

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
 Data File : VV017847.D
 Acq On : 08 Aug 2020 11:28
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Quant Time: Aug 10 01:59:10 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	242006	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	232297	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	125421	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	6549	5.48	ug/L	0.00
7) Chloroethane-d5	1.58	69	5477	5.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	14843	5.20	ug/L	0.00
21) 2-Butanone-d5	3.93	46	2369	2.76	ug/L	0.02
24) Chloroform-d	4.38	84	16499	5.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	11349	4.82	ug/L	0.00
32) Benzene-d6	5.07	84	26546	4.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	6859	4.67	ug/L	0.00
41) Toluene-d8	7.34	98	25871	4.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	3354	3.41	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	3957	6.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	10458	4.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	13421	5.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9191	3.944 ug/L	92
3) Chloromethane	1.25	50	6568	4.258 ug/L	94
5) Vinyl chloride	1.32	62	7151	4.320 ug/L	89
6) Bromomethane	1.53	94	5051	5.007 ug/L	100
8) Chloroethane	1.60	64	4950	4.879 ug/L	98
9) Trichlorofluoromethane	1.76	101	18083	5.357 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	8339	5.349 ug/L	93
12) 1,1-Dichloroethene	2.13	96	7476	5.184 ug/L	89
13) Acetone	2.19	43	5119	4.736 ug/L	51
14) Carbon disulfide	2.31	76	14452	3.384 ug/L	100
15) Methyl Acetate	2.45	43	5966	4.259 ug/L #	75
16) Methylene chloride	2.52	84	7745	4.615 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	7362	4.596 ug/L	98
18) Methyl tert-butyl Ether	2.78	73	25249	4.766 ug/L #	74
19) 1,1-Dichloroethane	3.21	63	12072	4.343 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	8023	4.657 ug/L	98
23) Bromochloromethane	4.28	128	4785	4.867 ug/L	91
25) Chloroform	4.40	83	15314	4.674 ug/L	90
27) 1,2-Dichloroethane	5.16	62	14359	4.972 ug/L	98
29) Cyclohexane	4.70	56	9099	4.056 ug/L #	50
30) 1,1,1-Trichloroethane	4.63	97	16724	5.017 ug/L	99
31) Carbon tetrachloride	4.85	117	14264	4.722 ug/L	99
33) Benzene	5.13	78	27737	4.529 ug/L	100
34) Trichloroethene	5.94	95	8289	4.691 ug/L	88
35) Methylcyclohexane	6.15	83	11459	4.451 ug/L	97
37) 1,2-Dichloropropane	6.20	63	6114	4.400 ug/L #	82
38) Bromodichloromethane	6.53	83	10723	4.301 ug/L #	92
39) cis-1,3-Dichloropropene	7.05	75	8621	3.384 ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	14695	7.781 ug/L	98
42) Toluene	7.41	91	31948	4.671 ug/L	96

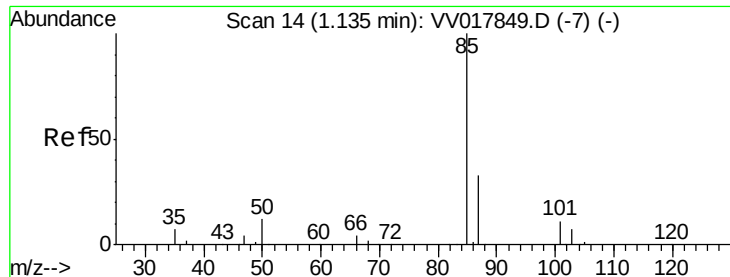
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.67	75	7790	2.976	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	7819	4.853	ug/L	97
46) Tetrachloroethene	7.99	164	8006	5.038	ug/L	93
48) 2-Hexanone	8.16	43	13120	8.633	ug/L	99
49) Dibromochloromethane	8.27	129	6974	3.392	ug/L	88
50) 1,2-Dibromoethane	8.37	107	8478	4.806	ug/L	87
51) Chlorobenzene	8.90	112	22497	4.751	ug/L	95
52) Ethylbenzene	9.03	91	35146	4.456	ug/L	98
53) m,p-Xylene	9.16	106	13811	4.570	ug/L	97
54) o-xylene	9.57	106	13683	4.680	ug/L	97
55) Styrene	9.58	104	23158	4.562	ug/L	95
56) Isopropylbenzene	9.95	105	37143	4.627	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.26	83	10045	4.328	ug/L	95
59) 1,2,3-Trichloropropane	10.30	75	9710	4.735	ug/L	96
61) Bromoform	9.76	173	4422	3.050	ug/L	91
62) 1,3-Dichlorobenzene	11.20	146	20051	5.035	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	20277	5.027	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	20681	5.207	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.46	75	2502	4.109	ug/L #	72
67) 1,3,5-Trichlorobenzene	12.67	180	15269	4.893	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	12924	4.759	ug/L	98
69) Naphthalene	13.53	128	32205	4.529	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	13291	4.912	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 3.944 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

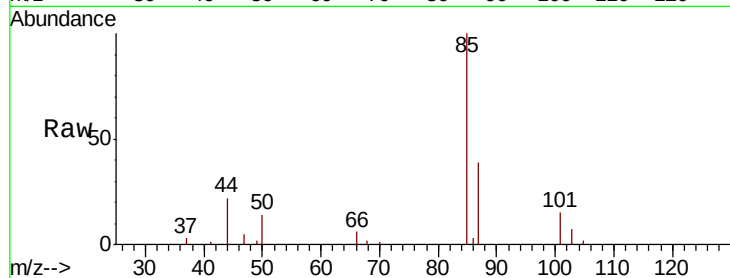
VSTD00562

Tot Ion: 85 Resp: 9191

Ion Ratio Lower Upper

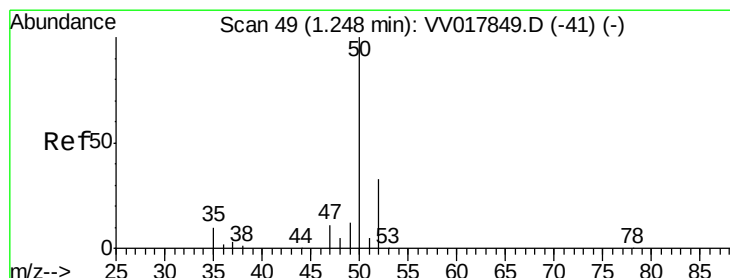
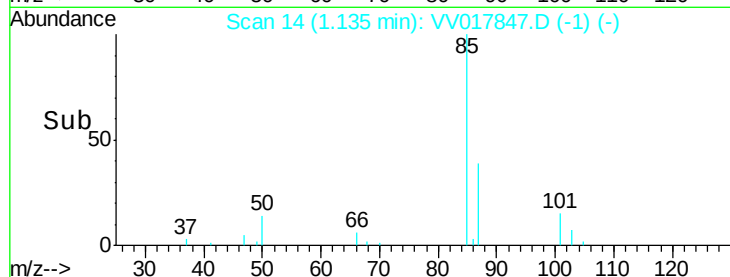
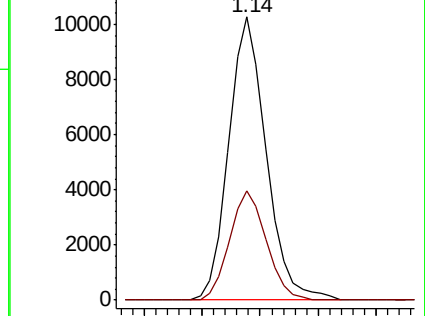
85 100

87 37.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.258 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017847.D

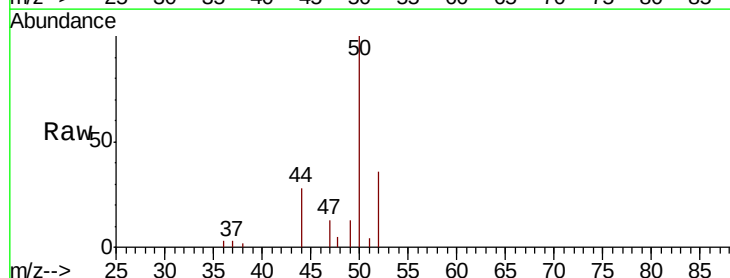
Acq: 08 Aug 2020 11:28

Tgt Ion: 50 Resp: 6568

Ion Ratio Lower Upper

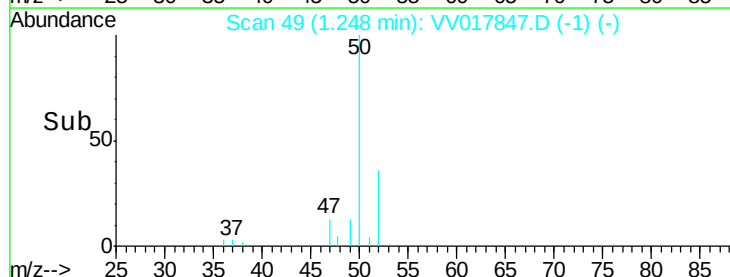
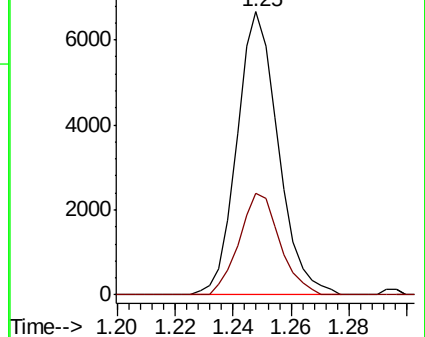
50 100

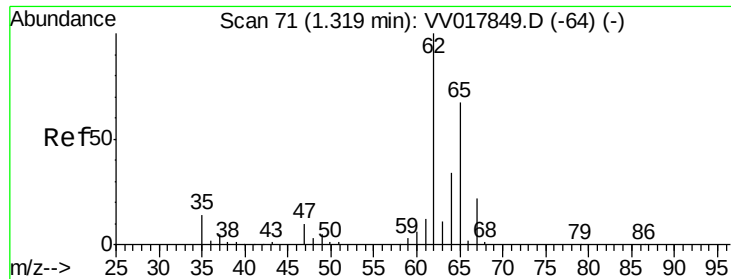
52 36.0 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 4.320 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

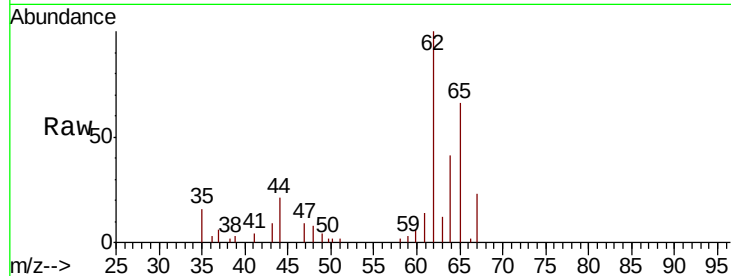
VSTD00562

Tot Ion: 62 Resp: 7151

Ion Ratio Lower Upper

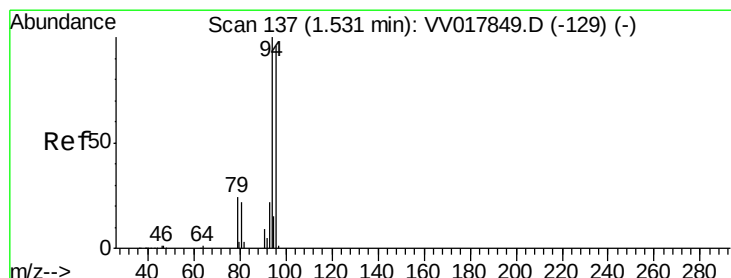
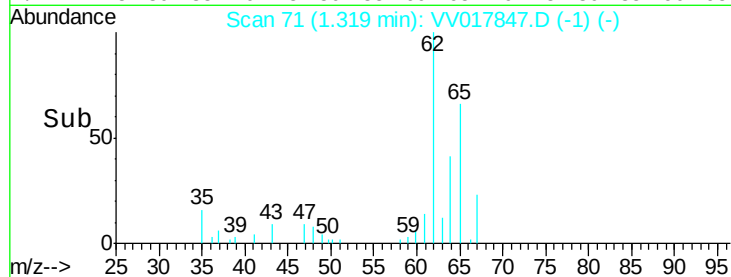
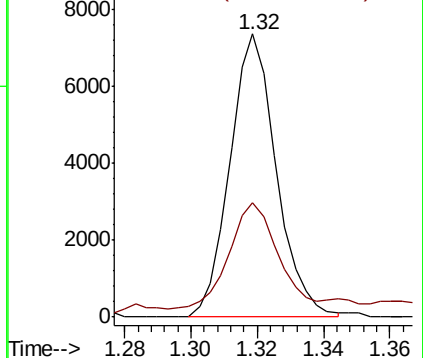
62 100

64 40.6 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 5.007 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017847.D

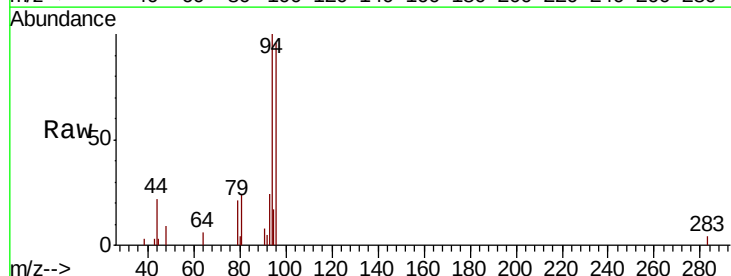
Acq: 08 Aug 2020 11:28

Tgt Ion: 94 Resp: 5051

Ion Ratio Lower Upper

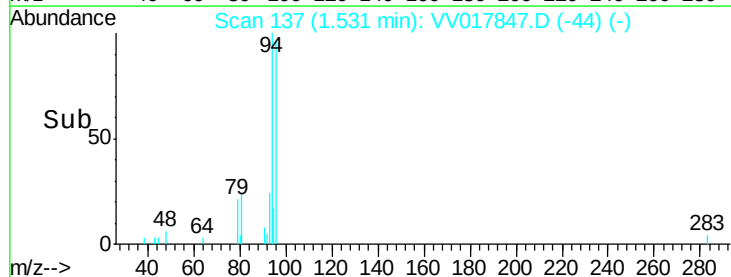
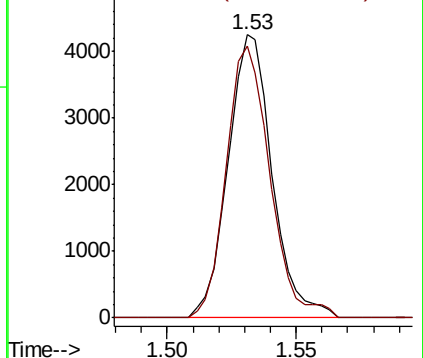
94 100

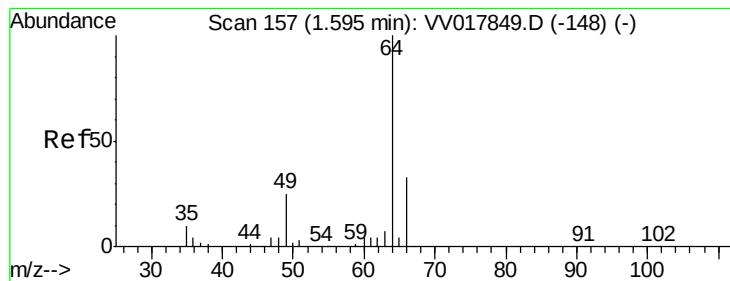
96 96.0 67.5 125.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.879 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

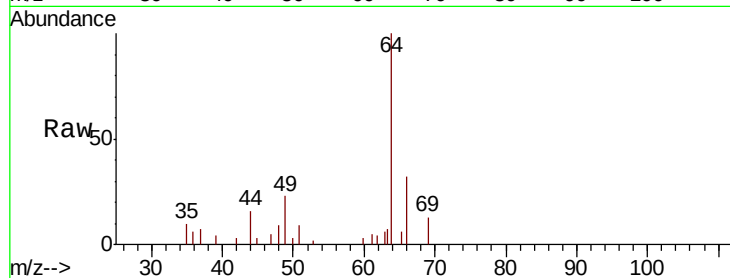
VSTD00562

Tot Ion: 64 Resp: 4950

Ion Ratio Lower Upper

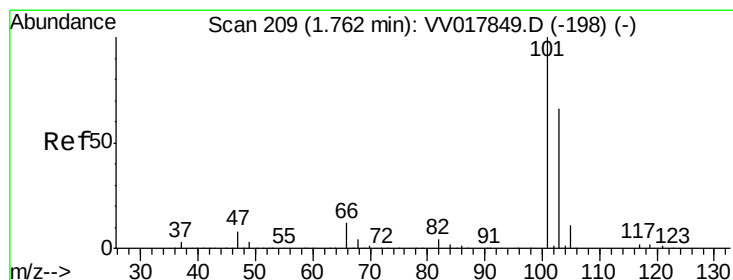
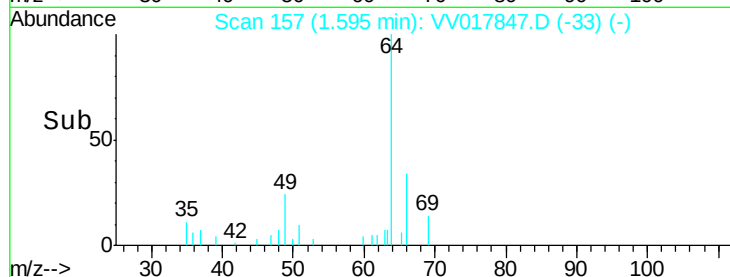
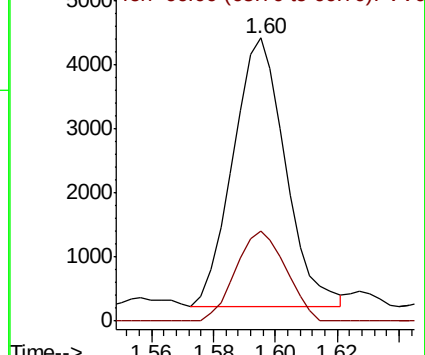
64 100

66 31.9 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: 5.357 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017847.D

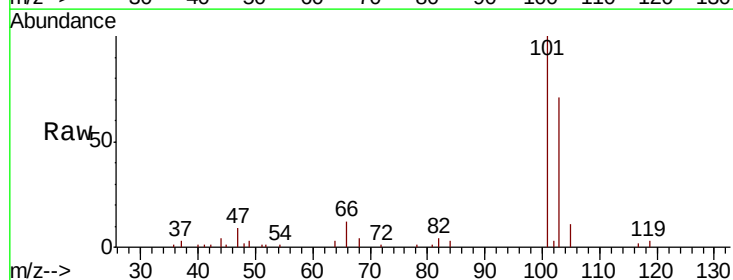
Acq: 08 Aug 2020 11:28

Tgt Ion: 101 Resp: 18083

Ion Ratio Lower Upper

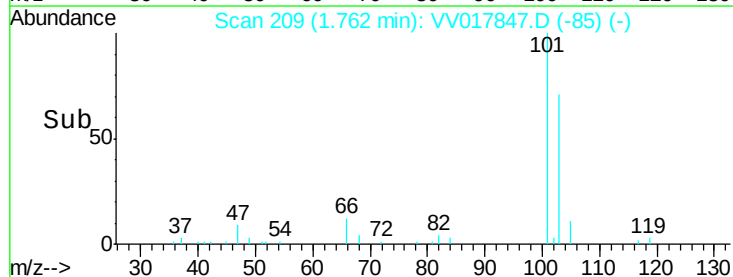
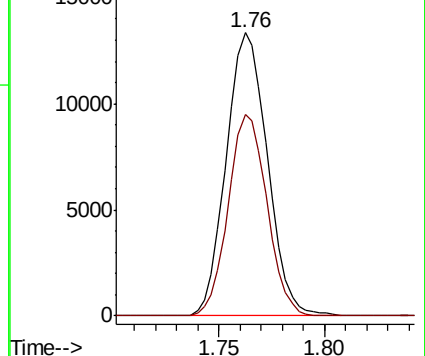
101 100

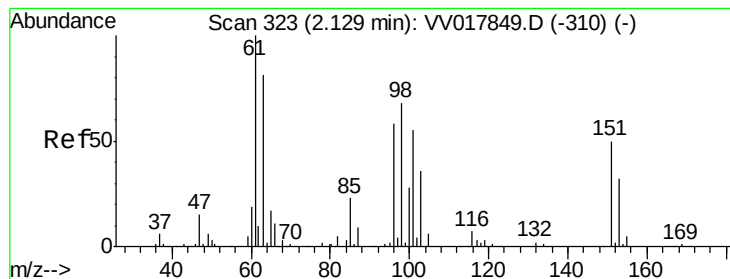
103 66.7 53.2 79.8



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: 5.349 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

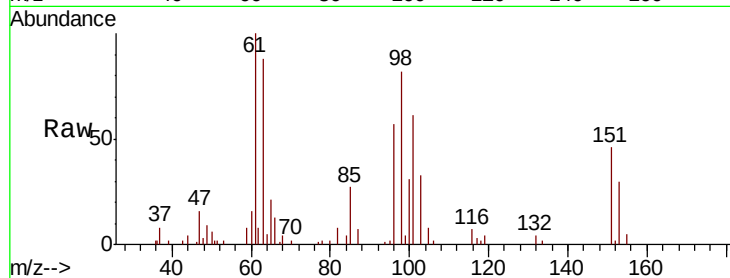
Tot Ion:101 Resp: 8339

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.6

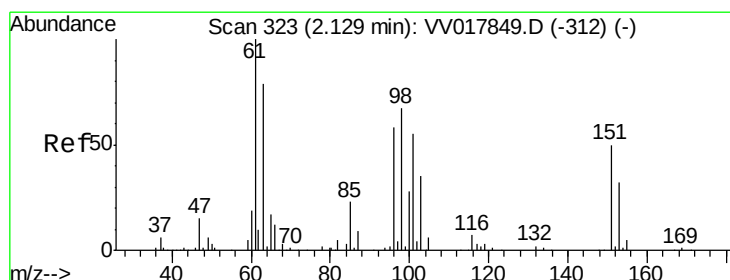
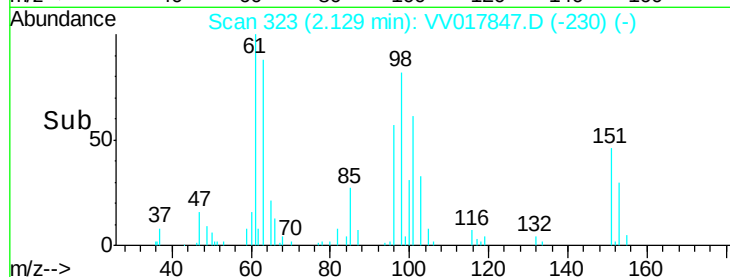
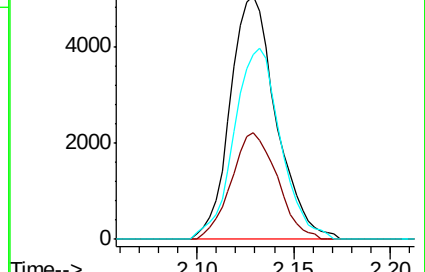
151 79.5 71.0 106.6



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: 5.184 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

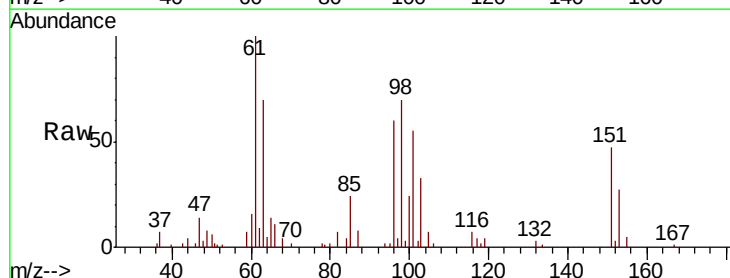
Tgt Ion: 96 Resp: 7476

Ion Ratio Lower Upper

96 100

61 165.9 121.1 224.9

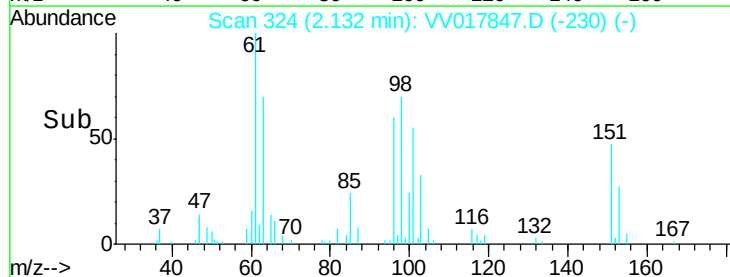
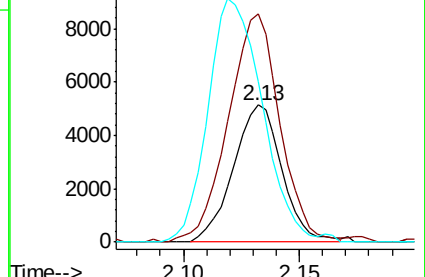
63 116.5 98.1 182.1

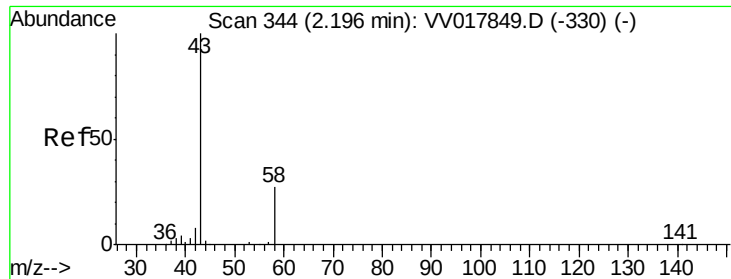


Abundance Ion 96.00 (95.70 to 96.70): VV017847.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017847.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017847.D (-230) (-)





#13

Acetone

Concen: 4.736 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

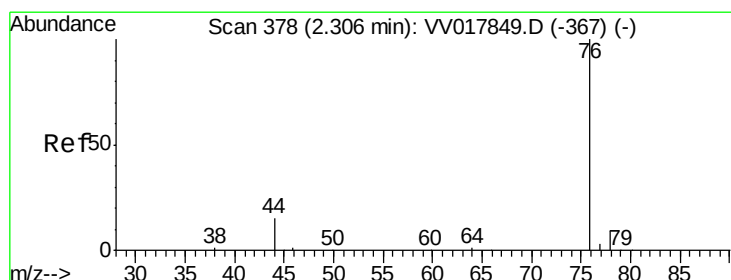
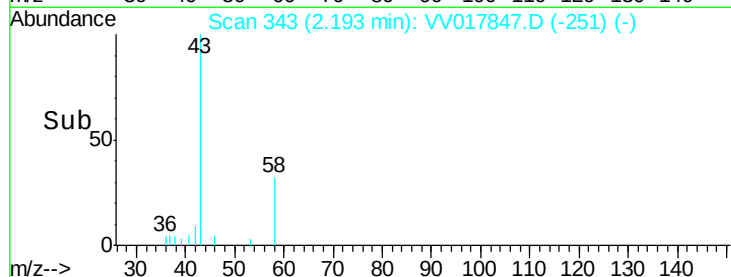
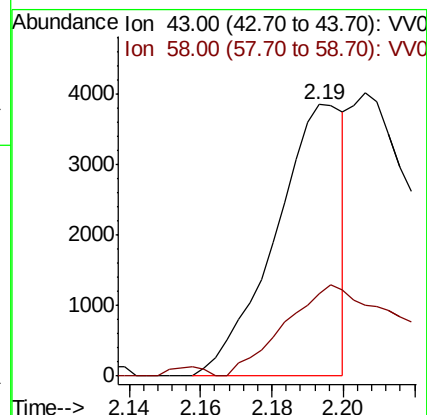
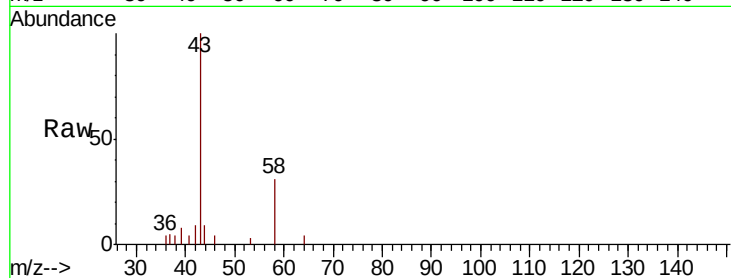
VSTD00562

Tot Ion: 43 Resp: 5119

Ion Ratio Lower Upper

43 100

58 52.9 0.0 54.8



#14

Carbon disulfide

Concen: 3.384 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017847.D

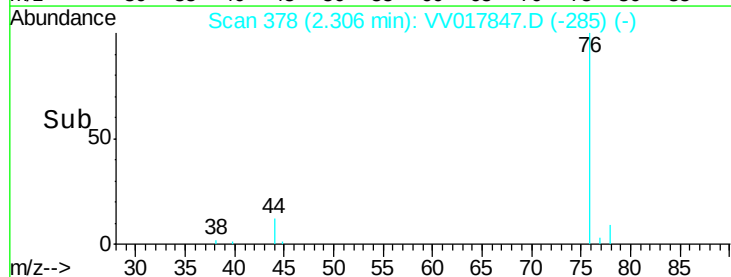
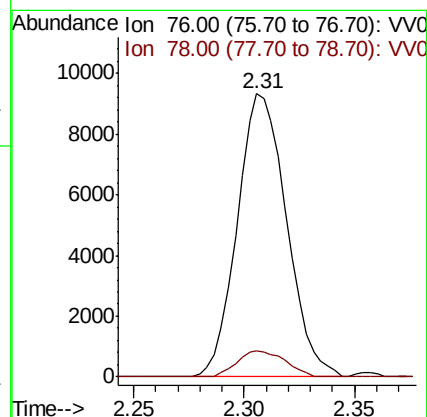
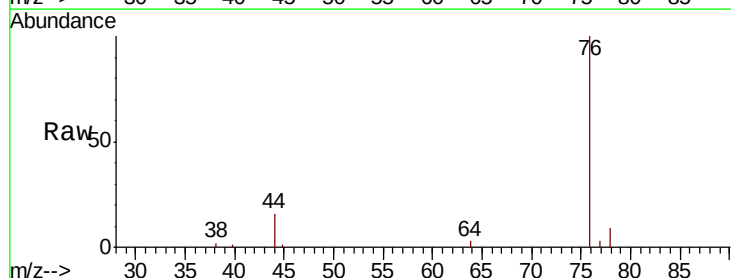
Acq: 08 Aug 2020 11:28

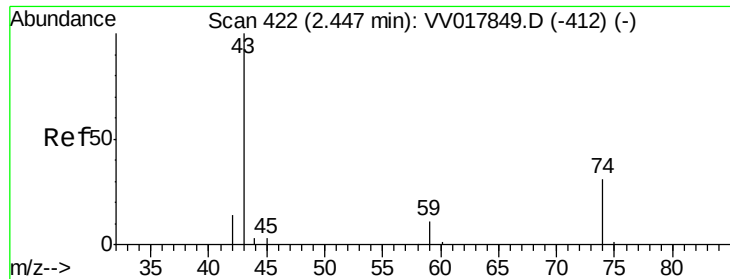
Tgt Ion: 76 Resp: 14452

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

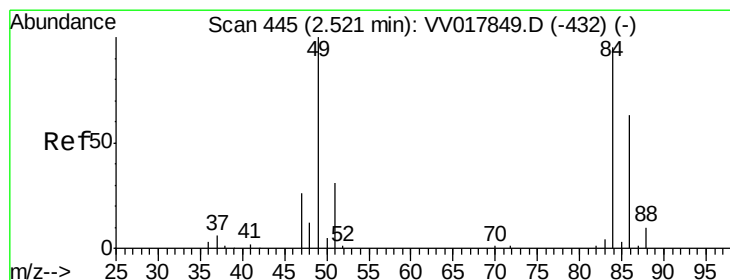
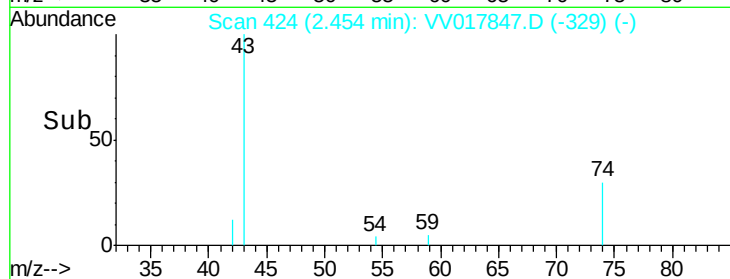
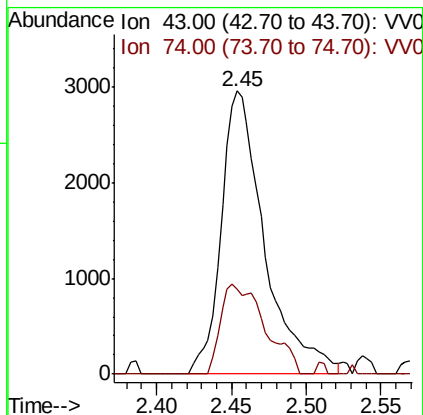
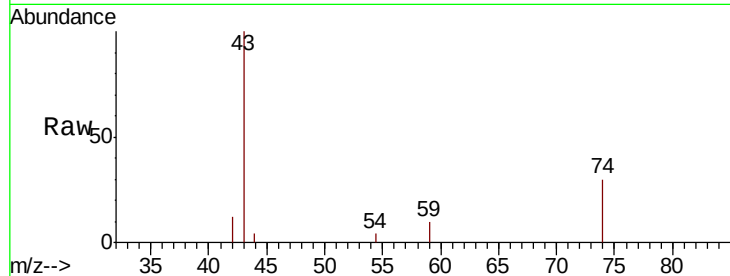




#15
Methyl Acetate
Concen: 4.259 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV017847.D
Acq: 08 Aug 2020 11:28

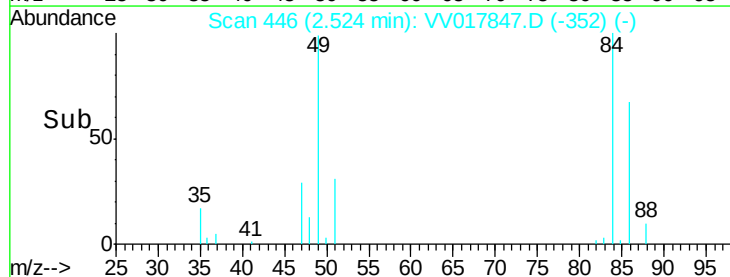
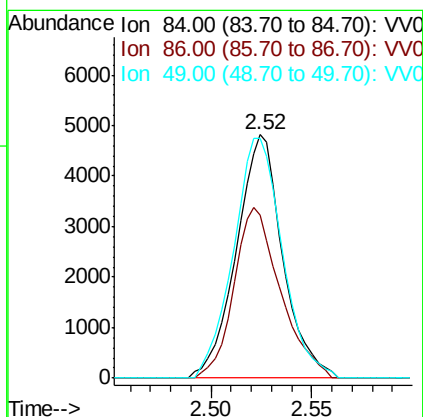
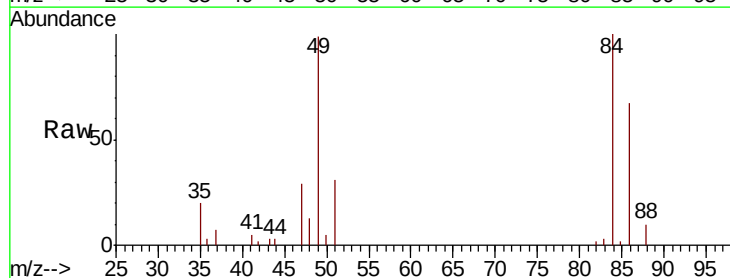
Instrument :
MSVOA_V
ClientSampled :
VSTD00562

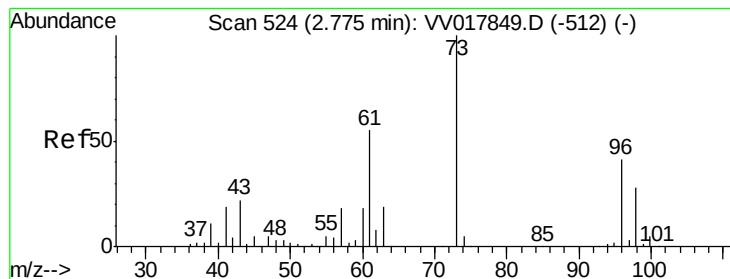
Tot Ion: 43 Resp: 5966
Ion Ratio Lower Upper
43 100
74 15.6 23.0 34.6#



#16
Methylene chloride
Concen: 4.615 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017847.D
Acq: 08 Aug 2020 11:28

Tgt Ion: 84 Resp: 7745
Ion Ratio Lower Upper
84 100
86 66.9 46.2 85.8
49 98.7 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 4.596 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

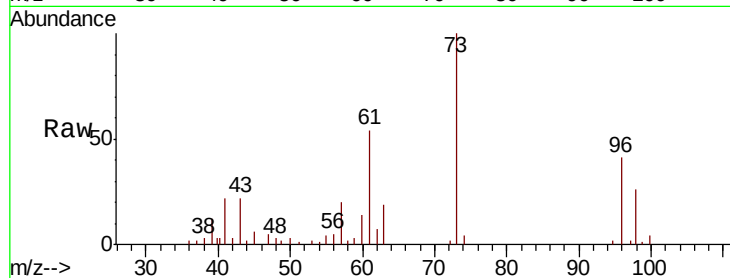
Tot Ion: 96 Resp: 7362

Ion Ratio Lower Upper

96 100

61 132.1 92.4 171.6

98 63.5 47.5 88.1

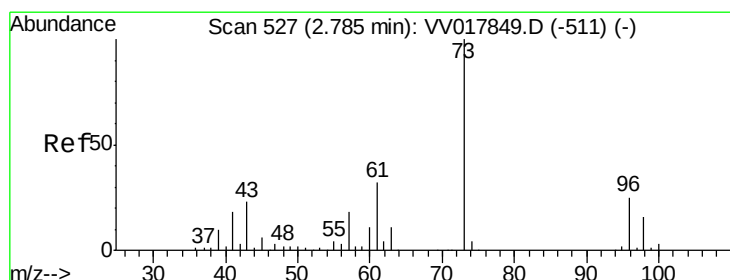
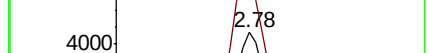
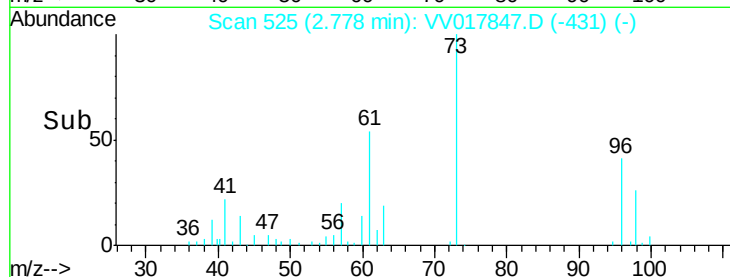


Abundance Ion 96.00 (95.70 to 96.70): VV017847.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV017847.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV017847.D (-431) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 4.766 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

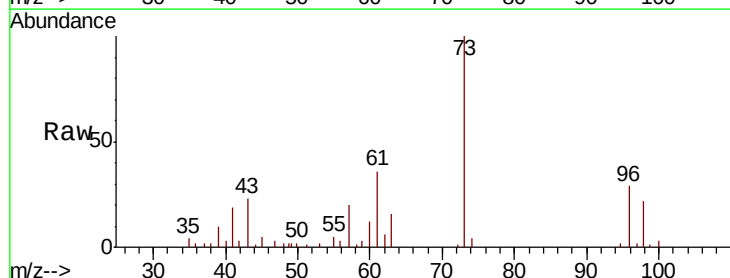
Tgt Ion: 73 Resp: 25249

Ion Ratio Lower Upper

73 100

43 0.5 18.1 27.1#

57 18.6 14.5 21.7

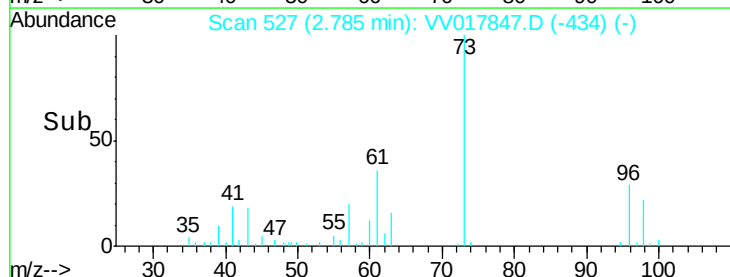


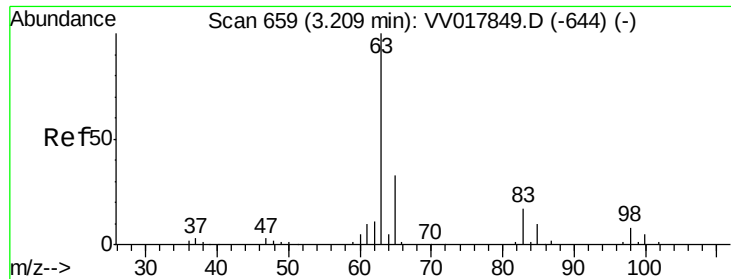
Abundance Ion 73.00 (72.70 to 73.70): VV017847.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV017847.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV017847.D (-434) (-)

Time-->

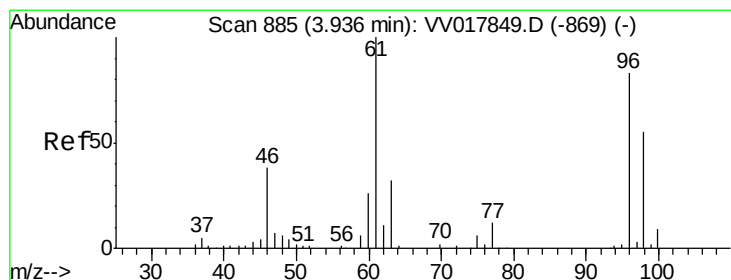
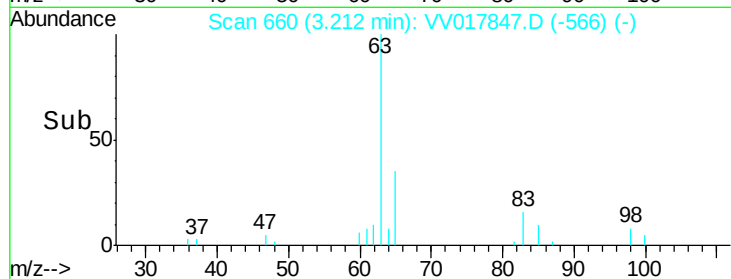
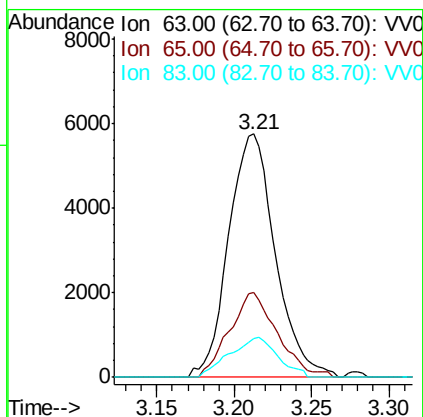
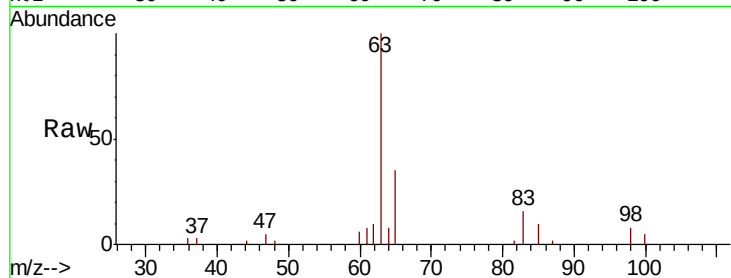




#19
 1,1-Dichloroethane
 Concen: 4.343 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

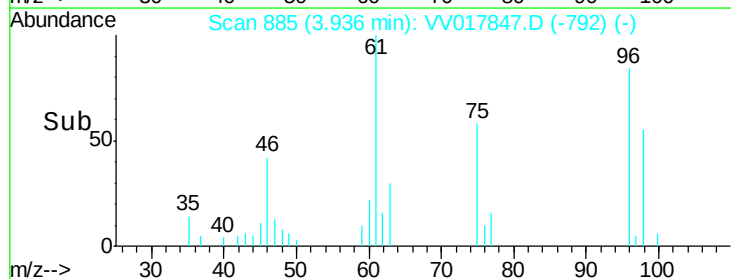
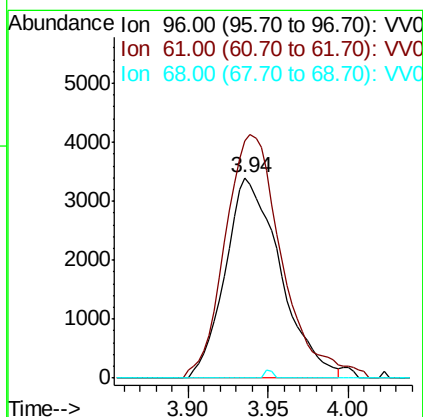
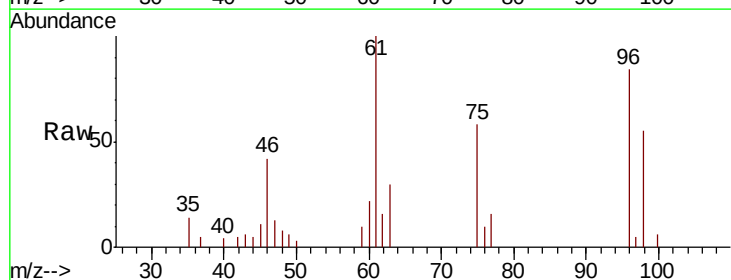
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

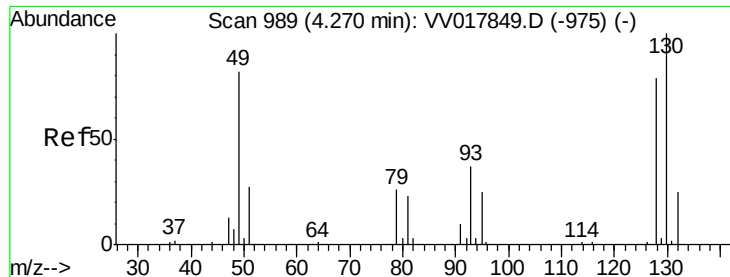
Tot Ion: 63 Resp: 12072
 Ion Ratio Lower Upper
 63 100
 65 34.9 23.4 43.6
 83 15.9 11.5 21.5



#20
 cis-1,2-Dichloroethene
 Concen: 4.657 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

Tgt Ion: 96 Resp: 8023
 Ion Ratio Lower Upper
 96 100
 61 118.4 84.4 156.8
 68 0.0 0.0 0.0

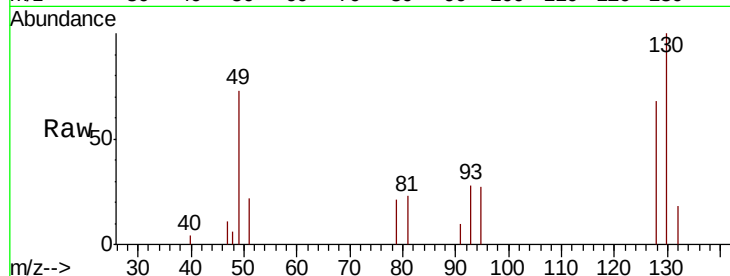




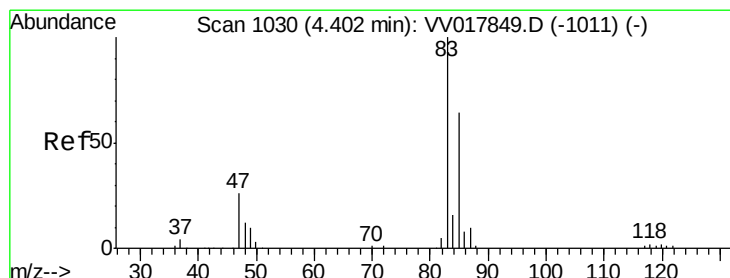
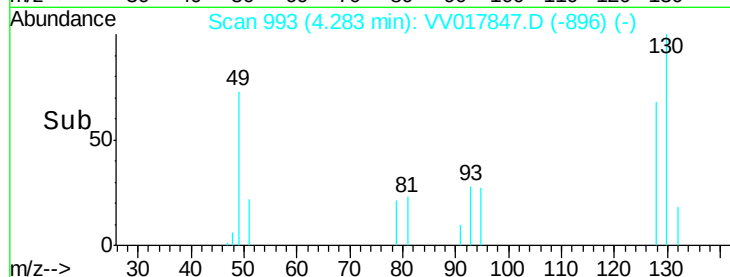
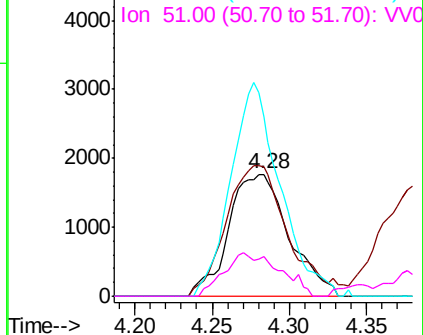
#23
Bromochloromethane
Concen: 4.867 ug/L
RT: 4.28 min Scan# 993
Delta R.T. 0.01 min
Lab File: VV017847.D
Acq: 08 Aug 2020 11:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tot Ion:128 Resp: 4785
Ion Ratio Lower Upper
128 100
49 106.5 73.7 136.9
130 146.7 89.3 165.9
51 32.1 27.2 40.8

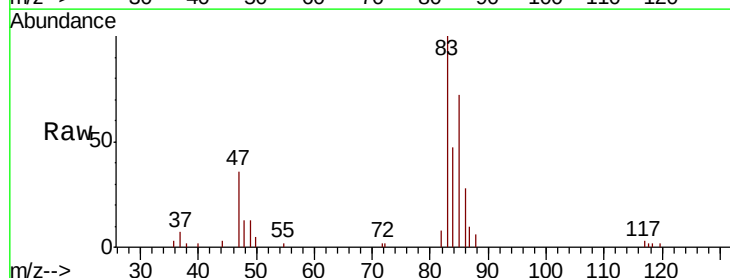


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

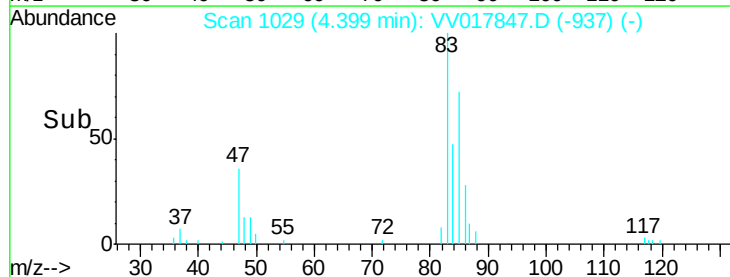
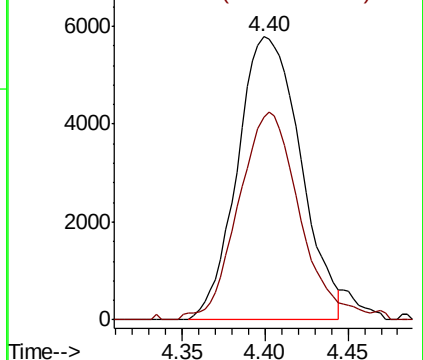


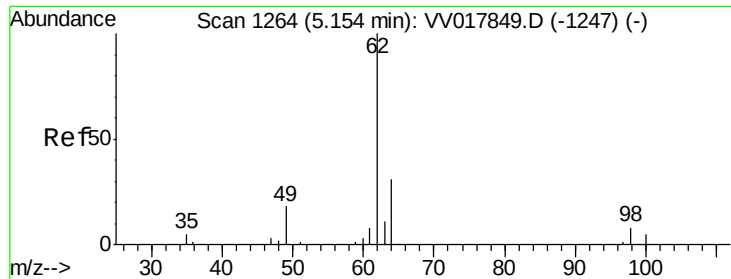
#25
Chloroform
Concen: 4.674 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017847.D
Acq: 08 Aug 2020 11:28

Tgt Ion: 83 Resp: 15314
Ion Ratio Lower Upper
83 100
85 71.8 44.9 83.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

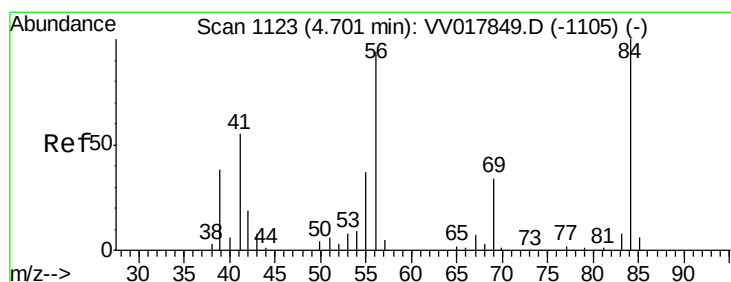
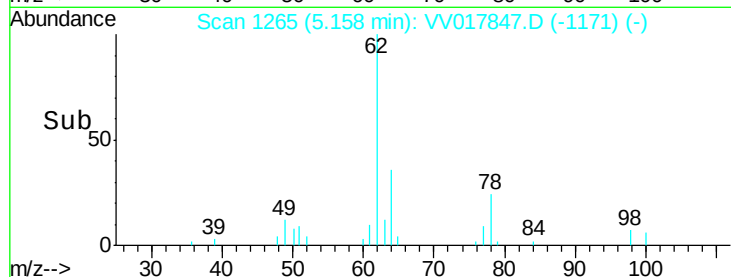
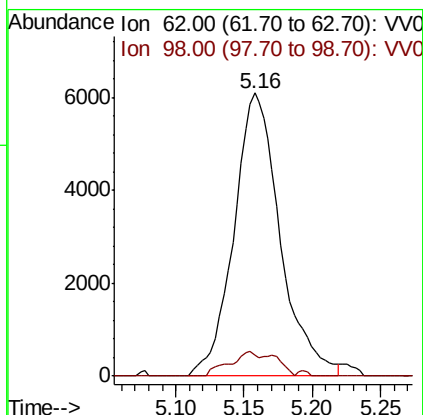
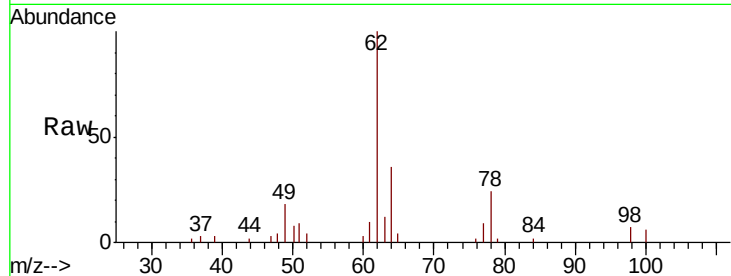




#27
 1,2-Dichloroethane
 Concen: 4.972 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

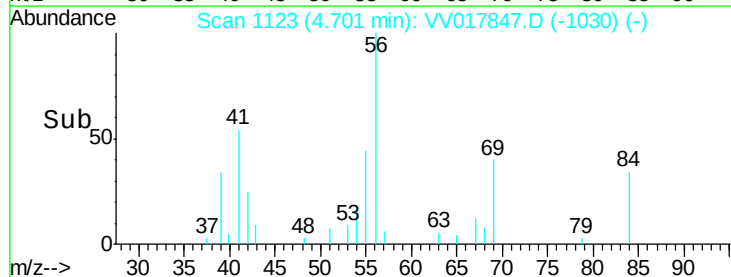
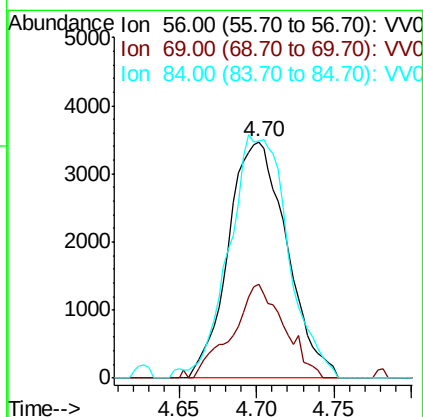
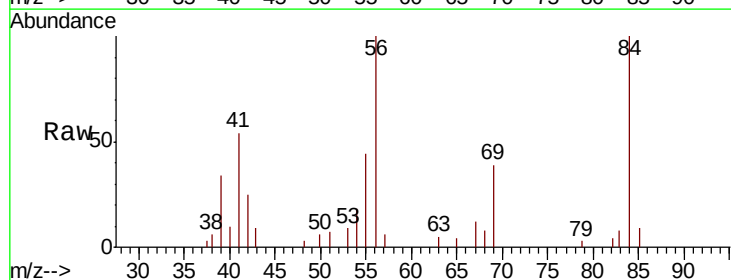
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

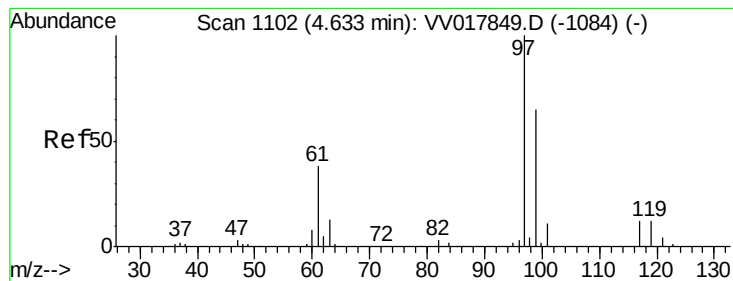
Tot Ion: 62 Resp: 14359
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.2 9.4



#29
 Cyclohexane
 Concen: 4.056 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

Tgt Ion: 56 Resp: 9099
 Ion Ratio Lower Upper
 56 100
 69 32.4 29.6 44.4
 84 43.3 88.5 132.7#





#30

1,1,1-Trichloroethane

Concen: 5.017 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

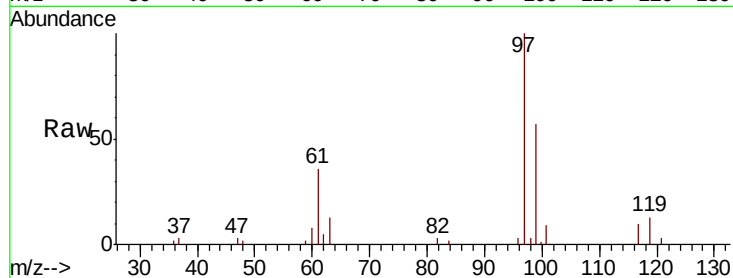
Tot Ion: 97 Resp: 16724

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

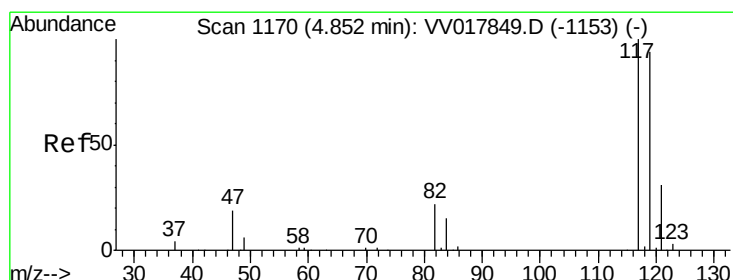
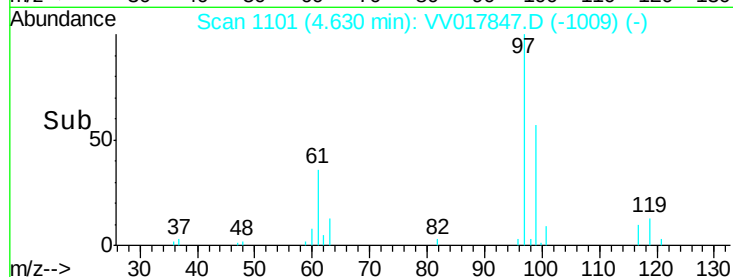
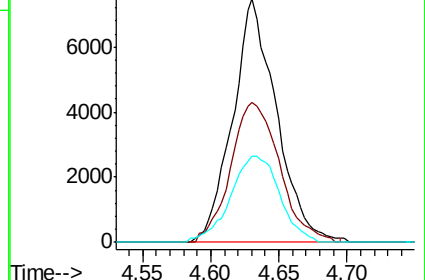
61 39.7 31.5 47.3



Abundance Ion 97.00 (96.70 to 97.70): VV017847.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV017847.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV017847.D (-1084) (-)



#31

Carbon tetrachloride

Concen: 4.722 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017847.D

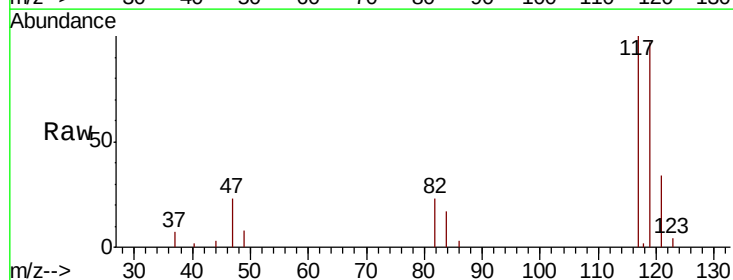
Acq: 08 Aug 2020 11:28

Tgt Ion: 117 Resp: 14264

Ion Ratio Lower Upper

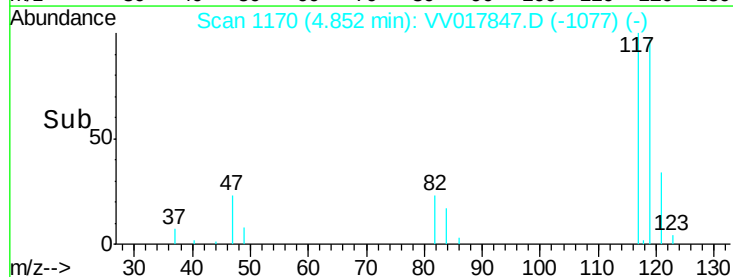
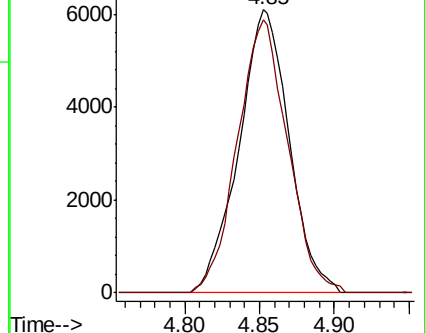
117 100

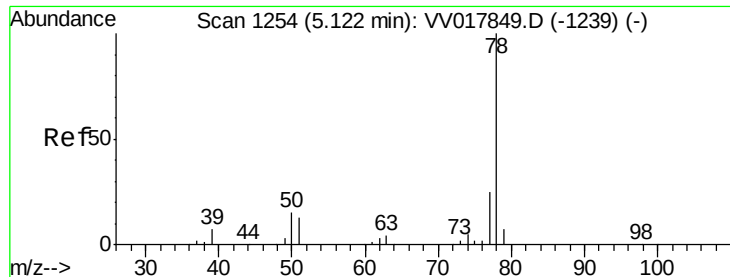
119 96.6 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): VV017847.D (-1077) (-)

Ion 119.00 (118.70 to 119.70): VV017847.D (-1077) (-)





#33

Benzene

Concen: 4.529 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

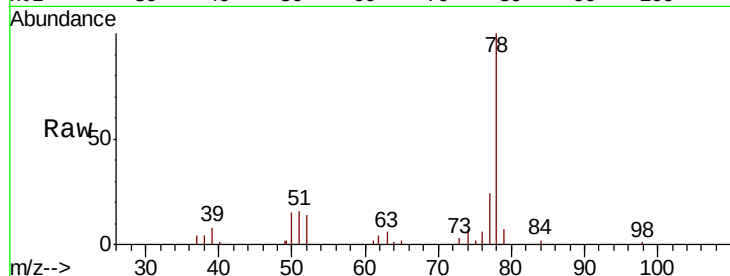
Instrument :

MSVOA_V

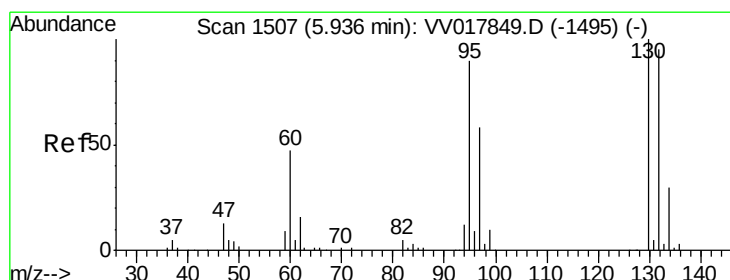
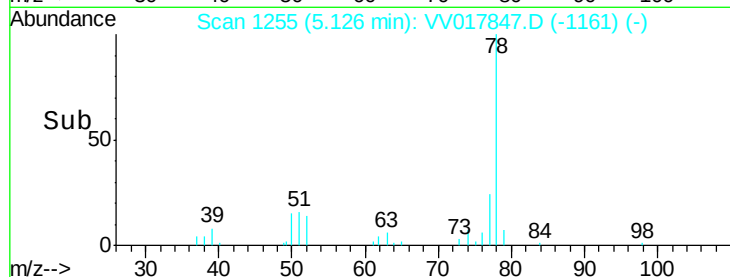
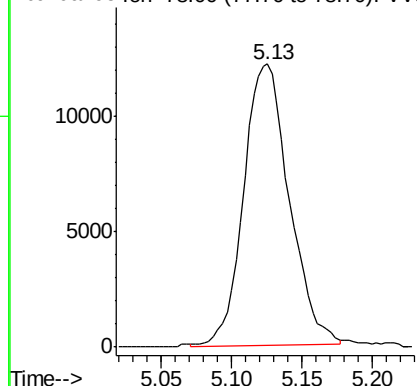
ClientSampleId :

VSTD00562

Tgt Ion: 78 Resp: 27737



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 4.691 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Tgt Ion: 95 Resp: 8289

Ion	Ratio	Lower	Upper
95	100		
97	56.7	44.7	83.1
132	95.3	73.6	136.8
130	94.7	77.6	144.0

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

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

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

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

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

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

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

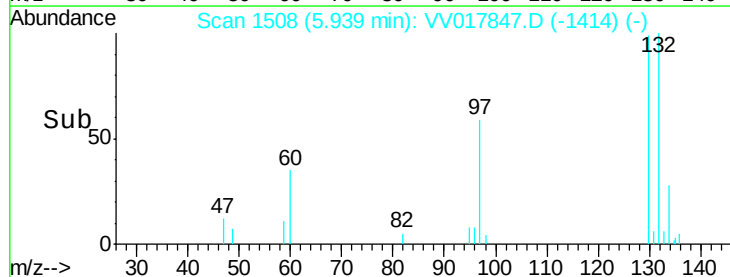
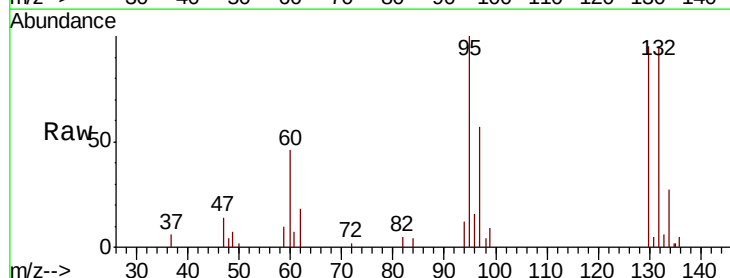
Ion 130.00 (129.70 to 130.70): VV0

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



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

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

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

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

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

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

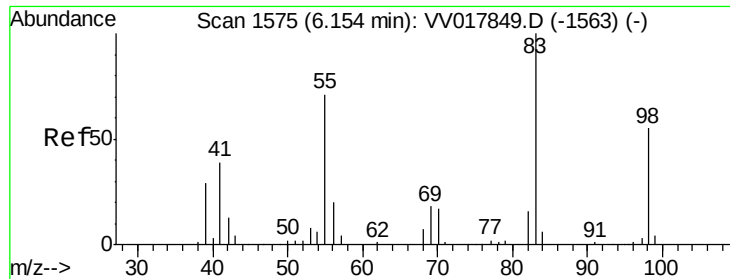
Ion 130.00 (129.70 to 130.70): VV0

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

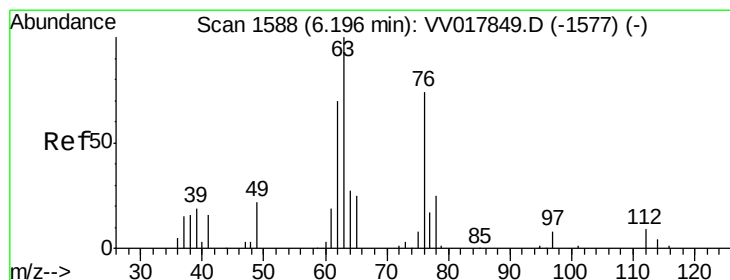
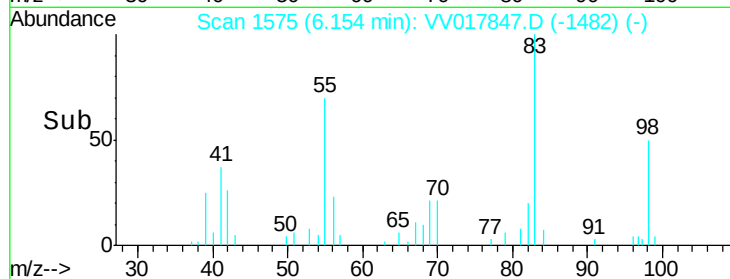
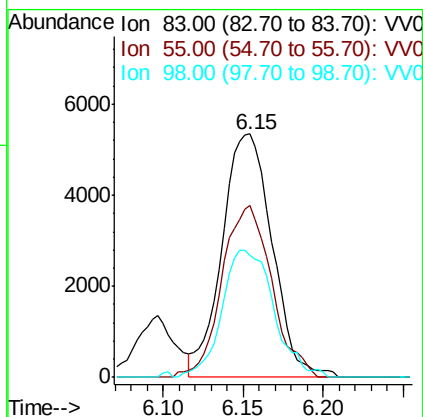
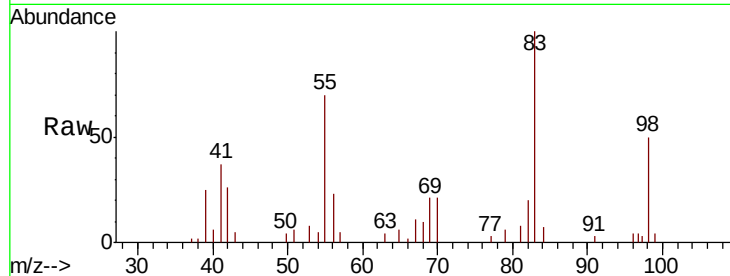
Ion 130.00 (129.70 to 130.70): VV0



#35
Methvlcvclohexane
Concen: 4.451 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV017847.D
Acq: 08 Aug 2020 11:28

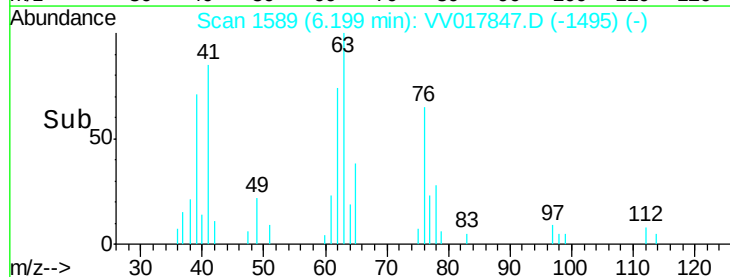
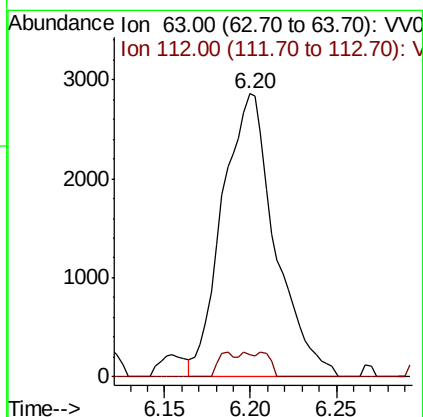
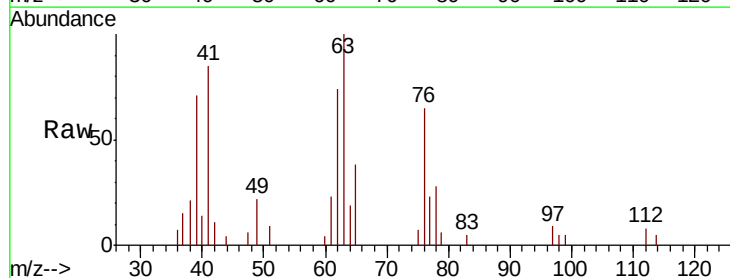
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

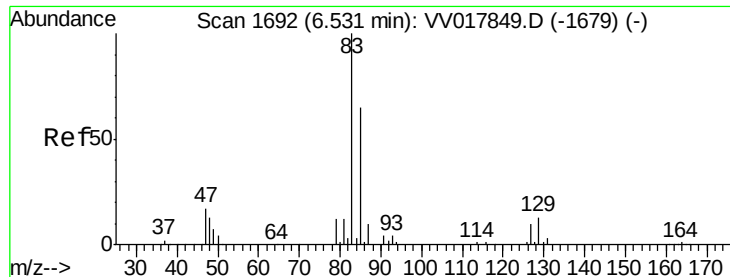
Tot Ion: 83 Resp: 11459
Ion Ratio Lower Upper
83 100
55 70.1 54.6 82.0
98 53.5 41.1 61.7



#37
1,2-Dichloropropane
Concen: 4.400 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VV017847.D
Acq: 08 Aug 2020 11:28

Tgt Ion: 63 Resp: 6114
Ion Ratio Lower Upper
63 100
112 0.9 5.8 8.6#

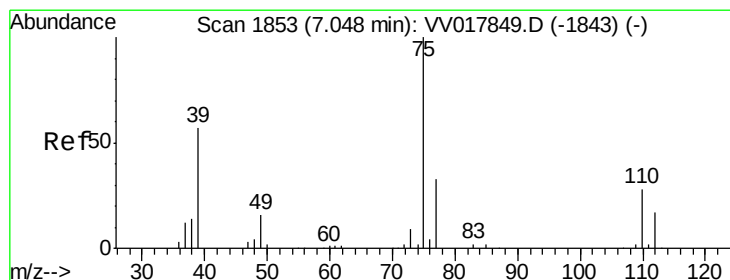
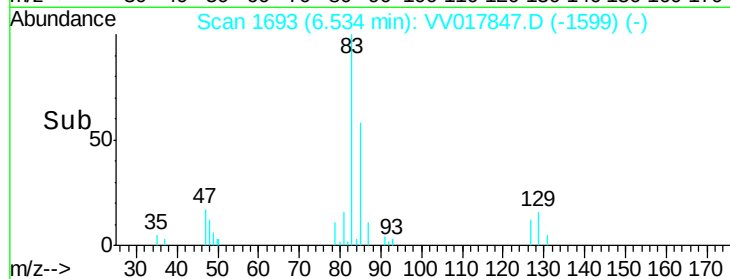
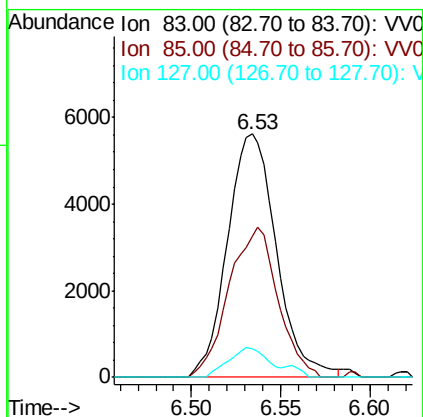
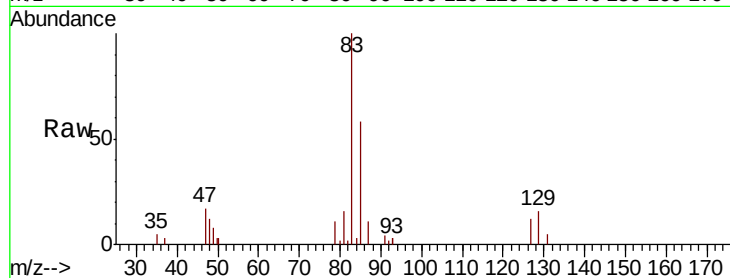




#38
 Bromodichloromethane
 Concen: 4.301 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

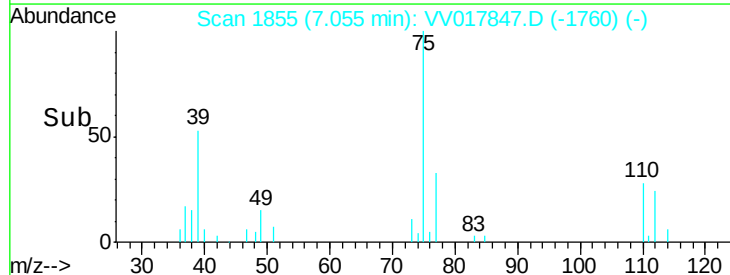
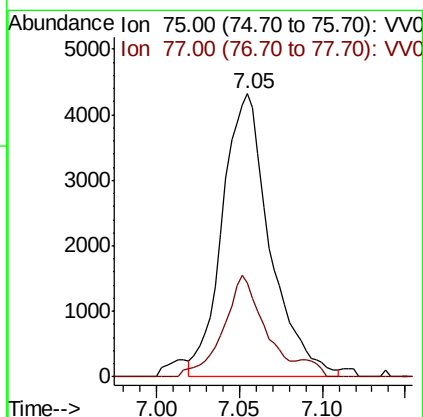
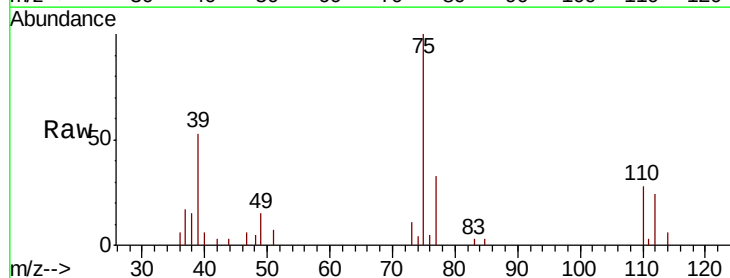
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

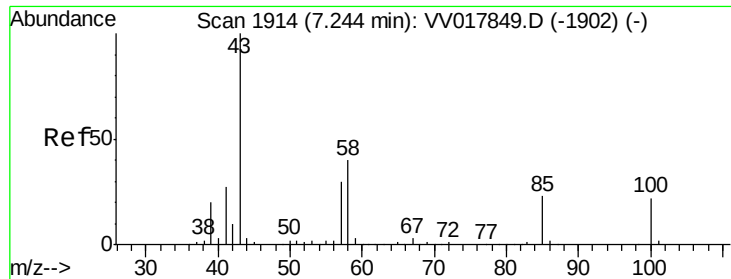
Tot Ion: 83 Resp: 10723
 Ion Ratio Lower Upper
 83 100
 85 57.8 45.4 84.2
 127 12.0 7.8 11.8#



#39
 cis-1,3-Dichloropropene
 Concen: 3.384 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

Tgt Ion: 75 Resp: 8621
 Ion Ratio Lower Upper
 75 100
 77 33.1 23.7 44.1

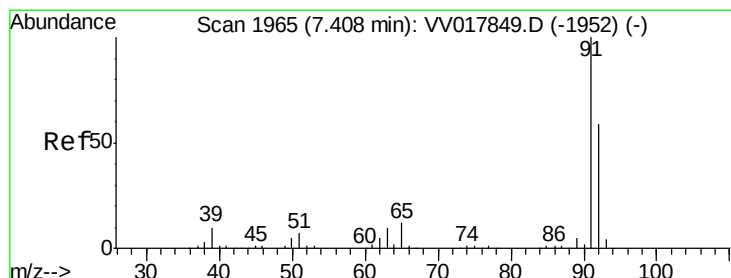
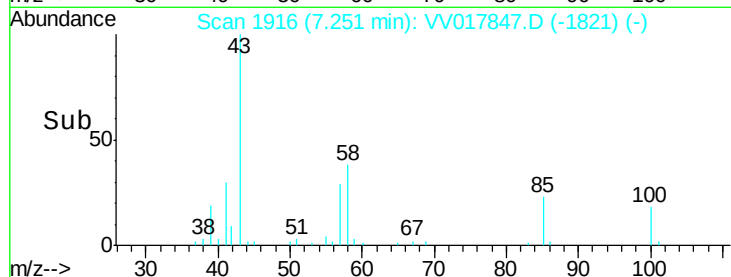
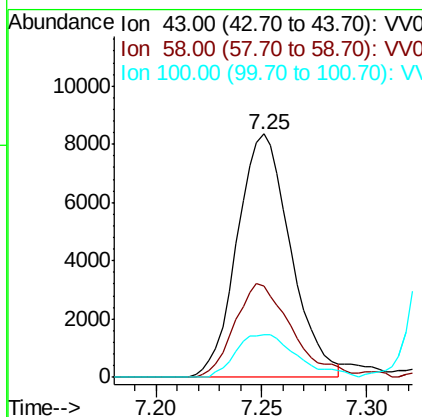
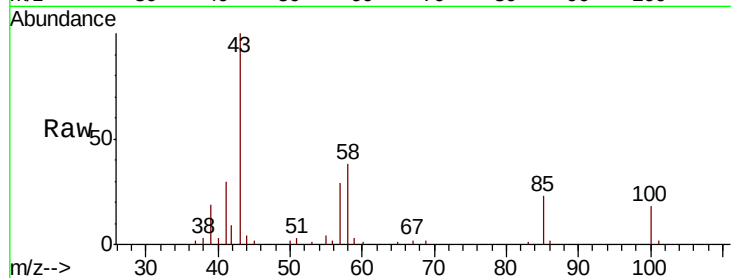




#40
 4-Methyl-2-pentanone
 Concen: 7.781 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

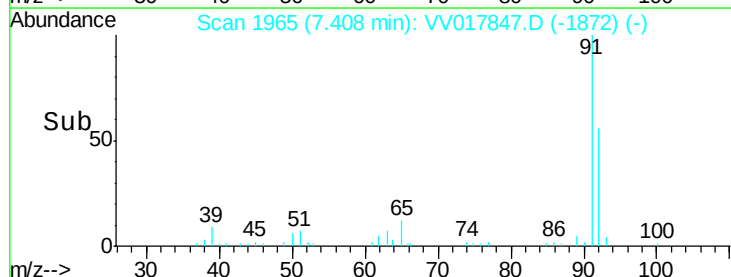
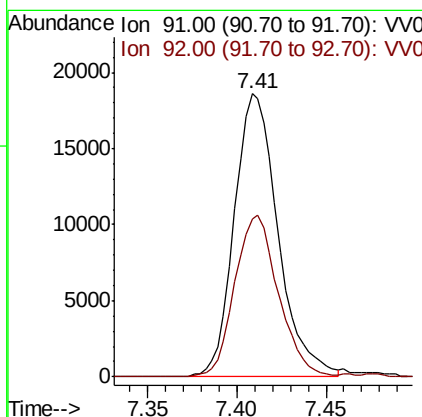
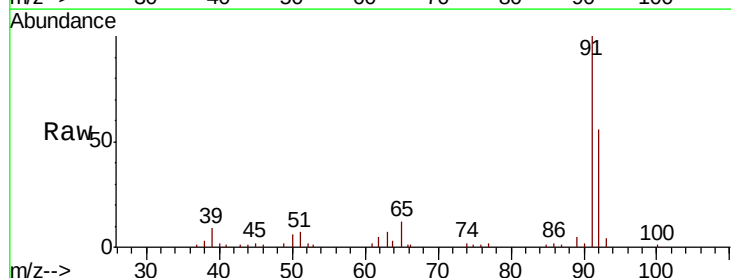
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

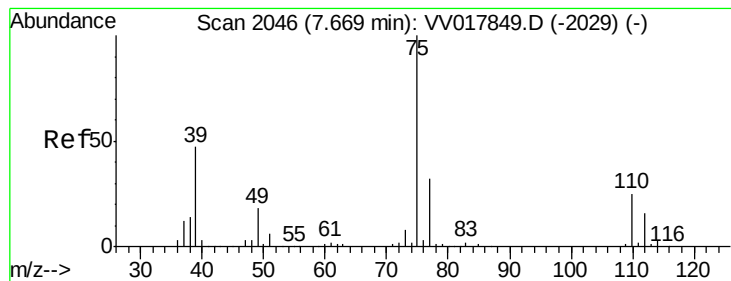
Tot Ion: 43 Resp: 14695
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.3 48.5
 100 20.2 17.4 26.0



#42
 Toluene
 Concen: 4.671 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

Tgt Ion: 91 Resp: 31948
 Ion Ratio Lower Upper
 91 100
 92 55.8 41.4 77.0





#44

trans-1,3-Dichloropropene

Concen: 2.976 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

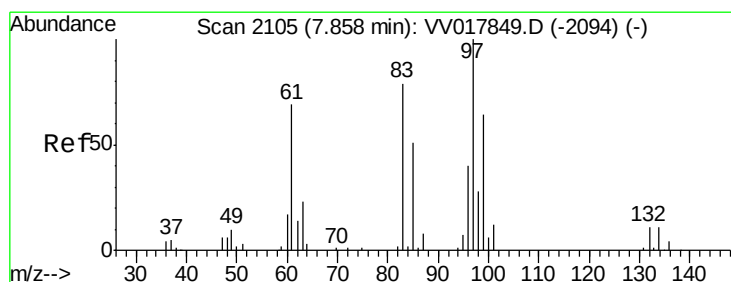
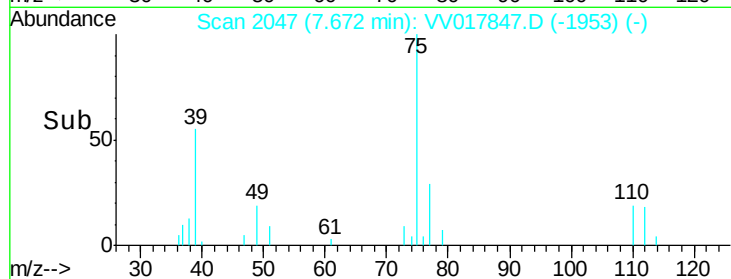
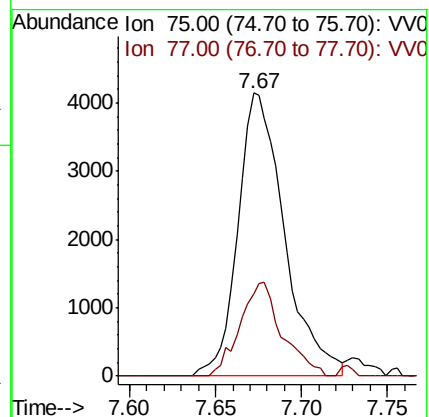
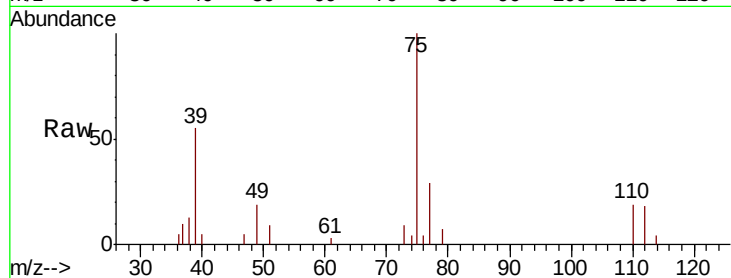
VSTD00562

Tot Ion: 75 Resp: 7790

Ion Ratio Lower Upper

75 100

77 29.0 22.3 41.5



#45

1,1,2-Trichloroethane

Concen: 4.853 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Tgt Ion: 97 Resp: 7819

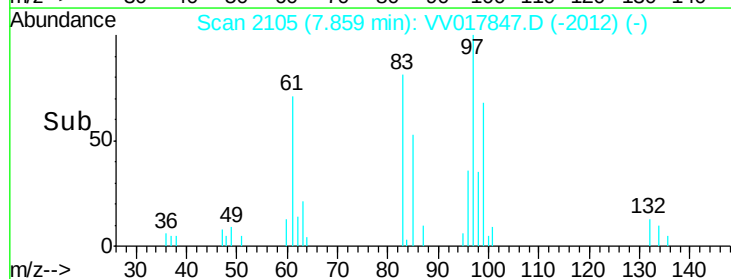
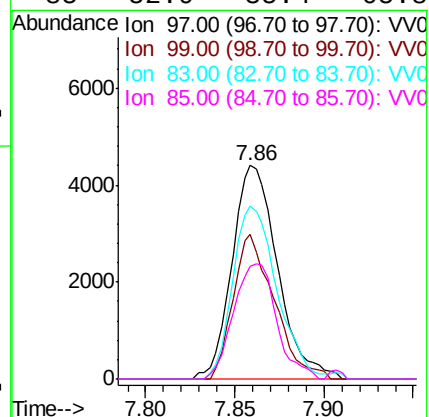
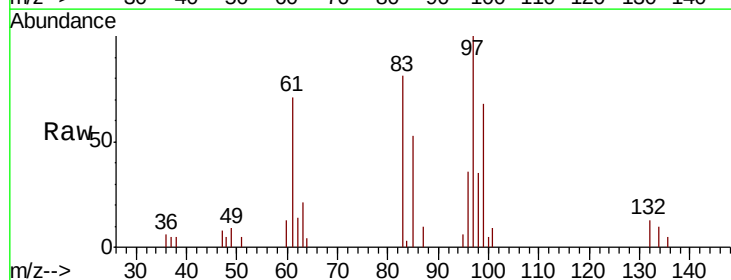
Ion Ratio Lower Upper

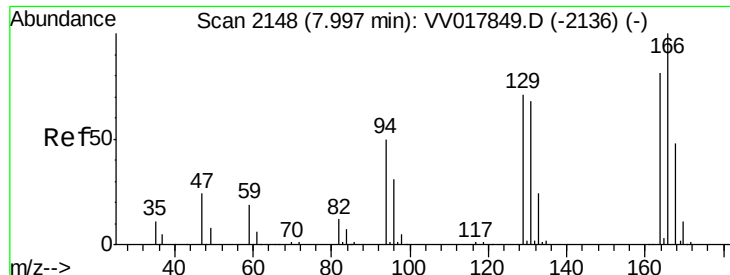
97 100

99 67.9 44.7 82.9

83 80.6 55.7 103.5

85 52.9 35.4 65.8





#46

Tetrachloroethene

Concen: 5.038 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tot Ion:164 Resp: 8006

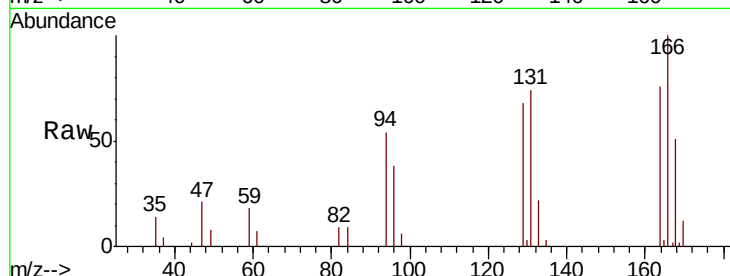
Ion Ratio Lower Upper

164 100

129 88.9 61.6 114.4

131 97.0 59.6 110.8

166 131.5 87.2 161.9

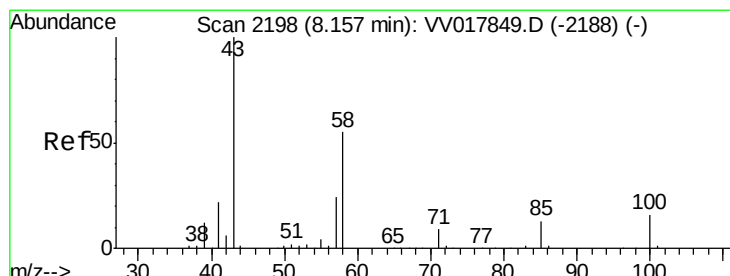
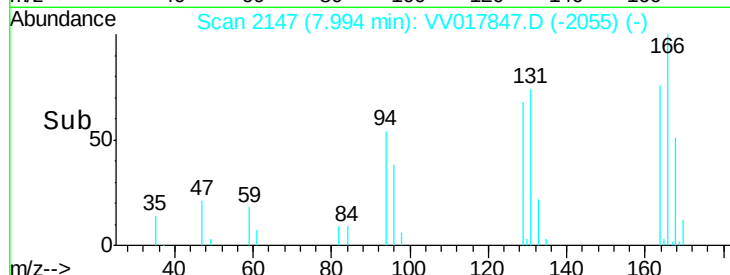
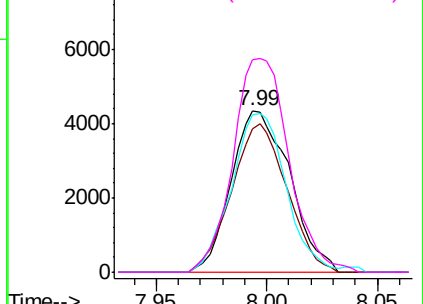


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 8.633 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Tgt Ion: 43 Resp: 13120

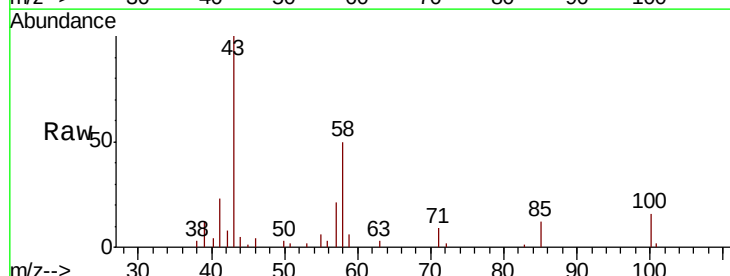
Ion Ratio Lower Upper

43 100

58 55.0 43.8 65.8

57 20.9 18.0 27.0

100 16.5 13.8 20.8

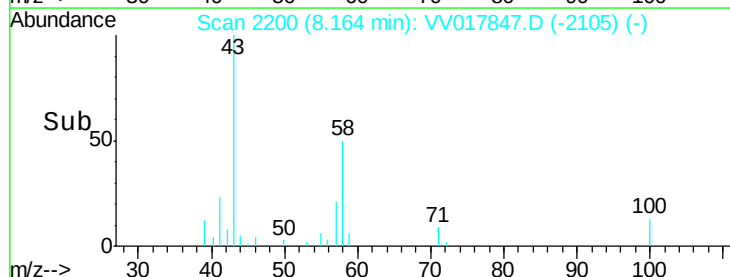
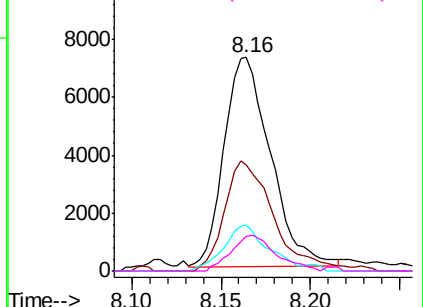


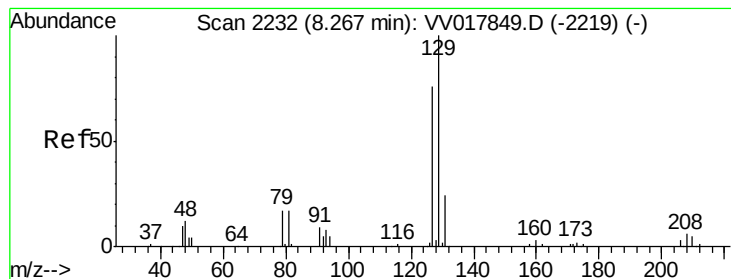
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 3.392 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

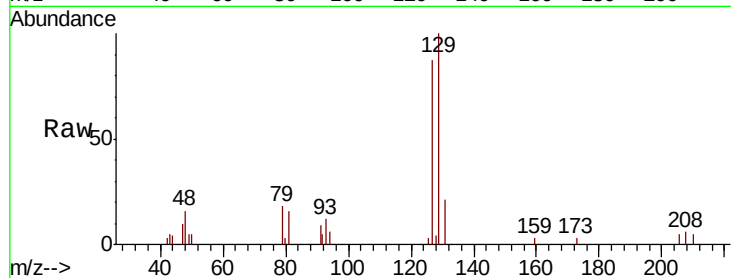
VSTD00562

Tot Ion:129 Resp: 6974

Ion Ratio Lower Upper

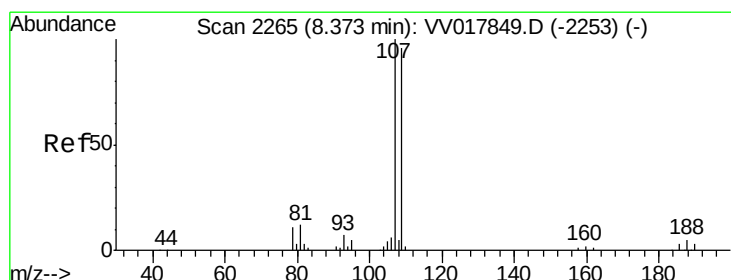
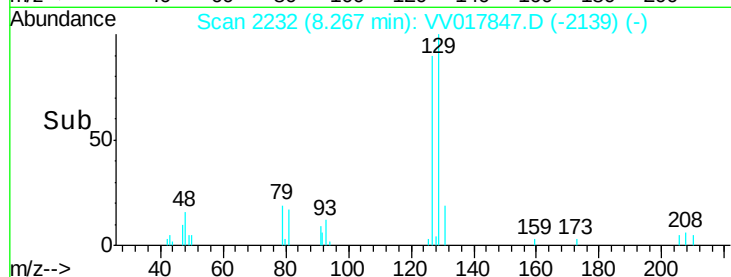
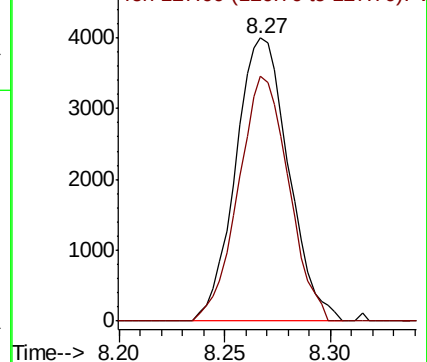
129 100

127 86.5 53.1 98.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 4.806 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

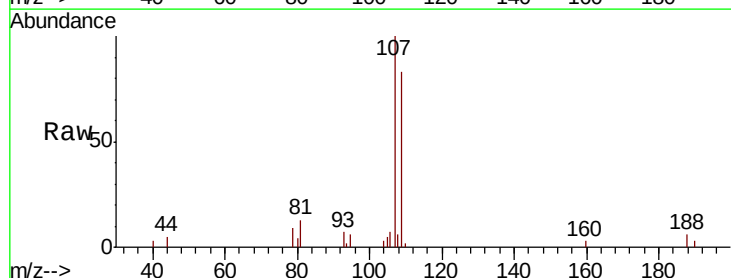
Tgt Ion:107 Resp: 8478

Ion Ratio Lower Upper

107 100

109 83.0 67.3 125.1

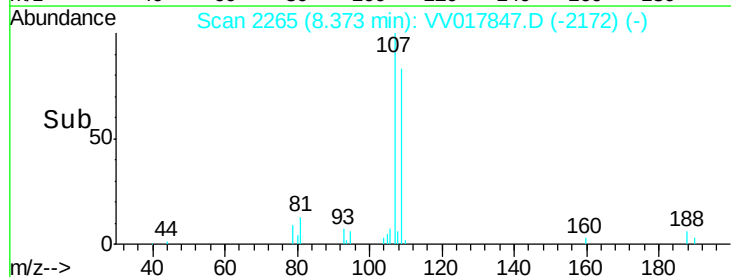
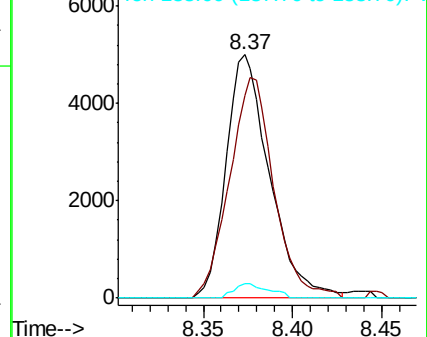
188 6.0 4.3 6.5

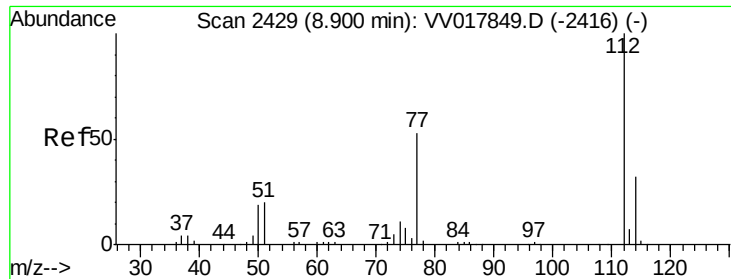


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

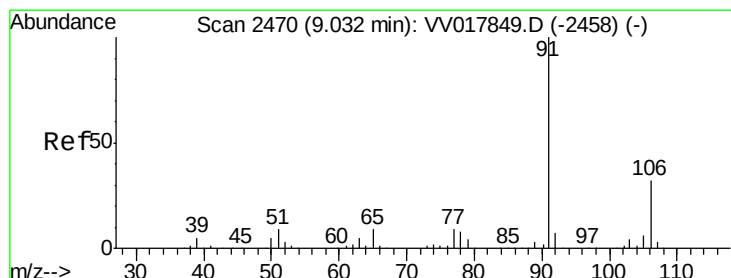
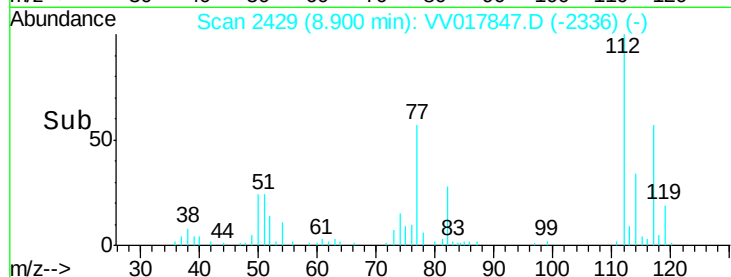
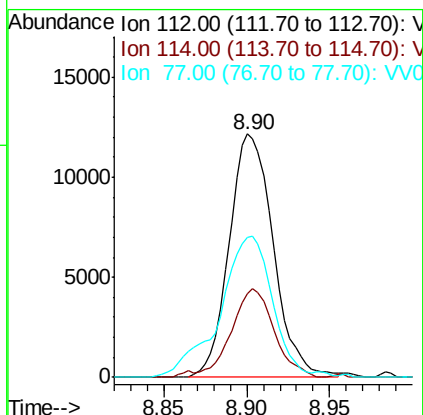
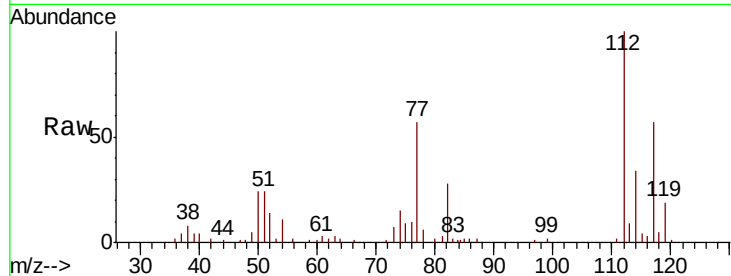




#51
Chlorobenzene
Concen: 4.751 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV017847.D
Acq: 08 Aug 2020 11:28

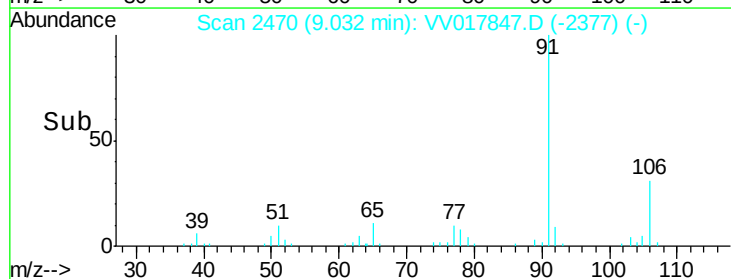
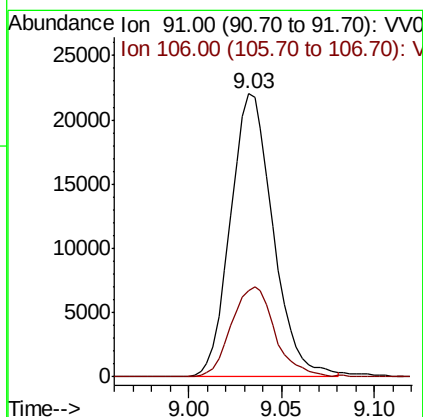
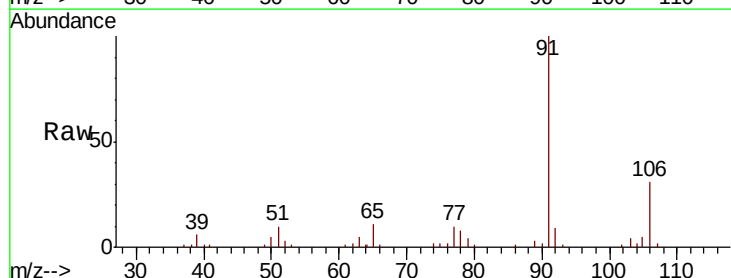
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

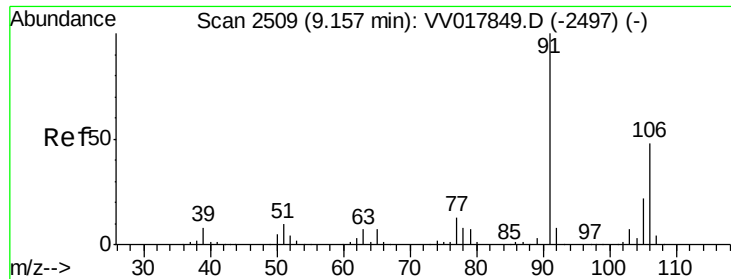
Tot Ion:112 Resp: 22497
Ion Ratio Lower Upper
112 100
114 34.4 22.4 41.6
77 57.4 42.7 64.1



#52
Ethylbenzene
Concen: 4.456 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017847.D
Acq: 08 Aug 2020 11:28

Tgt Ion: 91 Resp: 35146
Ion Ratio Lower Upper
91 100
106 30.7 22.4 41.6

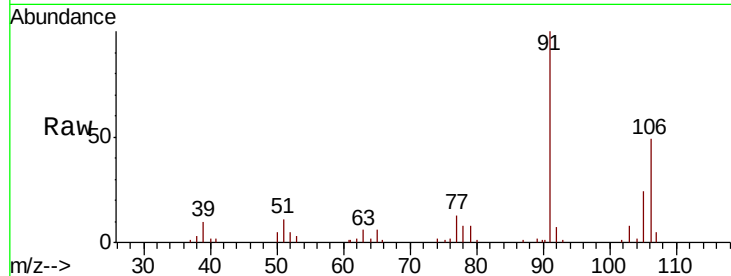




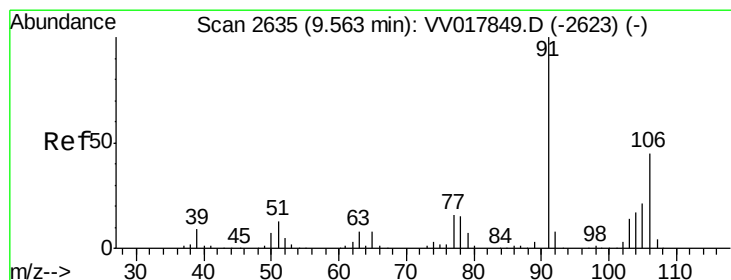
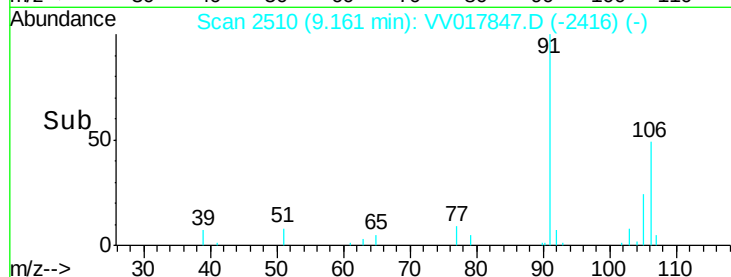
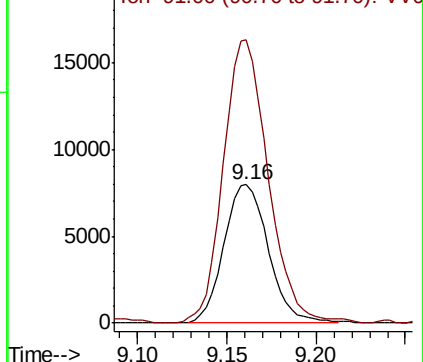
#53
m,p-Xylene
Concen: 4.570 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017847.D
Acq: 08 Aug 2020 11:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tot Ion:106 Resp: 13811
Ion Ratio Lower Upper
106 100
91 204.7 146.4 272.0

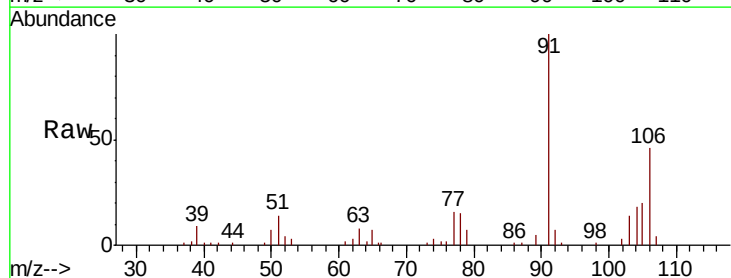


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

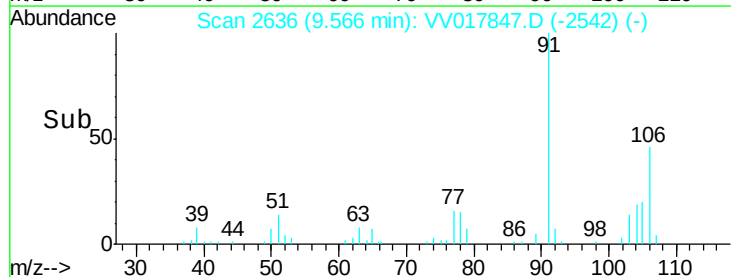
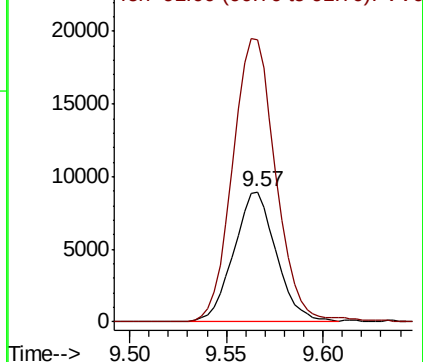


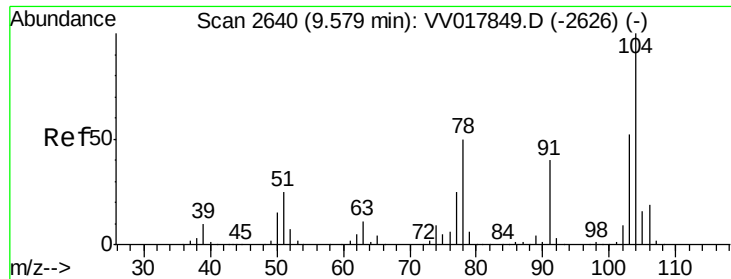
#54
o-xylene
Concen: 4.680 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017847.D
Acq: 08 Aug 2020 11:28

Tgt Ion:106 Resp: 13683
Ion Ratio Lower Upper
106 100
91 217.2 155.2 288.2



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





#55

Stvrene

Concen: 4.562 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

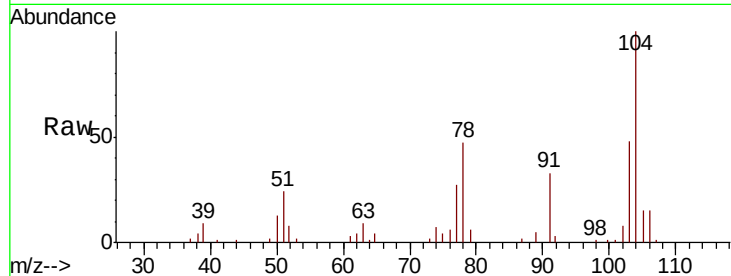
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tot Ion:104 Resp: 23158

Ion Ratio Lower Upper

104 100

78 47.3 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.58

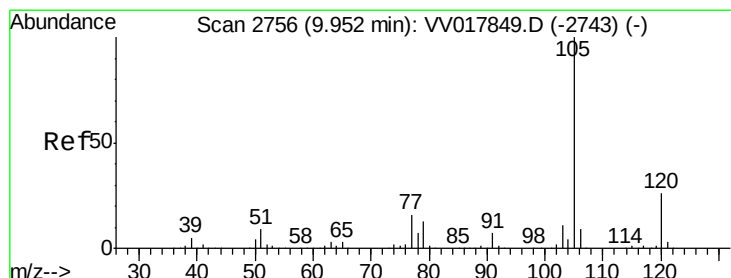
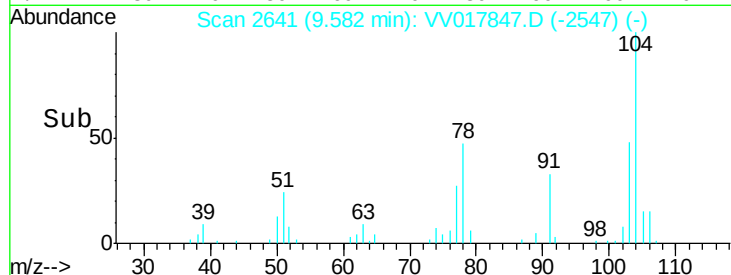
15000

10000

5000

0

Time--> 9.50 9.55 9.60 9.65



#56

Isopropylbenzene

Concen: 4.627 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

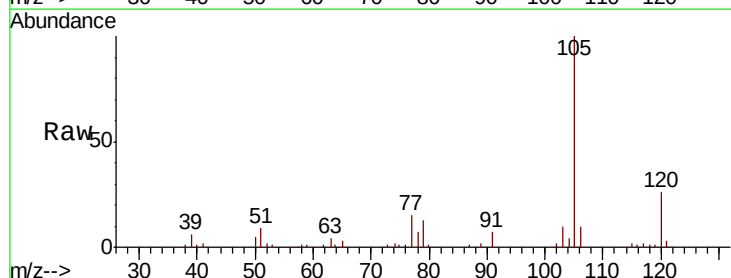
Tgt Ion:105 Resp: 37143

Ion Ratio Lower Upper

105 100

120 24.5 21.0 31.4

77 15.3 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): VV0

9.95

30000

25000

20000

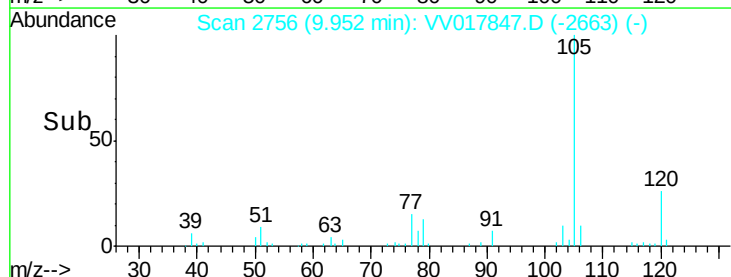
15000

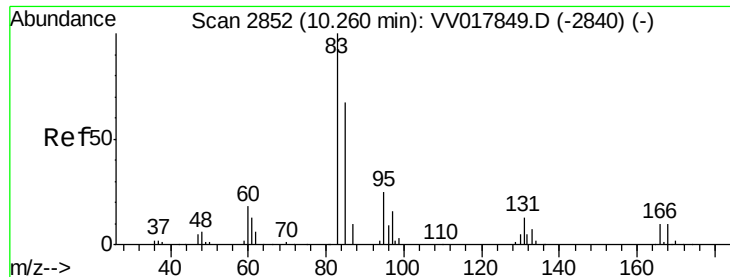
10000

5000

0

Time--> 9.90 9.95 10.00





#58

1,1,2,2-Tetrachloroethane

Concen: 4.328 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

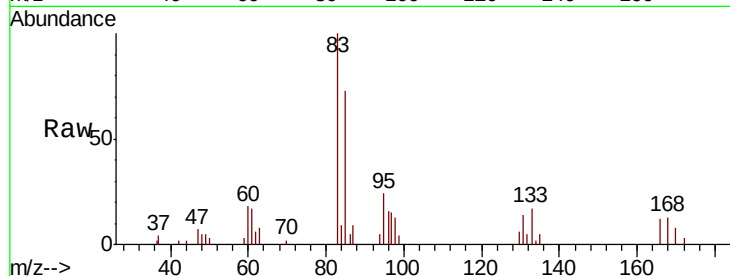
Tot Ion: 83 Resp: 10045

Ion Ratio Lower Upper

83 100

85 72.9 47.5 88.1

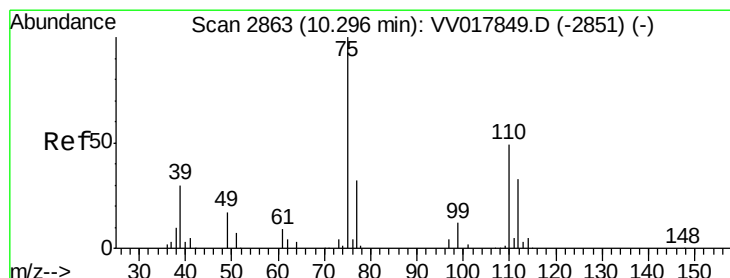
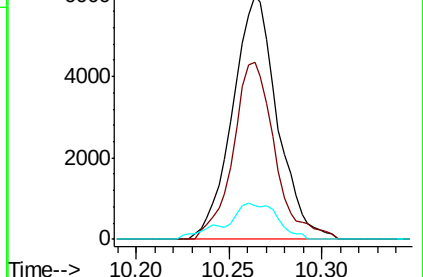
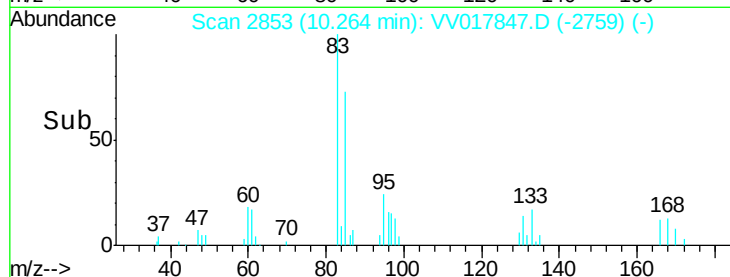
131 13.7 11.1 16.7



Abundance Ion 83.00 (82.70 to 83.70): VV017847.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV017847.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV017847.D (-2759) (-)



#59

1,2,3-Trichloropropane

Concen: 4.735 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017847.D

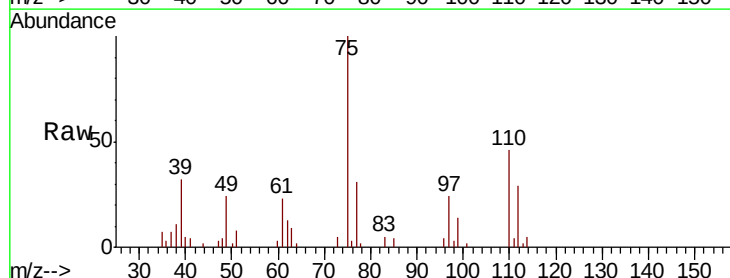
Acq: 08 Aug 2020 11:28

Tgt Ion: 75 Resp: 9710

Ion Ratio Lower Upper

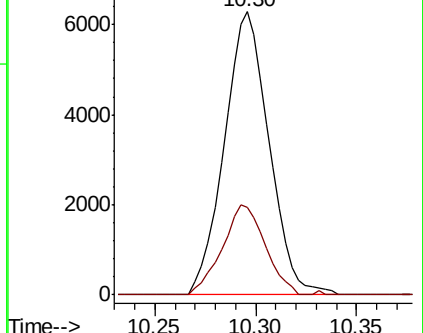
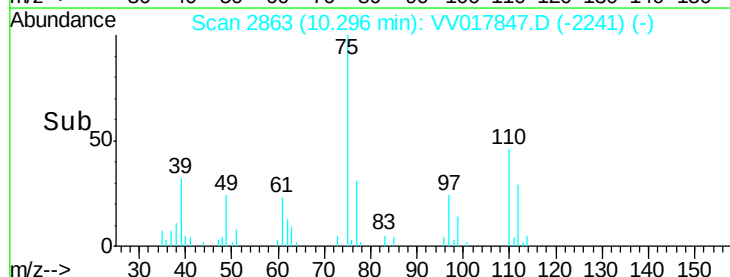
75 100

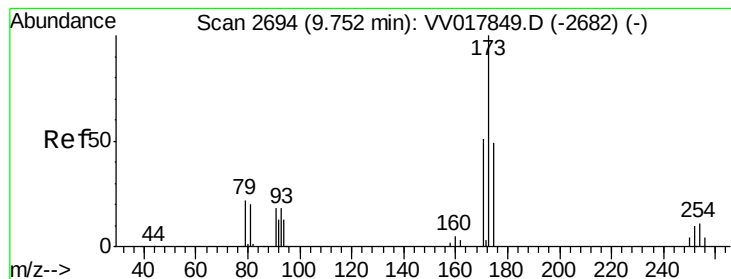
77 30.6 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV017847.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV017847.D (-2241) (-)





#61

Bromoform

Concen: 3.050 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

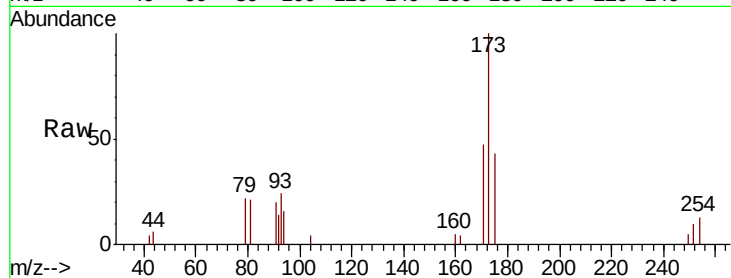
Tot Ion:173 Resp: 4422

Ion Ratio Lower Upper

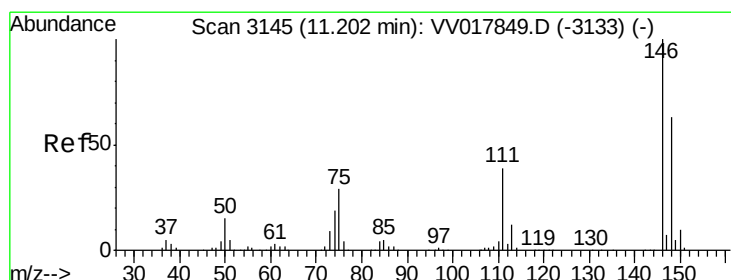
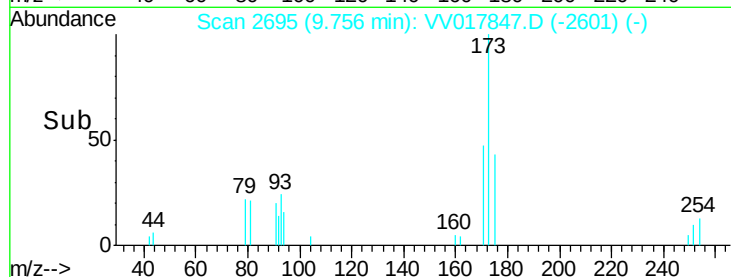
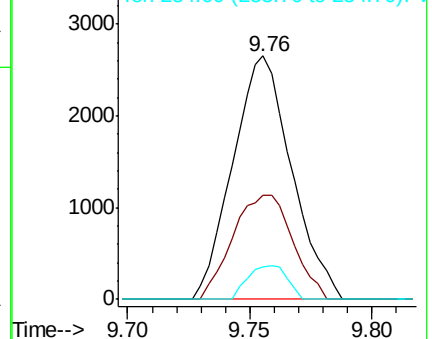
173 100

175 43.6 40.6 60.8

254 9.2 8.2 12.2



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 5.035 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017847.D

Acq: 08 Aug 2020 11:28

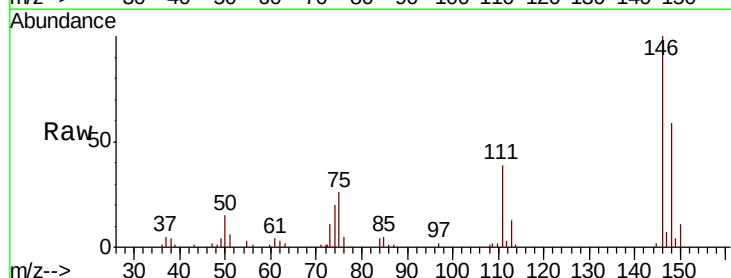
Tgt Ion:146 Resp: 20051

Ion Ratio Lower Upper

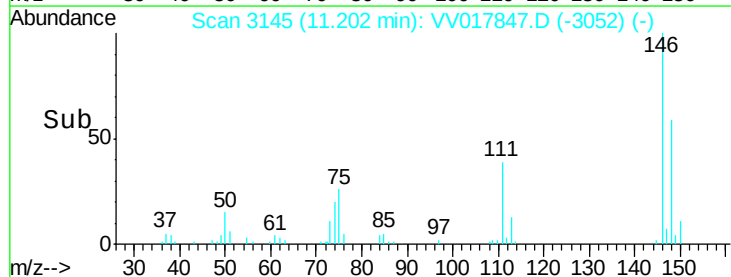
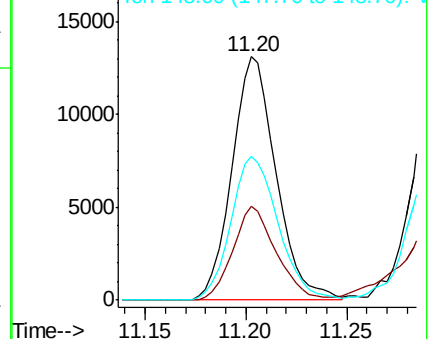
146 100

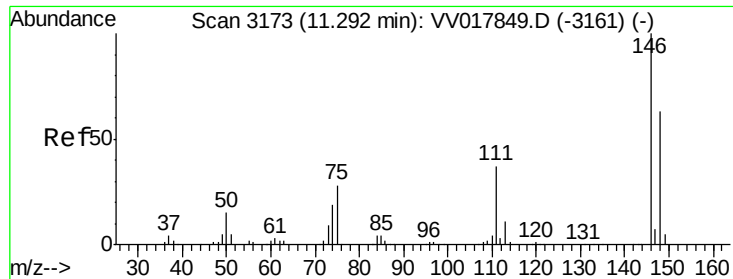
111 38.7 27.1 50.3

148 59.1 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

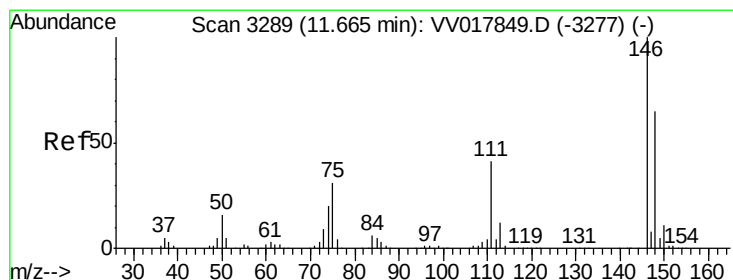
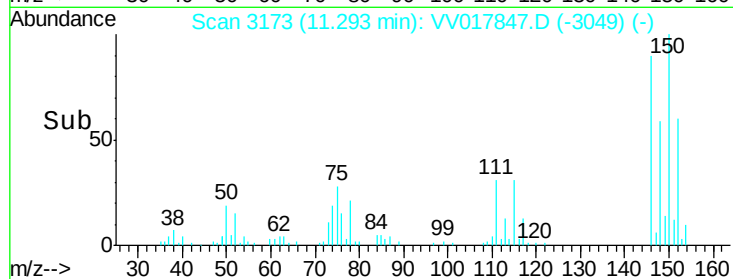
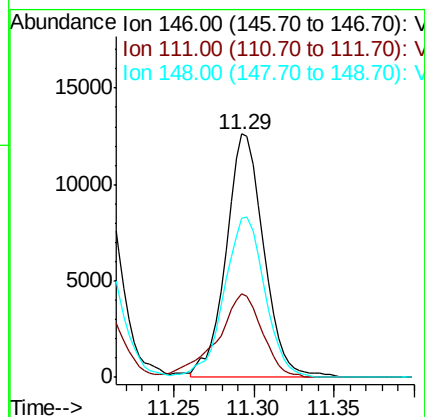
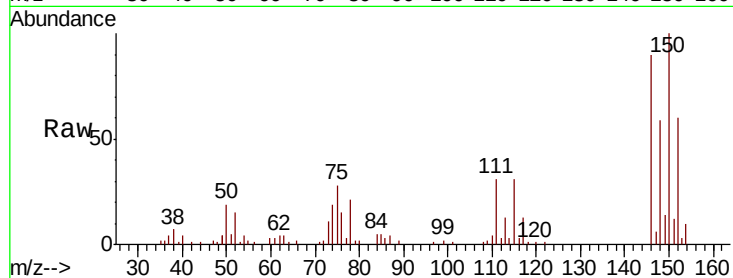




#63
 1,4-Dichlorobenzene
 Concen: 5.027 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

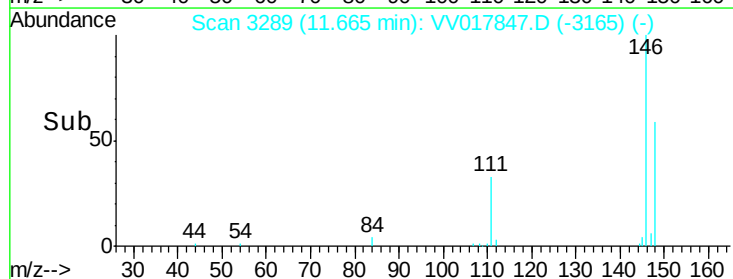
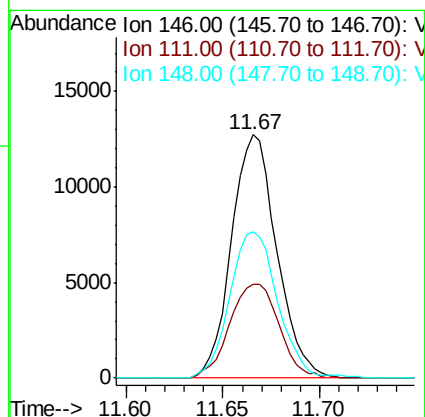
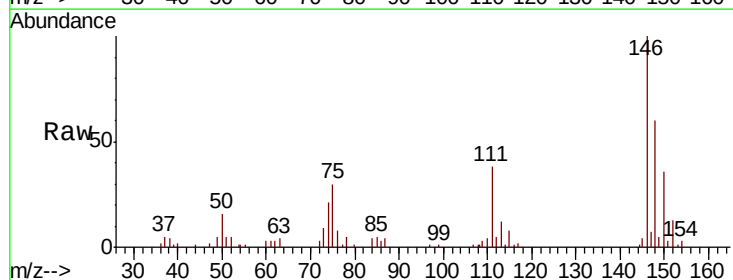
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

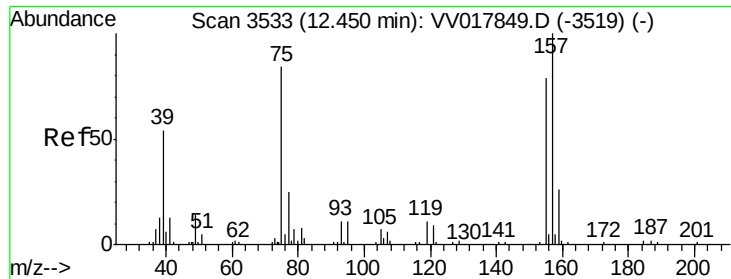
Tot Ion:146 Resp: 20277
 Ion Ratio Lower Upper
 146 100
 111 34.5 26.2 48.8
 148 65.1 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 5.207 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

Tgt Ion:146 Resp: 20681
 Ion Ratio Lower Upper
 146 100
 111 38.4 32.9 49.3
 148 60.3 51.9 77.9

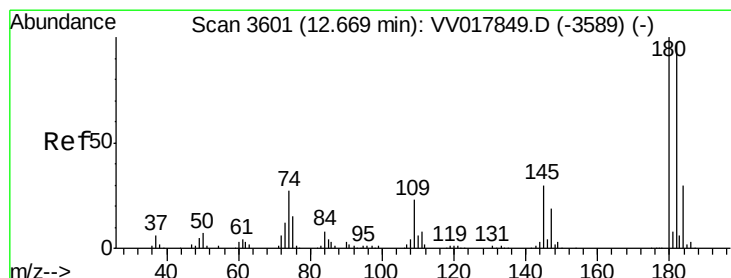
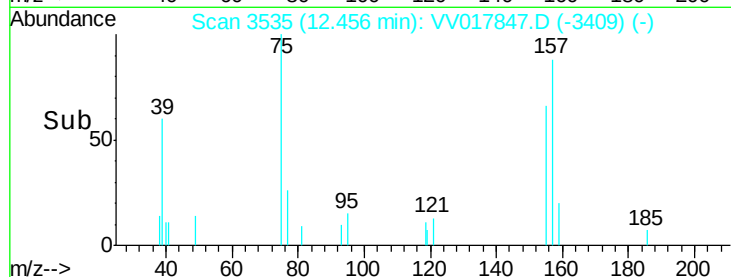
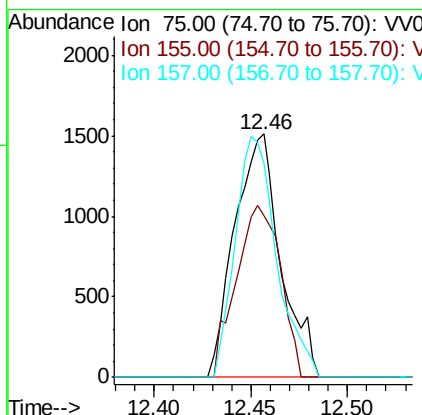
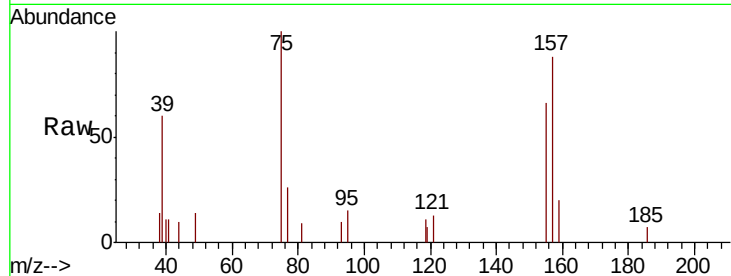




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.109 ug/L
 RT: 12.46 min Scan# 3535
 Delta R.T. 0.01 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

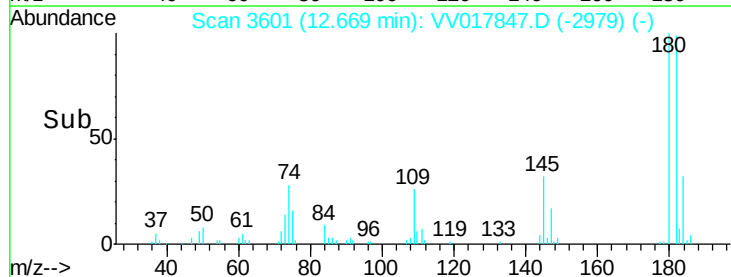
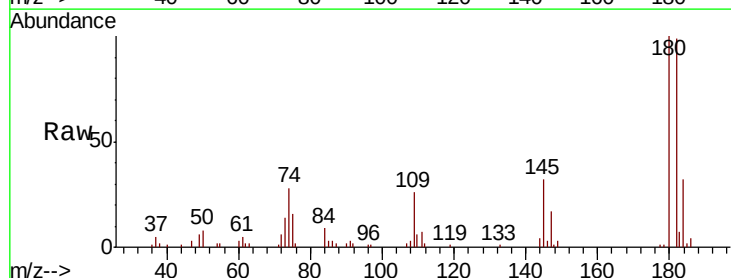
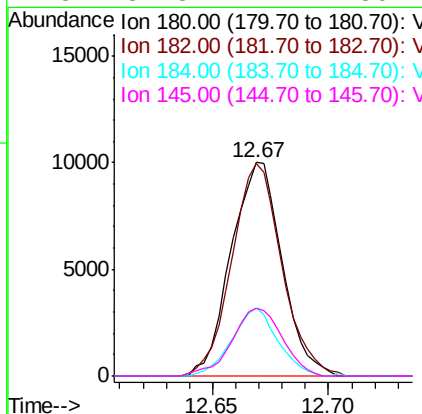
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

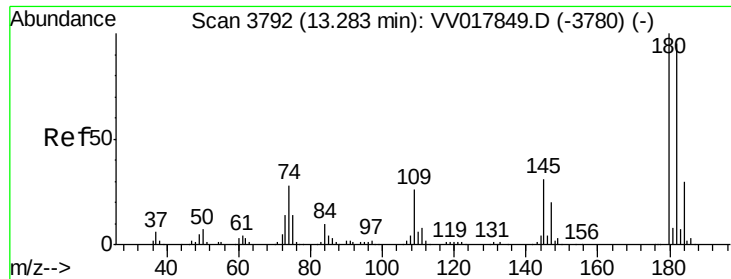
Tot Ion: 75 Resp: 2502
 Ion Ratio Lower Upper
 75 100
 155 66.4 75.0 112.6#
 157 88.1 95.0 142.4#



#67
 1,3,5-Trichlorobenzene
 Concen: 4.893 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

Tgt Ion: 180 Resp: 15269
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.7 115.1
 184 28.5 24.4 36.6
 145 31.3 24.2 36.4

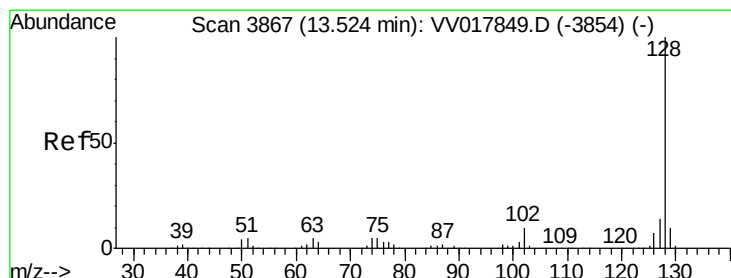
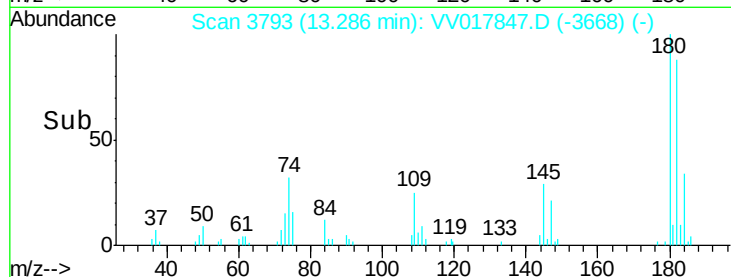
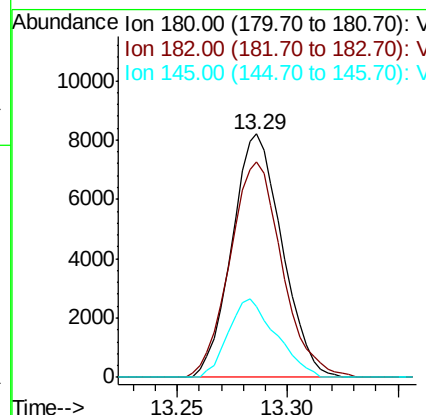
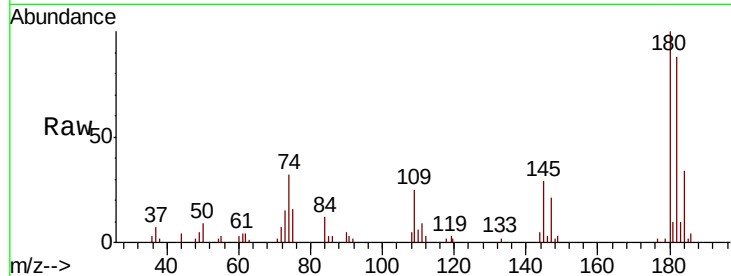




#68
 1,2,4-trichlorobenzene
 Concen: 4.759 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

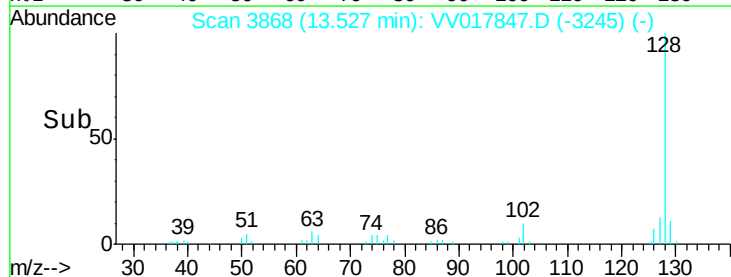
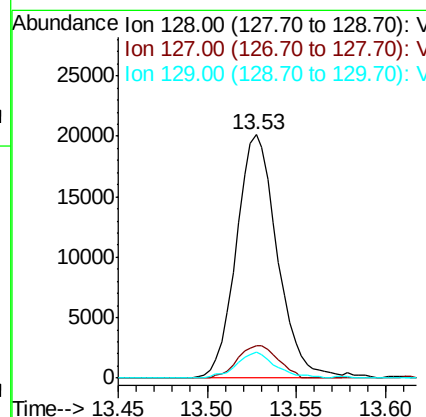
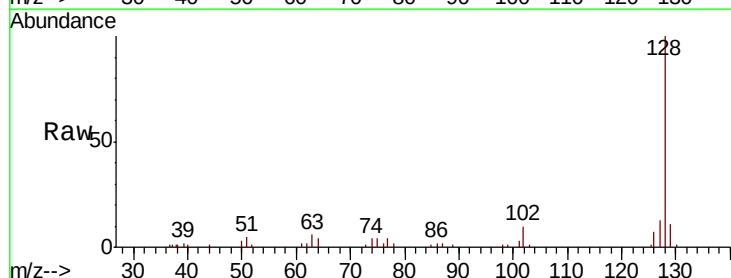
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

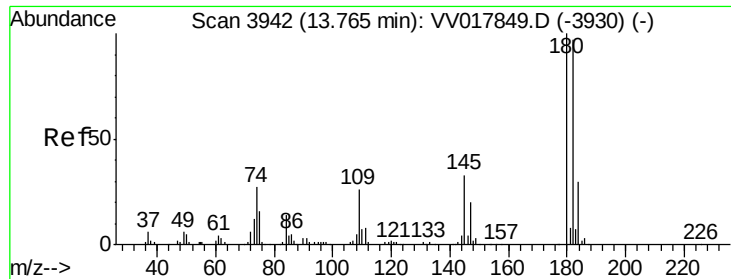
Tot Ion:180 Resp: 12924
 Ion Ratio Lower Upper
 180 100
 182 92.1 75.6 113.4
 145 30.6 24.1 36.1



#69
 Naphthalene
 Concen: 4.529 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

Tgt Ion:128 Resp: 32205
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.8 16.2
 129 10.1 8.5 12.7





#70
 1,2,3-Trichlorobenzene
 Concen: 4.912 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV017847.D
 Acq: 08 Aug 2020 11:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.1	76.7	115.1
145	32.4	26.1	39.1

