

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
 Data File : VV017740.D
 Acq On : 30 Jul 2020 10:04
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Quant Time: Jul 31 02:00:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 01:58:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	324877	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	314023	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169272	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8632	4.55	ug/L	0.00
7) Chloroethane-d5	1.58	69	7696	5.63	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	20022	5.06	ug/L	0.00
21) 2-Butanone-d5	3.93	46	10414	7.17	ug/L	0.02
24) Chloroform-d	4.37	84	21793	4.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	15336	4.87	ug/L	0.00
32) Benzene-d6	5.07	84	36655	4.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	9675	3.96	ug/L	0.00
41) Toluene-d8	7.34	98	35026	4.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	6805	4.72	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	7165	6.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	15023	4.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	17037	4.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	18758	5.609	ug/L 97
3) Chloromethane	1.25	50	12435	5.021	ug/L 97
5) Vinyl chloride	1.32	62	13433	5.579	ug/L 94
6) Bromomethane	1.53	94	7814	5.213	ug/L 83
8) Chloroethane	1.60	64	8452	6.579	ug/L 96
9) Trichlorofluoromethane	1.77	101	26025	6.284	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	12019	5.962	ug/L 98
12) 1,1-Dichloroethene	2.13	96	11293	6.049	ug/L 92
13) Acetone	2.19	43	19617	13.985	ug/L 83
14) Carbon disulfide	2.31	76	33278	5.047	ug/L 99
15) Methyl Acetate	2.45	43	11293	5.040	ug/L 95
16) Methylene chloride	2.52	84	13057	5.395	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	12627	5.504	ug/L 93
18) Methyl tert-butyl Ether	2.78	73	37108	4.823	ug/L 96
19) 1,1-Dichloroethane	3.21	63	21099	5.137	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	12850	5.223	ug/L 84
22) 2-Butanone	4.01	43	12261	7.424	ug/L 99
23) Bromochloromethane	4.27	128	7607	5.575	ug/L 94
25) Chloroform	4.40	83	24217	5.394	ug/L 93
27) 1,2-Dichloroethane	5.15	62	20891	5.378	ug/L 97
29) Cyclohexane	4.69	56	9159	2.494	ug/L # 31
30) 1,1,1-Trichloroethane	4.63	97	24868	5.712	ug/L 99
31) Carbon tetrachloride	4.85	117	22324	5.646	ug/L 97
33) Benzene	5.12	78	45104	4.952	ug/L 100
34) Trichloroethene	5.94	95	13168	5.217	ug/L 92
35) Methylcyclohexane	6.15	83	18534	4.763	ug/L 96
37) 1,2-Dichloropropane	6.20	63	9966	4.351	ug/L 98
38) Bromodichloromethane	6.53	83	18705	5.375	ug/L 95
39) cis-1,3-Dichloropropene	7.05	75	17552	4.525	ug/L 99
40) 4-Methyl-2-pentanone	7.24	43	27090	8.643	ug/L 95

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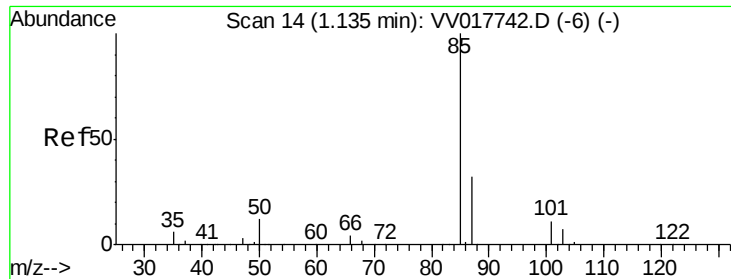
Instrument :
 MSVOA_V
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Quant Time: Jul 31 02:00:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	49149	4.891	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	16869	4.301	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	12104	5.150	ug/L	95
46) Tetrachloroethene	7.99	164	11965	5.553	ug/L	93
48) 2-Hexanone	8.16	43	20957	8.326	ug/L	95
49) Dibromochloromethane	8.27	129	14918	5.117	ug/L	95
50) 1,2-Dibromoethane	8.37	107	13048	5.114	ug/L #	97
51) Chlorobenzene	8.90	112	35609	5.322	ug/L	97
52) Ethylbenzene	9.03	91	55781	4.943	ug/L	99
53) m,p-Xylene	9.16	106	20930	4.846	ug/L	92
54) o-xylene	9.56	106	19884	4.741	ug/L	87
55) Styrene	9.58	104	35112	4.908	ug/L	93
56) Isopropylbenzene	9.95	105	54441	4.787	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	17000	4.679	ug/L #	95
59) 1,2,3-Trichloropropane	10.30	75	15225	4.990	ug/L	97
61) Bromoform	9.75	173	11108	5.093	ug/L	94
62) 1,3-Dichlorobenzene	11.21	146	29448	5.234	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	29943	5.203	ug/L	94
65) 1,2-Dichlorobenzene	11.67	146	29141	5.115	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	4584	4.982	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	21990	4.928	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	18545	4.678	ug/L	98
69) Naphthalene	13.53	128	46193	4.254	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	18774	4.773	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.609 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

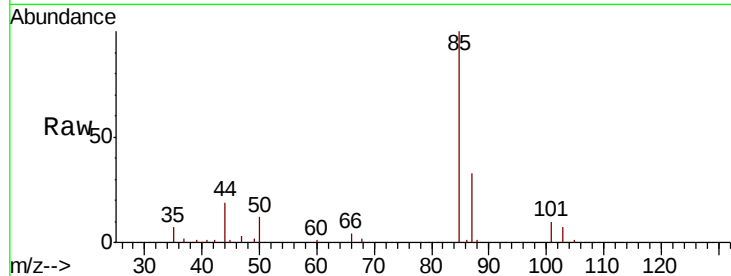
VSTD00561

Tot Ion: 85 Resp: 18758

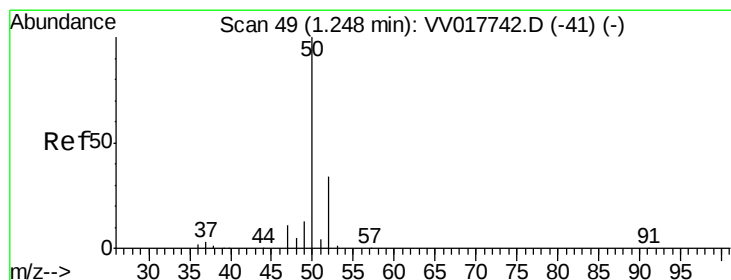
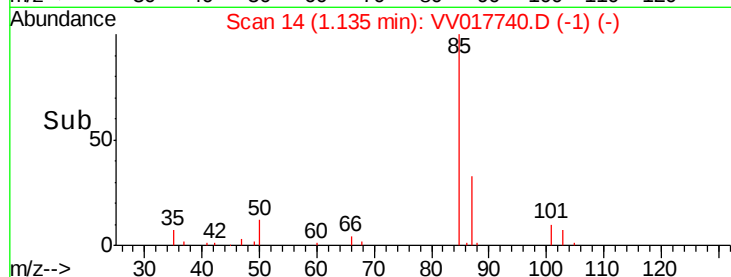
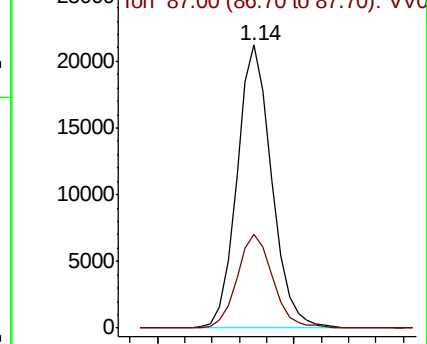
Ion Ratio Lower Upper

85 100

87 34.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV017742.D (-6) (-)



#3

Chloromethane

Concen: 5.021 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017740.D

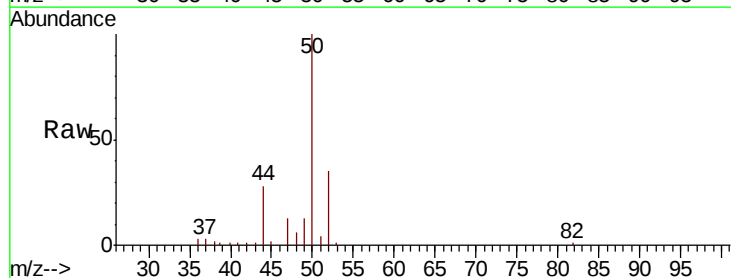
Acq: 30 Jul 2020 10:04

Tgt Ion: 50 Resp: 12435

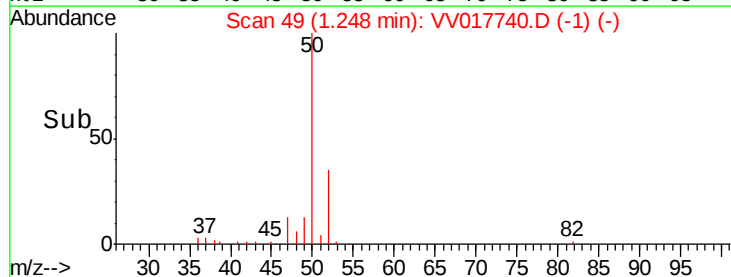
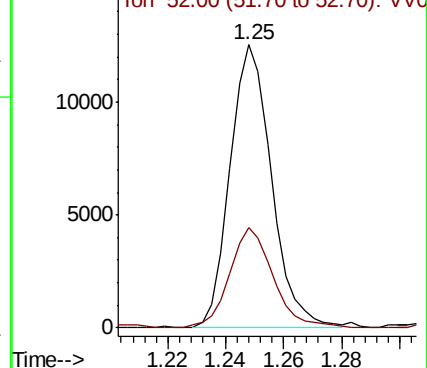
Ion Ratio Lower Upper

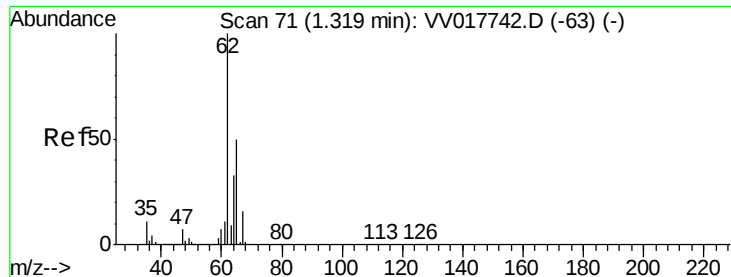
50 100

52 35.3 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV017742.D (-41) (-)





#5

Vinyl chloride

Concen: 5.579 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampled :

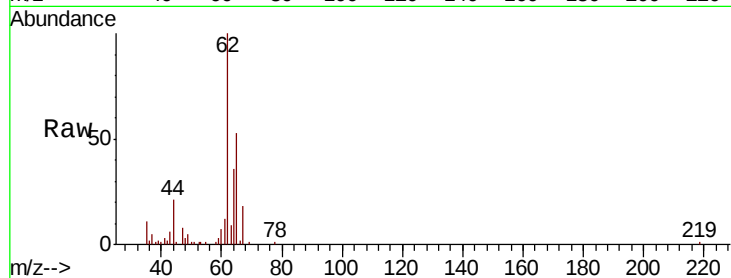
VSTD00561

Tot Ion: 62 Resp: 13433

Ion Ratio Lower Upper

62 100

64 36.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

15000

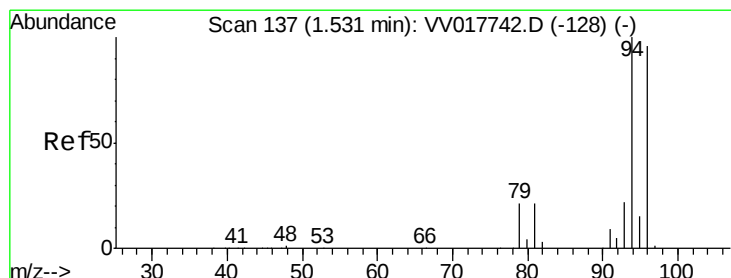
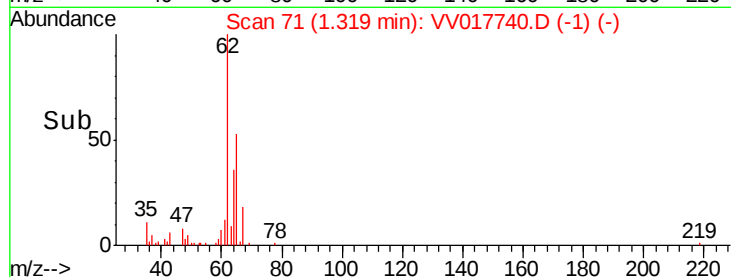
10000

5000

0

Time-->

1.30 1.35



#6

Bromomethane

Concen: 5.213 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017740.D

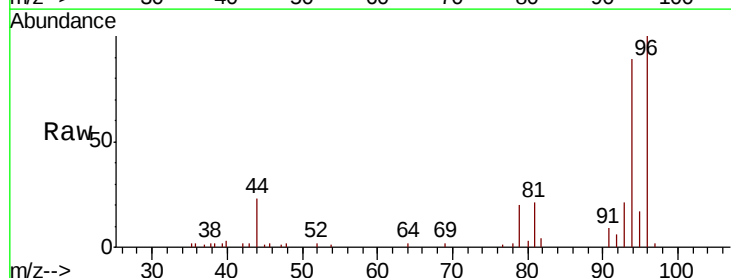
Acq: 30 Jul 2020 10:04

Tgt Ion: 94 Resp: 7814

Ion Ratio Lower Upper

94 100

96 112.4 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

8000

6000

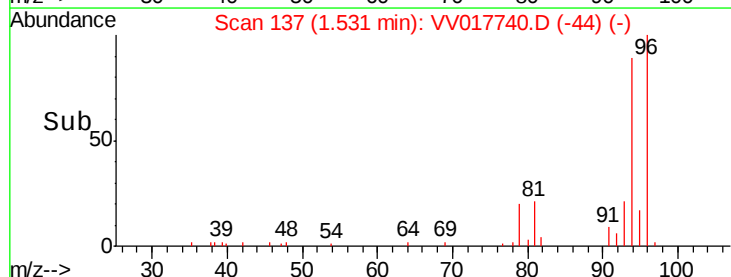
4000

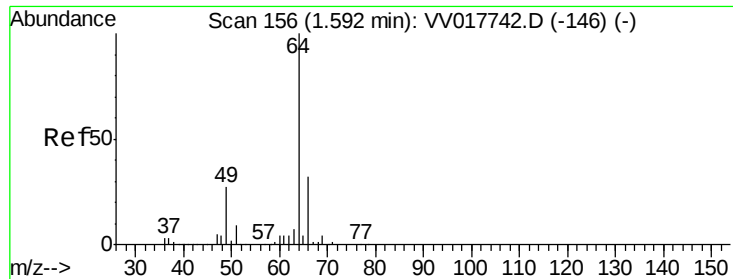
2000

0

Time-->

1.50 1.55

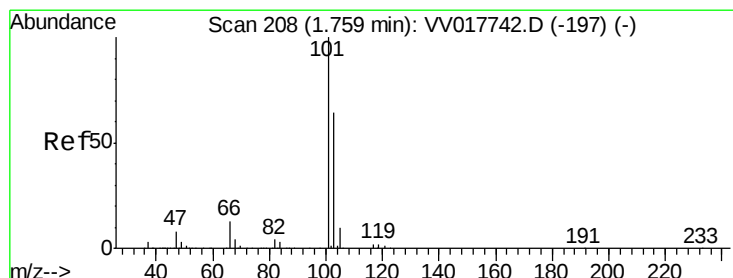
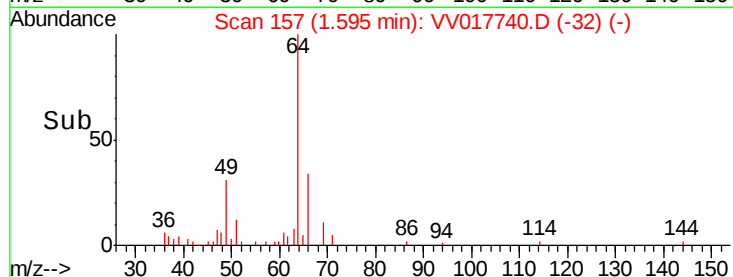
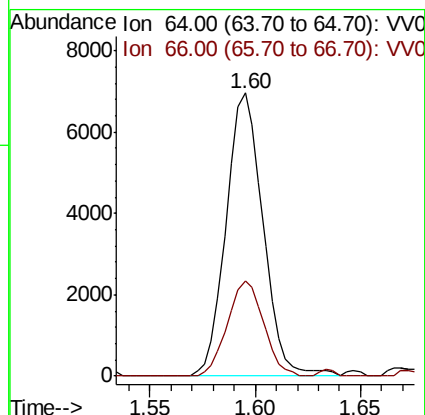
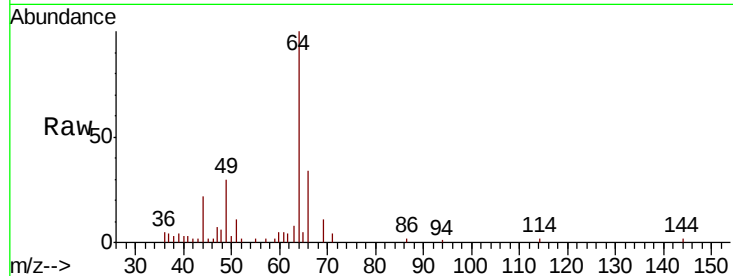




#8
Chloroethane
Concen: 6.579 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017740.D
Acq: 30 Jul 2020 10:04

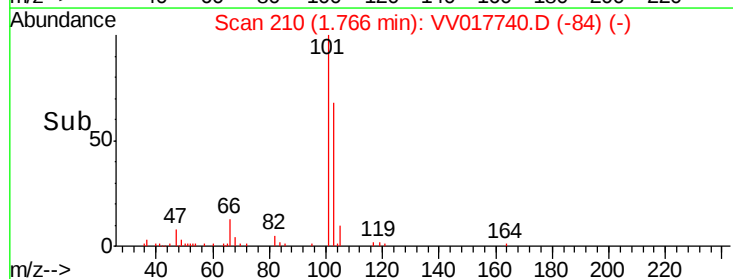
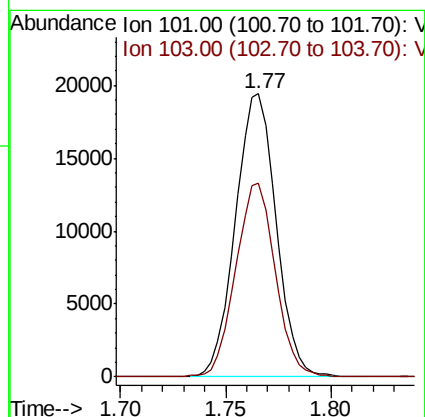
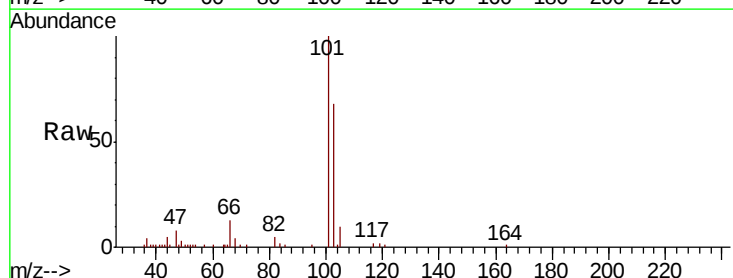
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

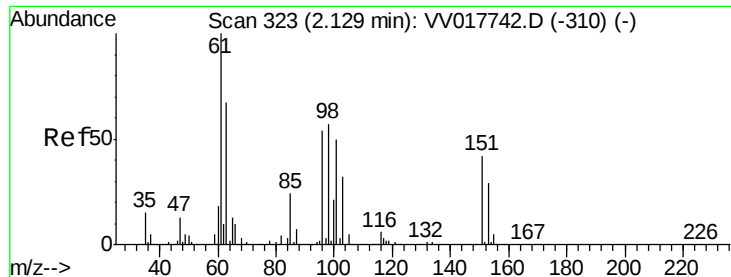
Tot Ion: 64 Resp: 8452
Ion Ratio Lower Upper
64 100
66 33.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 6.284 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.01 min
Lab File: VV017740.D
Acq: 30 Jul 2020 10:04

Tgt Ion:101 Resp: 26025
Ion Ratio Lower Upper
101 100
103 66.6 51.6 77.4





#10

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

Concen: 5.962 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

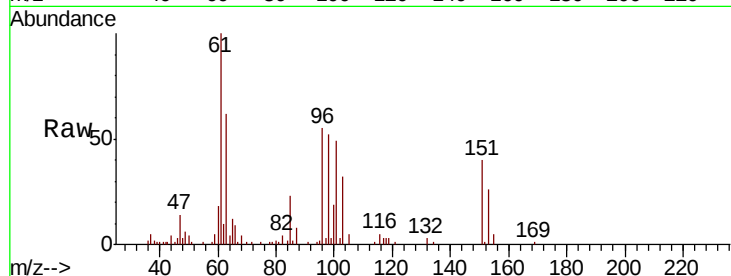
Tot Ion:101 Resp: 12019

Ion Ratio Lower Upper

101 100

85 47.5 37.2 55.8

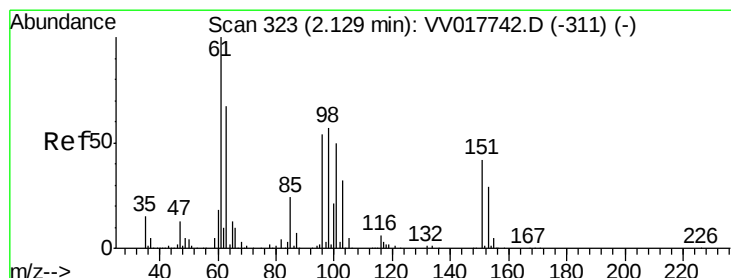
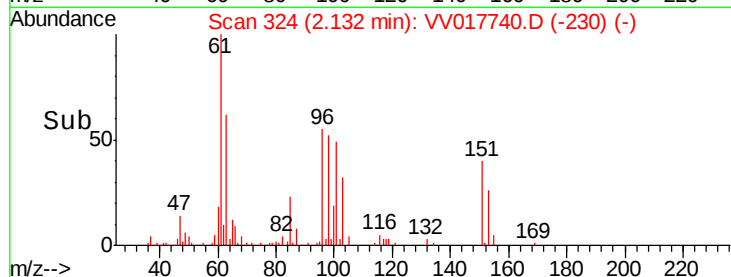
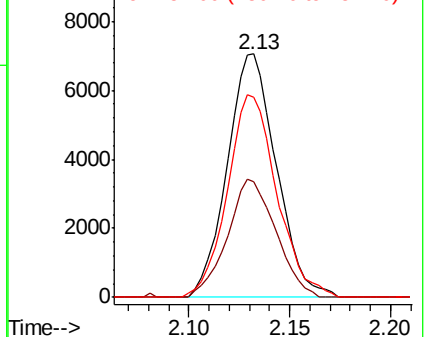
151 83.7 68.2 102.2



Abundance Ion 101.00 (100.70 to 101.70): VV017740.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017740.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017740.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 6.049 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

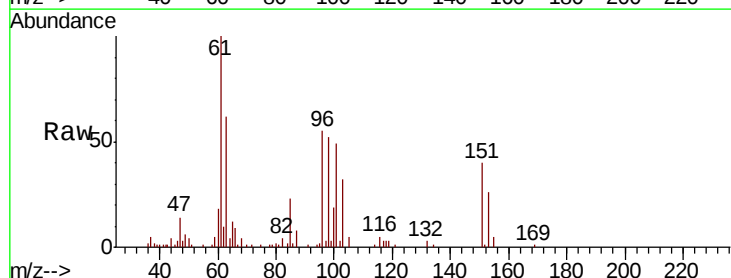
Tgt Ion: 96 Resp: 11293

Ion Ratio Lower Upper

96 100

61 180.5 131.0 243.2

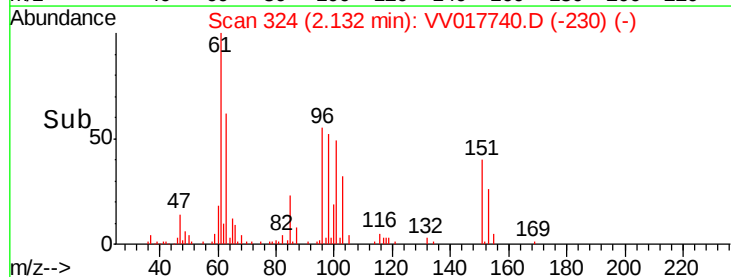
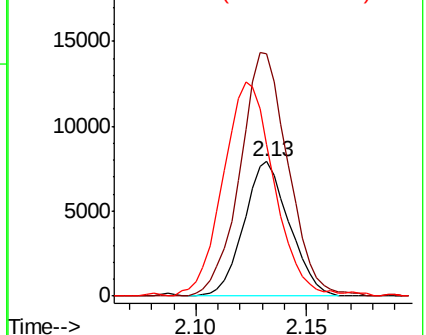
63 112.4 88.5 164.3

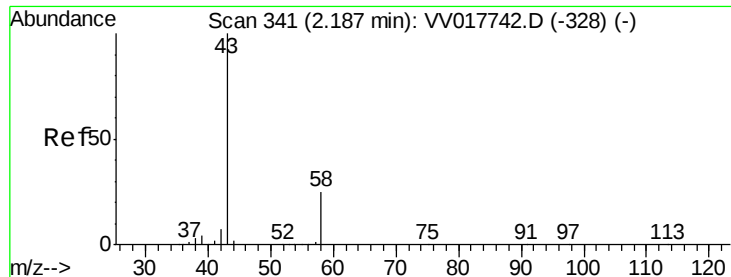


Abundance Ion 96.00 (95.70 to 96.70): VV017740.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017740.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017740.D (-230) (-)





#13

Acetone

Concen: 13.985 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

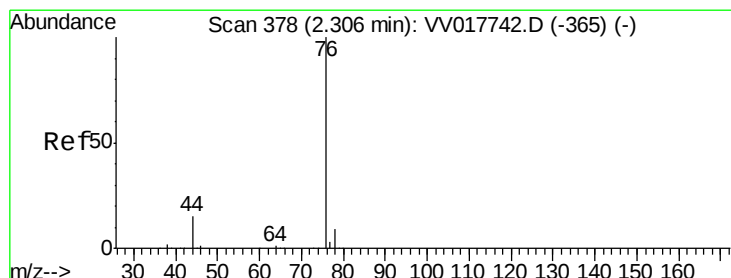
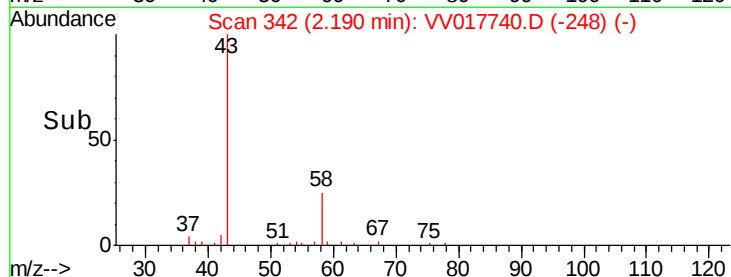
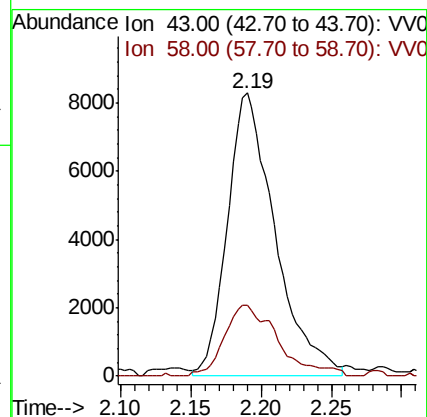
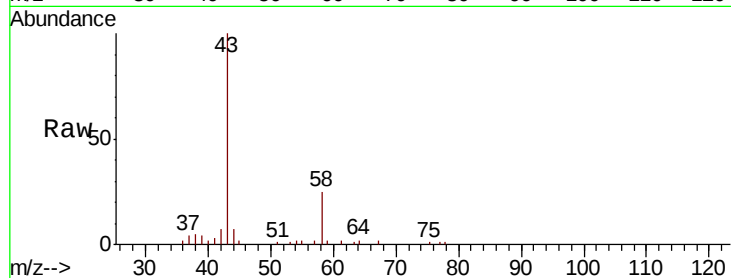
VSTD00561

Tot Ion: 43 Resp: 19617

Ion Ratio Lower Upper

43 100

58 17.7 0.0 52.6



#14

Carbon disulfide

Concen: 5.047 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017740.D

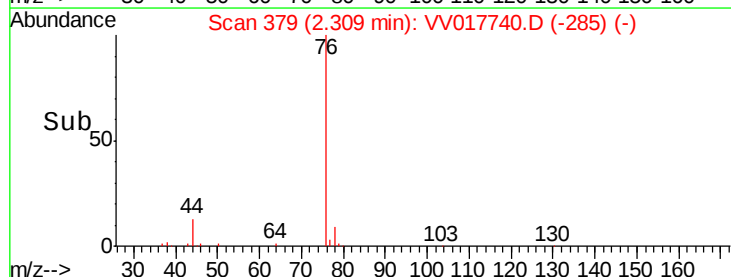
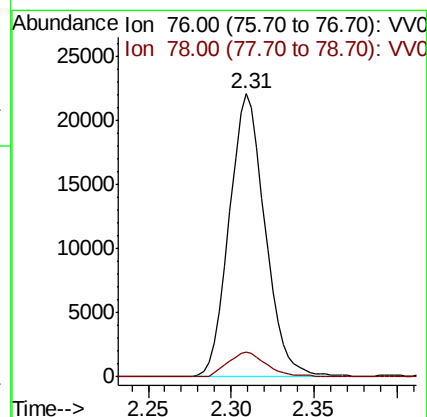
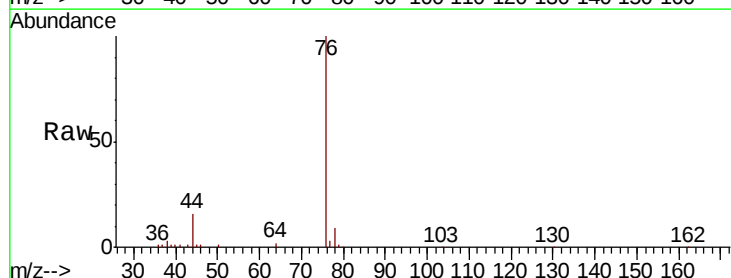
Acq: 30 Jul 2020 10:04

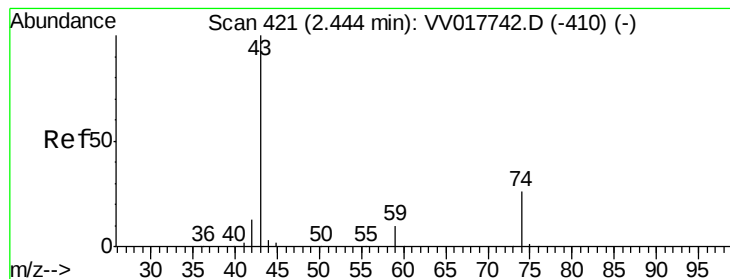
Tgt Ion: 76 Resp: 33278

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9





#15

Methvl Acetate

Concen: 5.040 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.01 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

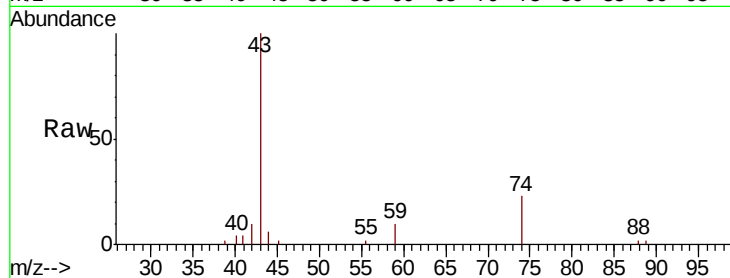
VSTD00561

Tot Ion: 43 Resp: 11293

Ion Ratio Lower Upper

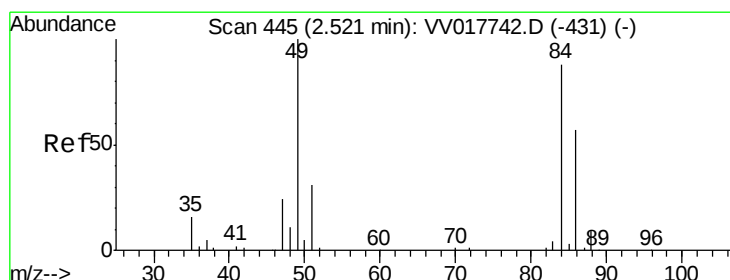
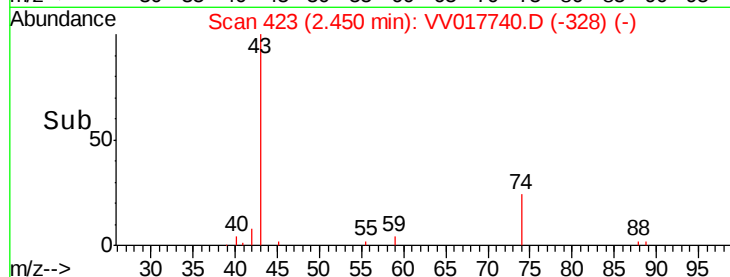
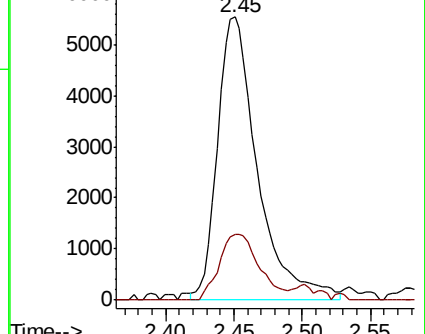
43 100

74 23.3 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 5.395 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

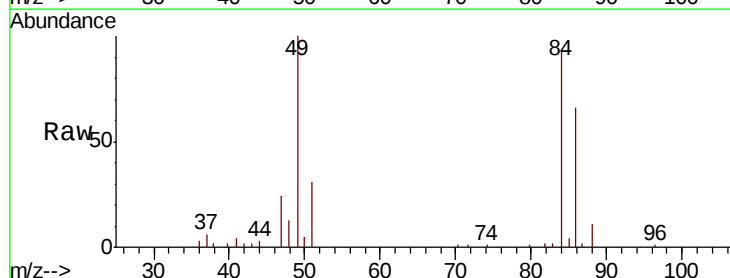
Tgt Ion: 84 Resp: 13057

Ion Ratio Lower Upper

84 100

86 70.7 45.4 84.4

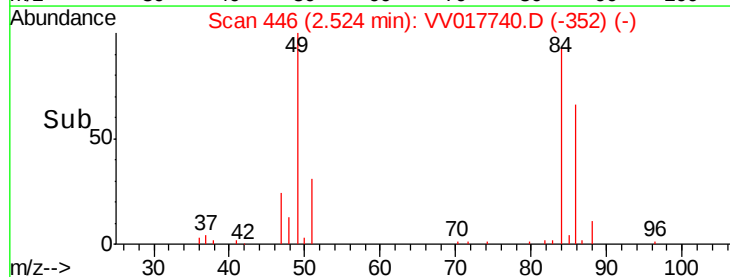
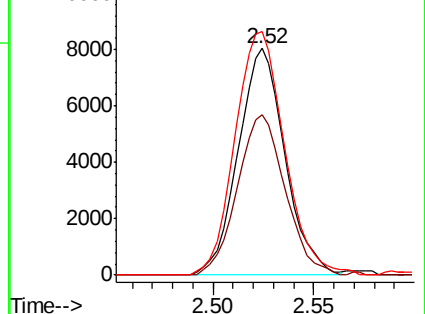
49 107.3 79.2 147.2

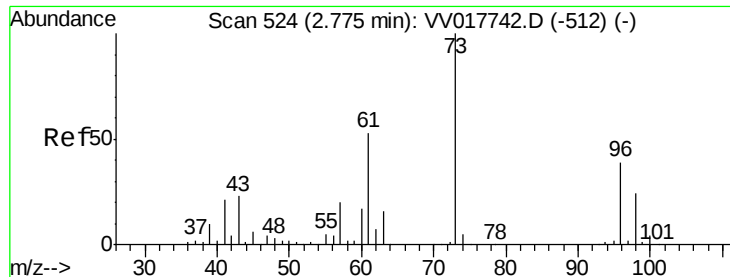


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

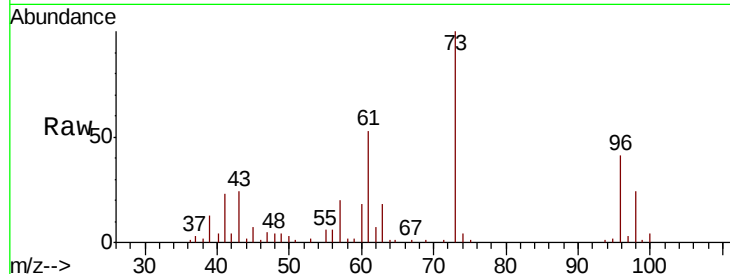




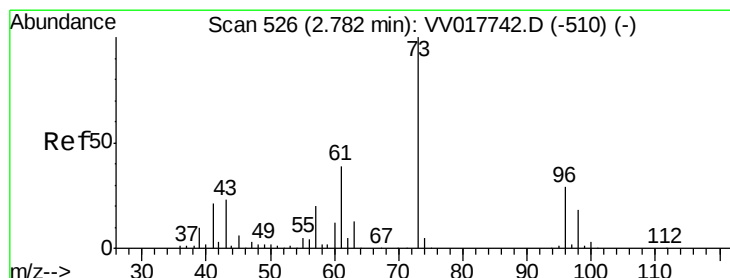
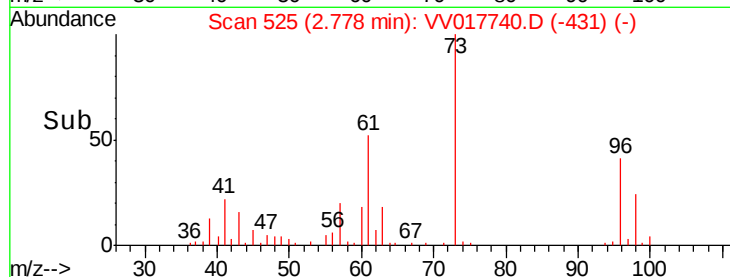
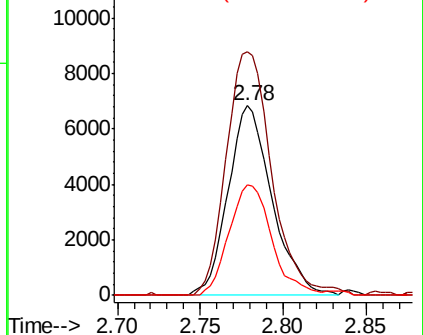
#17
trans-1,2-Dichloroethene
Concen: 5.504 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017740.D
Acq: 30 Jul 2020 10:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Tot Ion: 96 Resp: 12627
Ion Ratio Lower Upper
96 100
61 128.3 96.2 178.8
98 58.0 43.2 80.2

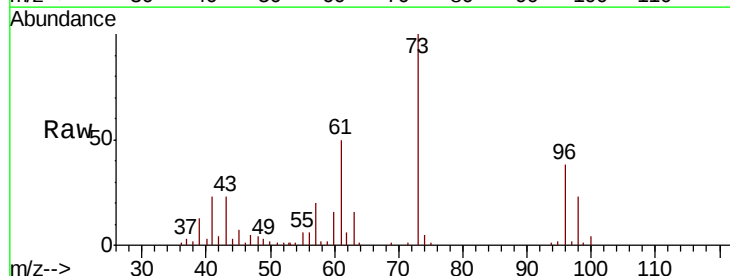


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

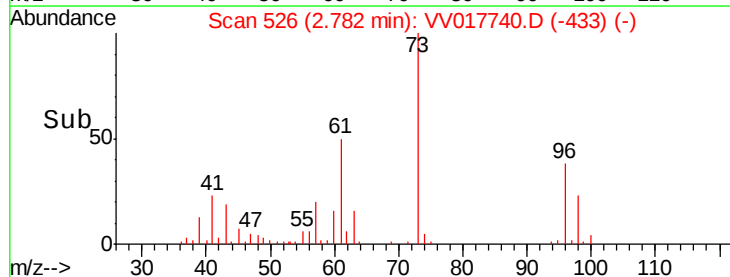
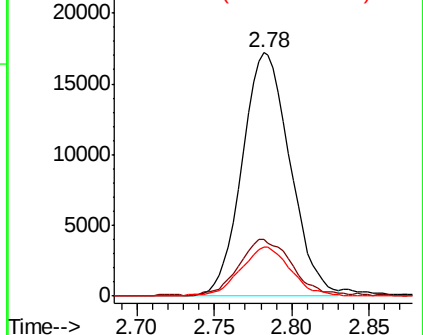


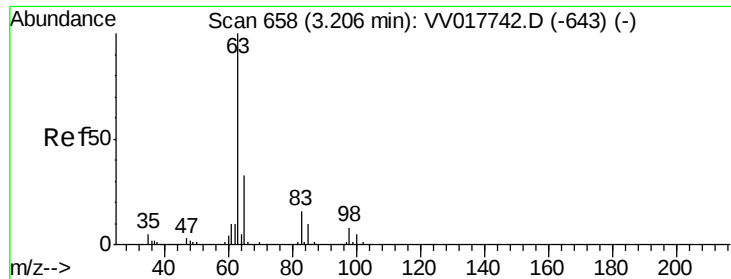
#18
Methyl tert-butyl Ether
Concen: 4.823 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV017740.D
Acq: 30 Jul 2020 10:04

Tgt Ion: 73 Resp: 37108
Ion Ratio Lower Upper
73 100
43 25.8 18.1 27.1
57 20.8 16.0 24.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

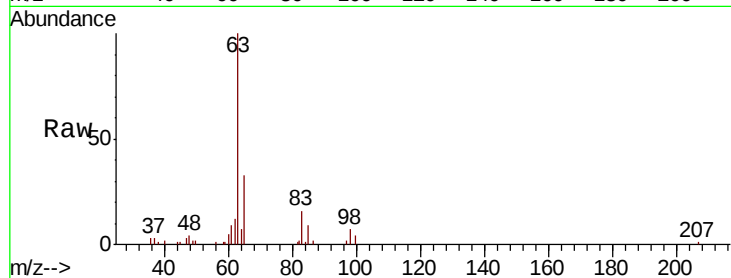




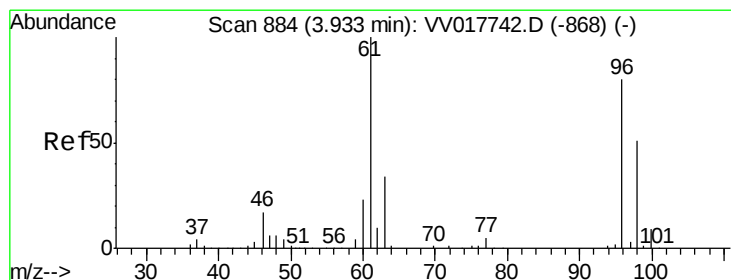
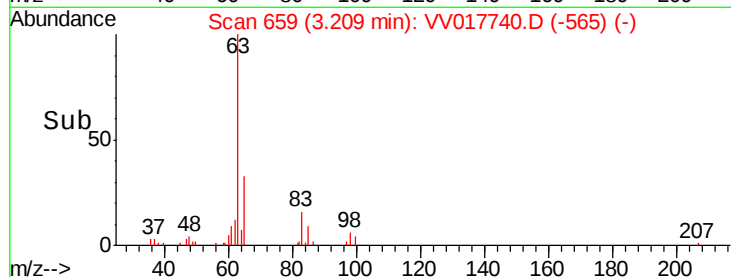
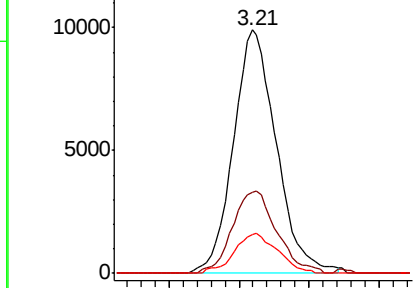
#19
 1,1-Dichloroethane
 Concen: 5.137 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00561

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.8	42.4
83	16.0	11.0	20.4

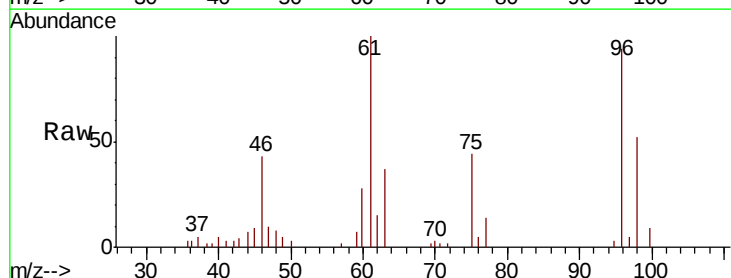


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

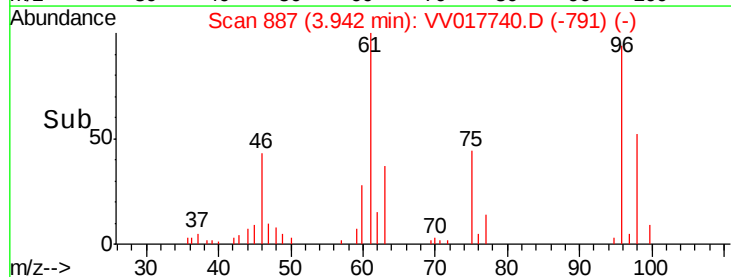
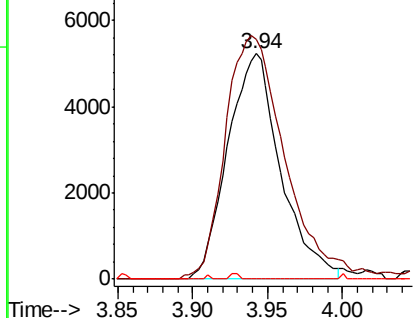


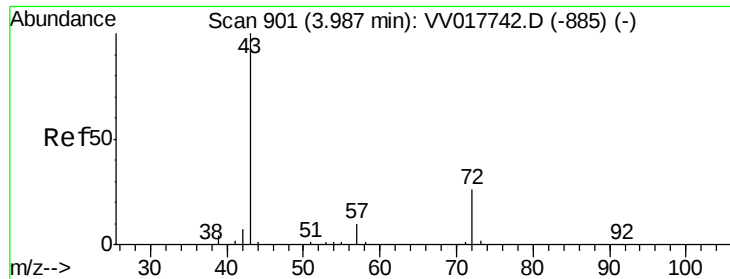
#20
 cis-1,2-Dichloroethene
 Concen: 5.223 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	106.2	87.3	162.1
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: 7.424 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.02 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

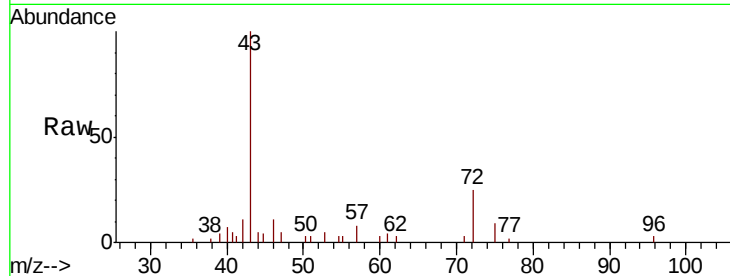
VSTD00561

Tot Ion: 43 Resp: 12261

Ion Ratio Lower Upper

43 100

72 26.4 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017740.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017740.D (-885) (-)

4.01

5000

4000

3000

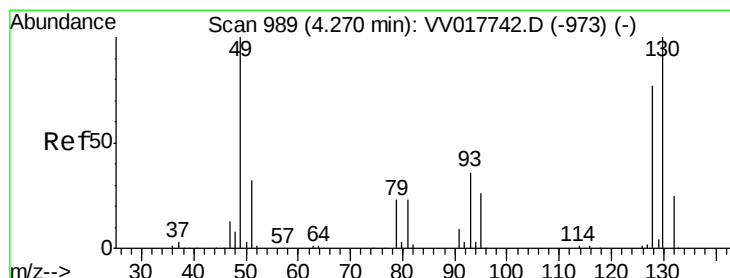
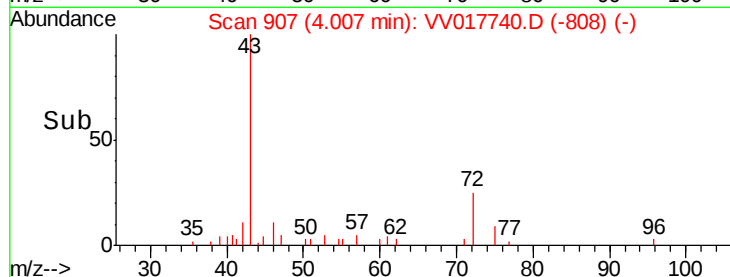
2000

1000

0

3.95 4.00 4.05

Time-->



#23

Bromochloromethane

Concen: 5.575 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Tgt Ion: 128 Resp: 7607

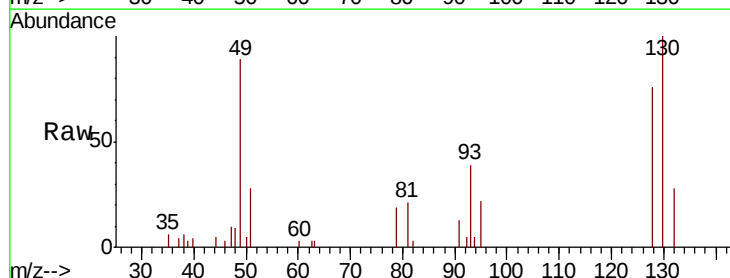
Ion Ratio Lower Upper

128 100

49 116.5 90.4 168.0

130 131.0 90.5 168.1

51 37.2 32.7 49.1



Abundance Ion 128.00 (127.70 to 128.70): VV017740.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV017740.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV017740.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV017740.D (-896) (-)

6000

5000

4000

3000

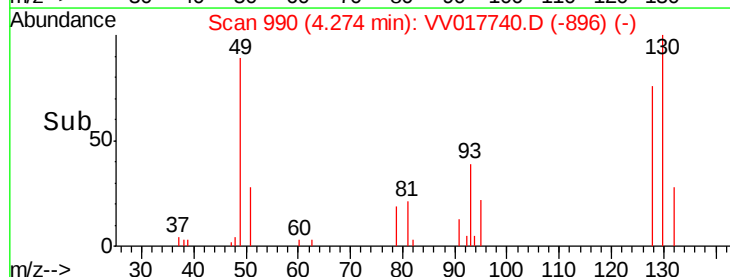
2000

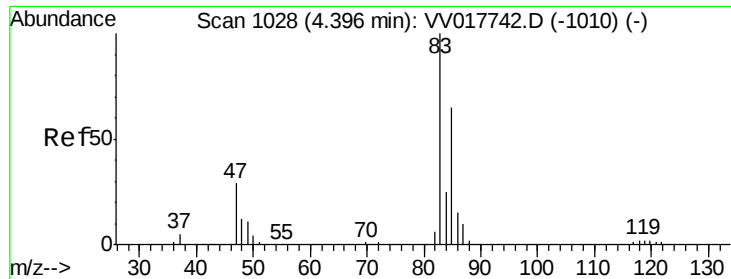
1000

0

4.20 4.25 4.30 4.35

Time-->

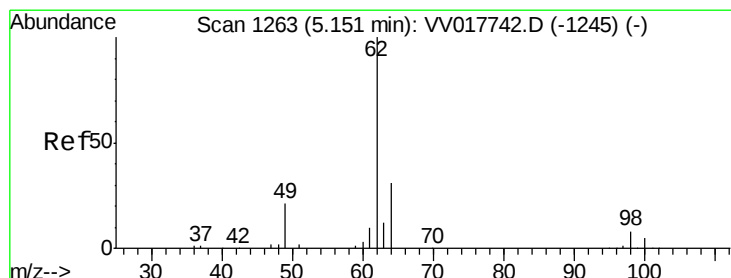
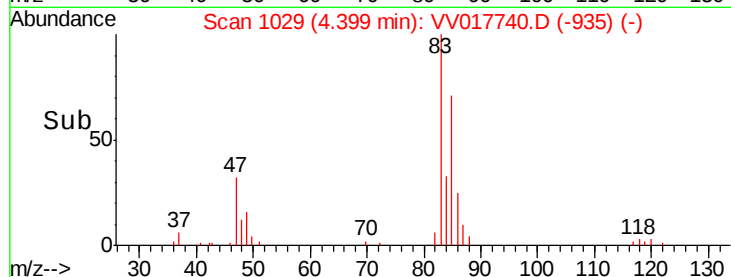
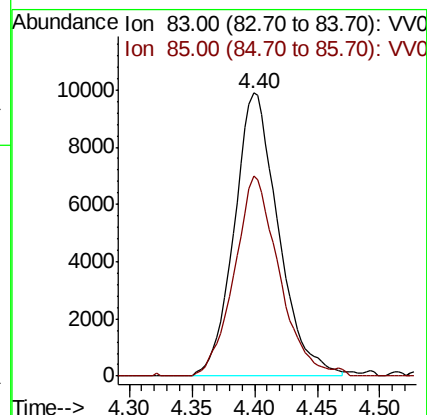
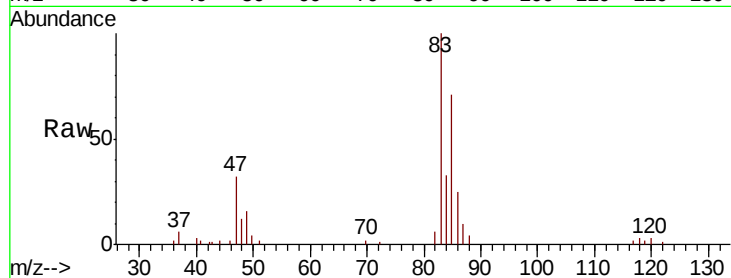




#25
Chloroform
Concen: 5.394 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV017740.D
Acq: 30 Jul 2020 10:04

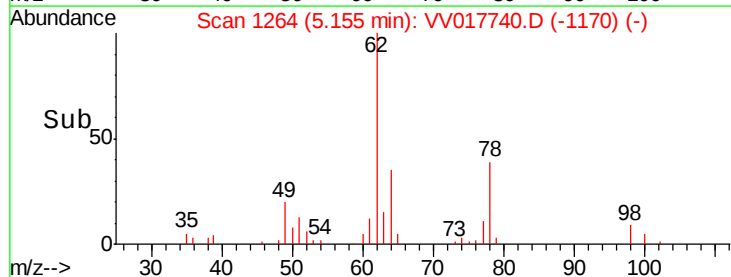
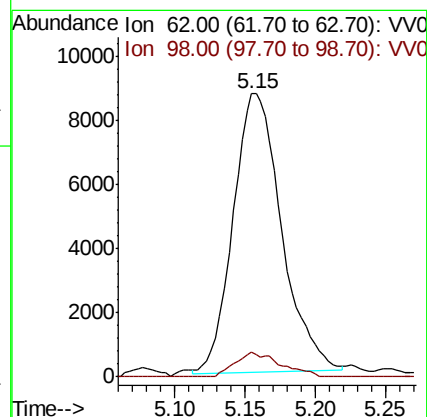
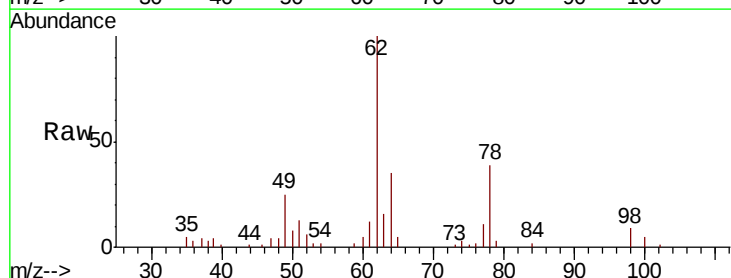
Instrument :
MSVOA_V
ClientSampled :
VSTD00561

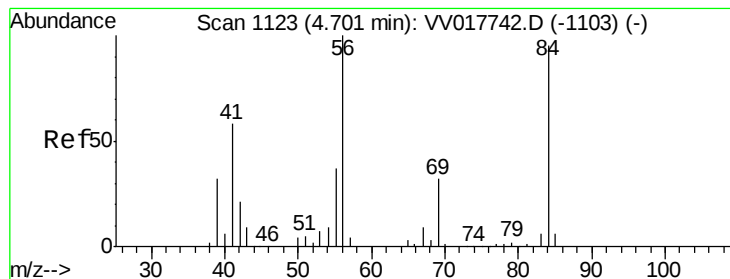
Tot Ion: 83 Resp: 24217
Ion Ratio Lower Upper
83 100
85 70.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.378 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017740.D
Acq: 30 Jul 2020 10:04

Tgt Ion: 62 Resp: 20891
Ion Ratio Lower Upper
62 100
98 8.7 6.0 9.0





#29

Cyclohexane

Concen: 2.494 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

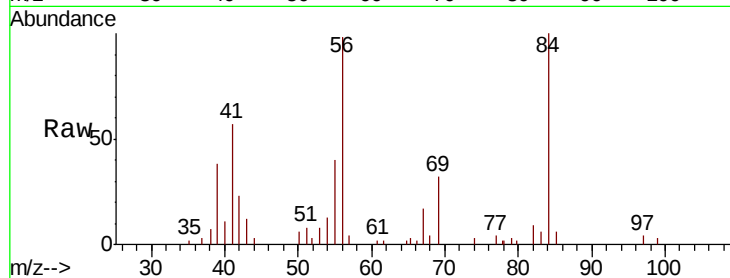
Tot Ion: 56 Resp: 9159

Ion Ratio Lower Upper

56 100

69 26.5 26.1 39.1

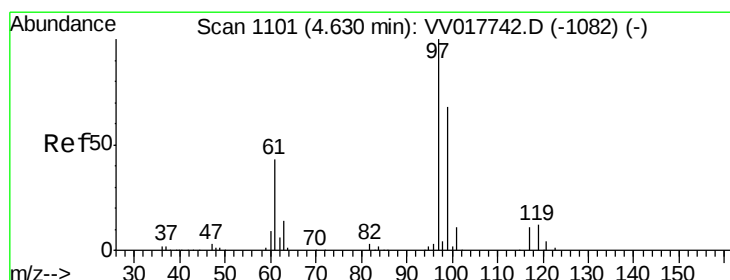
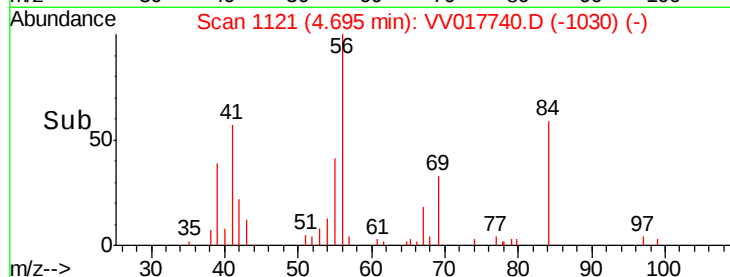
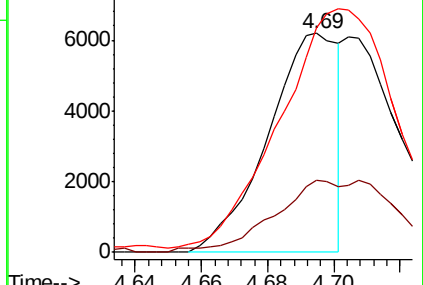
84 182.8 76.6 114.8#



Abundance Ion 56.00 (55.70 to 56.70): VV017742.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV017742.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV017742.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 5.712 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

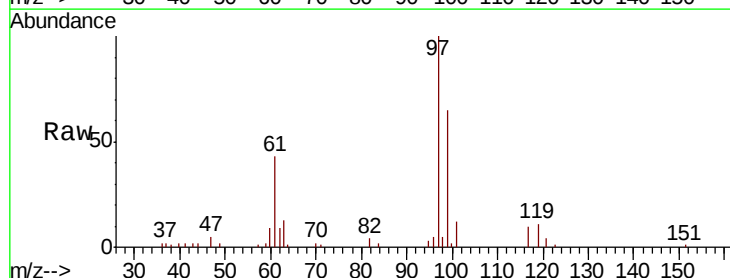
Tgt Ion: 97 Resp: 24868

Ion Ratio Lower Upper

97 100

99 63.9 52.0 78.0

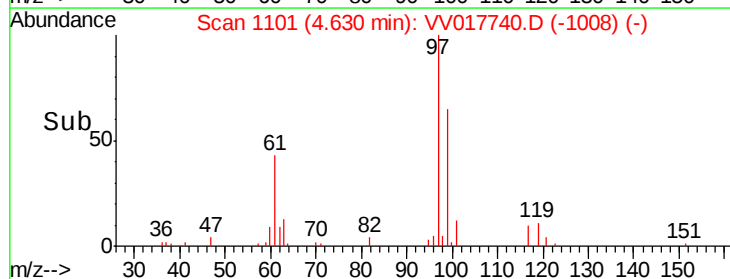
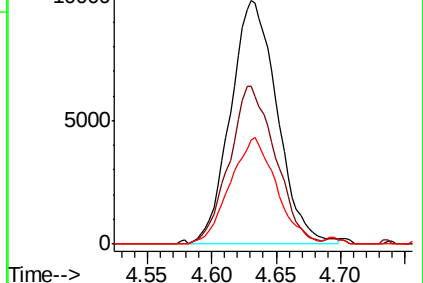
61 43.5 34.1 51.1

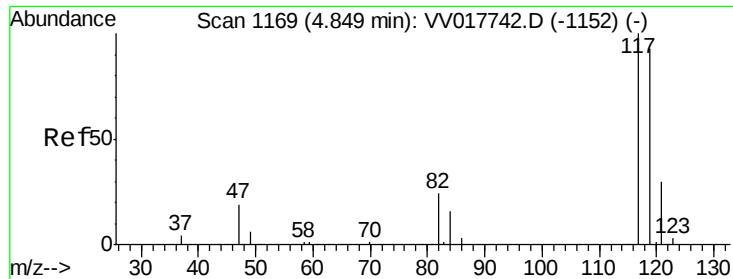


Abundance Ion 97.00 (96.70 to 97.70): VV017742.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV017742.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV017742.D (-1082) (-)





#31

Carbon tetrachloride

Concen: 5.646 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

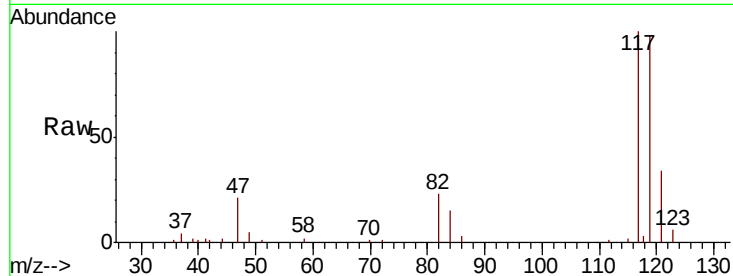
VSTD00561

Tot Ion:117 Resp: 22324

Ion Ratio Lower Upper

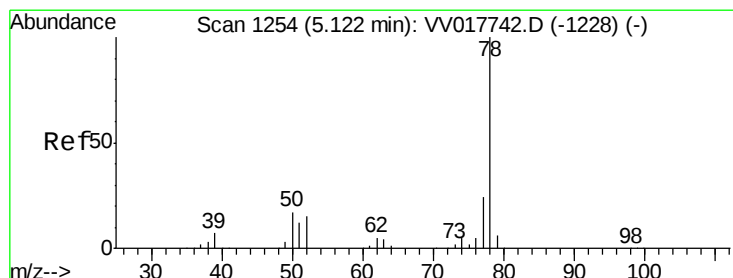
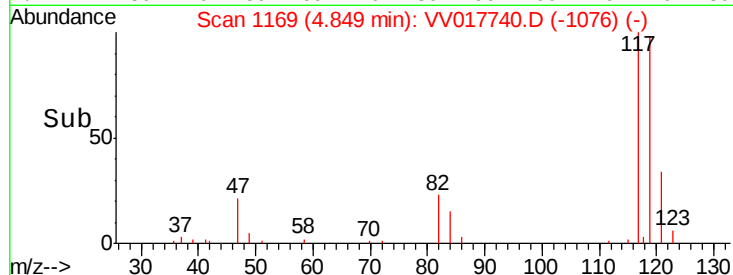
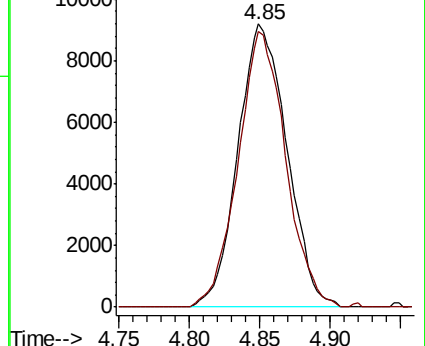
117 100

119 94.5 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.952 ug/L

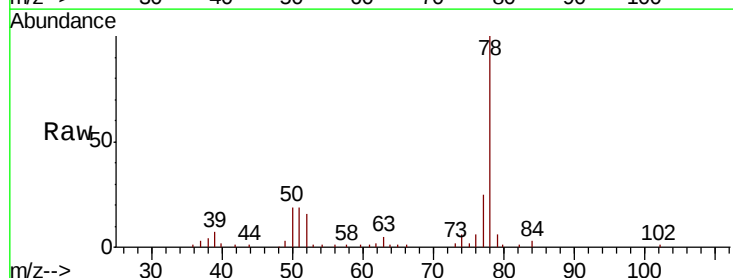
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

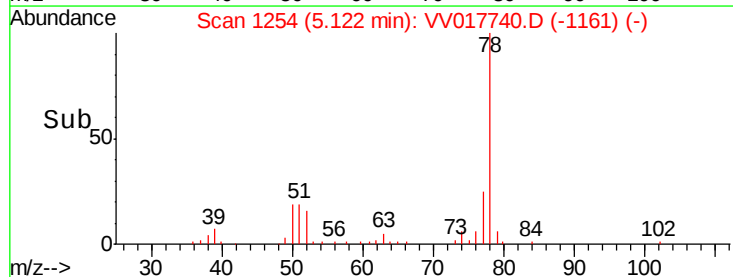
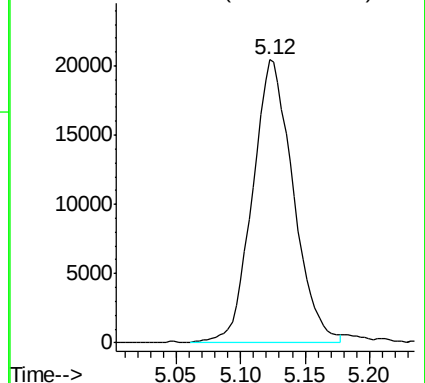
Lab File: VV017740.D

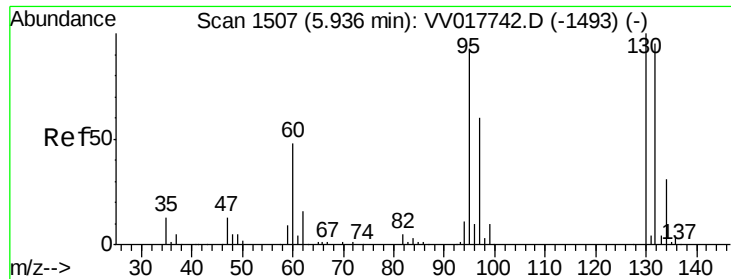
Acq: 30 Jul 2020 10:04

Tgt Ion: 78 Resp: 45104



Abundance Ion 78.00 (77.70 to 78.70): VV0

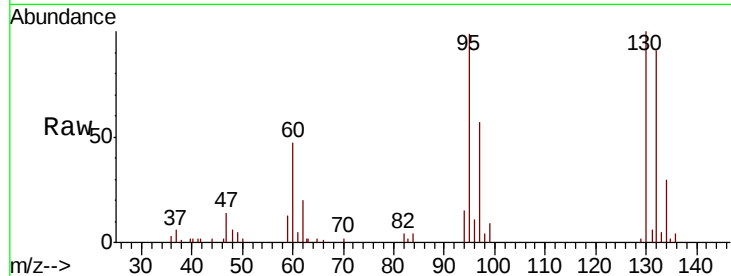




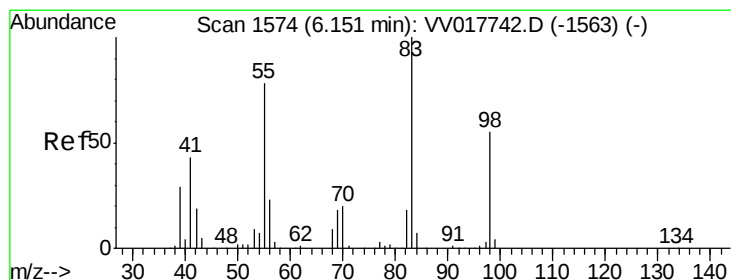
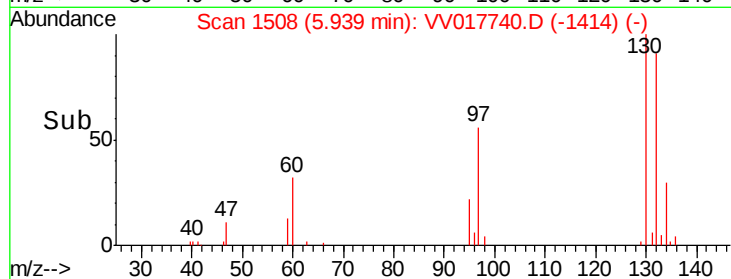
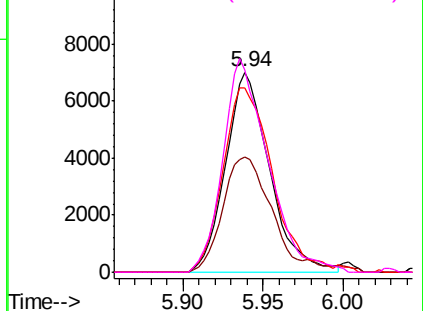
#34
 Trichloroethene
 Concen: 5.217 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tot Ion: 95 Resp: 13168
 Ion Ratio Lower Upper
 95 100
 97 58.0 45.3 84.1
 132 92.5 71.4 132.6
 130 101.5 75.3 139.9

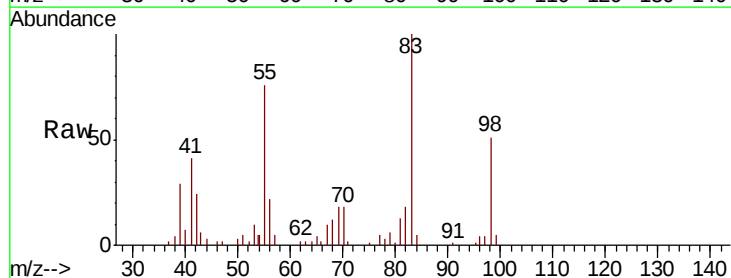


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

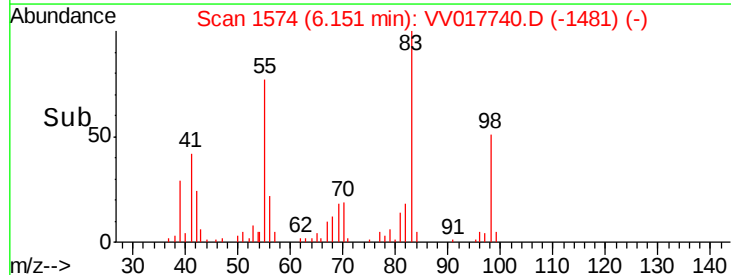
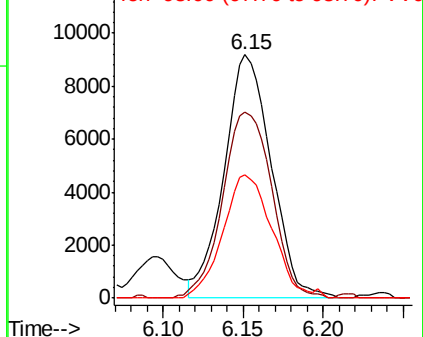


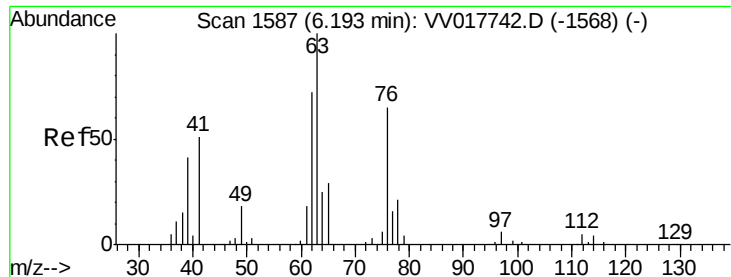
#35
 Methylcyclohexane
 Concen: 4.763 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Tgt Ion: 83 Resp: 18534
 Ion Ratio Lower Upper
 83 100
 55 80.0 59.4 89.2
 98 52.4 41.2 61.8



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

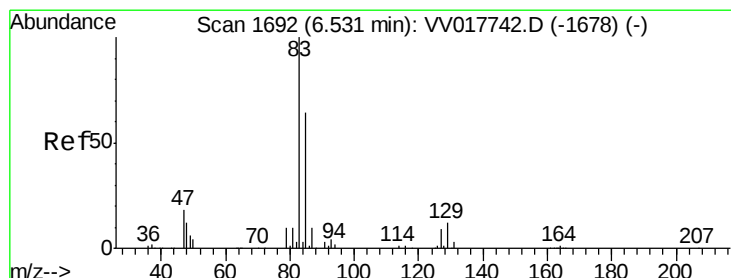
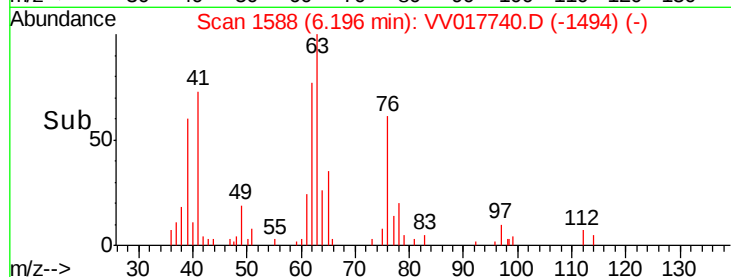
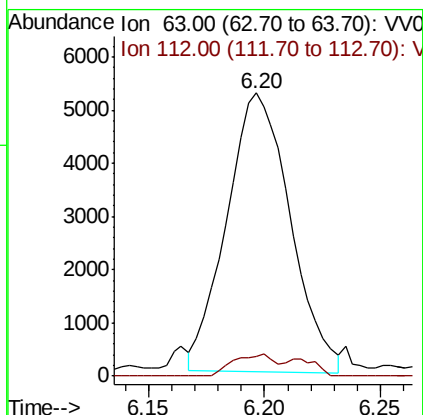
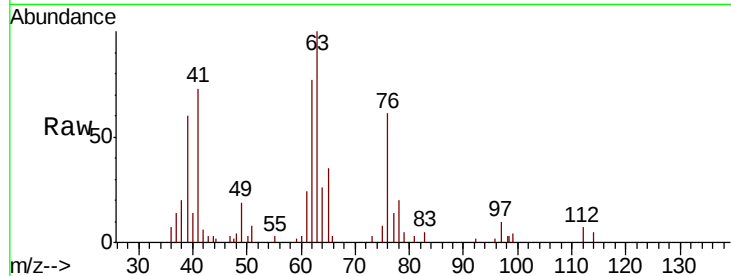




#37
 1,2-Dichloropropane
 Concen: 4.351 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

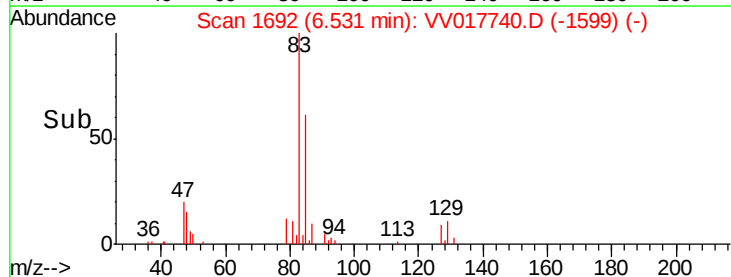
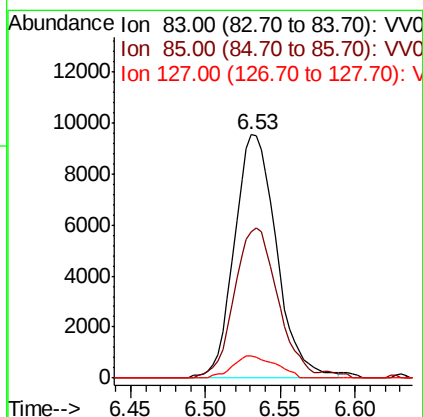
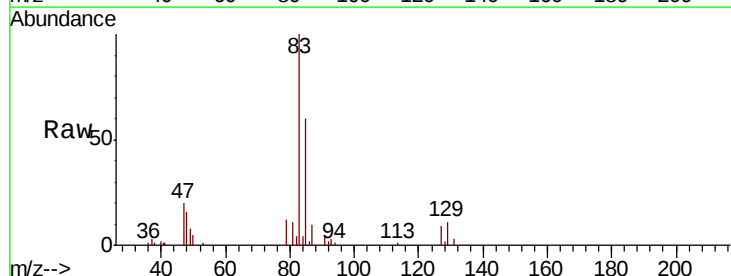
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

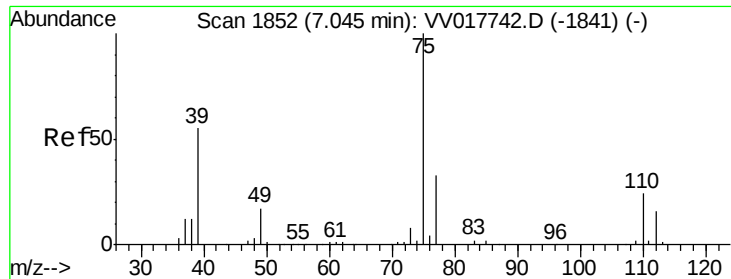
Tot Ion: 63 Resp: 9966
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.6 6.8



#38
 Bromodichloromethane
 Concen: 5.375 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Tgt Ion: 83 Resp: 18705
 Ion Ratio Lower Upper
 83 100
 85 60.0 44.8 83.2
 127 9.3 7.4 11.0

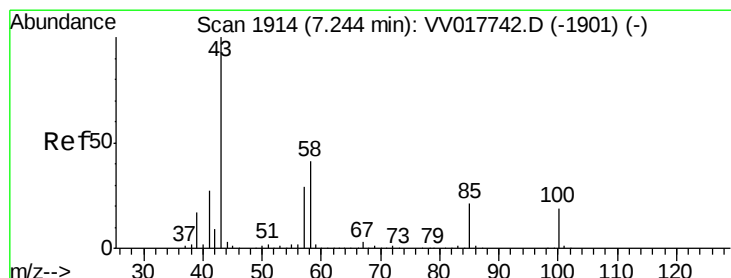
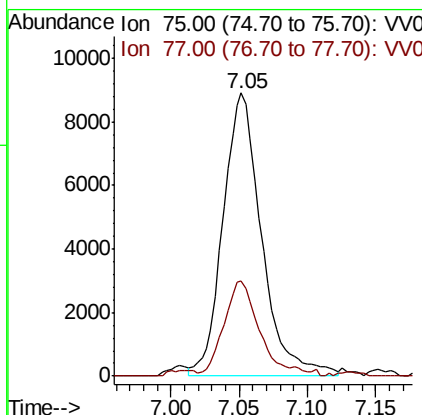
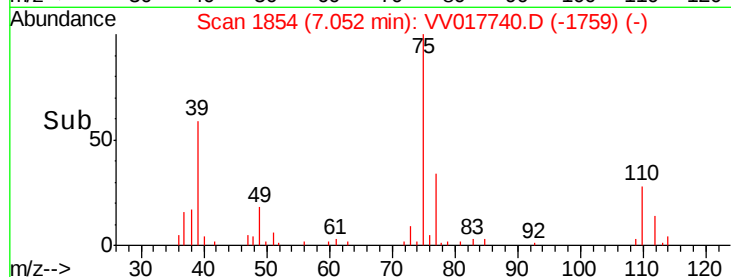
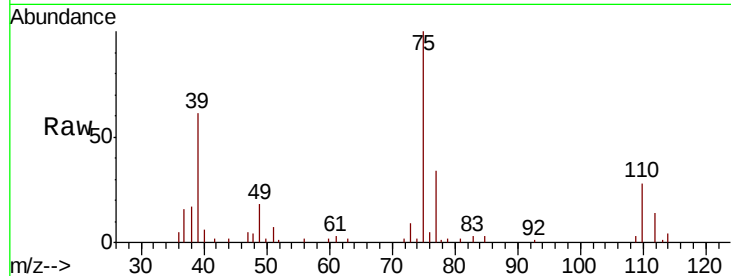




#39
 cis-1,3-Dichloropropene
 Concen: 4.525 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

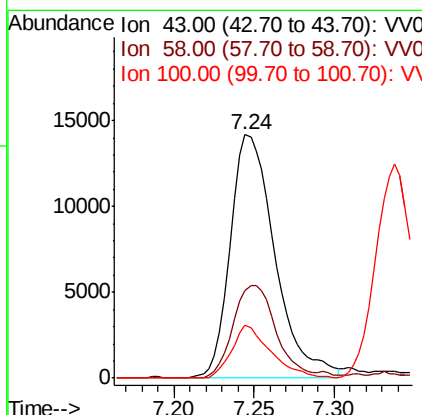
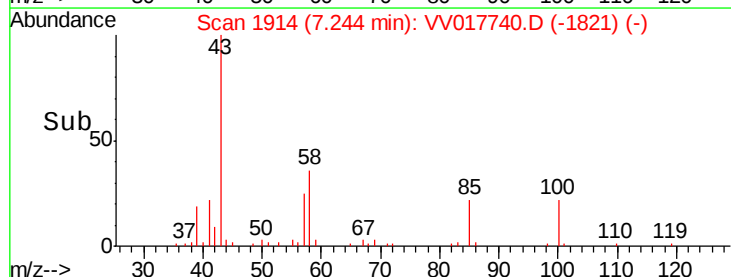
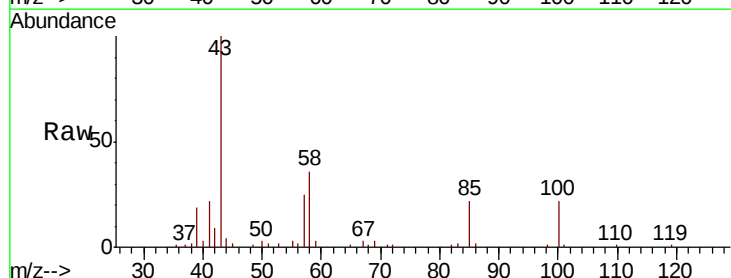
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

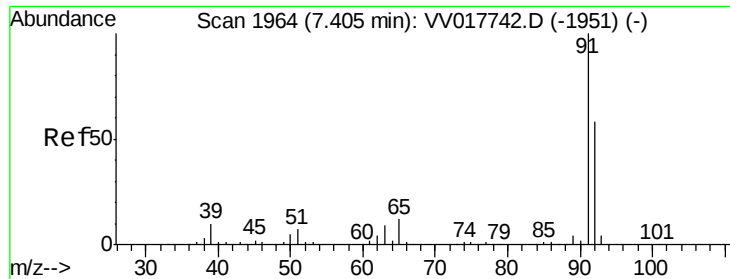
Tot Ion: 75 Resp: 17552
 Ion Ratio Lower Upper
 75 100
 77 33.7 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 8.643 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Tgt Ion: 43 Resp: 27090
 Ion Ratio Lower Upper
 43 100
 58 36.3 32.4 48.6
 100 19.1 14.9 22.3





#42

Toluene

Concen: 4.891 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

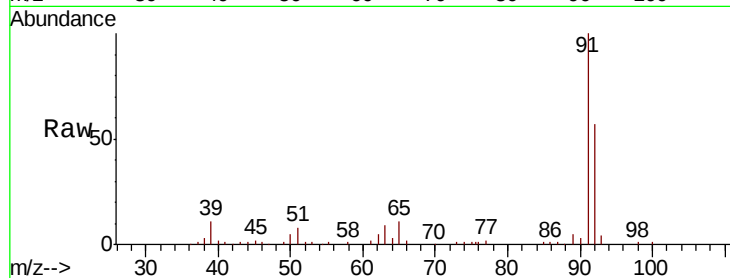
VSTD00561

Tot Ion: 91 Resp: 49149

Ion Ratio Lower Upper

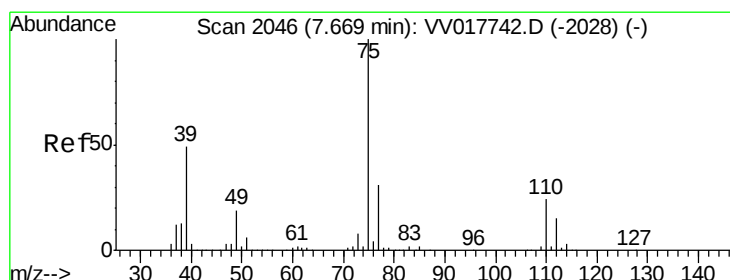
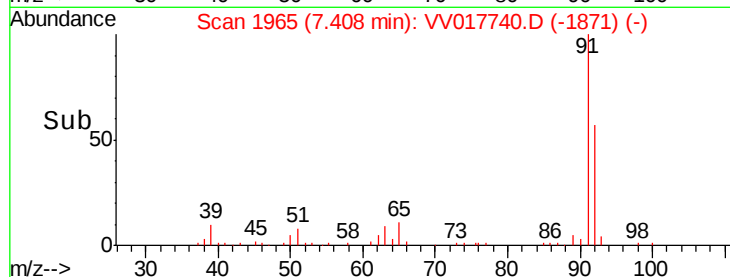
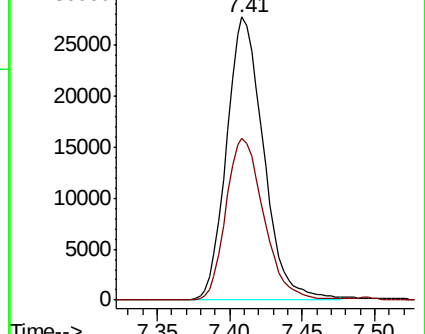
91 100

92 57.3 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV017740.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV017740.D (-1951) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.301 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV017740.D

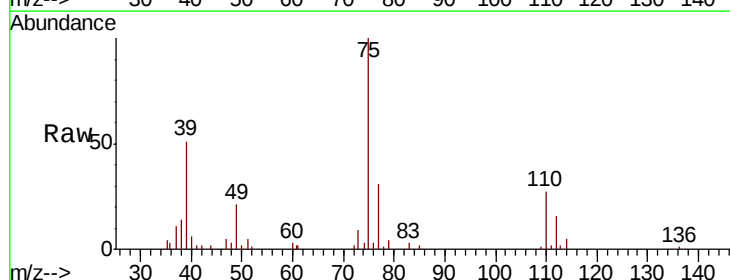
Acq: 30 Jul 2020 10:04

Tgt Ion: 75 Resp: 16869

Ion Ratio Lower Upper

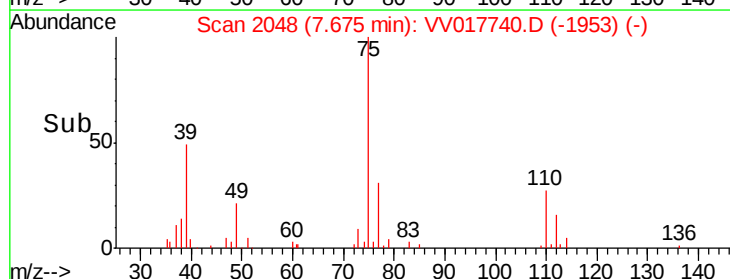
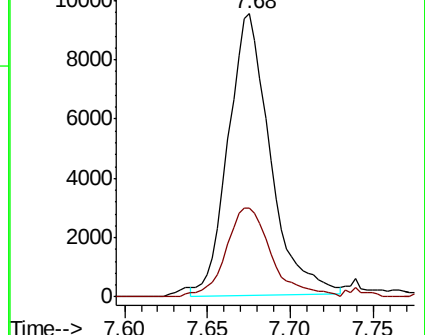
75 100

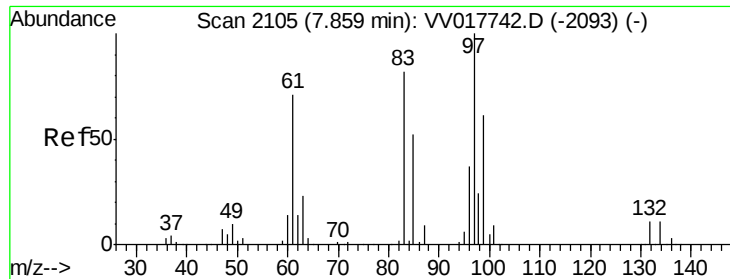
77 31.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV017740.D (-1953) (-)

Ion 77.00 (76.70 to 77.70): VV017740.D (-1953) (-)

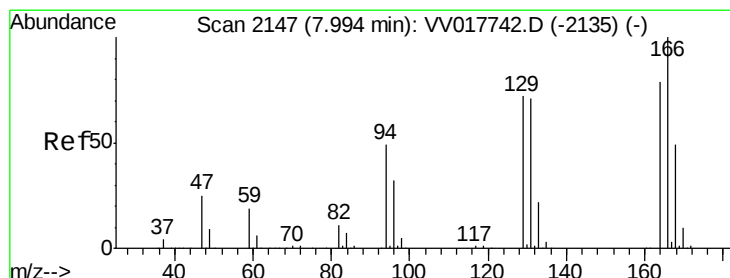
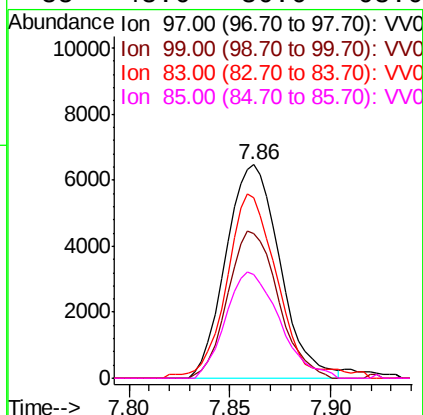
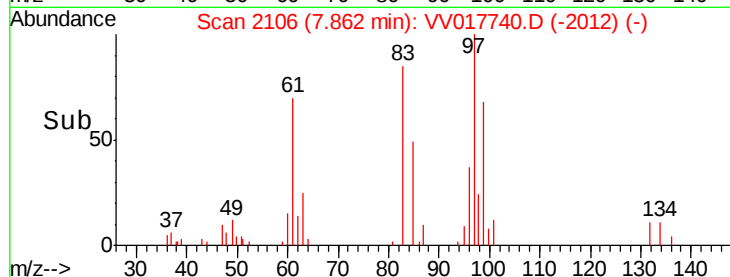
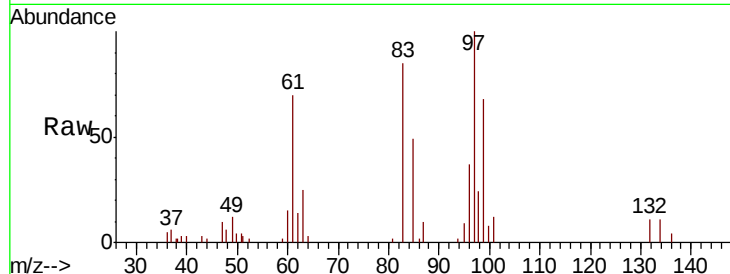




#45
1,1,2-Trichloroethane
Concen: 5.150 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV017740.D
Acq: 30 Jul 2020 10:04

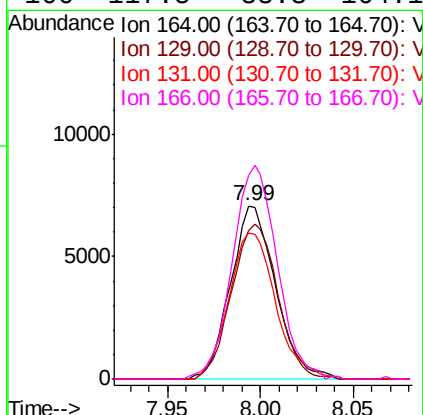
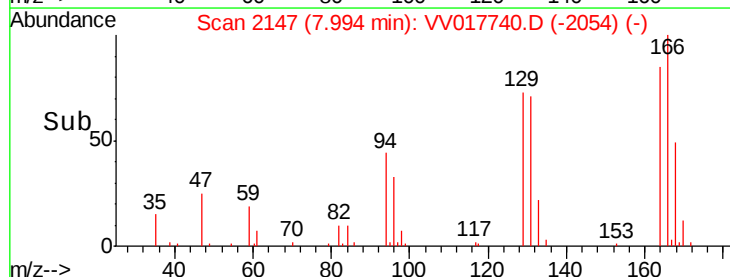
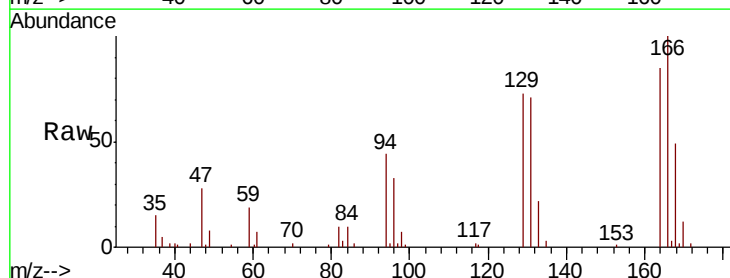
Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

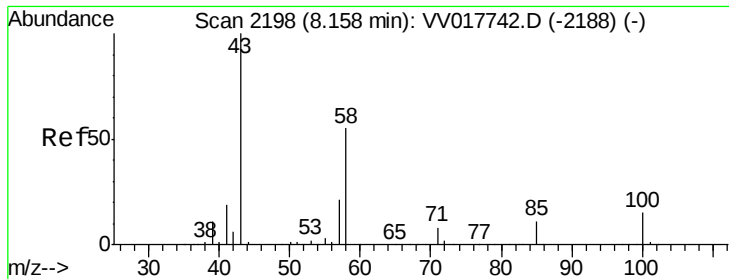
Tot Ion:	97	Resp:	12104
Ion	Ratio	Lower	Upper
97	100		
99	67.8	43.0	80.0
83	84.6	57.3	106.5
85	48.6	36.6	68.0



#46
Tetrachloroethene
Concen: 5.553 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. 0.00 min
Lab File: VV017740.D
Acq: 30 Jul 2020 10:04

Tgt Ion:	164	Resp:	11965
Ion	Ratio	Lower	Upper
164	100		
129	85.4	63.9	118.7
131	83.9	62.6	116.3
166	117.5	88.3	164.1

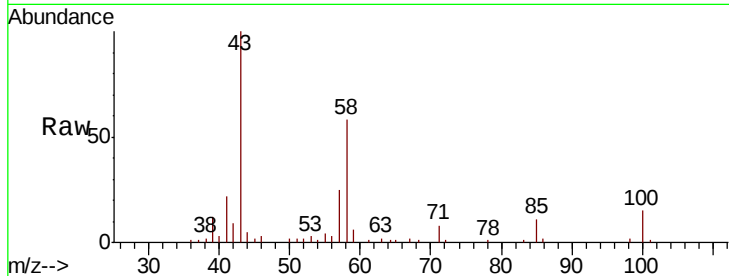




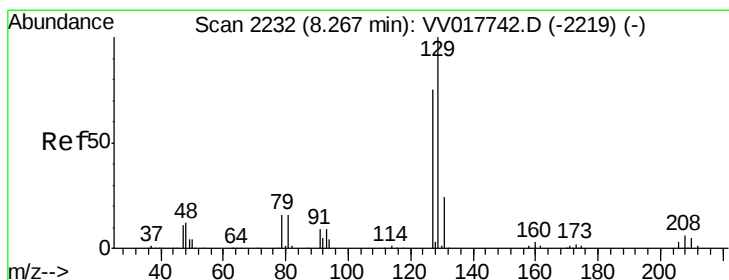
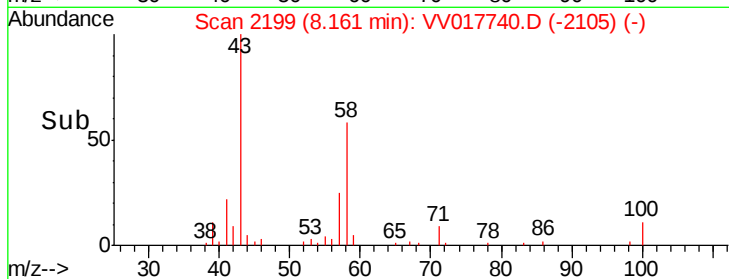
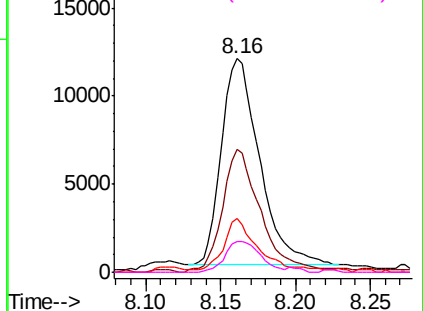
#48
2-Hexanone
Concen: 8.326 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017740.D
Acq: 30 Jul 2020 10:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Tot Ion: 43 Resp: 20957
Ion Ratio Lower Upper
43 100
58 59.1 42.8 64.2
57 20.2 16.6 24.8
100 13.8 11.6 17.4

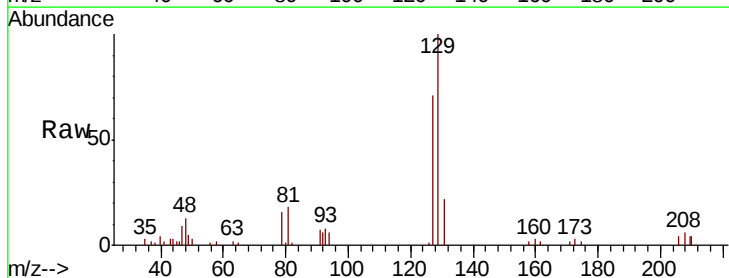


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

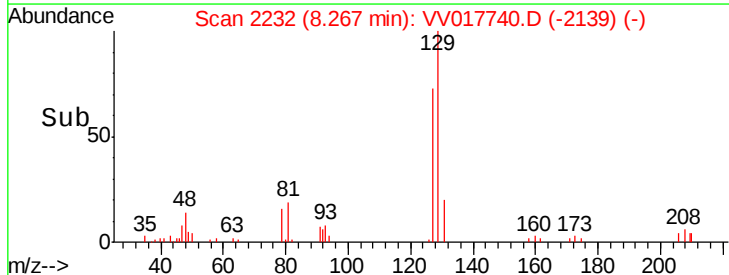
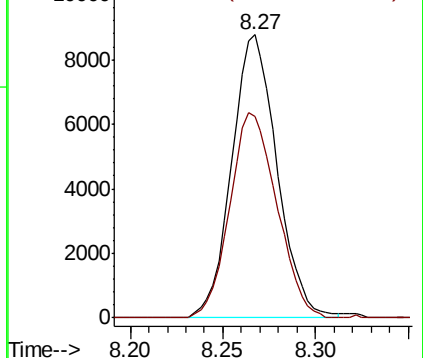


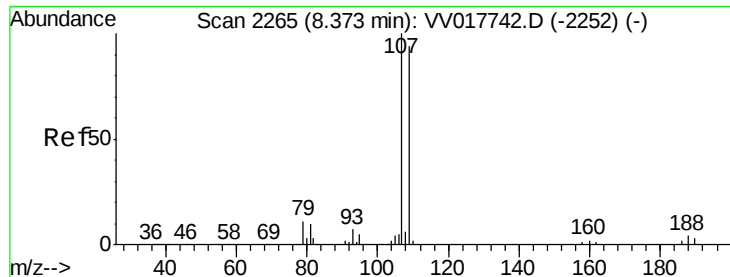
#49
Dibromochloromethane
Concen: 5.117 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017740.D
Acq: 30 Jul 2020 10:04

Tgt Ion: 129 Resp: 14918
Ion Ratio Lower Upper
129 100
127 71.3 52.6 97.8



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

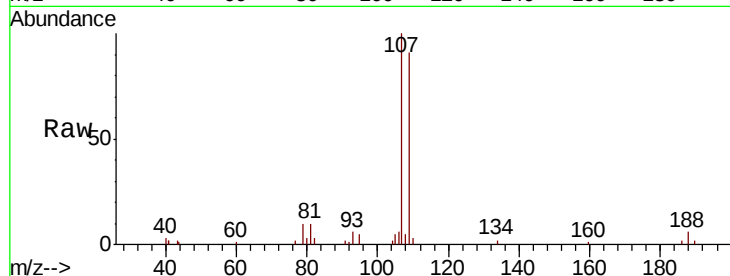




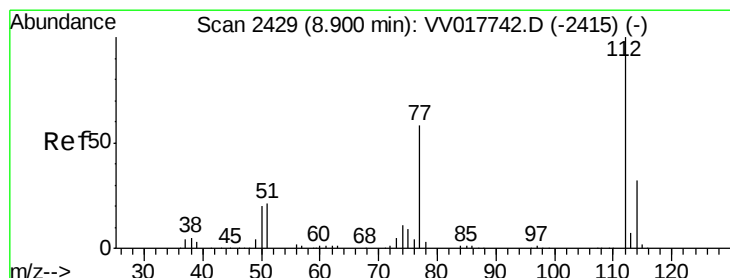
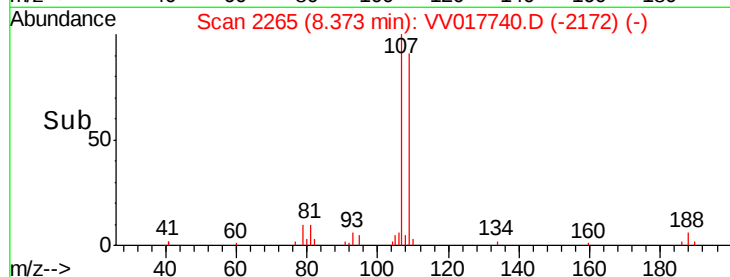
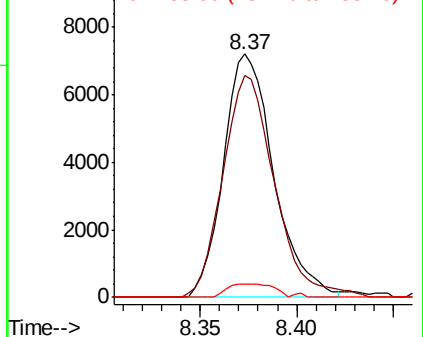
#50
 1,2-Dibromoethane
 Concen: 5.114 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tot Ion:107 Resp: 13048
 Ion Ratio Lower Upper
 107 100
 109 91.0 65.5 121.7
 188 5.7 3.6 5.4#

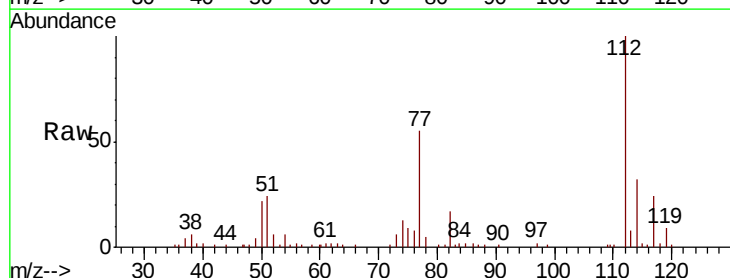


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

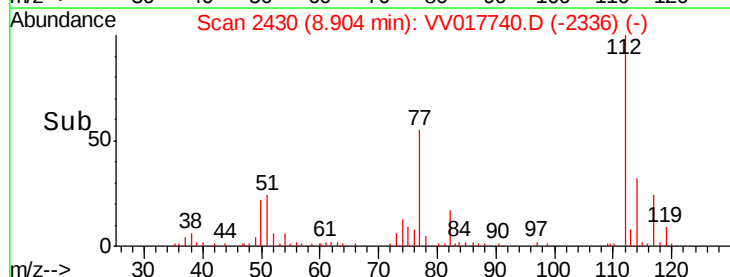
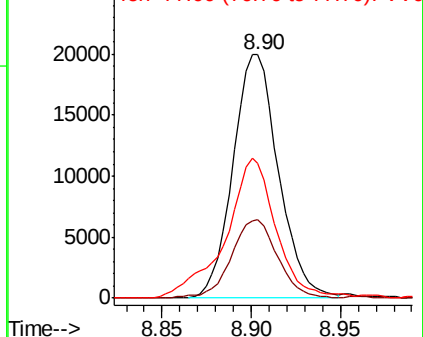


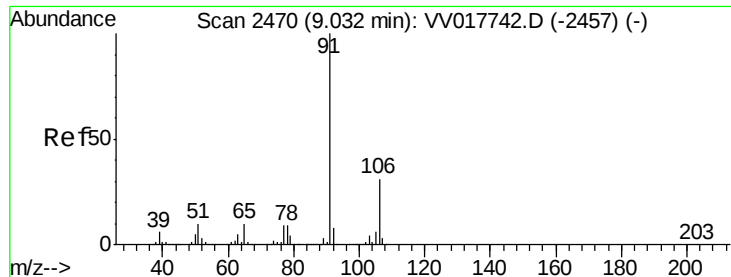
#51
 Chlorobenzene
 Concen: 5.322 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Tgt Ion:112 Resp: 35609
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.7 42.1
 77 55.3 46.6 70.0



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): VV0





#52

Ethylbenzene

Concen: 4.943 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

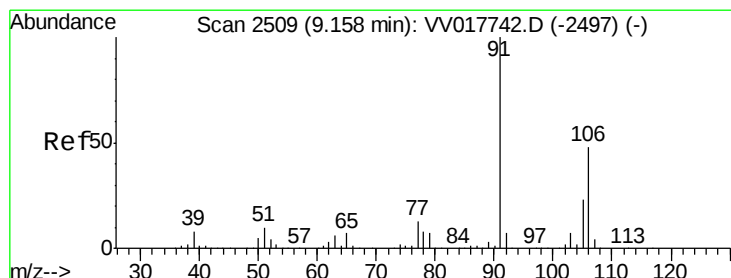
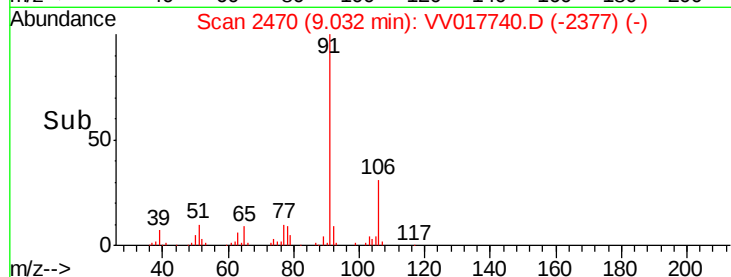
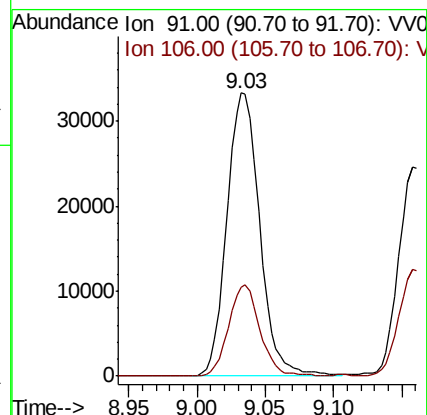
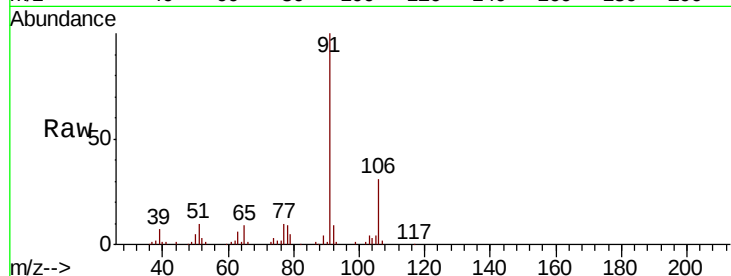
VSTD00561

Tot Ion: 91 Resp: 55781

Ion Ratio Lower Upper

91 100

106 31.4 21.5 39.9



#53

m,p-Xylene

Concen: 4.846 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017740.D

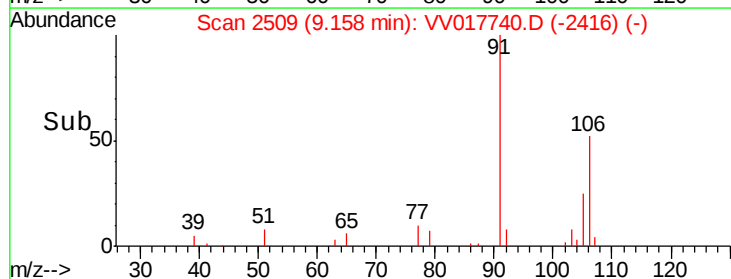
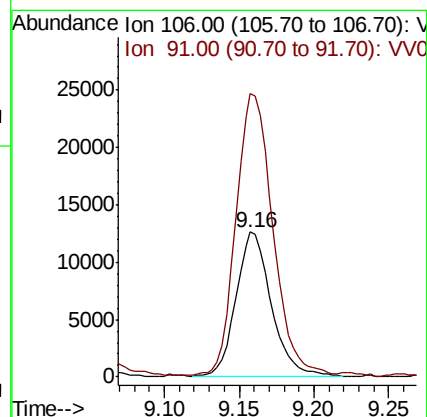
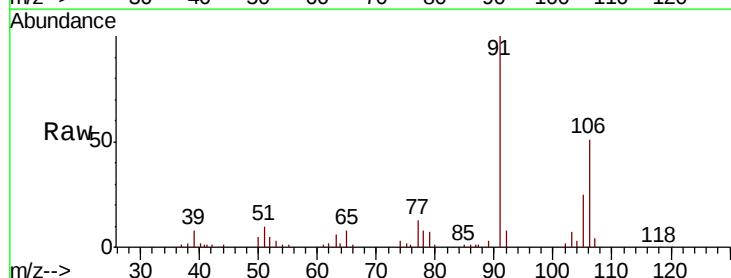
Acq: 30 Jul 2020 10:04

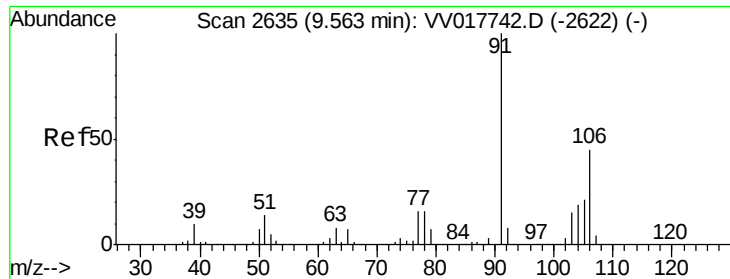
Tgt Ion: 106 Resp: 20930

Ion Ratio Lower Upper

106 100

91 195.4 145.8 270.8





#54

o-xylene

Concen: 4.741 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

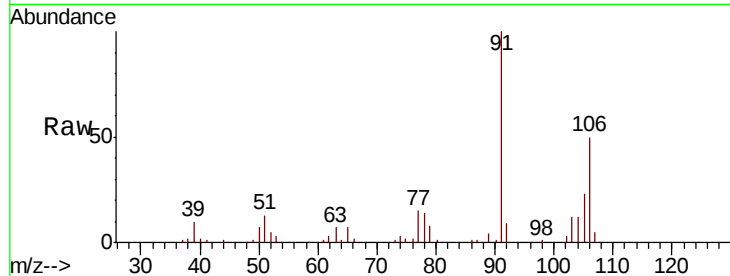
Instrument :
MSVOA_V
ClientSampled :
VSTD00561

Tot Ion:106 Resp: 19884

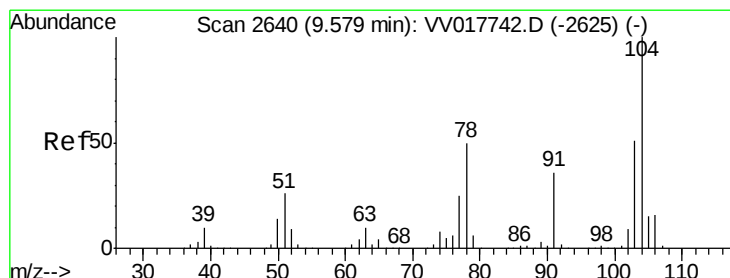
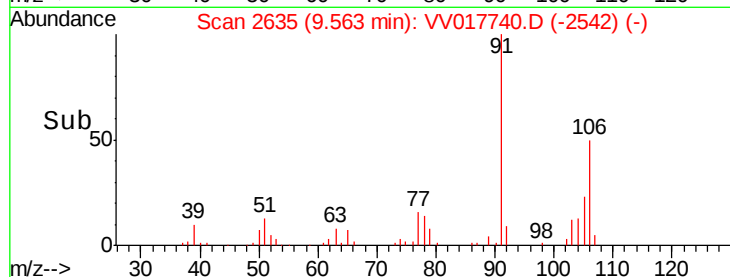
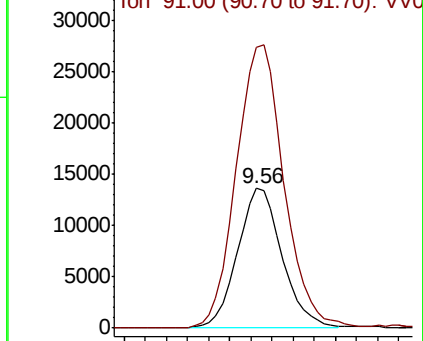
Ion Ratio Lower Upper

106 100

91 201.7 156.4 290.4



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



#55

Styrene

Concen: 4.908 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017740.D

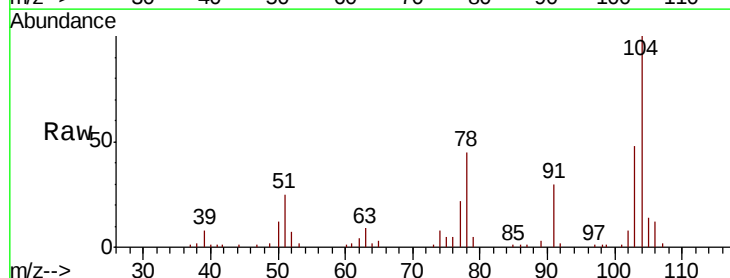
Acq: 30 Jul 2020 10:04

Tgt Ion:104 Resp: 35112

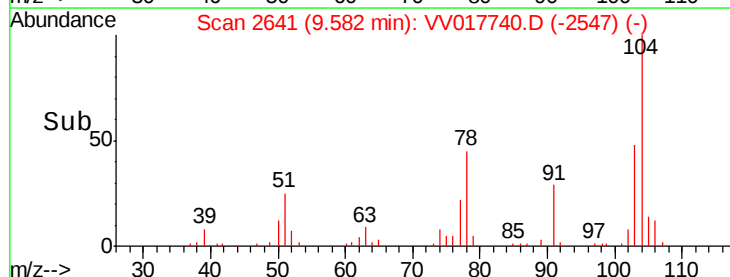
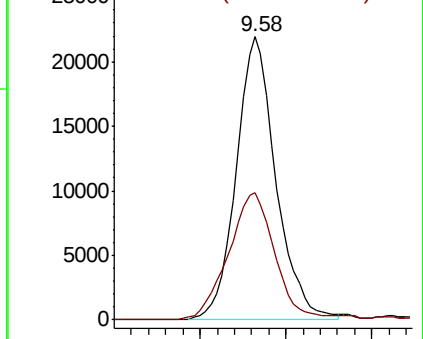
Ion Ratio Lower Upper

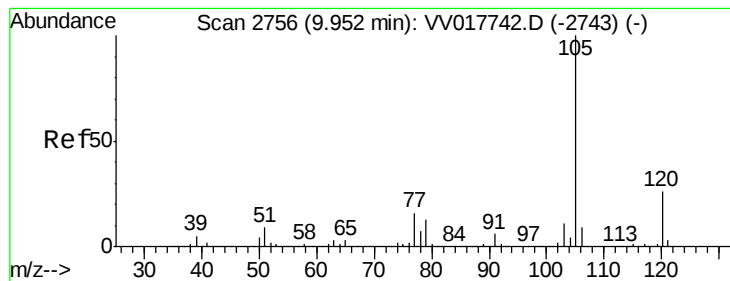
104 100

78 44.8 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 4.787 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

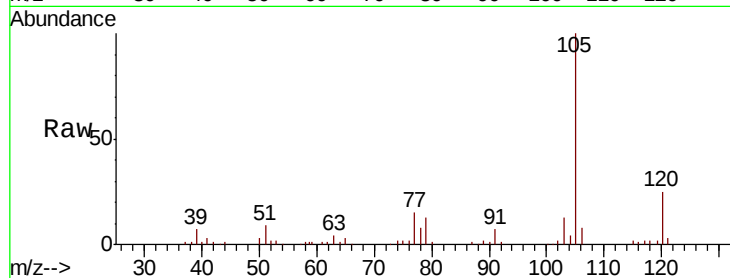
Tot Ion:105 Resp: 54441

Ion Ratio Lower Upper

105 100

120 25.1 21.0 31.6

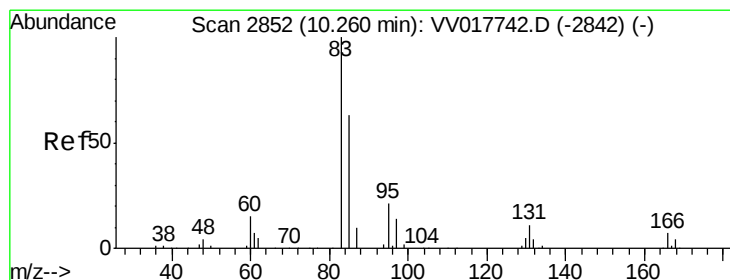
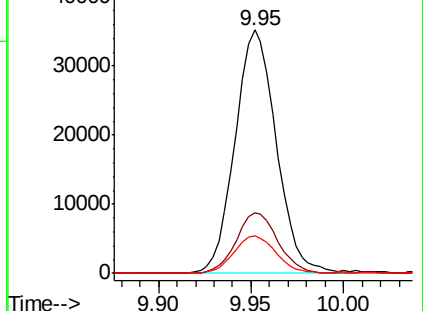
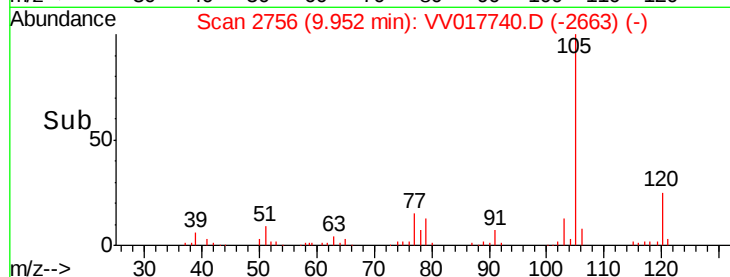
77 15.7 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.679 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

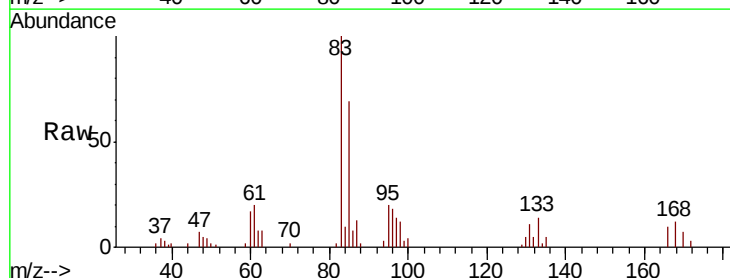
Tgt Ion: 83 Resp: 17000

Ion Ratio Lower Upper

83 100

85 68.7 45.6 84.8

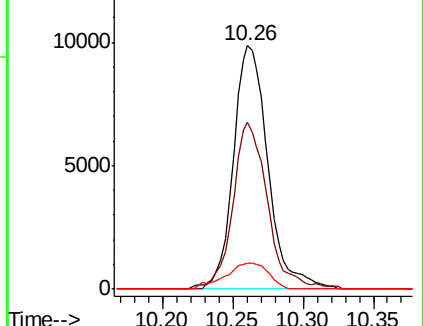
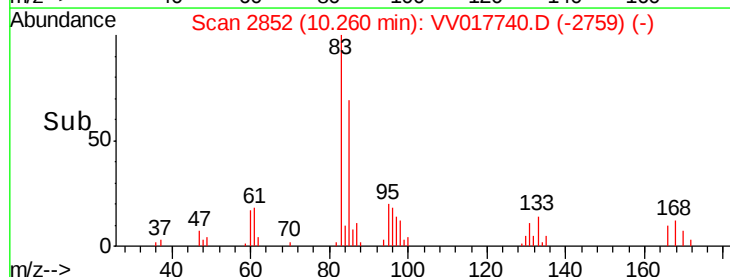
131 15.4 9.5 14.3#

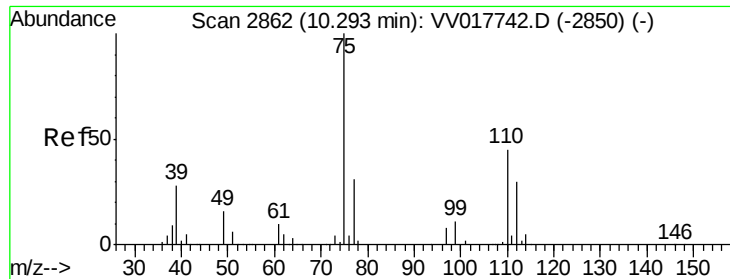


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.990 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

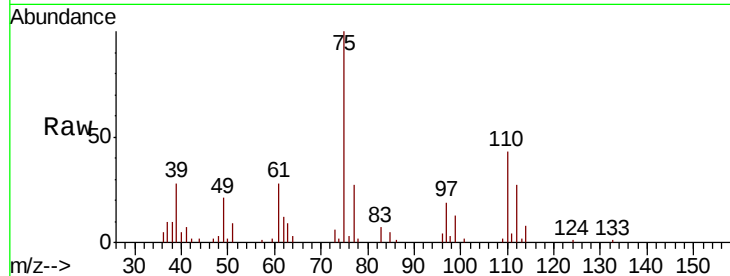
VSTD00561

Tot Ion: 75 Resp: 15225

Ion Ratio Lower Upper

75 100

77 29.5 25.1 37.7

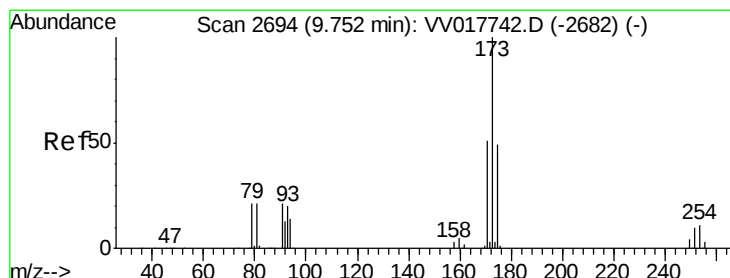
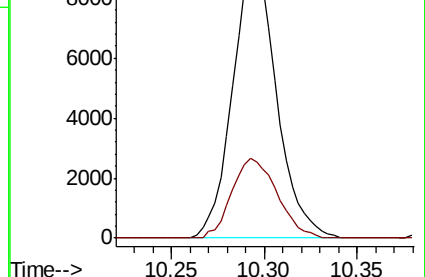
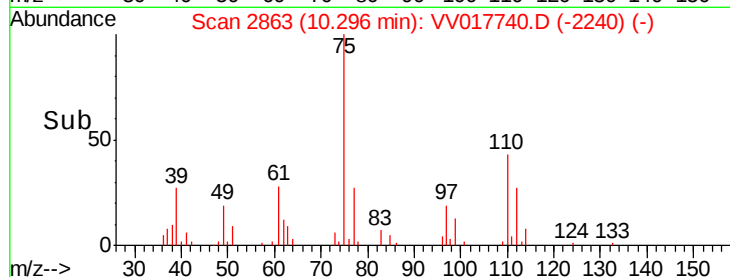


Abundance Ion 75.00 (74.70 to 75.70): VV017742.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV017742.D (-2850) (-)

10.30

Time-->



#61

Bromoform

Concen: 5.093 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

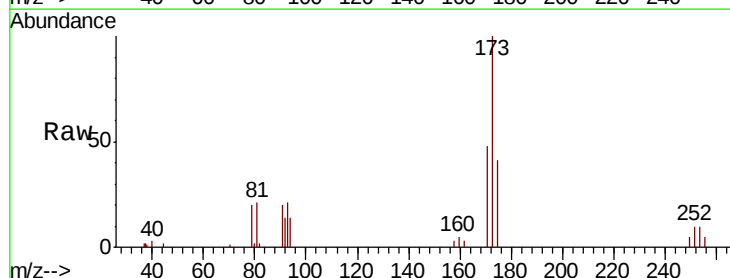
Tgt Ion: 173 Resp: 11108

Ion Ratio Lower Upper

173 100

175 45.3 39.8 59.8

254 10.8 8.4 12.6



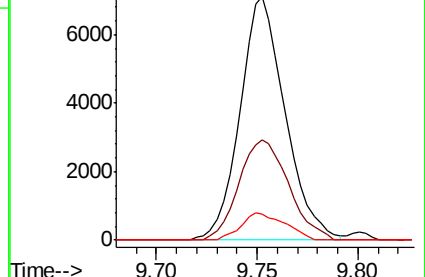
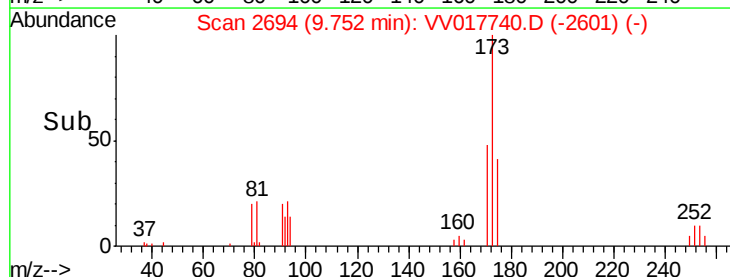
Abundance Ion 173.00 (172.70 to 173.70): VV017742.D (-2682) (-)

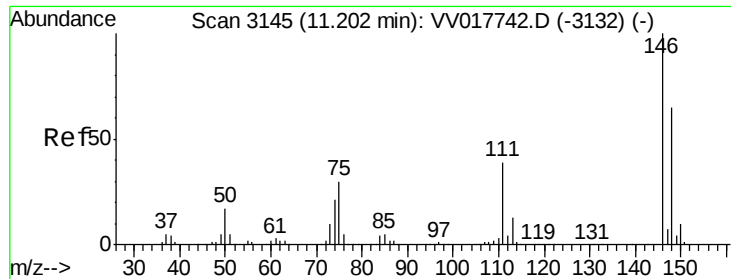
Ion 175.00 (174.70 to 175.70): VV017742.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017742.D (-2682) (-)

9.75

Time-->

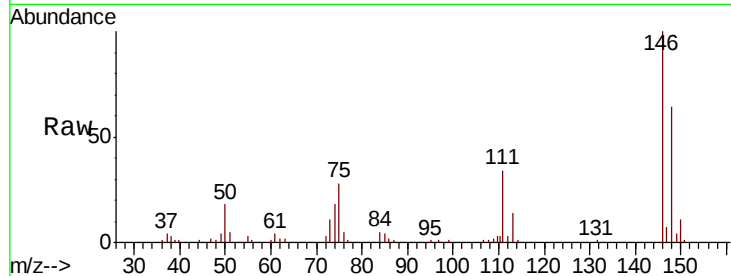




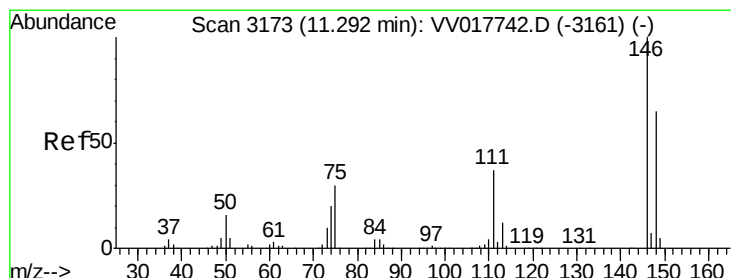
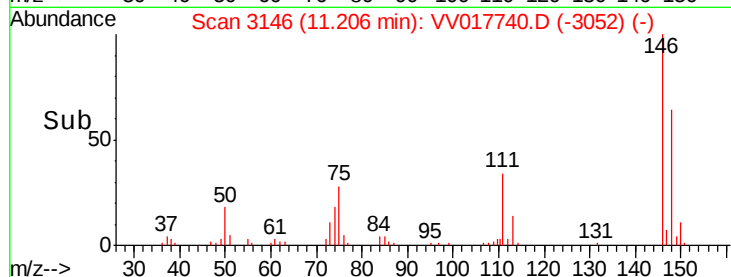
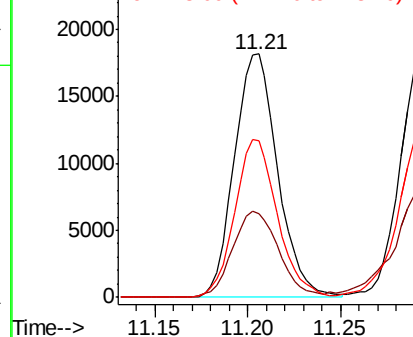
#62
 1,3-Dichlorobenzene
 Concen: 5.234 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Tot Ion:146 Resp: 29448
 Ion Ratio Lower Upper
 146 100
 111 34.5 27.6 51.4
 148 64.3 45.3 84.1

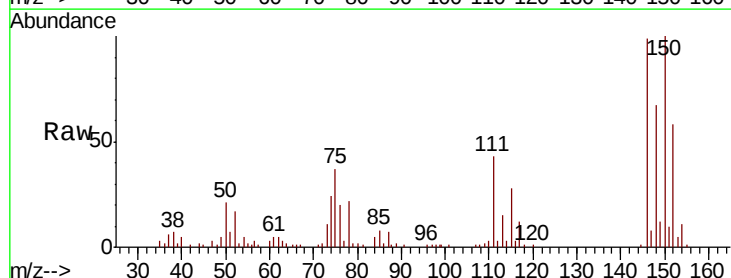


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

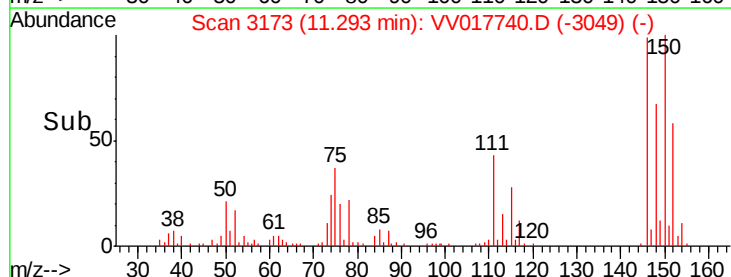
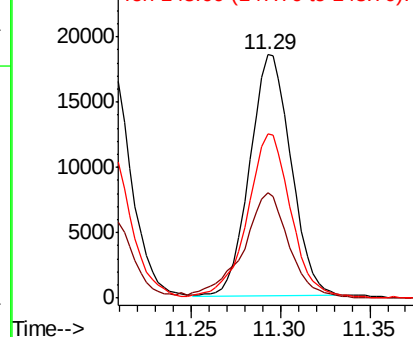


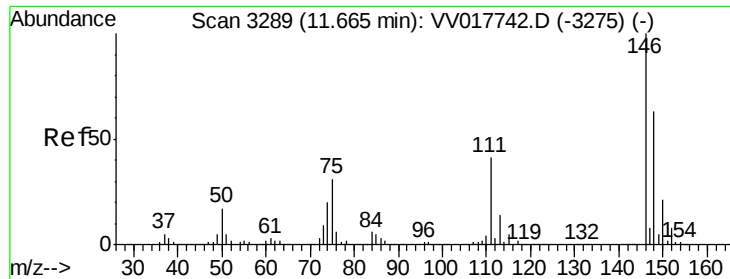
#63
 1,4-Dichlorobenzene
 Concen: 5.203 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Tgt Ion:146 Resp: 29943
 Ion Ratio Lower Upper
 146 100
 111 43.3 26.4 49.0
 148 67.6 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.115 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

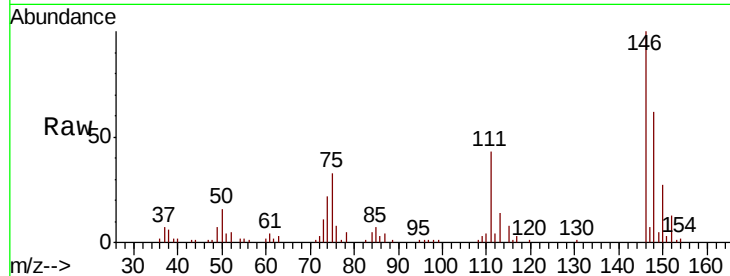
Tot Ion:146 Resp: 29141

Ion Ratio Lower Upper

146 100

111 43.4 32.6 49.0

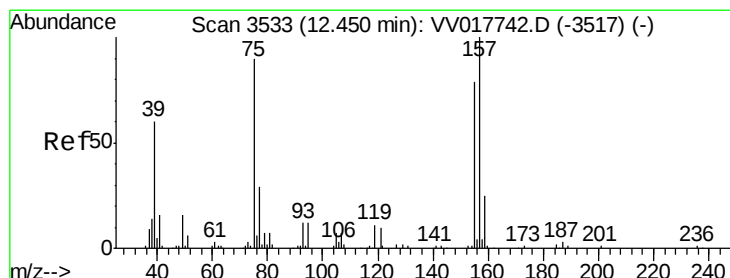
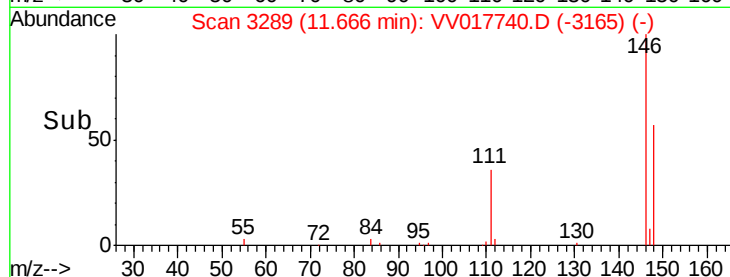
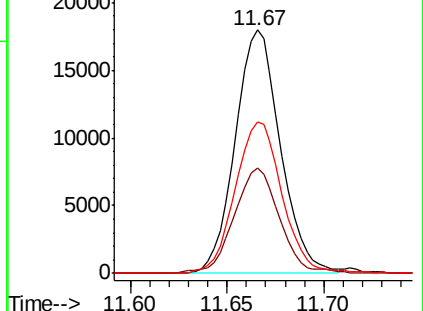
148 62.2 50.4 75.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.982 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

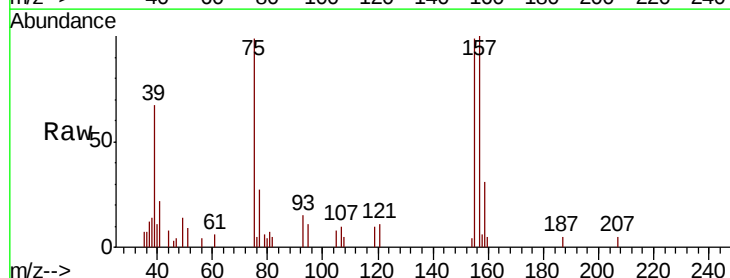
Tgt Ion: 75 Resp: 4584

Ion Ratio Lower Upper

75 100

155 100.1 70.2 105.2

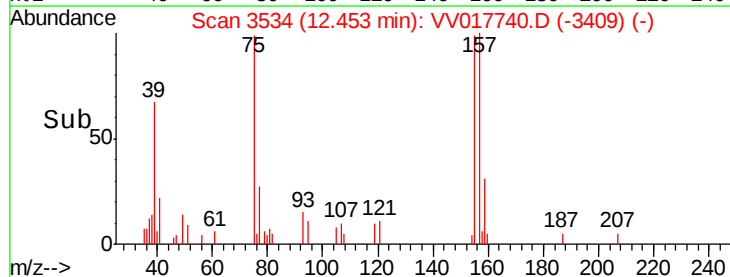
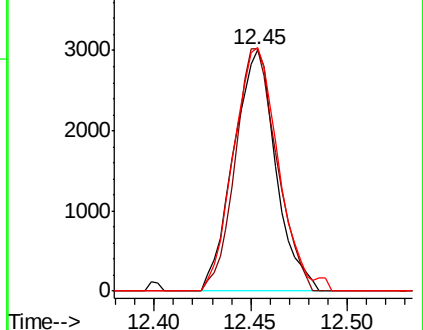
157 100.8 88.9 133.3

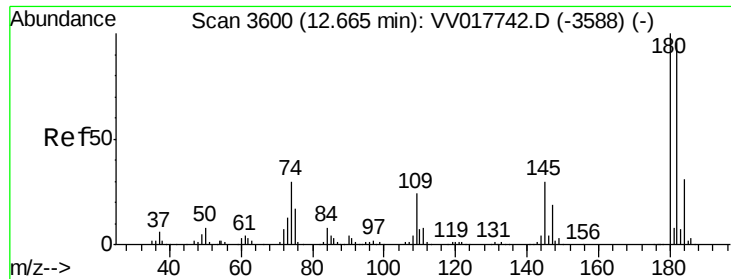


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

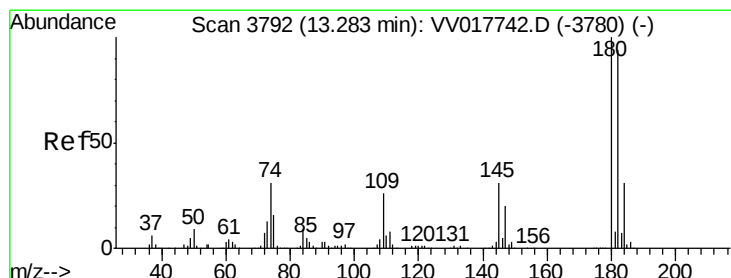
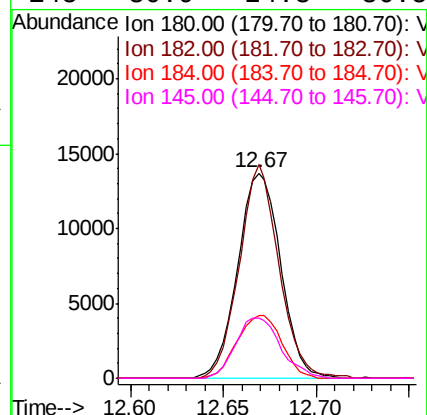
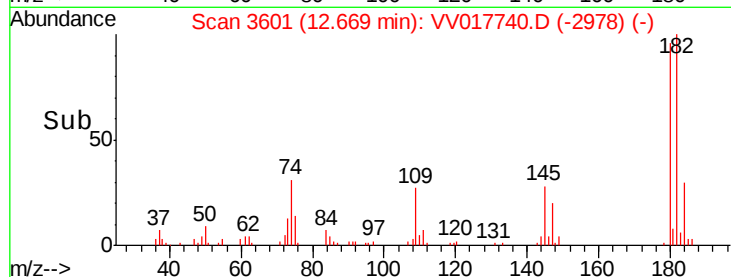
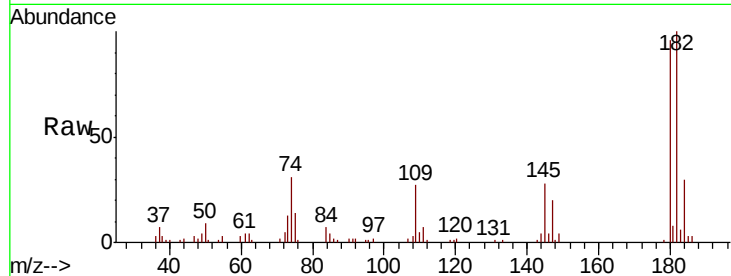




#67
 1,3,5-Trichlorobenzene
 Concen: 4.928 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

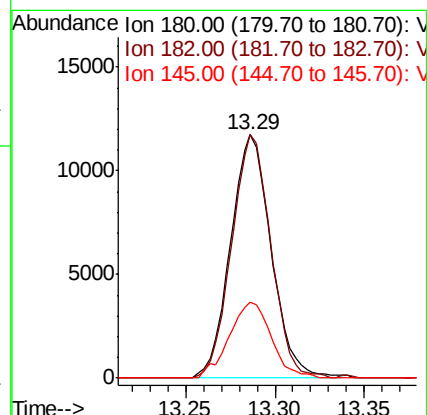
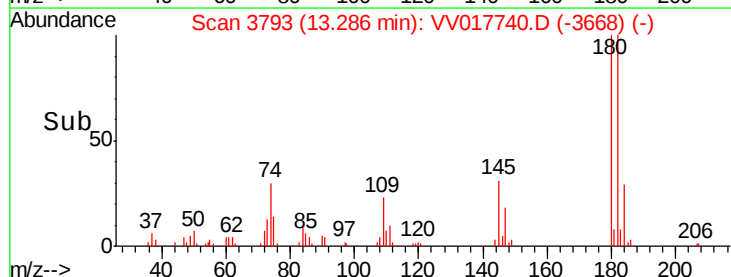
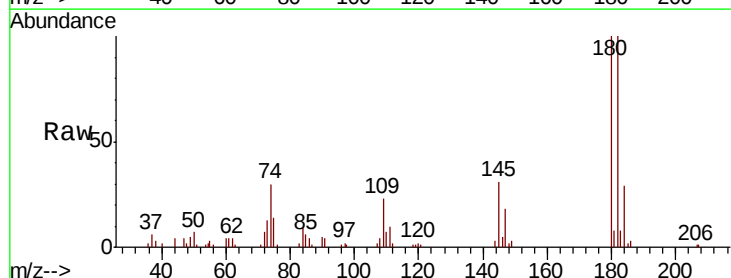
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

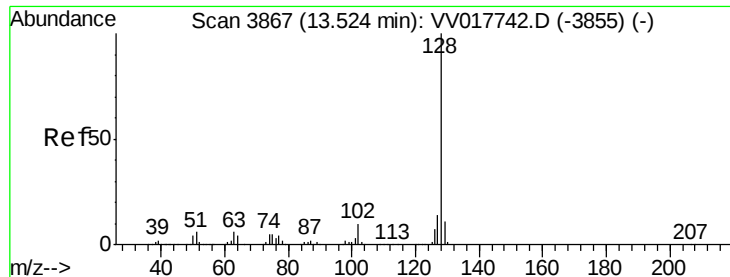
Tot Ion:180 Resp: 21990
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.9 115.3
 184 32.0 25.1 37.7
 145 30.9 24.3 36.5



#68
 1,2,4-trichlorobenzene
 Concen: 4.678 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017740.D
 Acq: 30 Jul 2020 10:04

Tgt Ion:180 Resp: 18545
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.0 114.0
 145 32.1 24.6 36.8





#69

Naphthalene

Concen: 4.254 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00561

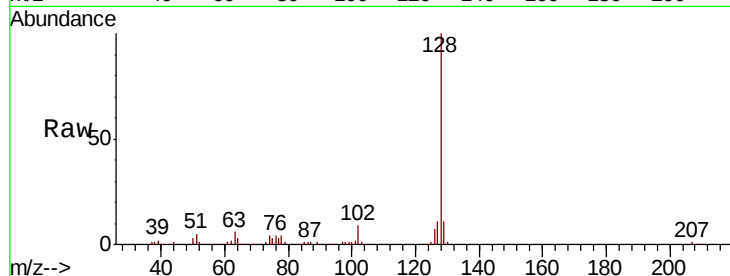
Tot Ion:128 Resp: 46193

Ion Ratio Lower Upper

128 100

127 11.5 10.7 16.1

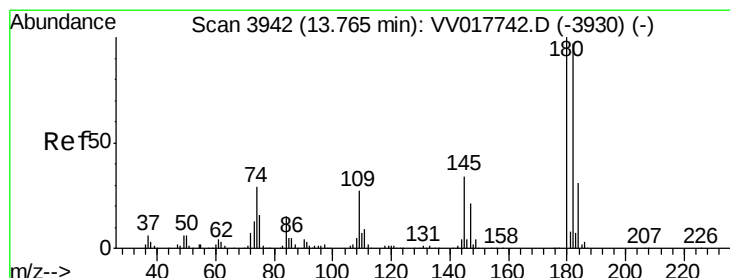
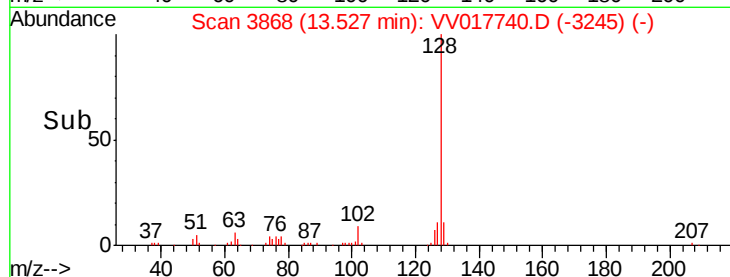
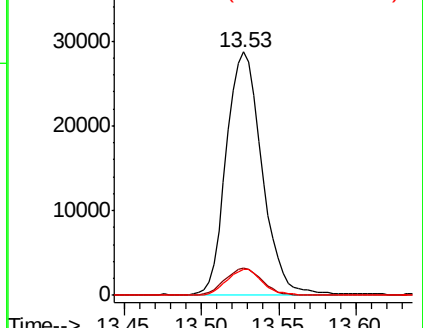
129 10.5 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.773 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017740.D

Acq: 30 Jul 2020 10:04

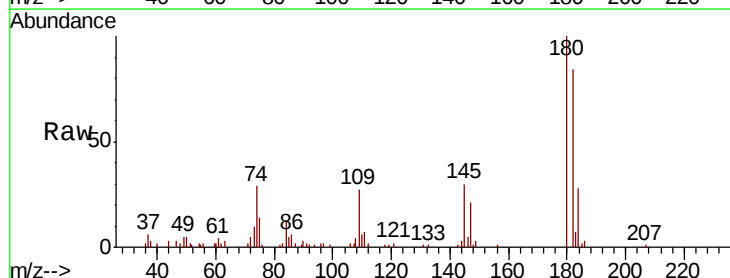
Tgt Ion:180 Resp: 18774

Ion Ratio Lower Upper

180 100

182 91.7 76.7 115.1

145 30.6 26.4 39.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

