

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
 Data File : VV017848.D
 Acq On : 08 Aug 2020 11:51
 Operator : SY/MD
 Sample : VSTD01063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

Quant Time: Aug 10 01:59:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 01:57:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	257806	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	244794	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	135678	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11465	9.00	ug/L	0.00
7) Chloroethane-d5	1.58	69	10848	10.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	30269	9.95	ug/L	0.00
21) 2-Butanone-d5	3.93	46	10313	11.27	ug/L	0.02
24) Chloroform-d	4.38	84	32668	9.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	23995	9.57	ug/L	0.00
32) Benzene-d6	5.08	84	53388	9.32	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	12927	8.35	ug/L	0.00
41) Toluene-d8	7.34	98	52750	9.35	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	7287	7.03	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	8259	12.66	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	20374	8.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	26461	9.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20152	8.117 ug/L	98
3) Chloromethane	1.25	50	13428	8.172 ug/L	99
5) Vinyl chloride	1.32	62	15253	8.650 ug/L	100
6) Bromomethane	1.53	94	9964	9.271 ug/L	96
8) Chloroethane	1.60	64	9047	8.371 ug/L	94
9) Trichlorofluoromethane	1.76	101	36995	10.288 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	15656	9.426 ug/L	99
12) 1,1-Dichloroethene	2.13	96	15526	10.106 ug/L	87
13) Acetone	2.20	43	22310	19.375 ug/L	99
14) Carbon disulfide	2.31	76	30339	6.669 ug/L	100
15) Methyl Acetate	2.45	43	10779	7.224 ug/L	96
16) Methylene chloride	2.52	84	16614	9.292 ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	16073	9.419 ug/L	91
18) Methyl tert-butyl Ether	2.78	73	51912	9.199 ug/L	99
19) 1,1-Dichloroethane	3.21	63	25051	8.460 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	15661	8.534 ug/L	97
22) 2-Butanone	4.01	43	8270	7.836 ug/L	# 40
23) Bromochloromethane	4.28	128	9736	9.295 ug/L	99
25) Chloroform	4.40	83	33689	9.651 ug/L	93
27) 1,2-Dichloroethane	5.15	62	29797	9.686 ug/L	98
29) Cyclohexane	4.70	56	19165	8.106 ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	34089	9.703 ug/L	97
31) Carbon tetrachloride	4.86	117	30270	9.510 ug/L	97
33) Benzene	5.13	78	58452	9.057 ug/L	100
34) Trichloroethene	5.94	95	17452	9.372 ug/L	96
35) Methylcyclohexane	6.15	83	24453	9.013 ug/L	96
37) 1,2-Dichloropropane	6.20	63	12613	8.613 ug/L	96
38) Bromodichloromethane	6.53	83	21298	8.106 ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	18268	6.804 ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	32284	16.221 ug/L	97

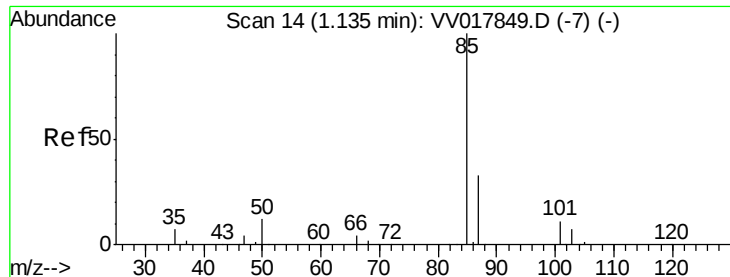
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	66854	9.276	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	19287	6.993	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	16495	9.715	ug/L	96
46) Tetrachloroethene	8.00	164	15808	9.440	ug/L	97
48) 2-Hexanone	8.16	43	26745	16.699	ug/L	99
49) Dibromochloromethane	8.27	129	15901	7.338	ug/L	85
50) 1,2-Dibromoethane	8.38	107	17324	9.319	ug/L	99
51) Chlorobenzene	8.90	112	45550	9.129	ug/L	100
52) Ethylbenzene	9.03	91	73475	8.841	ug/L	98
53) m,p-Xylene	9.16	106	29278	9.193	ug/L	100
54) o-xylene	9.57	106	28510	9.254	ug/L	96
55) Styrene	9.58	104	47112	8.807	ug/L	94
56) Isopropylbenzene	9.95	105	77206	9.127	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	20382	8.334	ug/L	92
59) 1,2,3-Trichloropropane	10.30	75	18284	8.461	ug/L	96
61) Bromoform	9.76	173	9964	6.353	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	39834	9.246	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	41857	9.593	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	42311	9.847	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	4257	6.462	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	32600	9.656	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	26607	9.058	ug/L	99
69) Naphthalene	13.53	128	65769	8.550	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	28886	9.868	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 8.117 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

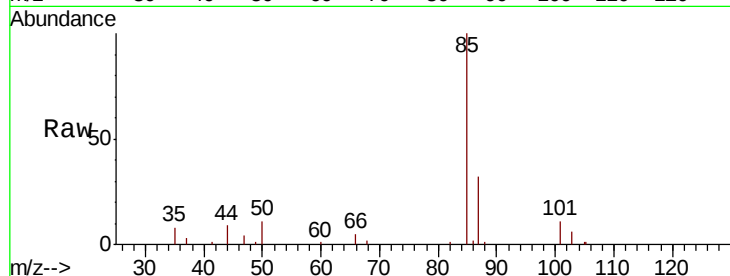
VSTD01063

Tot Ion: 85 Resp: 20152

Ion Ratio Lower Upper

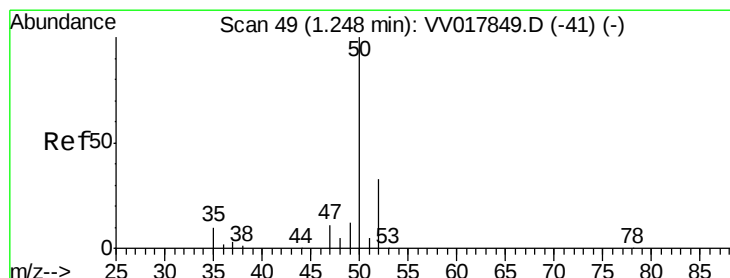
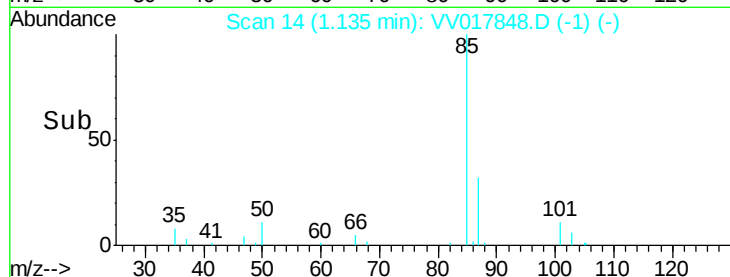
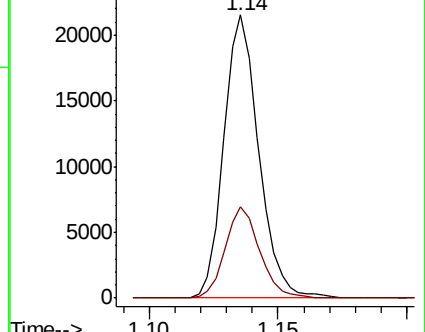
85 100

87 31.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017848.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017848.D (-7) (-)



#3

Chloromethane

Concen: 8.172 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017848.D

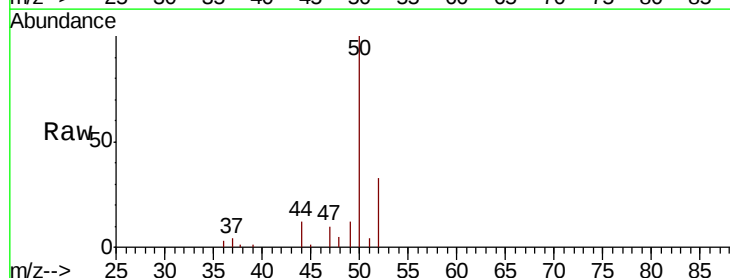
Acq: 08 Aug 2020 11:51

Tgt Ion: 50 Resp: 13428

Ion Ratio Lower Upper

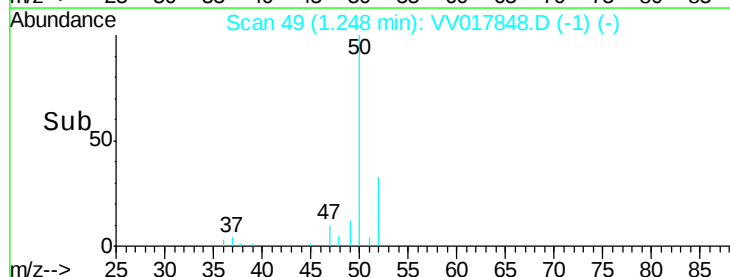
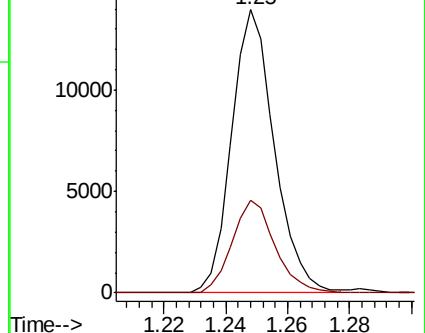
50 100

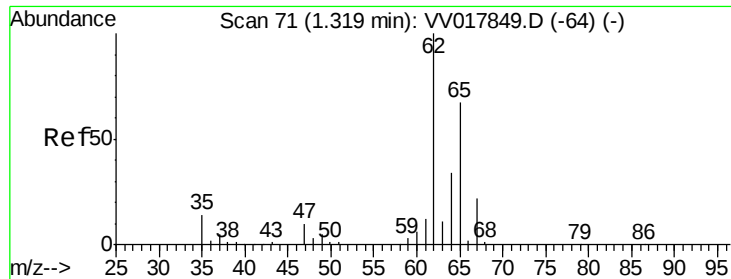
52 32.8 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV017848.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV017848.D (-41) (-)





#5

Vinyl chloride

Concen: 8.650 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

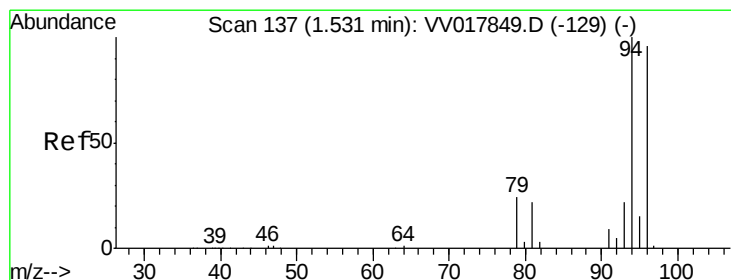
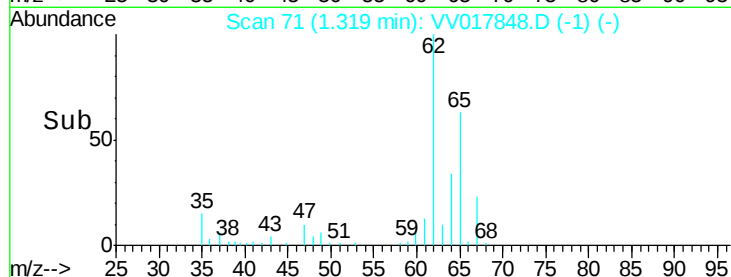
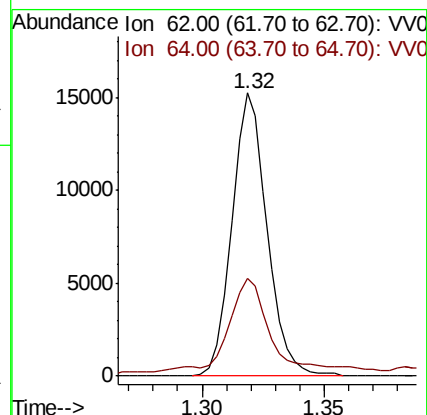
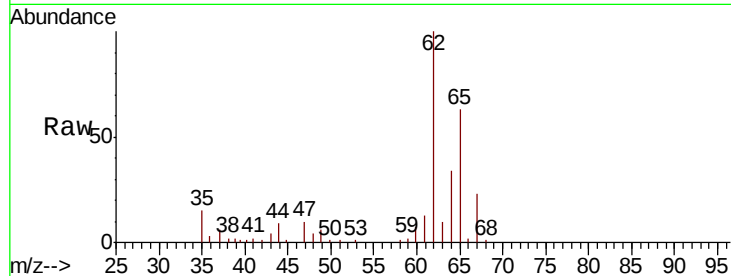
VSTD01063

Tot Ion: 62 Resp: 15253

Ion Ratio Lower Upper

62 100

64 34.4 24.0 44.6



#6

Bromomethane

Concen: 9.271 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017848.D

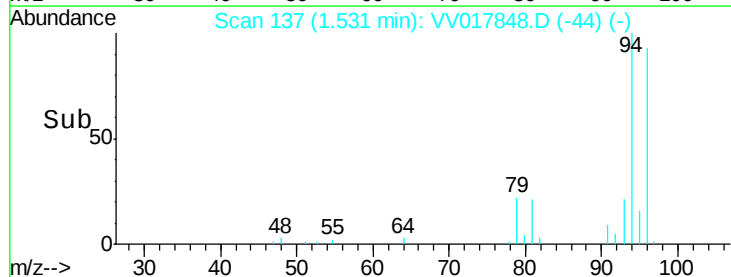
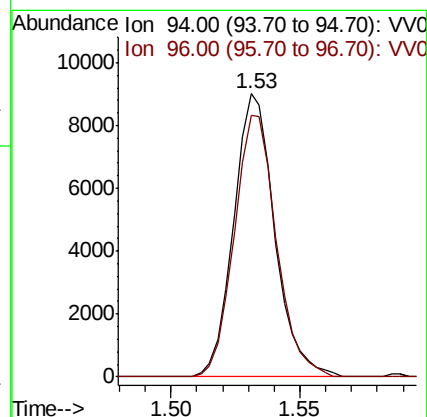
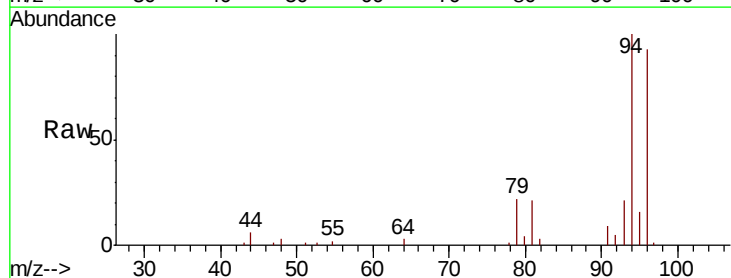
Acq: 08 Aug 2020 11:51

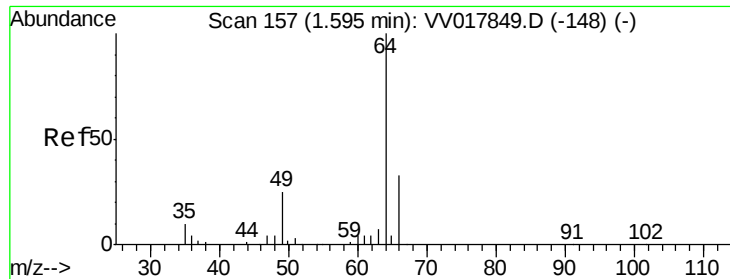
Tgt Ion: 94 Resp: 9964

Ion Ratio Lower Upper

94 100

96 92.6 67.5 125.3





#8

Chloroethane

Concen: 8.371 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

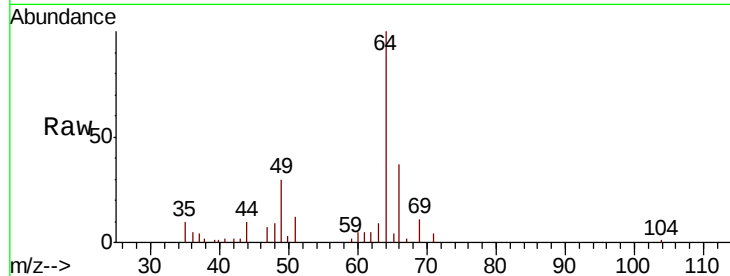
VSTD01063

Tot Ion: 64 Resp: 9047

Ion Ratio Lower Upper

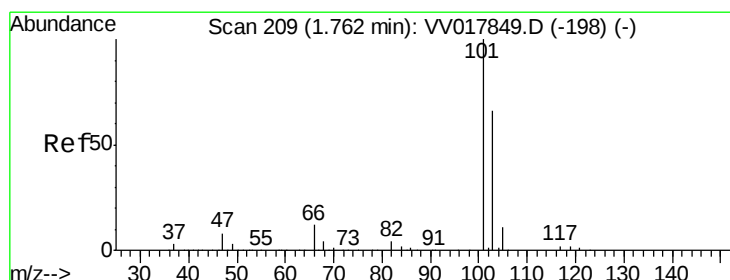
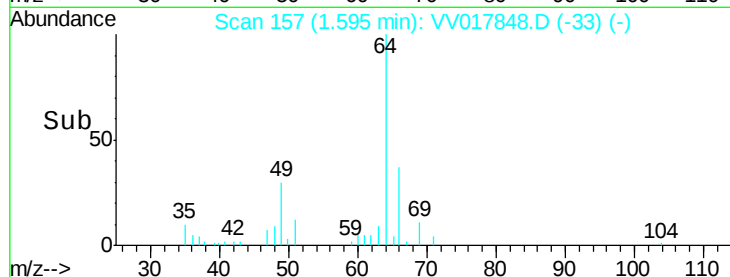
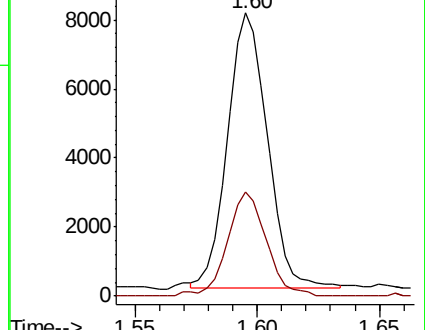
64 100

66 36.7 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VV017849.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV017849.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 10.288 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017848.D

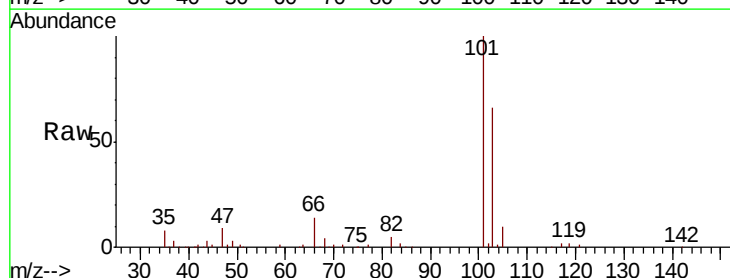
Acq: 08 Aug 2020 11:51

Tgt Ion: 101 Resp: 36995

Ion Ratio Lower Upper

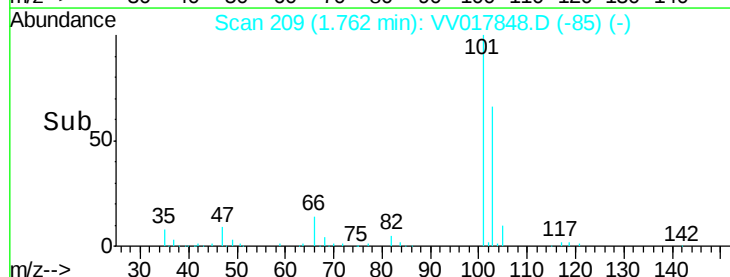
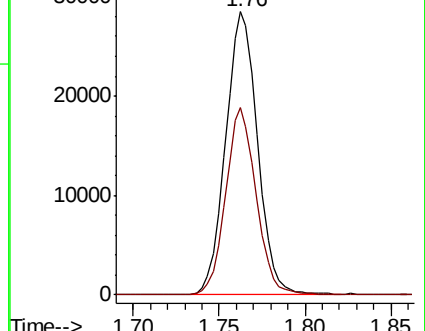
101 100

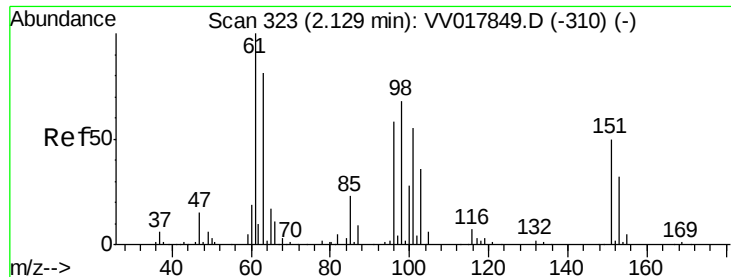
103 63.2 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VV017849.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017849.D (-198) (-)





#10

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

Concen: 9.426 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

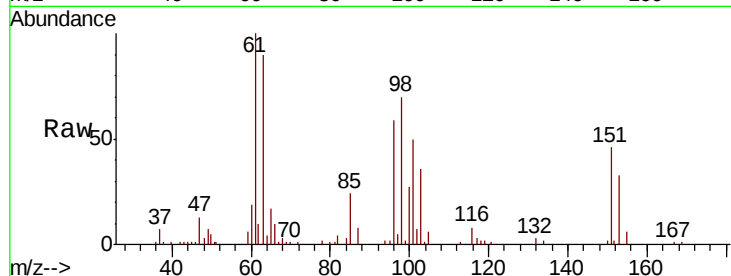
Tot Ion:101 Resp: 15656

Ion Ratio Lower Upper

101 100

85 45.6 35.0 52.6

151 88.4 71.0 106.6

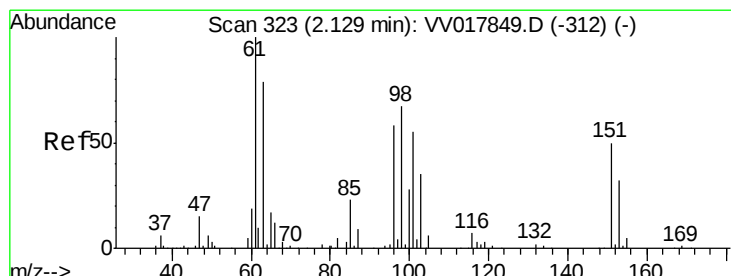
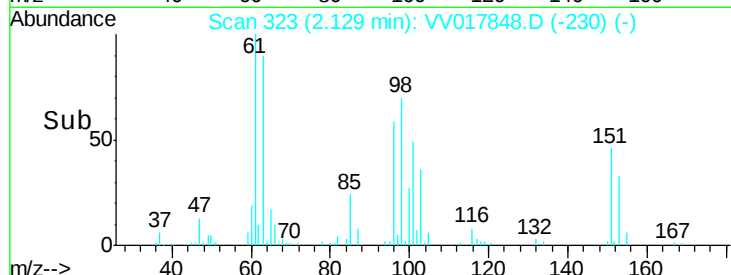
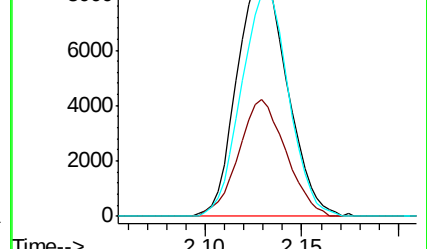


Abundance Ion 101.00 (100.70 to 101.70): VV017849.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017849.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017849.D (-310) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 10.106 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

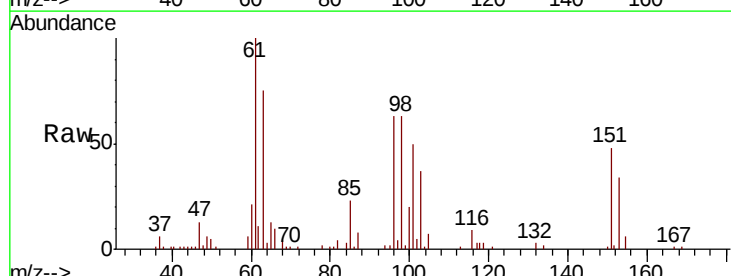
Tgt Ion: 96 Resp: 15526

Ion Ratio Lower Upper

96 100

61 159.4 121.1 224.9

63 119.7 98.1 182.1

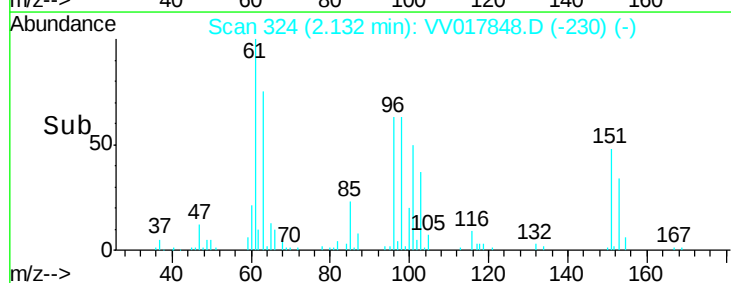
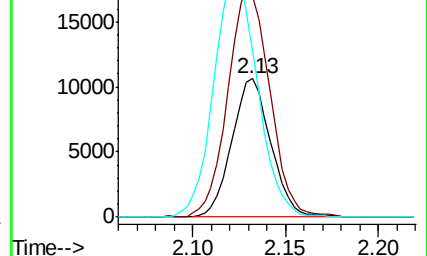


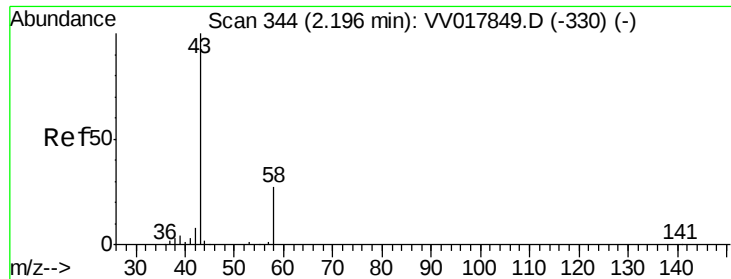
Abundance Ion 96.00 (95.70 to 96.70): VV017848.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017848.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017848.D (-230) (-)

Time-->





#13

Acetone

Concen: 19.375 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

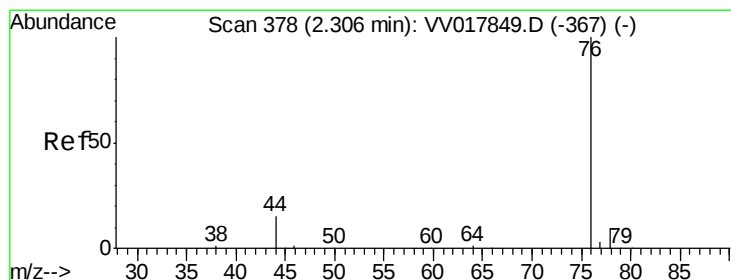
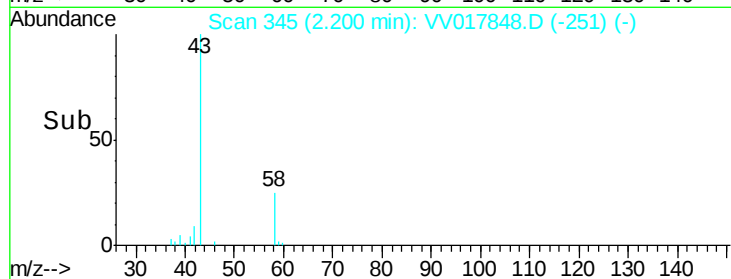
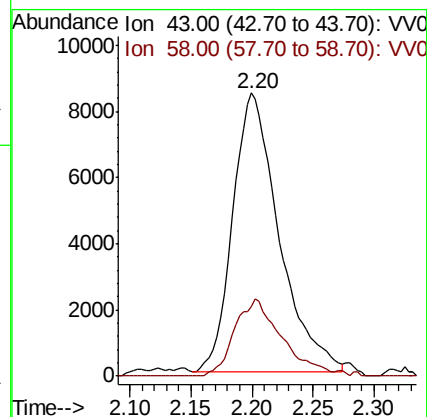
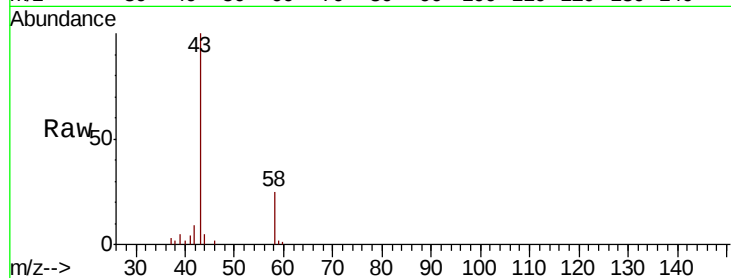
VSTD01063

Tot Ion: 43 Resp: 22310

Ion Ratio Lower Upper

43 100

58 28.0 0.0 54.8



#14

Carbon disulfide

Concen: 6.669 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017848.D

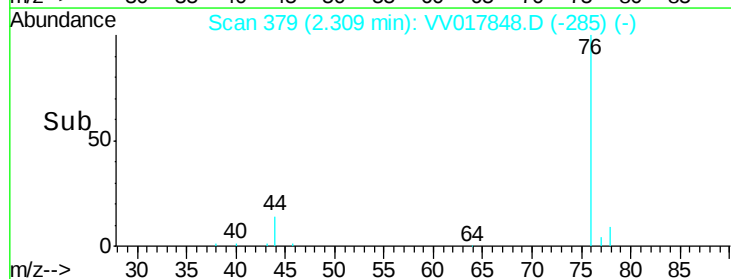
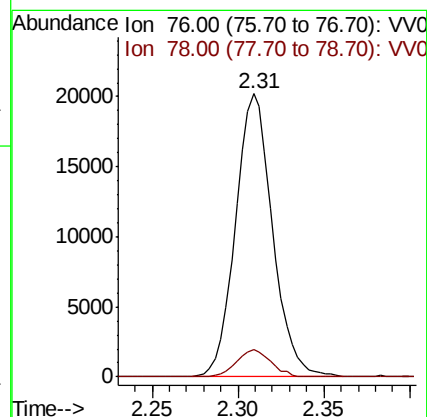
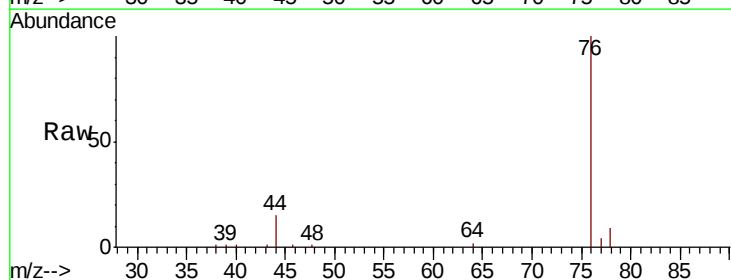
Acq: 08 Aug 2020 11:51

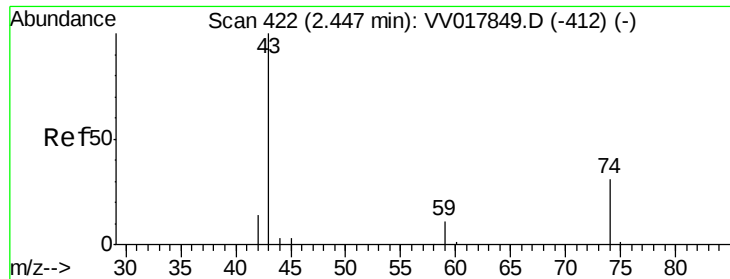
Tgt Ion: 76 Resp: 30339

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

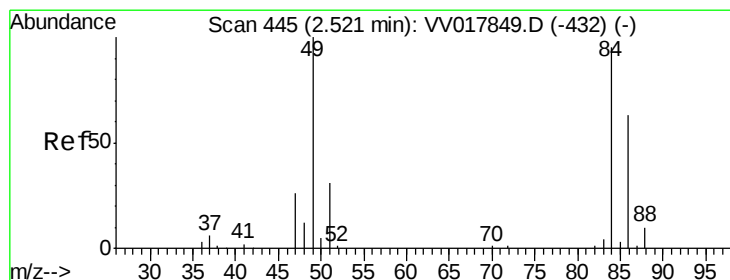
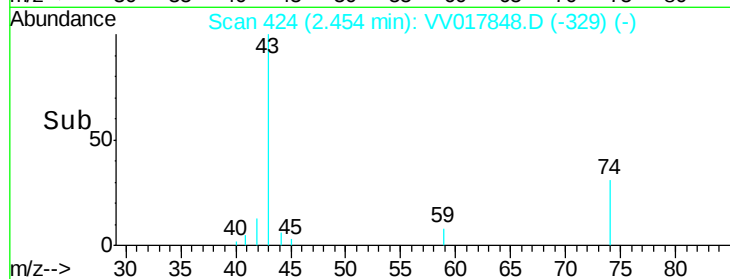
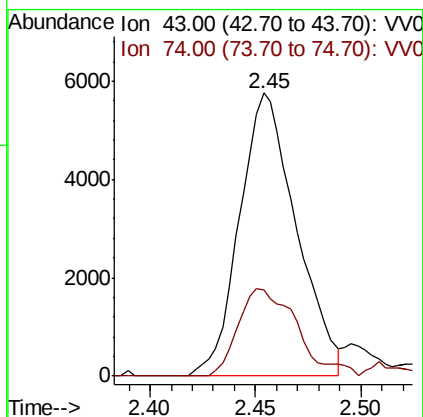
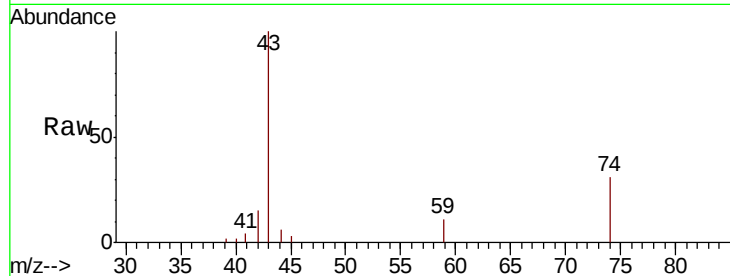




#15
Methvl Acetate
Concen: 7.224 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV017848.D
Acq: 08 Aug 2020 11:51

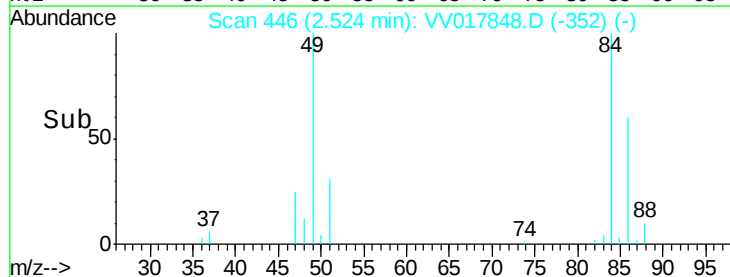
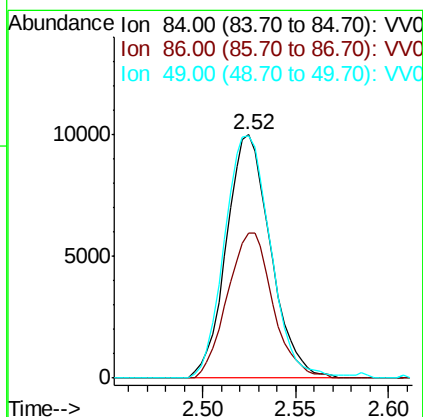
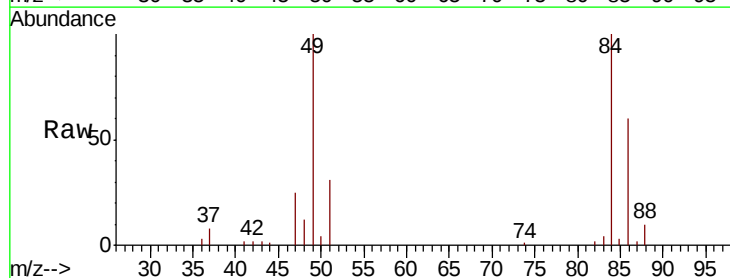
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

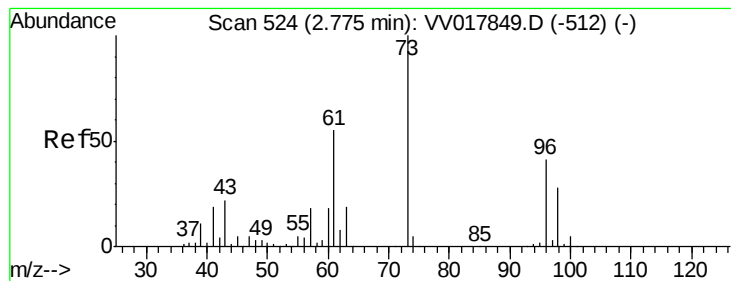
Tot Ion: 43 Resp: 10779
Ion Ratio Lower Upper
43 100
74 30.7 23.0 34.6



#16
Methylene chloride
Concen: 9.292 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017848.D
Acq: 08 Aug 2020 11:51

Tgt Ion: 84 Resp: 16614
Ion Ratio Lower Upper
84 100
86 59.5 46.2 85.8
49 99.5 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 9.419 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

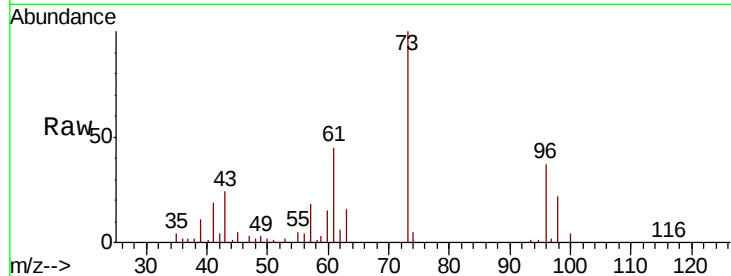
Tot Ion: 96 Resp: 16073

Ion Ratio Lower Upper

96 100

61 122.1 92.4 171.6

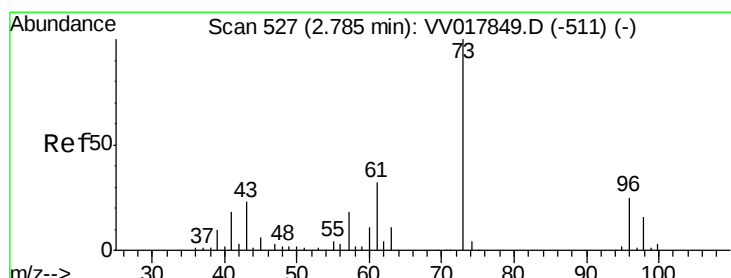
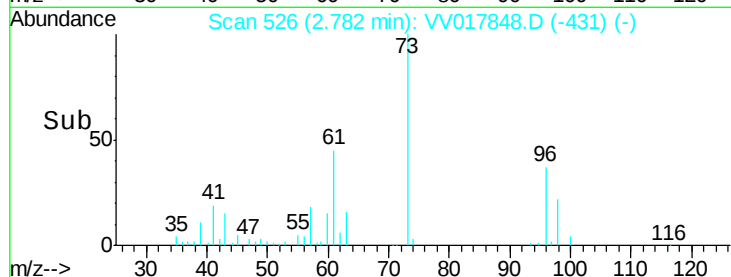
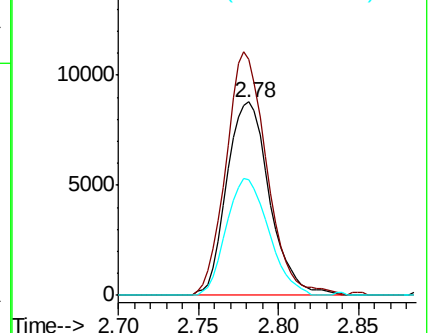
98 60.1 47.5 88.1



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: 9.199 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

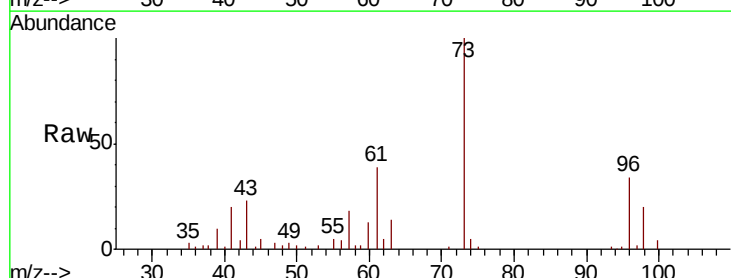
Tgt Ion: 73 Resp: 51912

Ion Ratio Lower Upper

73 100

43 23.6 18.1 27.1

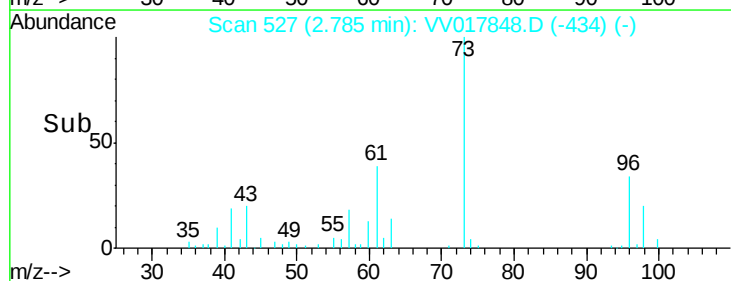
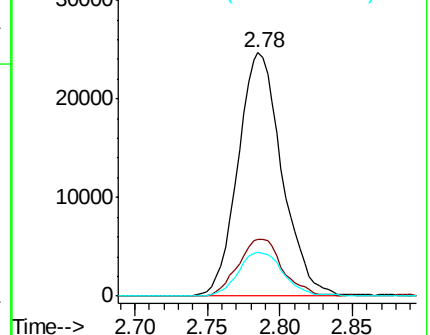
57 18.4 14.5 21.7

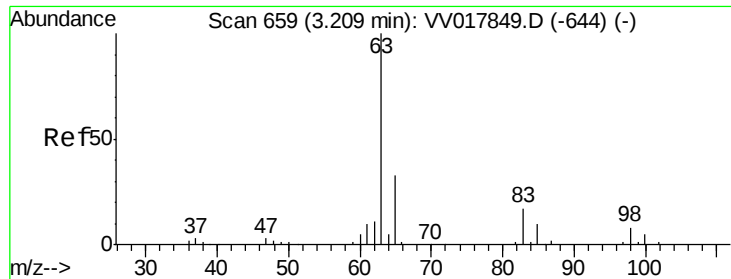


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

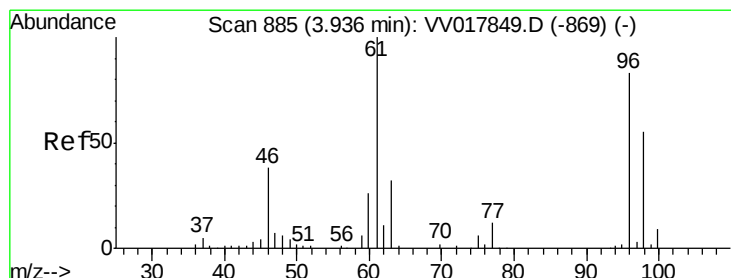
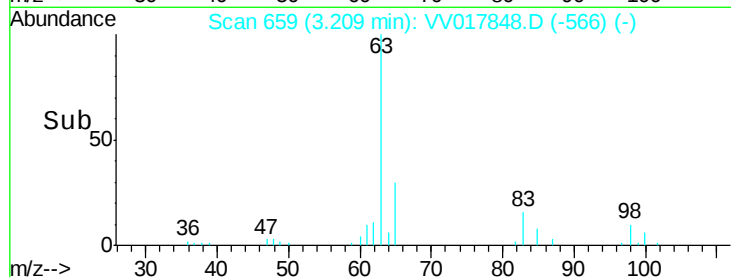
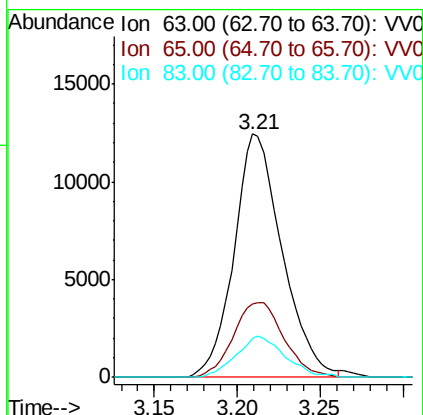
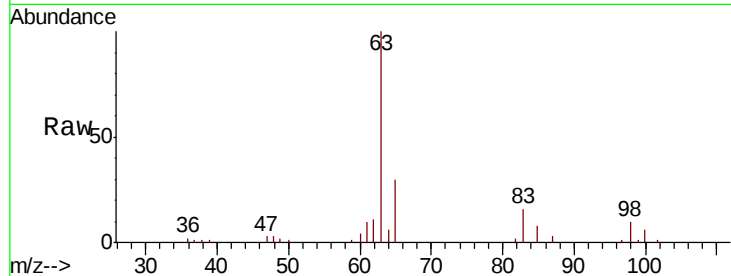




#19
 1,1-Dichloroethane
 Concen: 8.460 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

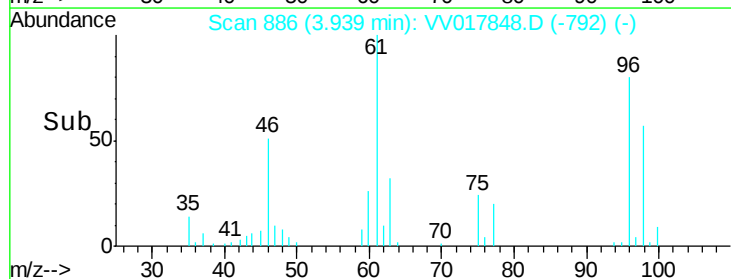
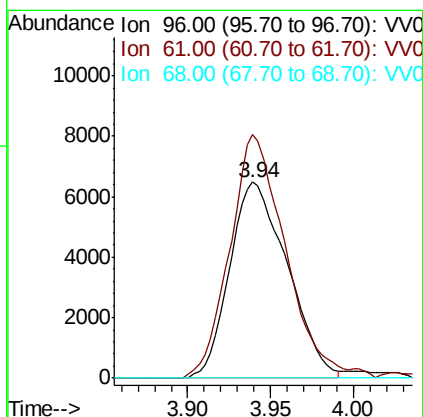
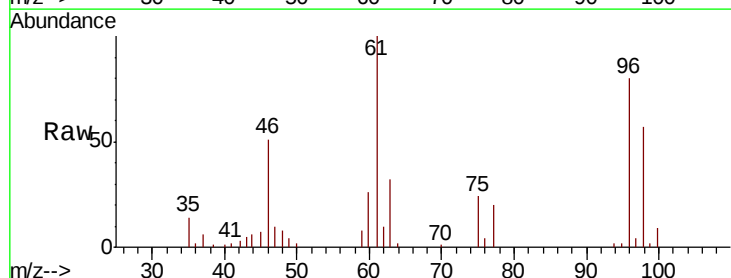
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

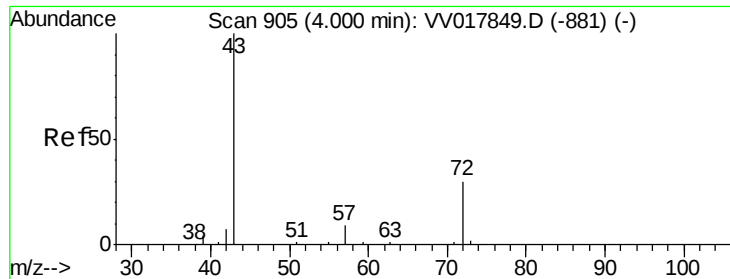
Tot Ion: 63 Resp: 25051
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.4 43.6
 83 15.9 11.5 21.5



#20
 cis-1,2-Dichloroethene
 Concen: 8.534 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

Tgt Ion: 96 Resp: 15661
 Ion Ratio Lower Upper
 96 100
 61 124.5 84.4 156.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 7.836 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.01 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

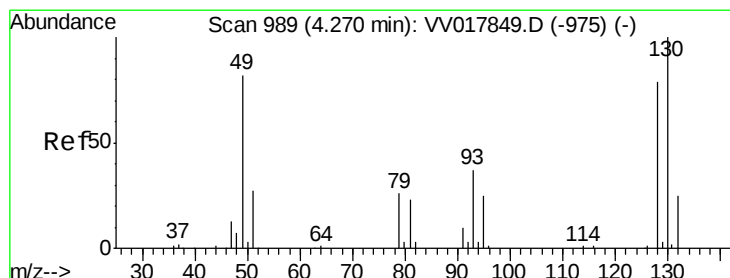
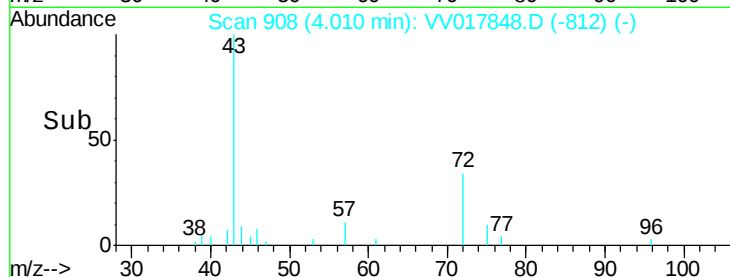
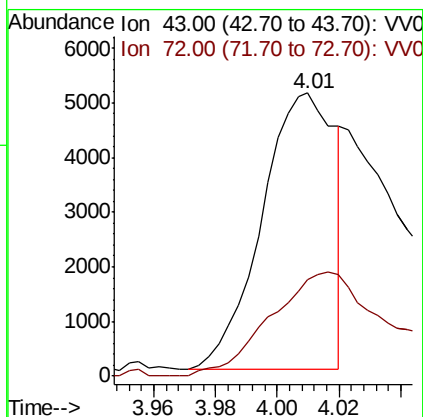
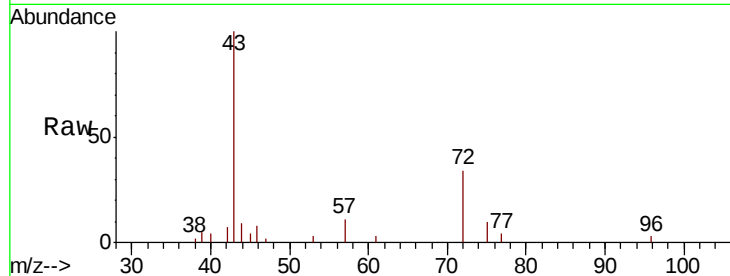
VSTD01063

Tot Ion: 43 Resp: 8270

Ion Ratio Lower Upper

43 100

72 62.1 14.9 44.7#



#23

Bromochloromethane

Concen: 9.295 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Tgt Ion: 128 Resp: 9736

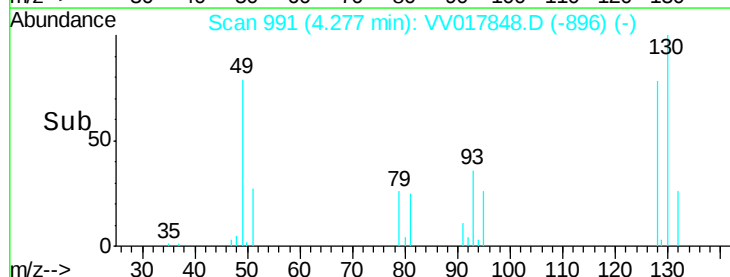
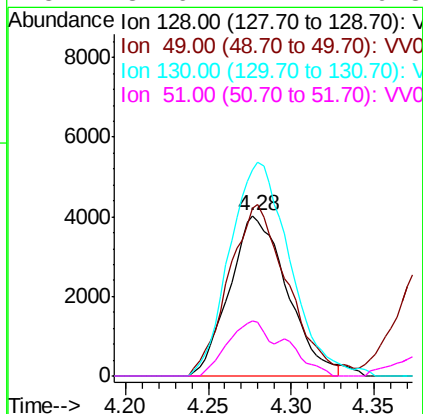
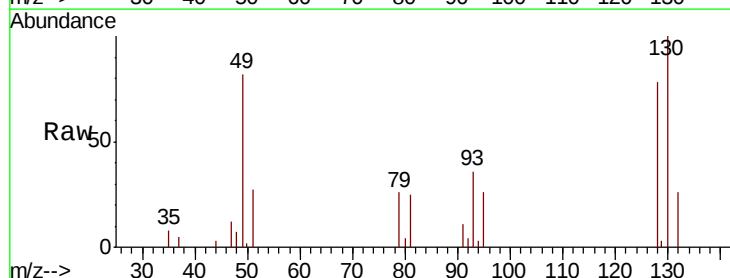
Ion Ratio Lower Upper

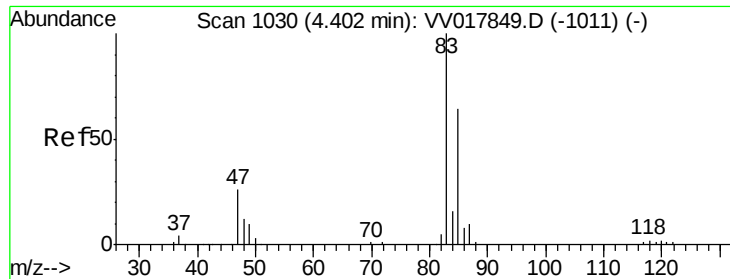
128 100

49 104.8 73.7 136.9

130 128.3 89.3 165.9

51 34.6 27.2 40.8

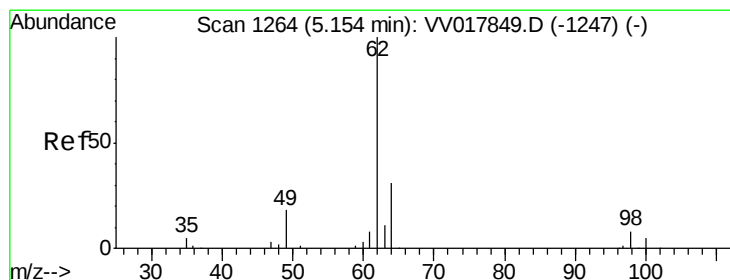
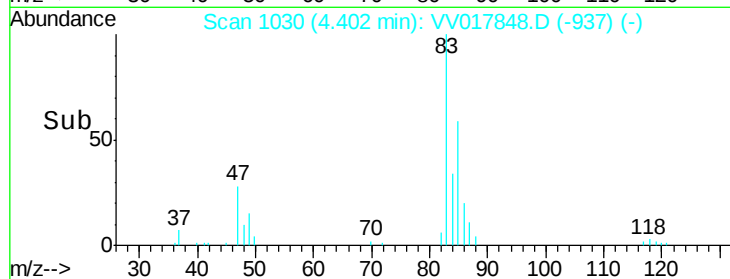
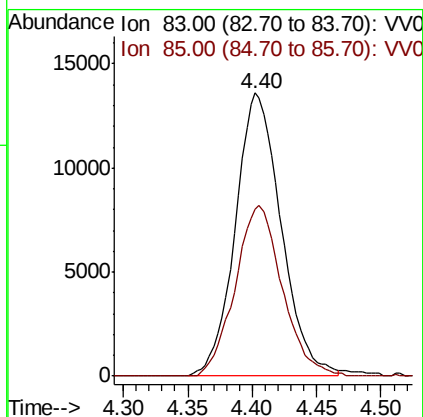
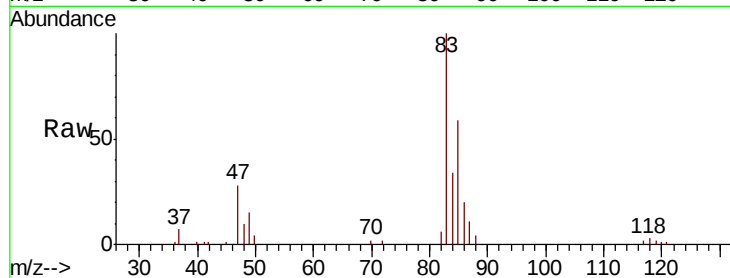




#25
Chloroform
Concen: 9.651 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017848.D
Acq: 08 Aug 2020 11:51

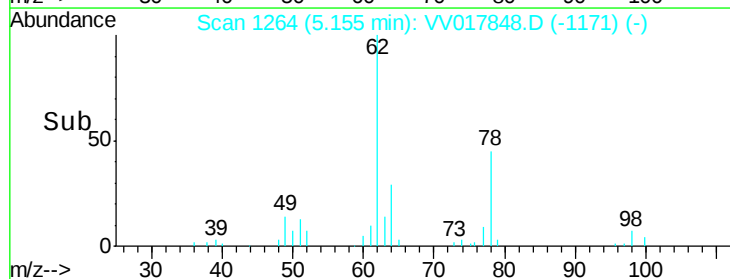
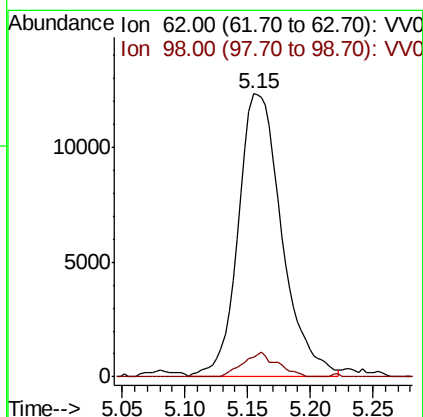
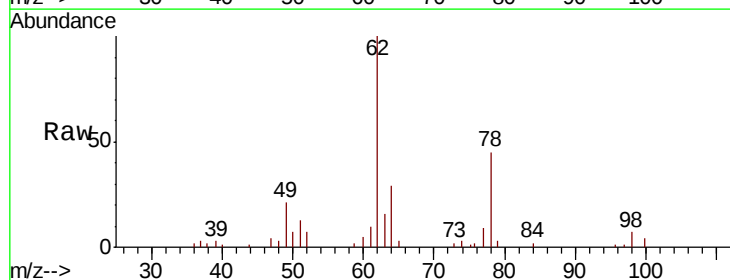
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

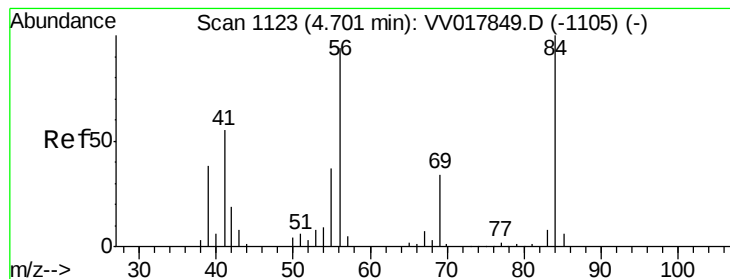
Tot Ion: 83 Resp: 33689
Ion Ratio Lower Upper
83 100
85 59.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 9.686 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017848.D
Acq: 08 Aug 2020 11:51

Tgt Ion: 62 Resp: 29797
Ion Ratio Lower Upper
62 100
98 7.0 6.2 9.4





#29

Cvclohexane

Concen: 8.106 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

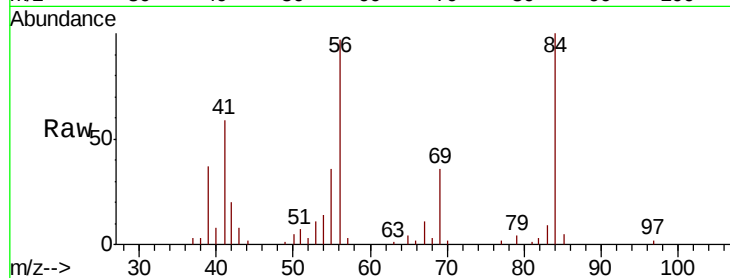
Tot Ion: 56 Resp: 19165

Ion Ratio Lower Upper

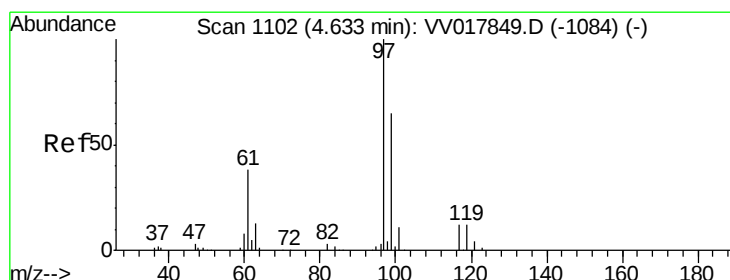
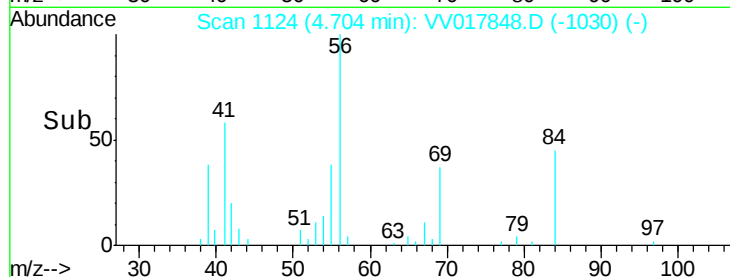
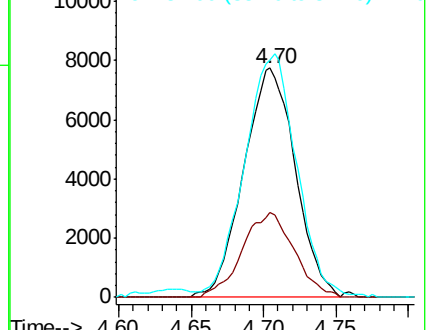
56 100

69 37.1 29.6 44.4

84 107.3 88.5 132.7



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: 9.703 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

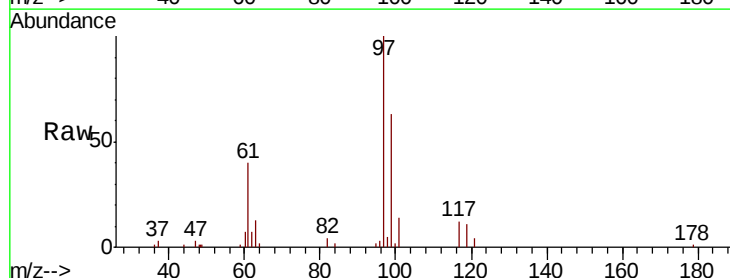
Tgt Ion: 97 Resp: 34089

Ion Ratio Lower Upper

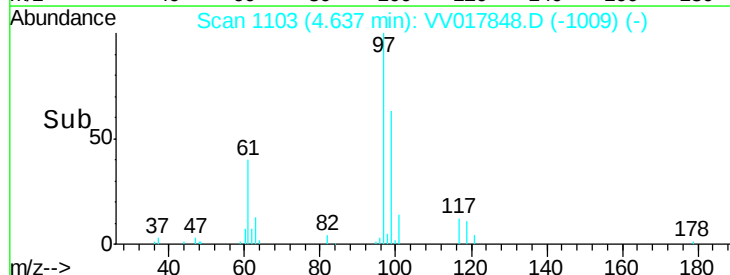
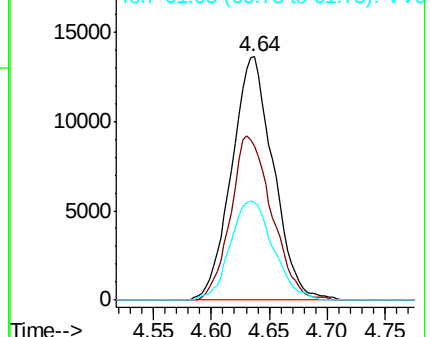
97 100

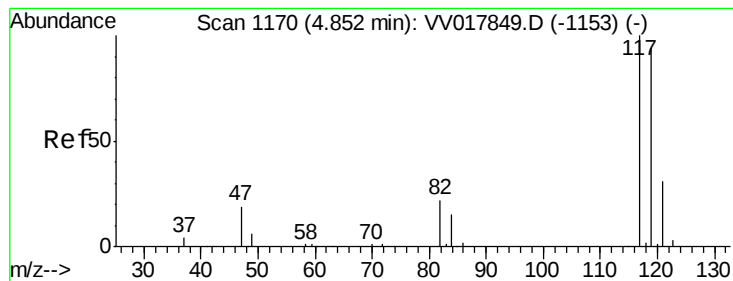
99 66.0 51.0 76.6

61 41.3 31.5 47.3



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: 9.510 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

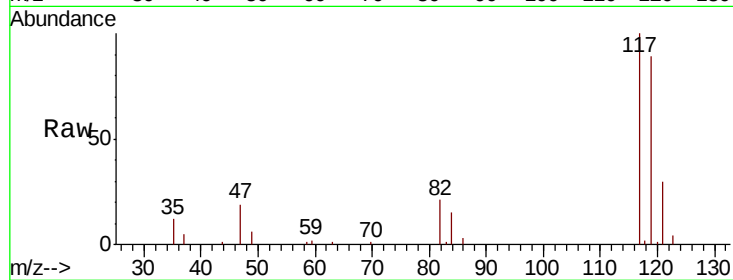
VSTD01063

Tot Ion:117 Resp: 30270

Ion Ratio Lower Upper

117 100

119 94.5 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

15000

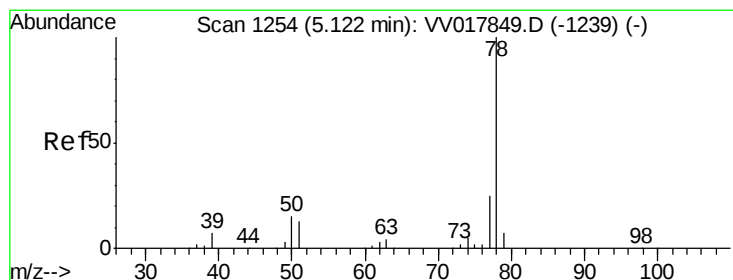
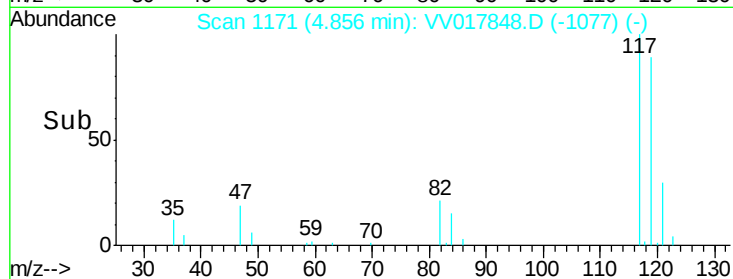
10000

5000

0

Time-->

4.80 4.85 4.90 4.95



#33

Benzene

Concen: 9.057 ug/L

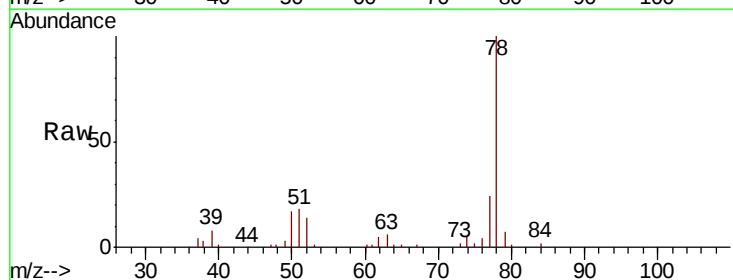
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Tgt Ion: 78 Resp: 58452



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

30000

25000

20000

15000

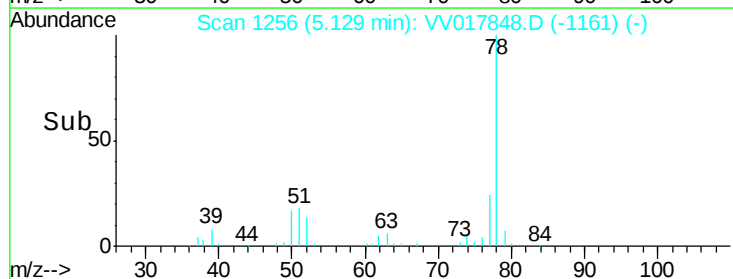
10000

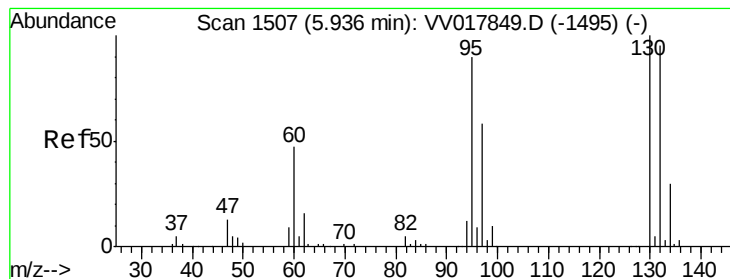
5000

0

Time-->

5.00 5.05 5.10 5.15 5.20





#34

Trichloroethene

Concen: 9.372 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

Tot Ion: 95 Resp: 17452

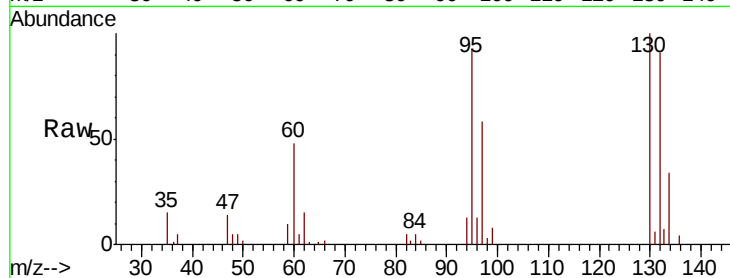
Ion Ratio Lower Upper

95 100

97 63.2 44.7 83.1

132 98.4 73.6 136.8

130 108.1 77.6 144.0

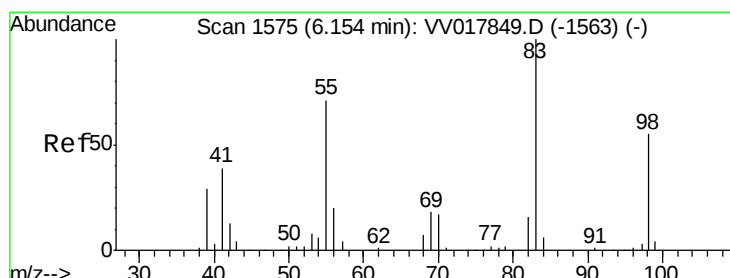
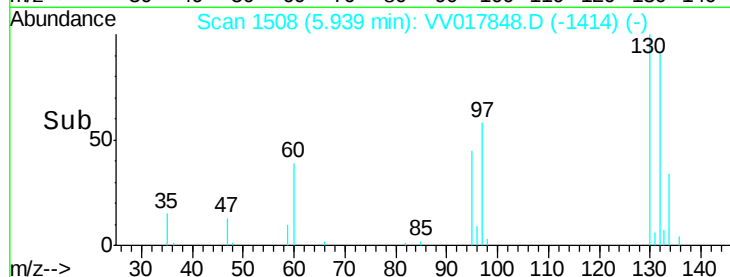
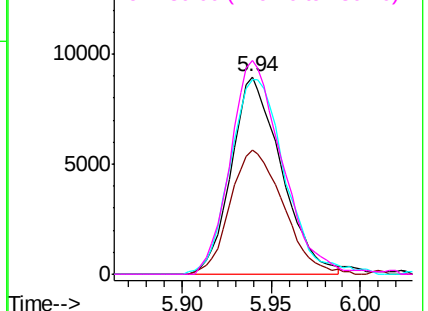


Abundance Ion 95.00 (94.70 to 95.70): VV017849.D (-1495) (-)

Ion 97.00 (96.70 to 97.70): VV017849.D (-1495) (-)

Ion 132.00 (131.70 to 132.70): VV017849.D (-1495) (-)

Ion 130.00 (129.70 to 130.70): VV017849.D (-1495) (-)



#35

Methylcyclohexane

Concen: 9.013 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

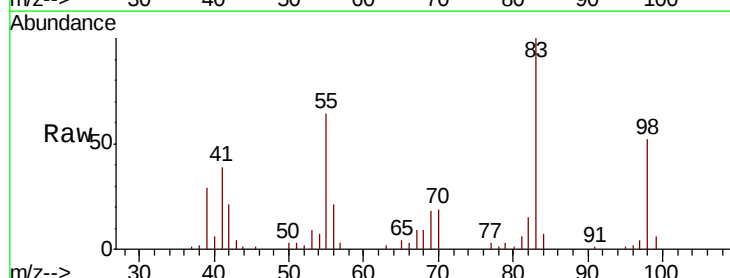
Tgt Ion: 83 Resp: 24453

Ion Ratio Lower Upper

83 100

55 63.5 54.6 82.0

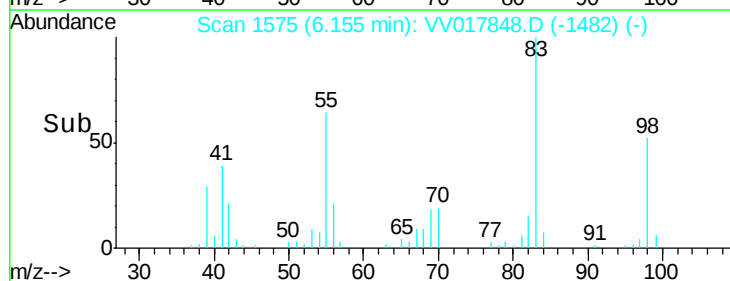
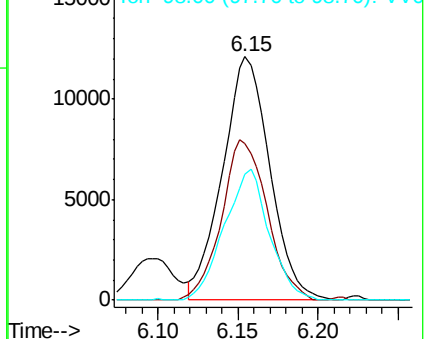
98 50.8 41.1 61.7

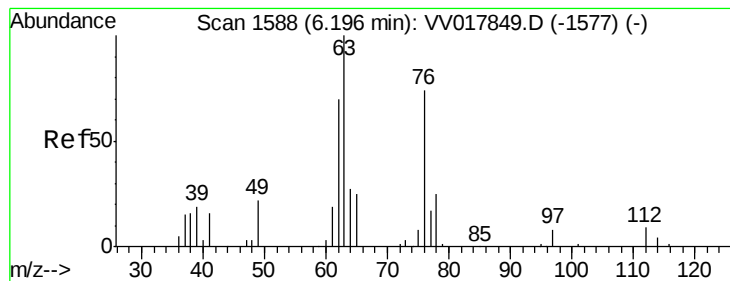


Abundance Ion 83.00 (82.70 to 83.70): VV017849.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV017849.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV017849.D (-1563) (-)





#37

1,2-Dichloropropane

Concen: 8.613 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

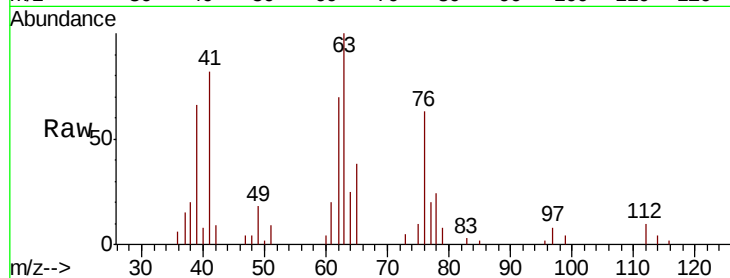
VSTD01063

Tot Ion: 63 Resp: 12613

Ion Ratio Lower Upper

63 100

112 5.8 5.8 8.6



Abundance Ion 63.00 (62.70 to 63.70): VV017849.D (-1577) (-)

Ion 112.00 (111.70 to 112.70): VV017849.D (-1577) (-)

6.20

6000

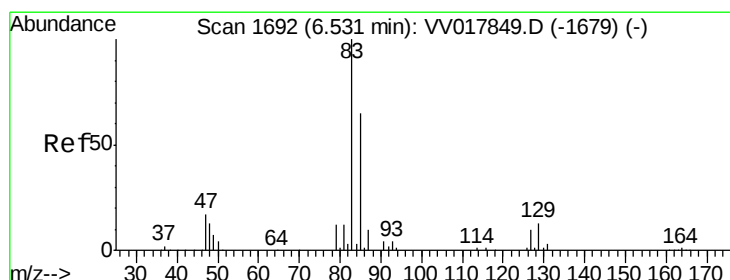
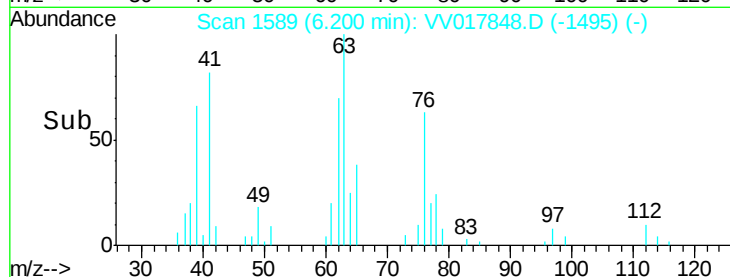
4000

2000

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 8.106 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

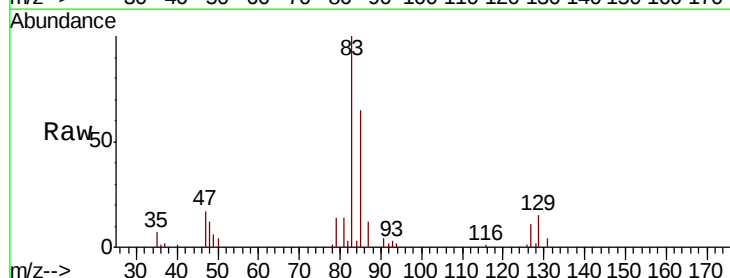
Tgt Ion: 83 Resp: 21298

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

127 11.1 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VV017849.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV017849.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV017849.D (-1679) (-)

6.53

15000

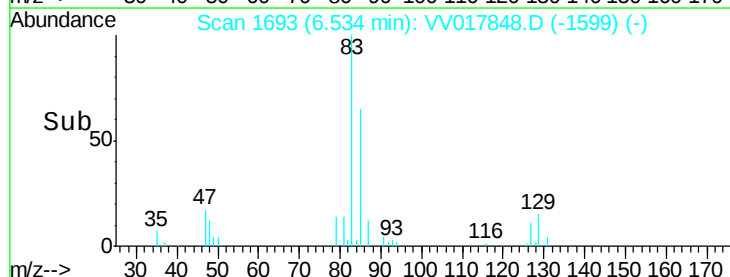
10000

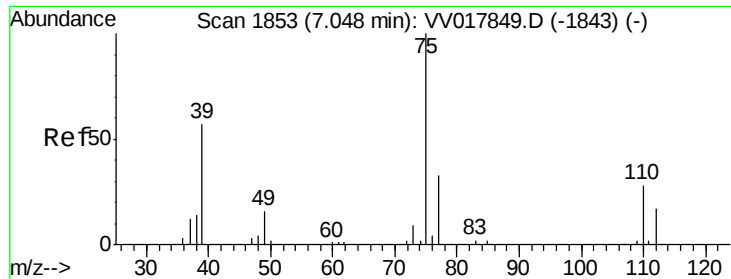
5000

0

6.50 6.55

Time-->

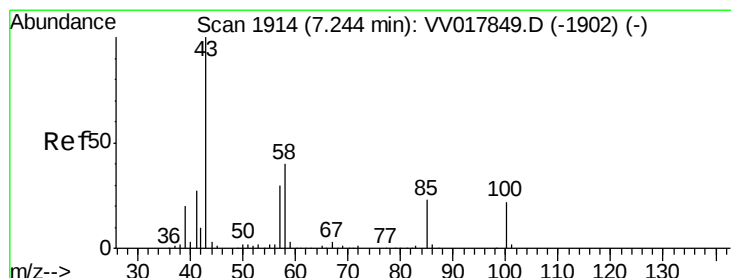
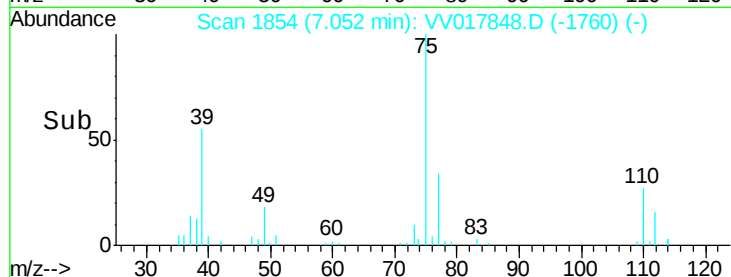
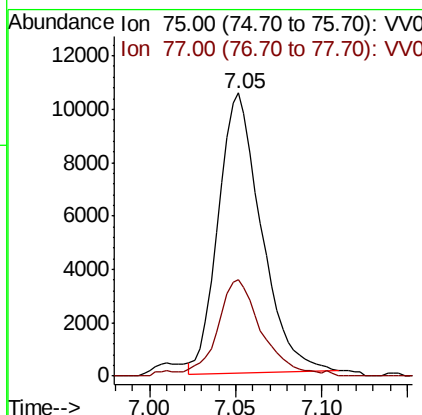
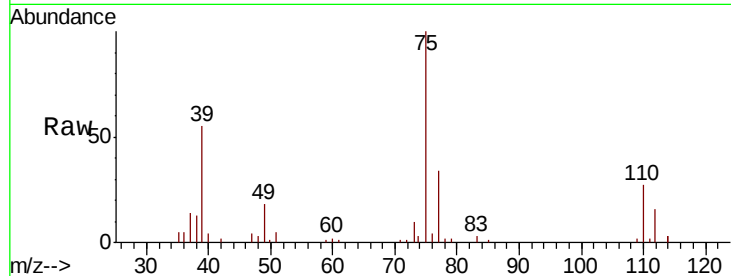




#39
 cis-1,3-Dichloropropene
 Concen: 6.804 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

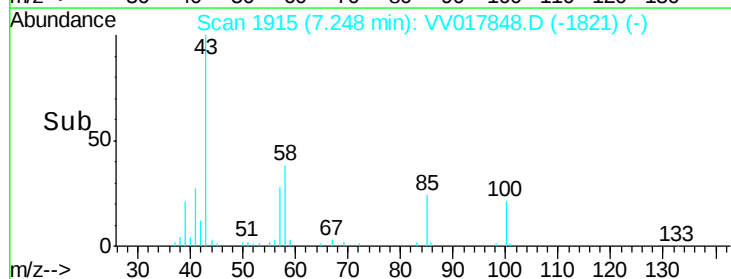
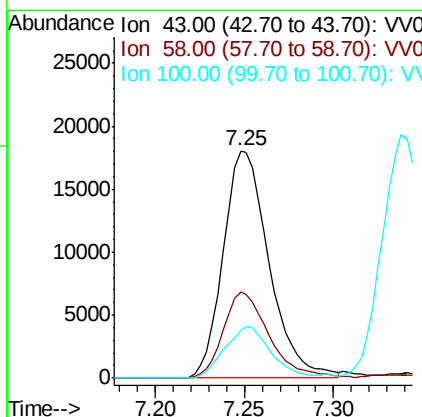
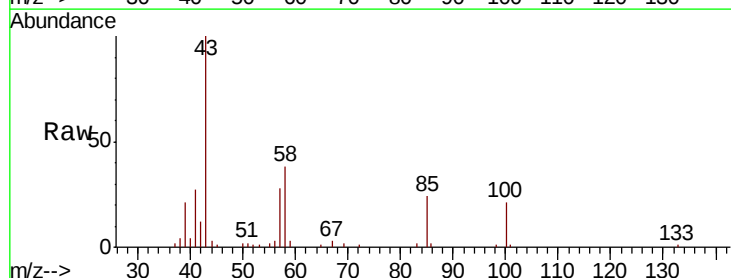
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

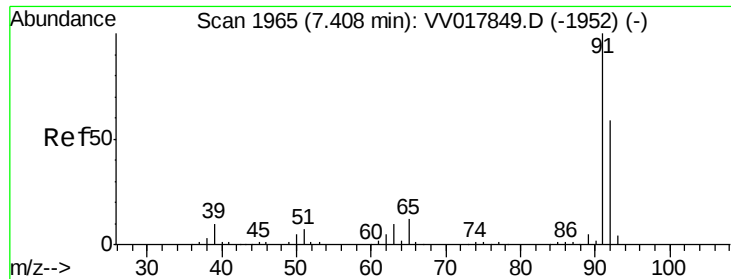
Tot Ion: 75 Resp: 18268
 Ion Ratio Lower Upper
 75 100
 77 34.0 23.7 44.1



#40
 4-Methyl-2-pentanone
 Concen: 16.221 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

Tgt Ion: 43 Resp: 32284
 Ion Ratio Lower Upper
 43 100
 58 38.0 32.3 48.5
 100 22.7 17.4 26.0





#42

Toluene

Concen: 9.276 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

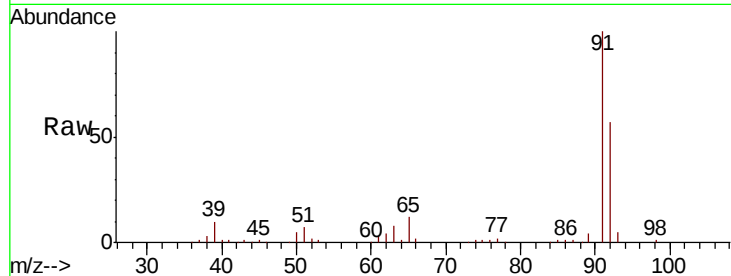
VSTD01063

Tot Ion: 91 Resp: 66854

Ion Ratio Lower Upper

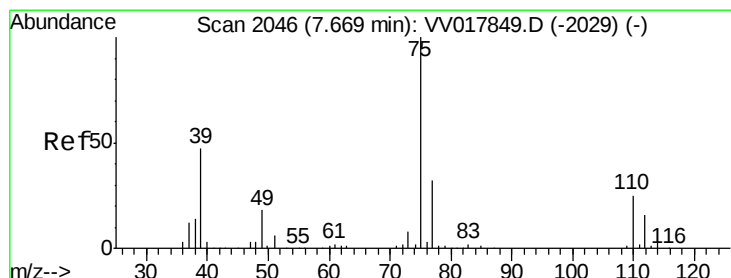
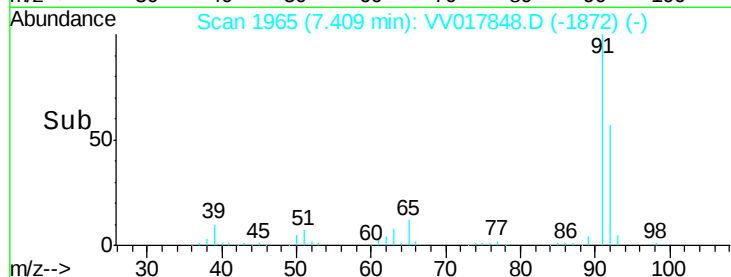
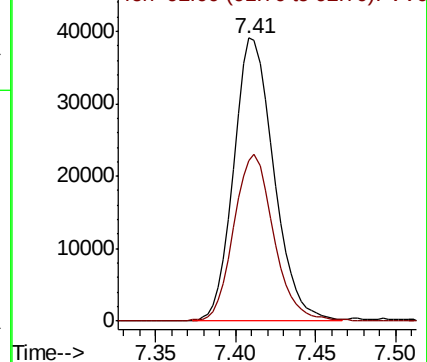
91 100

92 56.8 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 6.993 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV017848.D

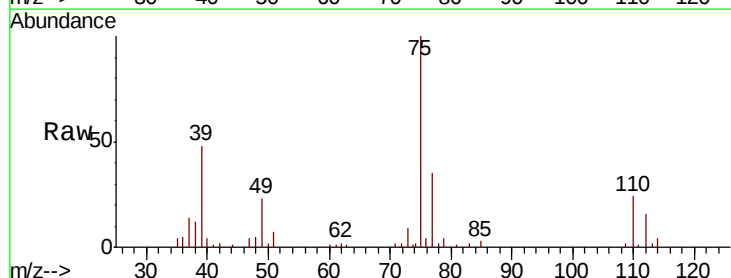
Acq: 08 Aug 2020 11:51

Tgt Ion: 75 Resp: 19287

Ion Ratio Lower Upper

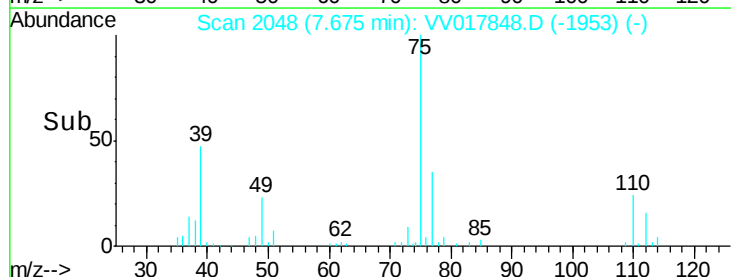
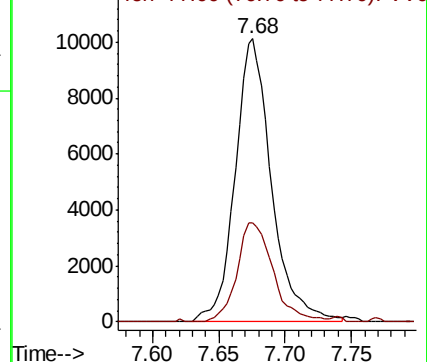
75 100

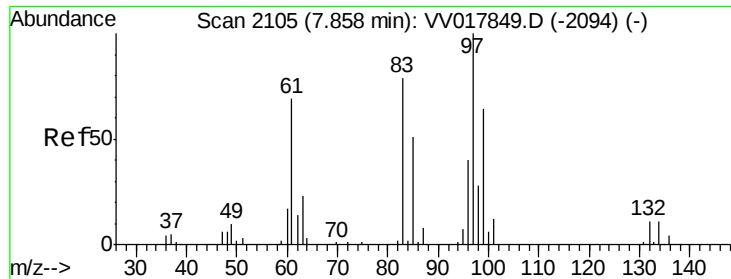
77 35.0 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

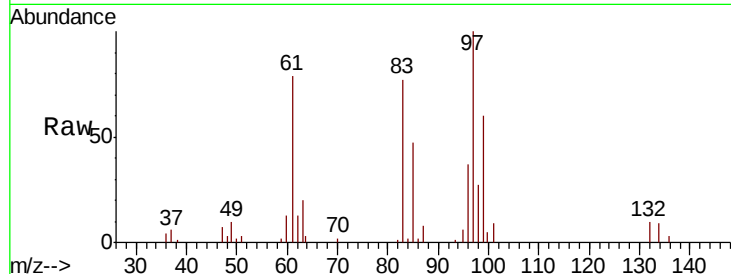




#45
 1,1,2-Trichloroethane
 Concen: 9.715 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

Tot Ion:	97	Resp:	16495
Ion	Ratio	Lower	Upper
97	100		
99	60.3	44.7	82.9
83	76.8	55.7	103.5
85	46.5	35.4	65.8



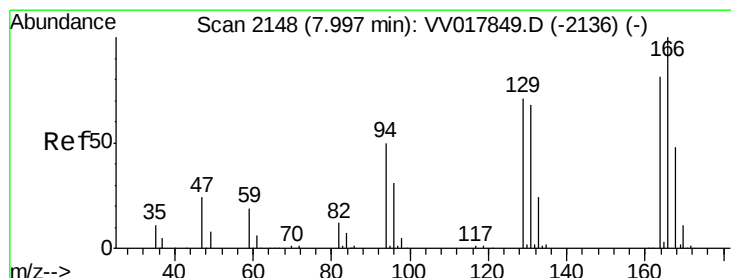
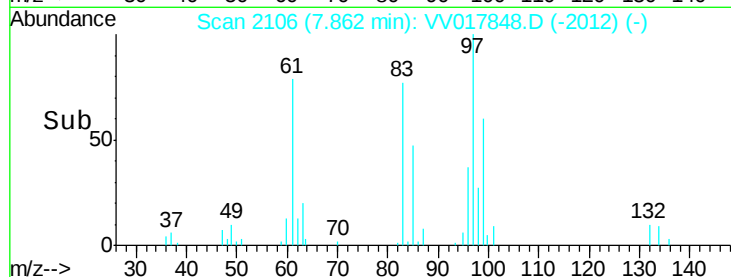
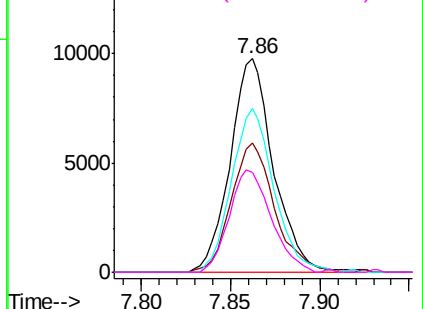
Abundance

Ion 97.00 (96.70 to 97.70): VV017848.D (-2094) (-)

Ion 99.00 (98.70 to 99.70): VV017848.D (-2094) (-)

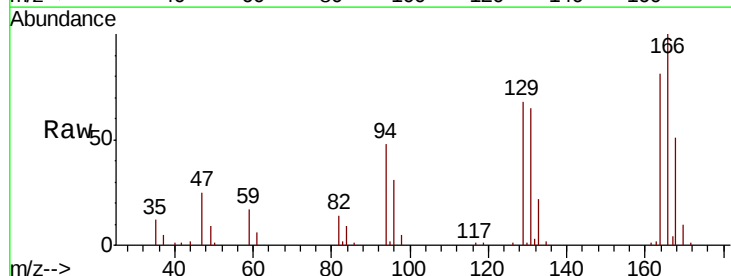
Ion 83.00 (82.70 to 83.70): VV017848.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV017848.D (-2094) (-)



#46
 Tetrachloroethene
 Concen: 9.440 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

Tgt Ion:	164	Resp:	15808
Ion	Ratio	Lower	Upper
164	100		
129	84.4	61.6	114.4
131	80.9	59.6	110.8
166	123.6	87.2	161.9



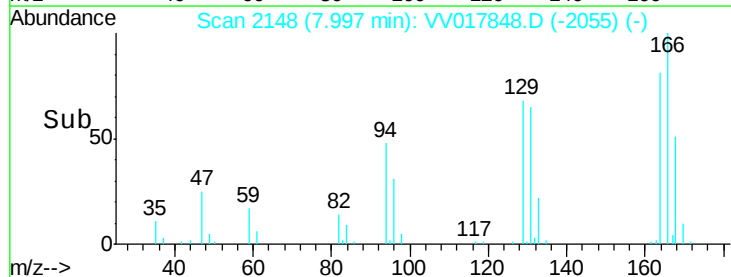
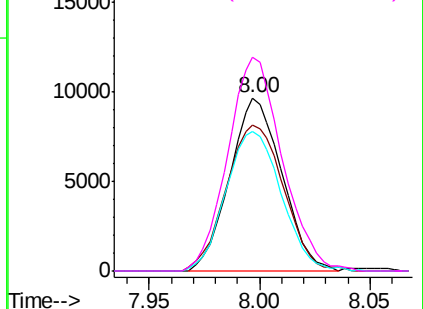
Abundance

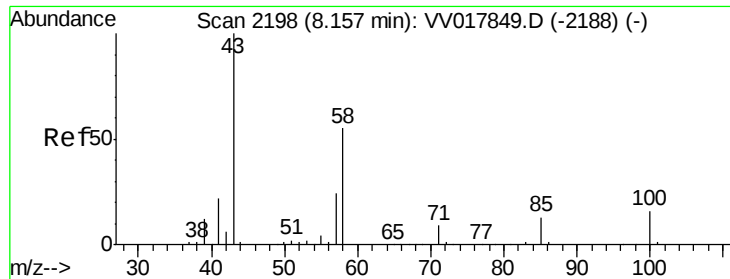
Ion 164.00 (163.70 to 164.70): VV017848.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV017848.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV017848.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV017848.D (-2055) (-)

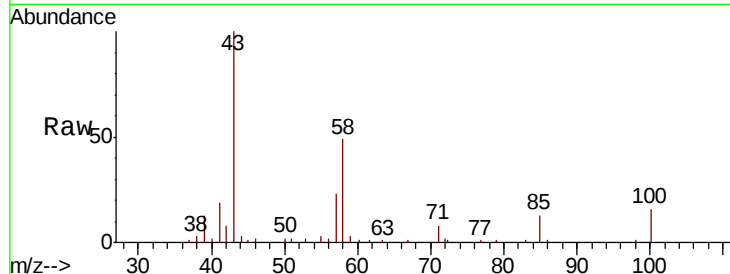




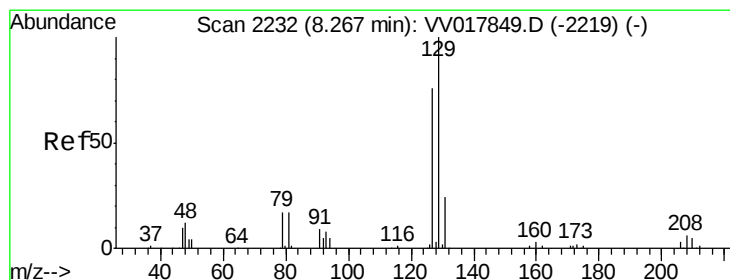
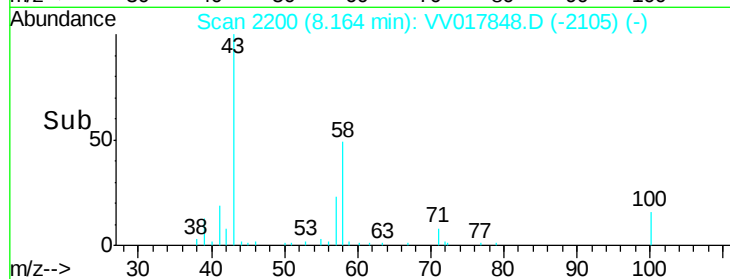
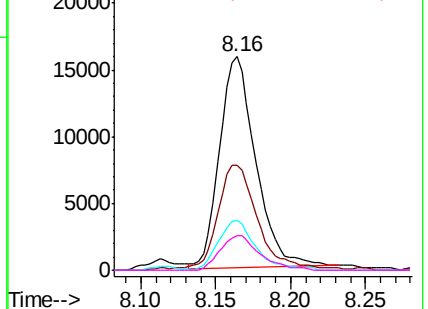
#48
2-Hexanone
Concen: 16.699 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV017848.D
Acq: 08 Aug 2020 11:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

Tot Ion: 43 Resp: 26745
Ion Ratio Lower Upper
43 100
58 55.0 43.8 65.8
57 24.1 18.0 27.0
100 18.1 13.8 20.8

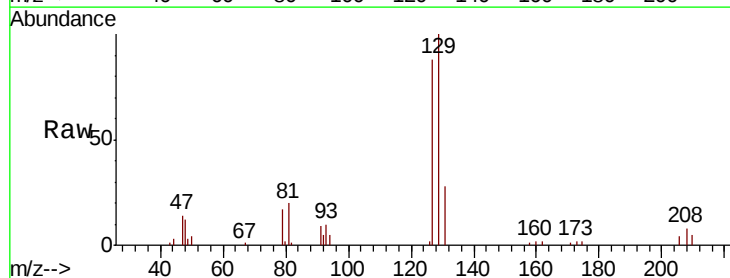


Abundance Ion 43.00 (42.70 to 43.70): VV017848.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV017848.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV017848.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV017848.D (-2105) (-)

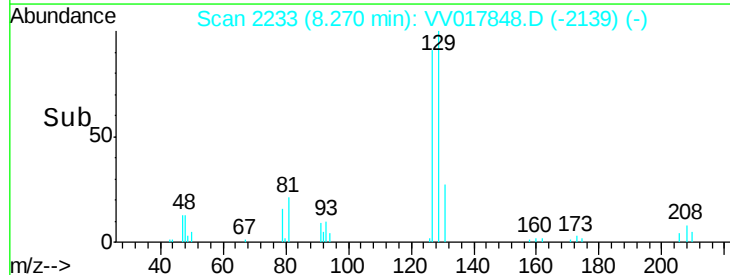
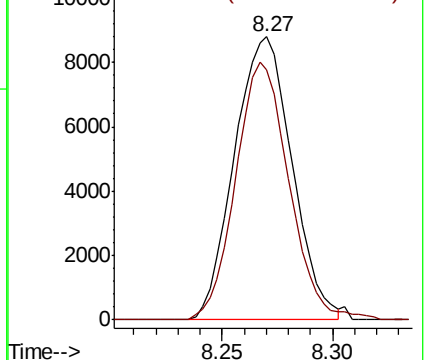


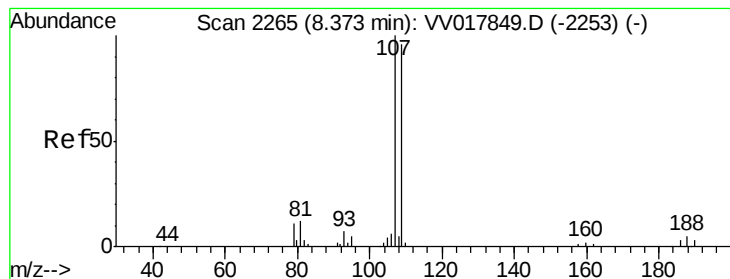
#49
Dibromochloromethane
Concen: 7.338 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV017848.D
Acq: 08 Aug 2020 11:51

Tgt Ion: 129 Resp: 15901
Ion Ratio Lower Upper
129 100
127 88.4 53.1 98.5



Abundance Ion 129.00 (128.70 to 129.70): VV017848.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV017848.D (-2139) (-)

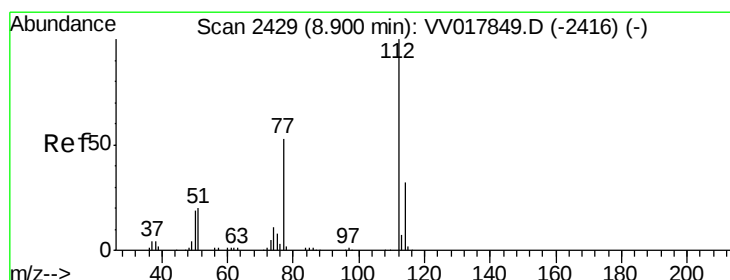
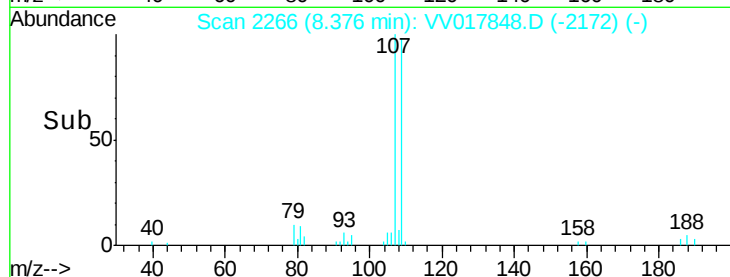
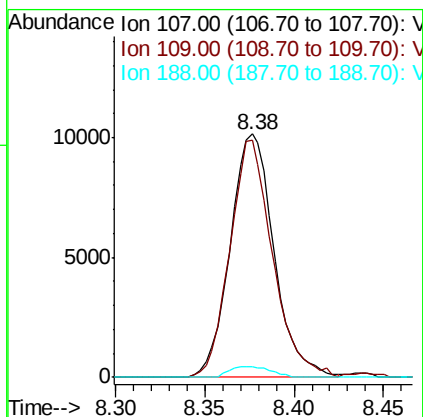
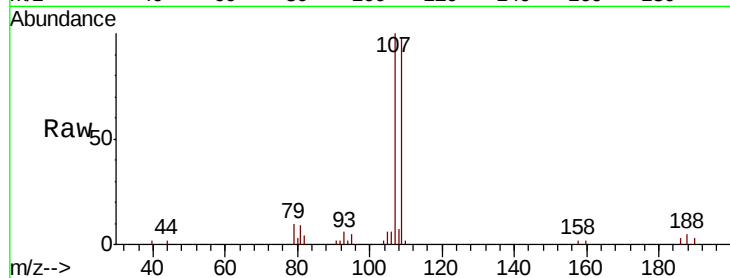




#50
 1,2-Dibromoethane
 Concen: 9.319 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

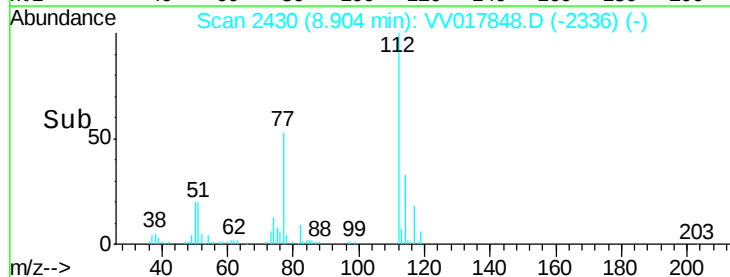
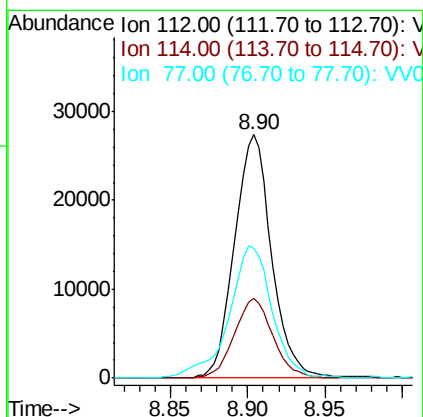
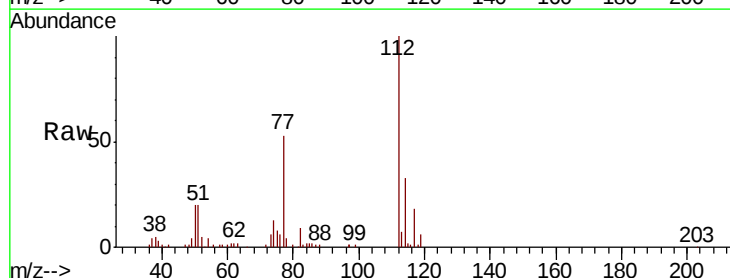
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

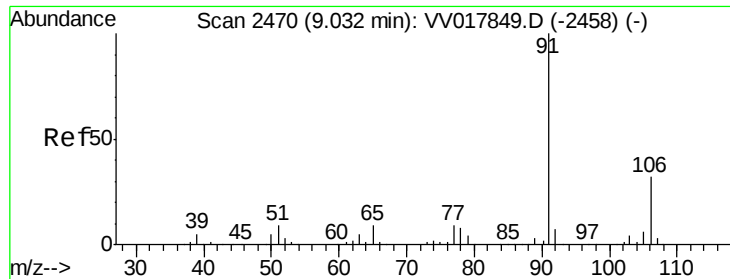
Tot Ion:107 Resp: 17324
 Ion Ratio Lower Upper
 107 100
 109 97.5 67.3 125.1
 188 4.5 4.3 6.5



#51
 Chlorobenzene
 Concen: 9.129 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

Tgt Ion:112 Resp: 45550
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.4 41.6
 77 53.4 42.7 64.1





#52

Ethylbenzene

Concen: 8.841 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

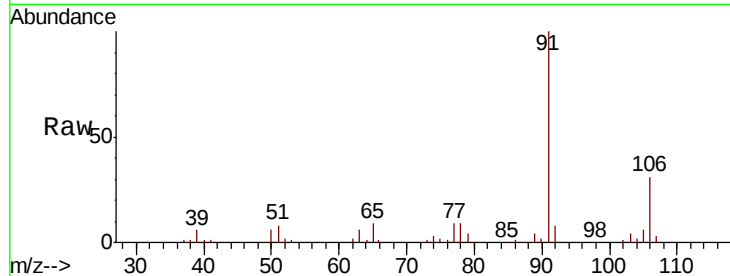
VSTD01063

Tot Ion: 91 Resp: 73475

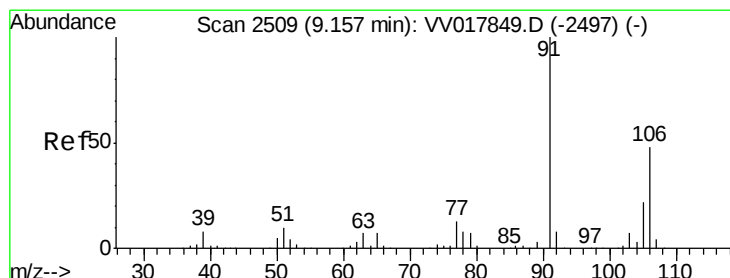
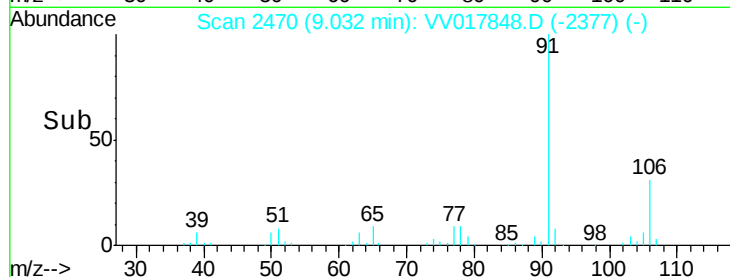
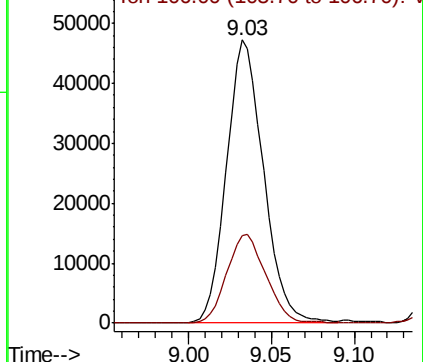
Ion Ratio Lower Upper

91 100

106 31.0 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV017848.D (-2377) (-)



#53

m,p-Xylene

Concen: 9.193 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017848.D

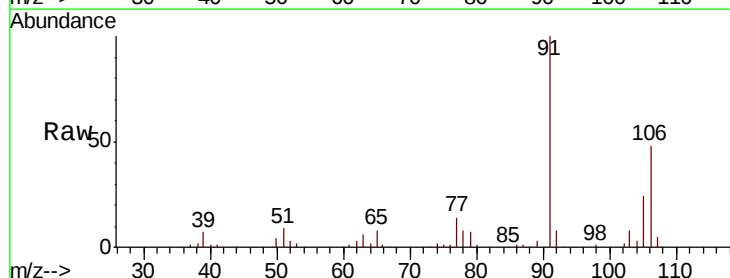
Acq: 08 Aug 2020 11:51

Tgt Ion: 106 Resp: 29278

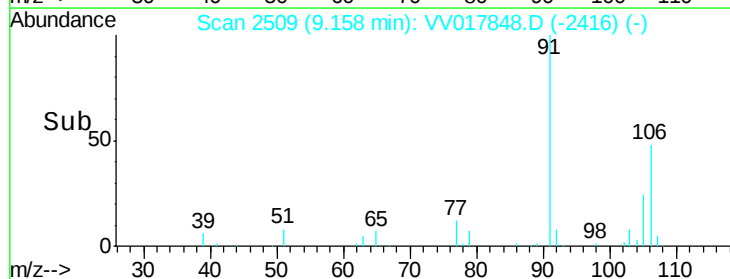
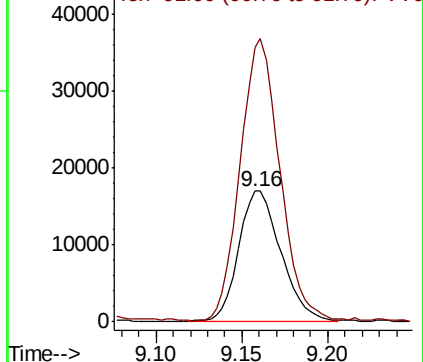
Ion Ratio Lower Upper

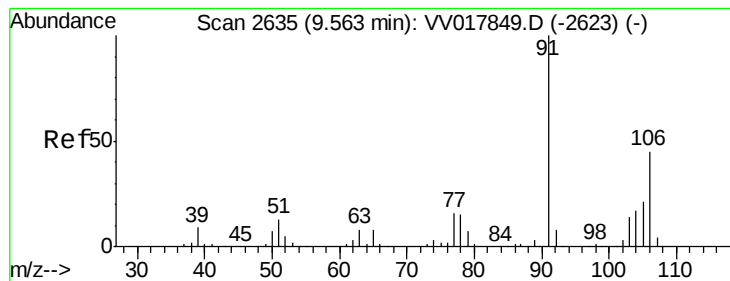
106 100

91 209.7 146.4 272.0



Abundance Ion 106.00 (105.70 to 106.70): VV017848.D (-2416) (-)





#54

o-xylene

Concen: 9.254 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

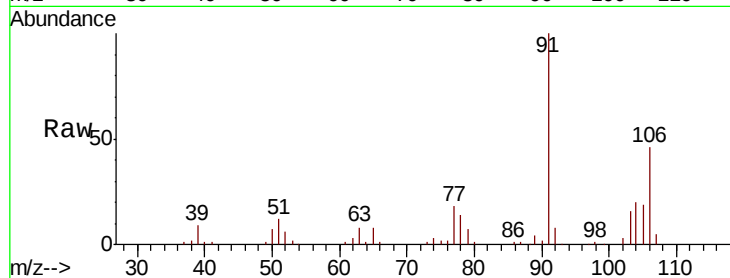
VSTD01063

Tot Ion:106 Resp: 28510

Ion Ratio Lower Upper

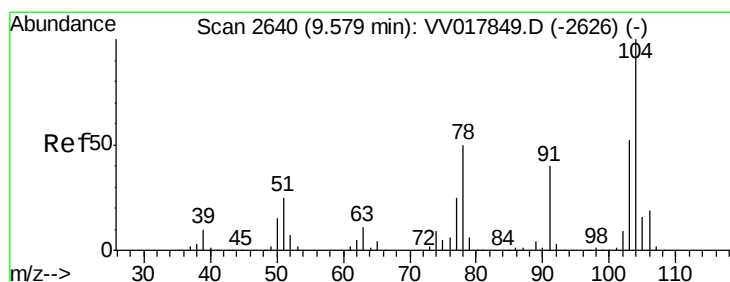
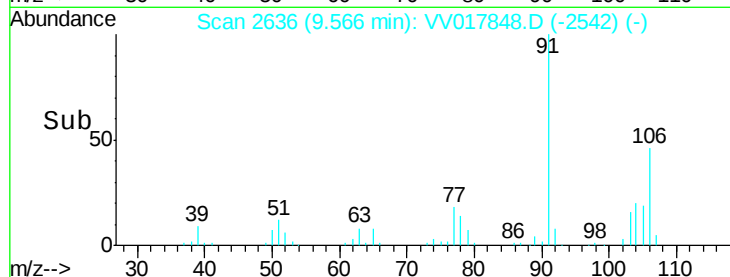
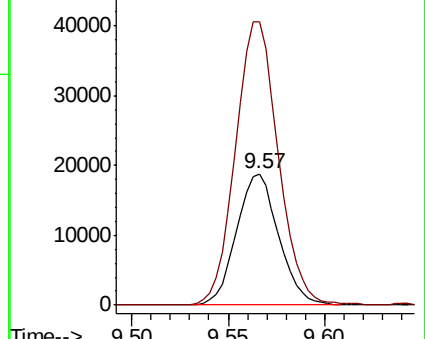
106 100

91 215.2 155.2 288.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 8.807 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017848.D

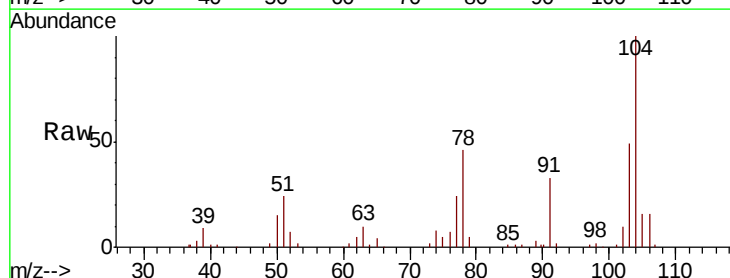
Acq: 08 Aug 2020 11:51

Tgt Ion:104 Resp: 47112

Ion Ratio Lower Upper

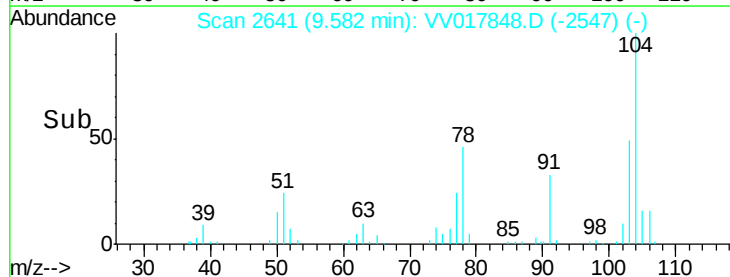
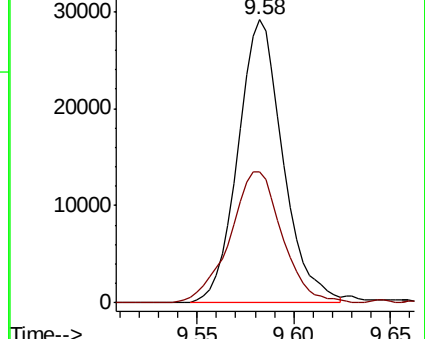
104 100

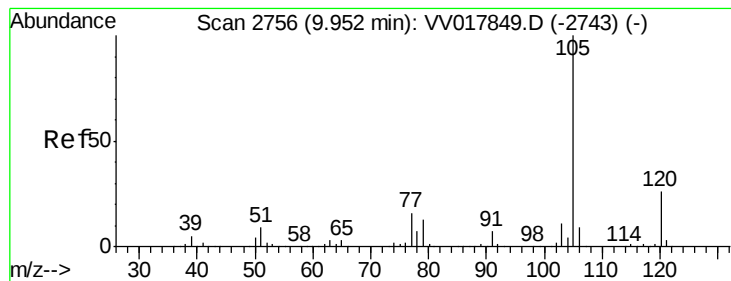
78 46.4 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 9.127 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

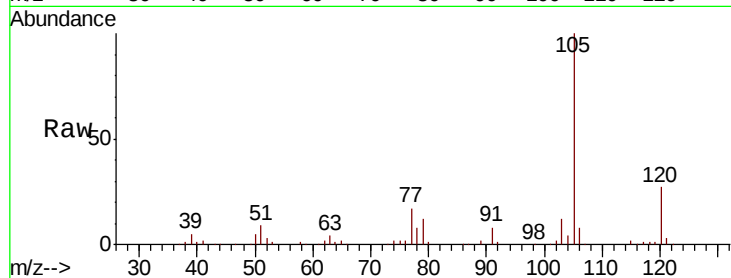
Tot Ion:105 Resp: 77206

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.4

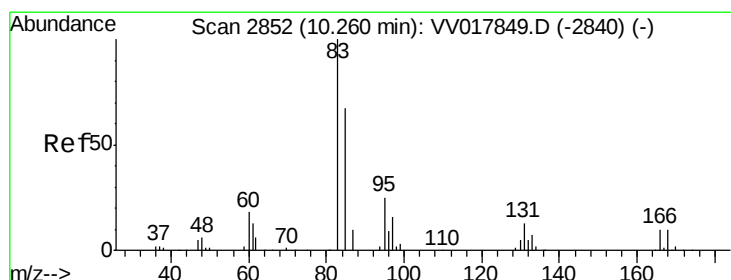
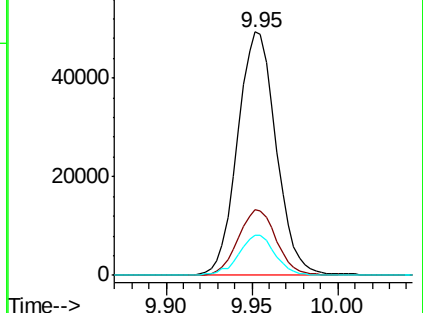
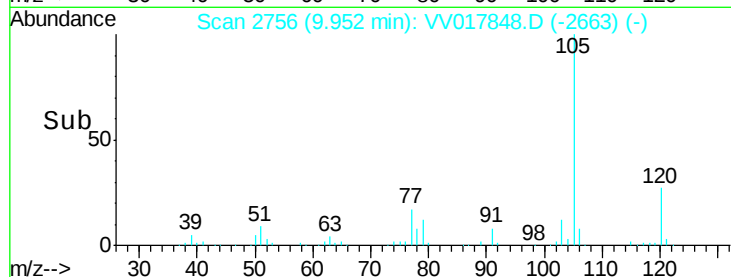
77 15.5 13.0 19.4



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: 8.334 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

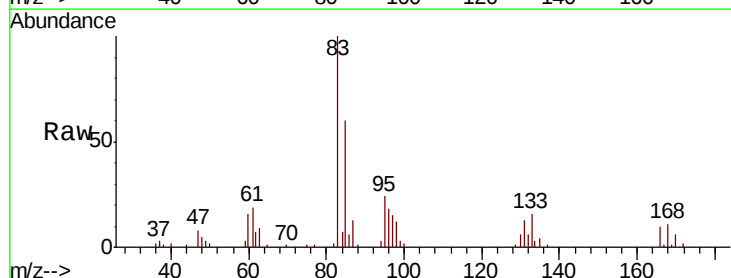
Tgt Ion: 83 Resp: 20382

Ion Ratio Lower Upper

83 100

85 60.2 47.5 88.1

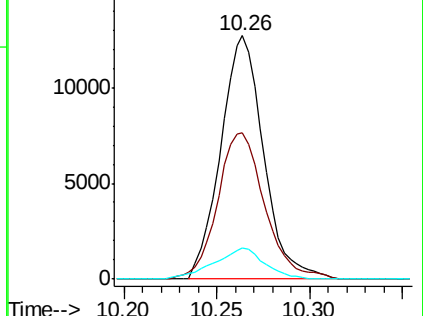
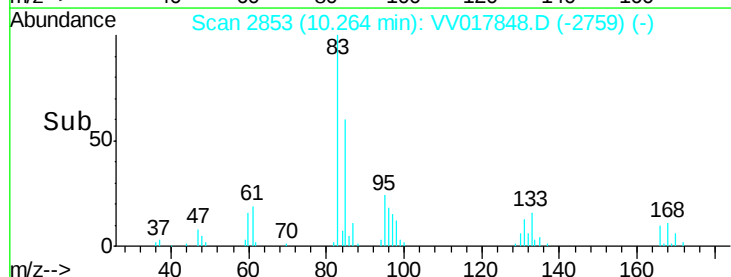
131 13.0 11.1 16.7

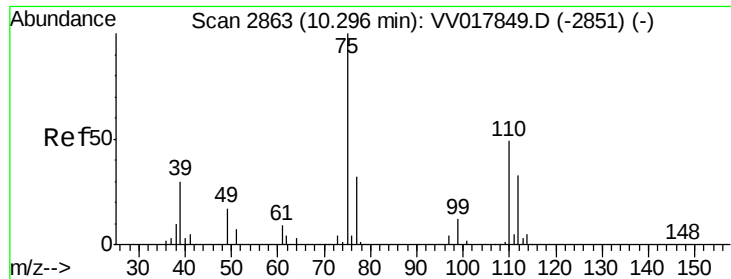


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 8.461 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

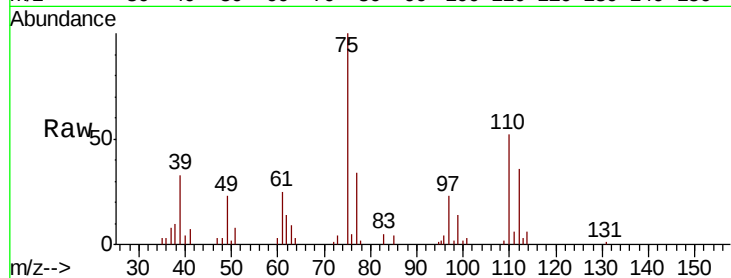
VSTD01063

Tot Ion: 75 Resp: 18284

Ion Ratio Lower Upper

75 100

77 35.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV017849.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV017849.D (-2851) (-)

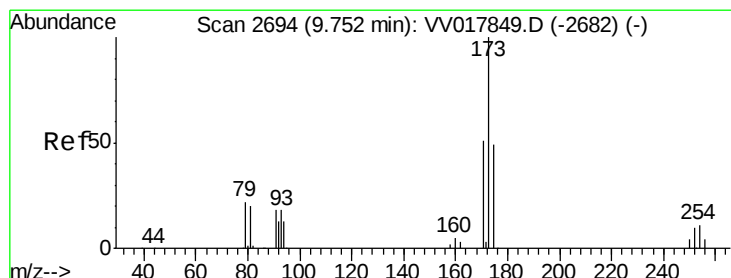
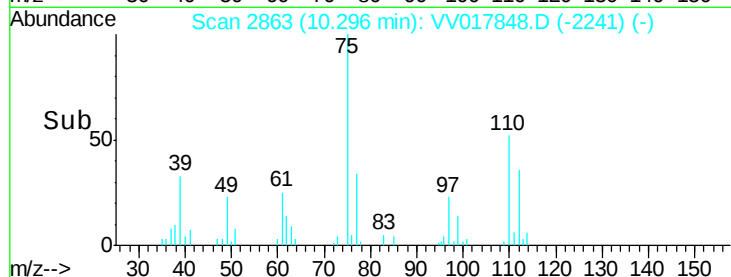
10.30

10000

5000

0

Time-->



#61

Bromoform

Concen: 6.353 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

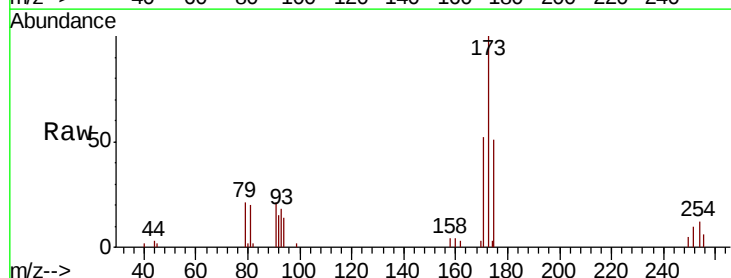
Tgt Ion: 173 Resp: 9964

Ion Ratio Lower Upper

173 100

175 50.8 40.6 60.8

254 9.5 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): VV017849.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017849.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017849.D (-2682) (-)

9.76

8000

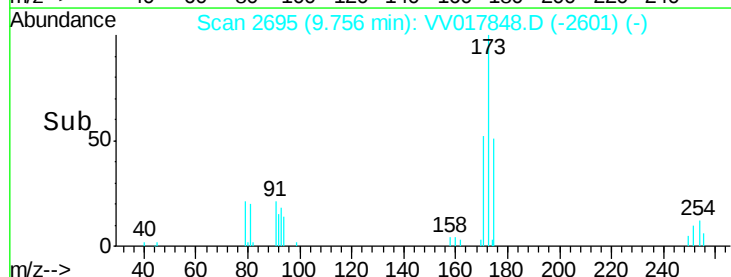
6000

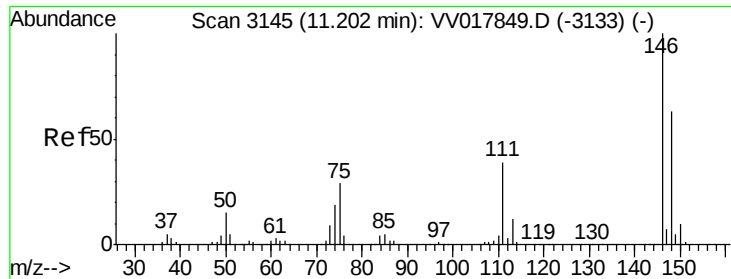
4000

2000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 9.246 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

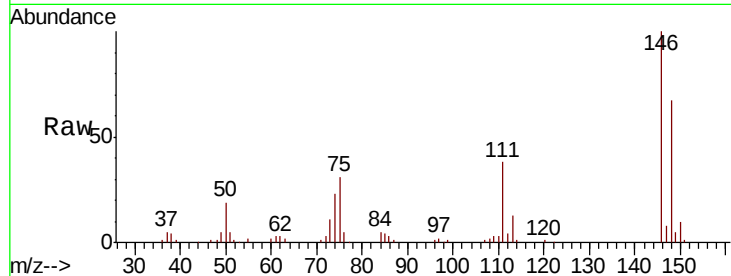
Tot Ion:146 Resp: 39834

Ion Ratio Lower Upper

146 100

111 38.4 27.1 50.3

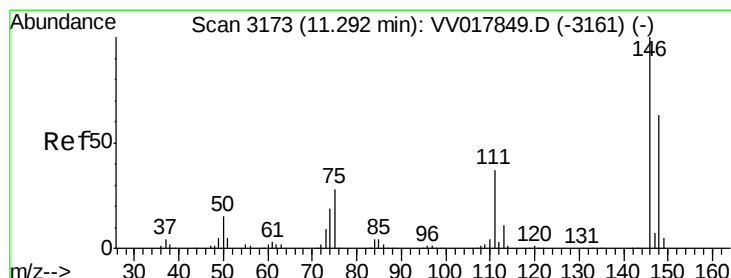
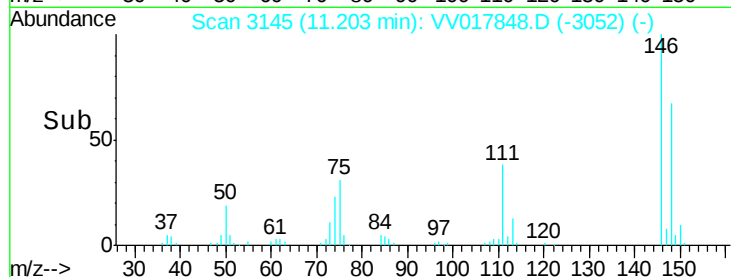
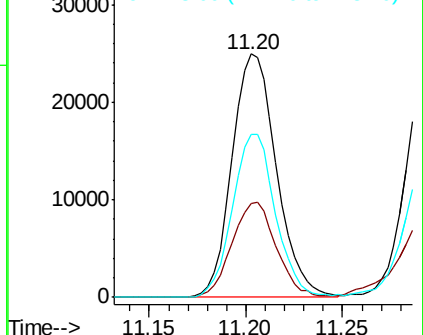
148 66.9 43.8 81.4



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: 9.593 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

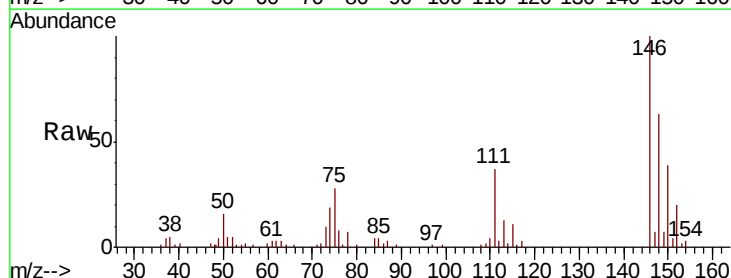
Tgt Ion:146 Resp: 41857

Ion Ratio Lower Upper

146 100

111 36.5 26.2 48.8

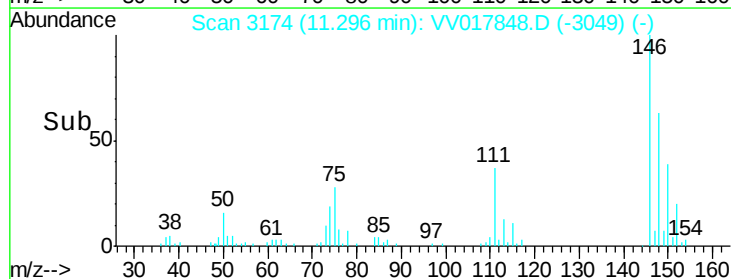
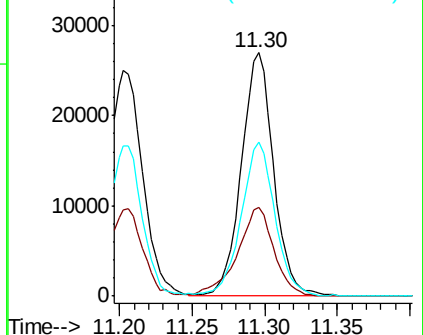
148 63.0 44.3 82.3

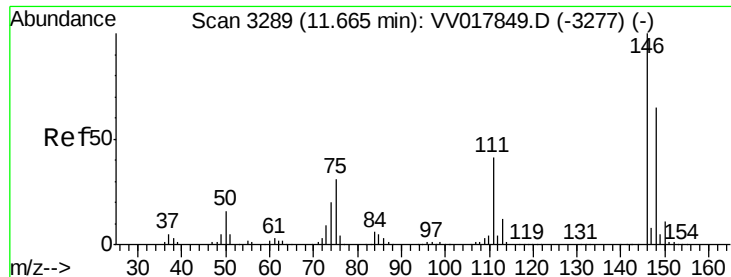


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

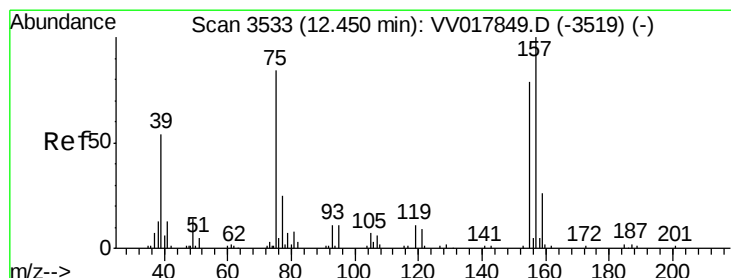
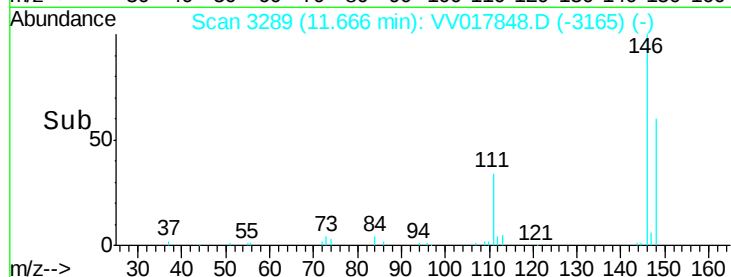
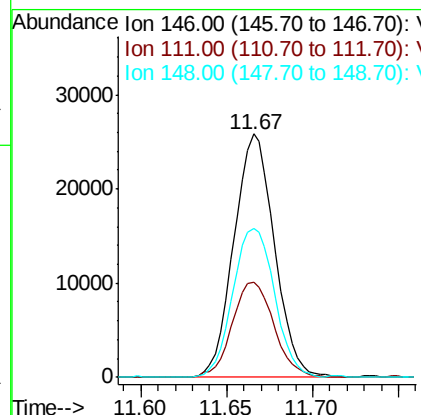
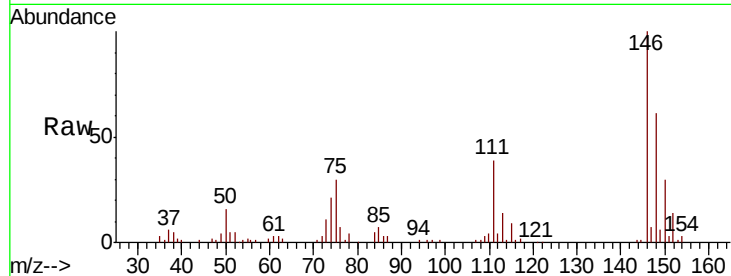




#65
 1,2-Dichlorobenzene
 Concen: 9.847 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

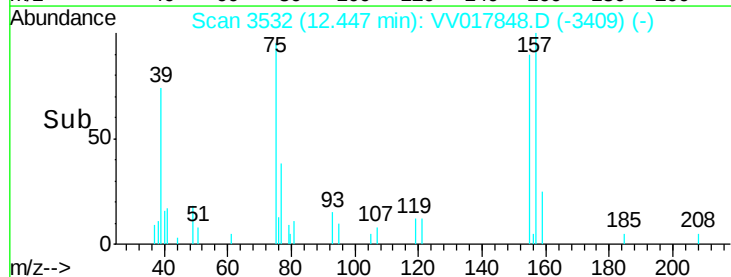
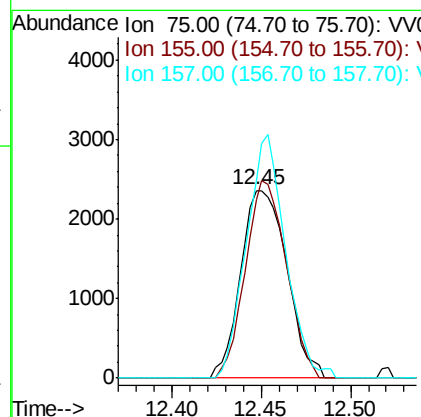
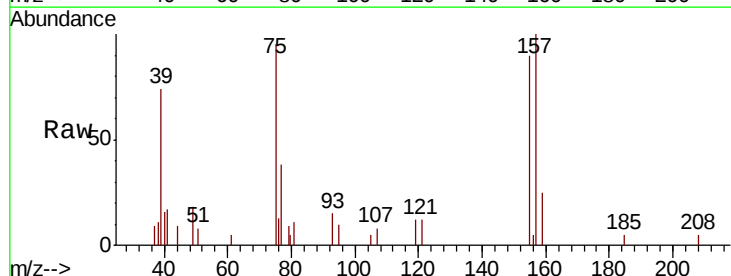
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

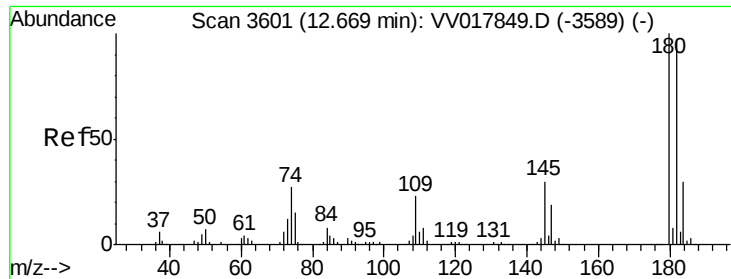
Tot Ion:146 Resp: 42311
 Ion Ratio Lower Upper
 146 100
 111 39.0 32.9 49.3
 148 61.1 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.462 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

Tgt Ion: 75 Resp: 4257
 Ion Ratio Lower Upper
 75 100
 155 95.1 75.0 112.6
 157 105.5 95.0 142.4

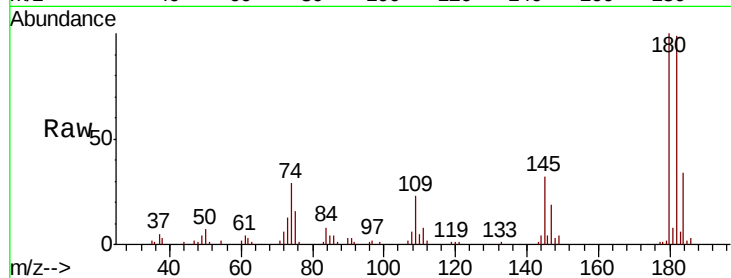




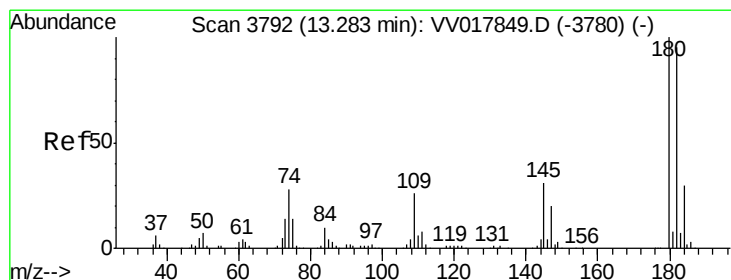
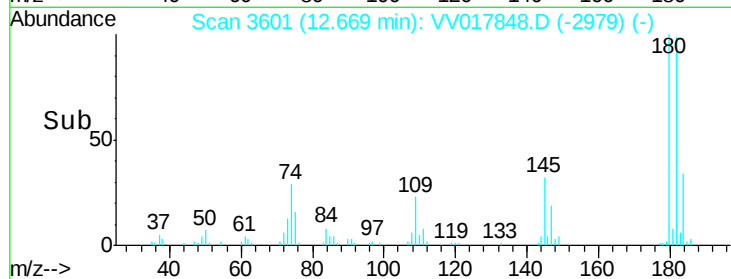
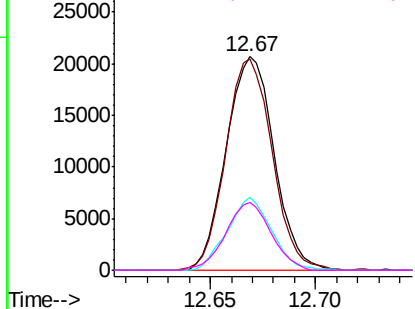
#67
 1,3,5-Trichlorobenzene
 Concen: 9.656 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

Tot Ion:180 Resp: 32600
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.7 115.1
 184 31.8 24.4 36.6
 145 30.0 24.2 36.4

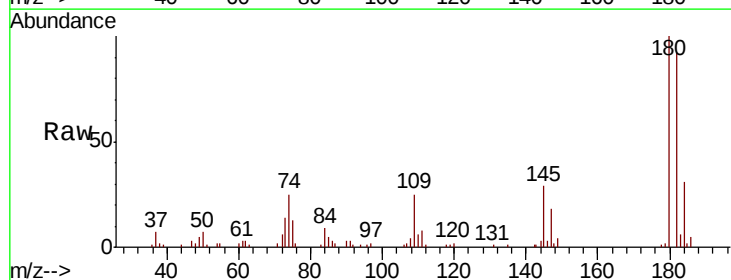


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

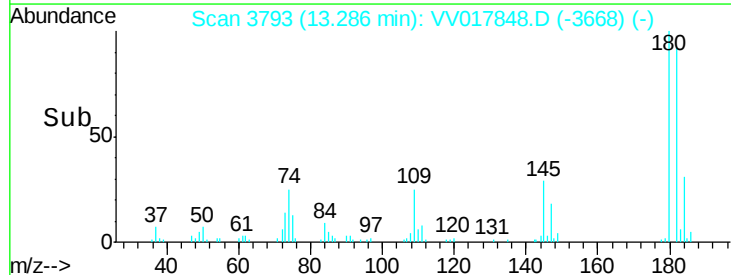
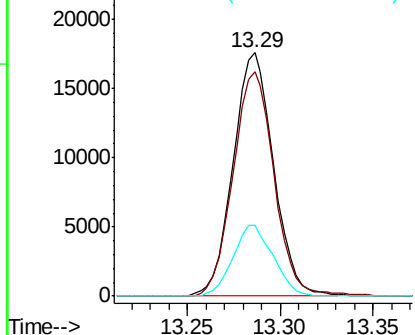


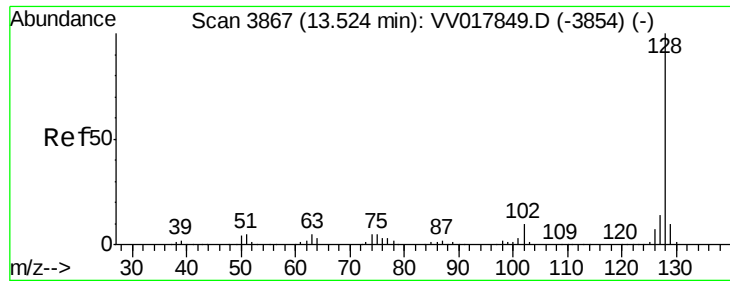
#68
 1,2,4-trichlorobenzene
 Concen: 9.058 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017848.D
 Acq: 08 Aug 2020 11:51

Tgt Ion:180 Resp: 26607
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.6 113.4
 145 28.7 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 8.550 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

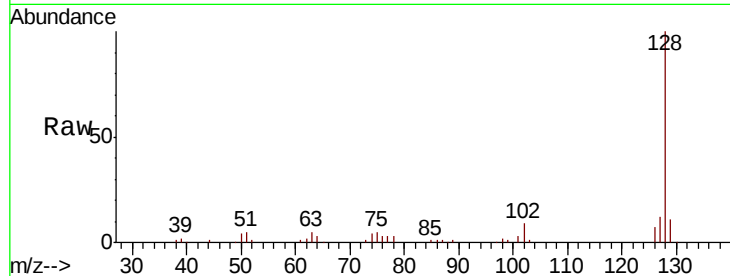
Tot Ion:128 Resp: 65769

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

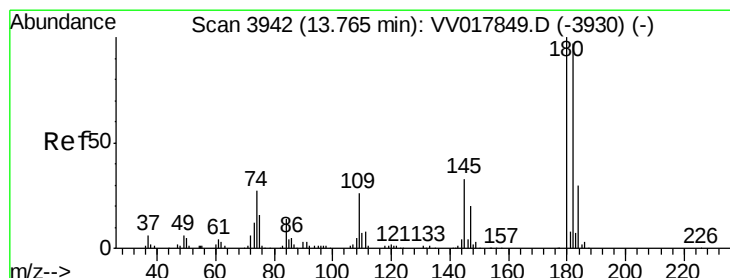
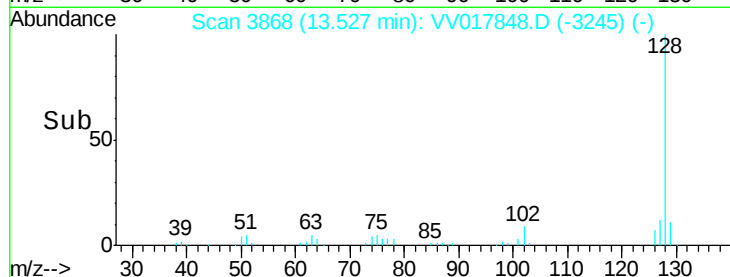
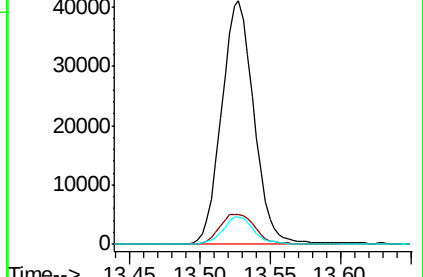
129 10.7 8.5 12.7



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: 9.868 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017848.D

Acq: 08 Aug 2020 11:51

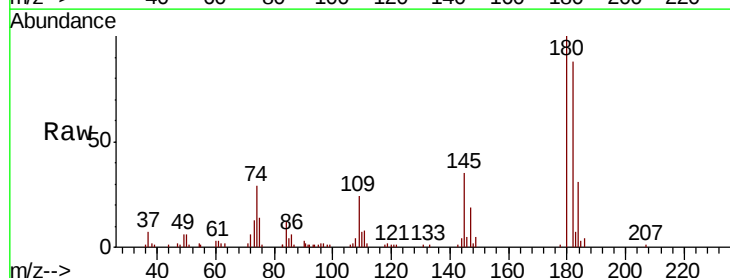
Tgt Ion:180 Resp: 28886

Ion Ratio Lower Upper

180 100

182 87.6 76.7 115.1

145 32.5 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

