

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101420\
 Data File : VV018891.D
 Acq On : 14 Oct 2020 13:10
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

Quant Time: Oct 14 14:21:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 14:19:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	264525	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	262557	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	131360	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	12606	7.63	ug/L	0.00
7) Chloroethane-d5	1.58	69	10038	7.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	23351	7.05	ug/L	0.00
21) 2-Butanone-d5	3.94	46	15177	12.43	ug/L	0.03
24) Chloroform-d	4.38	84	22169	6.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	14219	6.45	ug/L	0.00
32) Benzene-d6	5.08	84	41883	6.17	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	13133	6.32	ug/L	0.00
41) Toluene-d8	7.34	98	34967	5.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	5599	5.08	ug/L	0.01
47) 2-Hexanone-d5	8.12	63	6668	8.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	13564	5.04	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	14911	5.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12971	6.973	ug/L 98
3) Chloromethane	1.25	50	14407	7.090	ug/L 97
5) Vinyl chloride	1.32	62	13914	6.659	ug/L 98
6) Bromomethane	1.53	94	8275	5.941	ug/L 100
8) Chloroethane	1.60	64	7915	6.158	ug/L 100
9) Trichlorofluoromethane	1.77	101	18528	6.060	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	9605	5.643	ug/L 98
12) 1,1-Dichloroethene	2.13	96	9572	5.787	ug/L 93
13) Acetone	2.19	43	13365	13.199	ug/L 98
14) Carbon disulfide	2.31	76	33093	6.146	ug/L 97
15) Methyl Acetate	2.45	43	11896	5.980	ug/L 97
16) Methylene chloride	2.52	84	11405	5.759	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	10273	5.466	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	30481	5.273	ug/L 100
19) 1,1-Dichloroethane	3.22	63	19801	5.897	ug/L 97
20) cis-1,2-Dichloroethene	3.95	96	10350	5.199	ug/L 98
22) 2-Butanone	4.02	43	11617	8.991	ug/L 86
23) Bromochloromethane	4.29	128	5537	5.115	ug/L 86
25) Chloroform	4.41	83	20276	5.768	ug/L 98
27) 1,2-Dichloroethane	5.16	62	16204	5.870	ug/L 97
29) Cyclohexane	4.70	56	15242	5.113	ug/L 95
30) 1,1,1-Trichloroethane	4.63	97	17324	5.377	ug/L 95
31) Carbon tetrachloride	4.86	117	14249	4.980	ug/L 99
33) Benzene	5.13	78	40383	5.225	ug/L 100
34) Trichloroethene	5.94	95	13404	6.015	ug/L 95
35) Methylcyclohexane	6.16	83	14620	4.990	ug/L 96
37) 1,2-Dichloropropane	6.20	63	10658	5.314	ug/L 99
38) Bromodichloromethane	6.54	83	14046	5.307	ug/L 93
39) cis-1,3-Dichloropropene	7.05	75	14331	4.645	ug/L 97
40) 4-Methyl-2-pentanone	7.25	43	26578	10.111	ug/L 98

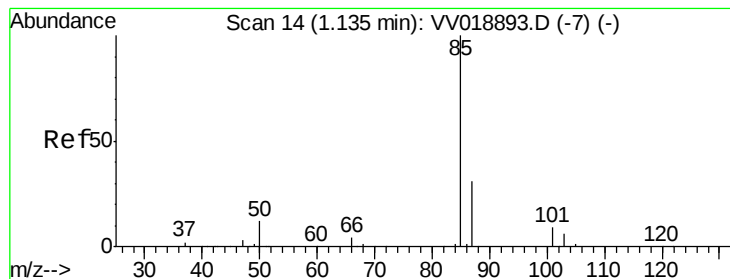
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101420\
 Data File : VV018891.D
 Acq On : 14 Oct 2020 13:10
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

Quant Time: Oct 14 14:21:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 14:19:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	39762	4.789	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	13424	4.397	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	10490	5.383	ug/L	98
46) Tetrachloroethene	8.00	164	8639	4.907	ug/L	95
48) 2-Hexanone	8.17	43	20585	10.007	ug/L	97
49) Dibromochloromethane	8.27	129	10178	4.631	ug/L	90
50) 1,2-Dibromoethane	8.38	107	10586	5.144	ug/L	95
51) Chlorobenzene	8.90	112	28396	5.122	ug/L	100
52) Ethylbenzene	9.04	91	42043	4.562	ug/L	97
53) m,p-Xylene	9.16	106	15626	4.426	ug/L	94
54) o-xylene	9.57	106	14512	4.333	ug/L	98
55) Styrene	9.59	104	24156	4.133	ug/L	95
56) Isopropylbenzene	9.95	105	37735	4.219	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	12045	4.417	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	13101	5.404	ug/L	99
61) Bromoform	9.76	173	6692	4.505	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	21071	5.039	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	22792	5.270	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	20909	5.018	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	2865	4.982	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	13512	4.693	ug/L	95
68) 1,2,4-trichlorobenzene	13.29	180	11730	4.394	ug/L	94
69) Naphthalene	13.53	128	27463	3.590	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	11641	4.322	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 6.973 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

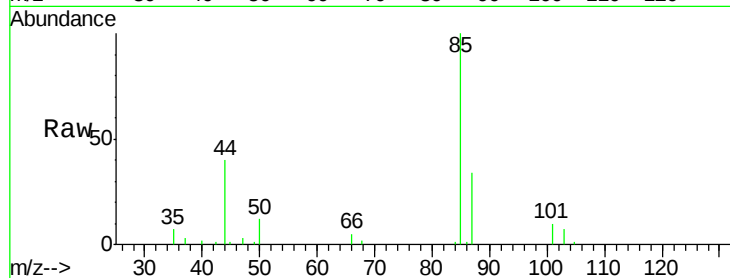
VSTD00501

Tgt Ion: 85 Resp: 12971

Ion Ratio Lower Upper

85 100

87 32.9 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV018891.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018891.D (-7) (-)

1.14

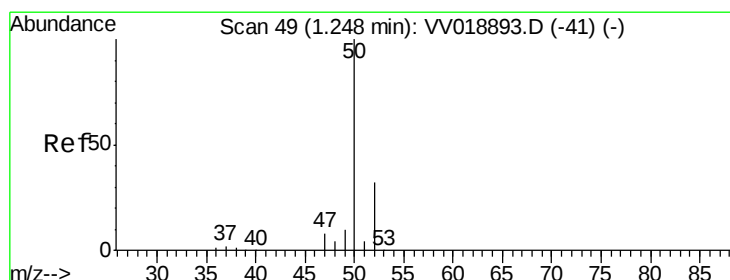
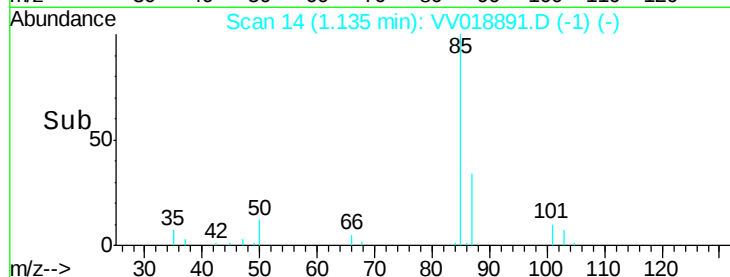
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 7.090 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018891.D

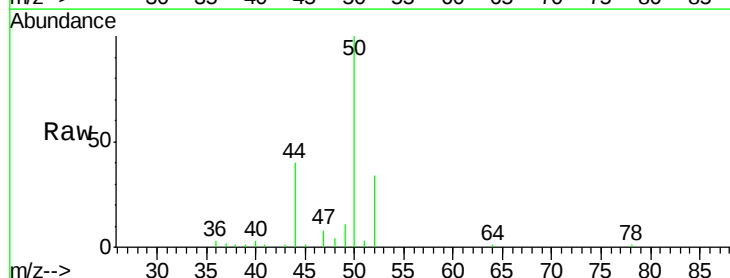
Acq: 14 Oct 2020 13:10

Tgt Ion: 50 Resp: 14407

Ion Ratio Lower Upper

50 100

52 33.8 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV018891.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV018891.D (-41) (-)

1.25

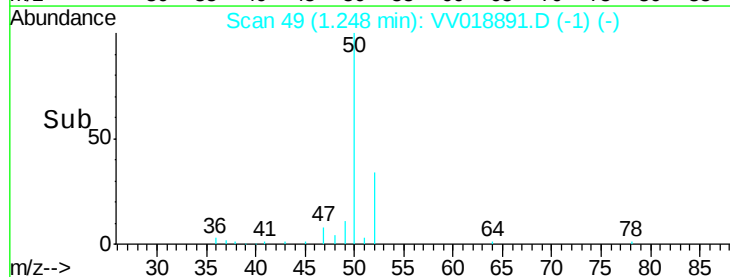
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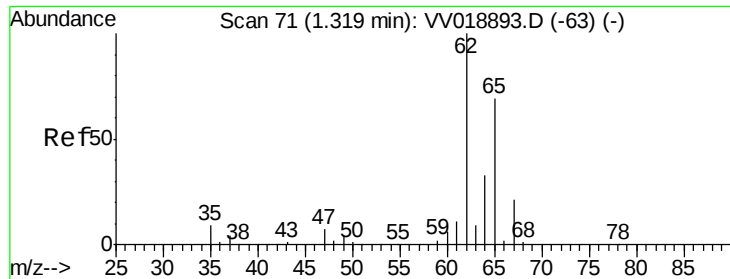
10000

5000

0

Time-->





#5

Vinyl chloride

Concen: 6.659 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

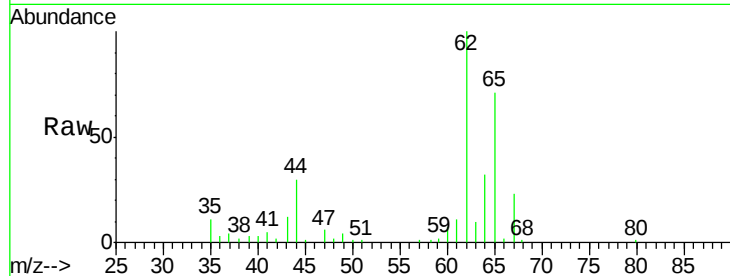
VSTD00501

Tgt Ion: 62 Resp: 13914

Ion Ratio Lower Upper

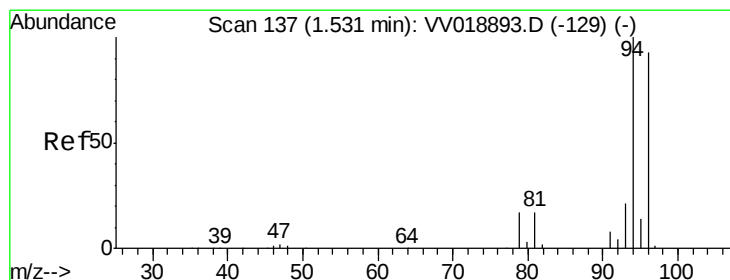
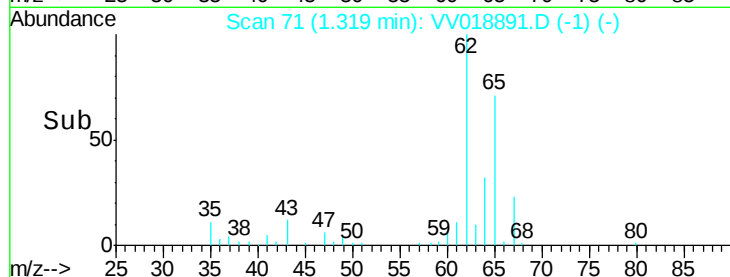
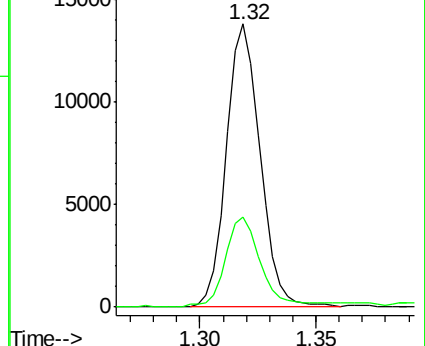
62 100

64 31.9 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 5.941 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018891.D

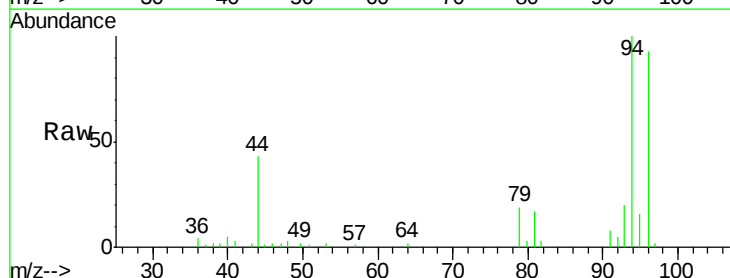
Acq: 14 Oct 2020 13:10

Tgt Ion: 94 Resp: 8275

Ion Ratio Lower Upper

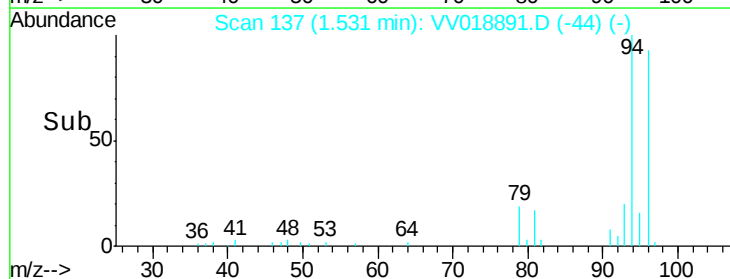
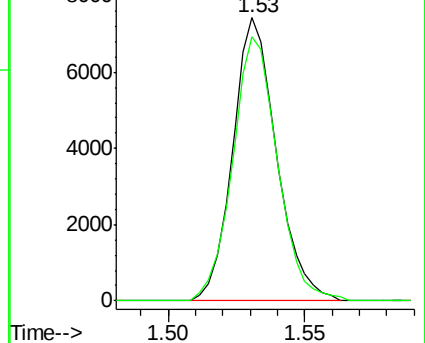
94 100

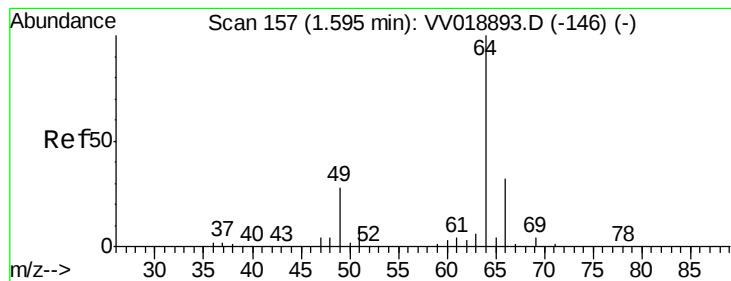
96 93.4 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 6.158 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

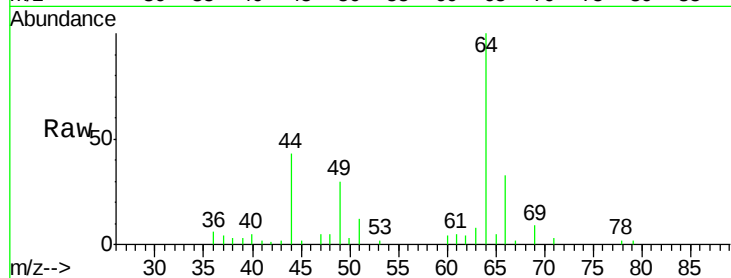
VSTD00501

Tgt Ion: 64 Resp: 7915

Ion Ratio Lower Upper

64 100

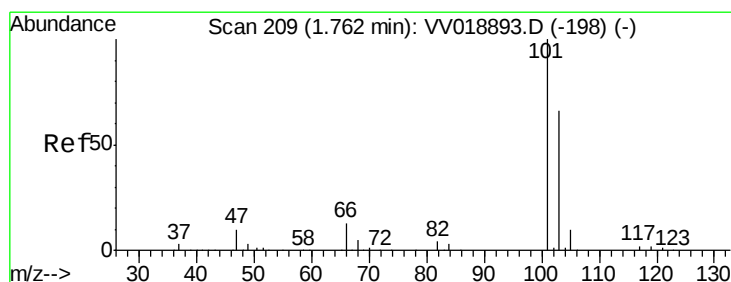
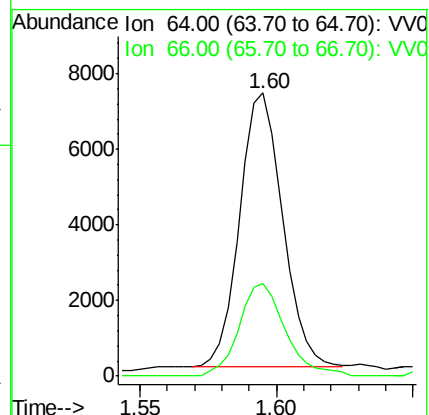
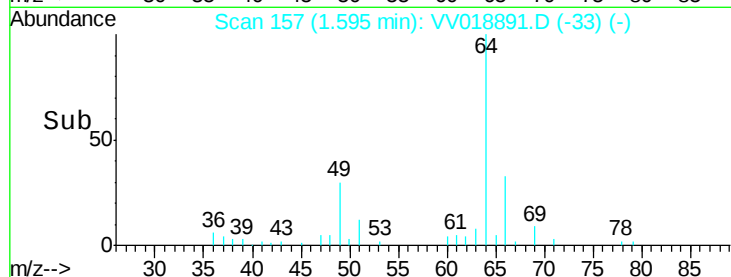
66 32.6 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV018893.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV018893.D (-146) (-)

Time-->



#9

Trichlorofluoromethane

Concen: 6.060 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018891.D

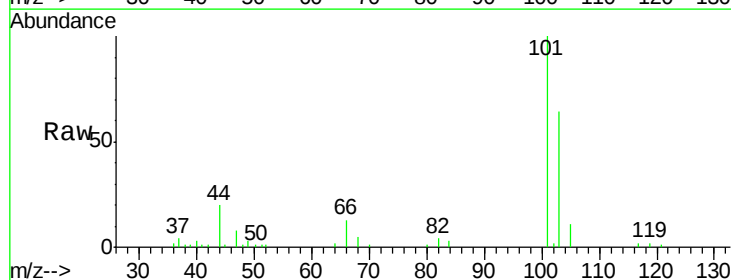
Acq: 14 Oct 2020 13:10

Tgt Ion: 101 Resp: 18528

Ion Ratio Lower Upper

101 100

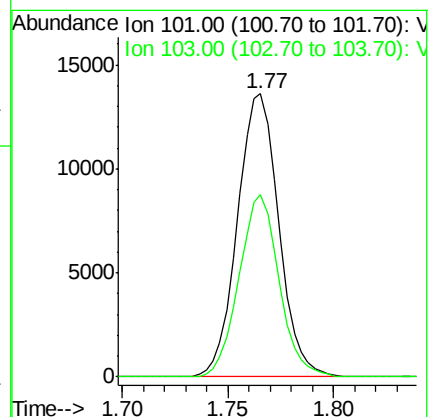
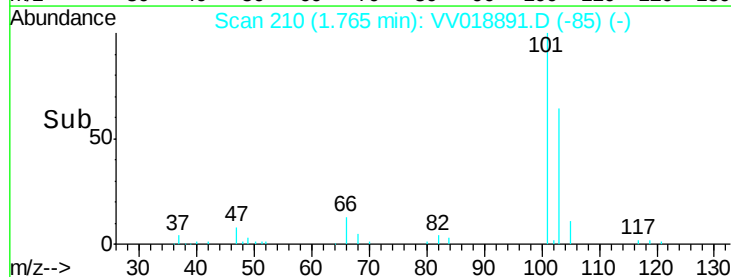
103 62.3 51.9 77.9

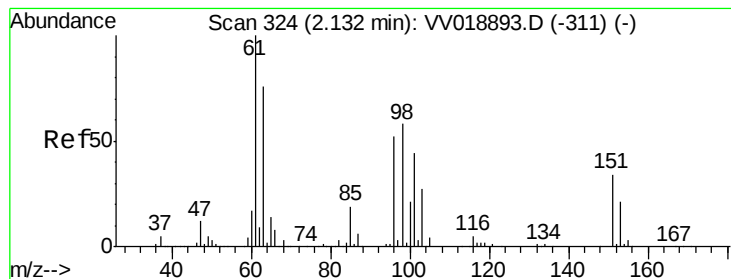


Abundance Ion 101.00 (100.70 to 101.70): VV018893.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV018893.D (-198) (-)

Time-->





#10

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

Concen: 5.643 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00501

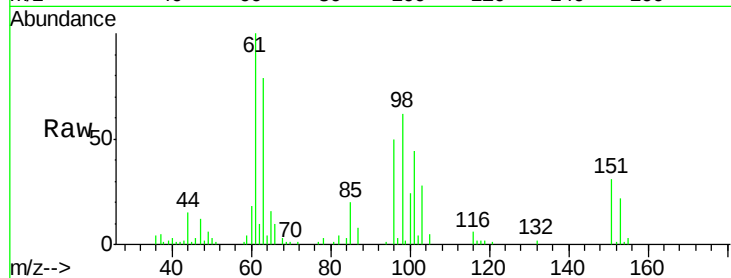
Tgt Ion: 101 Resp: 9605

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.4

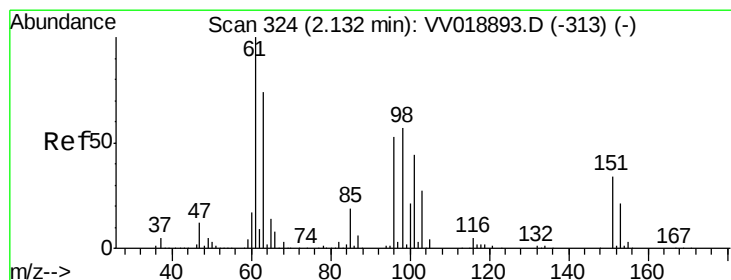
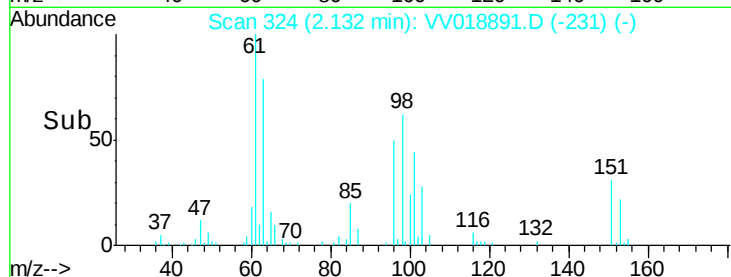
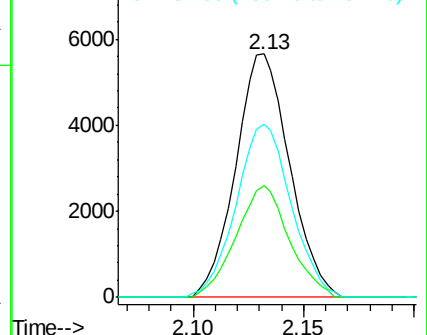
151 72.7 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.787 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

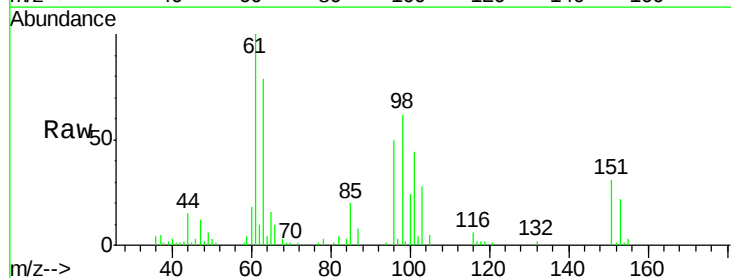
Tgt Ion: 96 Resp: 9572

Ion Ratio Lower Upper

96 100

61 199.3 133.5 247.9

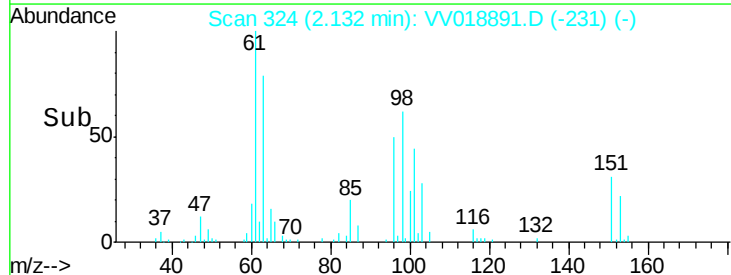
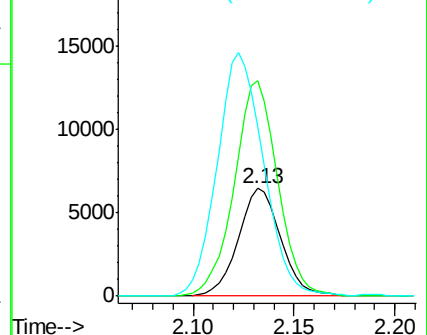
63 157.2 102.1 189.7

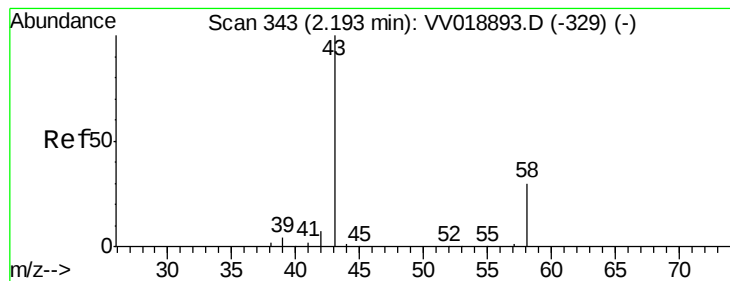


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 13.199 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

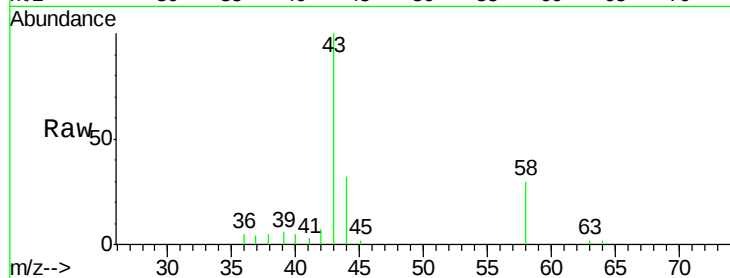
VSTD00501

Tgt Ion: 43 Resp: 13365

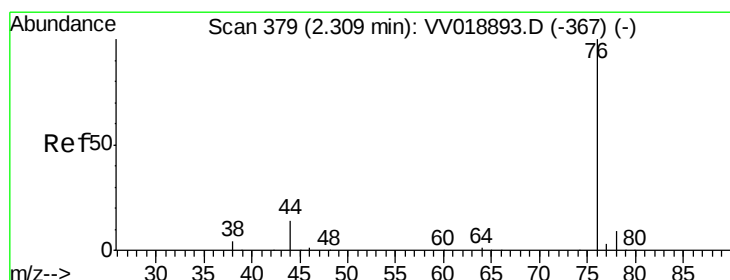
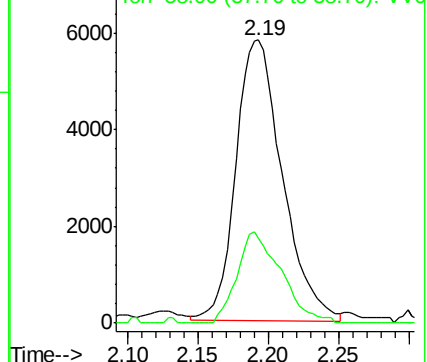
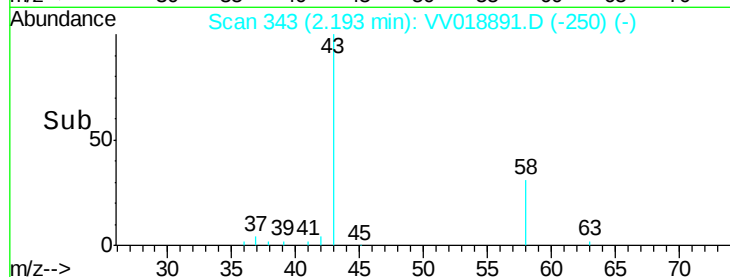
Ion Ratio Lower Upper

43 100

58 30.5 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV018891.D (-250) (-)



#14

Carbon disulfide

Concen: 6.146 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018891.D

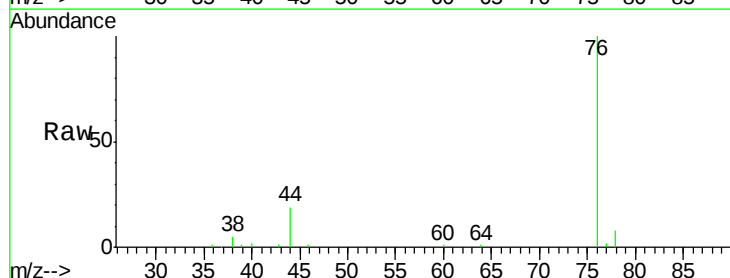
Acq: 14 Oct 2020 13:10

Tgt Ion: 76 Resp: 33093

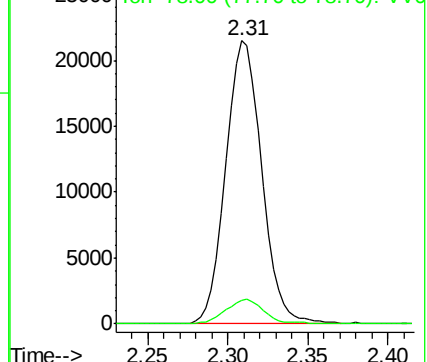
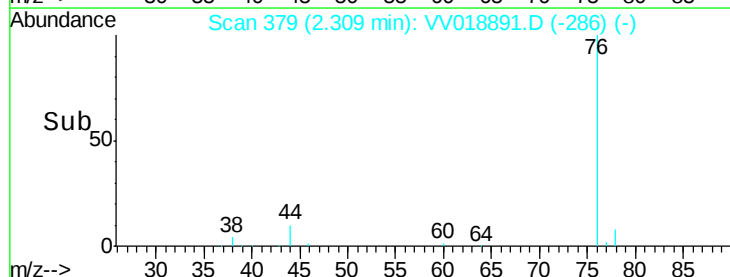
Ion Ratio Lower Upper

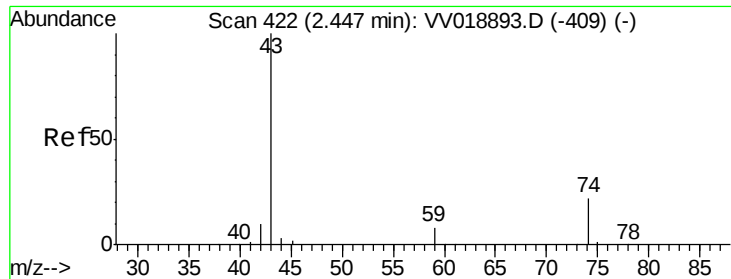
76 100

78 8.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018891.D (-286) (-)

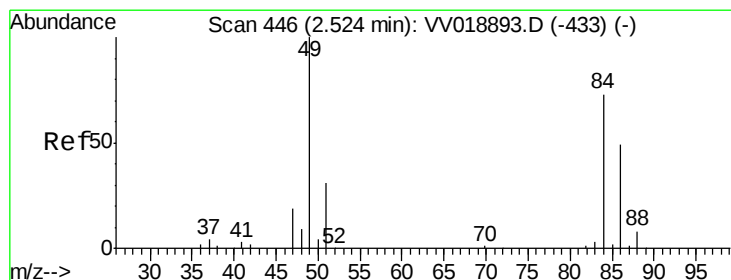
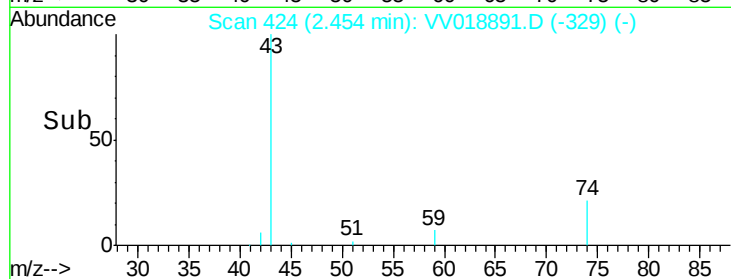
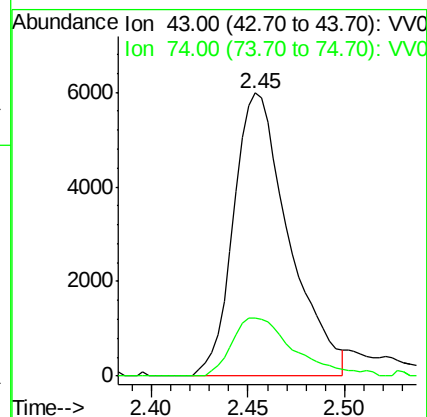
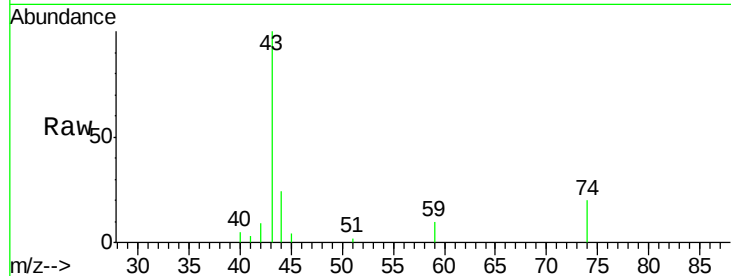




#15
Methyl Acetate
Concen: 5.980 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

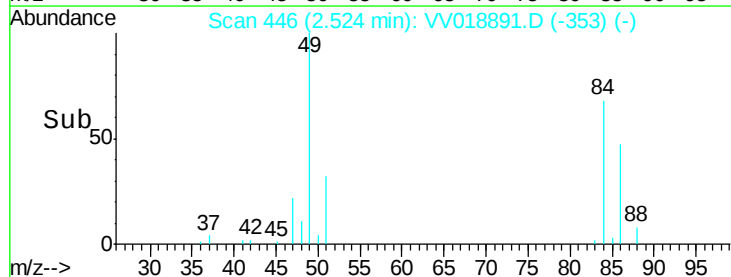
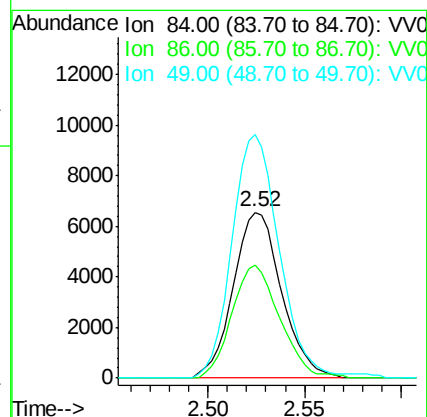
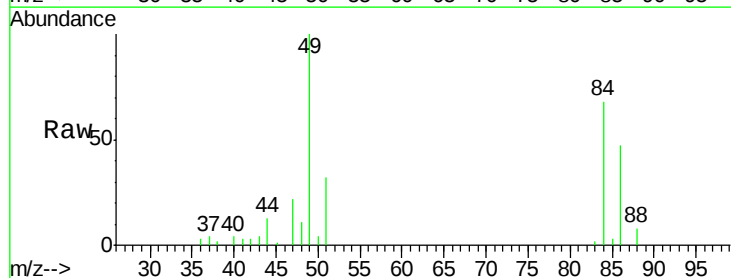
Instrument :
MSVOA_V
ClientSampled :
VSTD00501

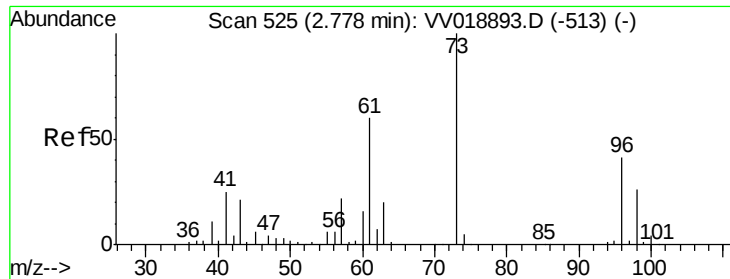
Tgt Ion: 43 Resp: 11896
Ion Ratio Lower Upper
43 100
74 22.8 17.0 25.6



#16
Methylene chloride
Concen: 5.759 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

Tgt Ion: 84 Resp: 11405
Ion Ratio Lower Upper
84 100
86 68.3 46.6 86.6
49 146.8 96.1 178.5

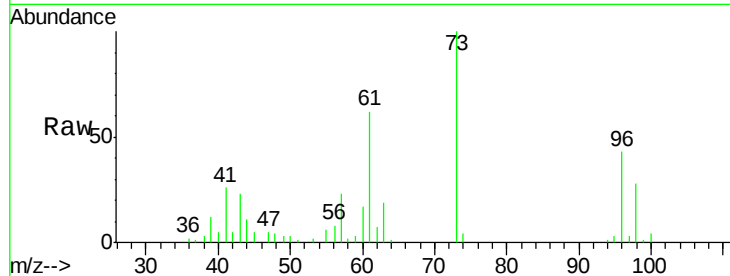




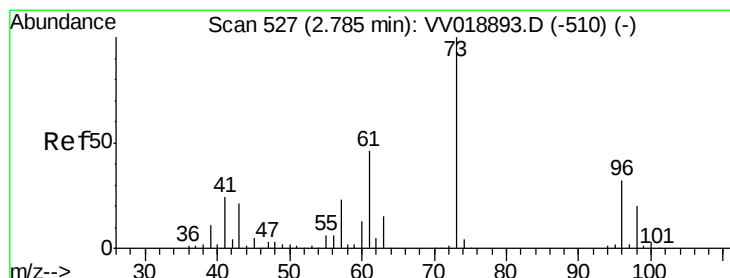
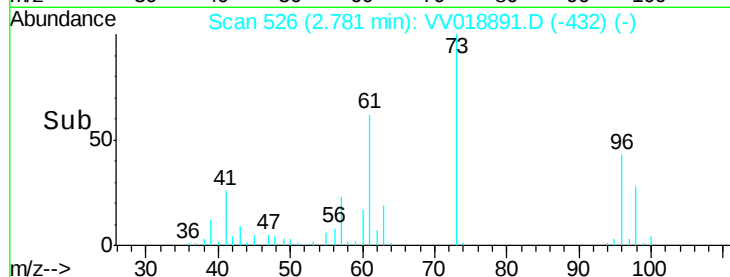
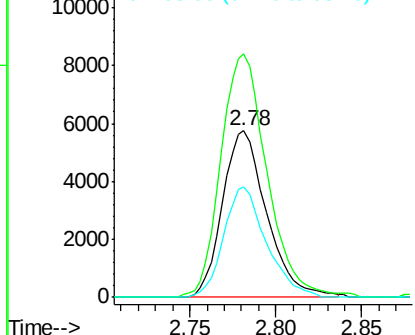
#17
trans-1,2-Dichloroethene
Concen: 5.466 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00501

Tgt Ion: 96 Resp: 10273
Ion Ratio Lower Upper
96 100
61 146.3 102.8 190.8
98 66.7 44.0 81.6

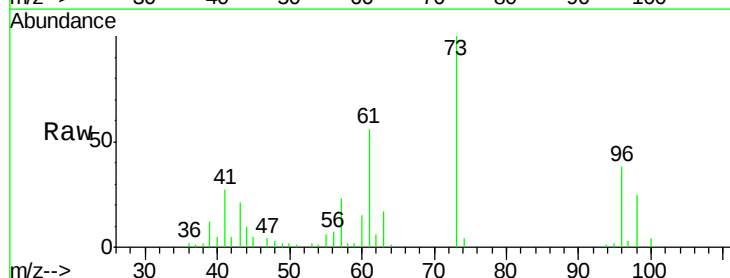


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

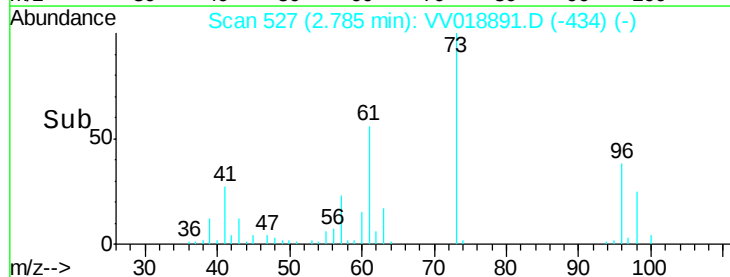
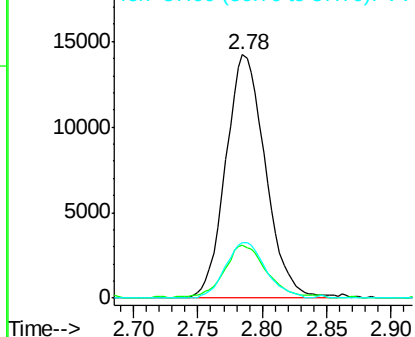


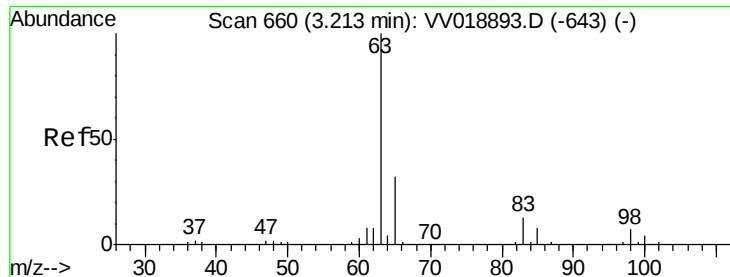
#18
Methyl tert-butyl Ether
Concen: 5.273 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

Tgt Ion: 73 Resp: 30481
Ion Ratio Lower Upper
73 100
43 21.4 16.9 25.3
57 23.1 18.3 27.5



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

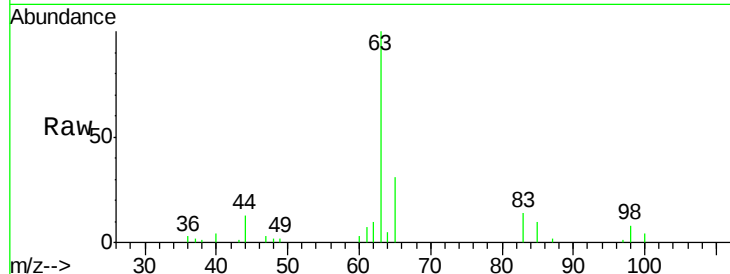




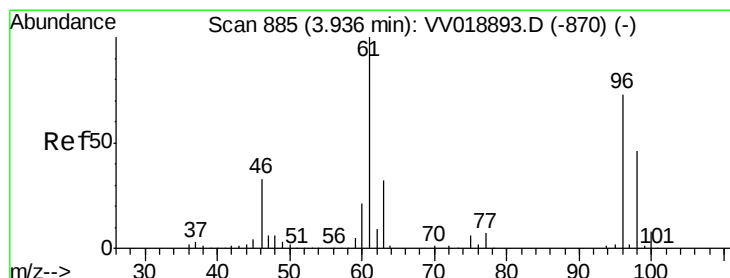
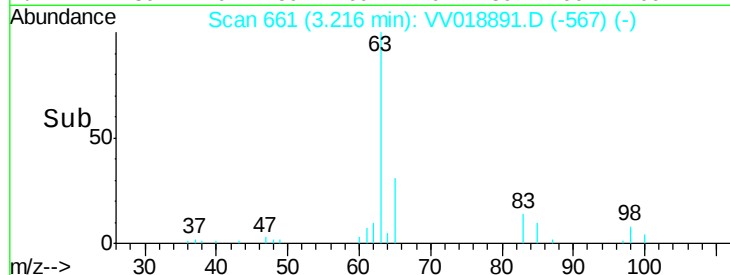
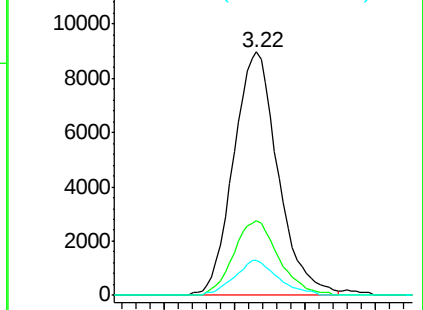
#19
 1,1-Dichloroethane
 Concen: 5.897 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

Tgt Ion: 63 Resp: 19801
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.5 41.9
 83 14.5 9.3 17.3

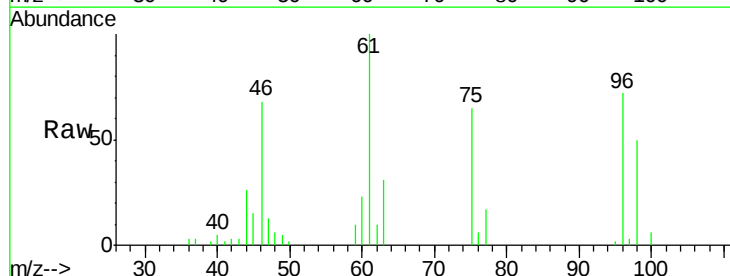


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

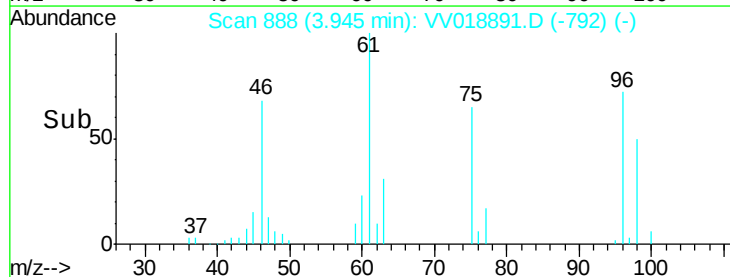
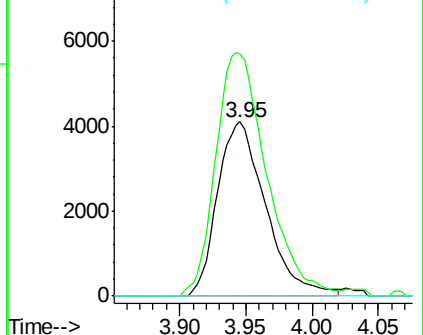


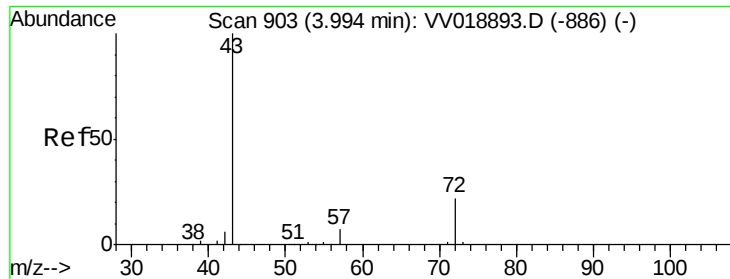
#20
 cis-1,2-Dichloroethene
 Concen: 5.199 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

Tgt Ion: 96 Resp: 10350
 Ion Ratio Lower Upper
 96 100
 61 139.1 96.1 178.5
 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: 8.991 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.02 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

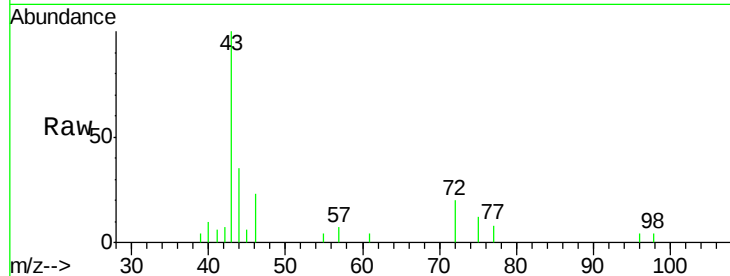
VSTD00501

Tgt Ion: 43 Resp: 11617

Ion Ratio Lower Upper

43 100

72 15.4 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018891.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV018891.D (-810) (-)

4.02

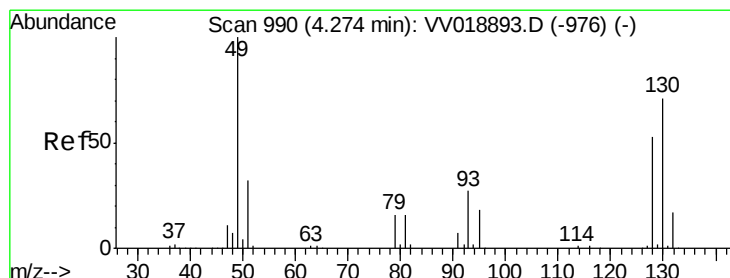
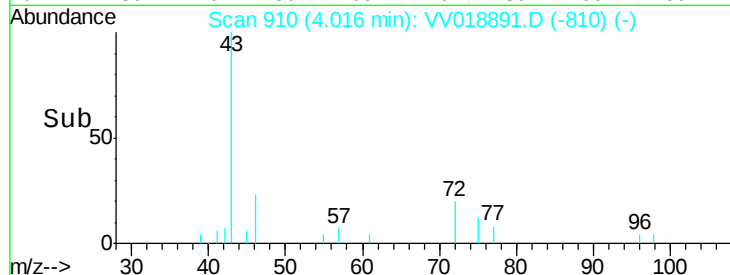
3000

2000

1000

0

Time-->



#23

Bromochloromethane

Concen: 5.115 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.02 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Tgt Ion: 128 Resp: 5537

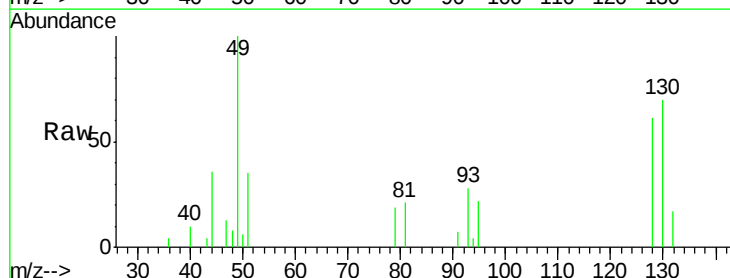
Ion Ratio Lower Upper

128 100

49 163.5 131.7 244.7

130 113.8 92.8 172.4

51 57.0 47.8 71.6



Abundance Ion 128.00 (127.70 to 128.70): VV018891.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018891.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018891.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018891.D (-897) (-)

4.29

6000

5000

4000

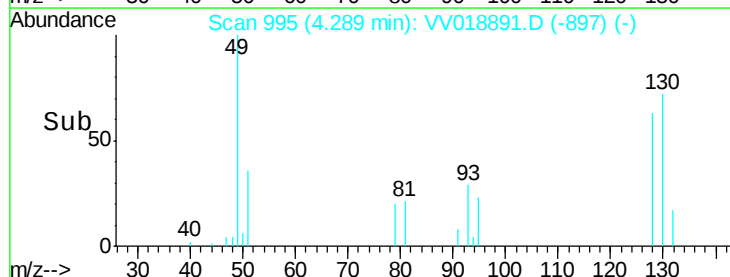
3000

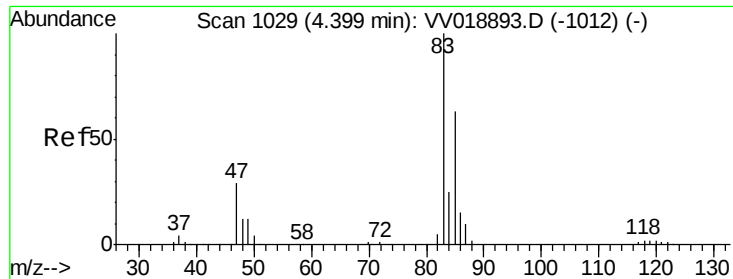
2000

1000

0

Time-->

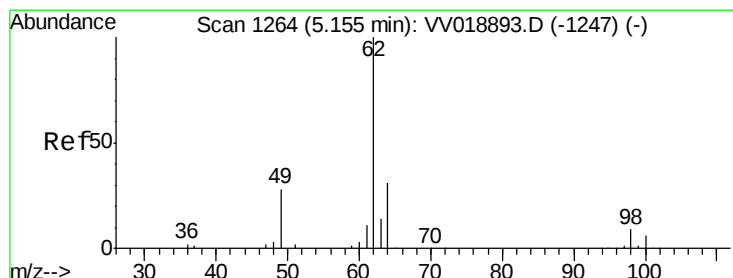
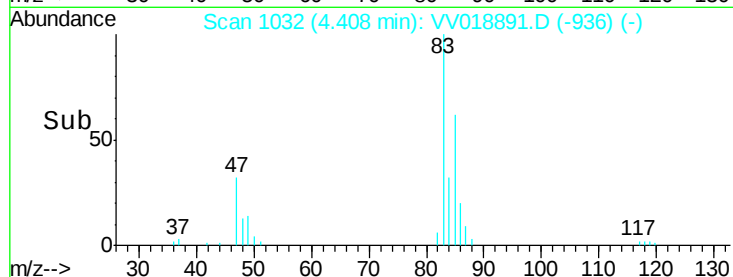
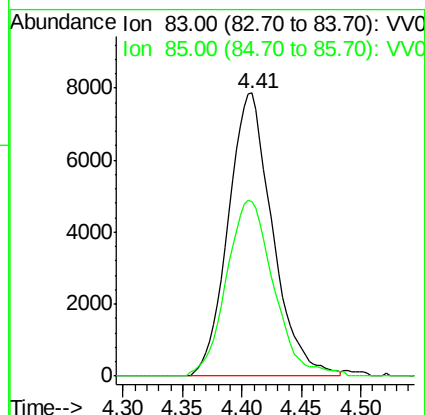
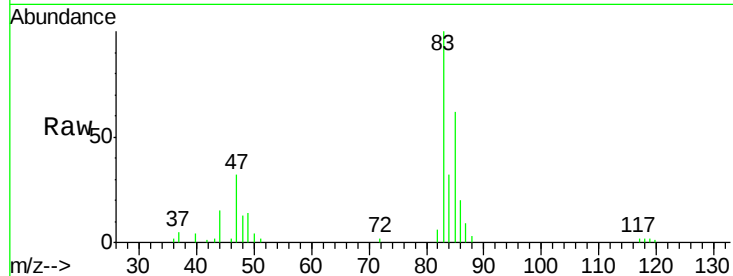




#25
Chloroform
Concen: 5.768 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

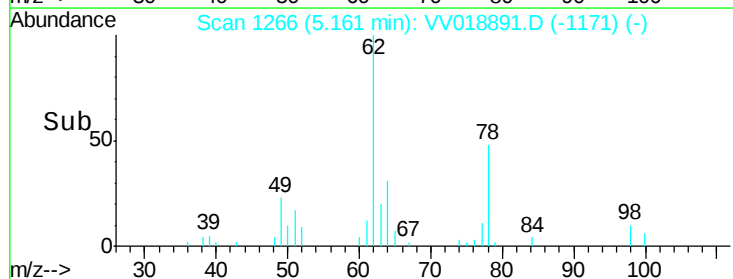
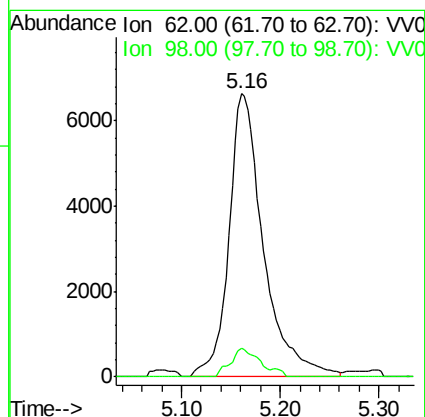
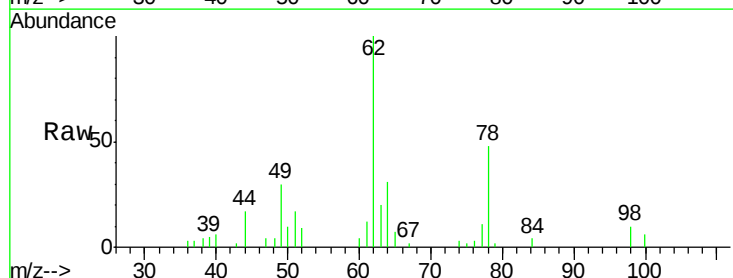
Instrument :
MSVOA_V
ClientSampleId :
VSTD00501

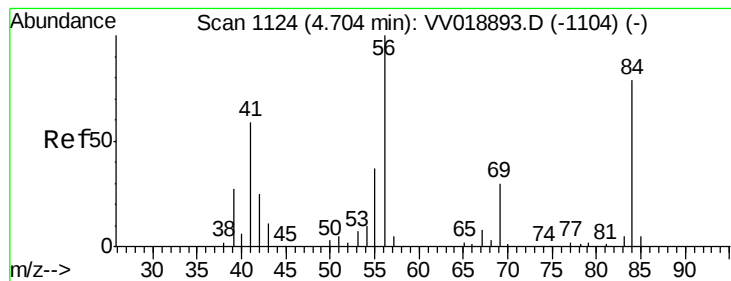
Tgt Ion: 83 Resp: 20276
Ion Ratio Lower Upper
83 100
85 61.8 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.870 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

Tgt Ion: 62 Resp: 16204
Ion Ratio Lower Upper
62 100
98 10.0 7.0 10.6





#29

Cyclohexane

Concen: 5.113 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00501

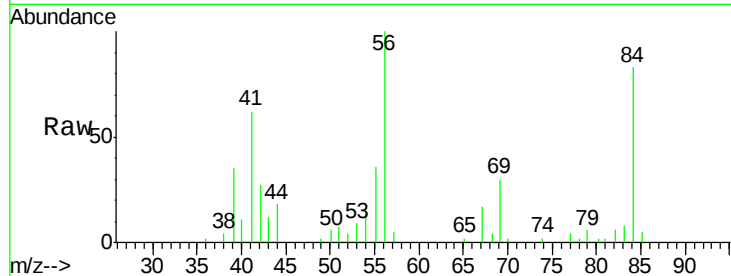
Tgt Ion: 56 Resp: 15242

Ion Ratio Lower Upper

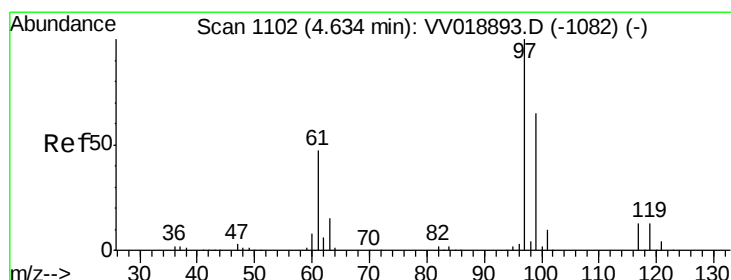
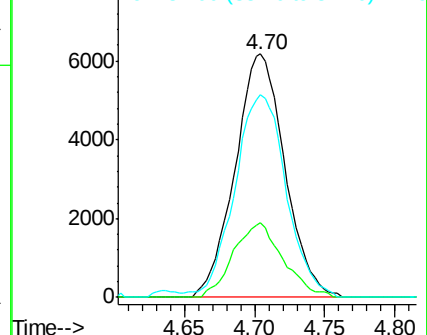
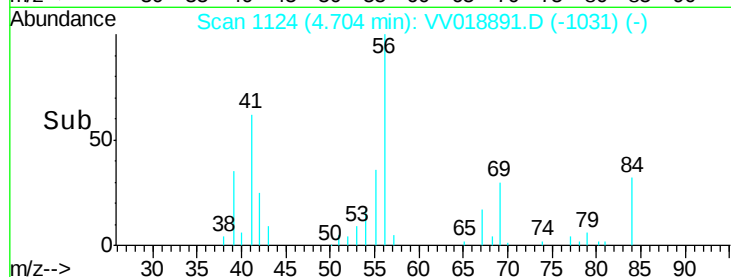
56 100

69 30.3 23.5 35.3

84 85.9 64.7 97.1



Abundance Ion 56.00 (55.70 to 56.70): VV018891.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 5.377 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

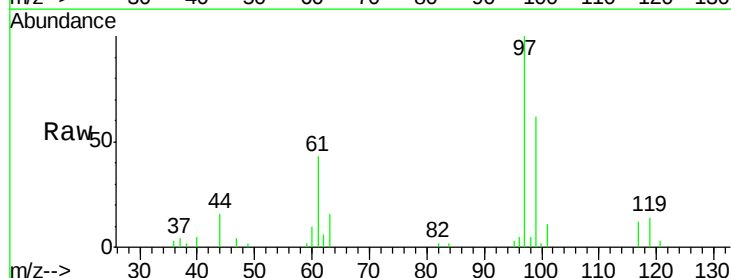
Tgt Ion: 97 Resp: 17324

Ion Ratio Lower Upper

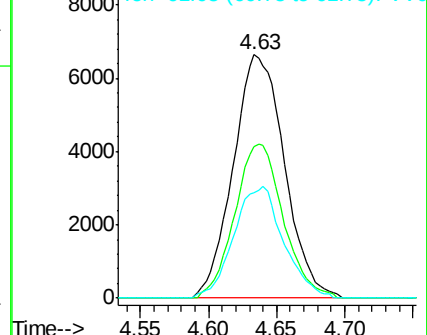
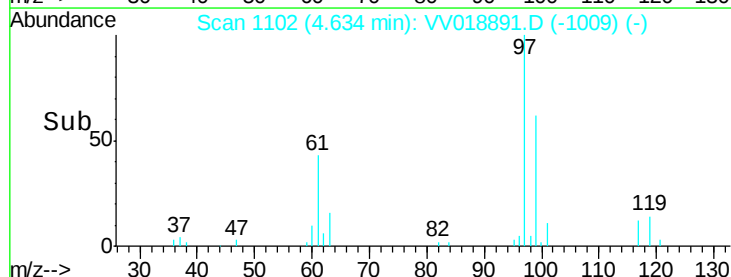
97 100

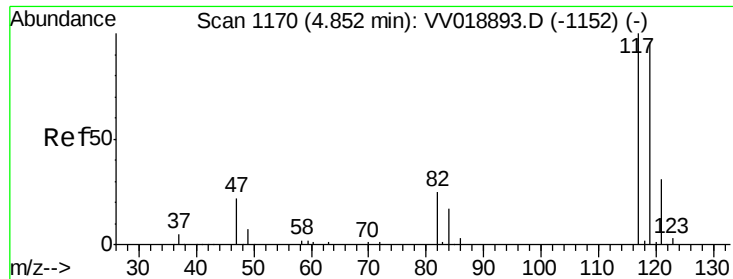
99 59.9 51.2 76.8

61 44.5 37.5 56.3



Abundance Ion 97.00 (96.70 to 97.70): VV018891.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 4.980 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

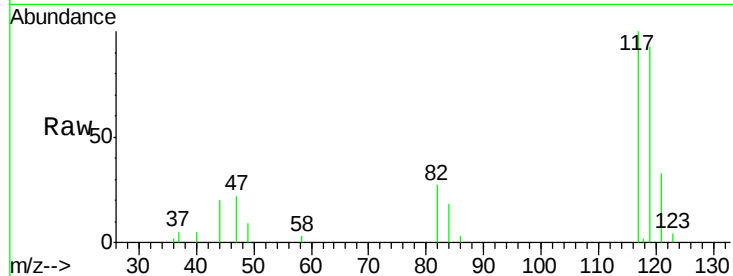
VSTD00501

Tgt Ion:117 Resp: 14249

Ion Ratio Lower Upper

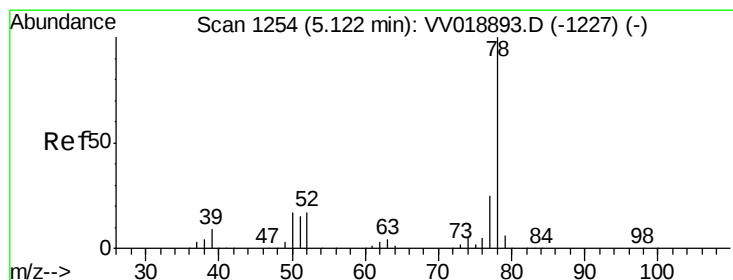
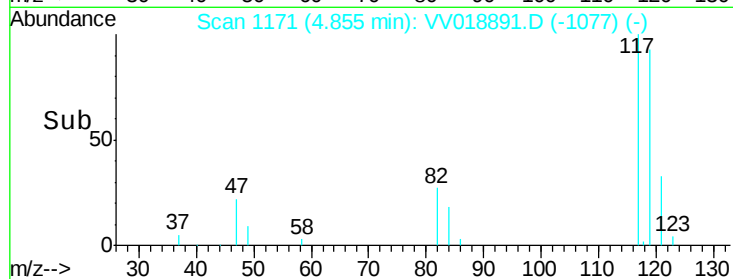
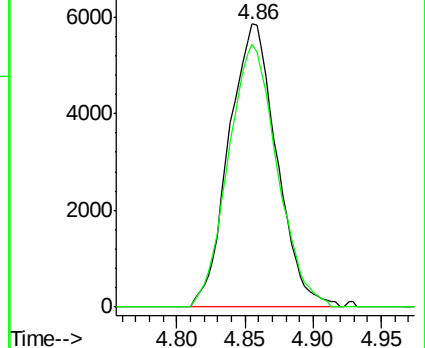
117 100

119 94.8 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.225 ug/L

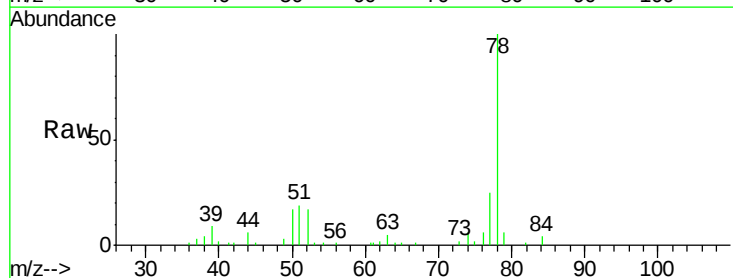
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

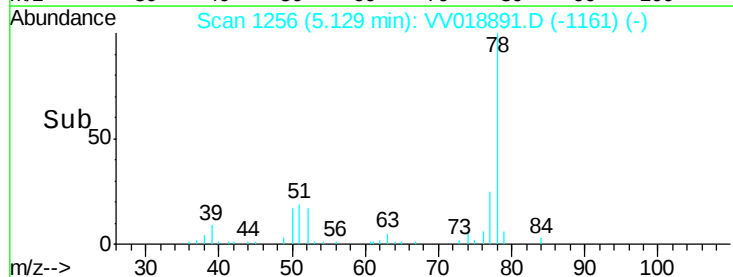
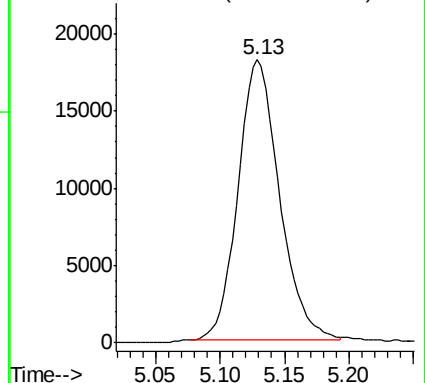
Lab File: VV018891.D

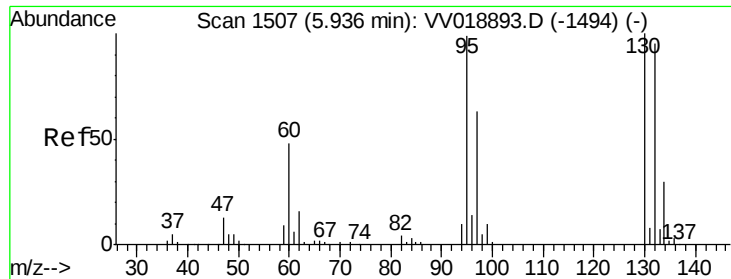
Acq: 14 Oct 2020 13:10

Tgt Ion: 78 Resp: 40383



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 6.015 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00501

Tgt Ion: 95 Resp: 13404

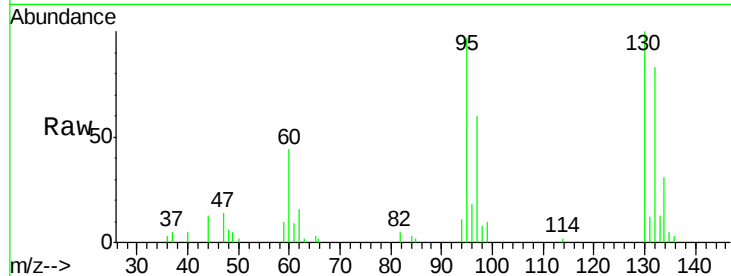
Ion Ratio Lower Upper

95 100

97 61.6 44.7 82.9

132 85.4 67.0 124.4

130 103.4 70.8 131.6

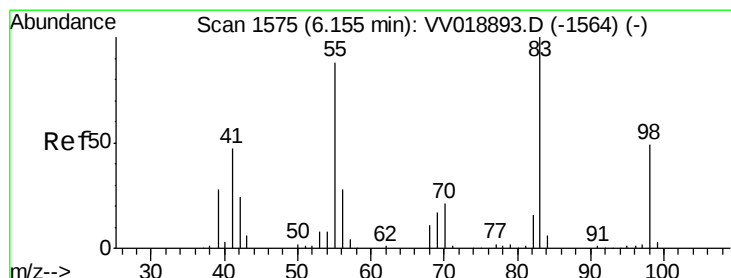
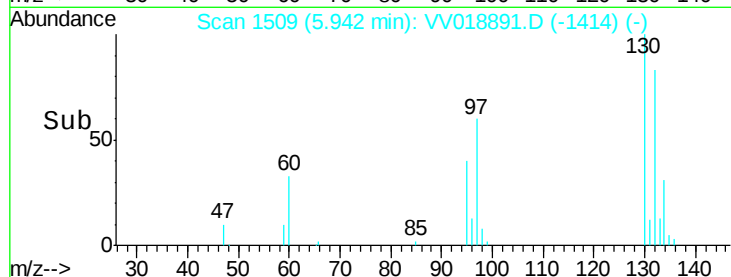
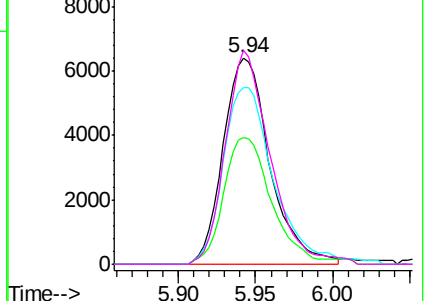


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.990 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

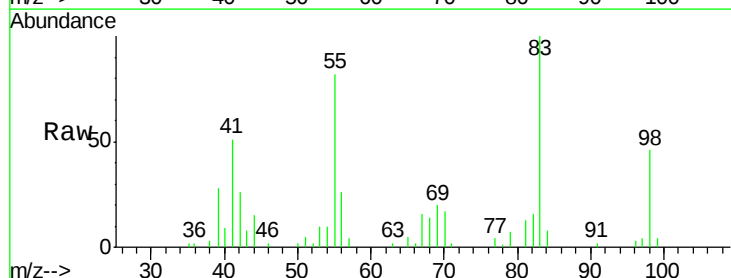
Tgt Ion: 83 Resp: 14620

Ion Ratio Lower Upper

83 100

55 81.4 67.3 100.9

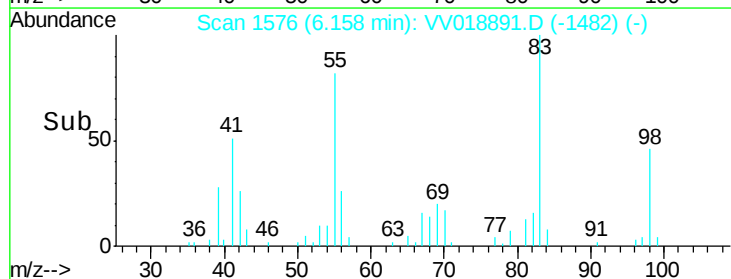
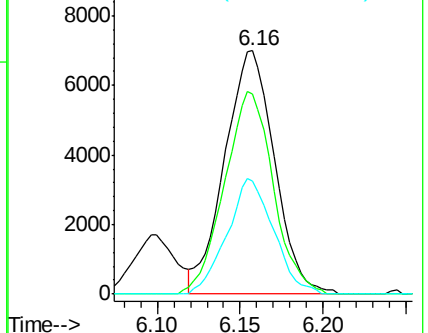
98 44.3 37.9 56.9

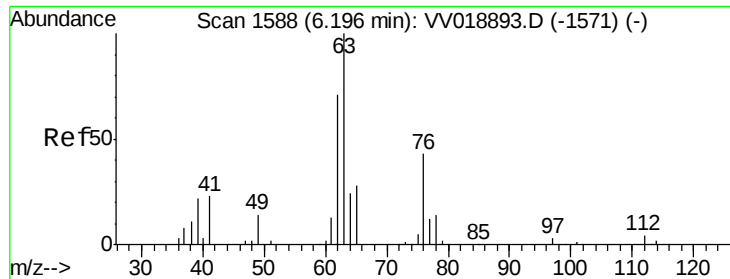


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

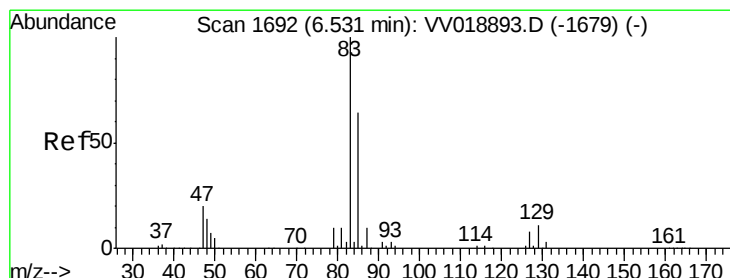
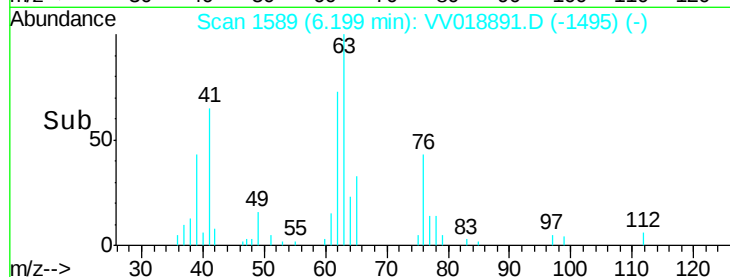
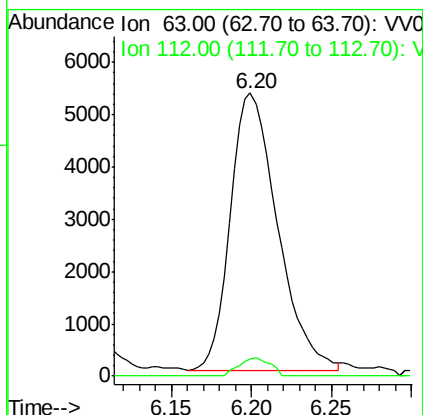
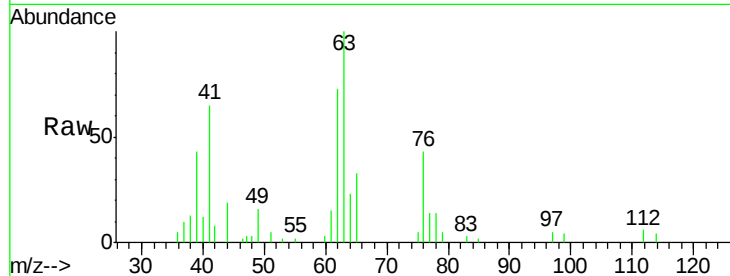




#37
 1,2-Dichloropropane
 Concen: 5.314 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

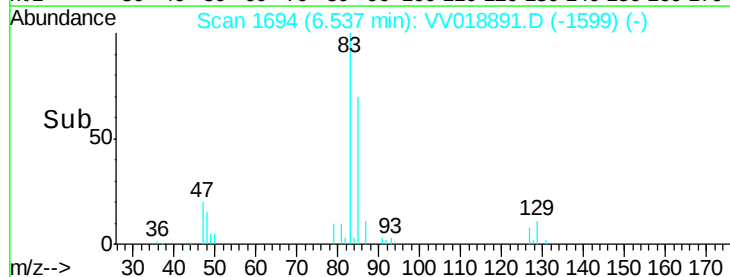
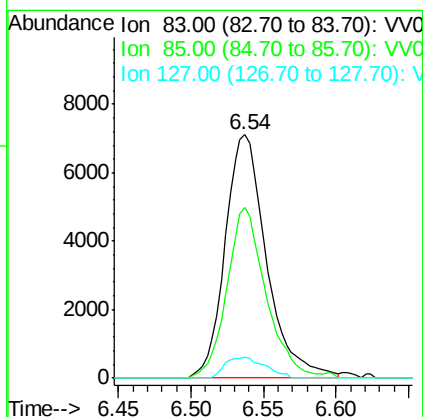
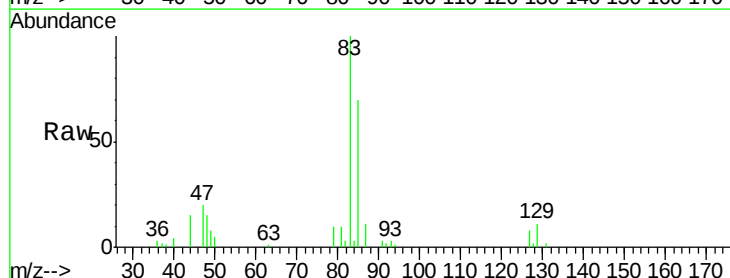
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

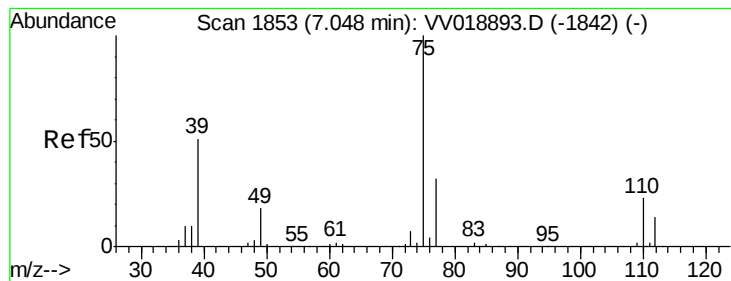
Tgt Ion: 63 Resp: 10658
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.307 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

Tgt Ion: 83 Resp: 14046
 Ion Ratio Lower Upper
 83 100
 85 70.0 44.7 83.1
 127 8.5 6.6 9.8



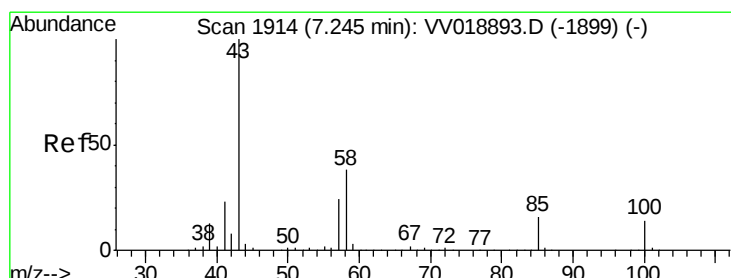
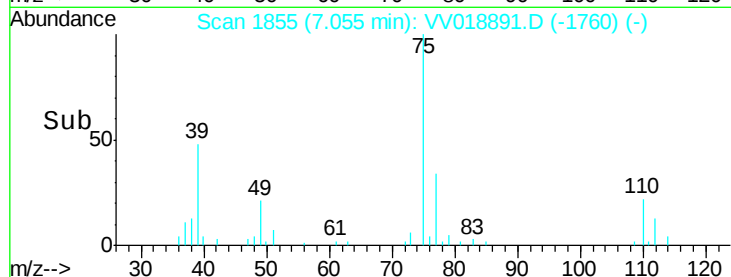
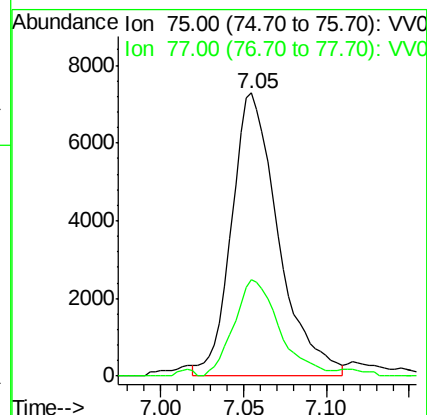
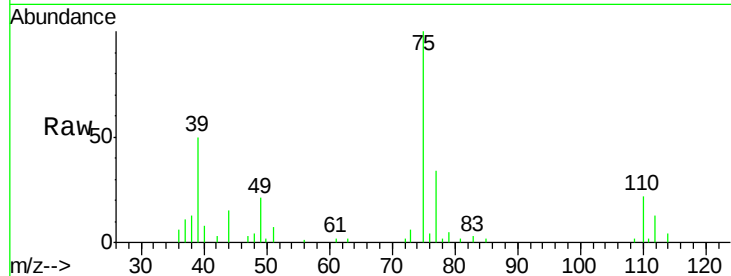


#39

cis-1,3-Dichloropropene
 Concen: 4.645 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

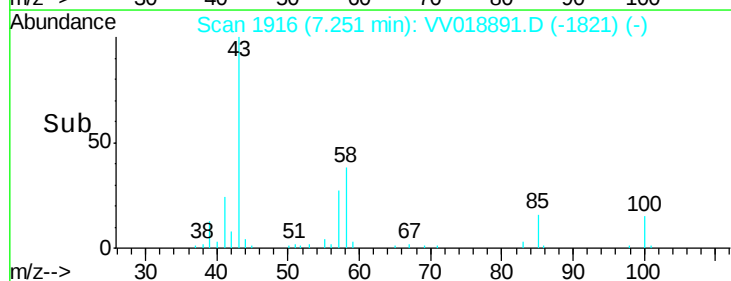
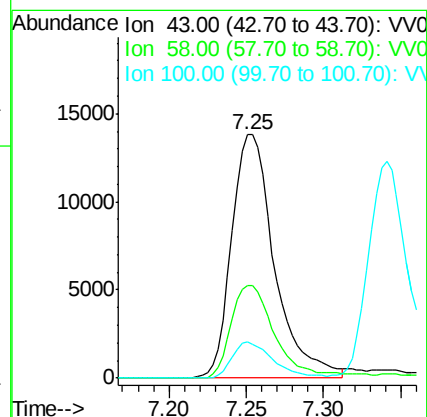
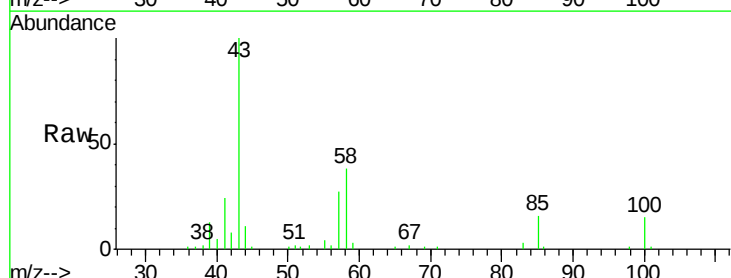
Tgt Ion: 75 Resp: 14331
 Ion Ratio Lower Upper
 75 100
 77 33.9 22.5 41.9

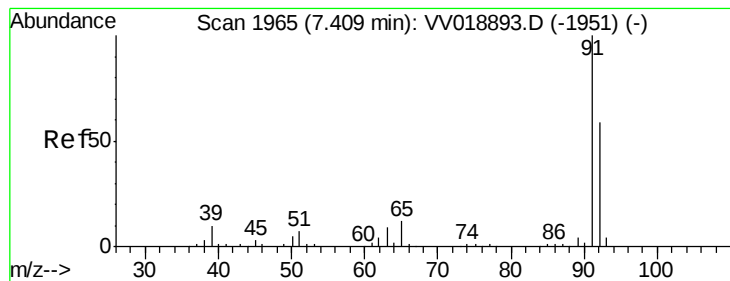


#40

4-Methyl-2-pentanone
 Concen: 10.111 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

Tgt Ion: 43 Resp: 26578
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.5 45.7
 100 14.3 11.1 16.7





#42

Toluene

Concen: 4.789 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

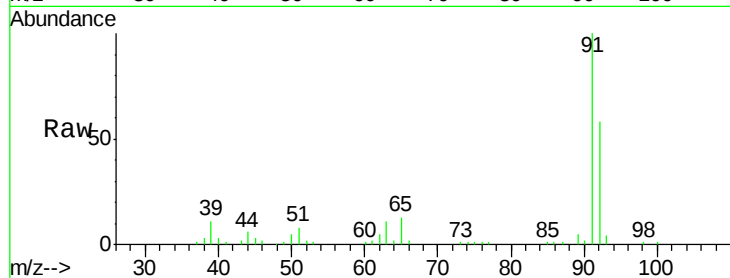
VSTD00501

Tgt Ion: 91 Resp: 39762

Ion Ratio Lower Upper

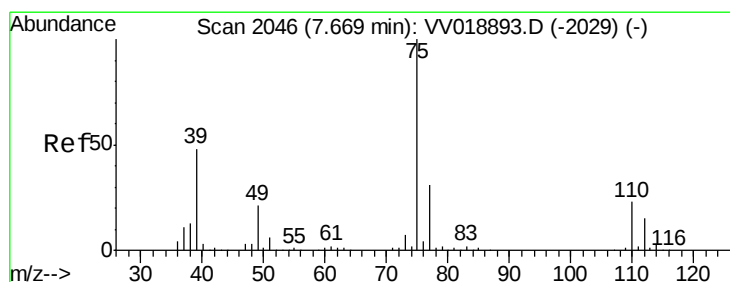
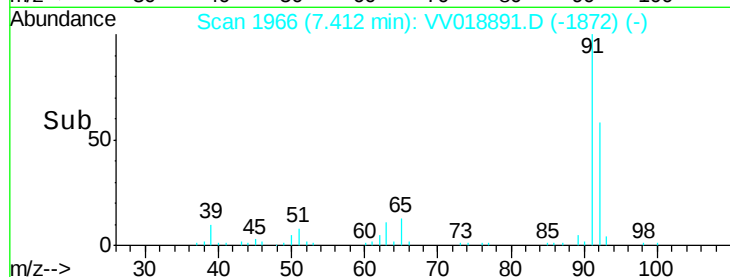
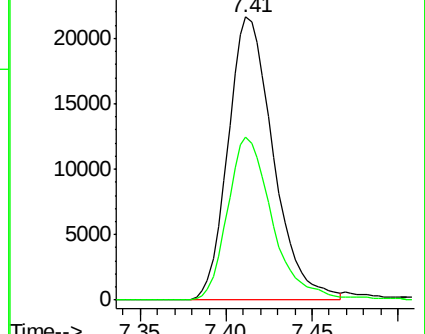
91 100

92 57.6 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.397 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018891.D

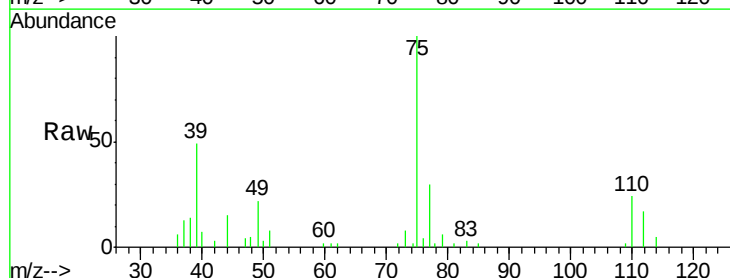
Acq: 14 Oct 2020 13:10

Tgt Ion: 75 Resp: 13424

Ion Ratio Lower Upper

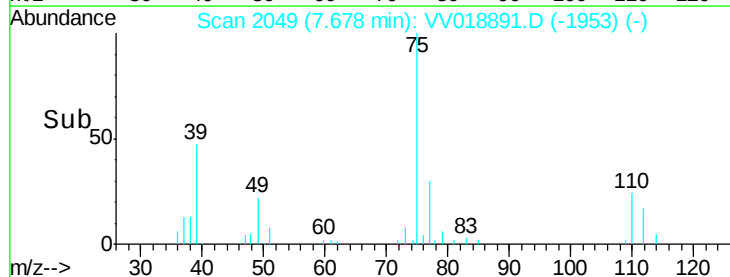
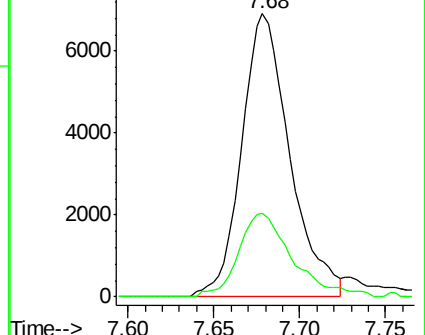
75 100

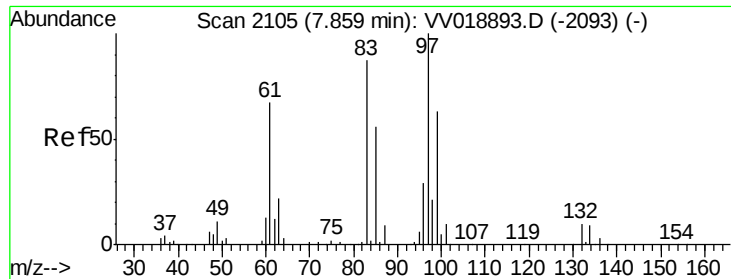
77 29.5 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

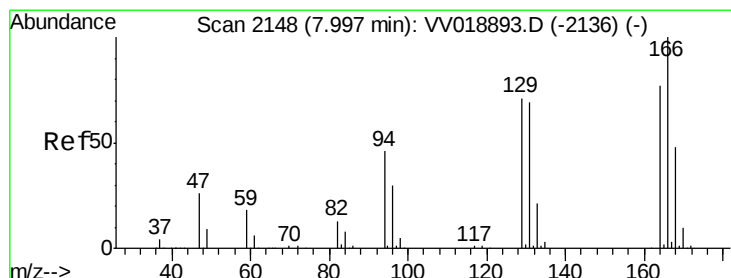
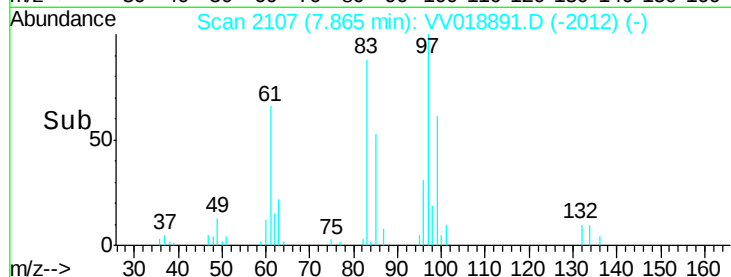
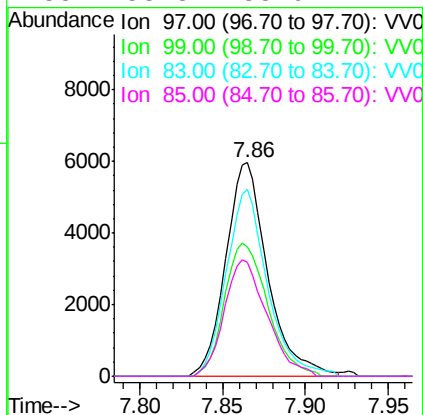
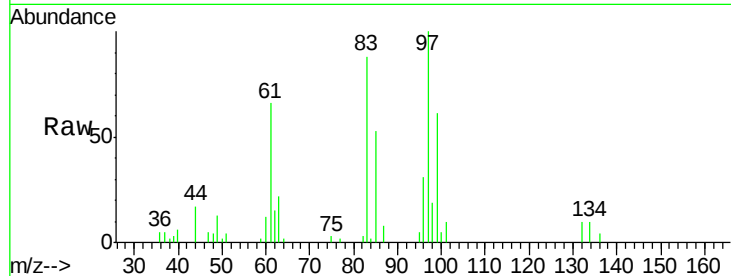




#45
 1,1,2-Trichloroethane
 Concen: 5.383 ug/L
 RT: 7.86 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

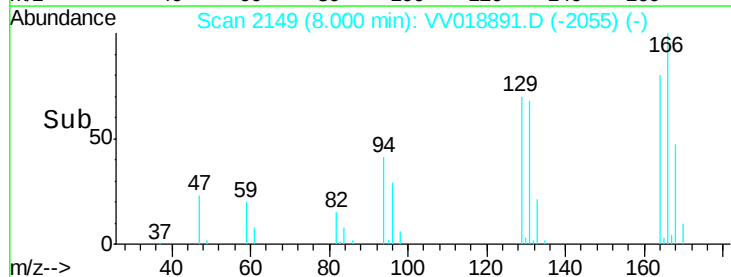
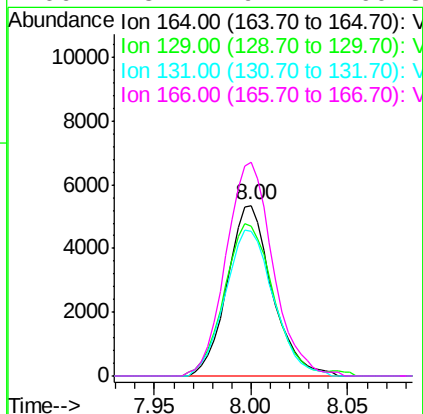
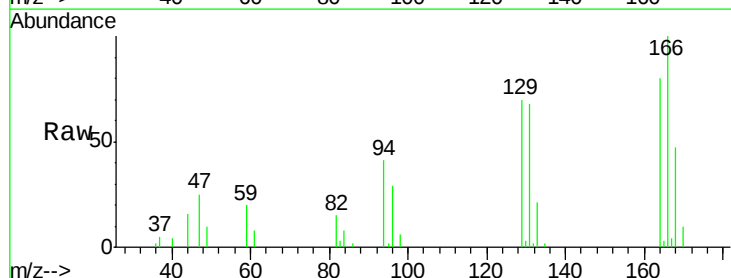
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

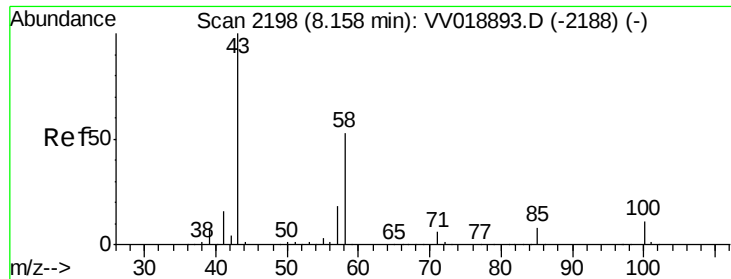
Tgt Ion:	97	Resp:	10490
Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.8	81.4
83	87.7	61.0	113.4
85	53.3	38.9	72.2



#46
 Tetrachloroethene
 Concen: 4.907 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

Tgt Ion:	164	Resp:	8639
Ion	Ratio	Lower	Upper
164	100		
129	87.9	65.0	120.8
131	85.3	62.9	116.7
166	125.4	91.1	169.3

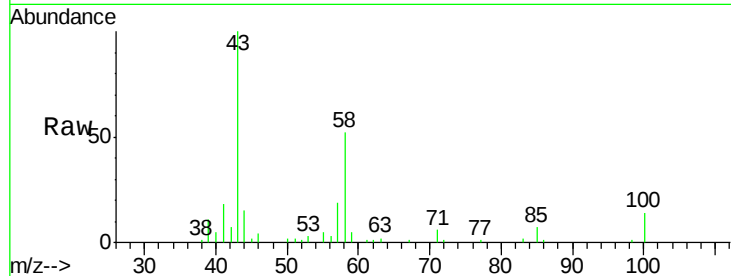




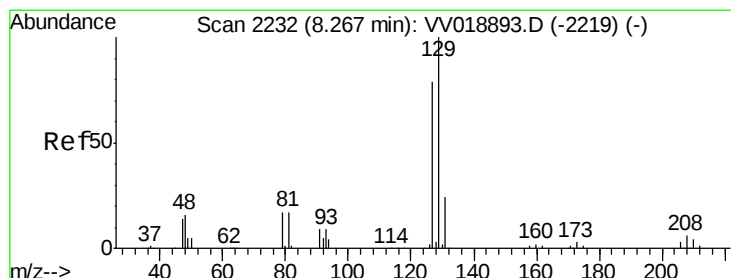
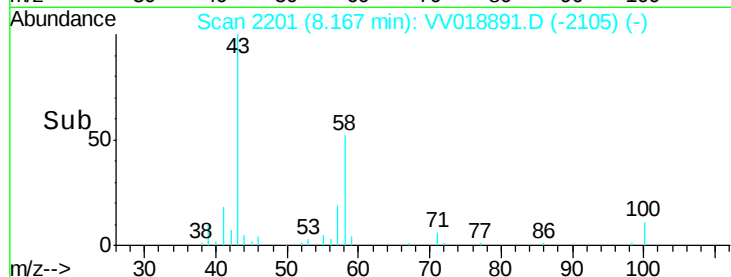
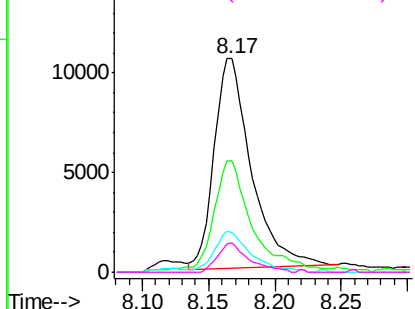
#48
2-Hexanone
Concen: 10.007 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00501

Tgt Ion: 43 Resp: 20585
Ion Ratio Lower Upper
43 100
58 50.5 42.5 63.7
57 19.2 14.5 21.7
100 11.7 9.0 13.4

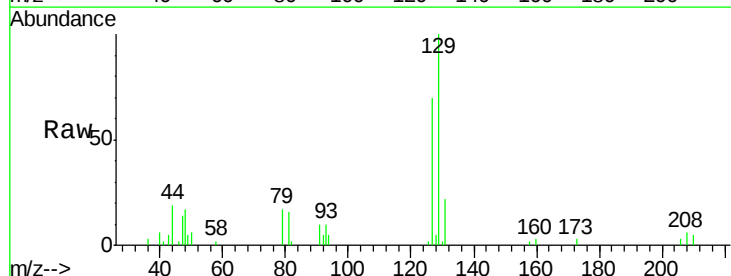


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

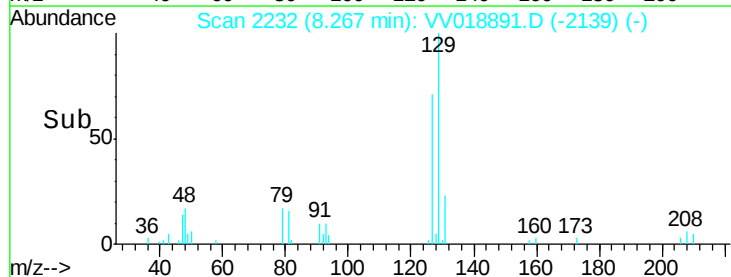
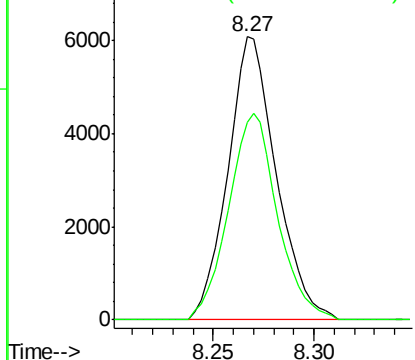


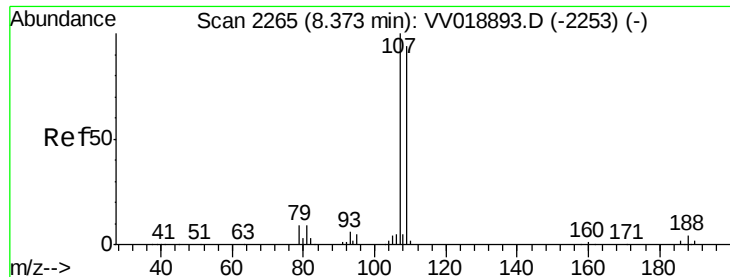
#49
Dibromochloromethane
Concen: 4.631 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

Tgt Ion: 129 Resp: 10178
Ion Ratio Lower Upper
129 100
127 70.0 55.2 102.6



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

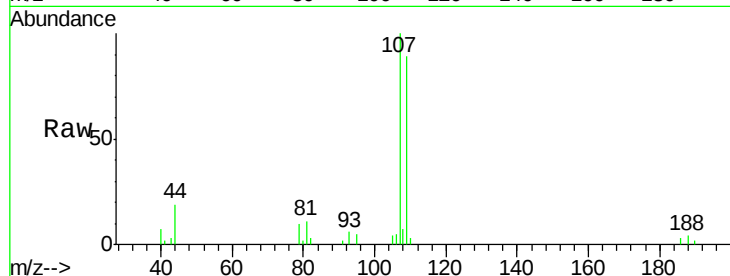




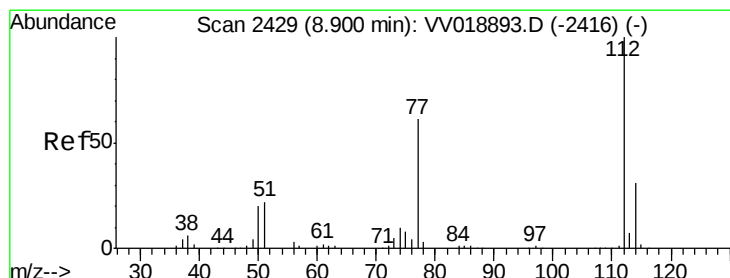
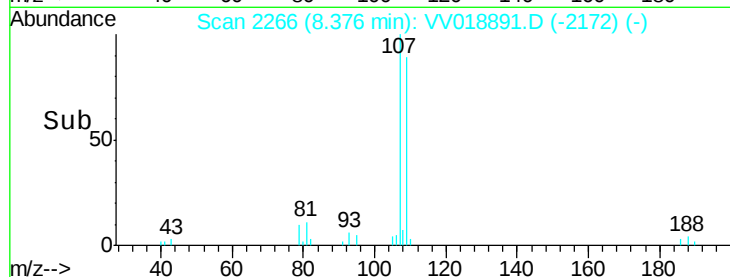
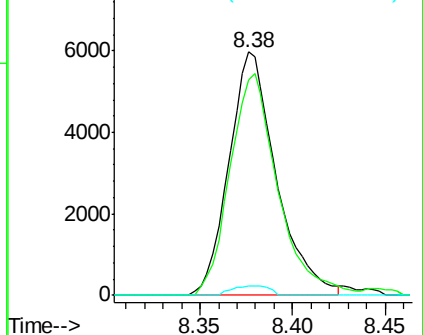
#50
1,2-Dibromoethane
Concen: 5.144 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00501

Tgt Ion:107 Resp: 10586
Ion Ratio Lower Upper
107 100
109 88.5 65.8 122.2
188 3.9 3.2 4.8

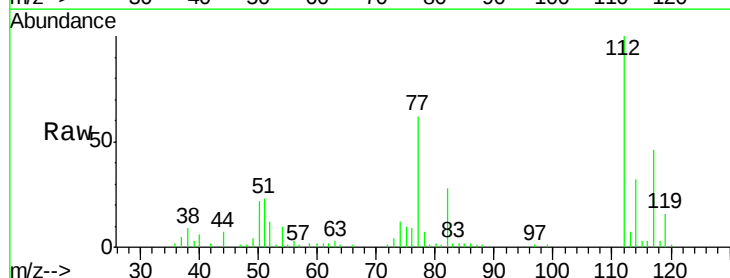


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

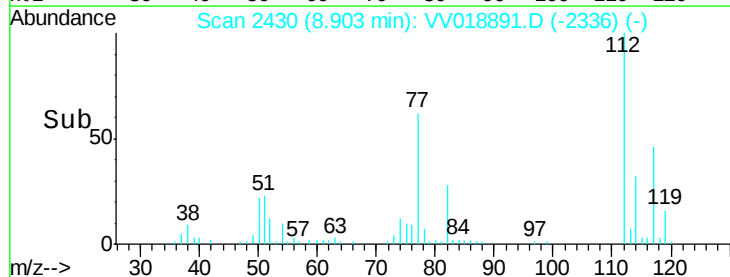
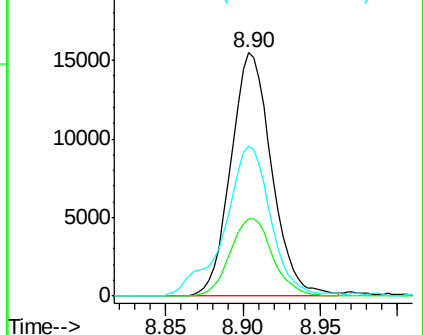


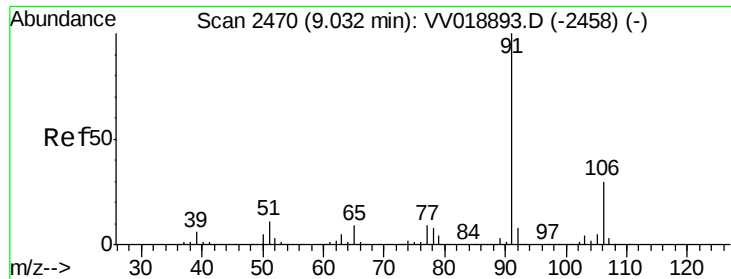
#51
Chlorobenzene
Concen: 5.122 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

Tgt Ion:112 Resp: 28396
Ion Ratio Lower Upper
112 100
114 31.7 21.8 40.6
77 61.7 49.2 73.8



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





#52

Ethylbenzene

Concen: 4.562 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

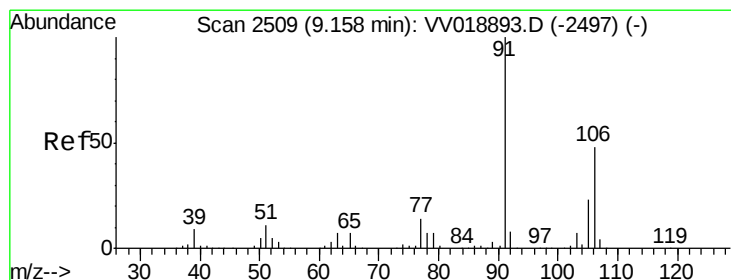
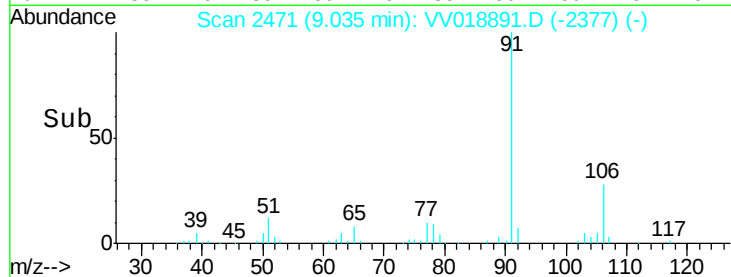
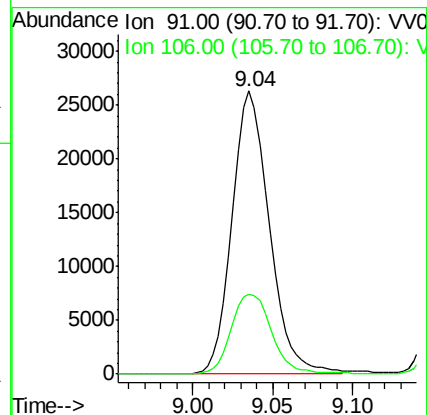
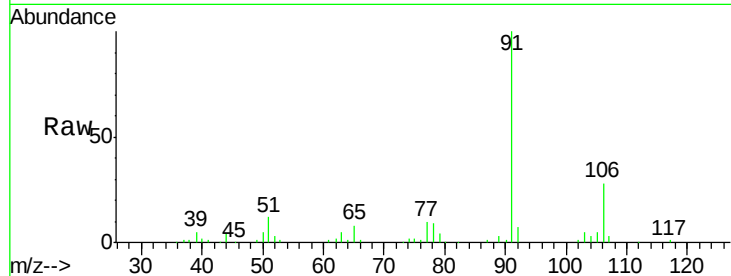
VSTD00501

Tgt Ion: 91 Resp: 42043

Ion Ratio Lower Upper

91 100

106 28.4 20.9 38.9



#53

m,p-Xylene

Concen: 4.426 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018891.D

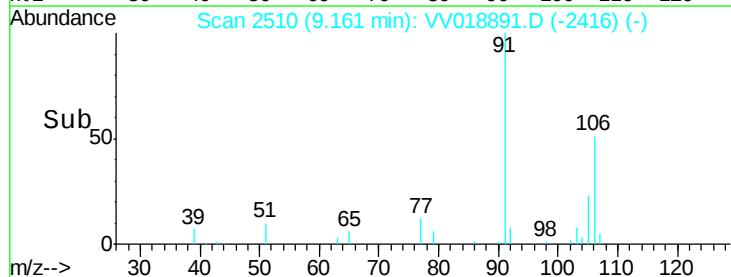
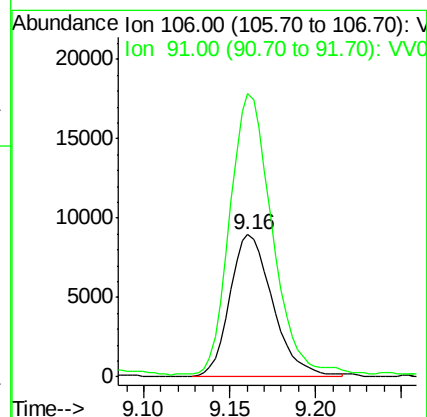
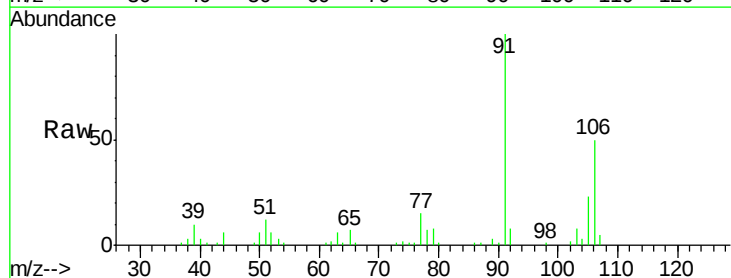
Acq: 14 Oct 2020 13:10

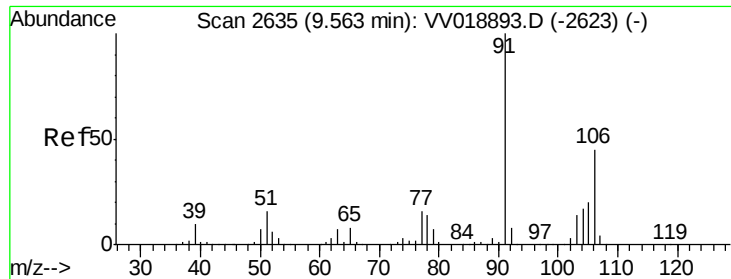
Tgt Ion: 106 Resp: 15626

Ion Ratio Lower Upper

106 100

91 199.4 145.9 270.9

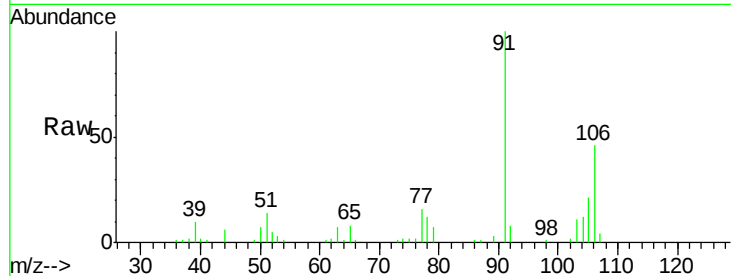




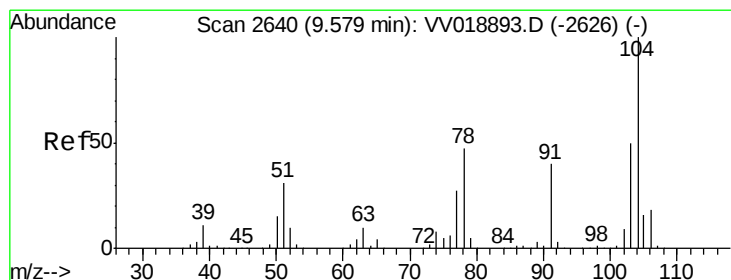
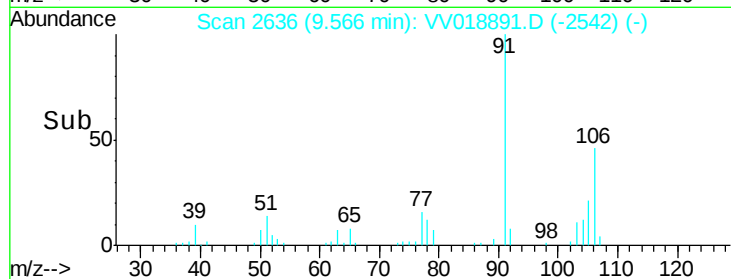
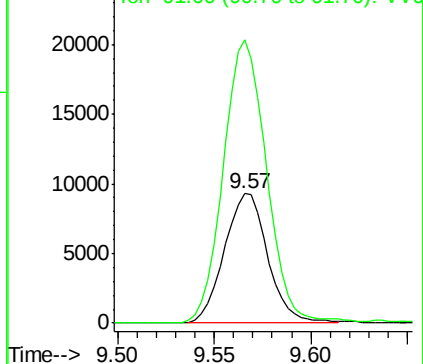
#54
o-xylene
Concen: 4.333 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

Instrument :
MSVOA_V
ClientSampled :
VSTD00501

Tgt Ion:106 Resp: 14512
Ion Ratio Lower Upper
106 100
91 219.2 155.8 289.4

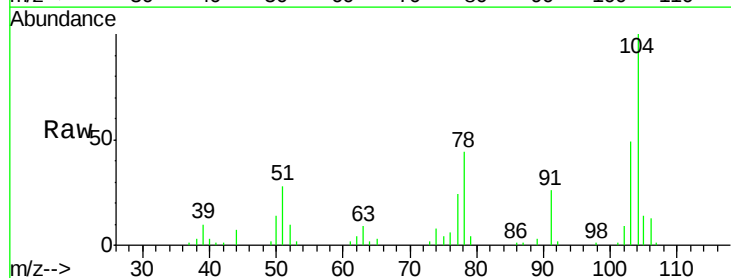


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

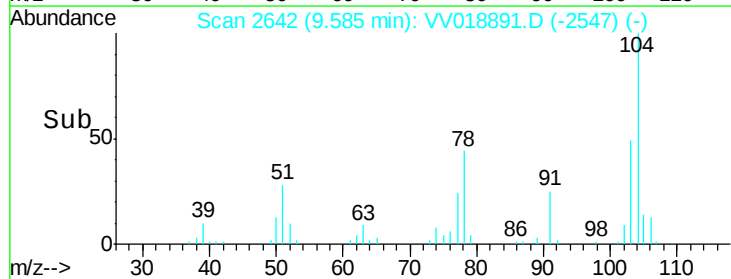
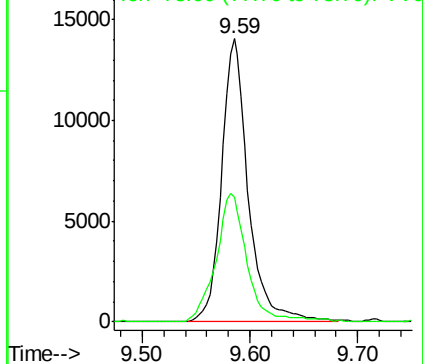


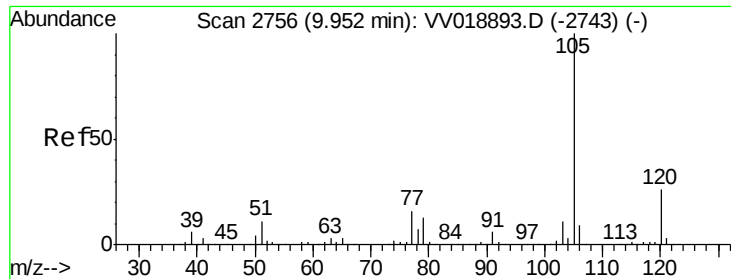
#55
Styrene
Concen: 4.133 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018891.D
Acq: 14 Oct 2020 13:10

Tgt Ion:104 Resp: 24156
Ion Ratio Lower Upper
104 100
78 44.0 33.2 61.6



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





#56

Isopropylbenzene

Concen: 4.219 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00501

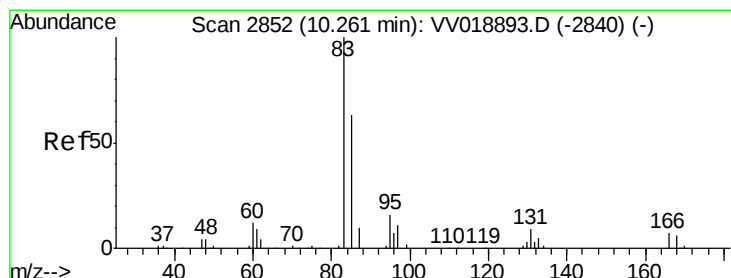
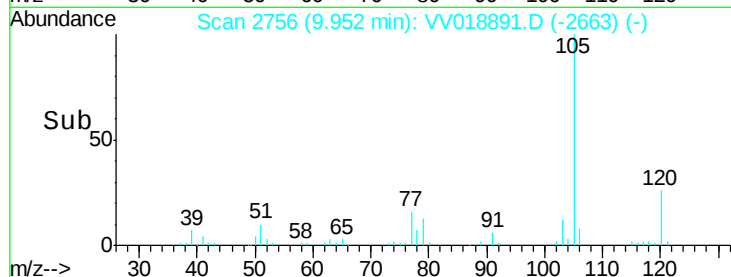
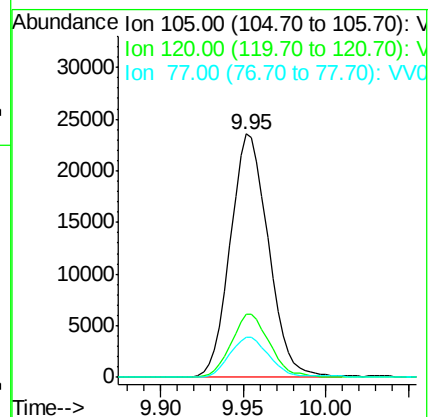
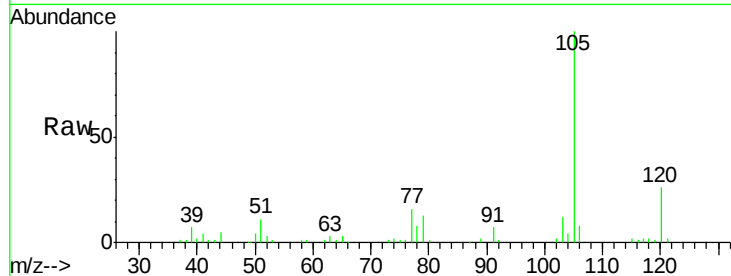
Tgt Ion:105 Resp: 37735

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

77 17.1 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 4.417 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

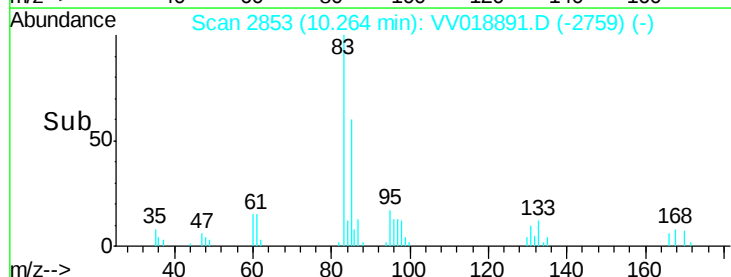
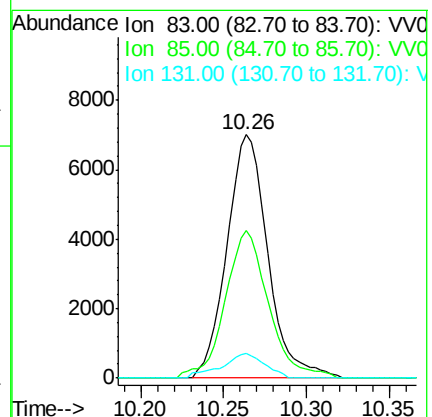
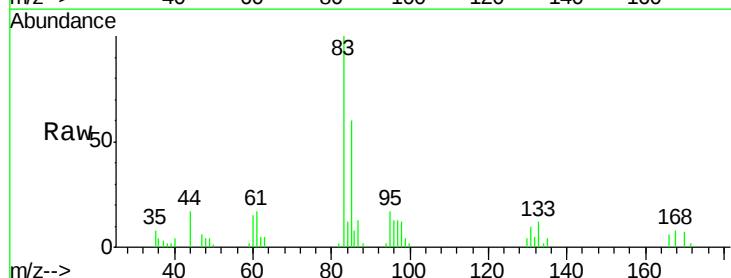
Tgt Ion: 83 Resp: 12045

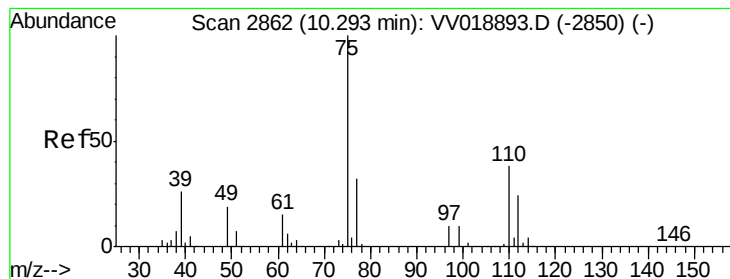
Ion Ratio Lower Upper

83 100

85 60.4 44.7 82.9

131 10.1 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 5.404 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

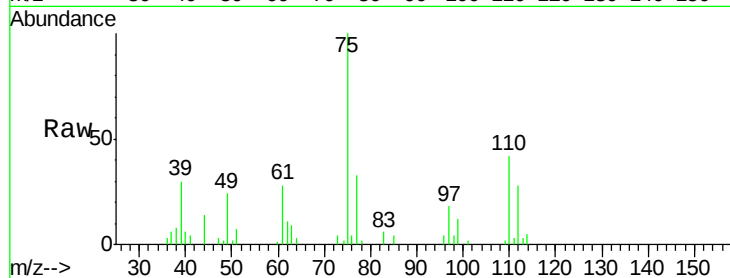
VSTD00501

Tgt Ion: 75 Resp: 13101

Ion Ratio Lower Upper

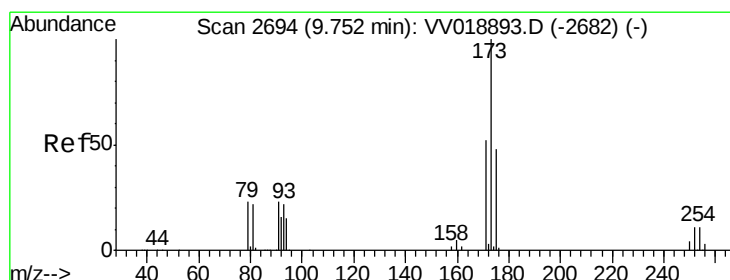
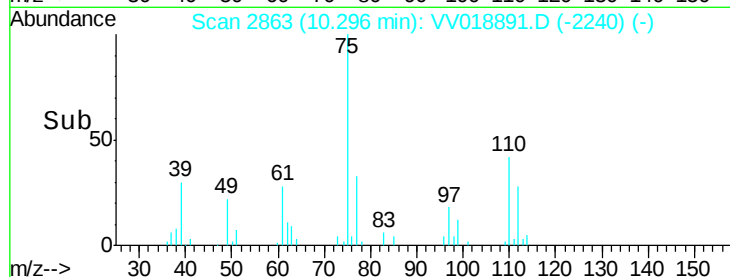
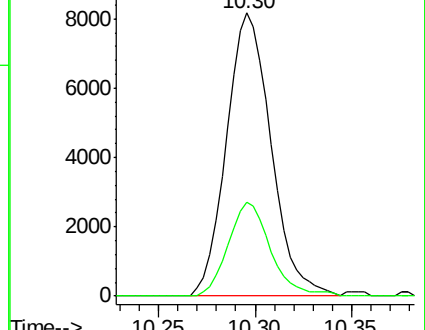
75 100

77 31.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV018891.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018891.D (-2850) (-)



#61

Bromoform

Concen: 4.505 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

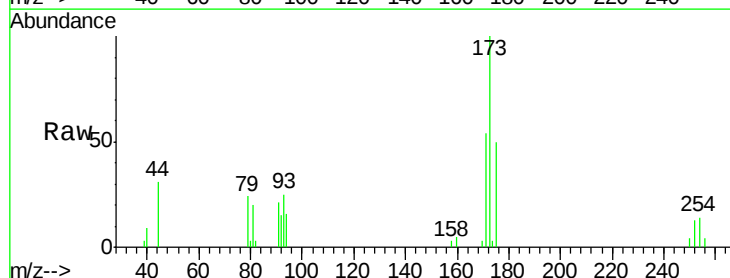
Tgt Ion: 173 Resp: 6692

Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.2

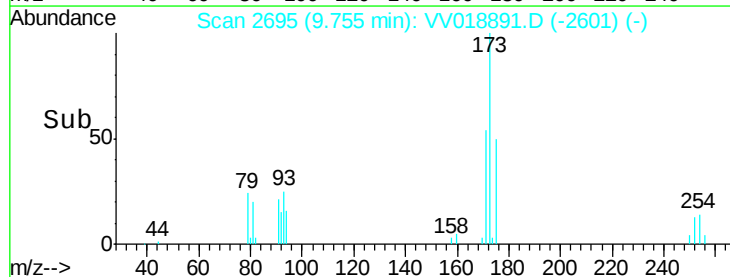
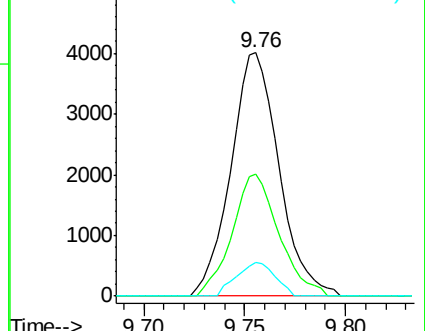
254 11.1 8.6 13.0

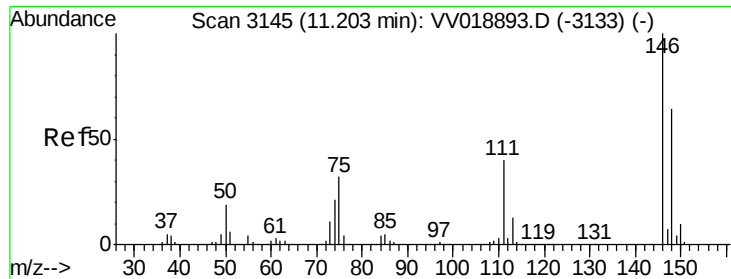


Abundance Ion 173.00 (172.70 to 173.70): VV018891.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018891.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018891.D (-2682) (-)

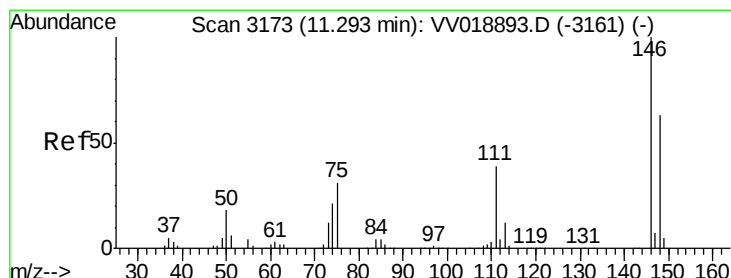
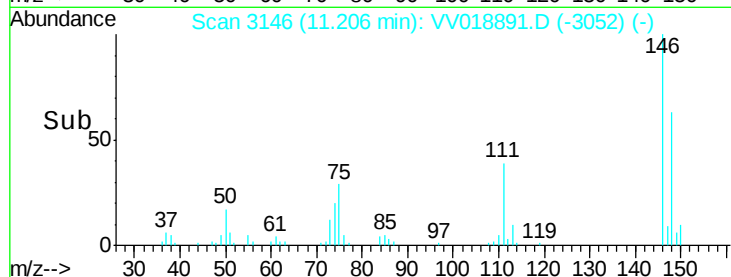
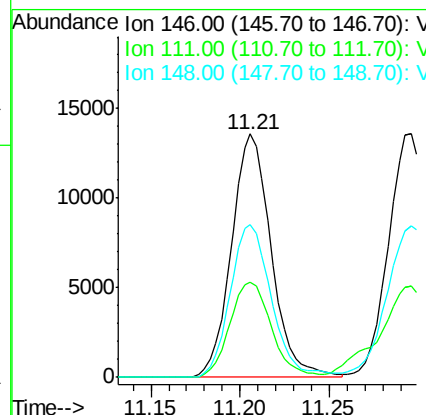
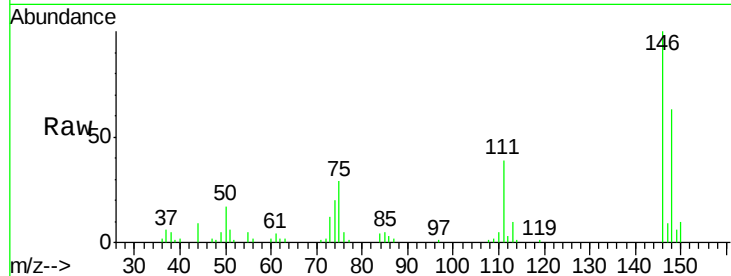




#62
 1,3-Dichlorobenzene
 Concen: 5.039 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

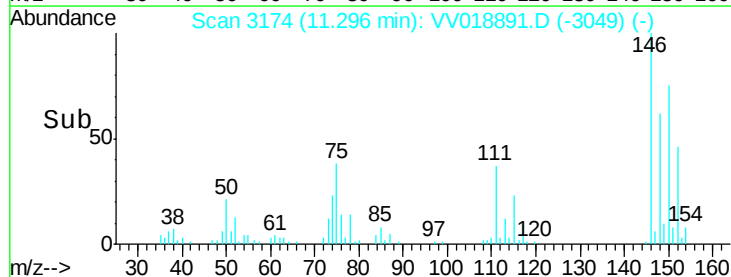
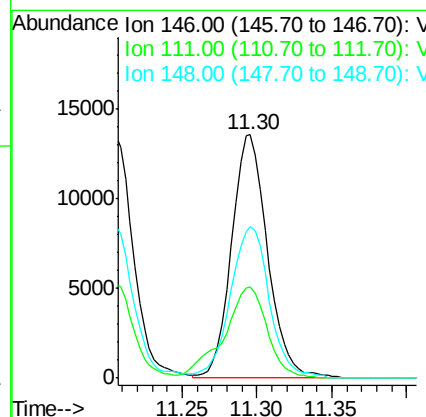
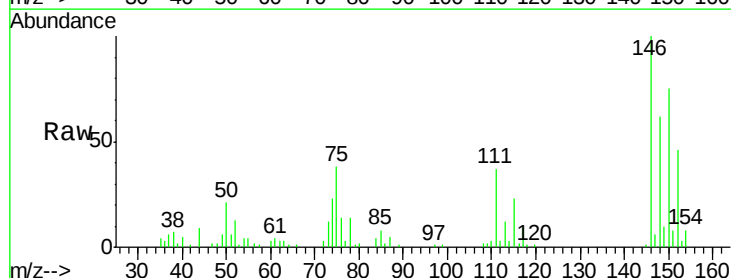
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

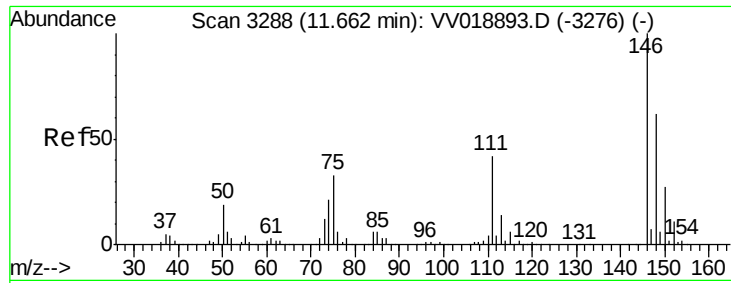
Tgt Ion:146 Resp: 21071
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.3 52.7
 148 63.0 45.1 83.7



#63
 1,4-Dichlorobenzene
 Concen: 5.270 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

Tgt Ion:146 Resp: 22792
 Ion Ratio Lower Upper
 146 100
 111 37.3 27.5 51.1
 148 62.3 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 5.018 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00501

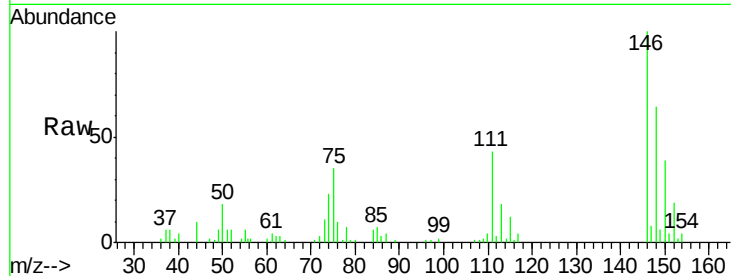
Tgt Ion: 146 Resp: 20909

Ion Ratio Lower Upper

146 100

111 42.7 33.9 50.9

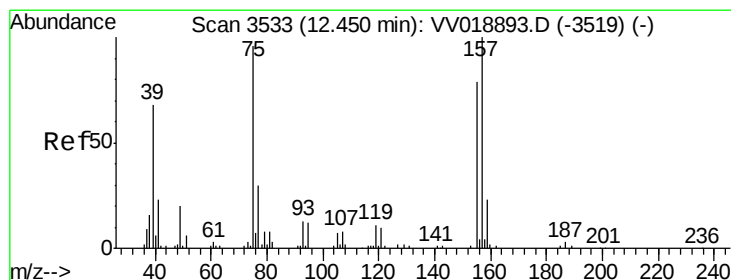
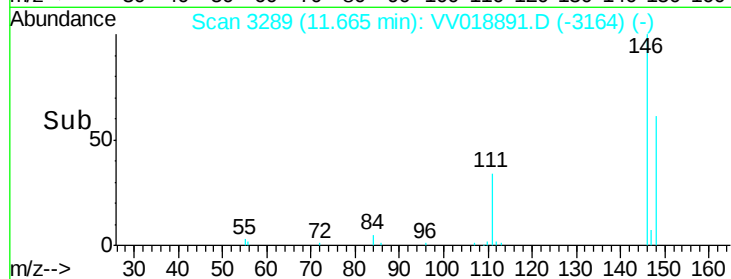
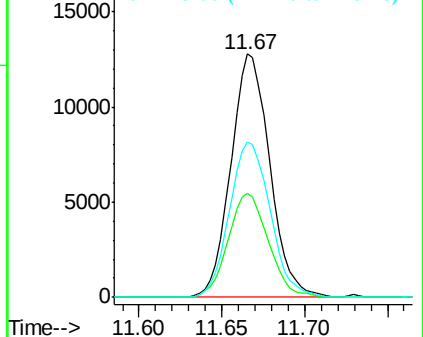
148 63.7 49.8 74.8



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: VV018891.D

Acq: 14 Oct 2020 13:10

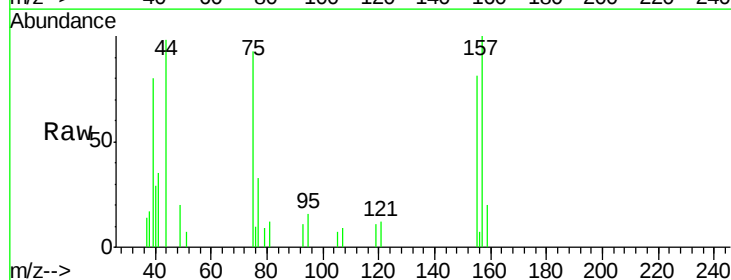
Tgt Ion: 75 Resp: 2865

Ion Ratio Lower Upper

75 100

155 87.3 65.7 98.5

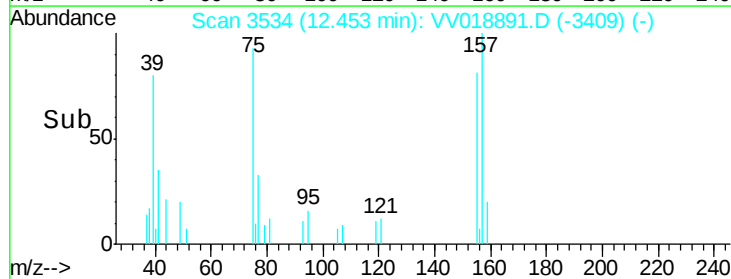
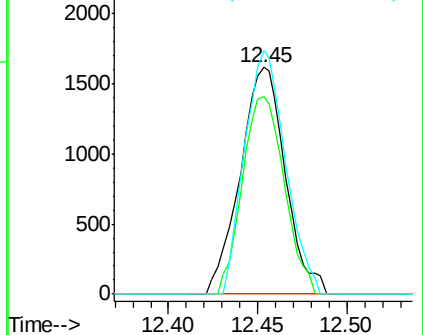
157 107.4 83.0 124.4

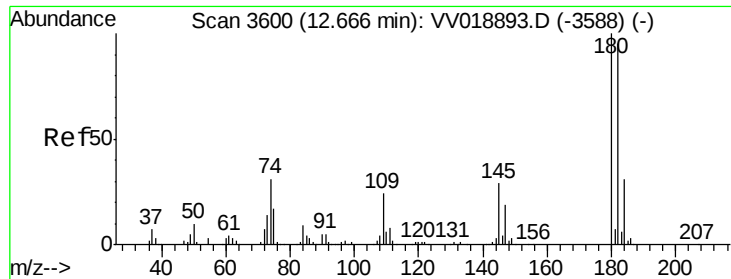


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

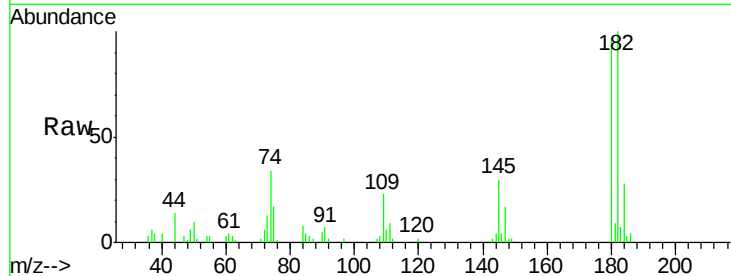




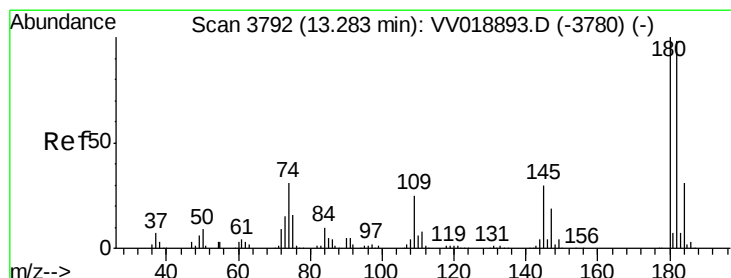
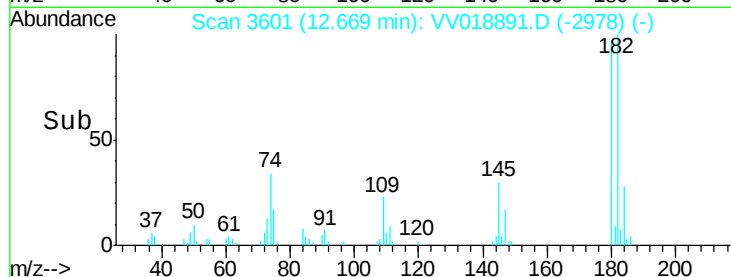
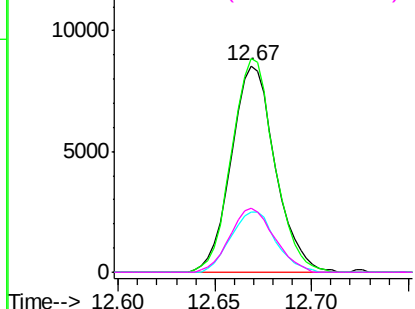
#67
 1,3,5-Trichlorobenzene
 Concen: 4.693 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00501

Tgt Ion:180 Resp: 13512
 Ion Ratio Lower Upper
 180 100
 182 100.3 75.8 113.8
 184 30.1 24.9 37.3
 145 31.4 23.2 34.8

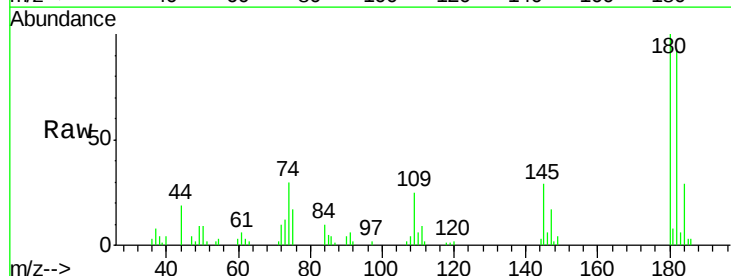


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

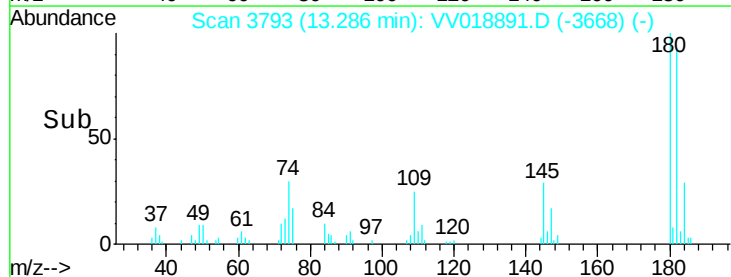
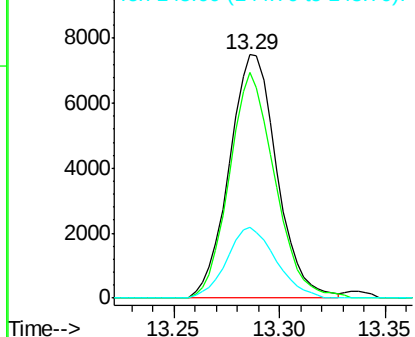


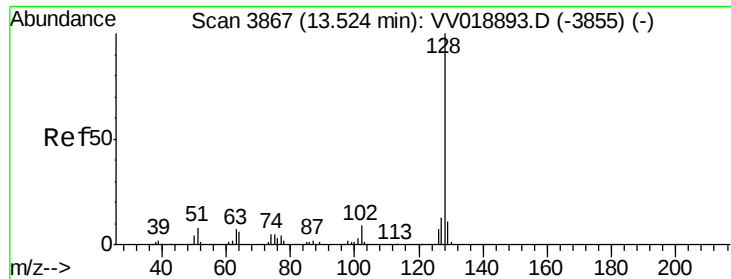
#68
 1,2,4-trichlorobenzene
 Concen: 4.394 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018891.D
 Acq: 14 Oct 2020 13:10

Tgt Ion:180 Resp: 11730
 Ion Ratio Lower Upper
 180 100
 182 88.5 76.5 114.7
 145 30.0 23.7 35.5



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





#69

Naphthalene

Concen: 3.590 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00501

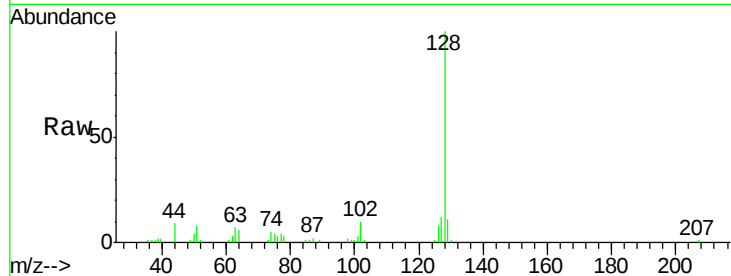
Tgt Ion:128 Resp: 27463

Ion Ratio Lower Upper

128 100

127 12.1 10.7 16.1

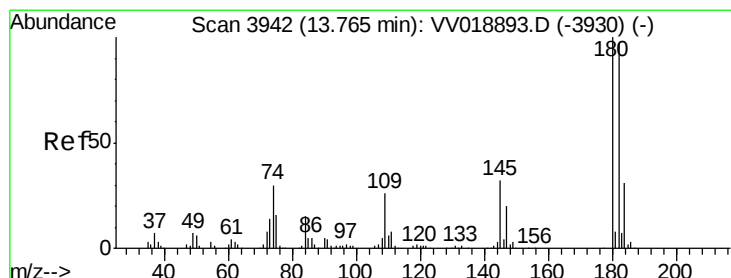
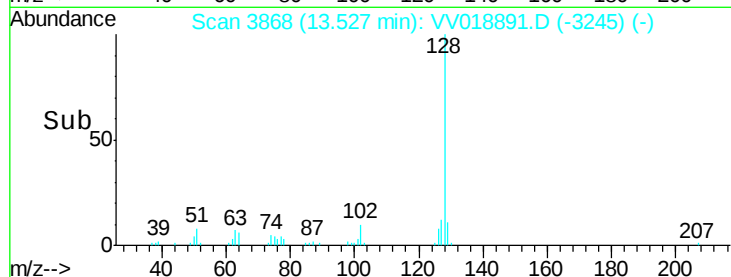
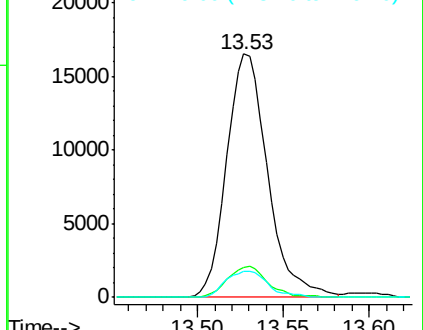
129 11.1 8.9 13.3



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: 4.322 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018891.D

Acq: 14 Oct 2020 13:10

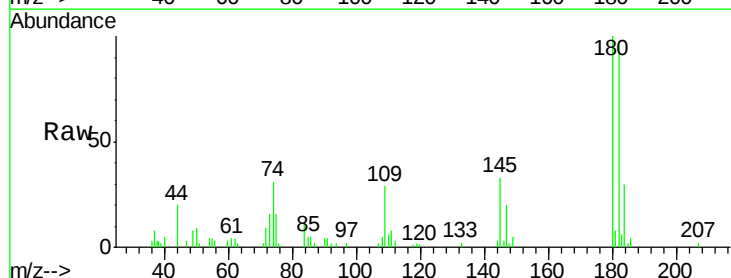
Tgt Ion:180 Resp: 11641

Ion Ratio Lower Upper

180 100

182 95.5 76.8 115.2

145 33.1 25.4 38.0



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

