

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
 Data File : VV017850.D
 Acq On : 08 Aug 2020 12:40
 Operator : SY/MD
 Sample : VSTD10065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Quant Time: Aug 10 02:00:39 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	257926	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	248104	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	144106	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	140461	110.27	ug/L	0.00
7) Chloroethane-d5	1.58	69	116453	107.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	335300	110.18	ug/L	0.00
21) 2-Butanone-d5	3.91	46	178494	195.04	ug/L	0.00
24) Chloroform-d	4.37	84	362941	106.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	268329	106.99	ug/L	0.00
32) Benzene-d6	5.07	84	600811	103.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	154843	98.72	ug/L	0.00
41) Toluene-d8	7.34	98	611256	106.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	111510	106.19	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	123461	186.73	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	235529	97.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	301573	106.35	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	212433	85.526	ug/L 99
3) Chloromethane	1.25	50	124557	75.768	ug/L 99
5) Vinyl chloride	1.32	62	150897	85.535	ug/L 99
6) Bromomethane	1.53	94	101019	93.954	ug/L 96
8) Chloroethane	1.60	64	94153	87.075	ug/L 99
9) Trichlorofluoromethane	1.76	101	377111	104.820	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	162407	97.738	ug/L 98
12) 1,1-Dichloroethene	2.13	96	150568	97.960	ug/L 97
13) Acetone	2.20	43	206815	179.528	ug/L 100
14) Carbon disulfide	2.31	76	386513	84.925	ug/L 100
15) Methyl Acetate	2.45	43	121891	81.647	ug/L 99
16) Methylene chloride	2.52	84	155321	86.831	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	154846	90.699	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	537768	95.250	ug/L 99
19) 1,1-Dichloroethane	3.21	63	258715	87.333	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	169507	92.325	ug/L 99
22) 2-Butanone	4.00	43	192848	182.644	ug/L 98
23) Bromochloromethane	4.27	128	101120	96.495	ug/L 98
25) Chloroform	4.40	83	330057	94.511	ug/L 100
27) 1,2-Dichloroethane	5.15	62	295504	96.015	ug/L 99
29) Cyclohexane	4.70	56	200786	83.795	ug/L 99
30) 1,1,1-Trichloroethane	4.63	97	348000	97.735	ug/L 99
31) Carbon tetrachloride	4.85	117	316608	98.143	ug/L 99
33) Benzene	5.12	78	586767	89.707	ug/L 100
34) Trichloroethene	5.94	95	180595	95.689	ug/L 99
35) Methylcyclohexane	6.15	83	259326	94.309	ug/L 99
37) 1,2-Dichloropropane	6.20	63	128343	86.470	ug/L 98
38) Bromodichloromethane	6.53	83	239227	89.839	ug/L 97
39) cis-1,3-Dichloropropene	7.05	75	244346	89.800	ug/L 97
40) 4-Methyl-2-pentanone	7.25	43	346728	171.893	ug/L 98

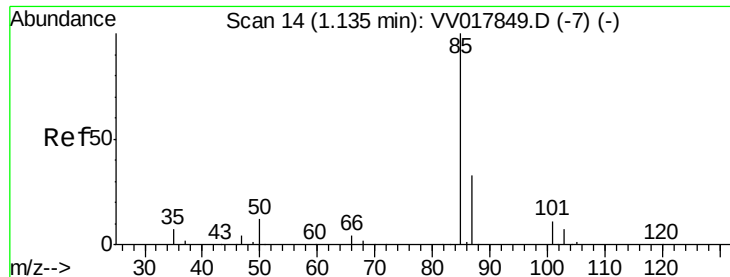
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	692164	94.755	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	269248	96.316	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	159678	92.789	ug/L	98
46) Tetrachloroethene	8.00	164	168515	99.292	ug/L	97
48) 2-Hexanone	8.16	43	282505	174.040	ug/L	99
49) Dibromochloromethane	8.27	129	198824	90.534	ug/L	98
50) 1,2-Dibromoethane	8.37	107	179739	95.395	ug/L	99
51) Chlorobenzene	8.90	112	485170	95.936	ug/L	99
52) Ethylbenzene	9.03	91	817258	97.022	ug/L	98
53) m,p-Xylene	9.16	106	315570	97.762	ug/L	100
54) o-xylene	9.56	106	313358	100.360	ug/L	99
55) Styrene	9.58	104	542768	100.108	ug/L	99
56) Isopropylbenzene	9.95	105	867397	101.169	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	225585	91.007	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	200418	91.502	ug/L	99
61) Bromoform	9.75	173	140805	84.526	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	446199	97.513	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	447174	96.490	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	444821	97.469	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	66285	94.738	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	376333	104.951	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	338843	108.602	ug/L	99
69) Naphthalene	13.52	128	876373	107.272	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	331084	106.494	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 85.526 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

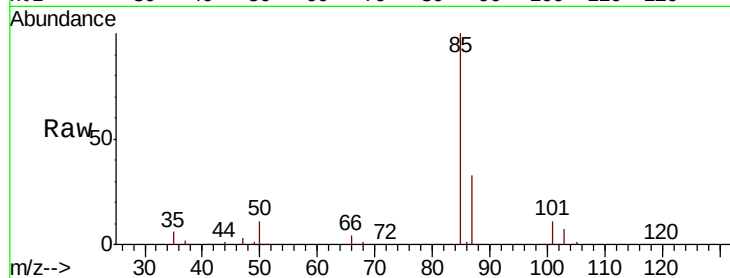
VSTD10065

Tot Ion: 85 Resp: 212433

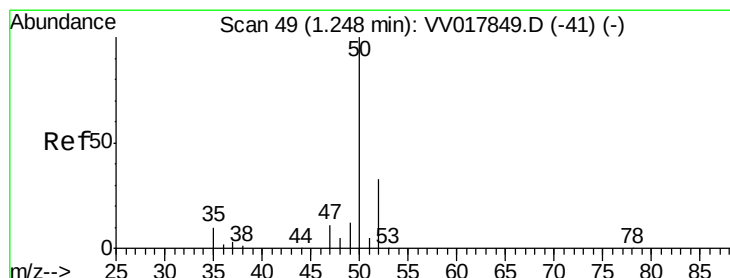
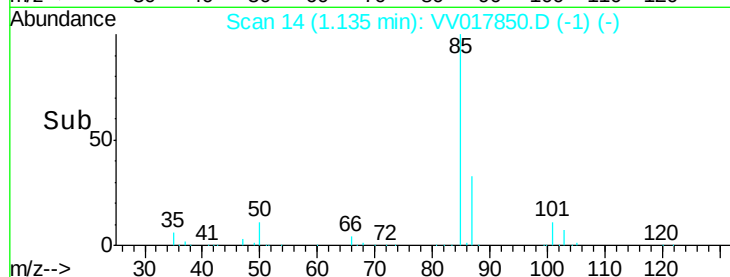
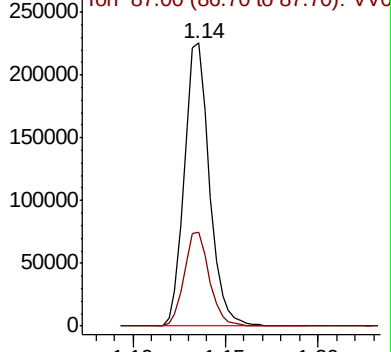
Ion Ratio Lower Upper

85 100

87 33.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017850.D (-1) (-)



#3

Chloromethane

Concen: 75.768 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017850.D

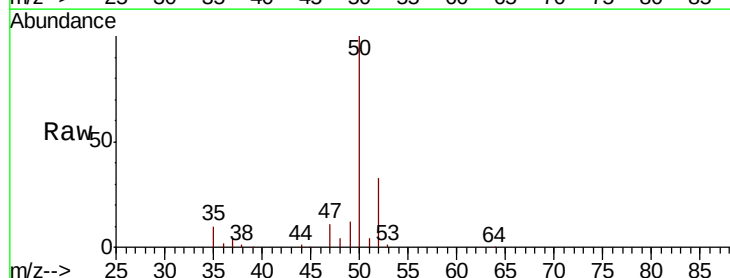
Acq: 08 Aug 2020 12:40

Tgt Ion: 50 Resp: 124557

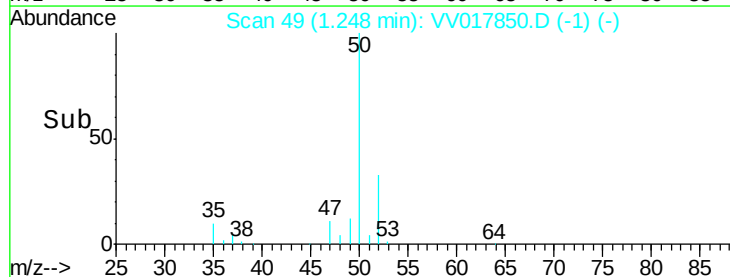
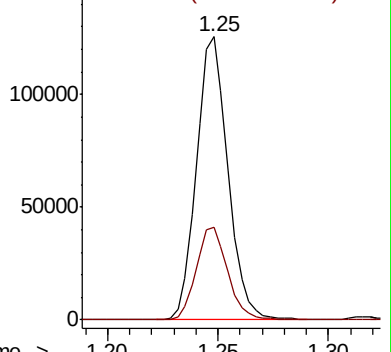
Ion Ratio Lower Upper

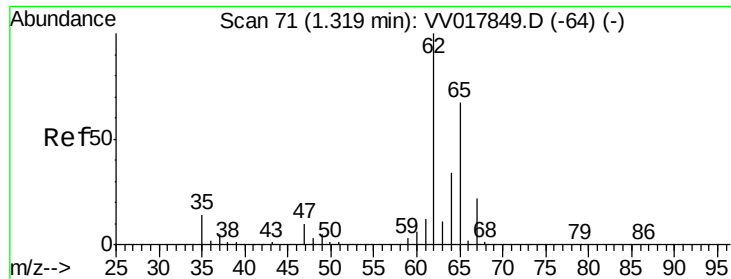
50 100

52 32.8 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV017850.D (-1) (-)





#5

Vinyl chloride

Concen: 85.535 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

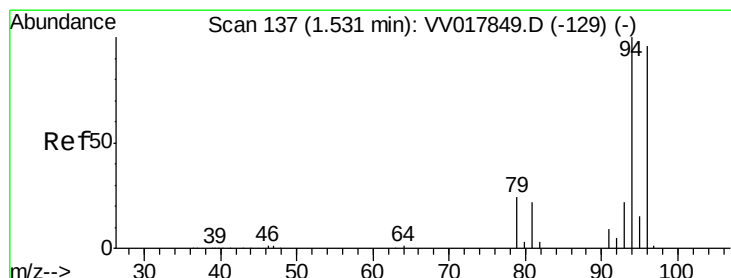
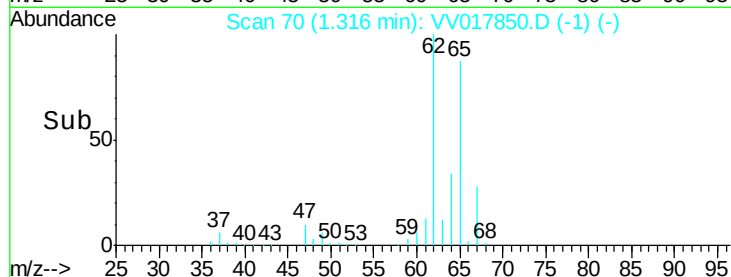
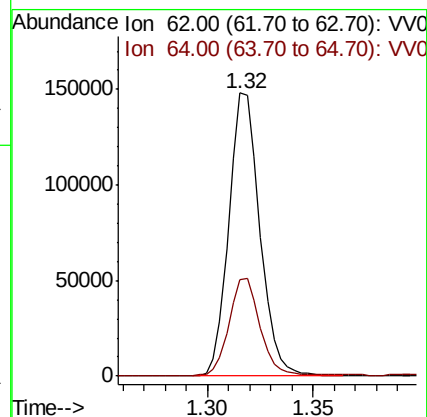
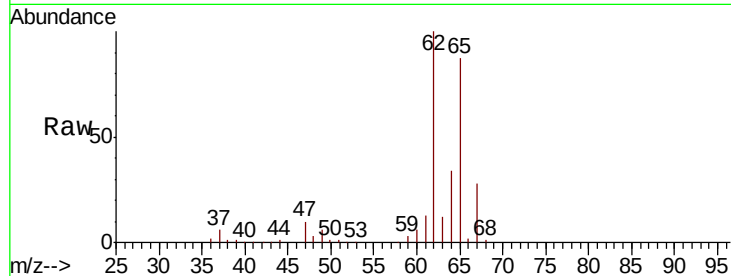
VSTD10065

Tot Ion: 62 Resp: 150897

Ion Ratio Lower Upper

62 100

64 34.0 24.0 44.6



#6

Bromomethane

Concen: 93.954 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017850.D

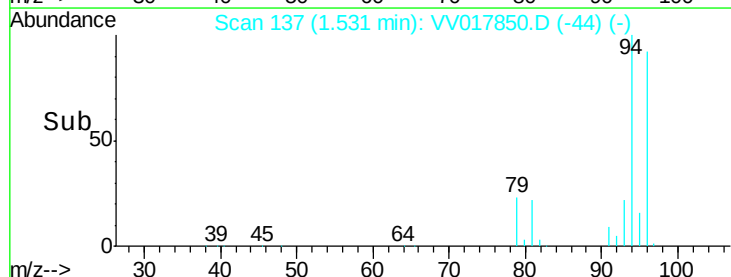
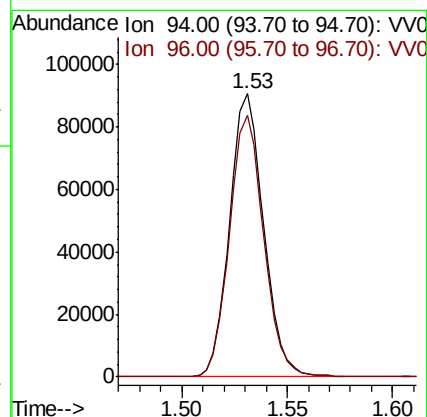
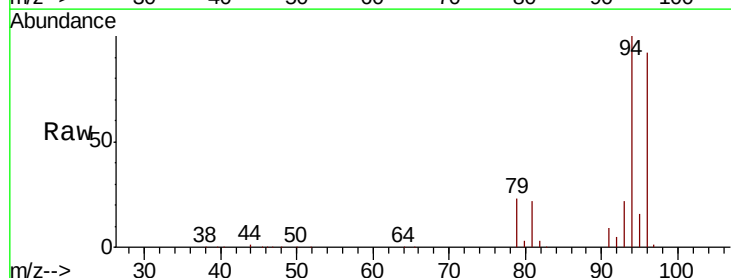
Acq: 08 Aug 2020 12:40

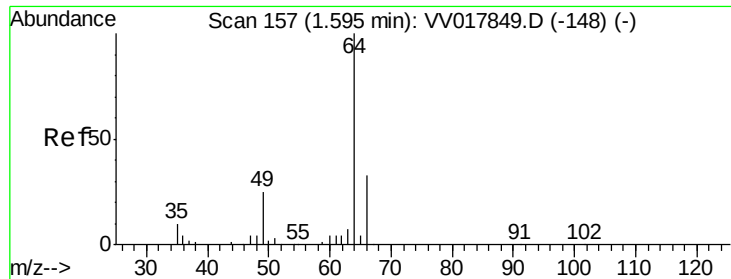
Tgt Ion: 94 Resp: 101019

Ion Ratio Lower Upper

94 100

96 92.2 67.5 125.3

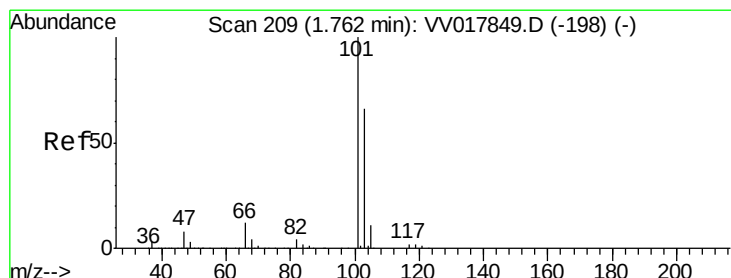
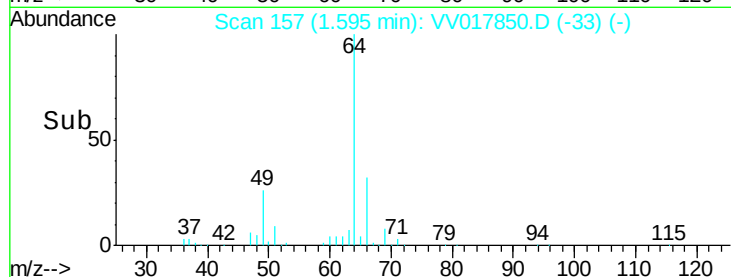
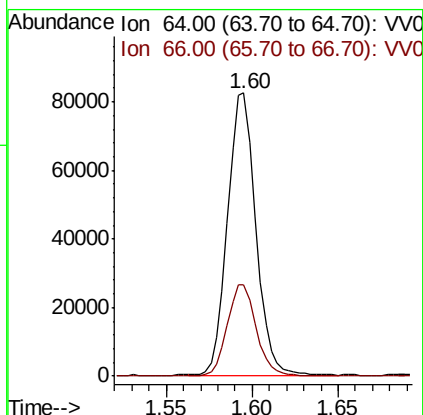
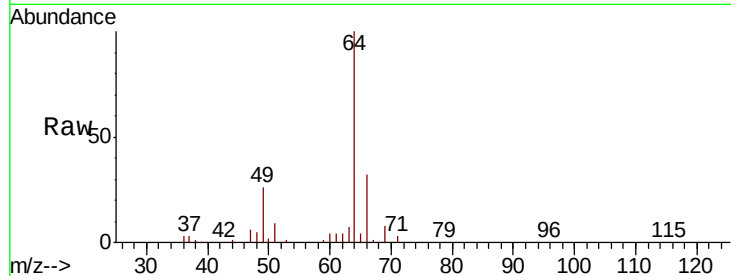




#8
Chloroethane
Concen: 87.075 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017850.D
Acq: 08 Aug 2020 12:40

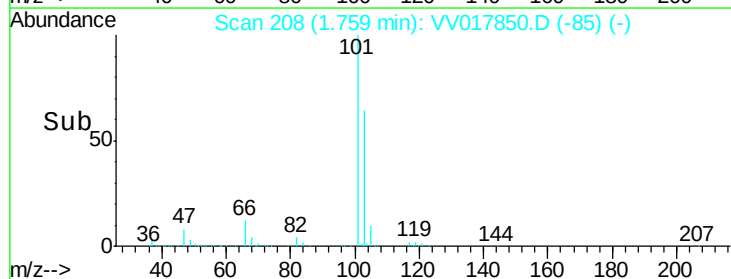
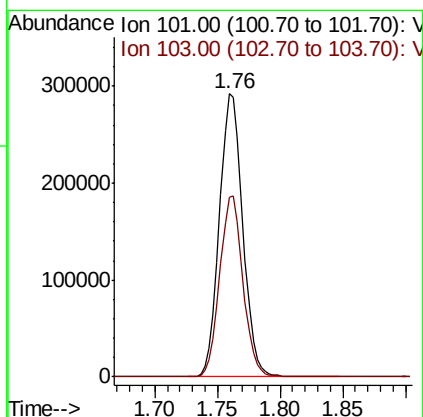
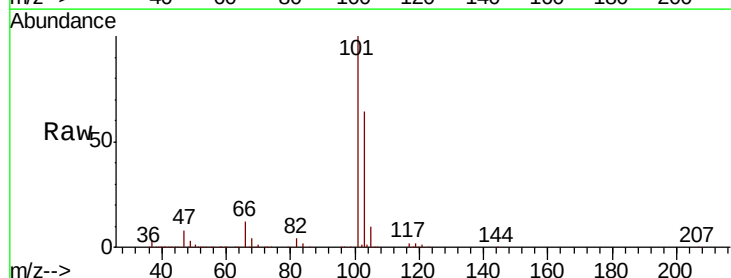
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

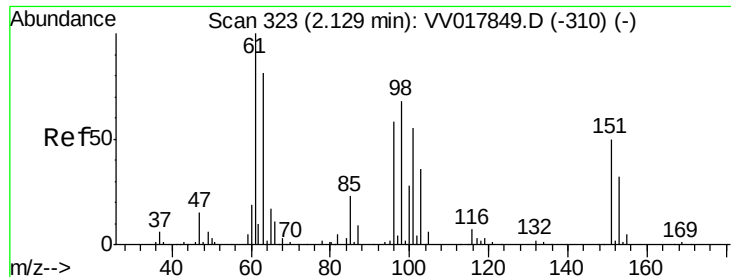
Tot Ion: 64 Resp: 94153
Ion Ratio Lower Upper
64 100
66 32.2 23.1 42.9



#9
Trichlorofluoromethane
Concen: 104.820 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV017850.D
Acq: 08 Aug 2020 12:40

Tgt Ion:101 Resp: 377111
Ion Ratio Lower Upper
101 100
103 63.8 53.2 79.8





#10

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

Concen: 97.738 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

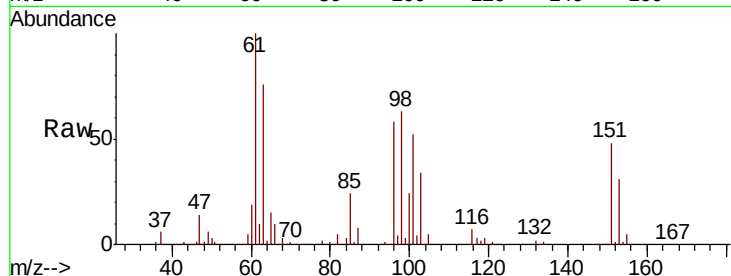
Tot Ion:101 Resp: 162407

Ion Ratio Lower Upper

101 100

85 45.5 35.0 52.6

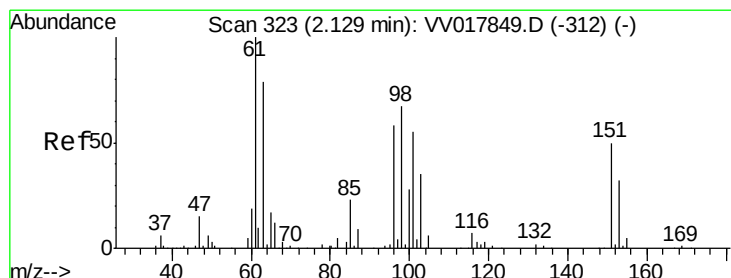
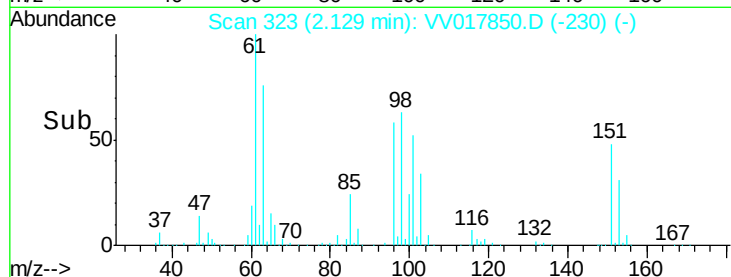
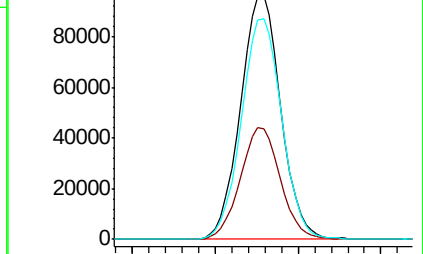
151 90.9 71.0 106.6



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) (-)



#12

1,1-Dichloroethene

Concen: 97.960 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

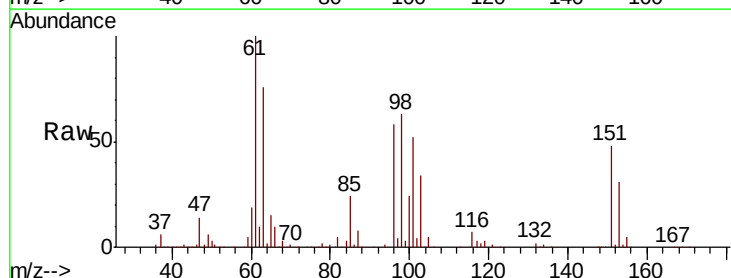
Tgt Ion: 96 Resp: 150568

Ion Ratio Lower Upper

96 100

61 173.4 121.1 224.9

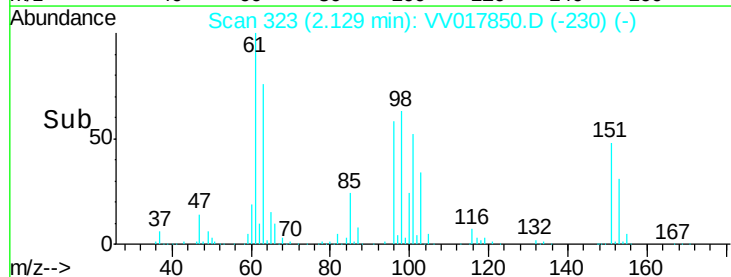
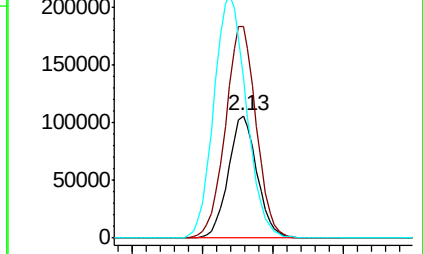
63 132.0 98.1 182.1

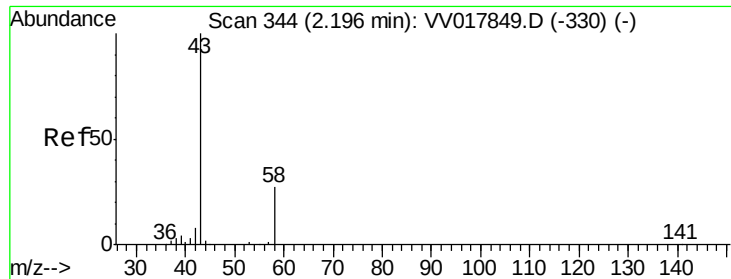


Abundance Ion 96.00 (95.70 to 96.70): VV017849.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV017849.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV017849.D (-312) (-)





#13

Acetone

Concen: 179.528 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

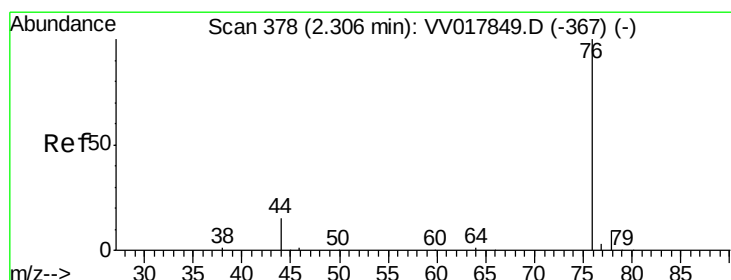
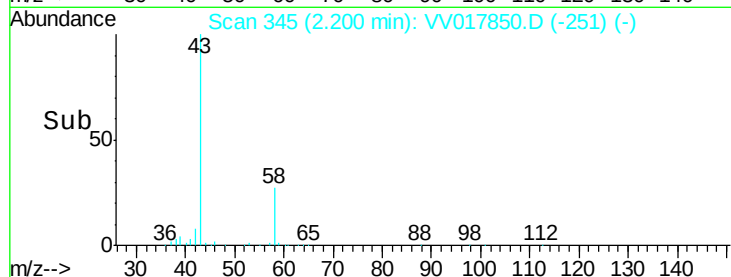
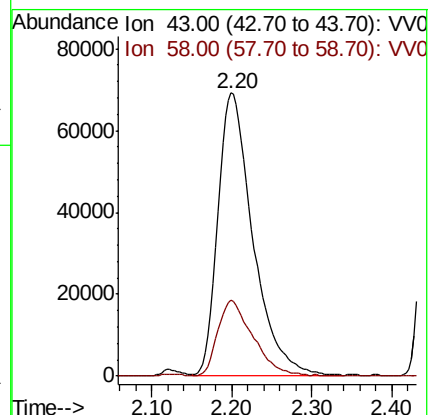
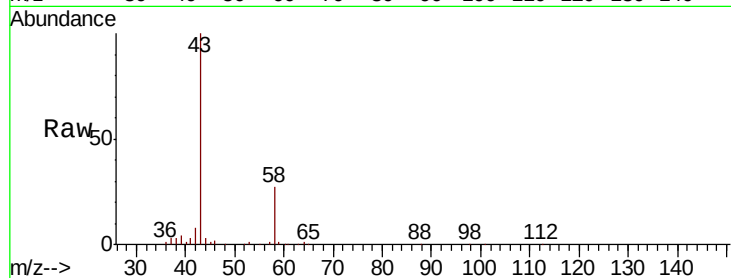
VSTD10065

Tot Ion: 43 Resp: 206815

Ion Ratio Lower Upper

43 100

58 27.2 0.0 54.8



#14

Carbon disulfide

Concen: 84.925 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017850.D

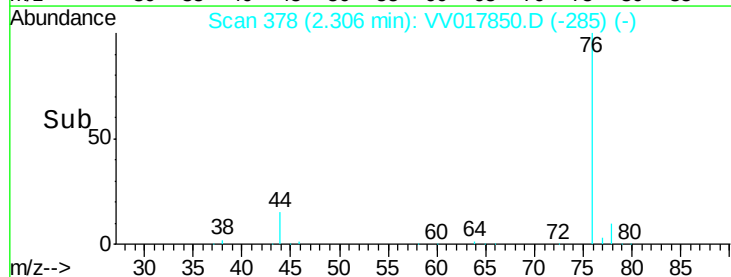
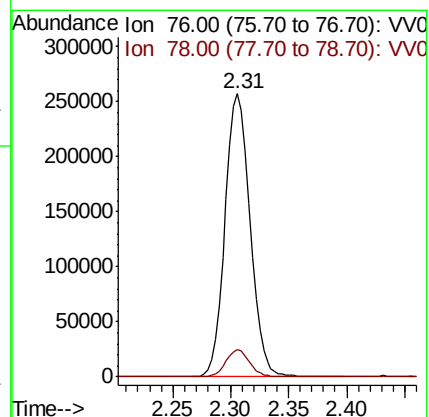
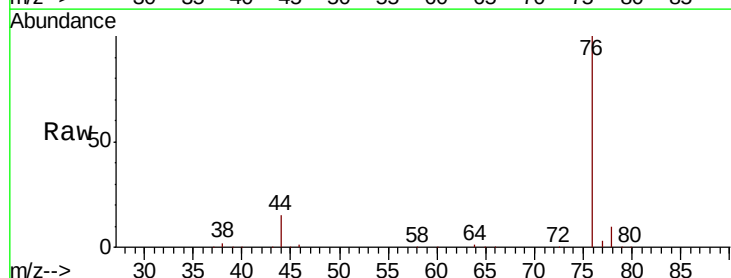
Acq: 08 Aug 2020 12:40

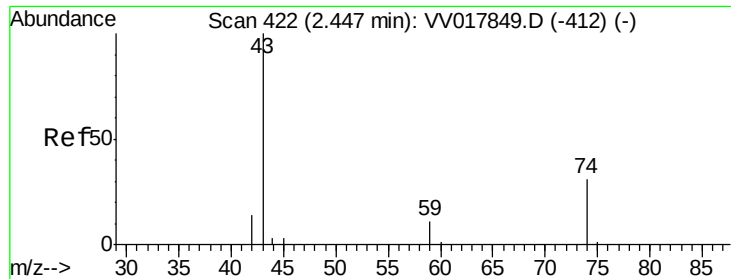
Tgt Ion: 76 Resp: 386513

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4

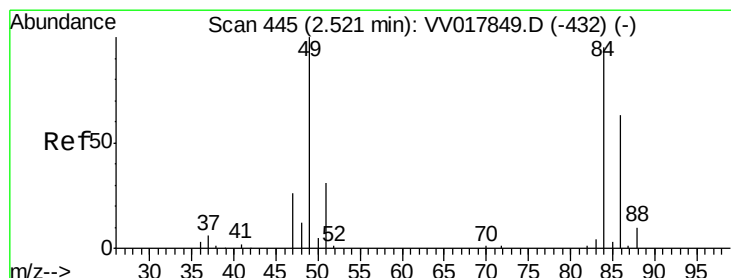
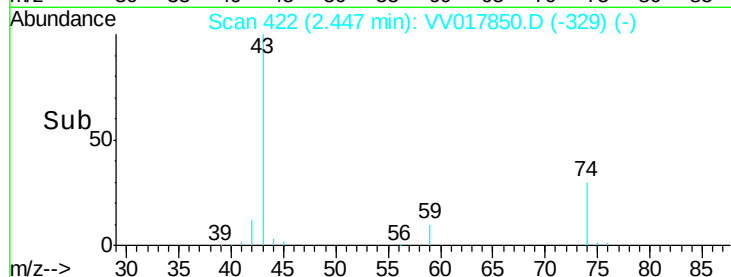
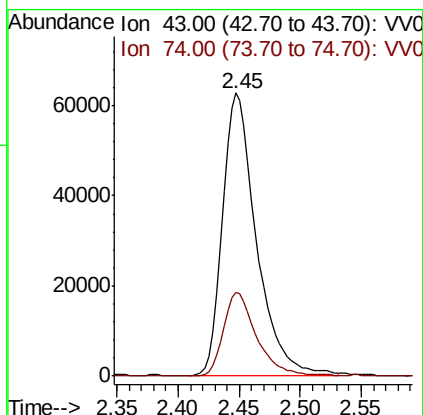
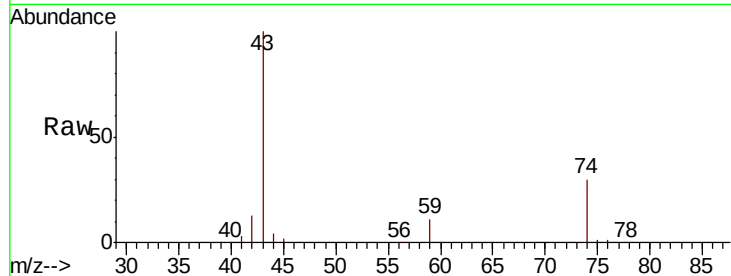




#15
Methvl Acetate
Concen: 81.647 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017850.D
Acq: 08 Aug 2020 12:40

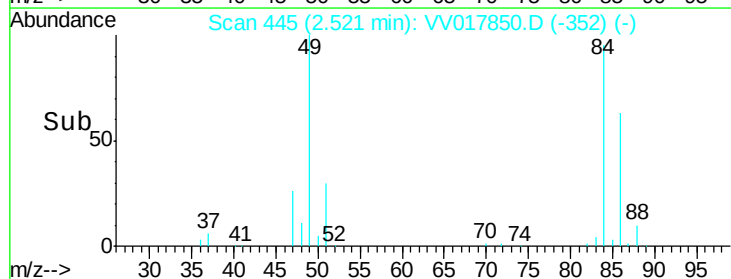
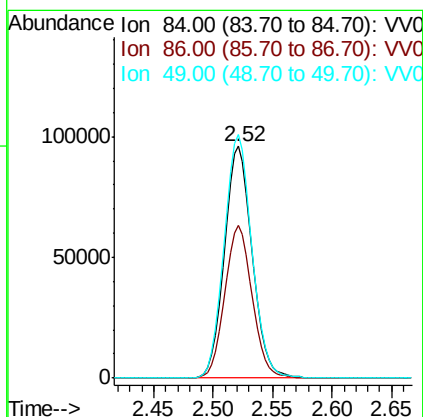
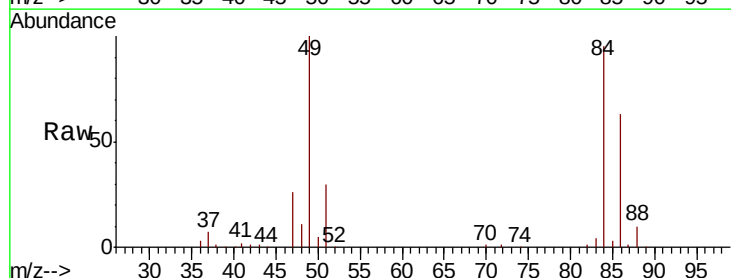
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

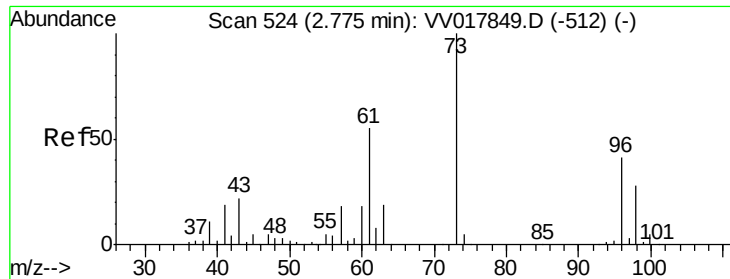
Tot Ion: 43 Resp: 121891
Ion Ratio Lower Upper
43 100
74 29.3 23.0 34.6



#16
Methylene chloride
Concen: 86.831 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017850.D
Acq: 08 Aug 2020 12:40

Tgt Ion: 84 Resp: 155321
Ion Ratio Lower Upper
84 100
86 65.7 46.2 85.8
49 105.2 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 90.699 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

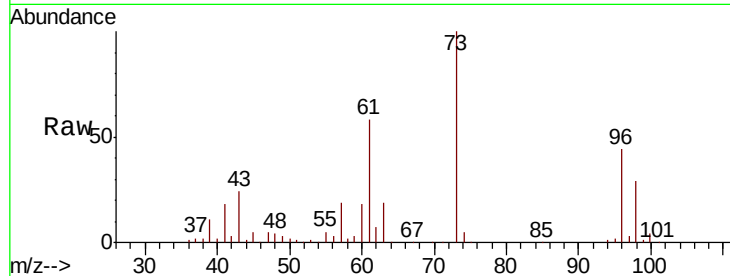
Tot Ion: 96 Resp: 154846

Ion Ratio Lower Upper

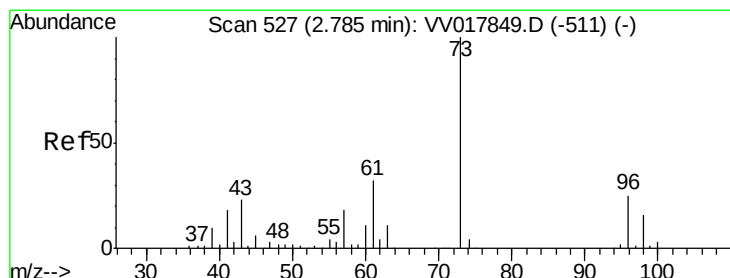
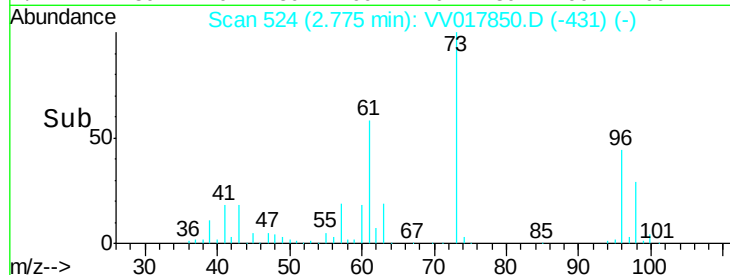
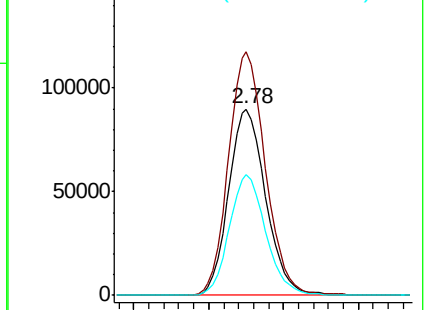
96 100

61 130.5 92.4 171.6

98 65.0 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: 95.250 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

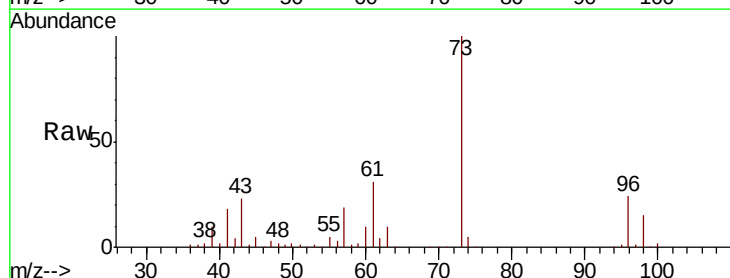
Tgt Ion: 73 Resp: 537768

Ion Ratio Lower Upper

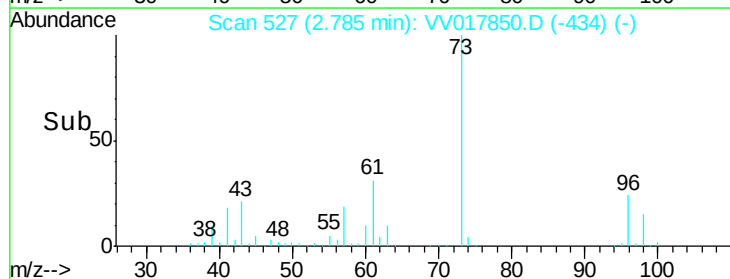
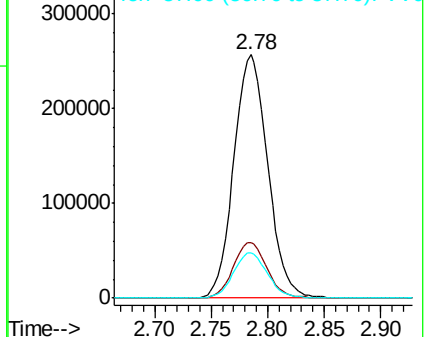
73 100

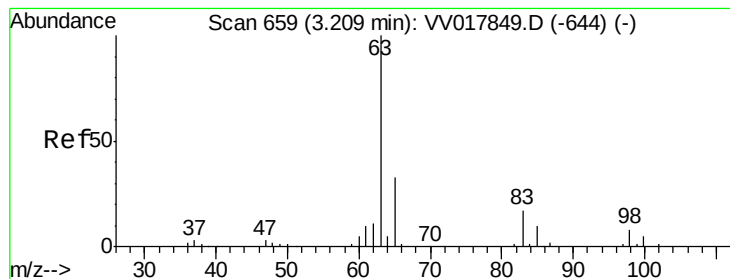
43 22.7 18.1 27.1

57 18.8 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: 87.333 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

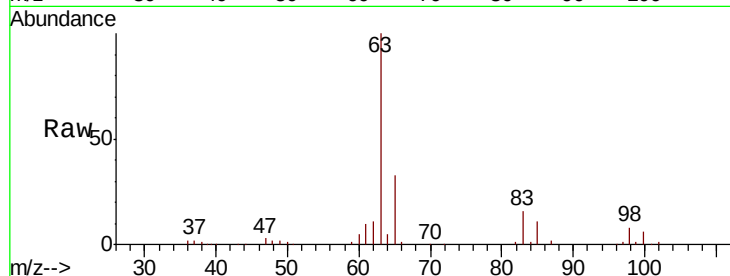
Tot Ion: 63 Resp: 258715

Ion Ratio Lower Upper

63 100

65 33.3 23.4 43.6

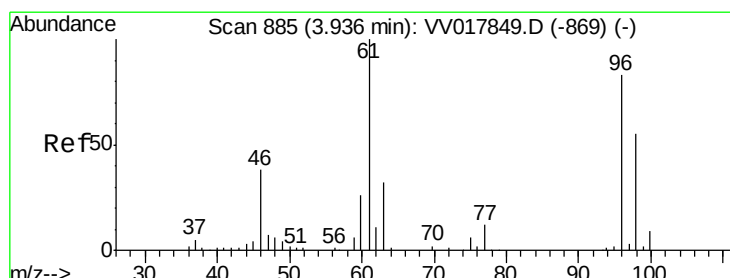
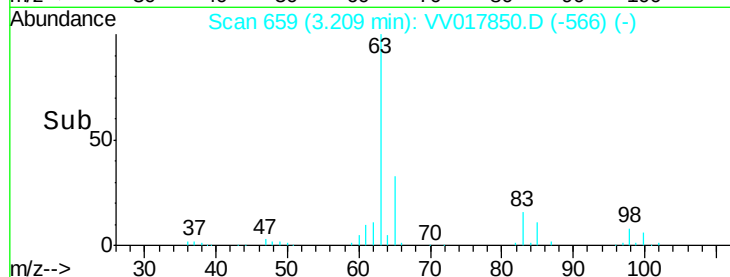
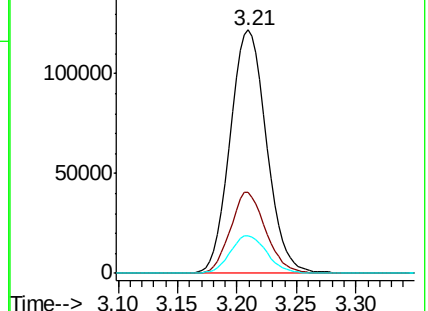
83 15.5 11.5 21.5



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: 92.325 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

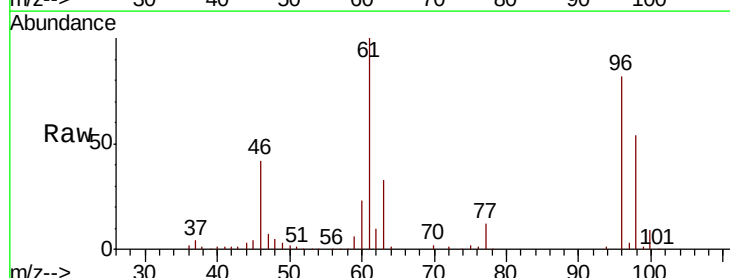
Tgt Ion: 96 Resp: 169507

Ion Ratio Lower Upper

96 100

61 121.4 84.4 156.8

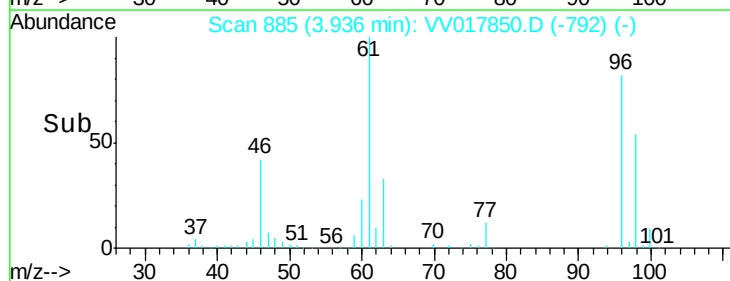
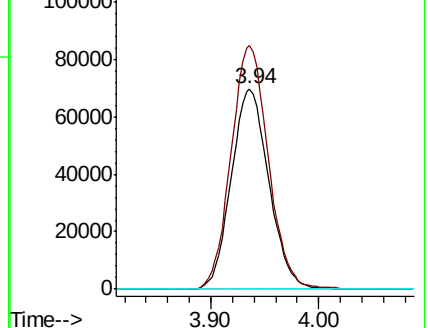
68 0.0 0.0 0.0

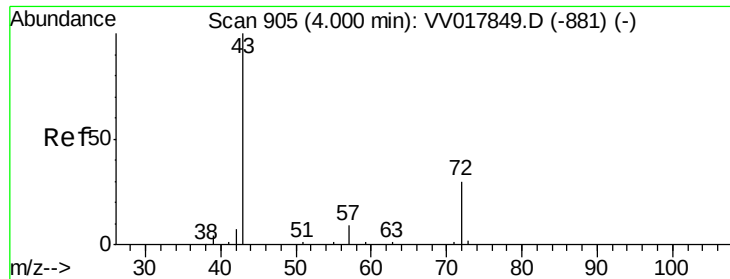


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 182.644 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

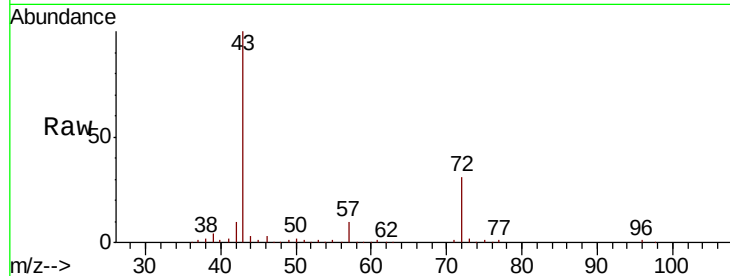
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tot Ion: 43 Resp: 192848

Ion Ratio Lower Upper

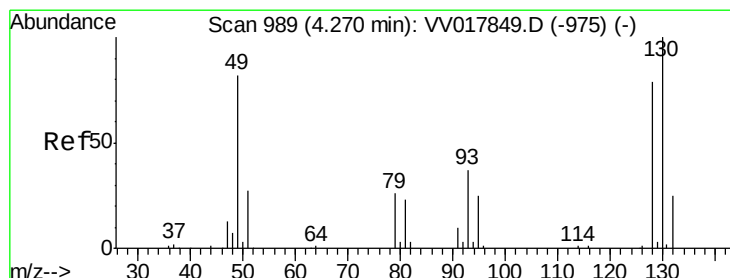
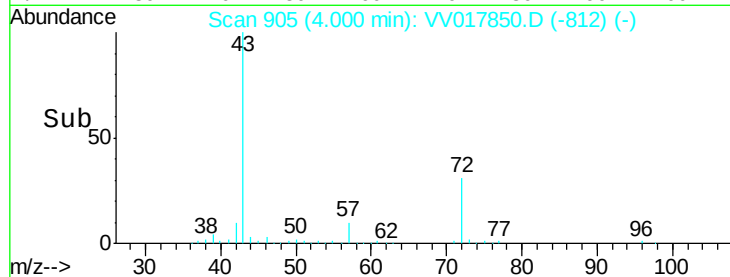
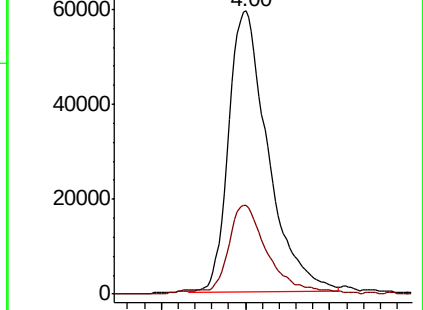
43 100

72 28.6 14.9 44.7



Abundance Ion 43.00 (42.70 to 43.70): VV017849.D (-881) (-)

Ion 72.00 (71.70 to 72.70): VV017849.D (-881) (-)



#23

Bromochloromethane

Concen: 96.495 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Tgt Ion:128 Resp: 101120

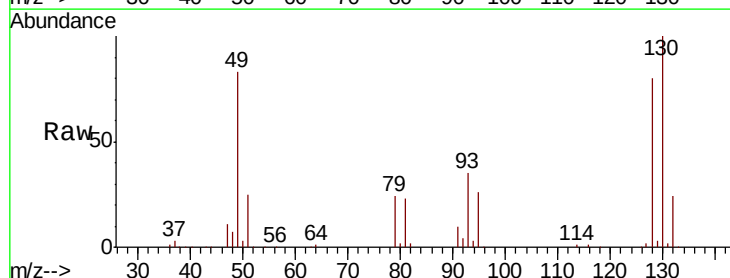
Ion Ratio Lower Upper

128 100

49 103.8 73.7 136.9

130 125.0 89.3 165.9

51 31.5 27.2 40.8

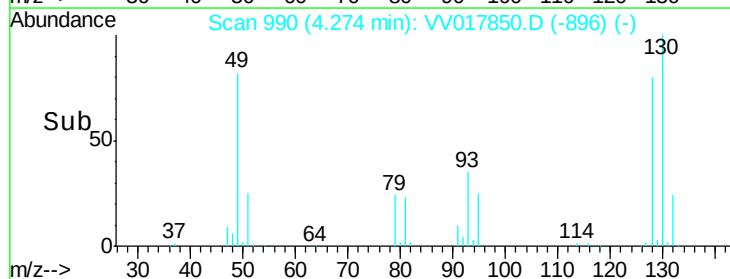
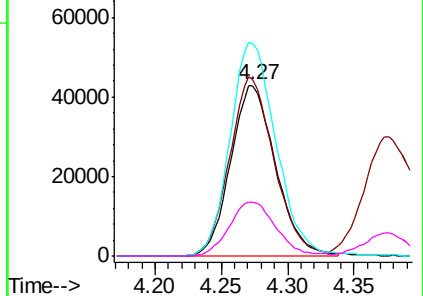


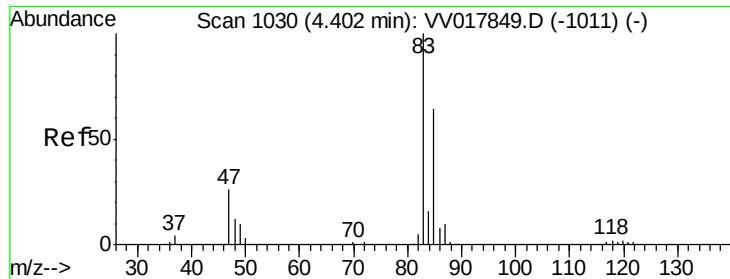
Abundance Ion 128.00 (127.70 to 128.70): VV017849.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017849.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017849.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017849.D (-975) (-)

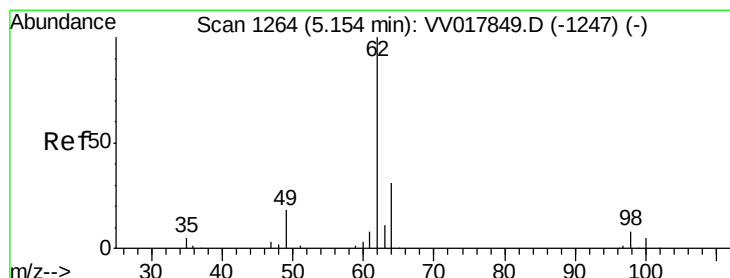
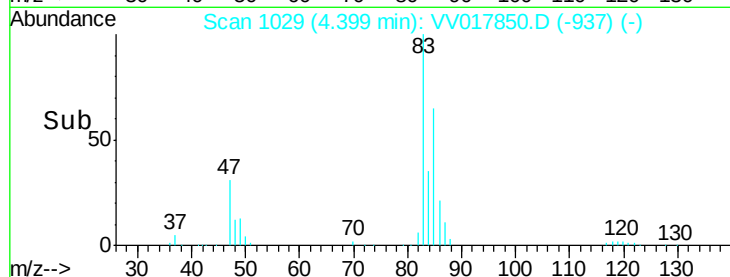
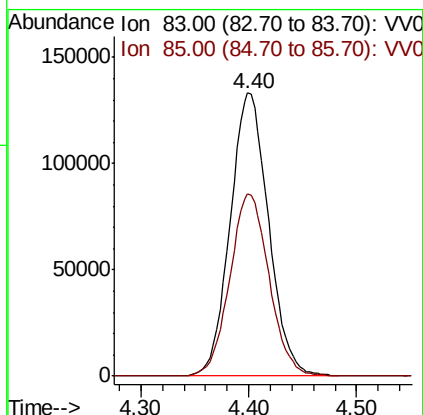
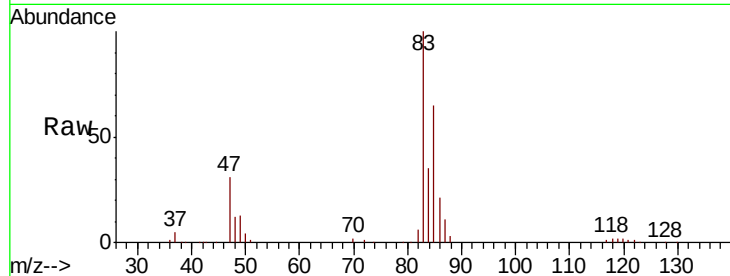




#25
Chloroform
Concen: 94.511 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017850.D
Acq: 08 Aug 2020 12:40

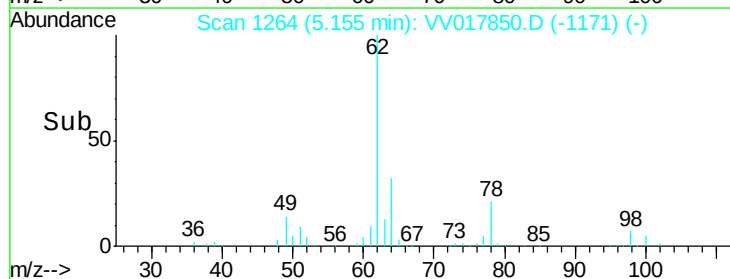
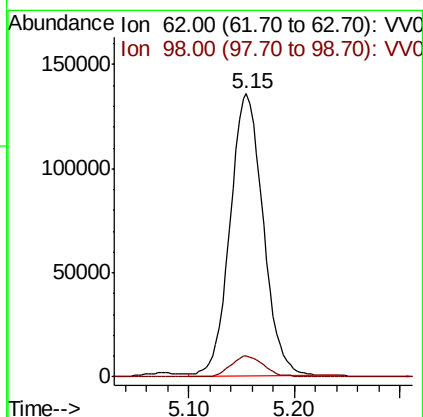
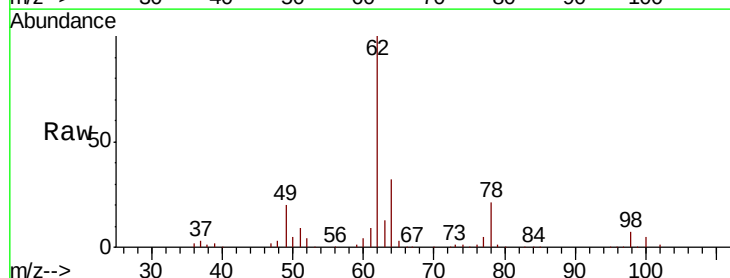
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

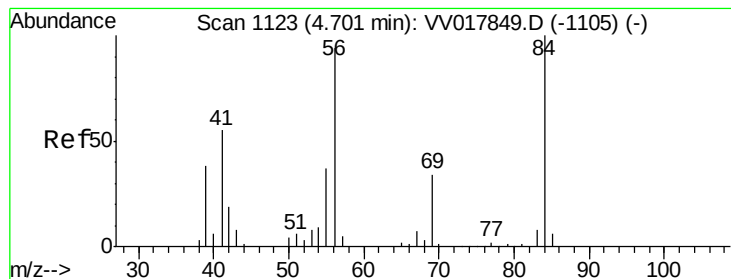
Tot Ion: 83 Resp: 330057
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.5



#27
1,2-Dichloroethane
Concen: 96.015 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017850.D
Acq: 08 Aug 2020 12:40

Tgt Ion: 62 Resp: 295504
Ion Ratio Lower Upper
62 100
98 7.5 6.2 9.4





#29

Cyclohexane

Concen: 83.795 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

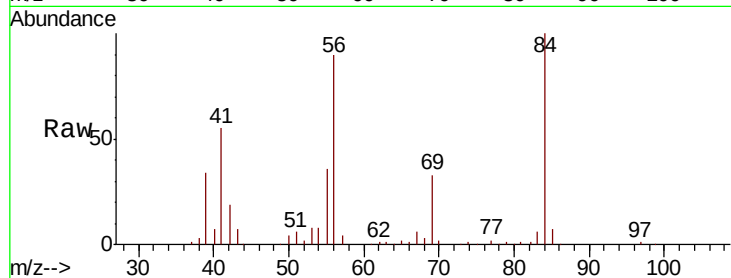
Tot Ion: 56 Resp: 200786

Ion Ratio Lower Upper

56 100

69 36.3 29.6 44.4

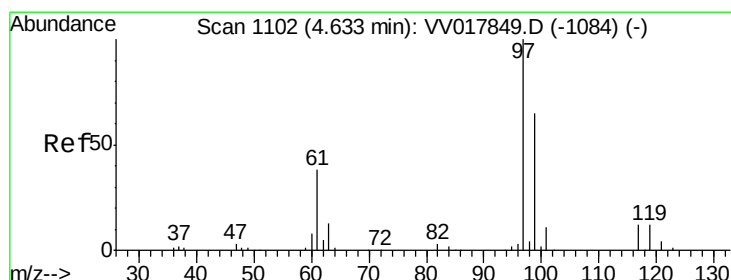
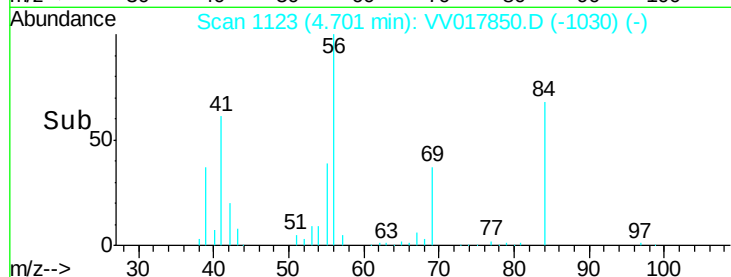
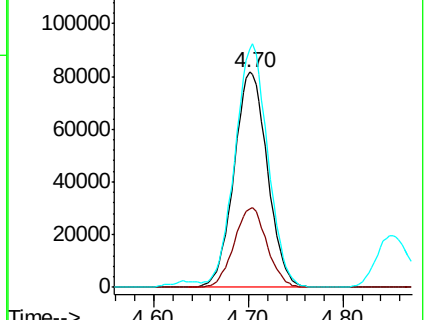
84 111.3 88.5 132.7



Abundance Ion 56.00 (55.70 to 56.70): VV017849.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV017849.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV017849.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 97.735 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

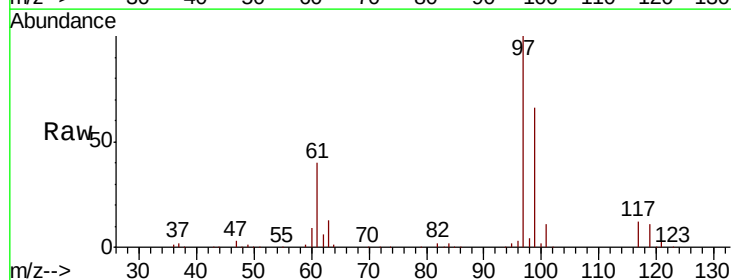
Tgt Ion: 97 Resp: 348000

Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.6

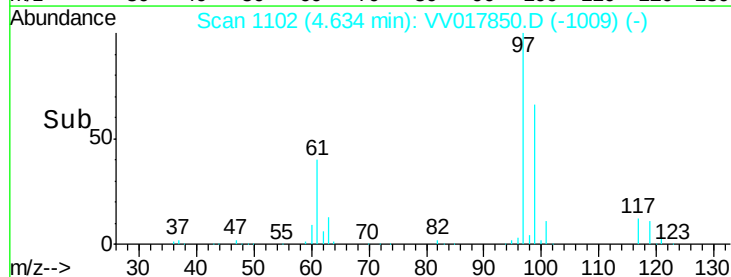
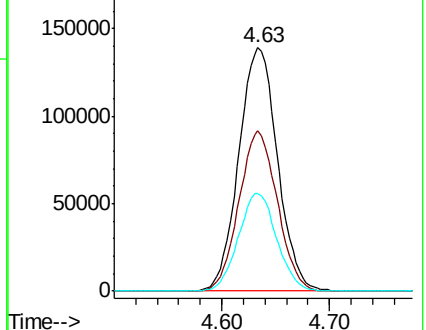
61 39.8 31.5 47.3

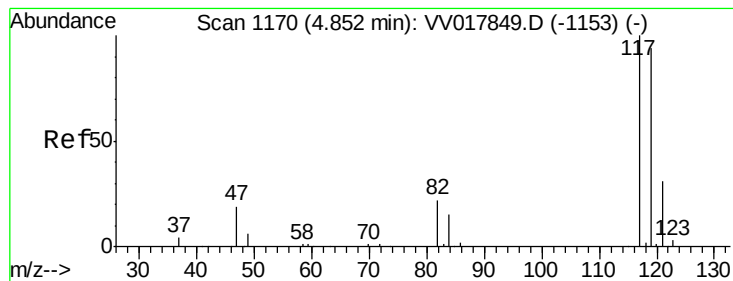


Abundance Ion 97.00 (96.70 to 97.70): VV017849.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV017849.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV017849.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 98.143 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

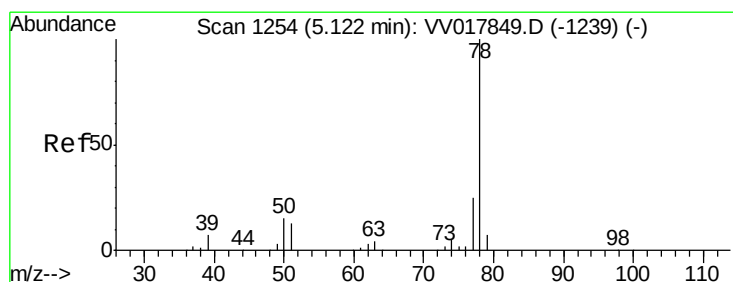
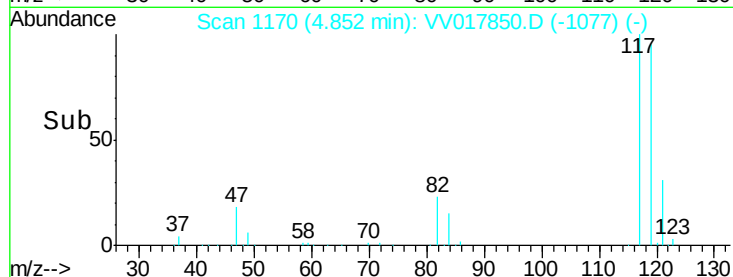
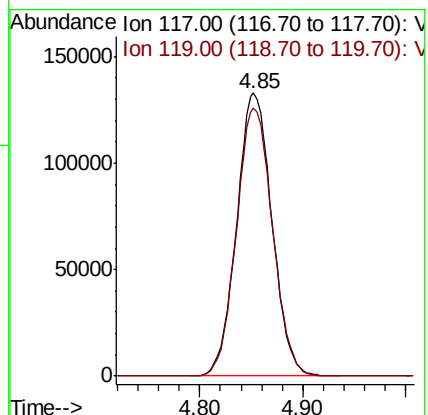
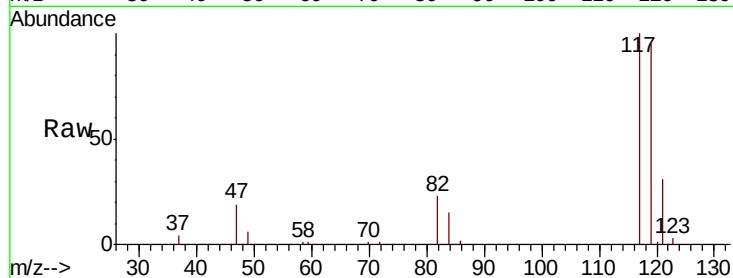
VSTD10065

Tot Ion:117 Resp: 316608

Ion Ratio Lower Upper

117 100

119 96.6 78.2 117.4



#33

Benzene

Concen: 89.707 ug/L

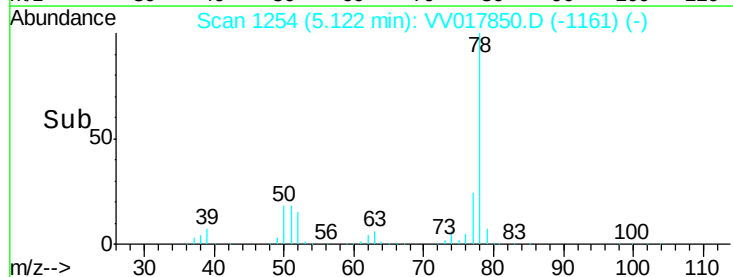
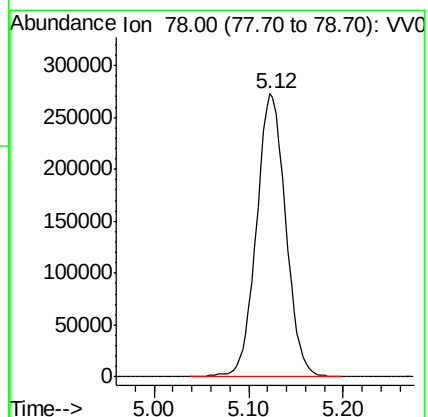
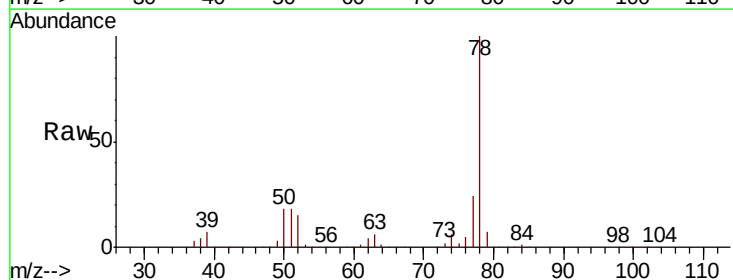
RT: 5.12 min Scan# 1254

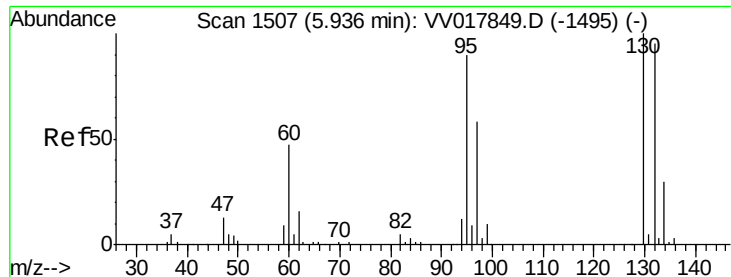
Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Tgt Ion: 78 Resp: 586767

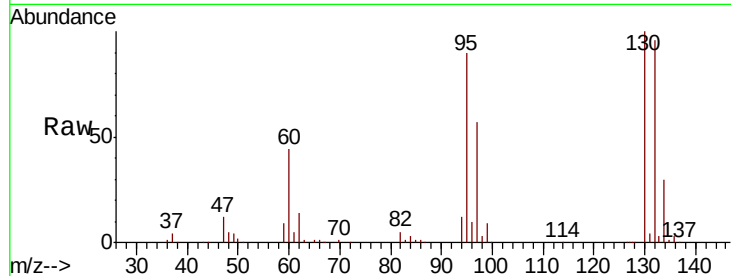




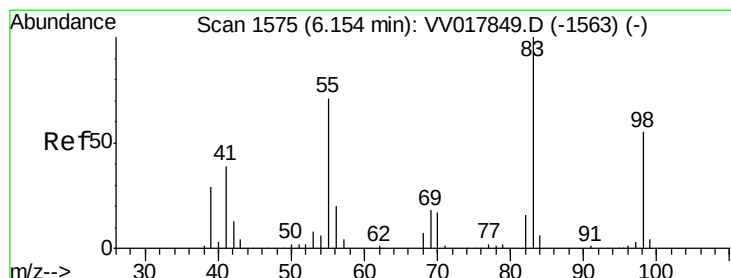
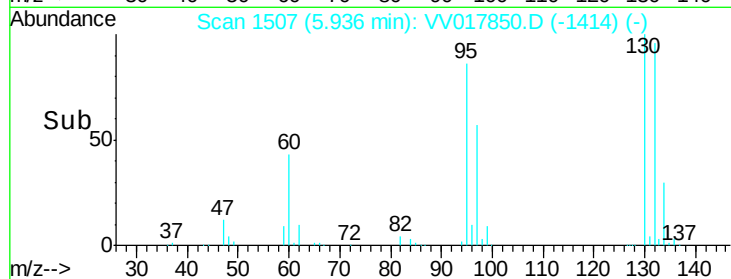
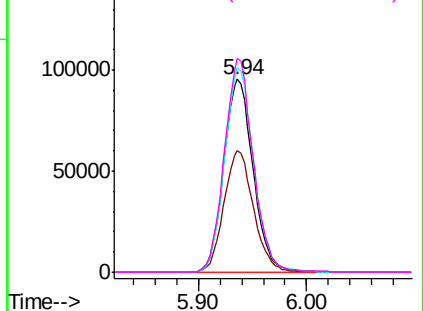
#34
 Trichloroethene
 Concen: 95.689 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tot Ion:	95	Resp:	180595
Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.7	83.1
132	105.7	73.6	136.8
130	110.5	77.6	144.0

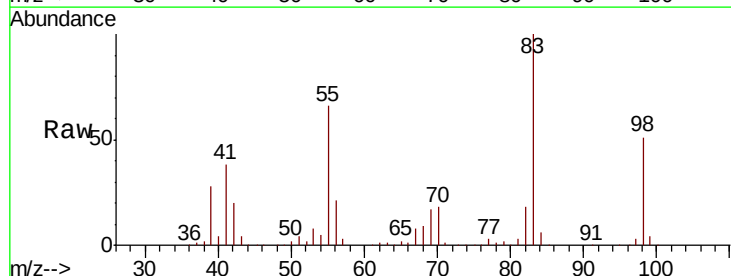


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

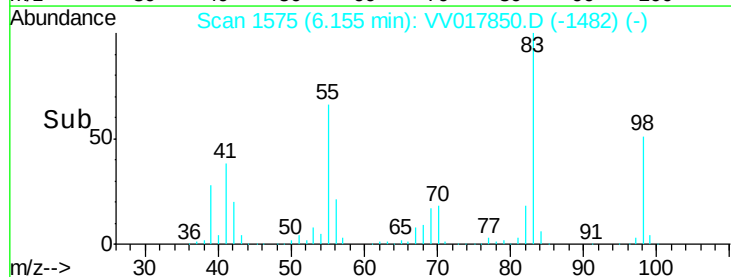
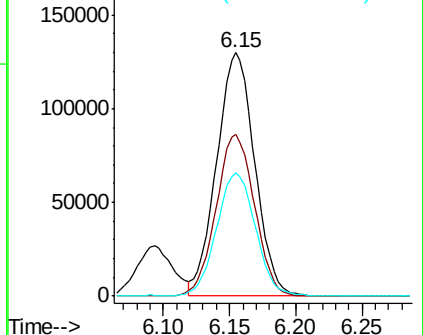


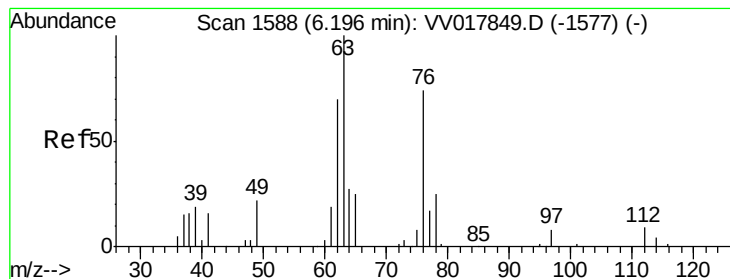
#35
 Methylcyclohexane
 Concen: 94.309 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

Tgt Ion:	83	Resp:	259326
Ion	Ratio	Lower	Upper
83	100		
55	67.1	54.6	82.0
98	51.8	41.1	61.7



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: 86.470 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

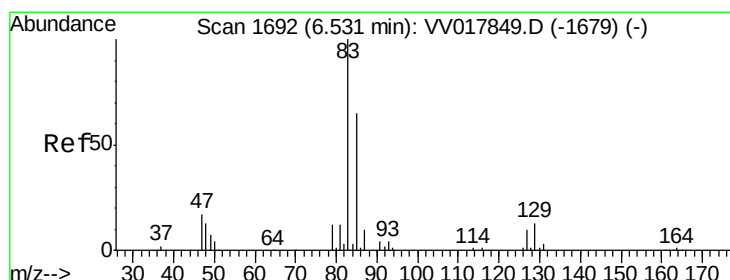
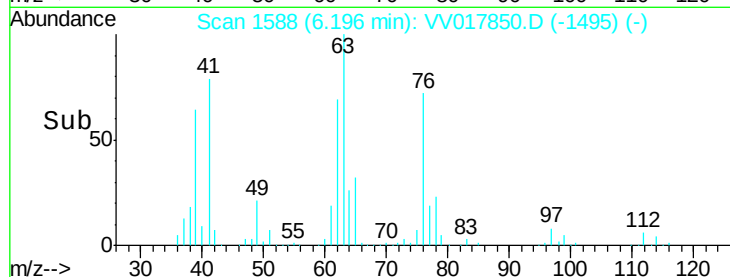
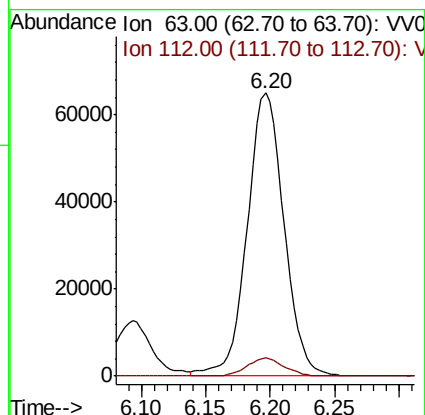
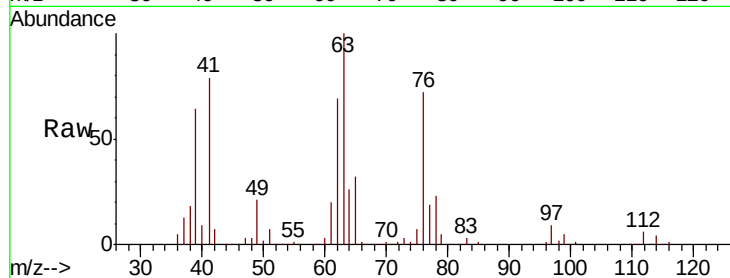
VSTD10065

Tot Ion: 63 Resp: 128343

Ion Ratio Lower Upper

63 100

112 6.5 5.8 8.6



#38

Bromodichloromethane

Concen: 89.839 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

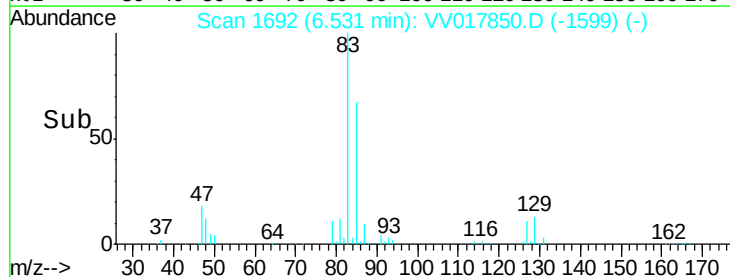
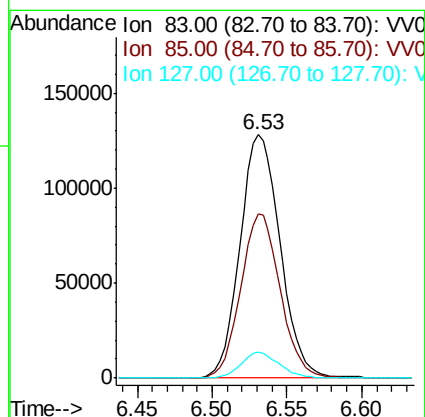
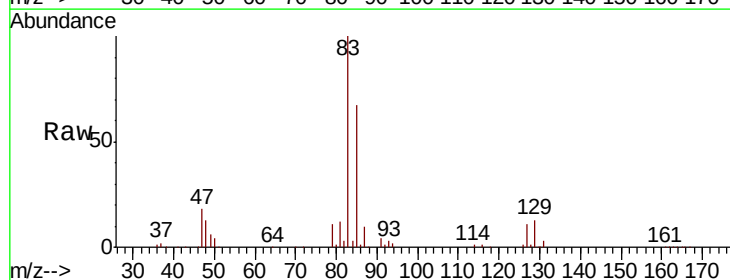
Tgt Ion: 83 Resp: 239227

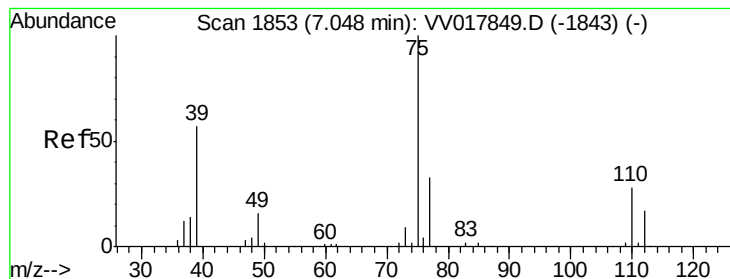
Ion Ratio Lower Upper

83 100

85 67.4 45.4 84.2

127 10.7 7.8 11.8



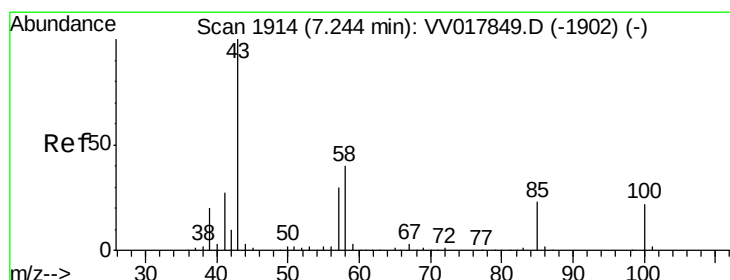
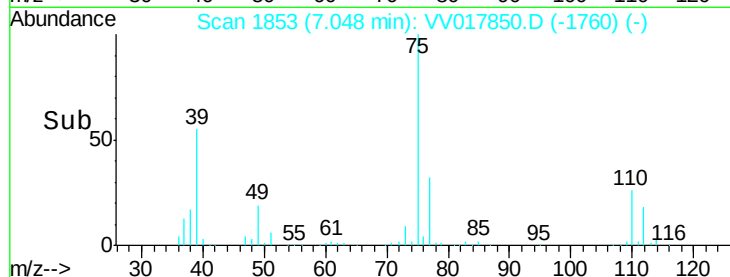
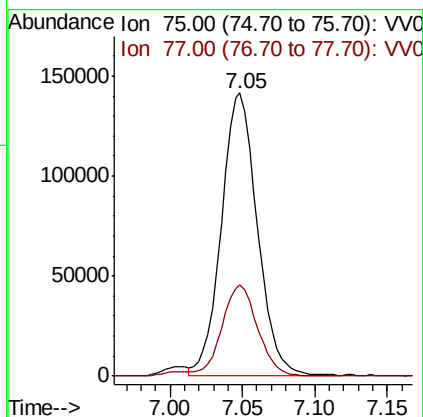
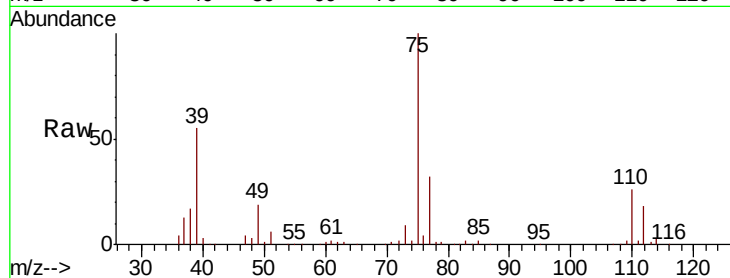


#39

cis-1,3-Dichloropropene
Concen: 89.800 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV017850.D
Acq: 08 Aug 2020 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

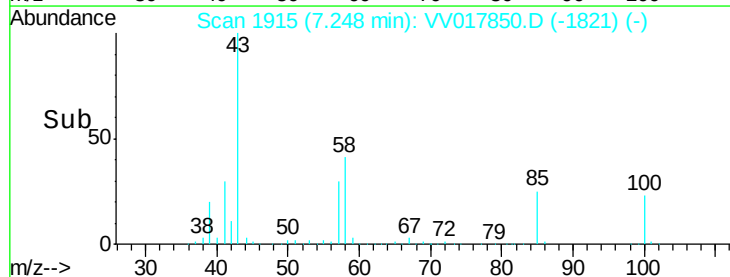
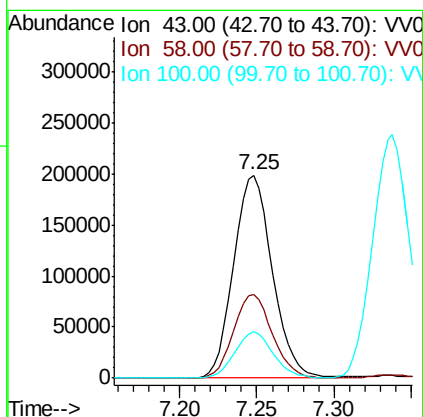
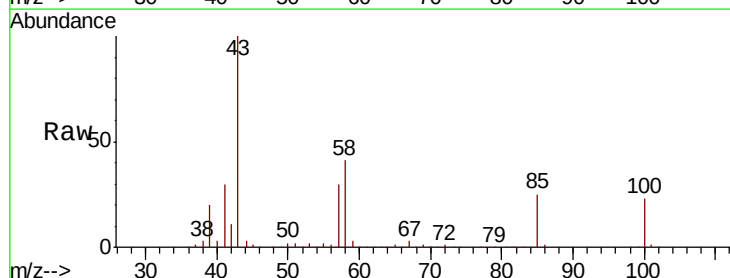
Tot Ion: 75 Resp: 244346
Ion Ratio Lower Upper
75 100
77 32.3 23.7 44.1

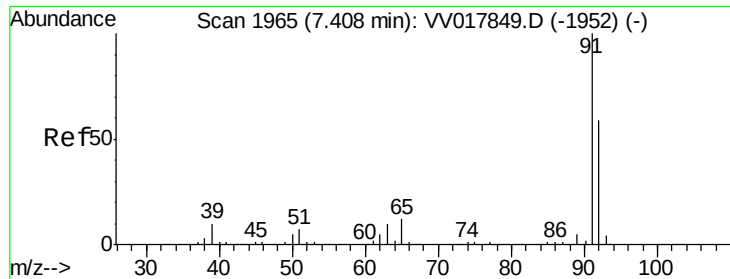


#40

4-Methyl-2-pentanone
Concen: 171.893 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV017850.D
Acq: 08 Aug 2020 12:40

Tgt Ion: 43 Resp: 346728
Ion Ratio Lower Upper
43 100
58 41.4 32.3 48.5
100 22.4 17.4 26.0





#42

Toluene

Concen: 94.755 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

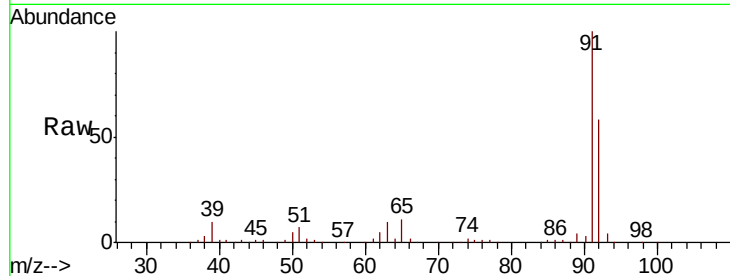
VSTD10065

Tot Ion: 91 Resp: 692164

Ion Ratio Lower Upper

91 100

92 58.4 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV017849.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV017849.D (-1952) (-)

7.41

400000

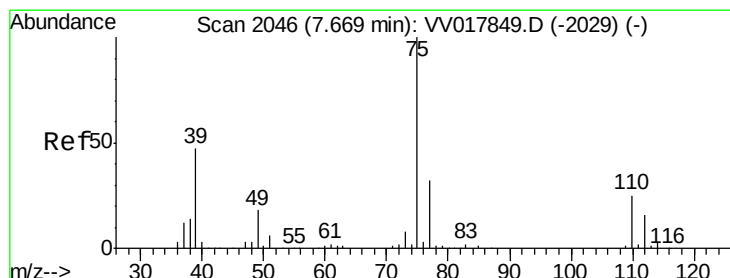
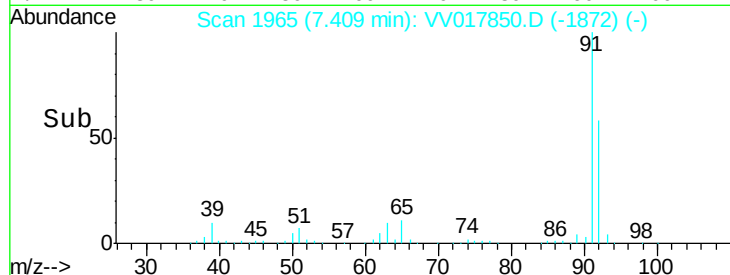
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 96.316 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017850.D

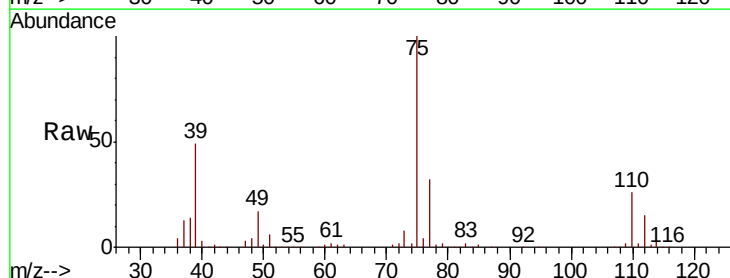
Acq: 08 Aug 2020 12:40

Tgt Ion: 75 Resp: 269248

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV017849.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV017849.D (-2029) (-)

7.67

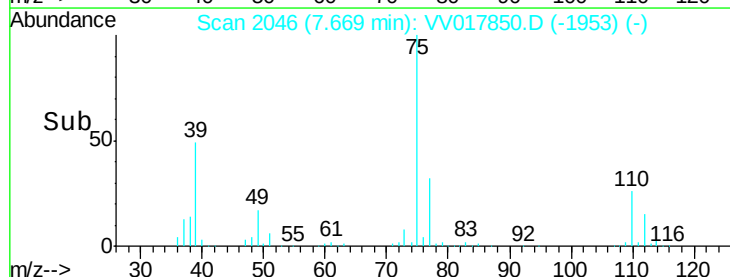
150000

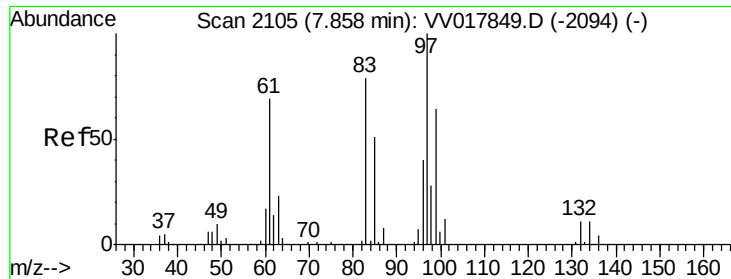
100000

50000

0

Time-->

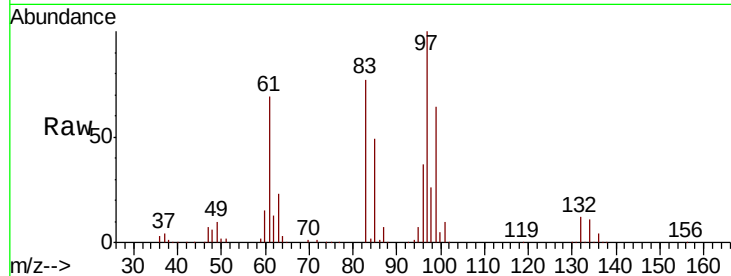




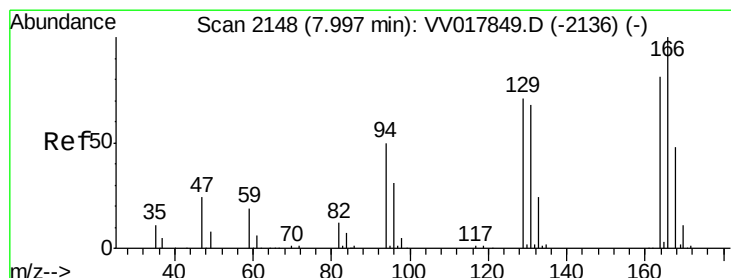
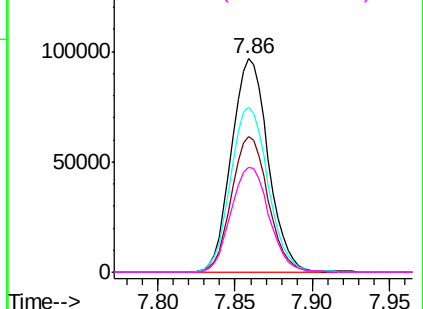
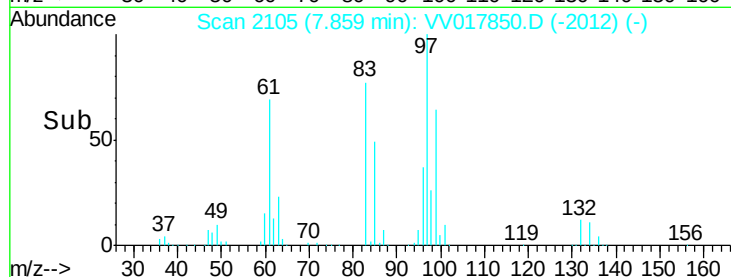
#45
 1,1,2-Trichloroethane
 Concen: 92.789 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tot Ion:	97	Resp:	159678
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.7	82.9
83	77.4	55.7	103.5
85	49.4	35.4	65.8

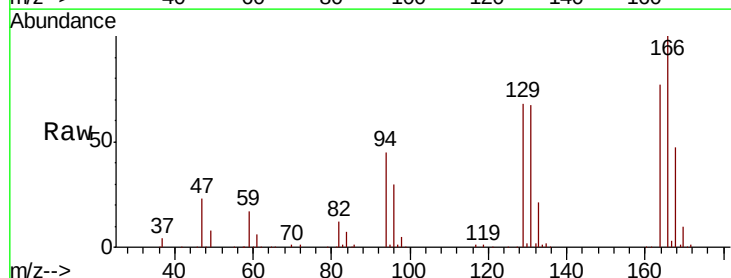


Abundance Ion 97.00 (96.70 to 97.70): VV017850.D (-2012) (-)

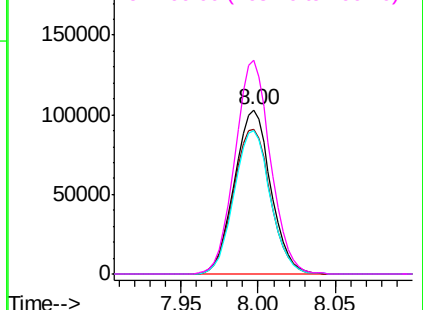
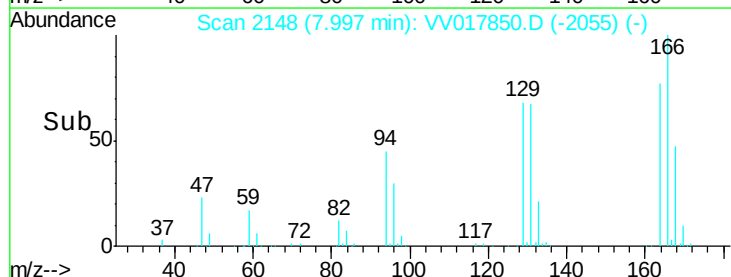


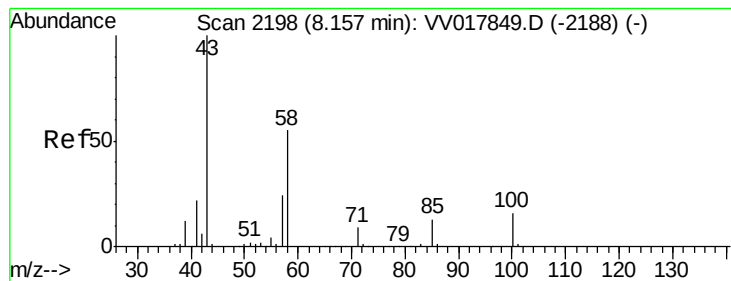
#46
 Tetrachloroethene
 Concen: 99.292 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

Tgt Ion:	164	Resp:	168515
Ion	Ratio	Lower	Upper
164	100		
129	88.0	61.6	114.4
131	87.4	59.6	110.8
166	130.0	87.2	161.9



Abundance Ion 164.00 (163.70 to 164.70): VV017850.D (-2055) (-)





#48

2-Hexanone

Concen: 174.040 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tot Ion: 43 Resp: 282505

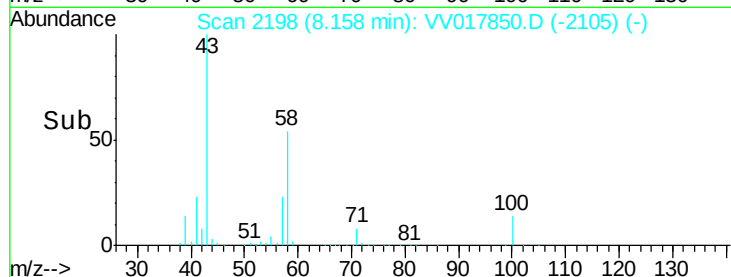
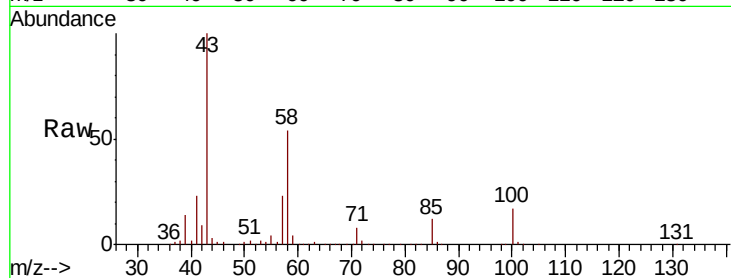
Ion Ratio Lower Upper

43 100

58 55.7 43.8 65.8

57 23.0 18.0 27.0

100 16.9 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VV017850.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV017850.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV017850.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV017850.D (-2105) (-)

Time-->

8.16

250000

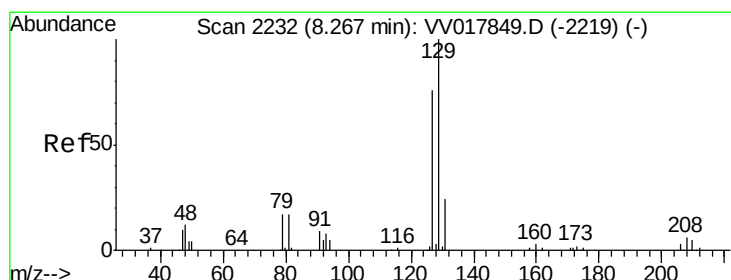
200000

150000

100000

50000

0



#49

Dibromochloromethane

Concen: 90.534 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017850.D

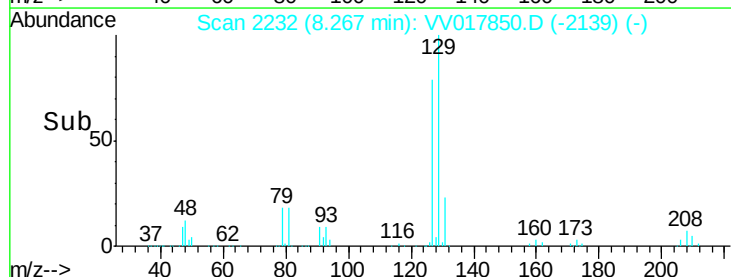
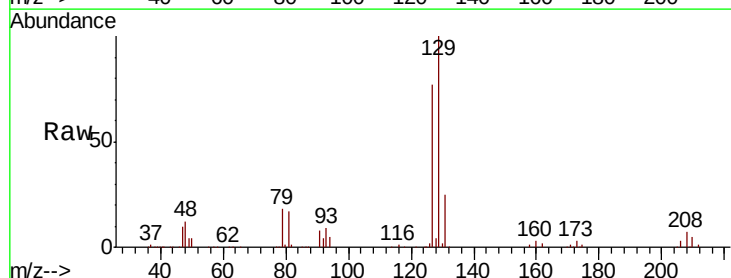
Acq: 08 Aug 2020 12:40

Tgt Ion: 129 Resp: 198824

Ion Ratio Lower Upper

129 100

127 77.5 53.1 98.5



Abundance Ion 129.00 (128.70 to 129.70): VV017850.D (-2139) (-)

Ion 127.00 (126.70 to 127.70): VV017850.D (-2139) (-)

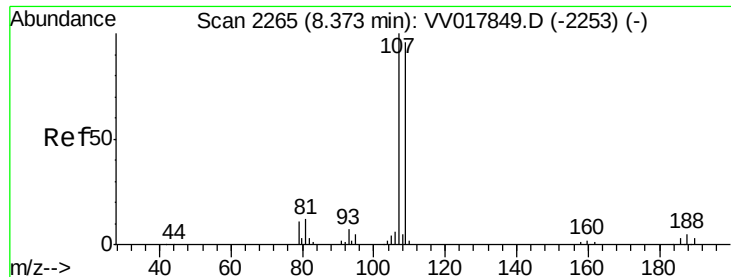
Time-->

8.27

100000

50000

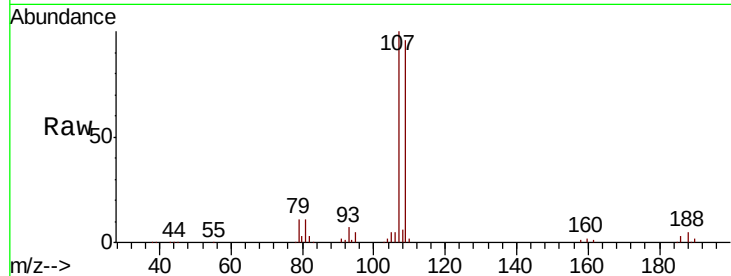
0



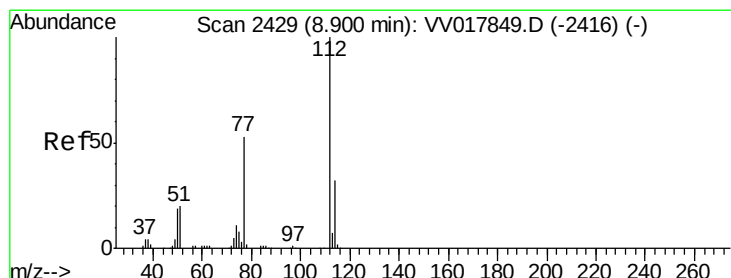
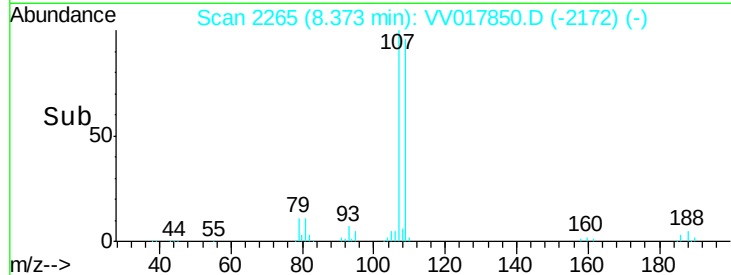
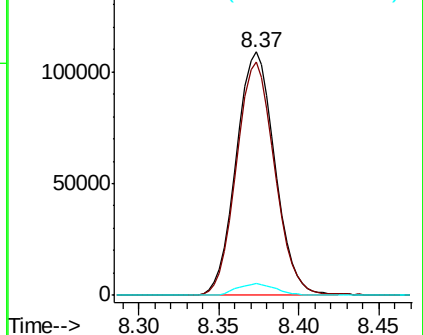
#50
 1,2-Dibromoethane
 Concen: 95.395 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	67.3	125.1
188	4.7	4.3	6.5

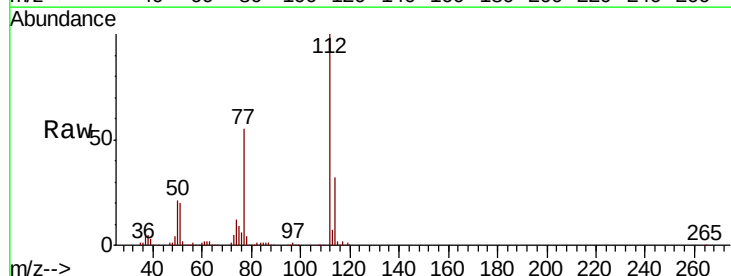


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

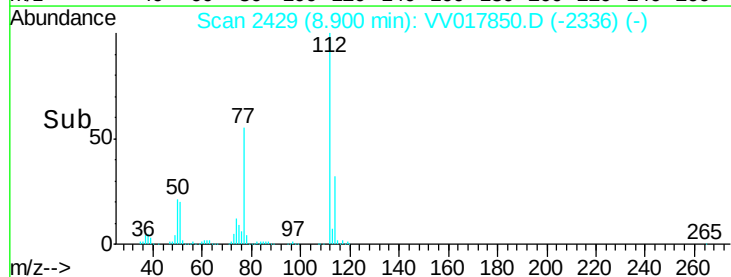
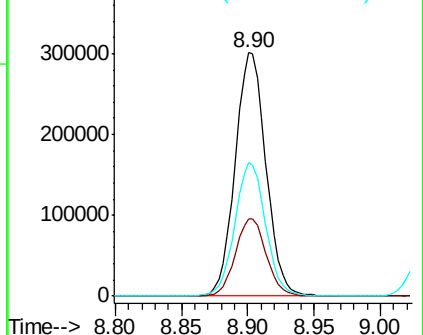


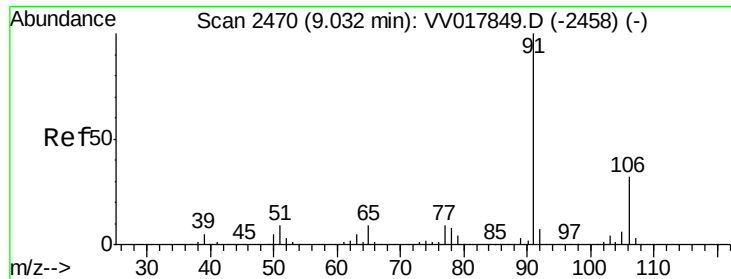
#51
 Chlorobenzene
 Concen: 95.936 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.4	41.6
77	54.6	42.7	64.1



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 97.022 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

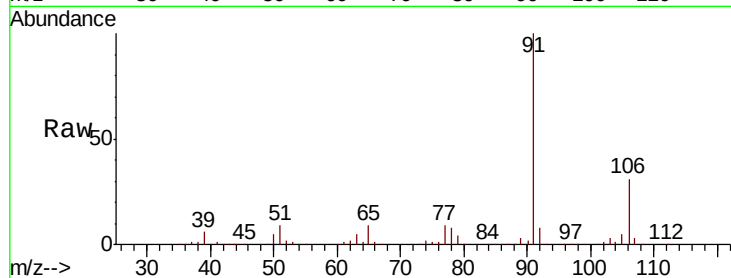
VSTD10065

Tot Ion: 91 Resp: 817258

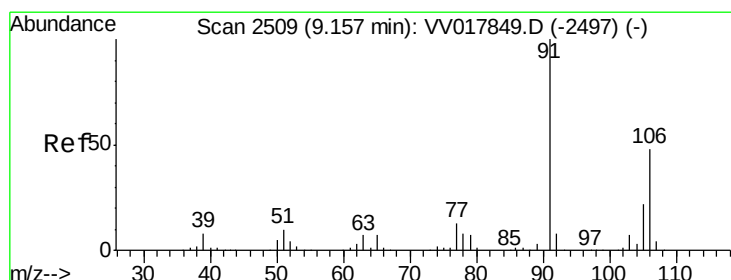
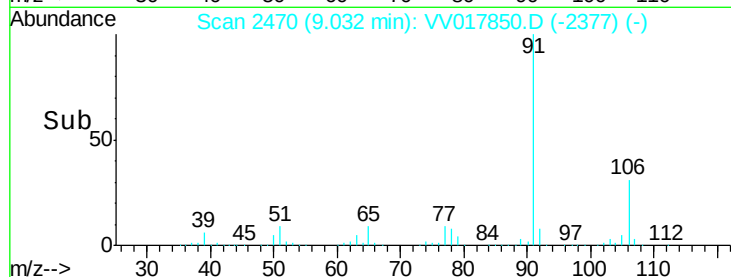
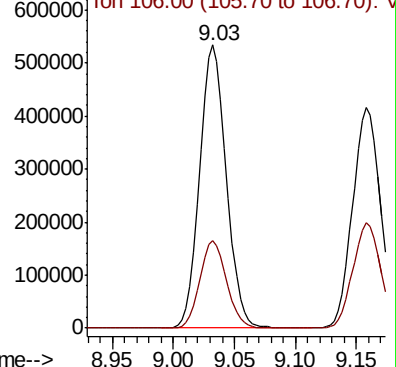
Ion Ratio Lower Upper

91 100

106 30.9 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV017850.D (-2377) (-)



#53

m,p-Xylene

Concen: 97.762 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017850.D

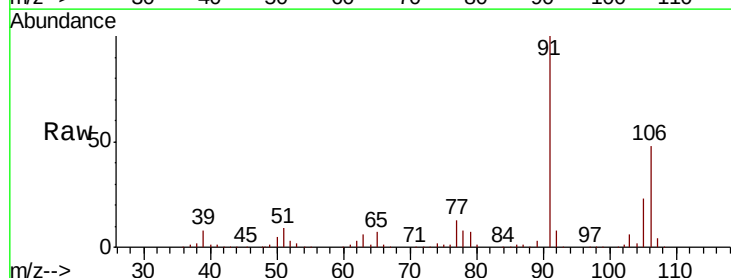
Acq: 08 Aug 2020 12:40

Tgt Ion: 106 Resp: 315570

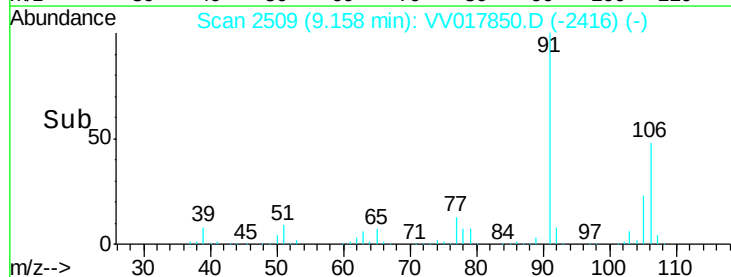
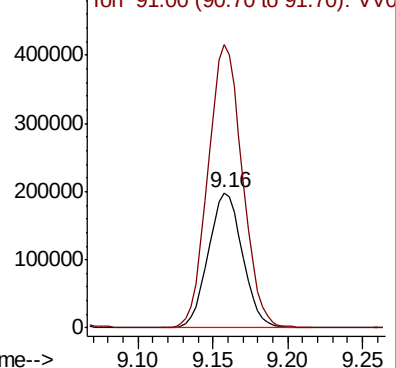
Ion Ratio Lower Upper

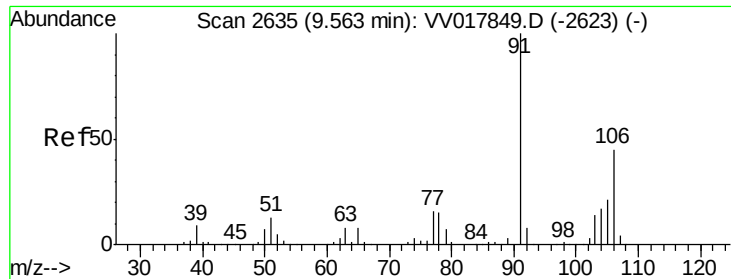
106 100

91 209.4 146.4 272.0



Abundance Ion 106.00 (105.70 to 106.70): VV017850.D (-2416) (-)

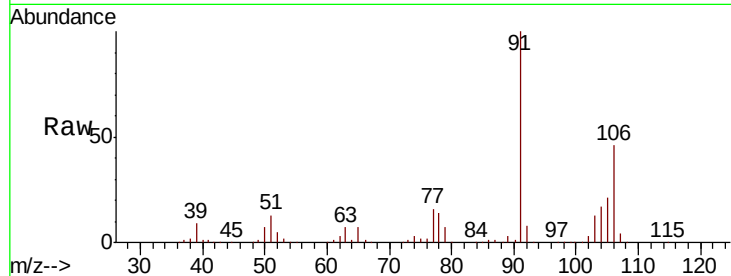




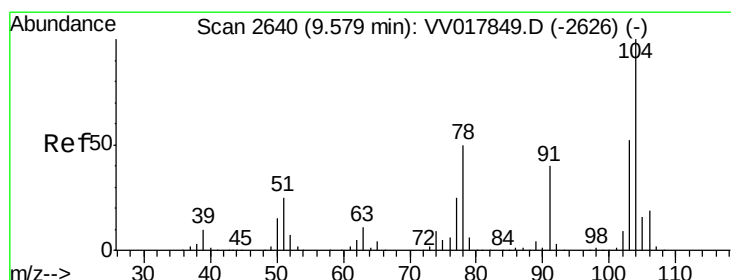
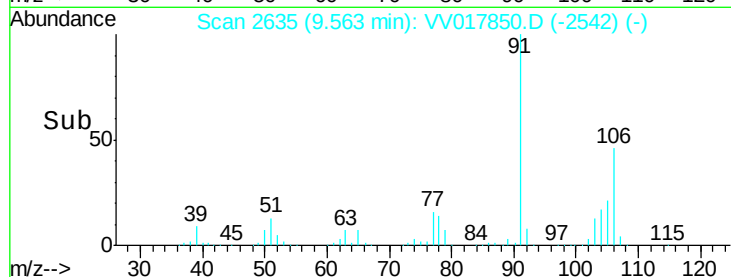
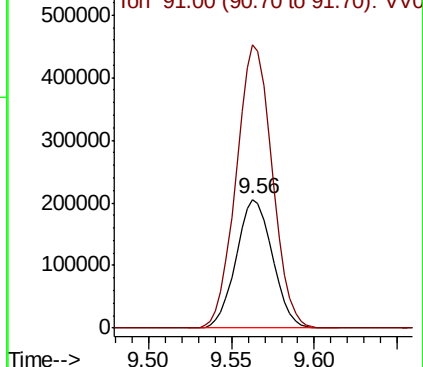
#54
o-xylene
Concen: 100.360 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017850.D
Acq: 08 Aug 2020 12:40

Instrument :
MSVOA_V
ClientSampled :
VSTD10065

Tot Ion:106 Resp: 313358
Ion Ratio Lower Upper
106 100
91 219.6 155.2 288.2

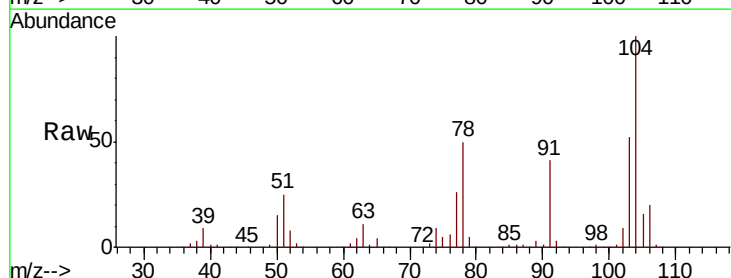


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

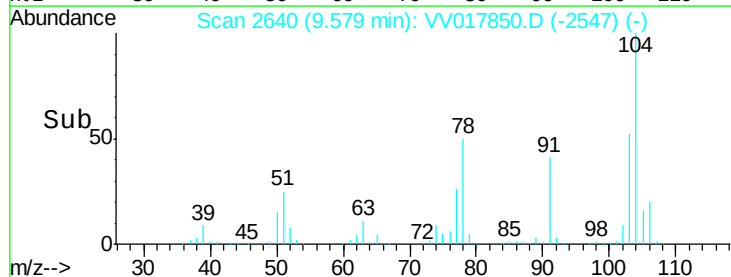
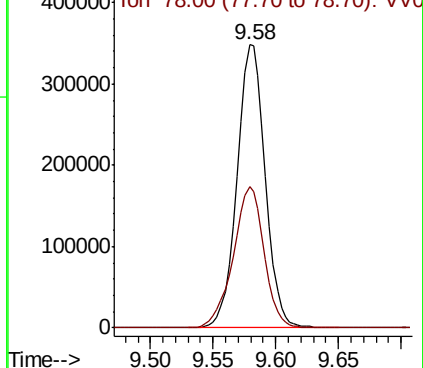


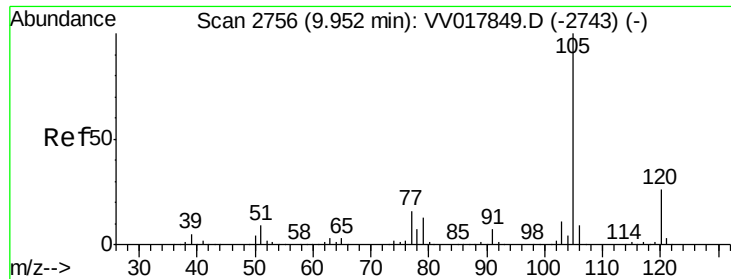
#55
Styrene
Concen: 100.108 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV017850.D
Acq: 08 Aug 2020 12:40

Tgt Ion:104 Resp: 542768
Ion Ratio Lower Upper
104 100
78 49.7 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: 101.169 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

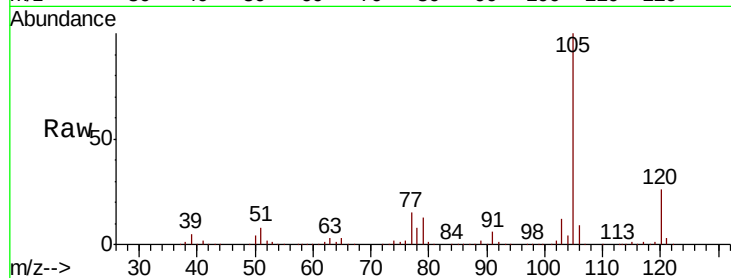
Tot Ion:105 Resp: 867397

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

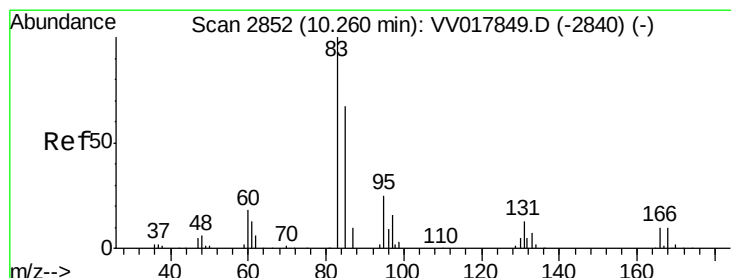
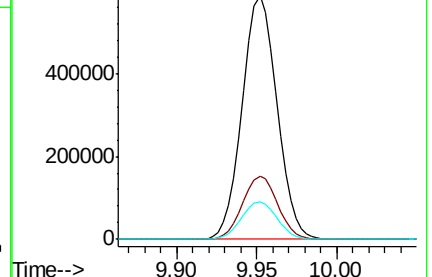
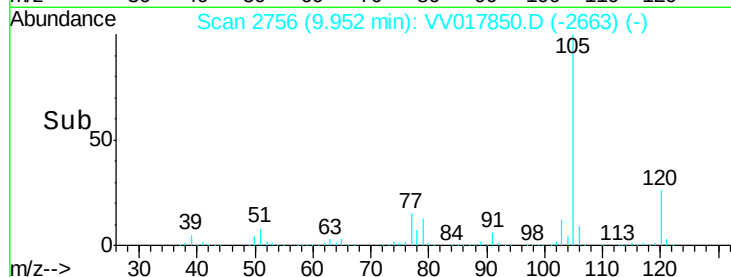
77 15.9 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): VV017849.D (-2743) (-)

Ion 120.00 (119.70 to 120.70): VV017849.D (-2743) (-)

Ion 77.00 (76.70 to 77.70): VV017849.D (-2743) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 91.007 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

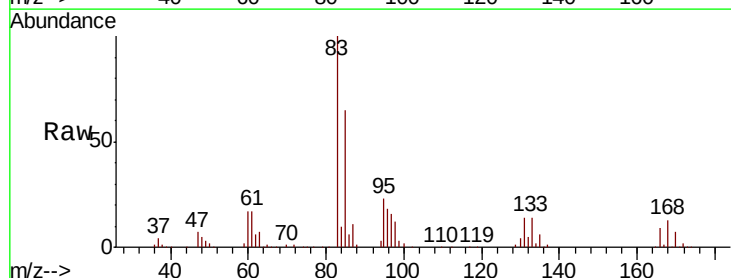
Tgt Ion: 83 Resp: 225585

Ion Ratio Lower Upper

83 100

85 64.8 47.5 88.1

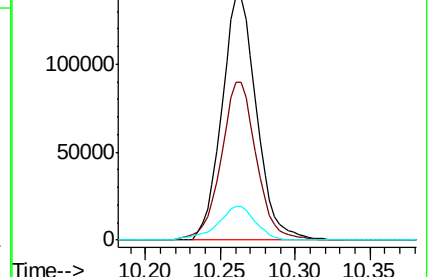
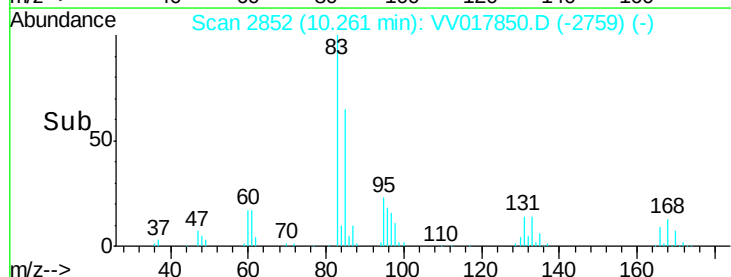
131 14.1 11.1 16.7

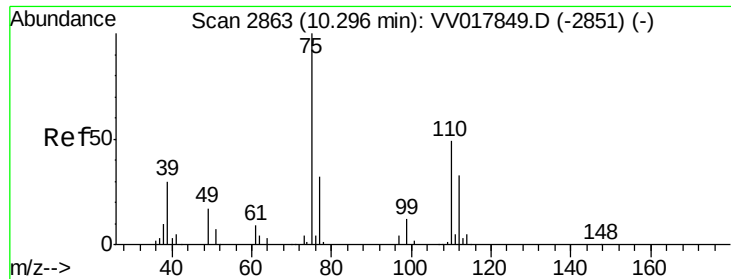


Abundance Ion 83.00 (82.70 to 83.70): VV017849.D (-2840) (-)

Ion 85.00 (84.70 to 85.70): VV017849.D (-2840) (-)

Ion 131.00 (130.70 to 131.70): VV017849.D (-2840) (-)

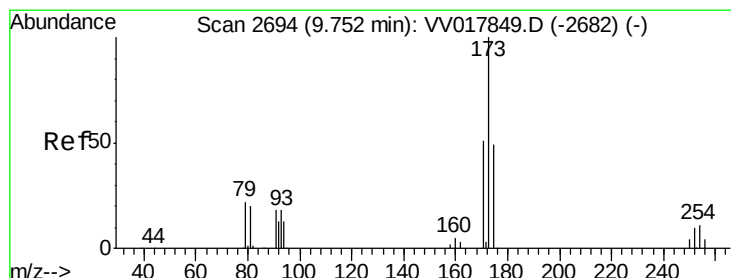
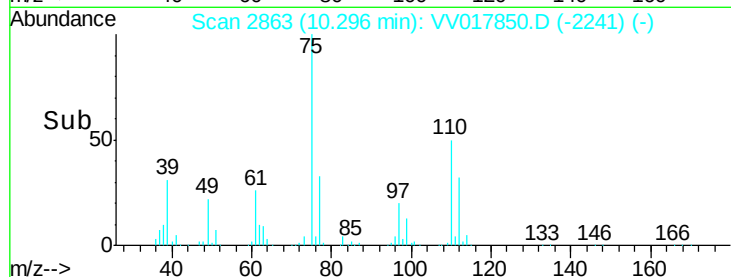
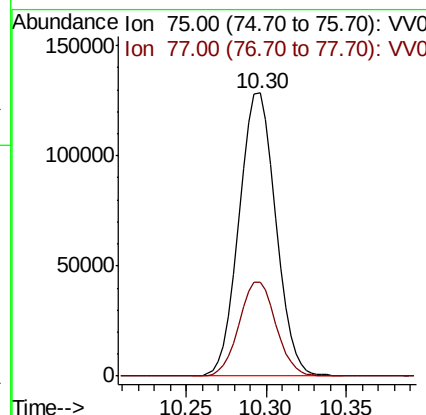
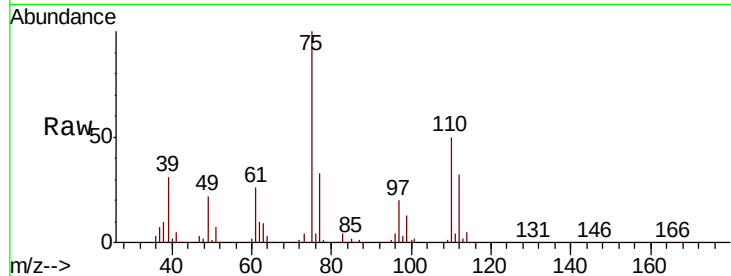




#59
 1,2,3-Trichloropropane
 Concen: 91.502 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

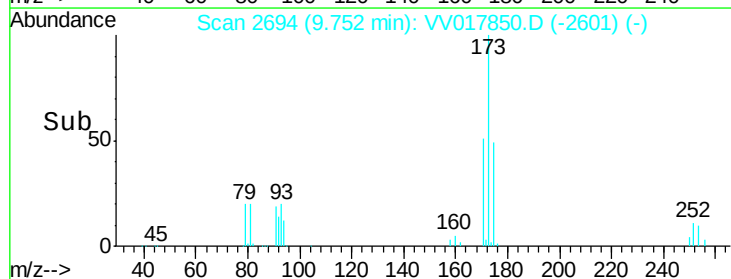
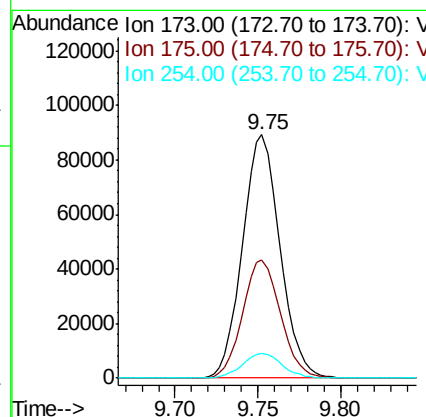
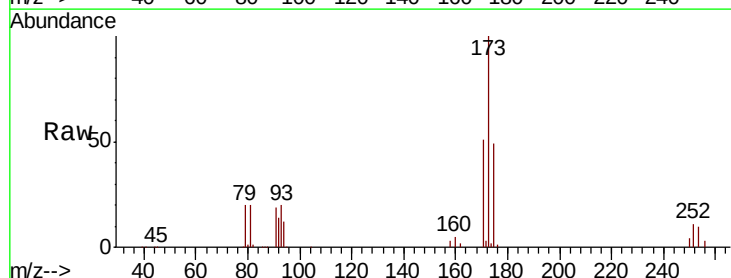
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10065

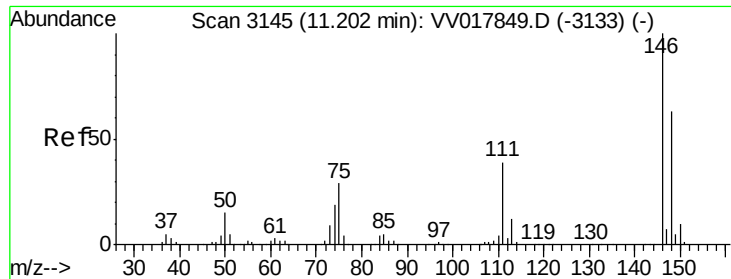
Tot Ion: 75 Resp: 200418
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.4 39.6



#61
 Bromoform
 Concen: 84.526 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

Tgt Ion: 173 Resp: 140805
 Ion Ratio Lower Upper
 173 100
 175 48.9 40.6 60.8
 254 10.7 8.2 12.2





#62

1,3-Dichlorobenzene

Concen: 97.513 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

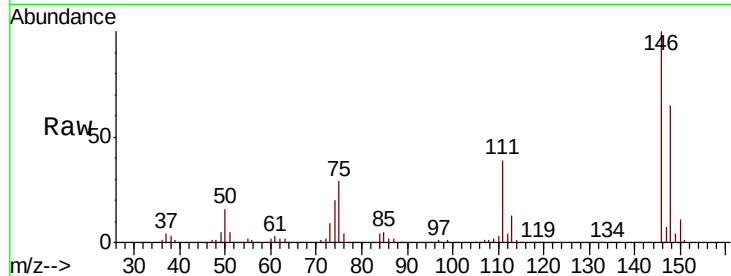
Tot Ion:146 Resp: 446199

Ion Ratio Lower Upper

146 100

111 38.9 27.1 50.3

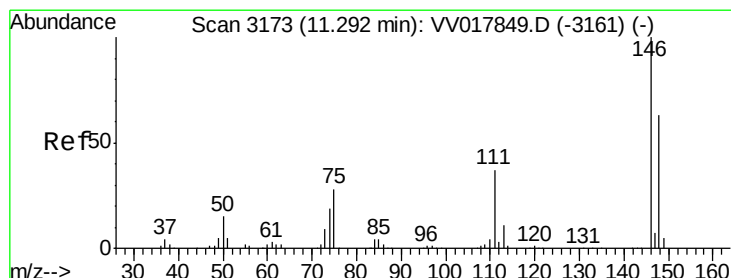
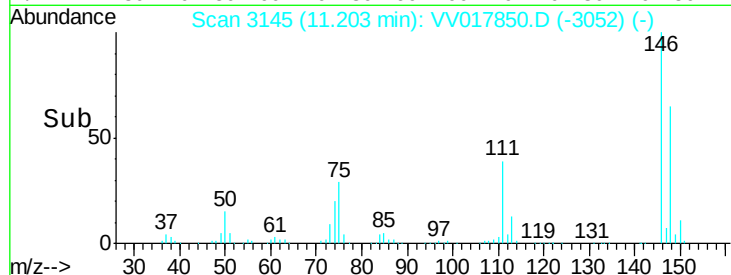
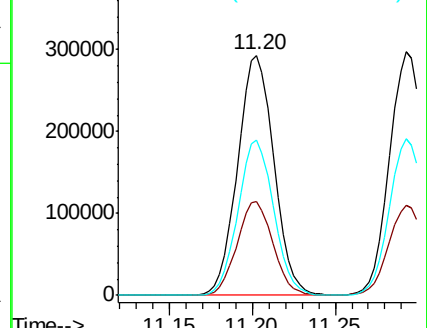
148 64.6 43.8 81.4



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: 96.490 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

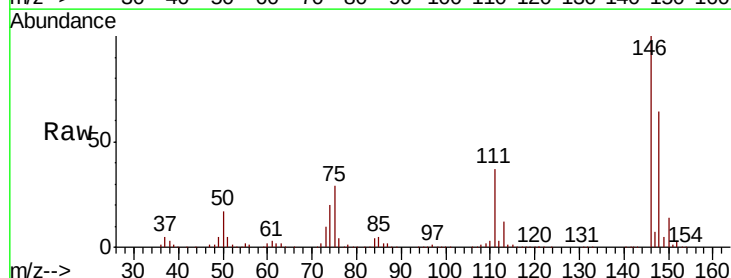
Tgt Ion:146 Resp: 447174

Ion Ratio Lower Upper

146 100

111 37.1 26.2 48.8

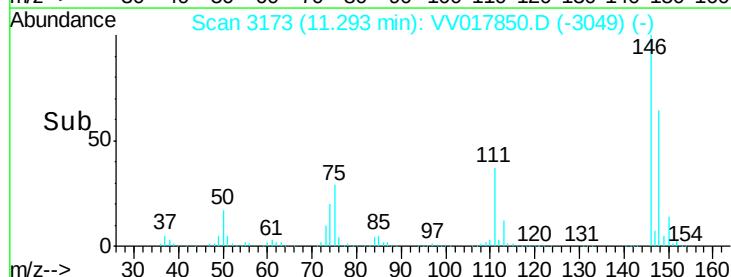
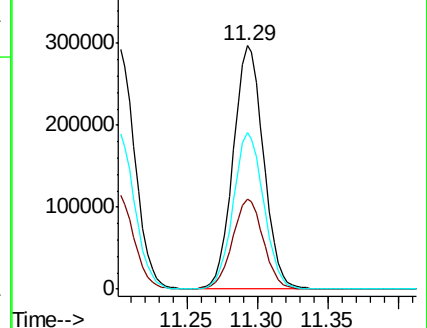
148 64.4 44.3 82.3

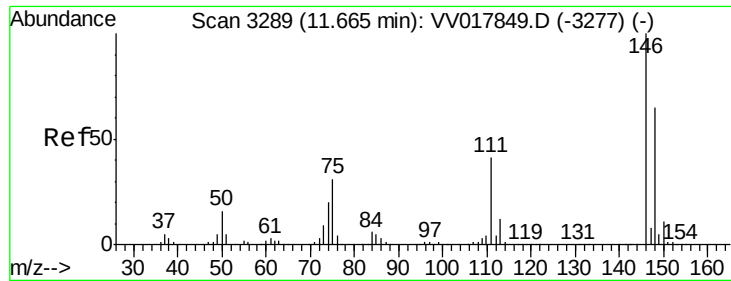


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

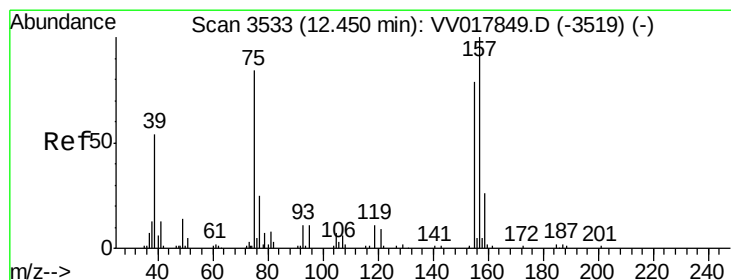
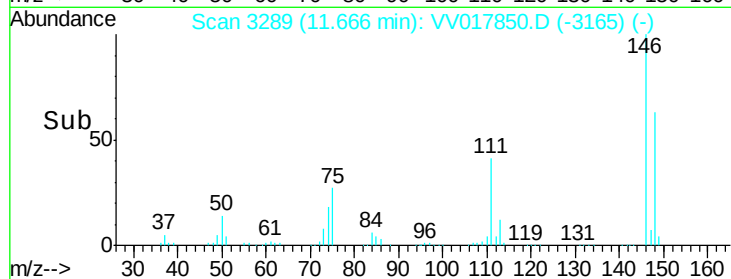
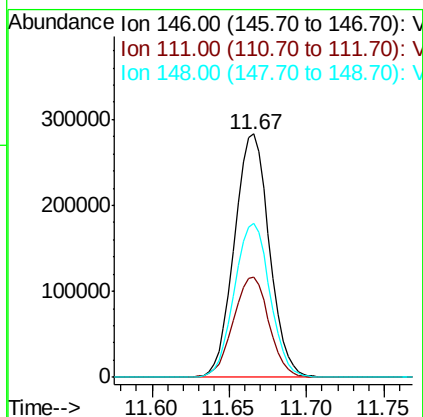
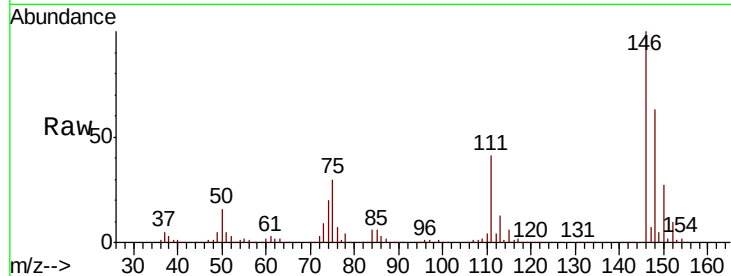




#65
 1,2-Dichlorobenzene
 Concen: 97.469 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

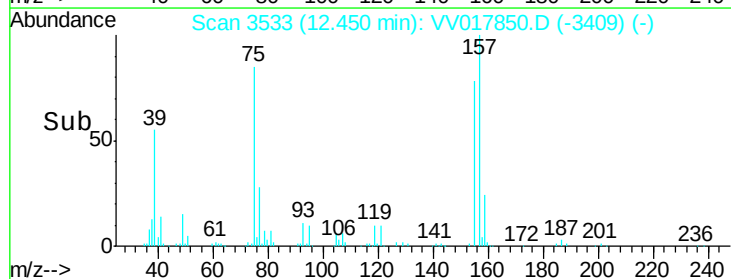
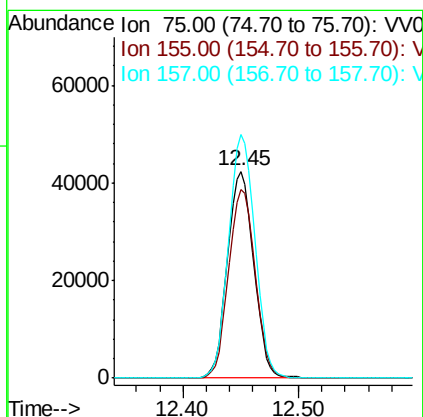
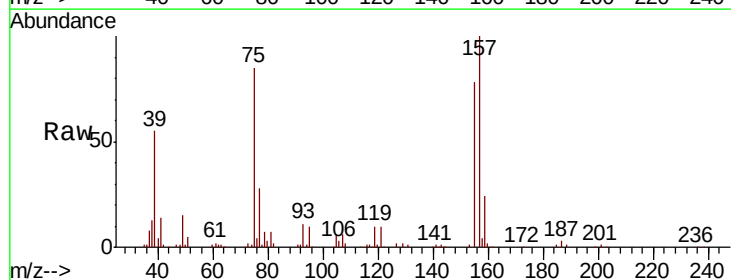
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

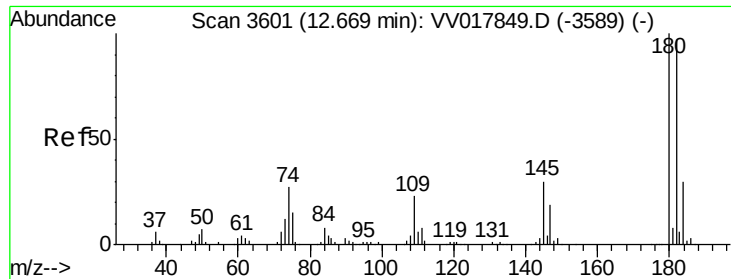
Tot Ion:146 Resp: 444821
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.9 49.3
 148 63.3 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 94.738 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

Tgt Ion: 75 Resp: 66285
 Ion Ratio Lower Upper
 75 100
 155 91.4 75.0 112.6
 157 117.8 95.0 142.4

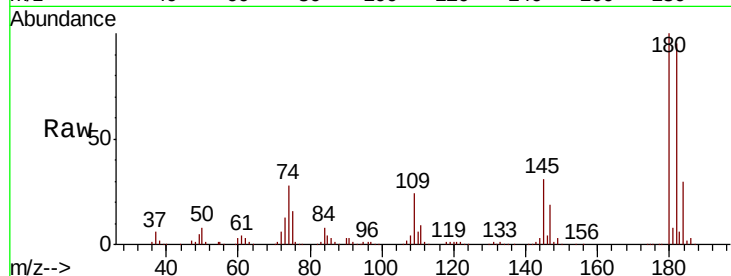




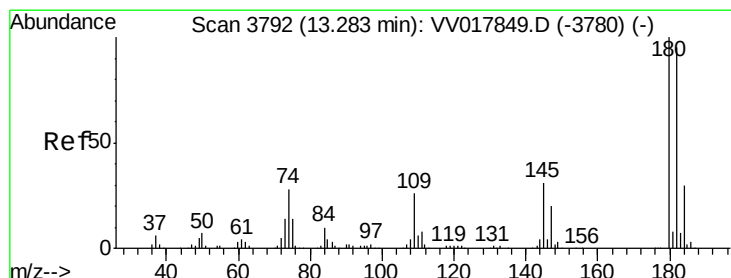
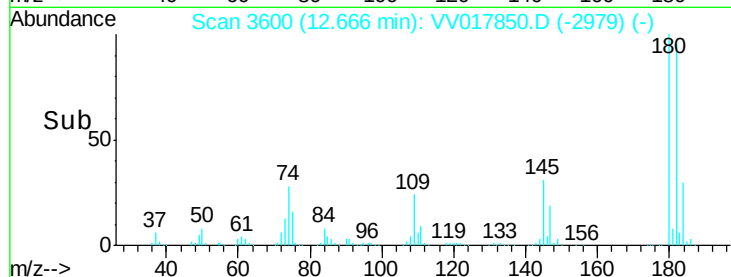
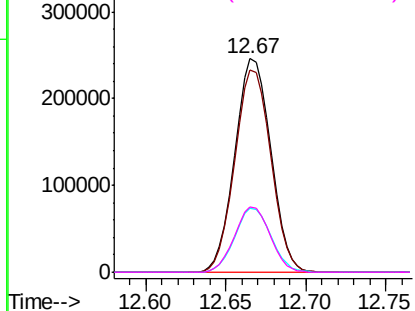
#67
 1,3,5-Trichlorobenzene
 Concen: 104.951 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tot Ion:180 Resp: 376333
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.7 115.1
 184 30.2 24.4 36.6
 145 30.3 24.2 36.4

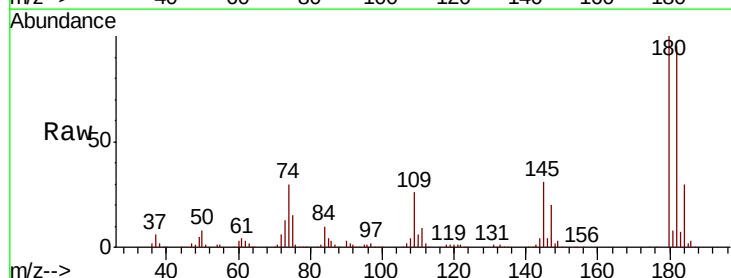


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

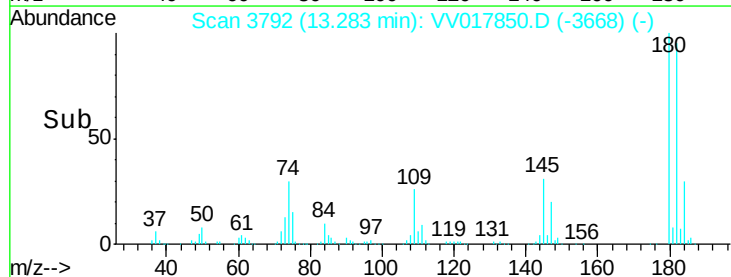
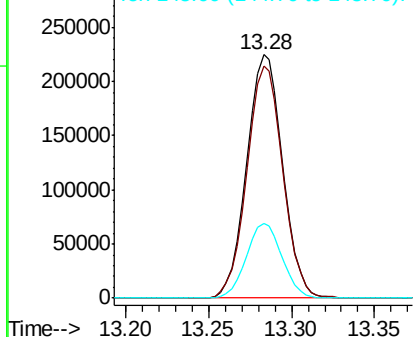


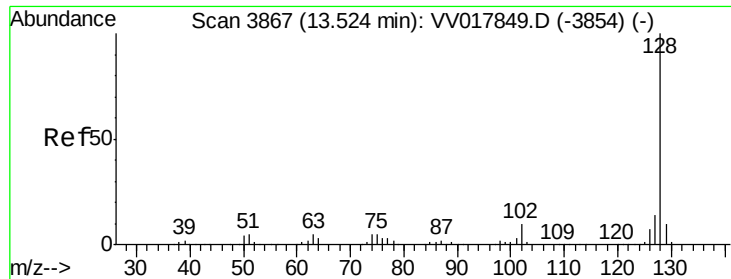
#68
 1,2,4-trichlorobenzene
 Concen: 108.602 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017850.D
 Acq: 08 Aug 2020 12:40

Tgt Ion:180 Resp: 338843
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.6 113.4
 145 30.6 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: 107.272 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

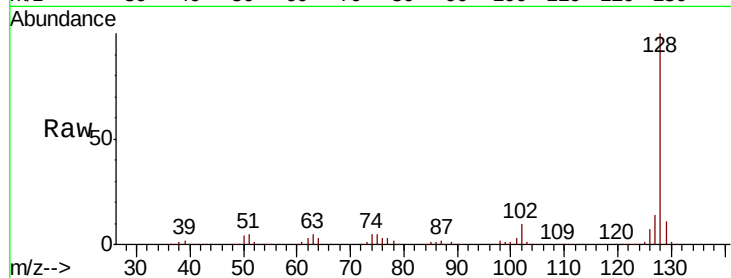
Tot Ion:128 Resp: 876373

Ion Ratio Lower Upper

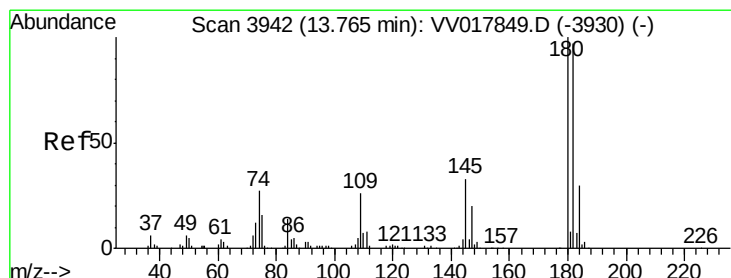
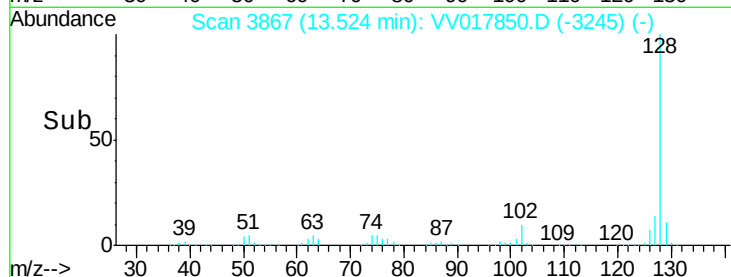
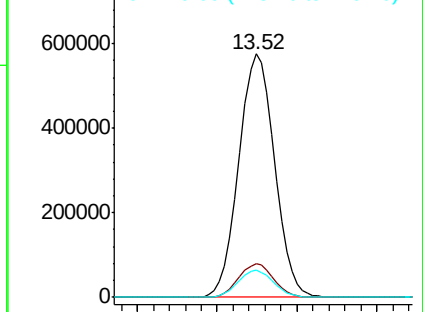
128 100

127 13.7 10.8 16.2

129 11.0 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: 106.494 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017850.D

Acq: 08 Aug 2020 12:40

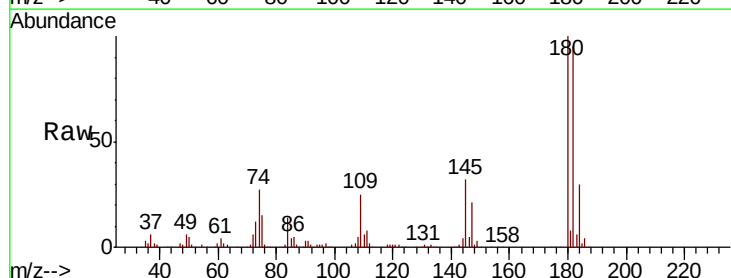
Tgt Ion:180 Resp: 331084

Ion Ratio Lower Upper

180 100

182 94.6 76.7 115.1

145 32.6 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

