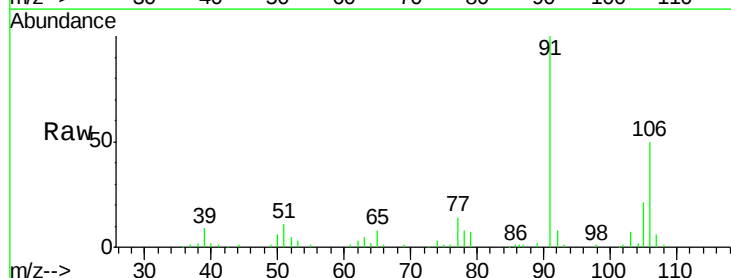
Acq: 20 Jul 2020 11:47

Tgt Ion: 106 Resp: 21067

Ion Ratio Lower Upper

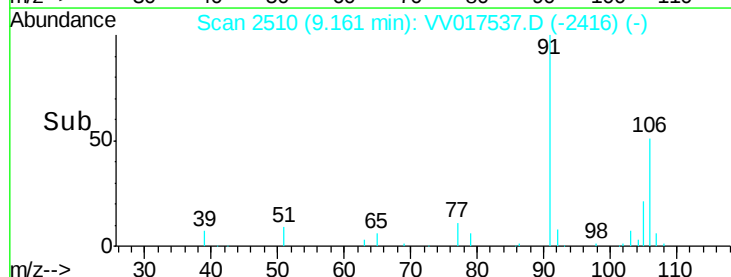
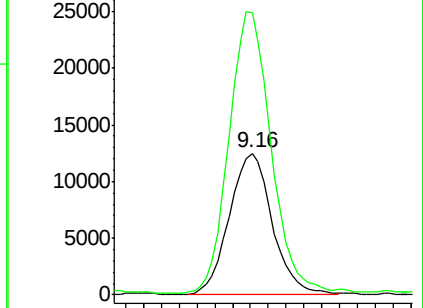
106 100

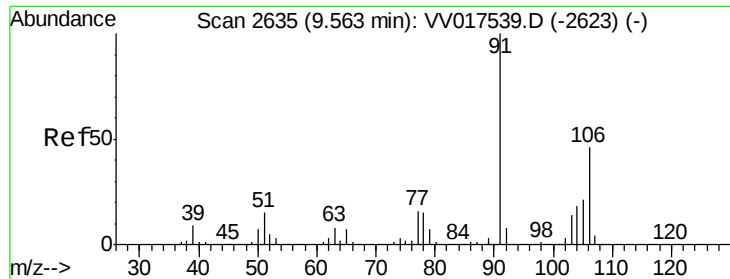
91 199.8 146.2 271.4



Abundance Ion 106.00 (105.70 to 106.70): VV017537.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV017537.D (-2416) (-)





#54

o-xylene

Concen: 5.438 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

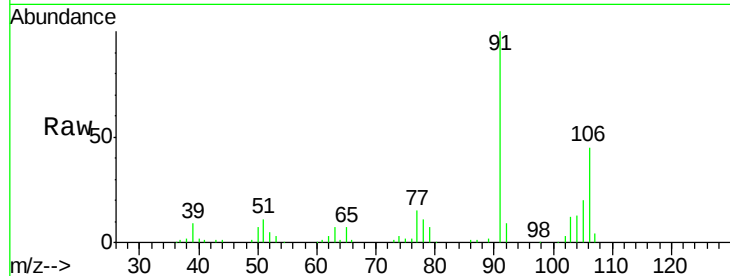
VSTD00565

Tgt Ion:106 Resp: 19635

Ion Ratio Lower Upper

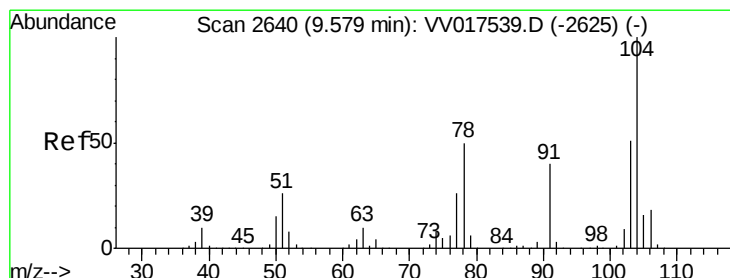
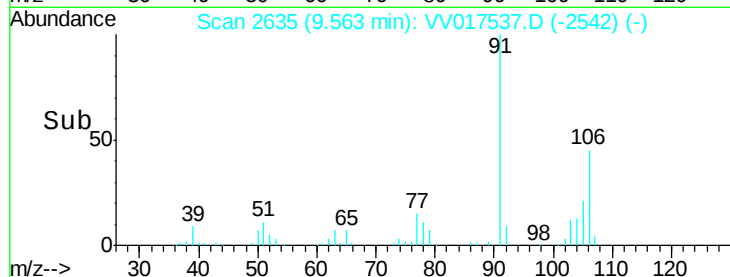
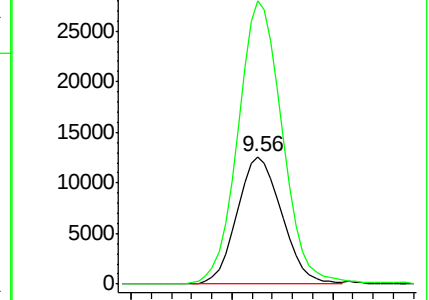
106 100

91 221.4 151.6 281.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 5.030 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017537.D

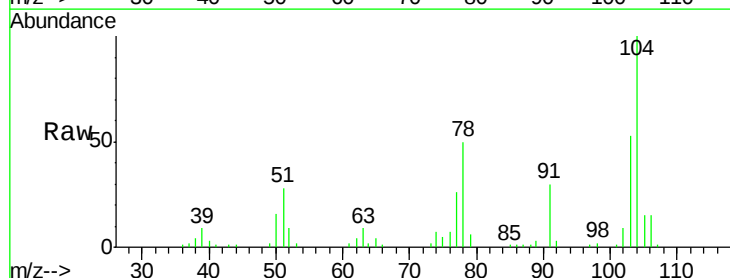
Acq: 20 Jul 2020 11:47

Tgt Ion:104 Resp: 31582

Ion Ratio Lower Upper

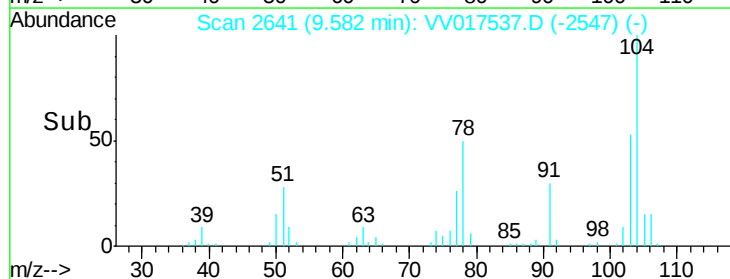
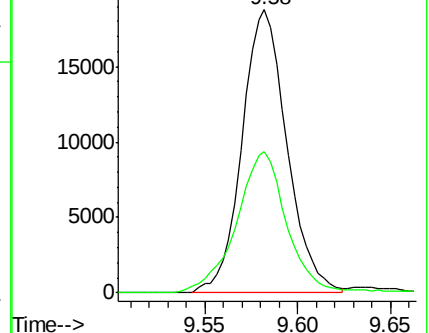
104 100

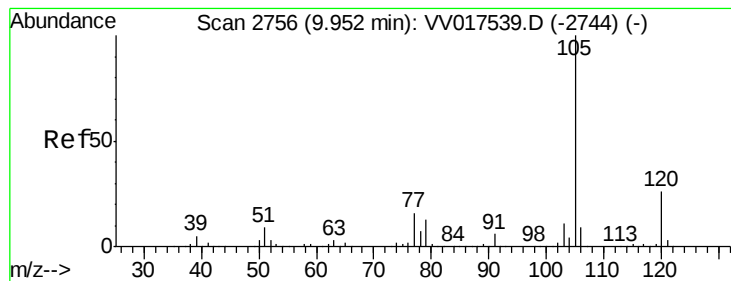
78 50.1 34.7 64.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 5.425 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

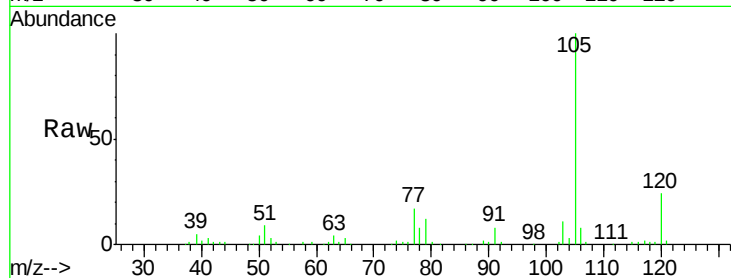
Tgt Ion: 105 Resp: 54438

Ion Ratio Lower Upper

105 100

120 24.9 21.0 31.6

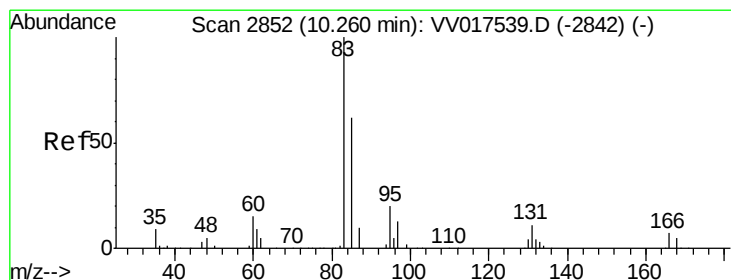
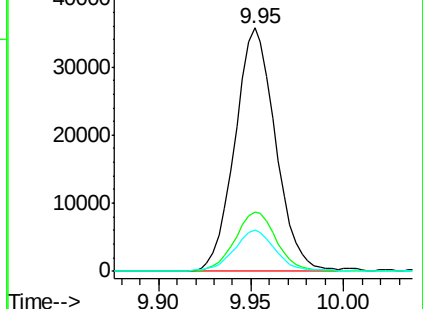
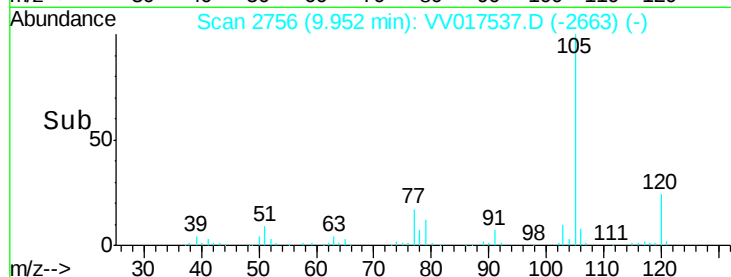
77 17.0 13.3 19.9



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: 5.916 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

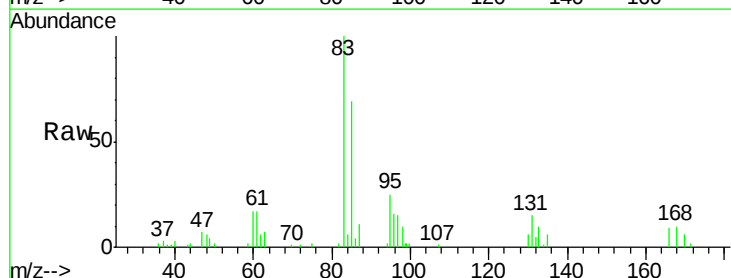
Tgt Ion: 83 Resp: 18338

Ion Ratio Lower Upper

83 100

85 68.8 44.7 82.9

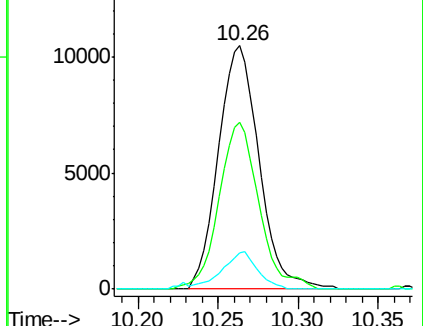
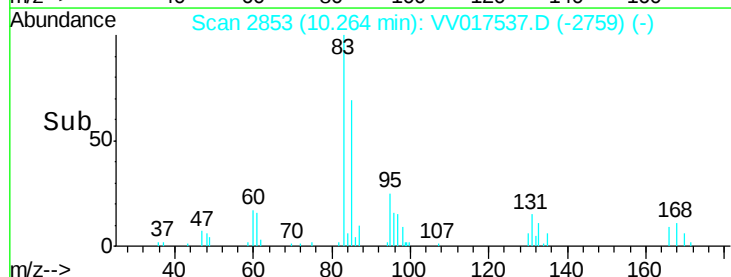
131 15.0 9.4 14.0#

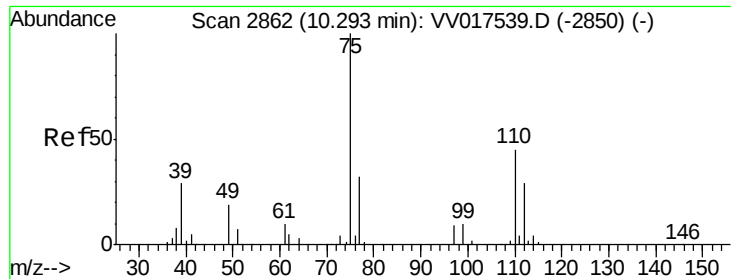


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 6.067 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

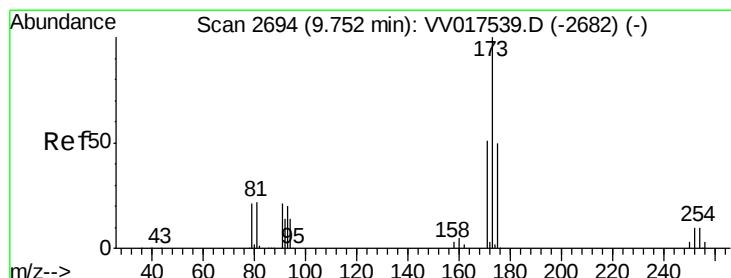
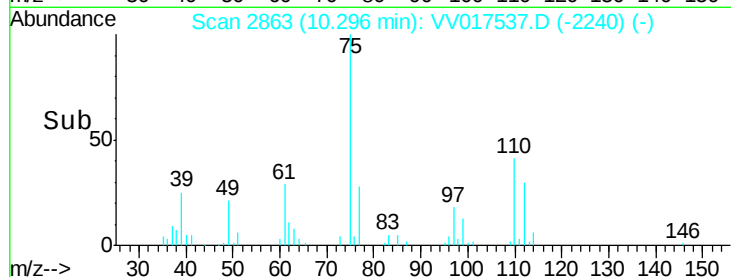
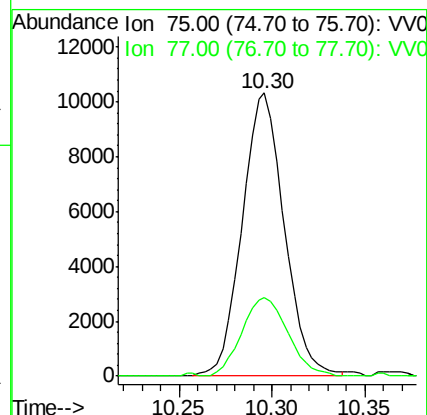
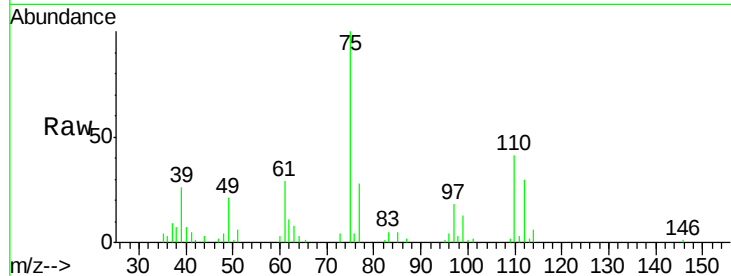
VSTD00565

Tgt Ion: 75 Resp: 16262

Ion Ratio Lower Upper

75 100

77 30.4 25.9 38.9



#61

Bromoform

Concen: 5.848 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

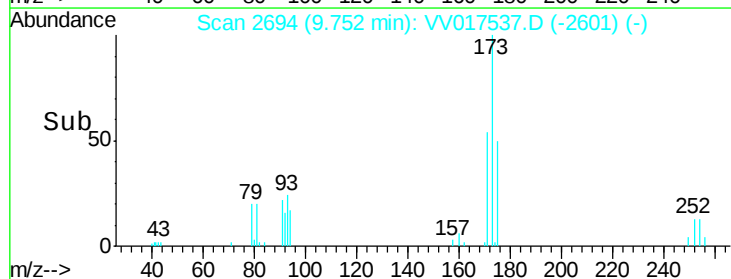
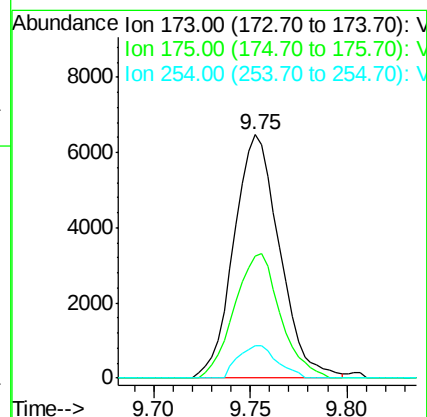
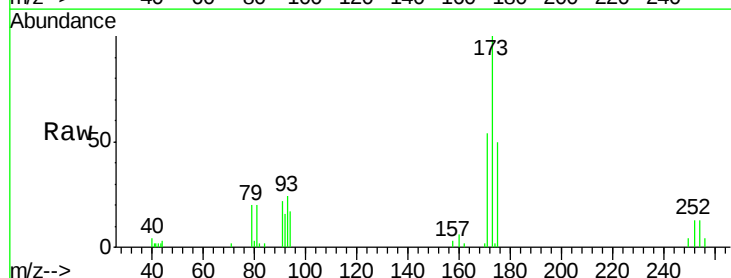
Tgt Ion: 173 Resp: 10671

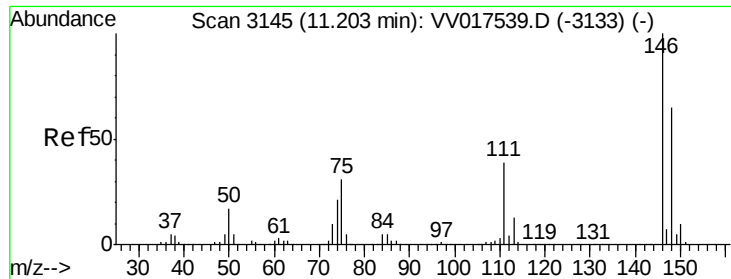
Ion Ratio Lower Upper

173 100

175 51.3 39.4 59.0

254 11.2 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 6.141 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

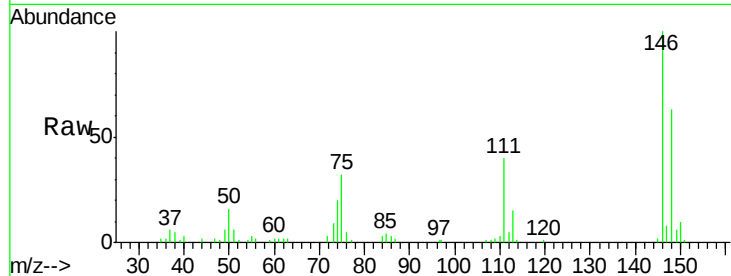
Tgt Ion:146 Resp: 28630

Ion Ratio Lower Upper

146 100

111 39.8 27.6 51.2

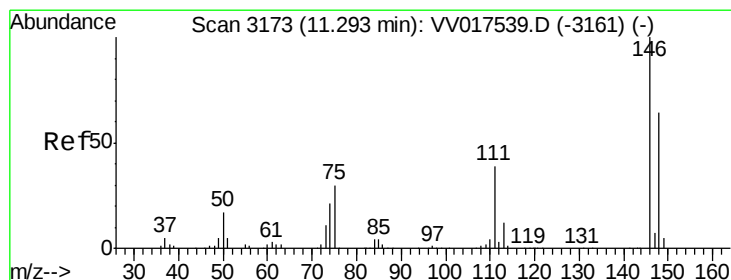
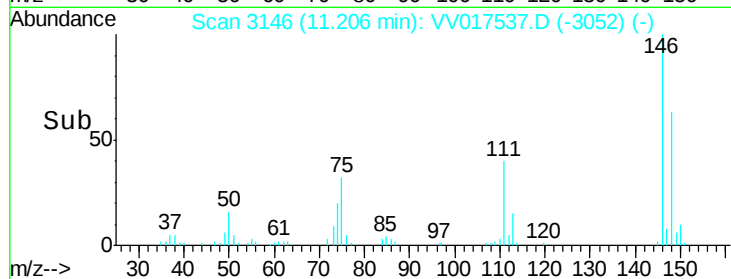
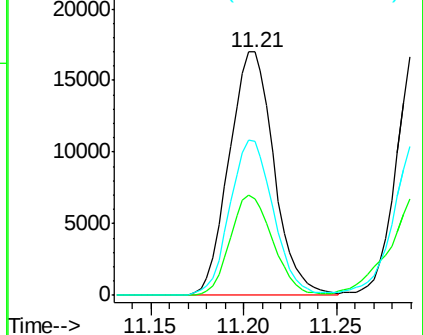
148 63.3 45.8 85.0



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



#63

1,4-Dichlorobenzene

Concen: 6.250 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

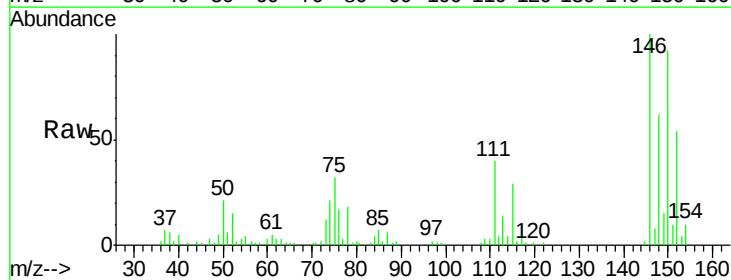
Tgt Ion:146 Resp: 29719

Ion Ratio Lower Upper

146 100

111 40.1 27.2 50.4

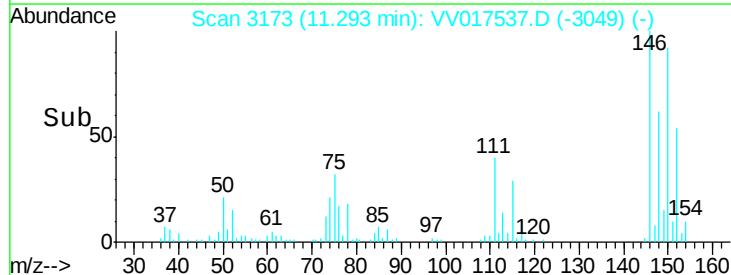
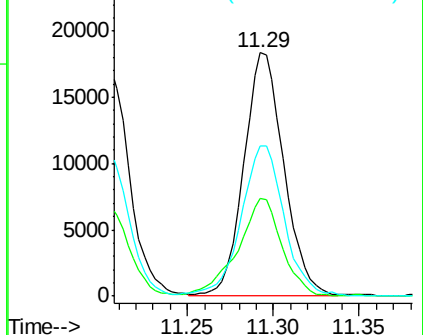
148 61.7 44.7 82.9

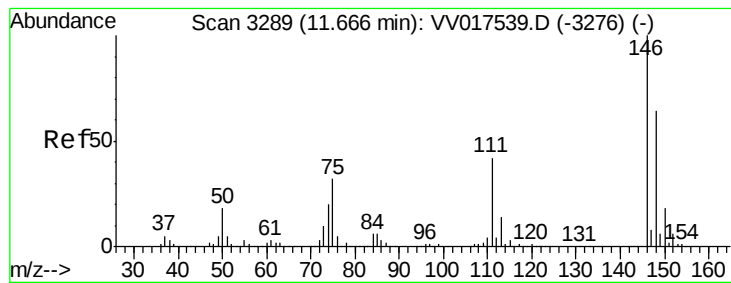


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 6.202 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

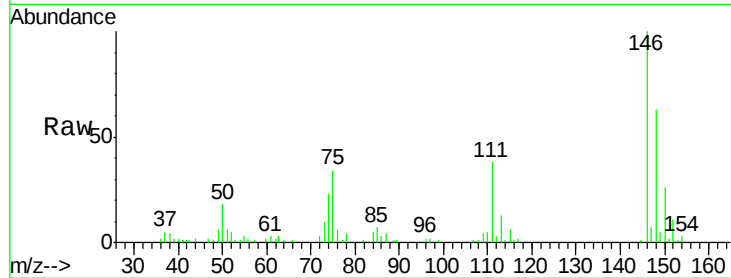
Tgt Ion: 146 Resp: 28980

Ion Ratio Lower Upper

146 100

111 37.8 33.8 50.8

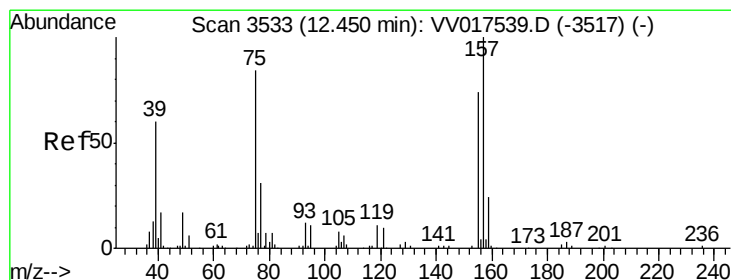
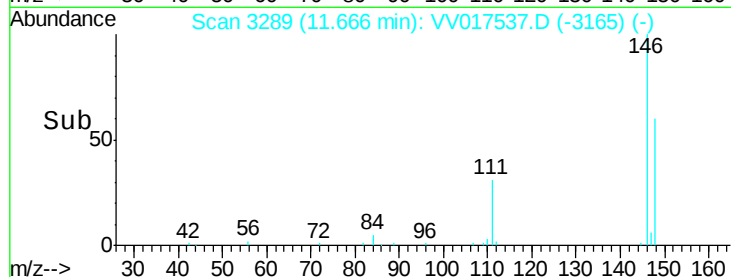
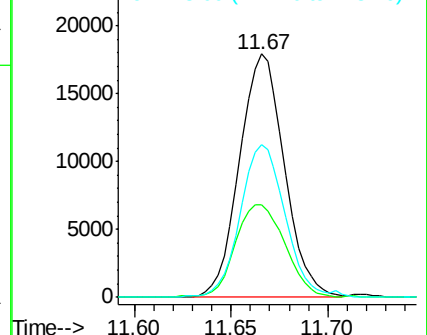
148 62.9 50.9 76.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 6.252 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

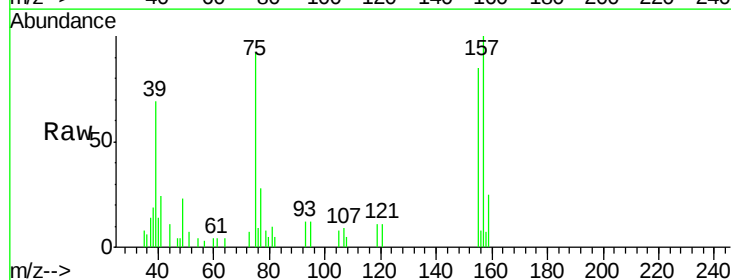
Tgt Ion: 75 Resp: 4855

Ion Ratio Lower Upper

75 100

155 92.0 70.6 105.8

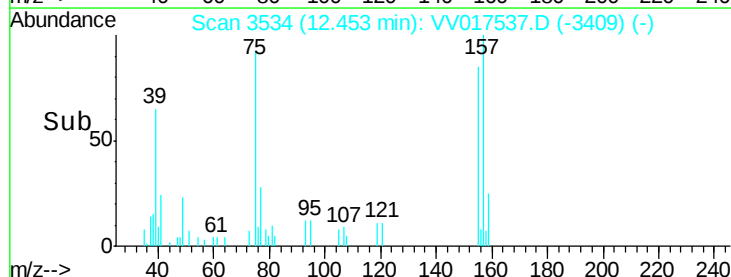
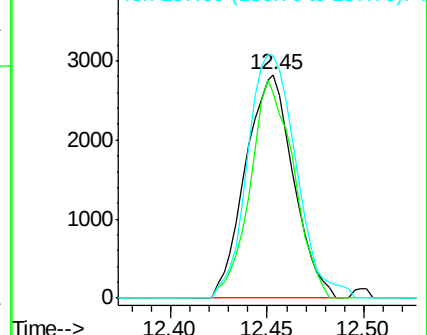
157 108.7 95.2 142.8

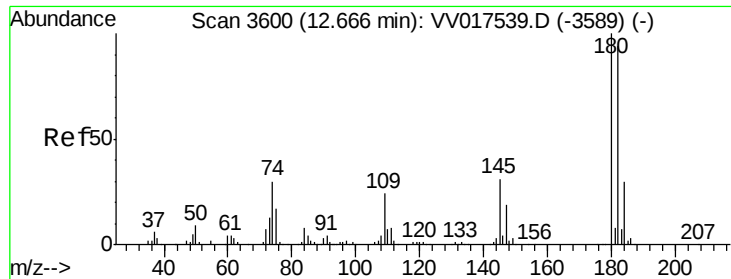


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

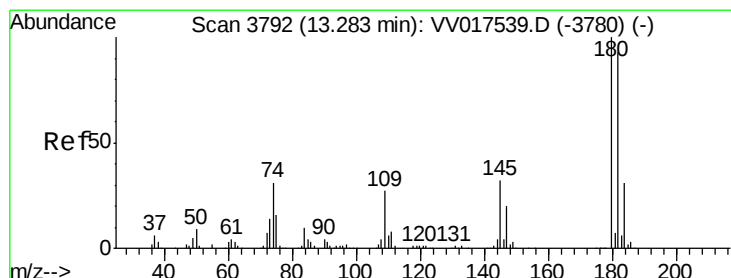
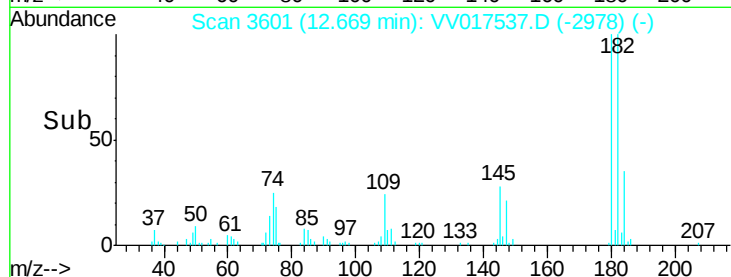
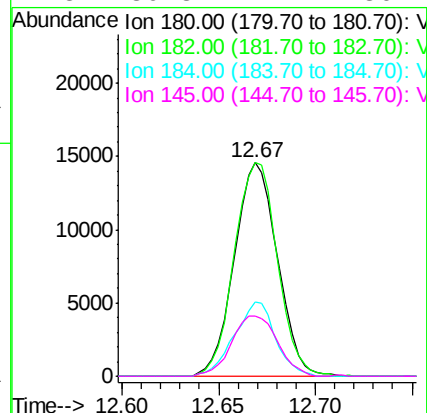
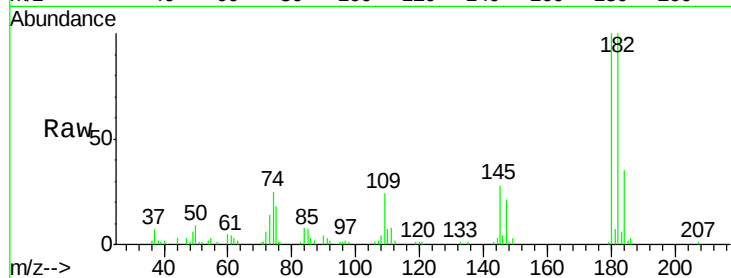




#67
 1,3,5-Trichlorobenzene
 Concen: 6.354 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017537.D
 Acq: 20 Jul 2020 11:47

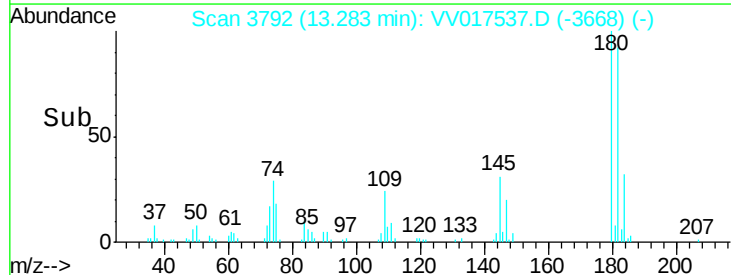
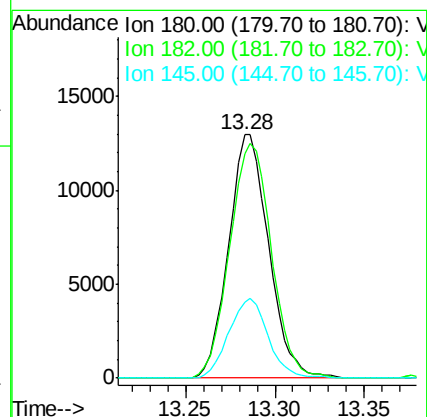
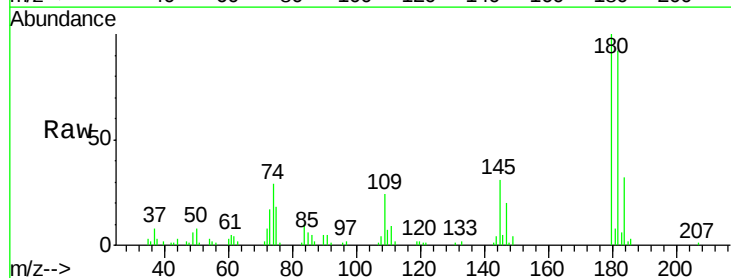
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

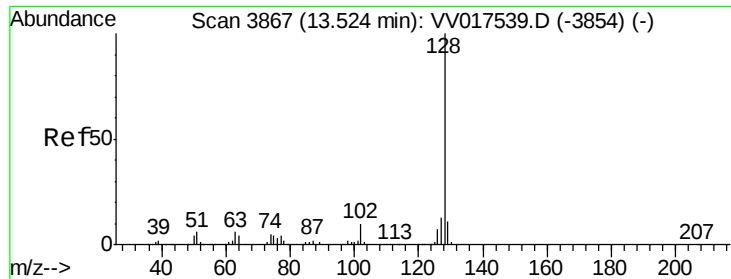
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.8	76.0	114.0
184	33.3	24.4	36.6
145	30.3	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 6.479 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017537.D
 Acq: 20 Jul 2020 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.4	76.0	114.0
145	31.7	24.9	37.3





#69

Naphthalene

Concen: 6.116 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

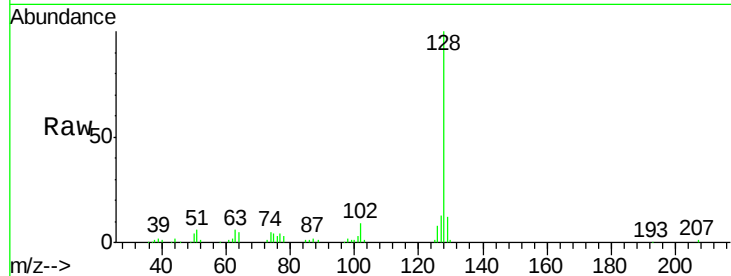
Tgt Ion:128 Resp: 53235

Ion Ratio Lower Upper

128 100

127 12.3 10.7 16.1

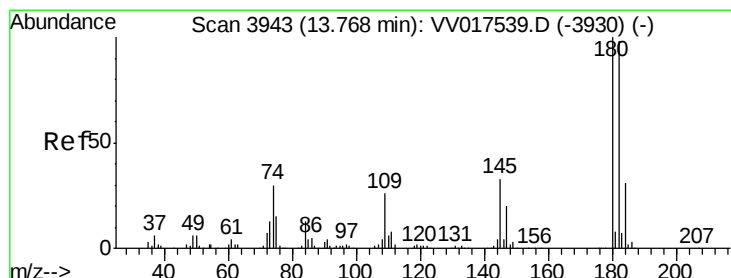
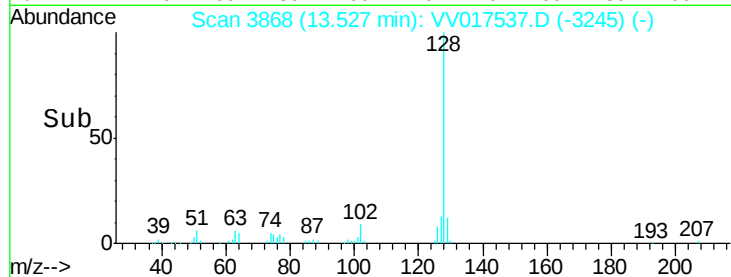
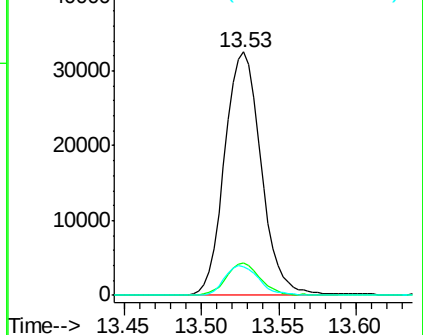
129 11.4 9.0 13.6



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: 6.399 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017537.D

Acq: 20 Jul 2020 11:47

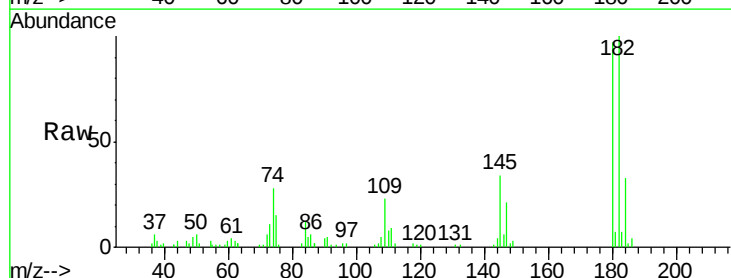
Tgt Ion:180 Resp: 20232

Ion Ratio Lower Upper

180 100

182 102.3 77.0 115.6

145 33.6 26.5 39.7



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

