

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
 Data File : VV015893.D
 Acq On : 05 May 2020 10:52
 Operator : SY/MD
 Sample : VSTD0.536
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Quant Time: May 05 17:45:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 17:39:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	163237	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155735	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	77551	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	5216	0.59	ug/L	0.00
7) Chloroethane-d5	1.57	69	4987	0.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	10491	0.55	ug/L	0.00
20) 2-Butanone-d5	3.98	46	4371	1.61	ug/L	0.03
24) Chloroform-d	4.38	84	9596	0.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	5727	0.51	ug/L	0.00
32) Benzene-d6	5.08	84	18880	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	5874	0.50	ug/L	0.00
41) Toluene-d8	7.34	98	17035	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	1991	0.43	ug/L	0.00
46) 2-Hexanone-d5	8.12	63	8628	3.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	4089	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	6616	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6681	0.485 ug/L	100
3) Chloromethane	1.24	50	6866	0.561 ug/L	99
5) Vinyl chloride	1.32	62	6385	0.497 ug/L	95
6) Bromomethane	1.53	94	3579	0.614 ug/L	99
8) Chloroethane	1.59	64	4268	0.522 ug/L	97
9) Trichlorofluoromethane	1.76	101	8615	0.480 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4958	0.492 ug/L	99
12) 1,1-Dichloroethene	2.13	96	5050	0.539 ug/L	81
13) Acetone	2.25	43	3860	2.083 ug/L	93
14) Carbon disulfide	2.30	76	14540	0.527 ug/L	97
15) Methyl Acetate	2.47	43	1563	0.357 ug/L #	73
16) Methylene chloride	2.52	84	9901	0.847 ug/L	96
17) Methyl tert-butyl Ether	2.79	73	12309	0.470 ug/L	95
18) trans-1,2-Dichloroethene	2.78	96	5103	0.482 ug/L	97
19) 1,1-Dichloroethane	3.21	63	10002	0.486 ug/L	97
21) 2-Butanone	4.05	43	2878	1.003 ug/L #	1
22) cis-1,2-Dichloroethene	3.94	96	5492	0.476 ug/L	98
23) Bromochloromethane	4.28	128	2210	0.465 ug/L	91
25) Chloroform	4.41	83	11115	0.504 ug/L	96
27) 1,2-Dichloroethane	5.16	62	6439	0.450 ug/L #	95
29) 1,1,1-Trichloroethane	4.63	97	8847	0.459 ug/L	96
30) Cyclohexane	4.70	56	8977	0.481 ug/L	95
31) Carbon tetrachloride	4.85	117	7743	0.482 ug/L	98
33) Benzene	5.13	78	19490	0.446 ug/L	100
34) Trichloroethene	5.94	95	5559	0.460 ug/L	97
35) Methylcyclohexane	6.15	83	9018	0.483 ug/L	98
37) 1,2-Dichloropropane	6.20	63	5252	0.473 ug/L #	95
38) Bromodichloromethane	6.53	83	6193	0.440 ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	6163	0.397 ug/L	96
40) 4-Methyl-2-pentanone	7.26	43	29523	4.098 ug/L	99

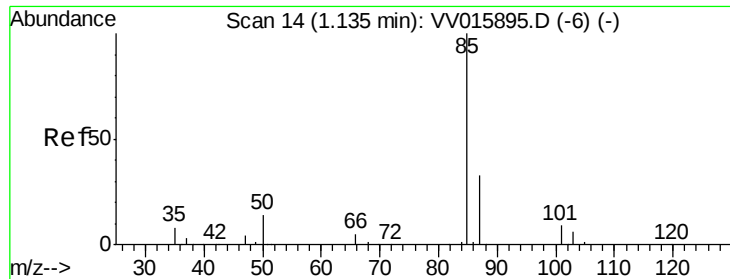
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050520\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	20893	0.448	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	5456	0.420	ug/L	94
45) 1,1,2-Trichloroethane	7.87	97	3477	0.462	ug/L	97
47) Tetrachloroethene	8.00	164	4257	0.490	ug/L	91
48) 2-Hexanone	8.17	43	19431	3.800	ug/L	97
49) Dibromochloromethane	8.27	129	3387	0.429	ug/L	92
50) 1,2-Dibromoethane	8.38	107	3166	0.455	ug/L #	79
51) Chlorobenzene	8.90	112	13685	0.448	ug/L	89
52) Ethylbenzene	9.04	91	23357	0.433	ug/L	99
53) m,p-xylene	9.16	106	8682	0.438	ug/L	96
54) o-xylene	9.57	106	8346	0.437	ug/L	95
55) Styrene	9.59	104	13076	0.405	ug/L	96
56) Isopropylbenzene	9.95	105	22445	0.420	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	3771	0.429	ug/L #	91
59) 1,2,3-Trichloropropane	10.30	75	3081	0.438	ug/L	94
61) Bromoform	9.76	173	1335	0.409	ug/L #	85
62) 1,3-Dichlorobenzene	11.21	146	10953	0.456	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	10964	0.453	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	10097	0.465	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	768	0.543	ug/L #	60
67) 1,3,5-Trichlorobenzene	12.67	180	8115	0.455	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	6671	0.414	ug/L	97
69) Naphthalene	13.53	128	9860	0.341	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	5772	0.403	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.485 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

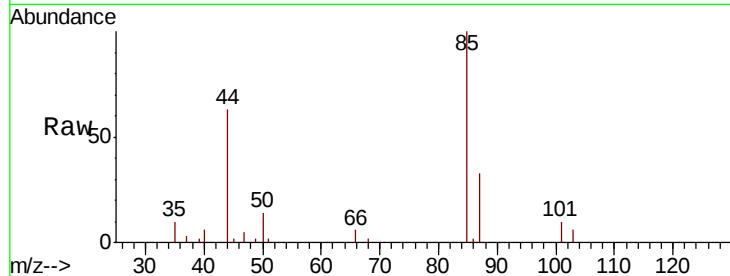
VSTD0.536

Tot Ion: 85 Resp: 6681

Ion Ratio Lower Upper

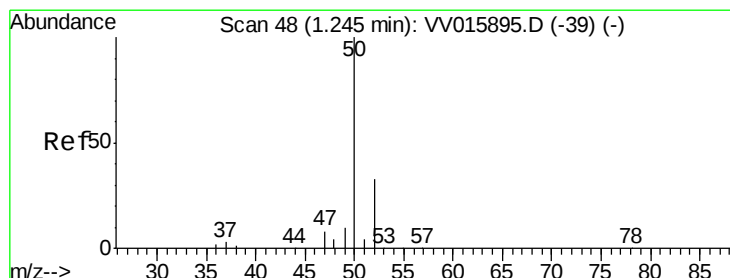
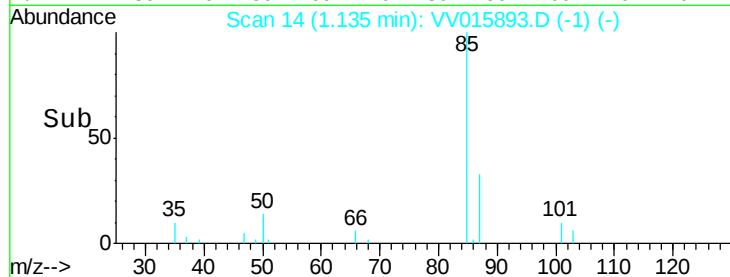
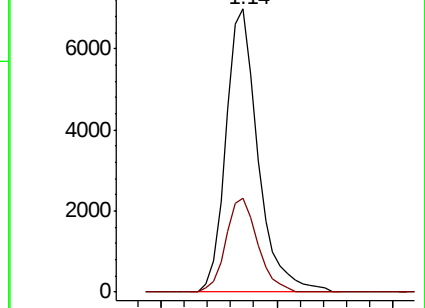
85 100

87 32.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV015893.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015893.D (-6) (-)



#3

Chloromethane

Concen: 0.561 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015893.D

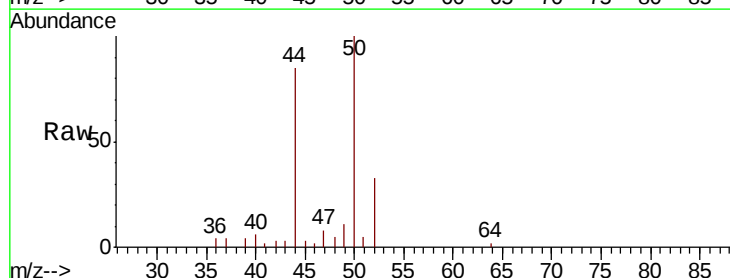
Acq: 05 May 2020 10:52

Tgt Ion: 50 Resp: 6866

Ion Ratio Lower Upper

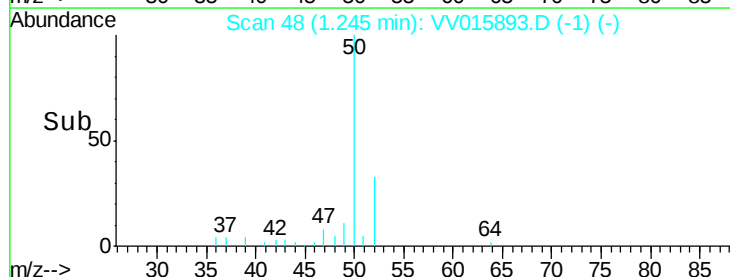
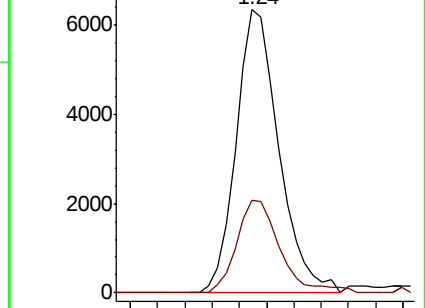
50 100

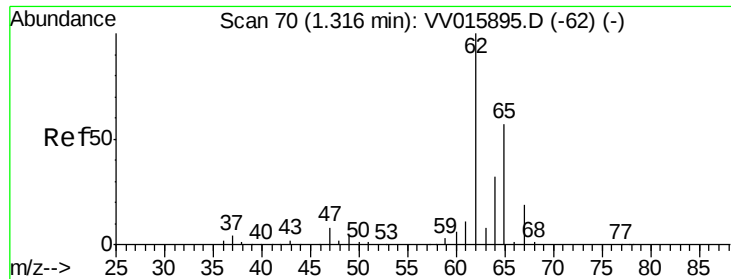
52 32.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015893.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV015893.D (-39) (-)





#5

Vinyl chloride

Concen: 0.497 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

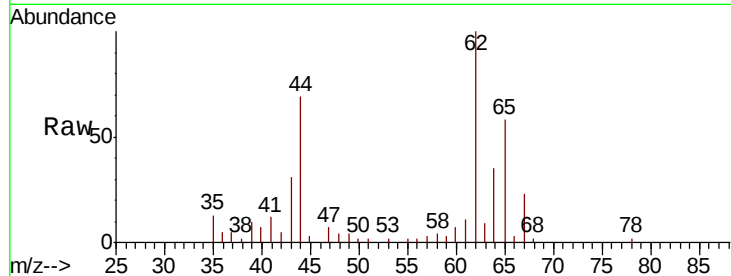
VSTD0.536

Tot Ion: 62 Resp: 6385

Ion Ratio Lower Upper

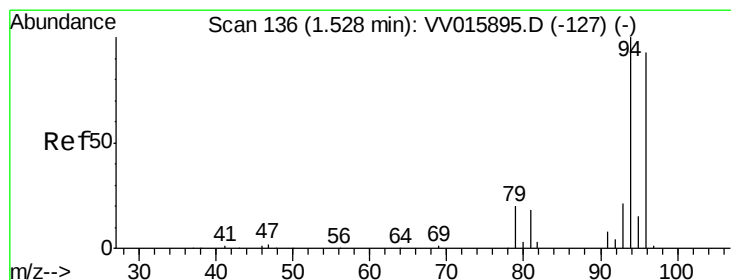
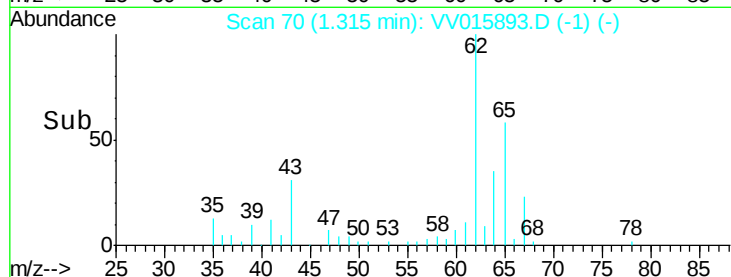
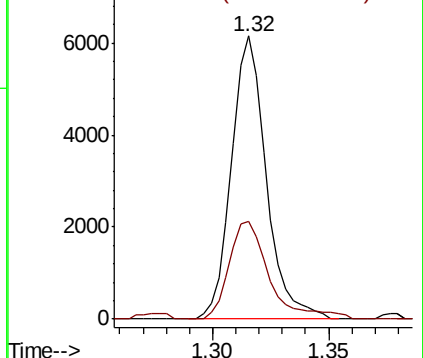
62 100

64 34.6 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.614 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015893.D

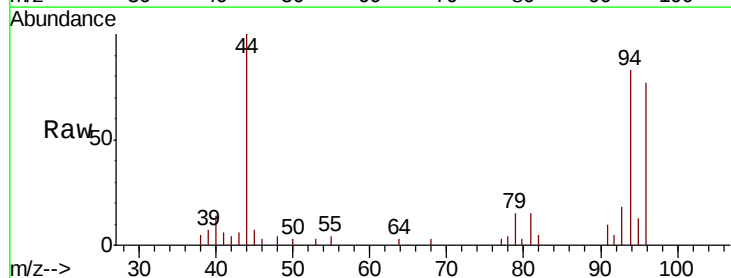
Acq: 05 May 2020 10:52

Tgt Ion: 94 Resp: 3579

Ion Ratio Lower Upper

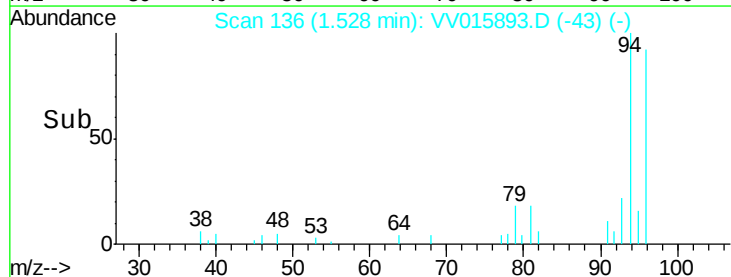
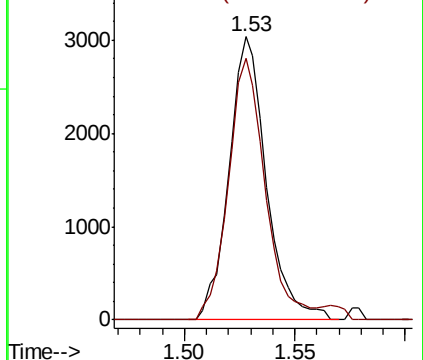
94 100

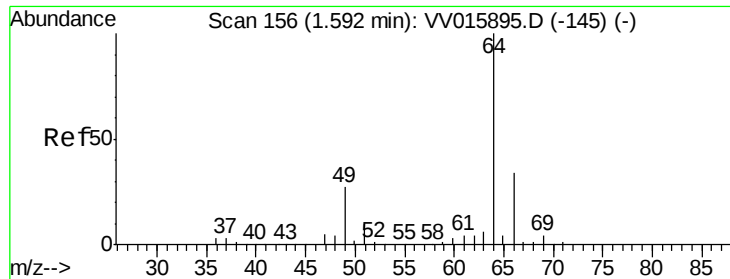
96 92.3 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.522 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

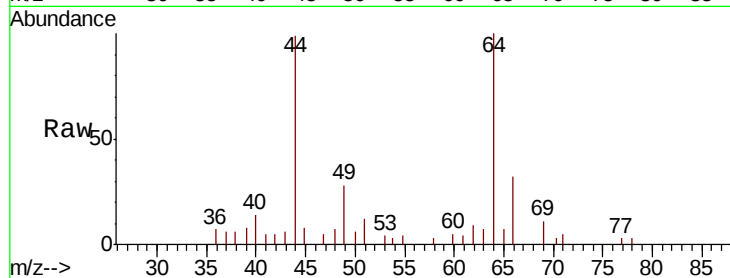
VSTD0.536

Tot Ion: 64 Resp: 4268

Ion Ratio Lower Upper

64 100

66 32.1 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV015893.D (-63) (-)

Ion 66.05 (65.75 to 66.75): VV015893.D (-63) (-)

1.59

4000

3000

2000

1000

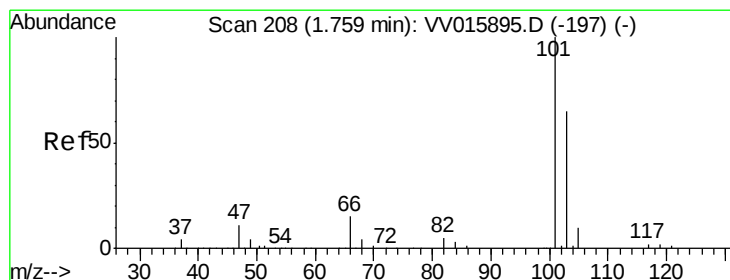
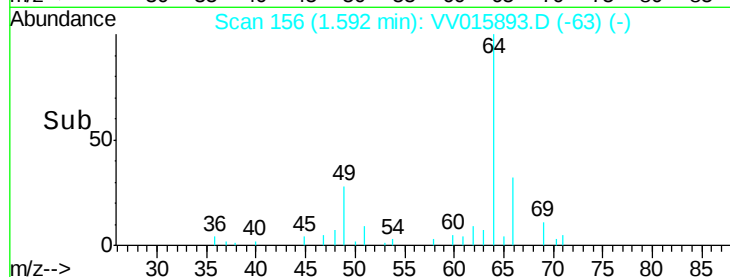
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 0.480 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015893.D

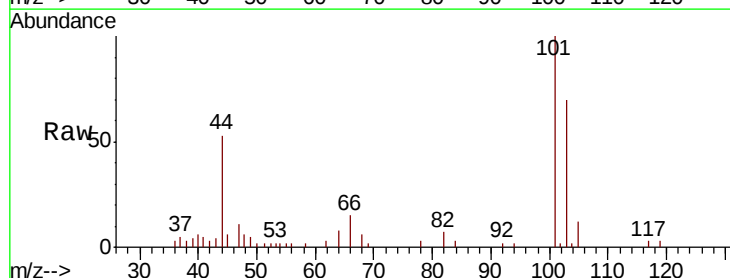
Acq: 05 May 2020 10:52

Tgt Ion:101 Resp: 8615

Ion Ratio Lower Upper

101 100

103 68.1 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV015893.D (-115) (-)

Ion 103.00 (102.70 to 103.70): VV015893.D (-115) (-)

1.76

6000

4000

2000

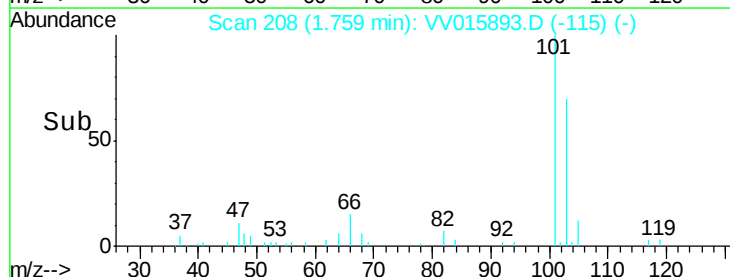
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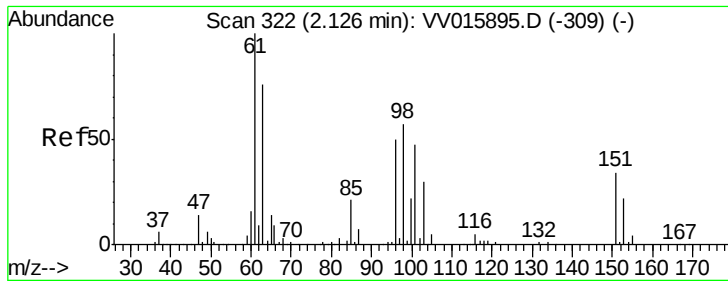
1.70

1.75

1.80

Time-->





#10

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

Concen: 0.492 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

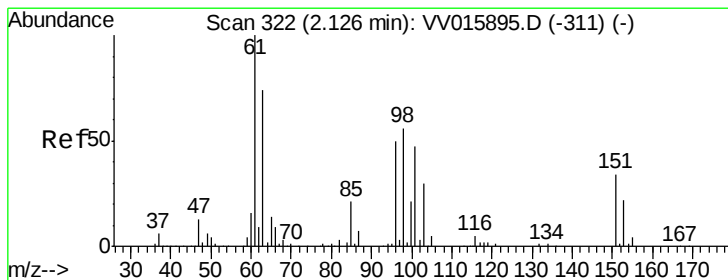
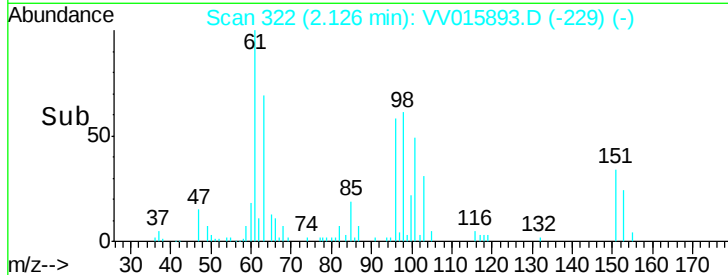
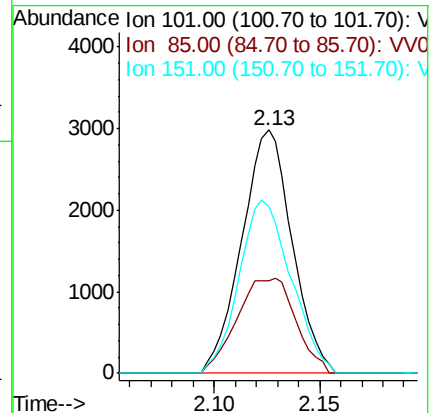
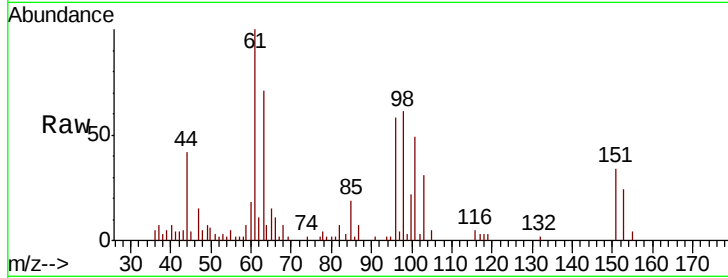
Tot Ion:101 Resp: 4958

Ion Ratio Lower Upper

101 100

85 45.3 35.7 53.5

151 73.4 58.0 87.0



#12

1,1-Dichloroethene

Concen: 0.539 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

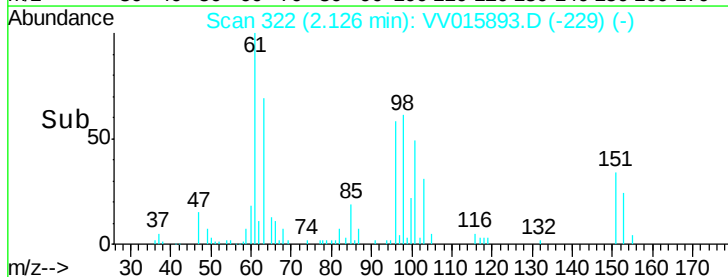
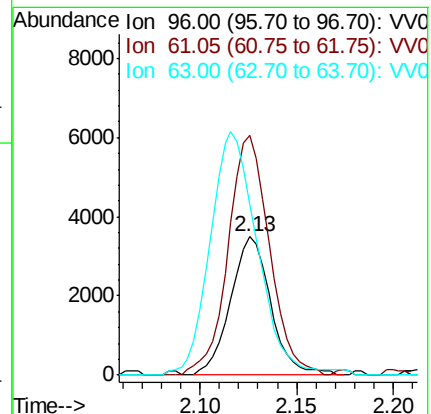
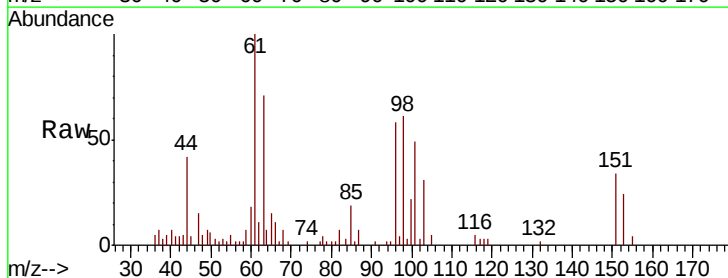
Tgt Ion: 96 Resp: 5050

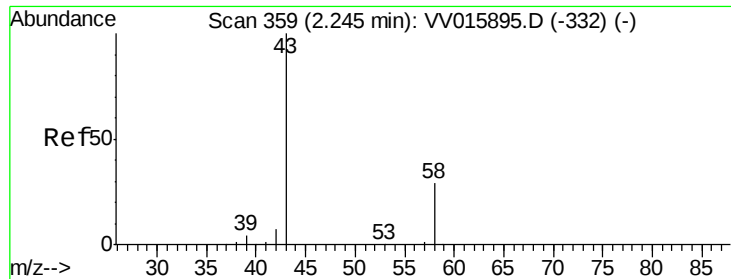
Ion Ratio Lower Upper

96 100

61 173.6 139.9 259.7

63 123.8 106.4 197.6





#13

Acetone

Concen: 2.083 ug/L

RT: 2.25 min Scan# 362

Delta R.T. 0.01 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

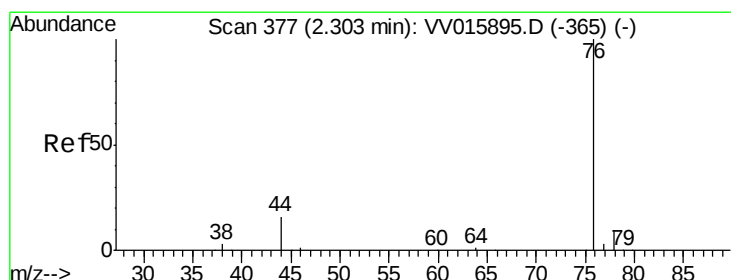
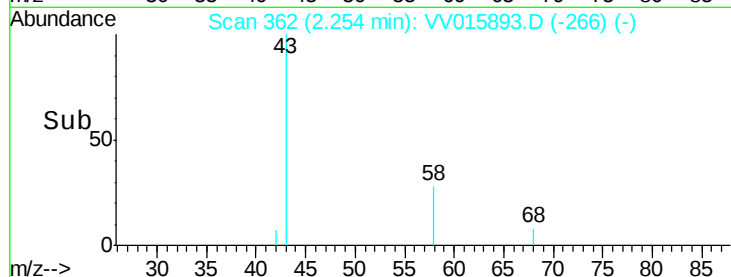
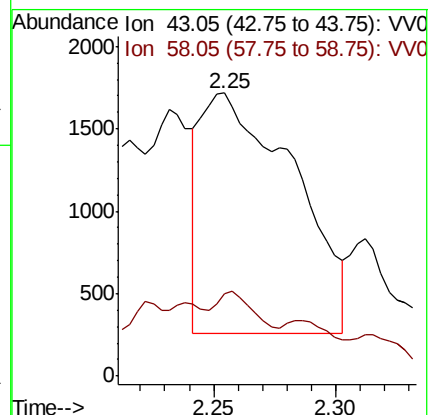
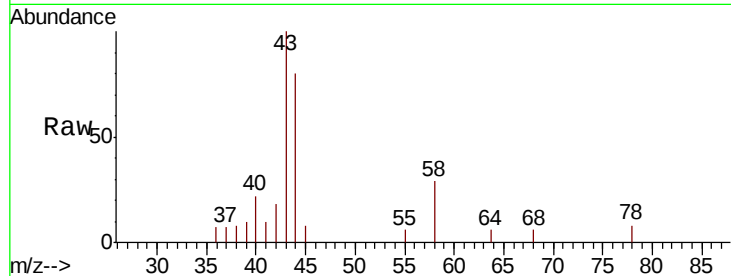
VSTD0.536

Tot Ion: 43 Resp: 3860

Ion Ratio Lower Upper

43 100

58 18.3 0.0 30.8



#14

Carbon disulfide

Concen: 0.527 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015893.D

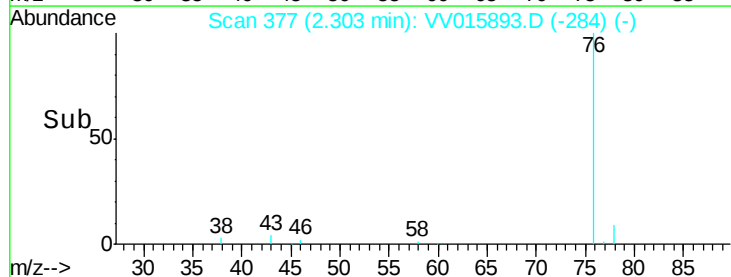
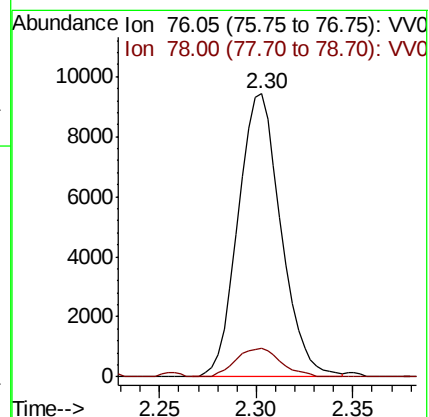
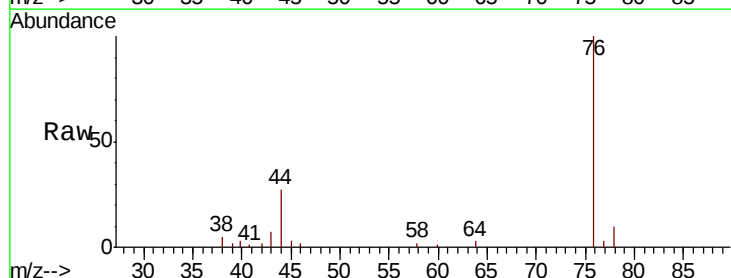
Acq: 05 May 2020 10:52

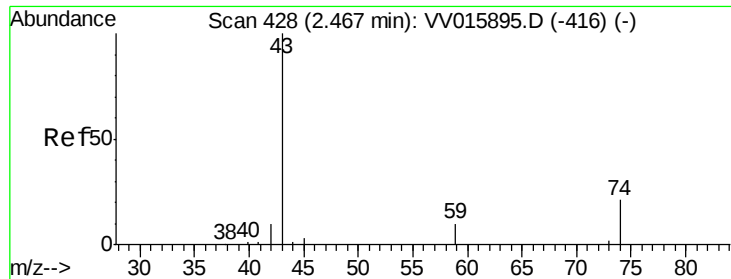
Tgt Ion: 76 Resp: 14540

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6

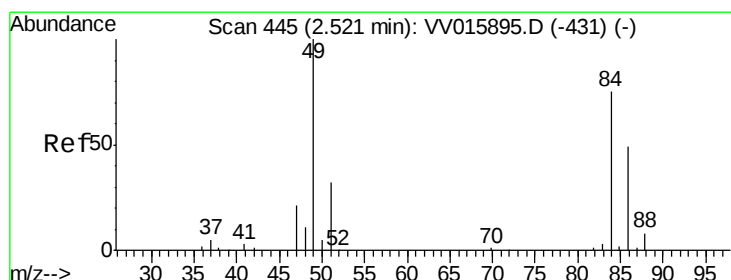
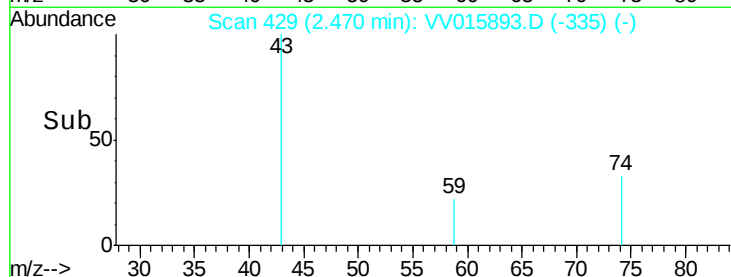
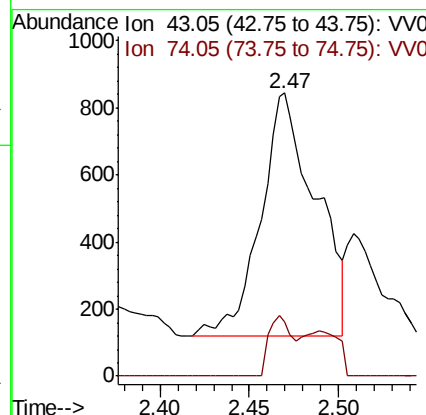
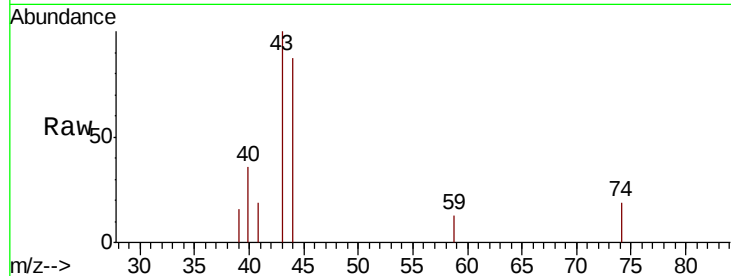




#15
Methvl Acetate
Concen: 0.357 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV015893.D
Acq: 05 May 2020 10:52

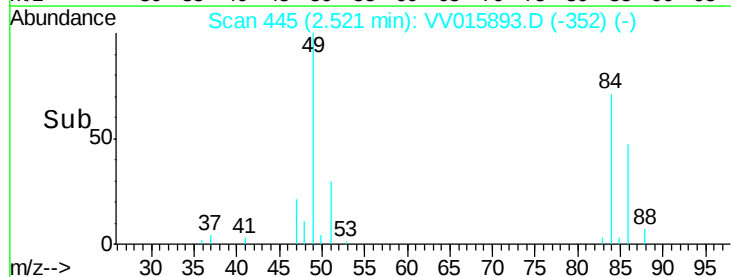
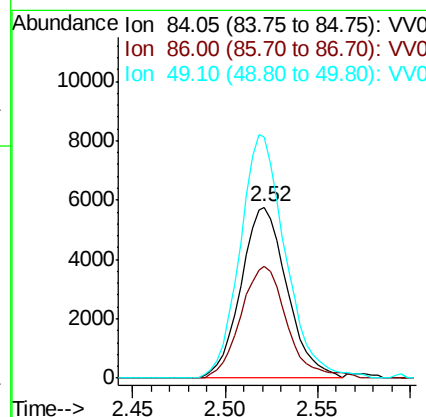
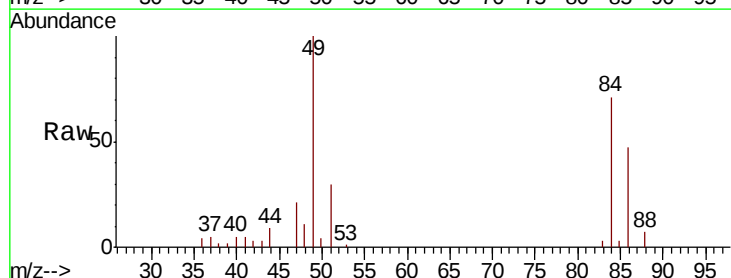
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

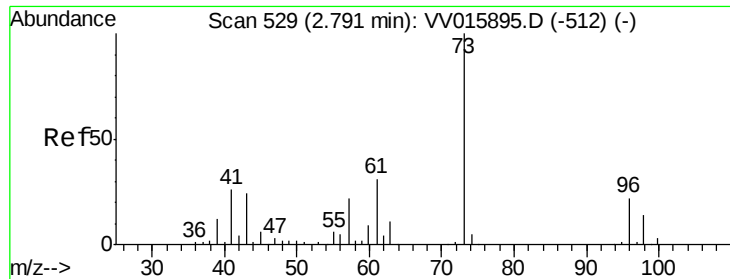
Tot Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
74 10.6 19.2 28.8#



#16
Methylene chloride
Concen: 0.847 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015893.D
Acq: 05 May 2020 10:52

Tgt Ion: 84 Resp: 9901
Ion Ratio Lower Upper
84 100
86 65.7 45.6 84.8
49 141.0 93.6 173.8

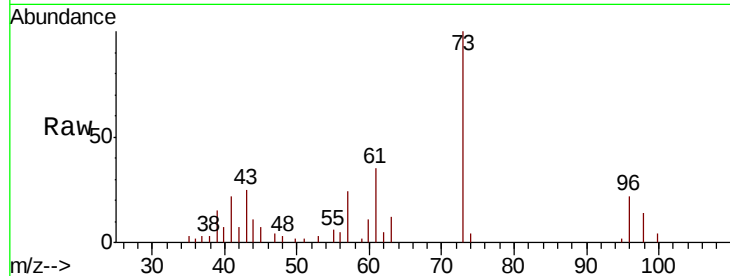




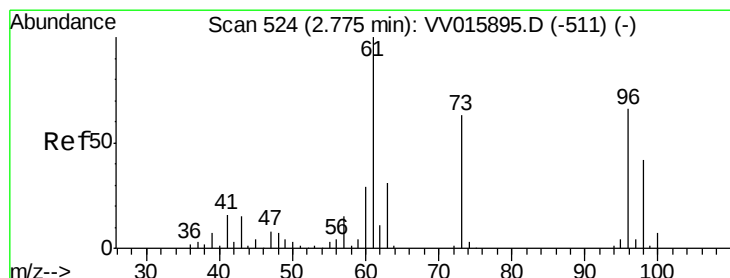
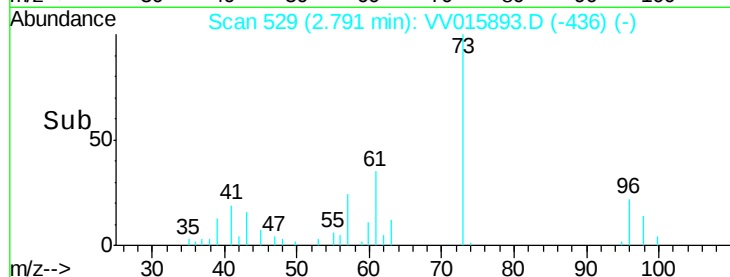
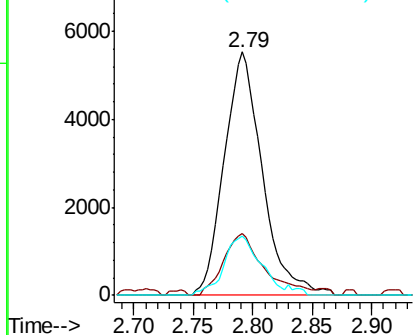
#17
Methvl tert-butvl Ether
Concen: 0.470 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV015893.D
Acq: 05 May 2020 10:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tot Ion: 73 Resp: 12309
Ion Ratio Lower Upper
73 100
43 26.9 18.8 28.2
57 23.3 17.8 26.6

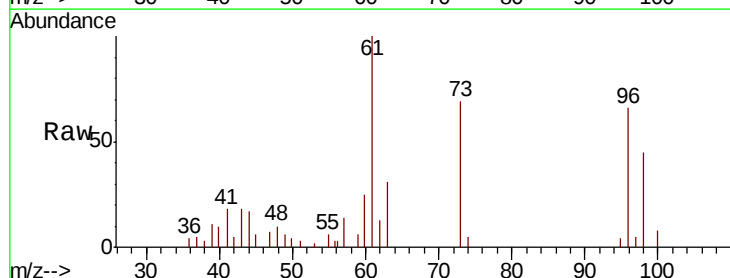


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

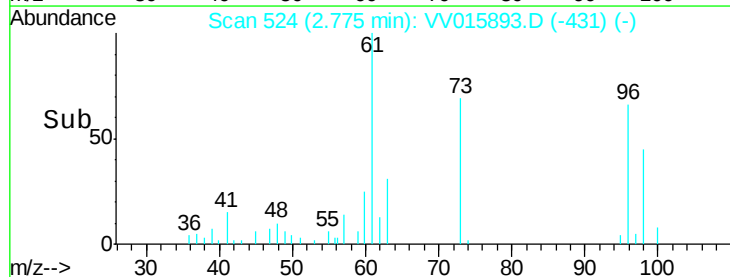
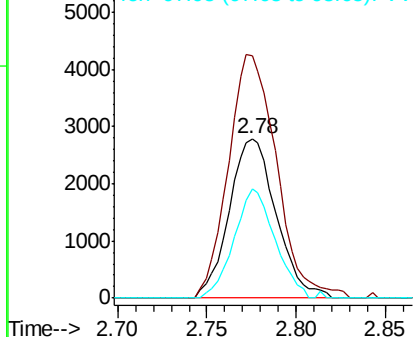


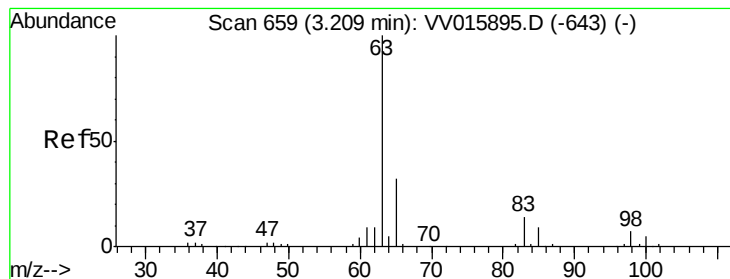
#18
trans-1,2-Dichloroethene
Concen: 0.482 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015893.D
Acq: 05 May 2020 10:52

Tgt Ion: 96 Resp: 5103
Ion Ratio Lower Upper
96 100
61 151.8 105.3 195.5
98 68.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.486 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

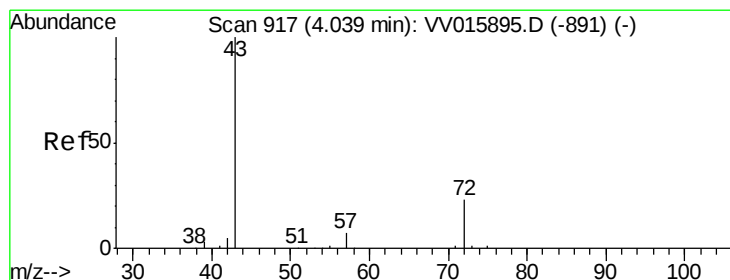
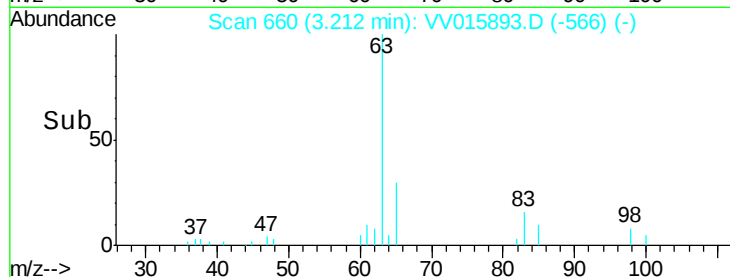
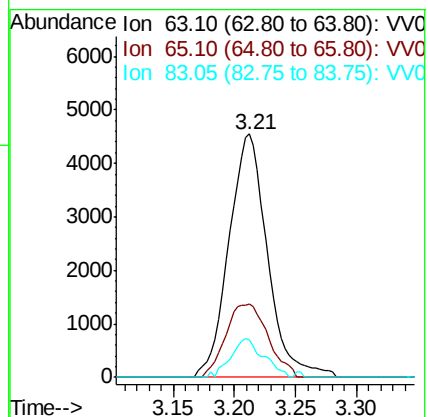
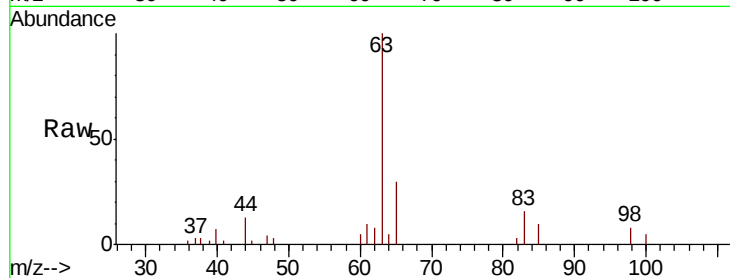
Tot Ion: 63 Resp: 10002

Ion Ratio Lower Upper

63 100

65 30.3 22.0 41.0

83 15.7 9.8 18.2



#21

2-Butanone

Concen: 1.003 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.01 min

Lab File: VV015893.D

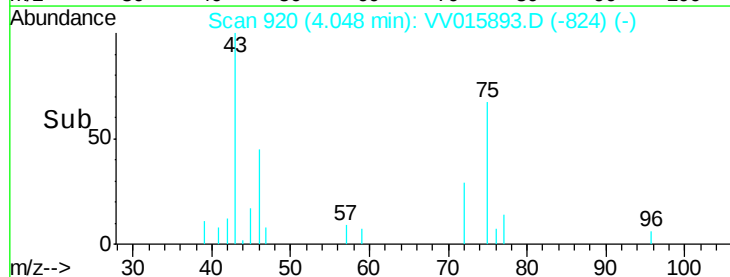
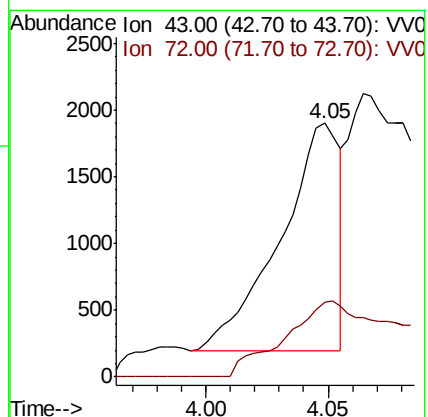
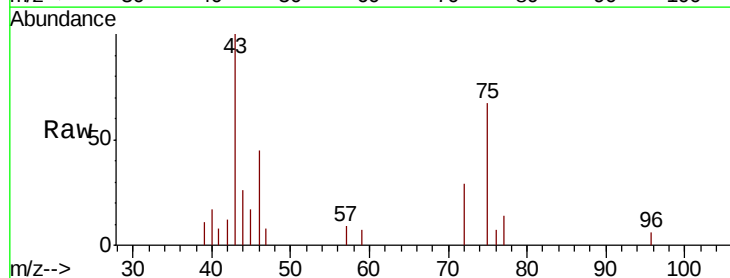
Acq: 05 May 2020 10:52

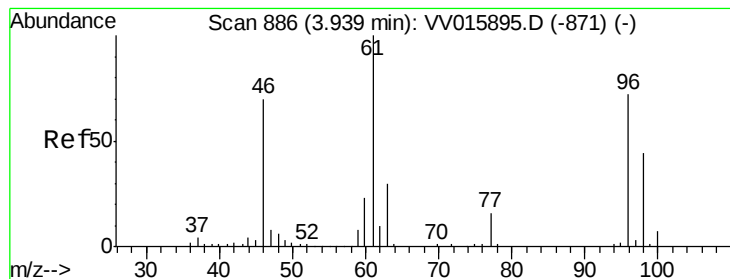
Tgt Ion: 43 Resp: 2878

Ion Ratio Lower Upper

43 100

72 70.7 10.5 31.5#



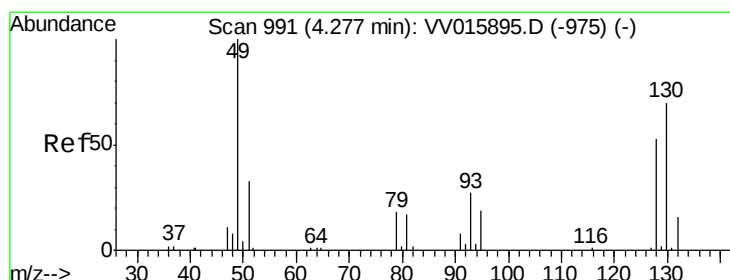
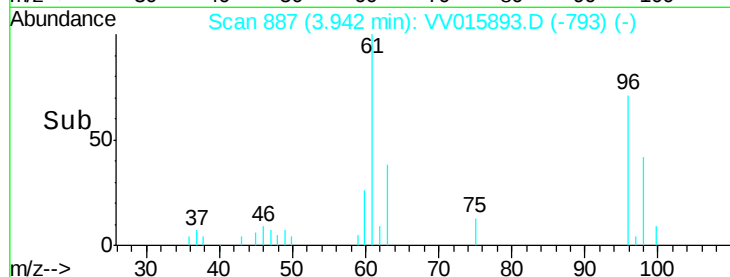
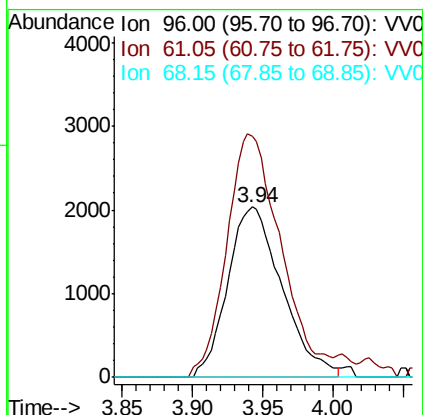
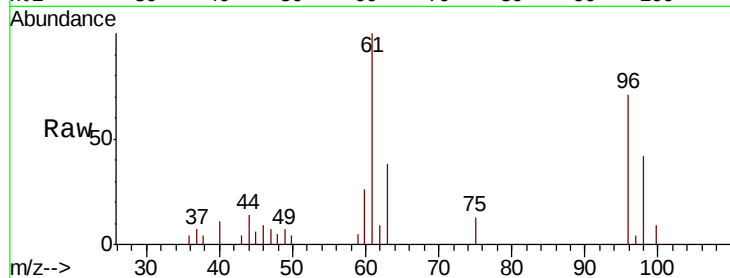


#22

cis-1,2-Dichloroethene
 Concen: 0.476 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

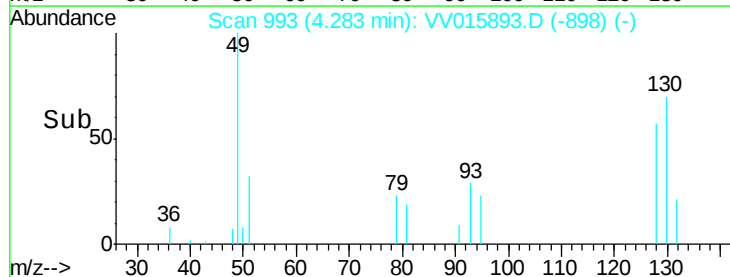
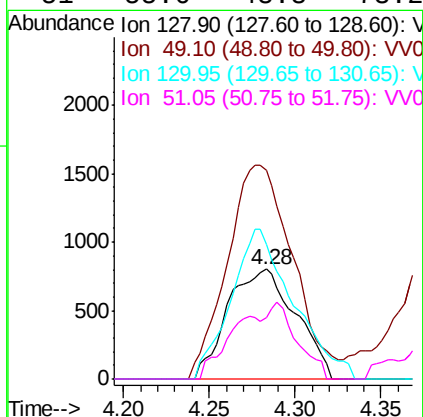
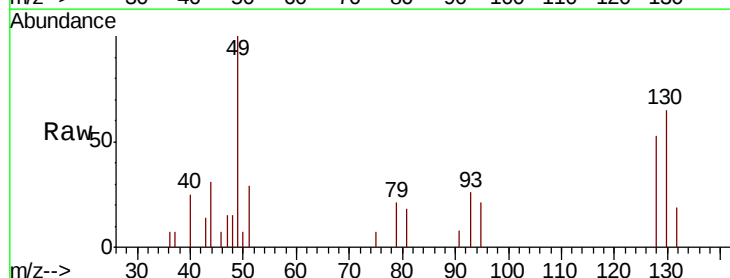
Tot Ion: 96 Resp: 5492
 Ion Ratio Lower Upper
 96 100
 61 141.8 97.2 180.6
 68 0.0 0.0 0.0

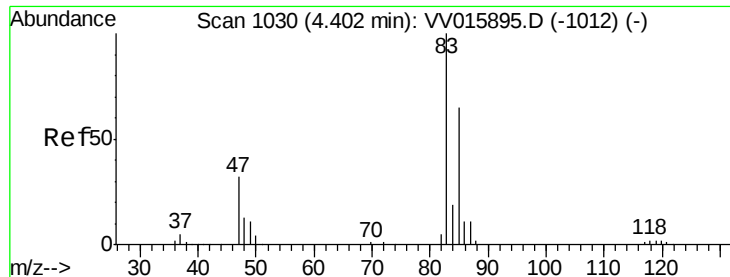


#23

Bromochloromethane
 Concen: 0.465 ug/L
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

Tgt Ion: 128 Resp: 2210
 Ion Ratio Lower Upper
 128 100
 49 203.5 131.3 243.8
 130 122.4 91.8 170.4
 51 55.6 48.8 73.2

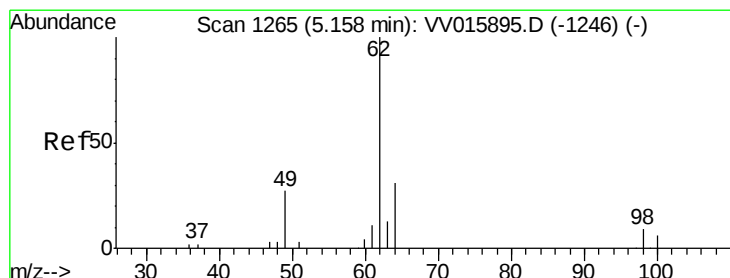
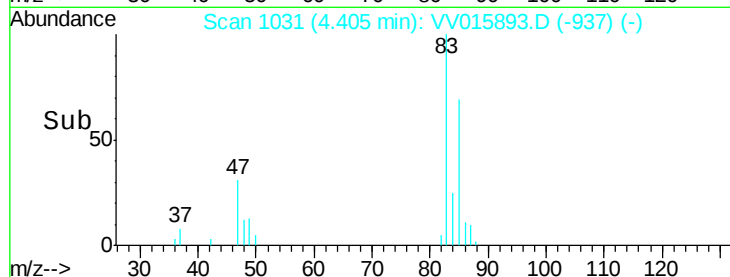
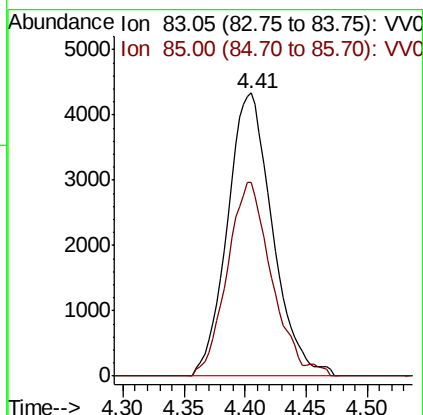
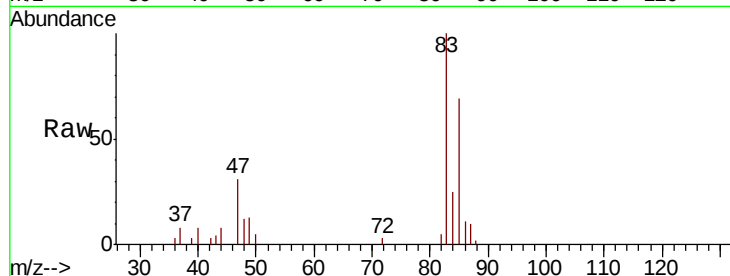




#25
 Chloroform
 Concen: 0.504 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

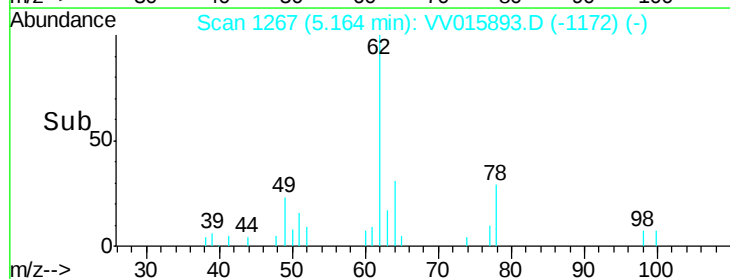
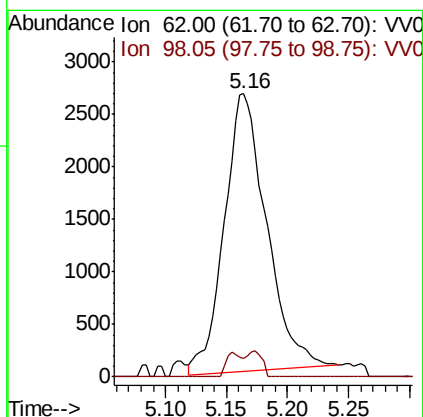
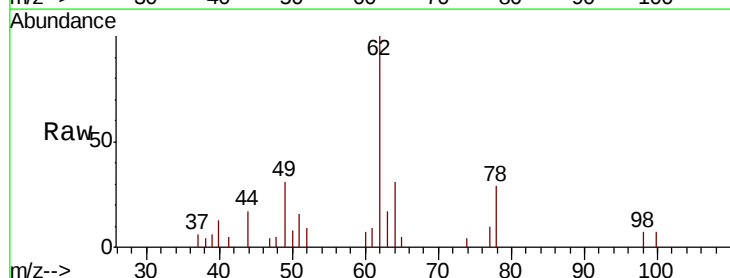
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

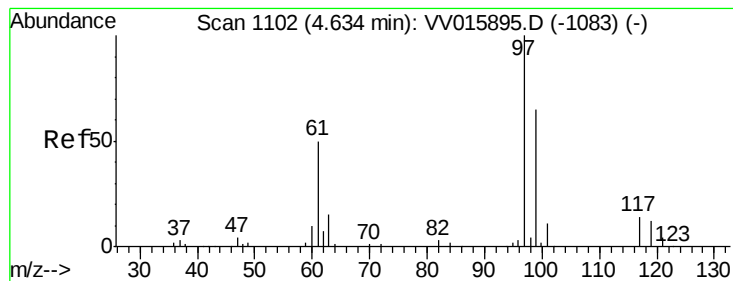
Tot Ion: 83 Resp: 11115
 Ion Ratio Lower Upper
 83 100
 85 68.7 45.7 84.9



#27
 1,2-Dichloroethane
 Concen: 0.450 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

Tgt Ion: 62 Resp: 6439
 Ion Ratio Lower Upper
 62 100
 98 6.6 6.7 10.1#





#29

1,1,1-Trichloroethane

Concen: 0.459 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

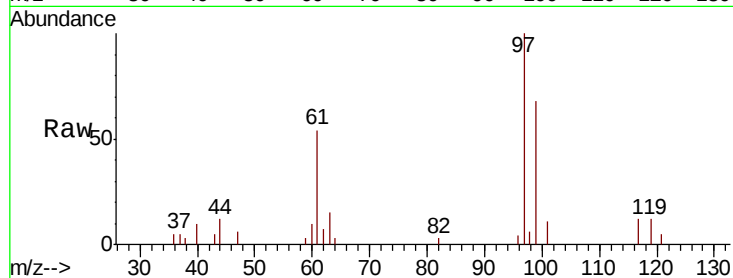
Tot Ion: 97 Resp: 8847

Ion Ratio Lower Upper

97 100

99 66.5 50.7 76.1

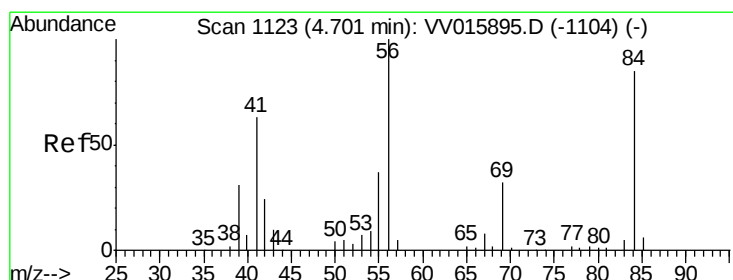
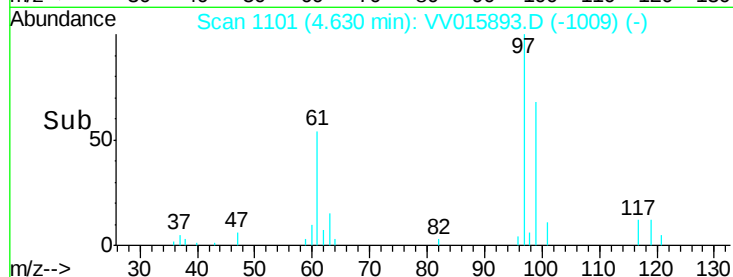
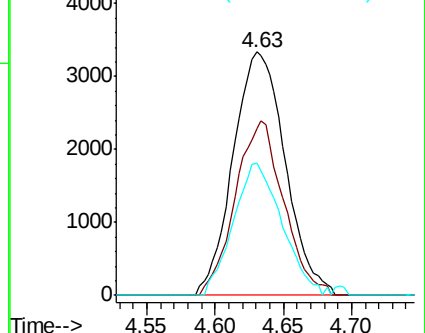
61 50.5 38.8 58.2



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.481 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

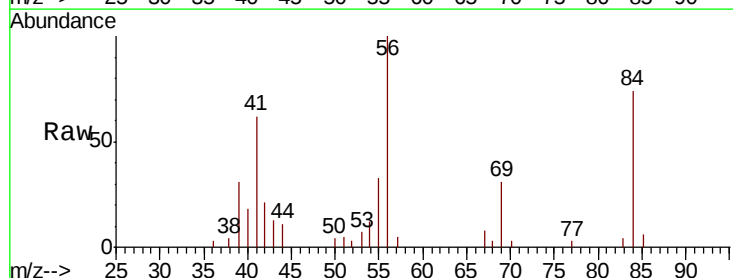
Tgt Ion: 56 Resp: 8977

Ion Ratio Lower Upper

56 100

69 31.0 24.2 36.2

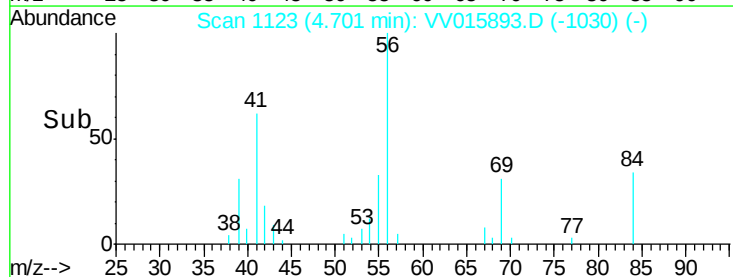
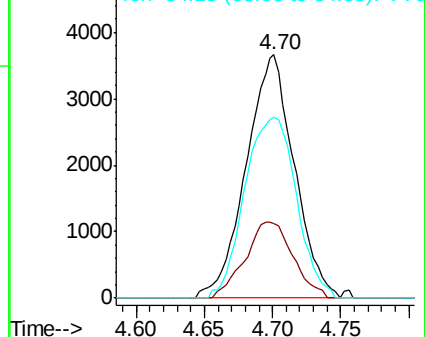
84 79.5 68.3 102.5

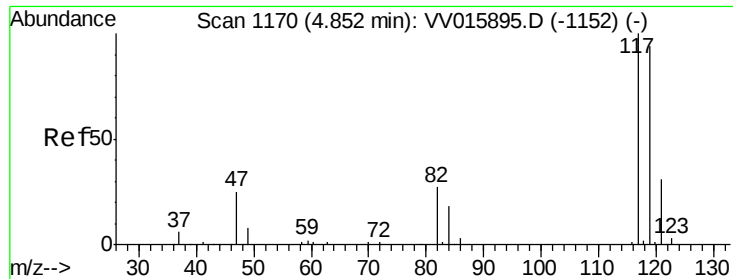


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.482 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

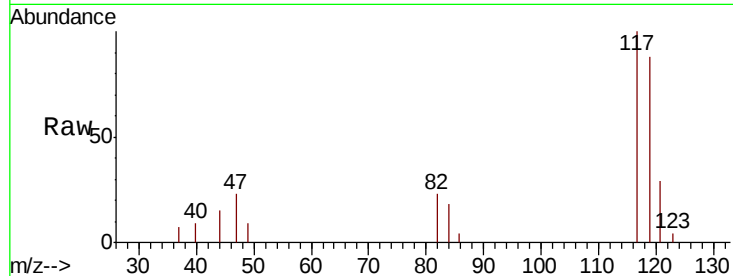
VSTD0.536

Tot Ion:117 Resp: 7743

Ion Ratio Lower Upper

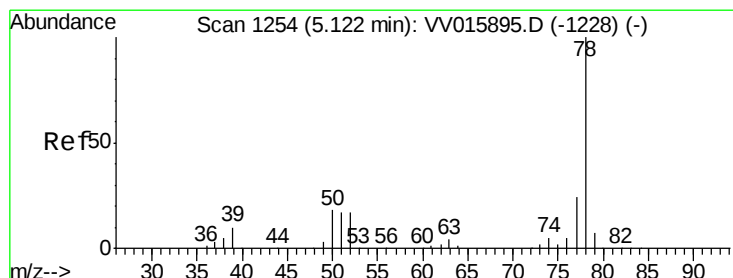
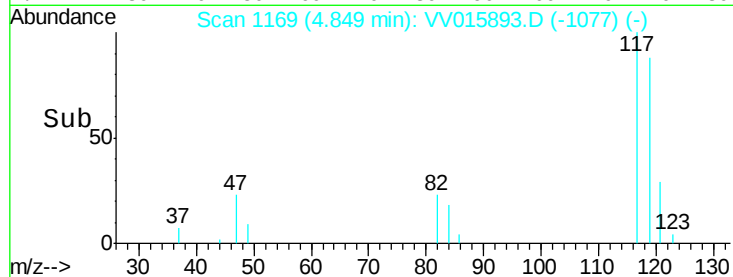
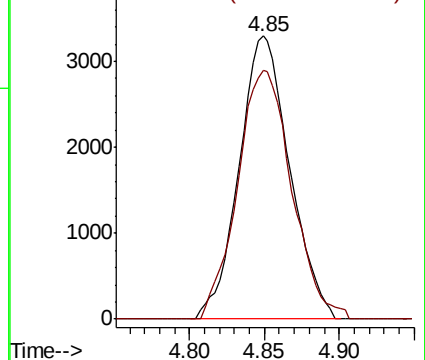
117 100

119 94.4 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.446 ug/L

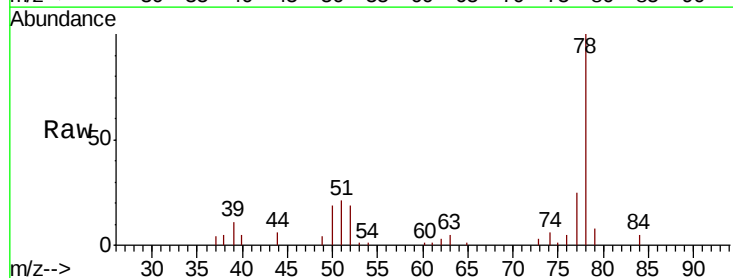
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

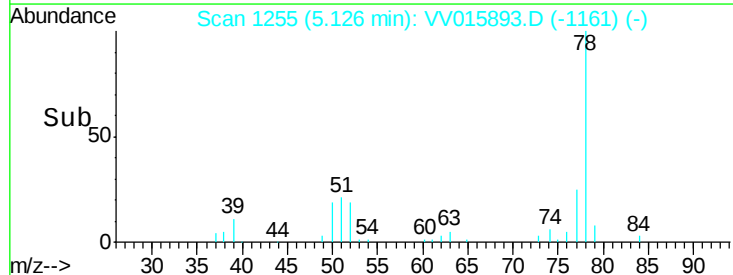
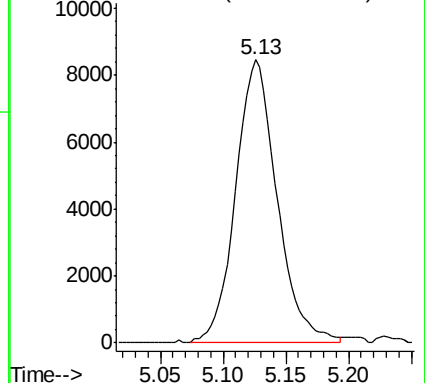
Lab File: VV015893.D

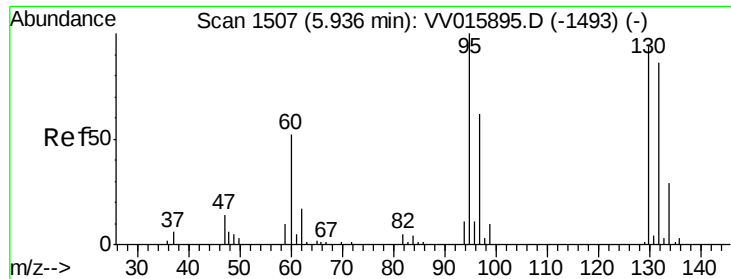
Acq: 05 May 2020 10:52

Tgt Ion: 78 Resp: 19490



Abundance Ion 78.10 (77.80 to 78.80): VV0

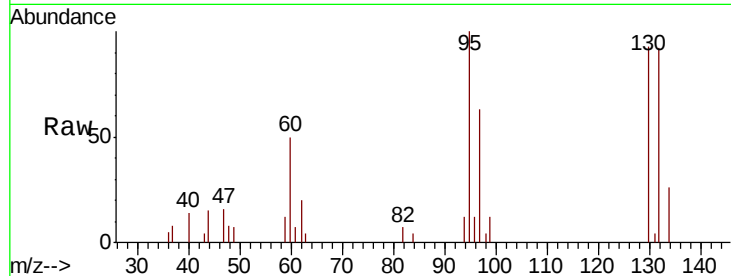




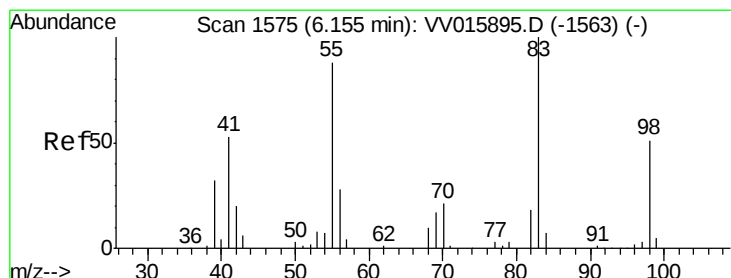
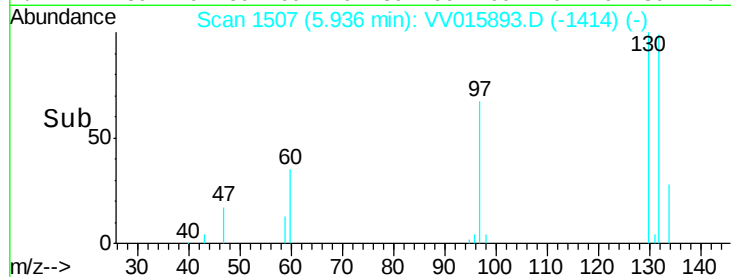
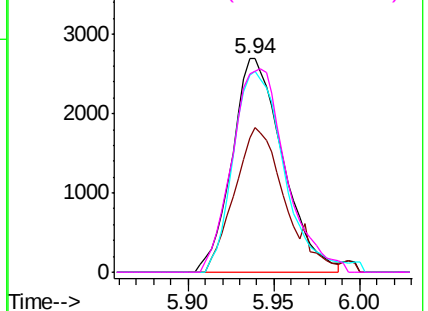
#34
 Trichloroethene
 Concen: 0.460 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tot Ion: 95 Resp: 5559
 Ion Ratio Lower Upper
 95 100
 97 62.8 43.3 80.5
 132 92.0 60.3 112.1
 130 93.2 66.0 122.6

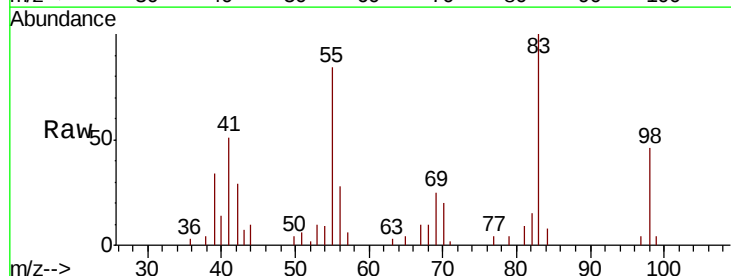


Abundance Ion 95.00 (94.70 to 95.70): VV015893.D (-1414) (-)
 Ion 96.95 (96.65 to 97.65): VV015893.D (-1414) (-)
 Ion 131.95 (131.65 to 132.65): VV015893.D (-1414) (-)
 Ion 129.95 (129.65 to 130.65): VV015893.D (-1414) (-)

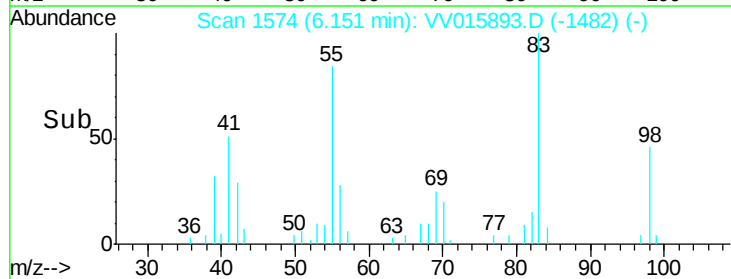
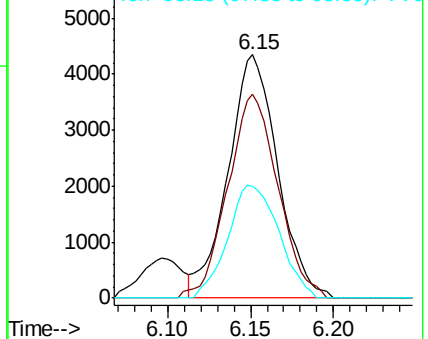


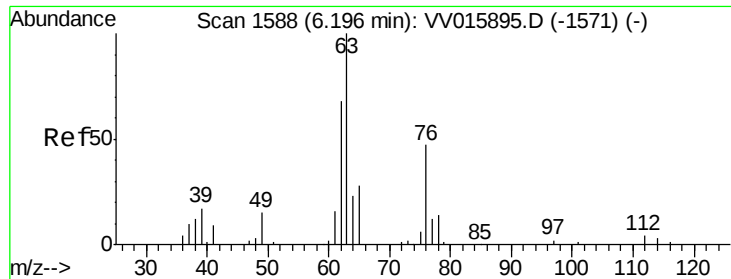
#35
 Methylcyclohexane
 Concen: 0.483 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

Tgt Ion: 83 Resp: 9018
 Ion Ratio Lower Upper
 83 100
 55 84.9 66.2 99.2
 98 47.9 37.9 56.9



Abundance Ion 83.15 (82.85 to 83.85): VV015893.D (-1482) (-)
 Ion 55.10 (54.80 to 55.80): VV015893.D (-1482) (-)
 Ion 98.15 (97.85 to 98.85): VV015893.D (-1482) (-)

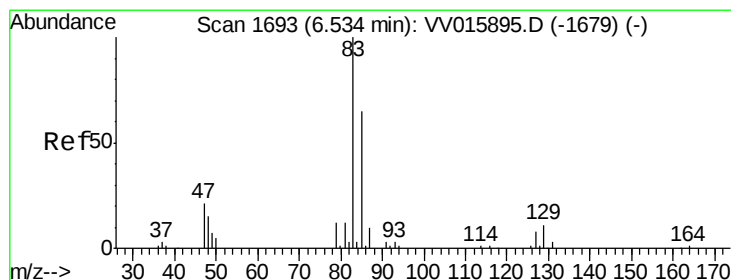
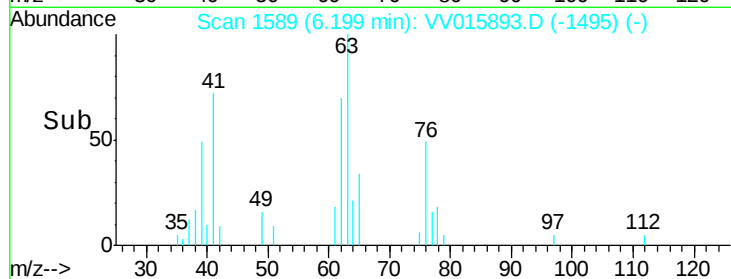
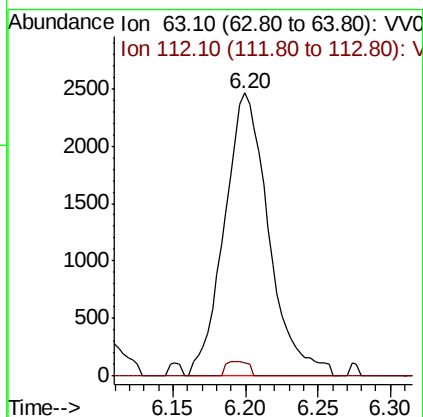
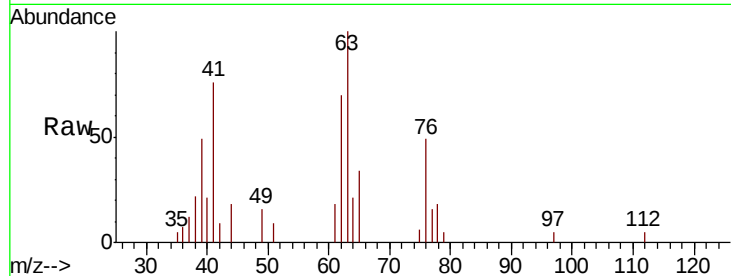




#37
 1,2-Dichloropropane
 Concen: 0.473 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

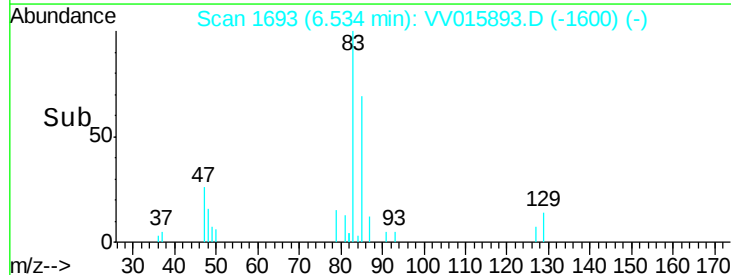
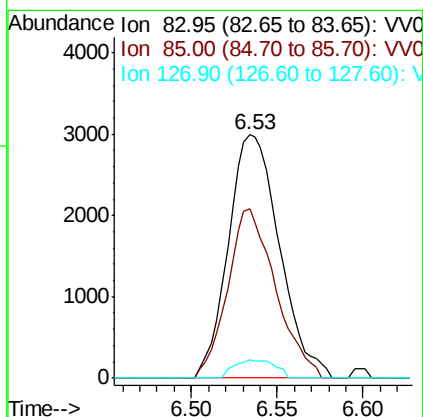
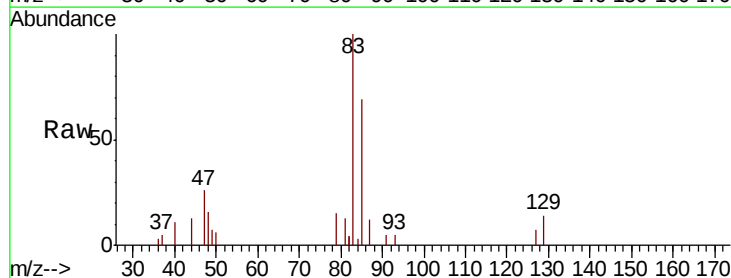
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.536

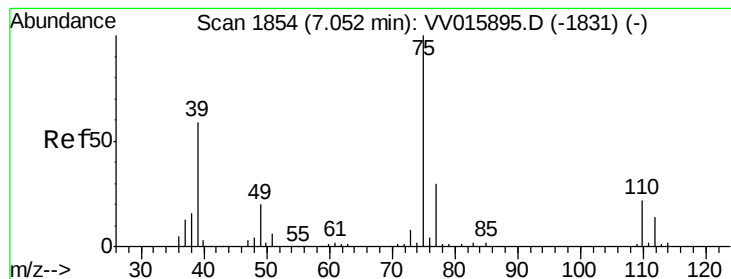
Tot Ion: 63 Resp: 5252
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.4 5.0#



#38
 Bromodichloromethane
 Concen: 0.440 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

Tgt Ion: 83 Resp: 6193
 Ion Ratio Lower Upper
 83 100
 85 69.4 45.5 84.5
 127 7.4 6.2 9.4



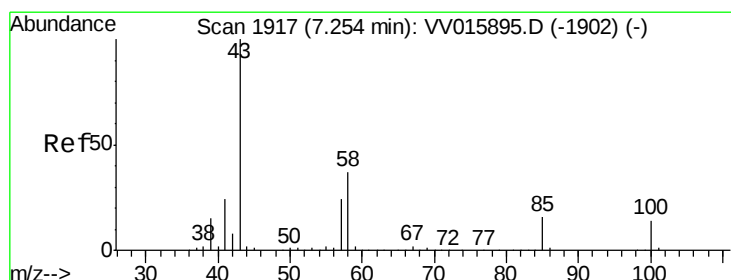
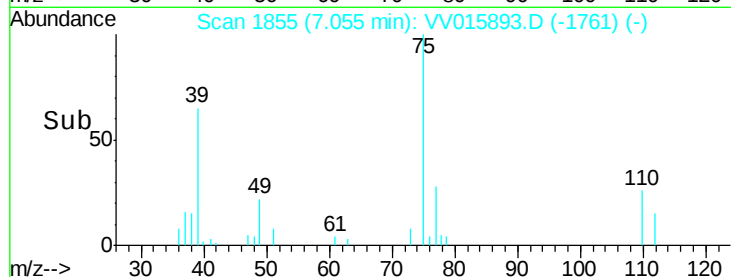
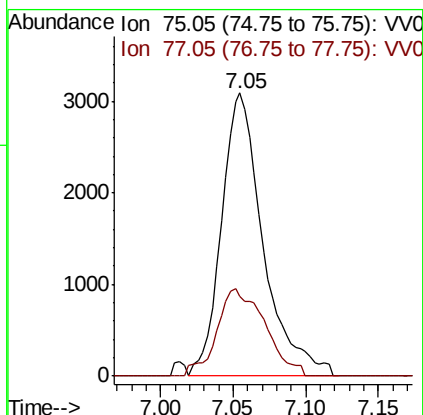
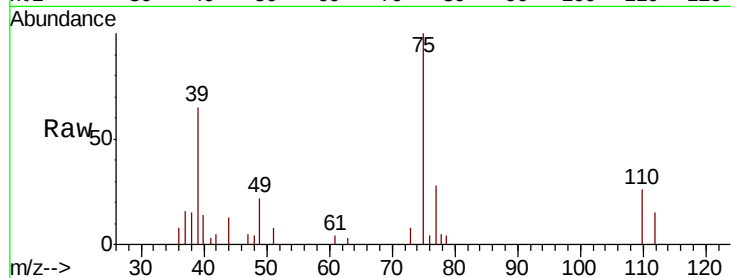


#39

cis-1,3-Dichloropropene
 Concen: 0.397 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

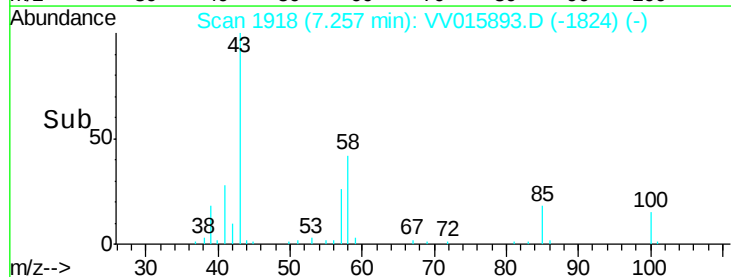
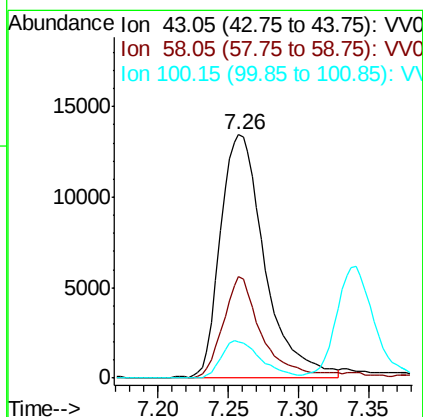
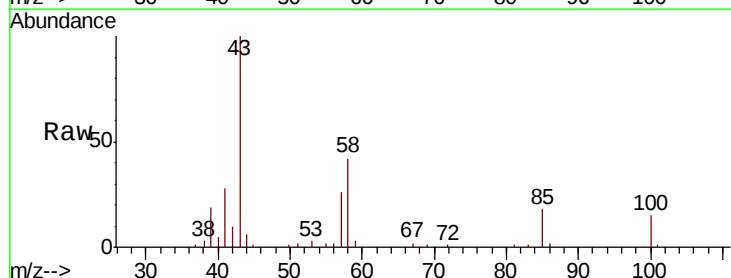
Tot Ion: 75 Resp: 6163
 Ion Ratio Lower Upper
 75 100
 77 28.2 21.3 39.5

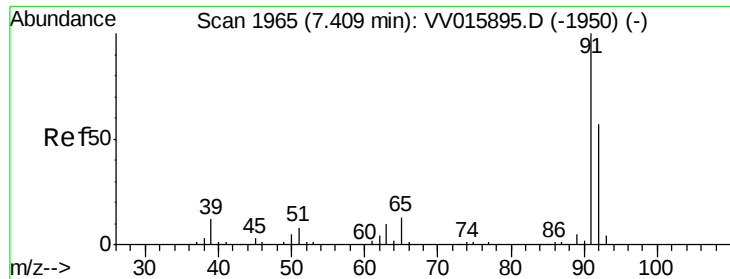


#40

4-Methyl-2-pentanone
 Concen: 4.098 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

Tgt Ion: 43 Resp: 29523
 Ion Ratio Lower Upper
 43 100
 58 35.8 29.0 43.4
 100 13.9 10.9 16.3





#42

Toluene

Concen: 0.448 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampled :

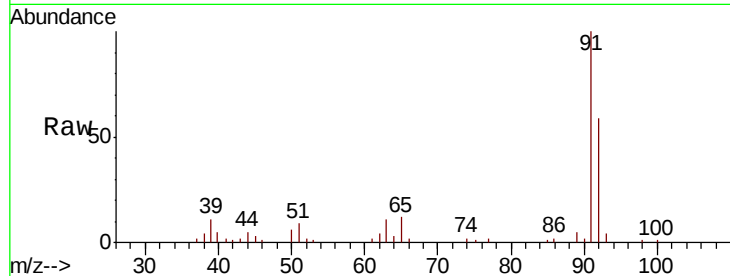
VSTD0.536

Tot Ion: 91 Resp: 20893

Ion Ratio Lower Upper

91 100

92 58.6 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

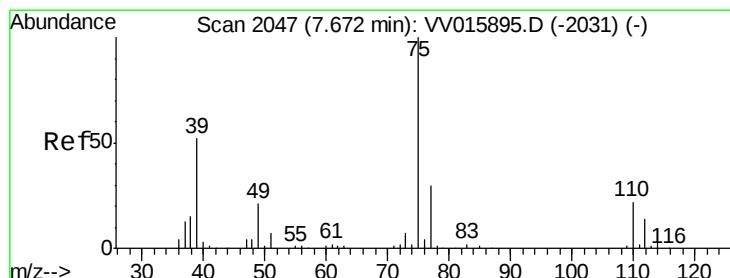
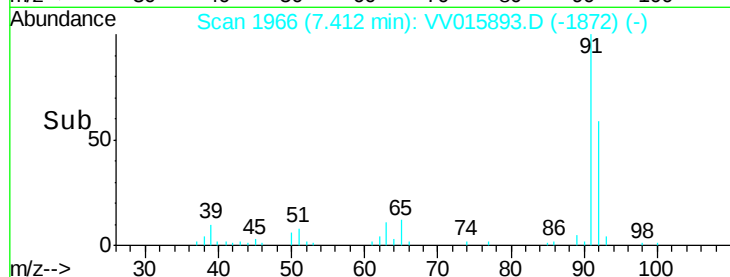
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.420 ug/L

RT: 7.68 min Scan# 2050

Delta R.T. 0.01 min

Lab File: VV015893.D

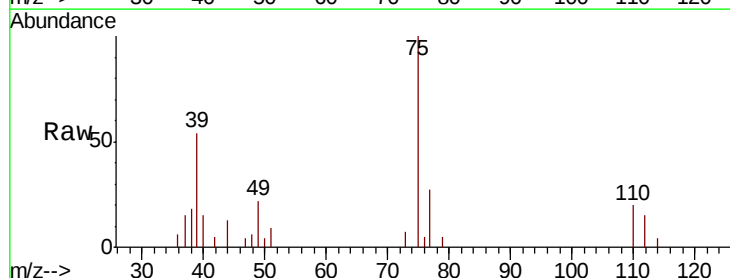
Acq: 05 May 2020 10:52

Tgt Ion: 75 Resp: 5456

Ion Ratio Lower Upper

75 100

77 27.0 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.68

3000

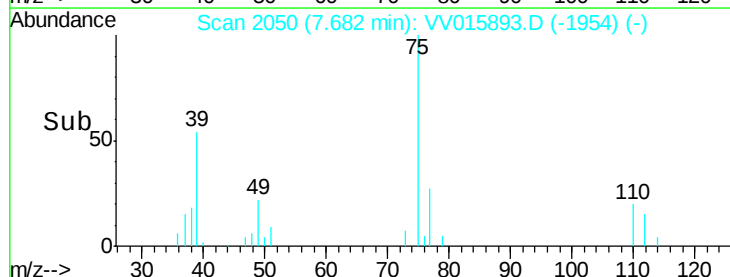
2000

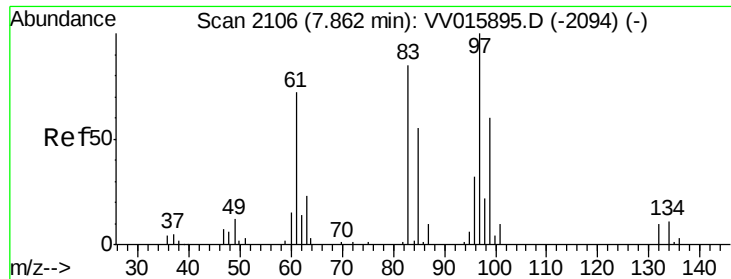
1000

0

Time-->

7.60 7.65 7.70 7.75

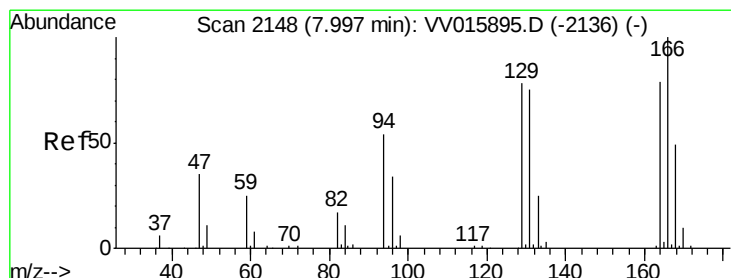
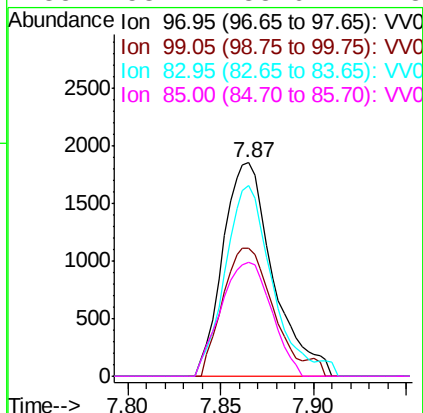
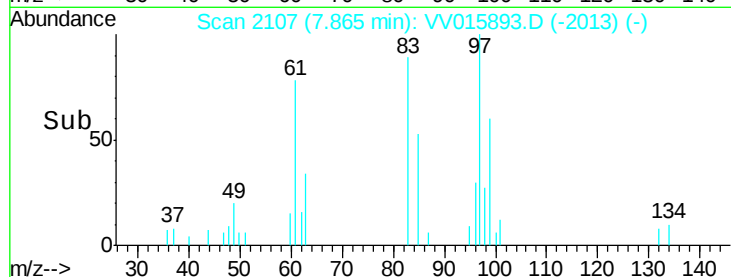
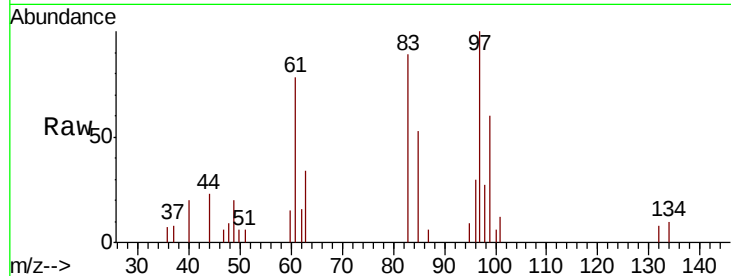




#45
1,1,2-Trichloroethane
Concen: 0.462 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VV015893.D
Acq: 05 May 2020 10:52

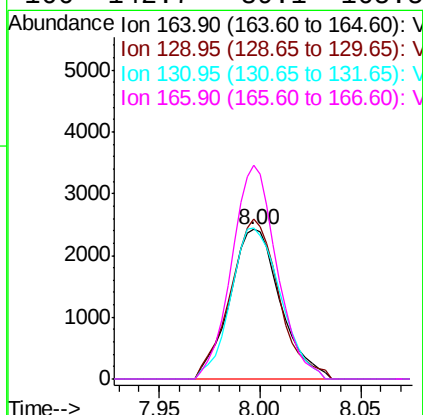
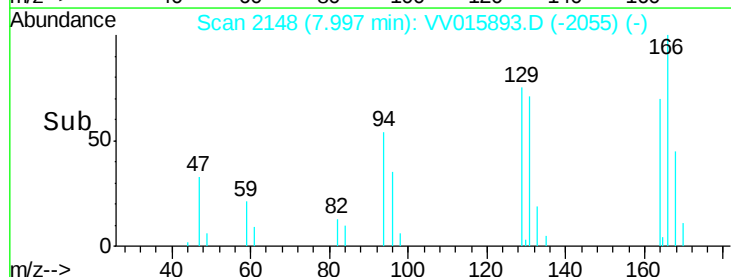
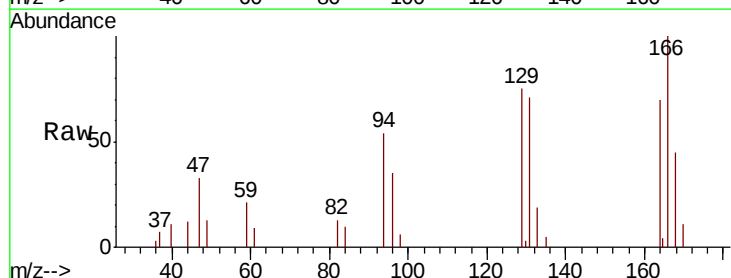
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

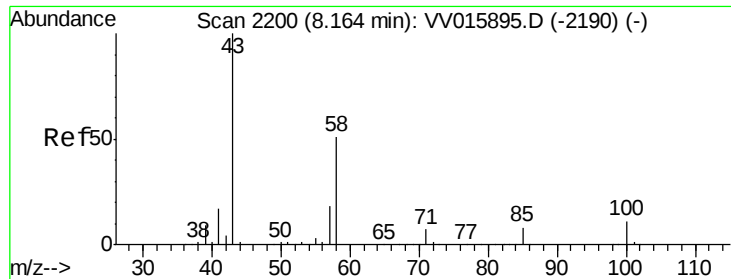
Tot Ion:	97	Resp:	3477
Ion	Ratio	Lower	Upper
97	100		
99	59.6	42.1	78.1
83	89.2	59.2	110.0
85	53.2	38.6	71.8



#47
Tetrachloroethene
Concen: 0.490 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015893.D
Acq: 05 May 2020 10:52

Tgt Ion:	164	Resp:	4257
Ion	Ratio	Lower	Upper
164	100		
129	106.5	69.7	129.4
131	101.4	66.8	124.2
166	142.7	89.1	165.5

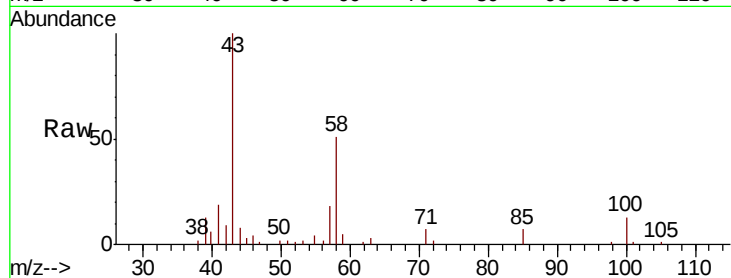




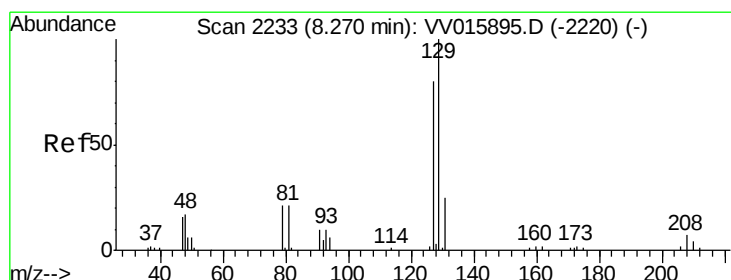
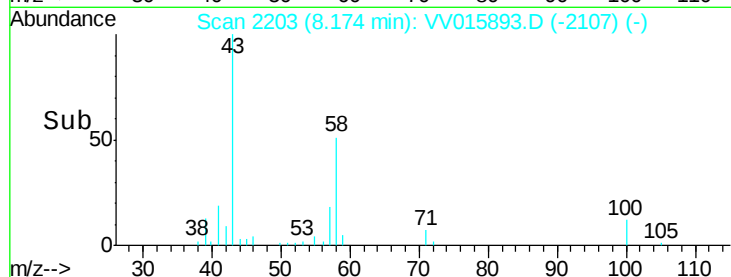
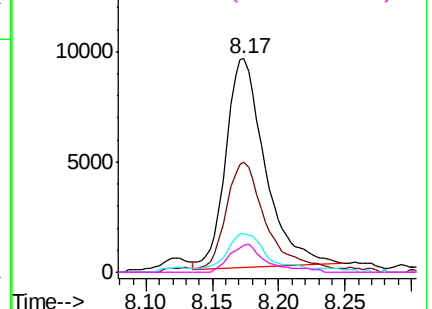
#48
2-Hexanone
Concen: 3.800 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV015893.D
Acq: 05 May 2020 10:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tot Ion: 43 Resp: 19431
Ion Ratio Lower Upper
43 100
58 52.0 40.8 61.2
57 21.4 14.7 22.1
100 11.8 9.0 13.6

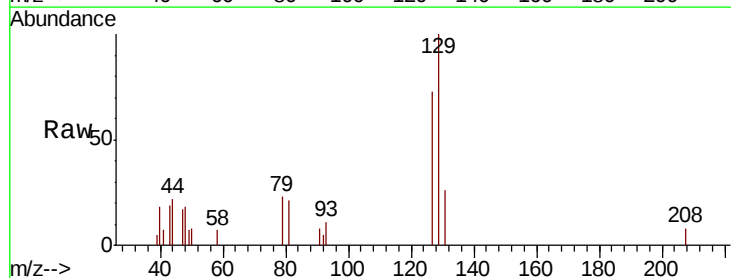


Abundance Ion 43.05 (42.75 to 43.75): VV015893.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015893.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015893.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015893.D (-2107) (-)

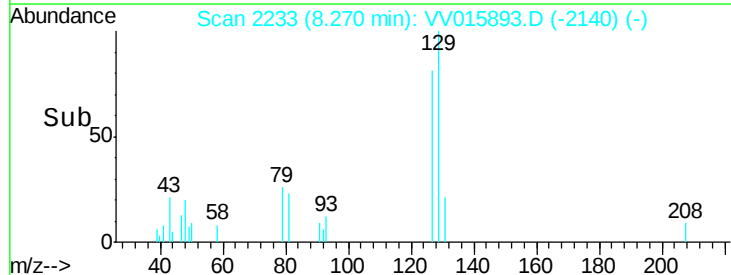
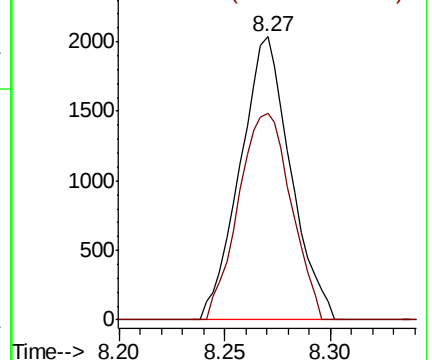


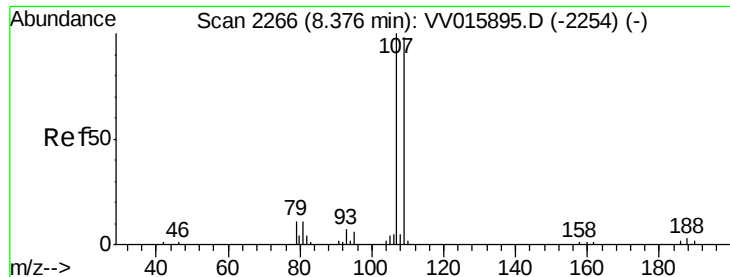
#49
Dibromochloromethane
Concen: 0.429 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. -0.00 min
Lab File: VV015893.D
Acq: 05 May 2020 10:52

Tgt Ion: 129 Resp: 3387
Ion Ratio Lower Upper
129 100
127 72.9 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015893.D (-2140) (-)
Ion 126.90 (126.60 to 127.60): VV015893.D (-2140) (-)

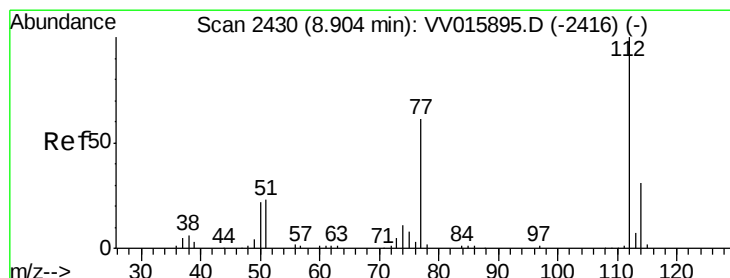
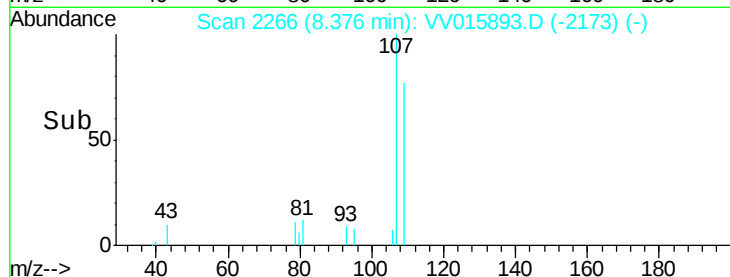
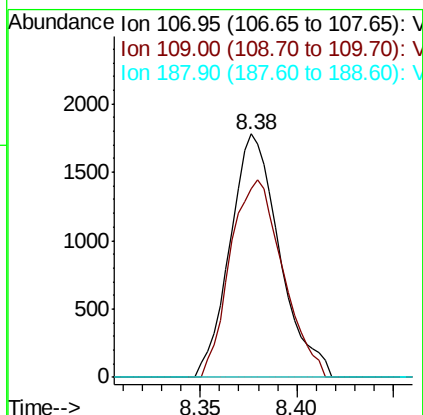
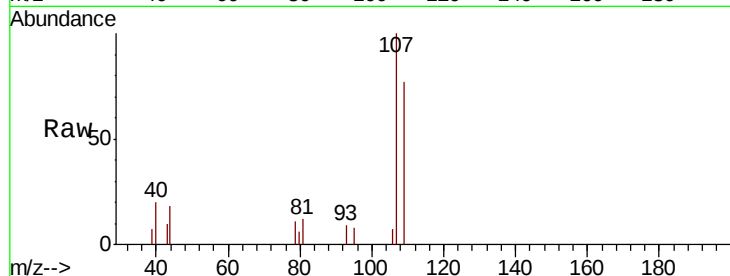




#50
1,2-Dibromoethane
Concen: 0.455 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. -0.00 min
Lab File: VV015893.D
Acq: 05 May 2020 10:52

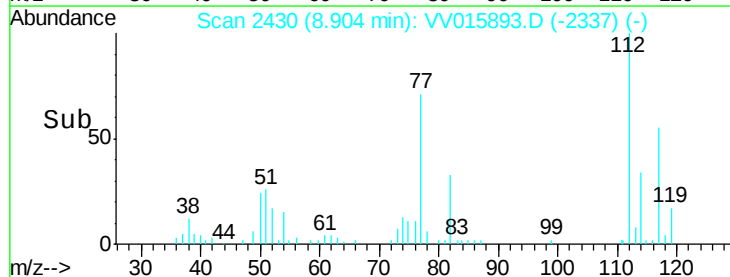
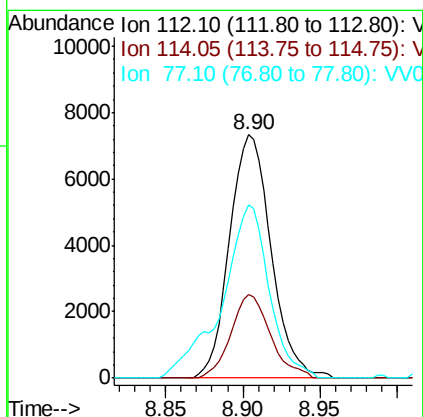
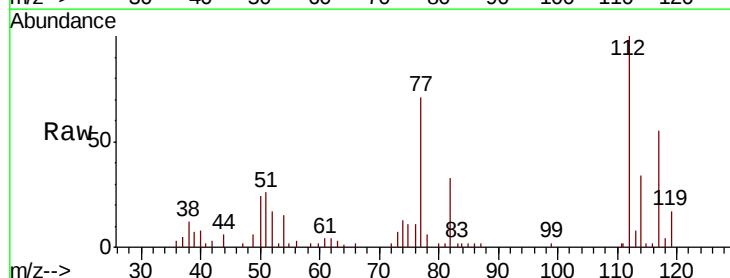
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

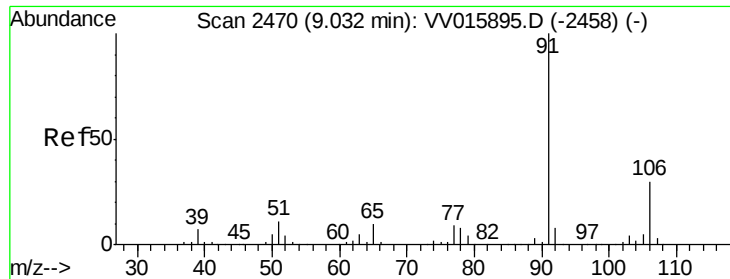
Tot Ion:107 Resp: 3166
Ion Ratio Lower Upper
107 100
109 77.4 68.9 127.9
188 0.0 2.7 4.1#



#51
Chlorobenzene
Concen: 0.448 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015893.D
Acq: 05 May 2020 10:52

Tgt Ion:112 Resp: 13685
Ion Ratio Lower Upper
112 100
114 34.2 21.6 40.0
77 71.0 48.6 73.0





#52

Ethylbenzene

Concen: 0.433 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

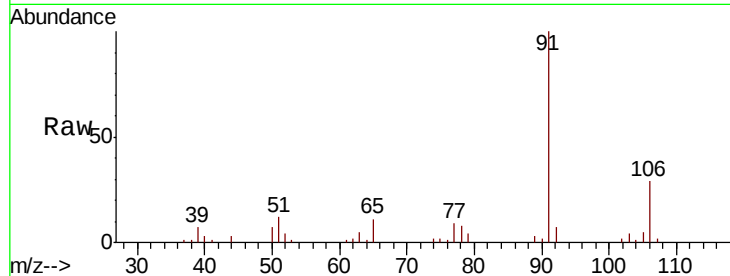
VSTD0.536

Tot Ion: 91 Resp: 23357

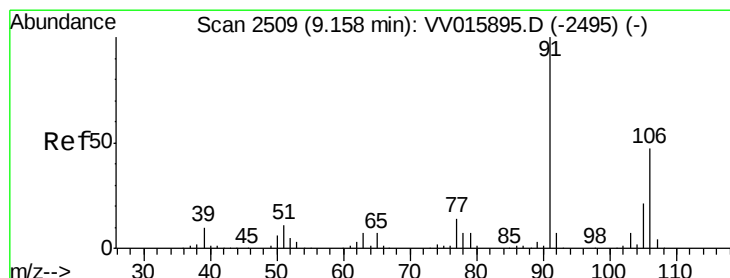
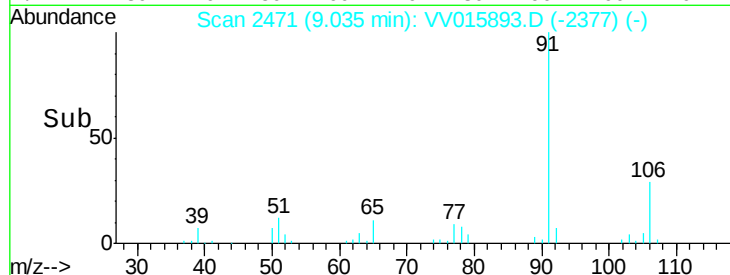
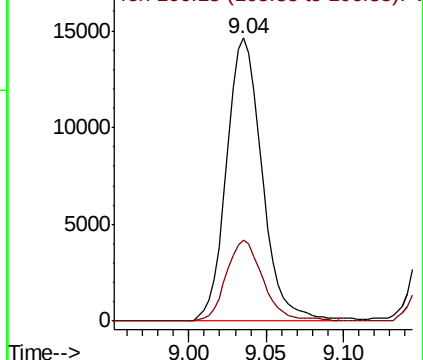
Ion Ratio Lower Upper

91 100

106 28.7 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VV015893.D (-2377) (-)



#53

m,p-xylene

Concen: 0.438 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015893.D

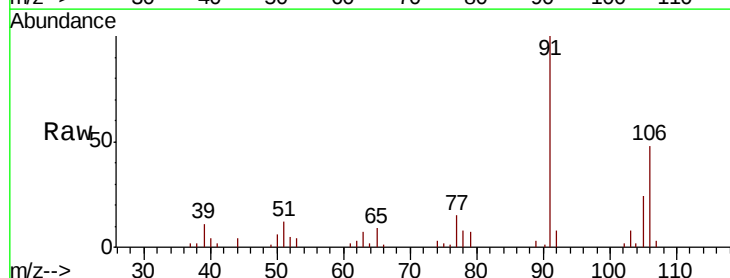
Acq: 05 May 2020 10:52

Tgt Ion: 106 Resp: 8682

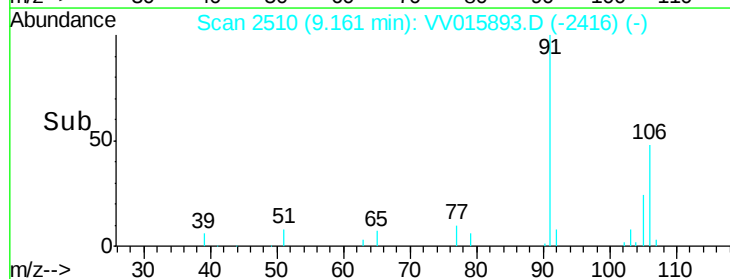
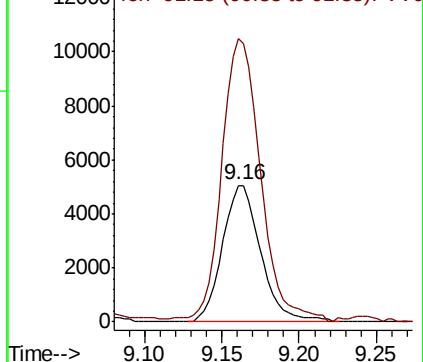
Ion Ratio Lower Upper

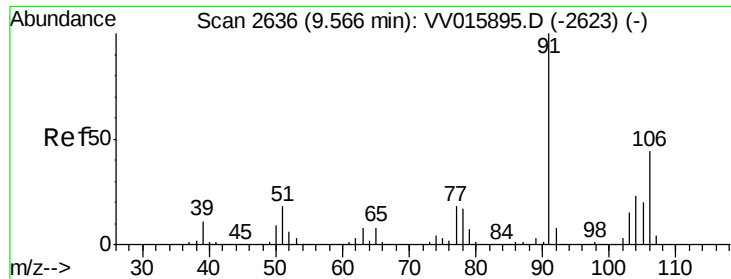
106 100

91 207.2 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): VV015893.D (-2416) (-)





#54

o-xylene

Concen: 0.437 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

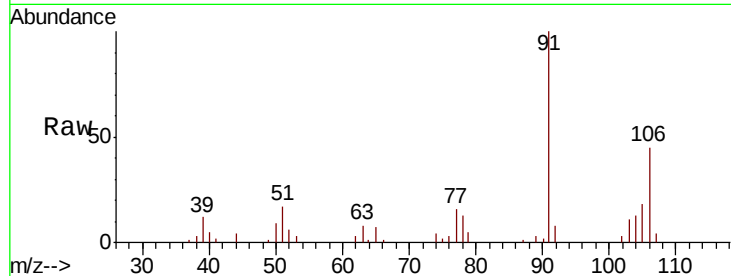
VSTD0.536

Tot Ion:106 Resp: 8346

Ion Ratio Lower Upper

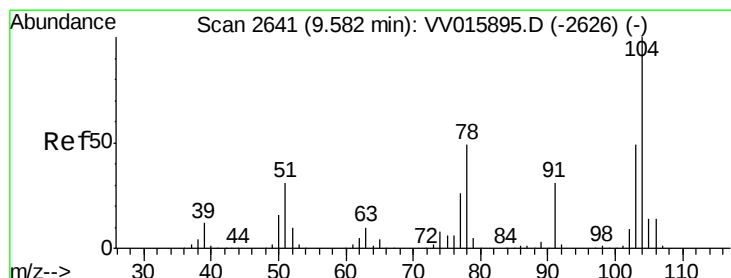
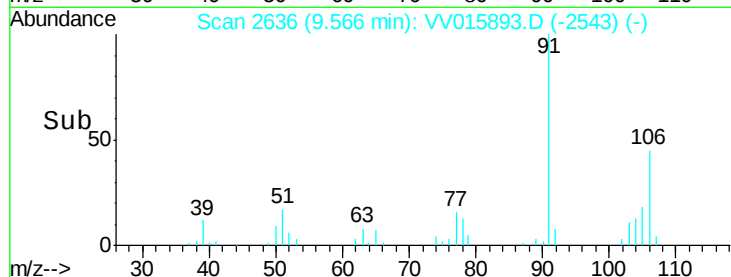
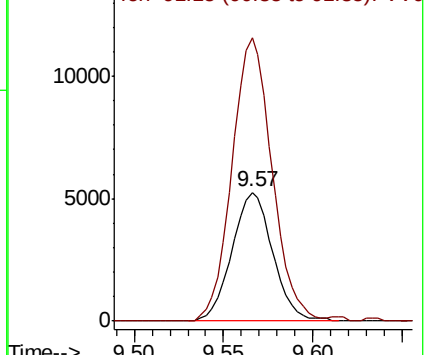
106 100

91 220.0 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.405 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV015893.D

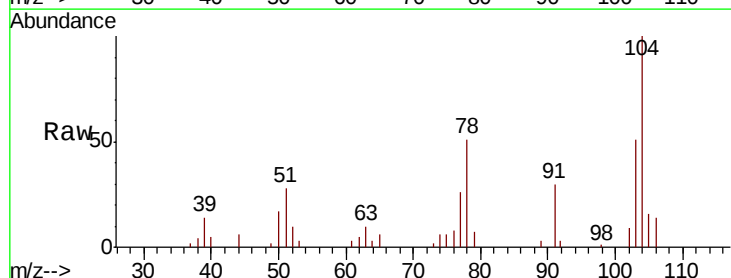
Acq: 05 May 2020 10:52

Tgt Ion:104 Resp: 13076

Ion Ratio Lower Upper

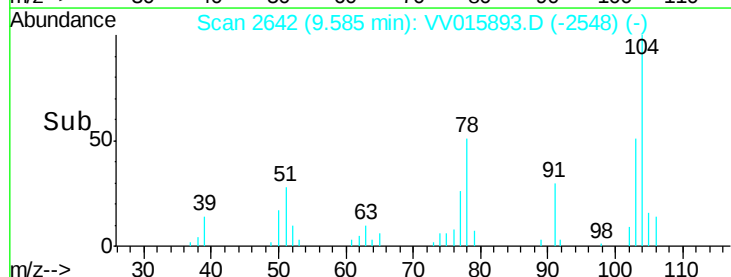
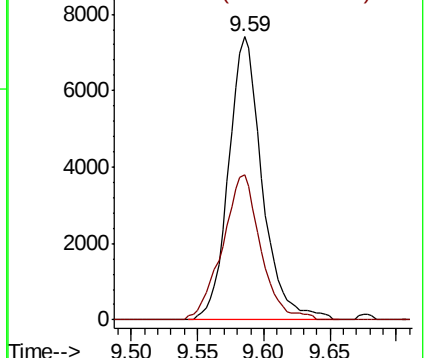
104 100

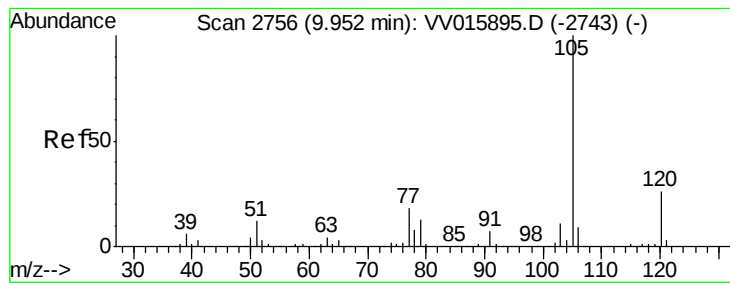
78 51.2 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.420 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

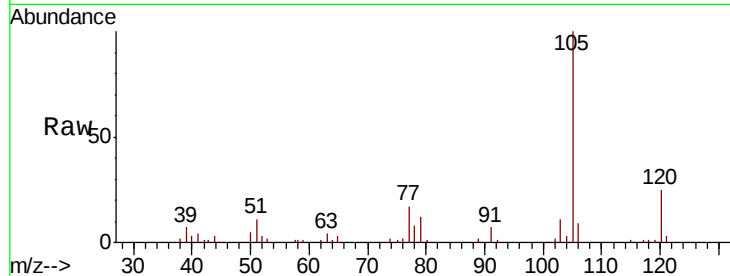
Tot Ion:105 Resp: 22445

Ion Ratio Lower Upper

105 100

120 24.8 20.8 31.2

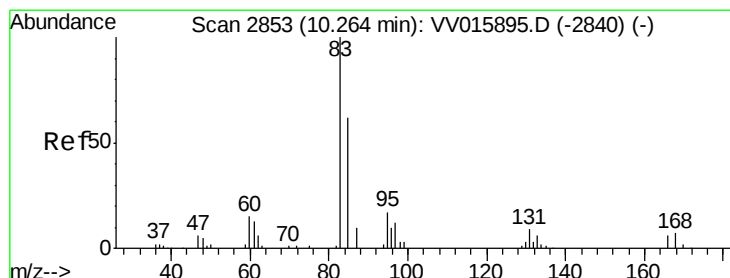
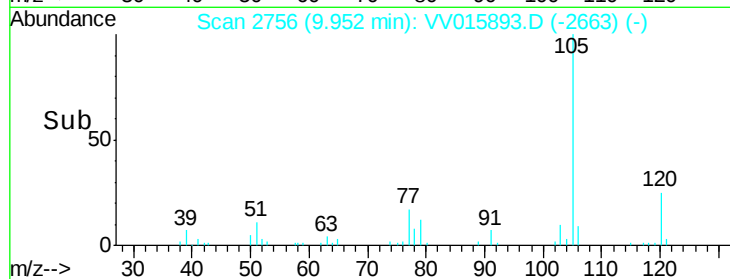
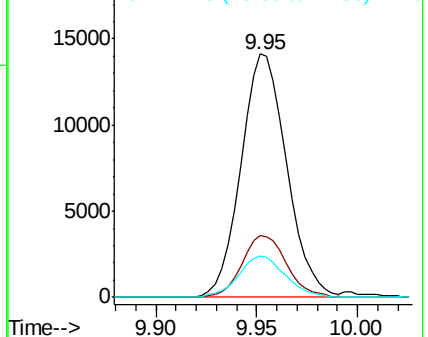
77 17.2 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.429 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

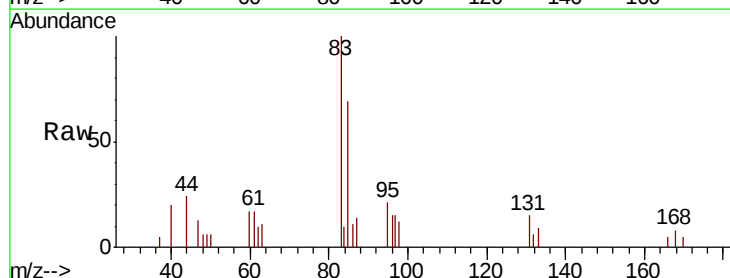
Tgt Ion: 83 Resp: 3771

Ion Ratio Lower Upper

83 100

85 69.5 44.0 81.6

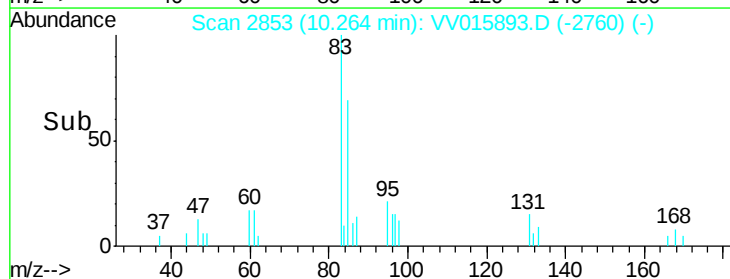
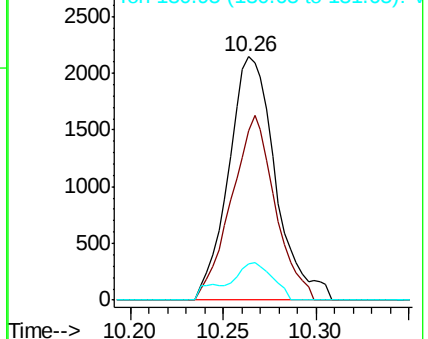
131 14.7 7.7 11.5#

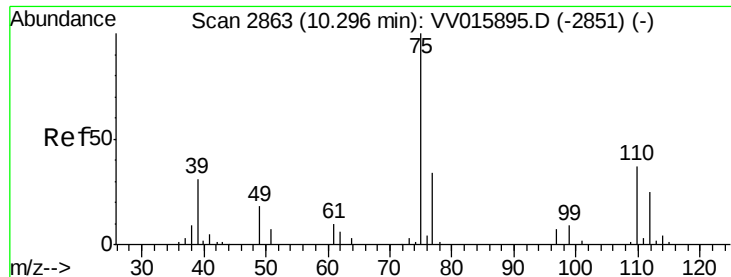


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

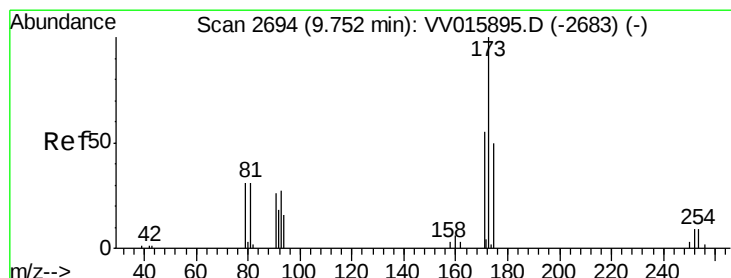
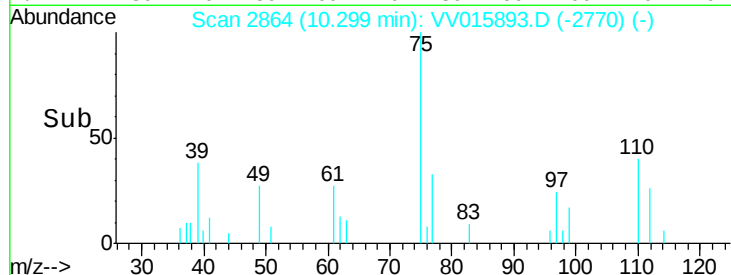
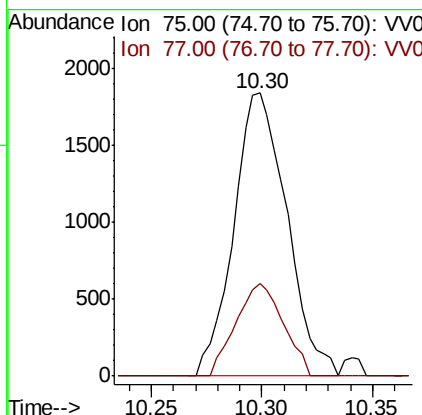
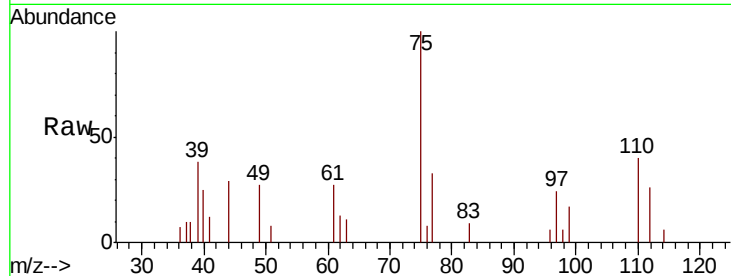




#59
 1,2,3-Trichloropropane
 Concen: 0.438 ug/L
 RT: 10.30 min Scan# 2864
 Delta R.T. 0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

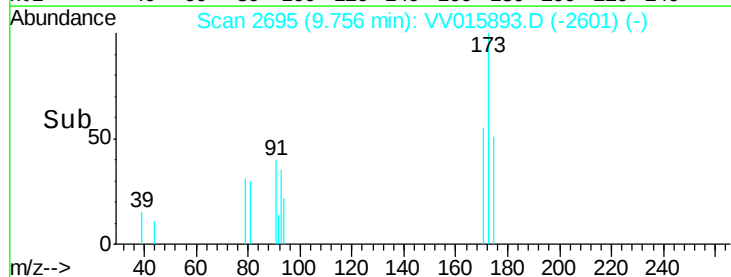
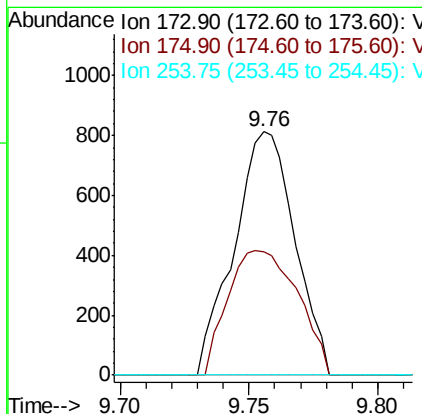
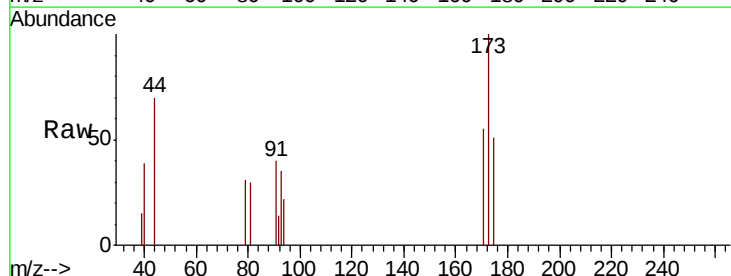
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

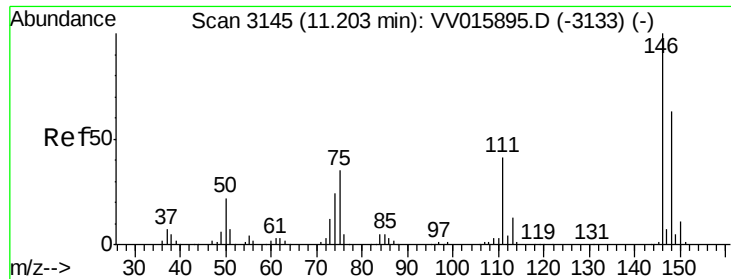
Tot Ion: 75 Resp: 3081
 Ion Ratio Lower Upper
 75 100
 77 29.2 26.2 39.4



#61
 Bromoform
 Concen: 0.409 ug/L
 RT: 9.76 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

Tgt Ion: 173 Resp: 1335
 Ion Ratio Lower Upper
 173 100
 175 59.0 39.8 59.8
 254 0.0 7.1 10.7#





#62

1,3-Dichlorobenzene

Concen: 0.456 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

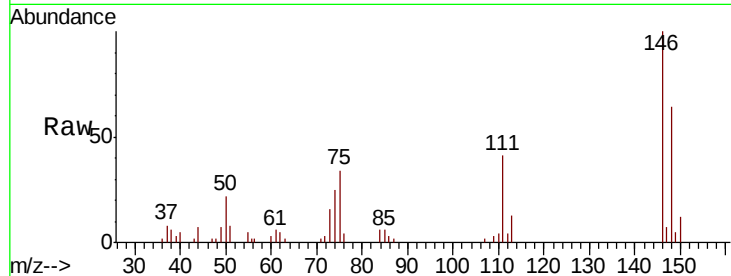
Tot Ion:146 Resp: 10953

Ion Ratio Lower Upper

146 100

111 41.4 28.7 53.3

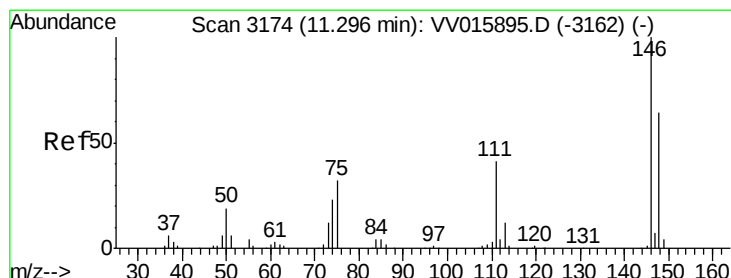
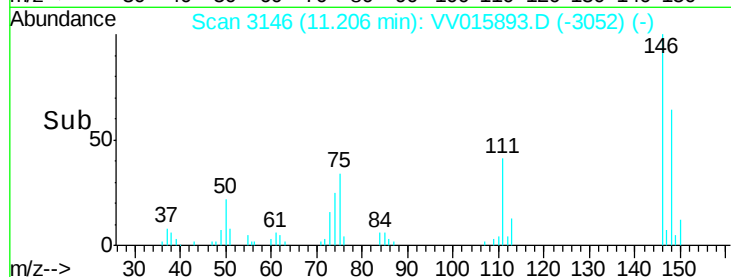
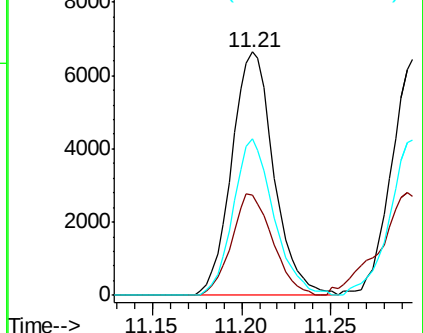
148 64.1 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.453 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

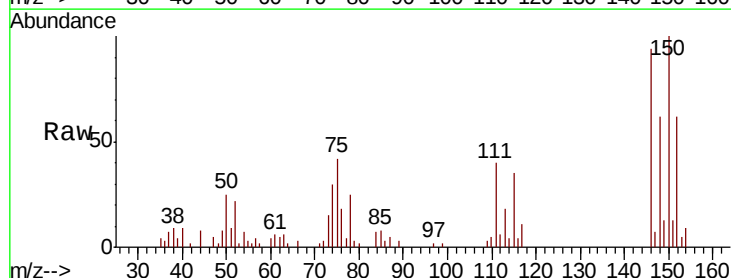
Tgt Ion:146 Resp: 10964

Ion Ratio Lower Upper

146 100

111 42.2 28.9 53.7

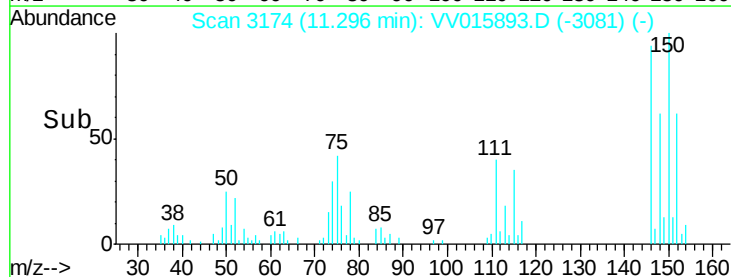
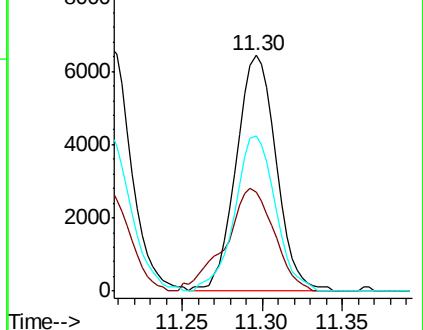
148 66.0 44.6 82.8

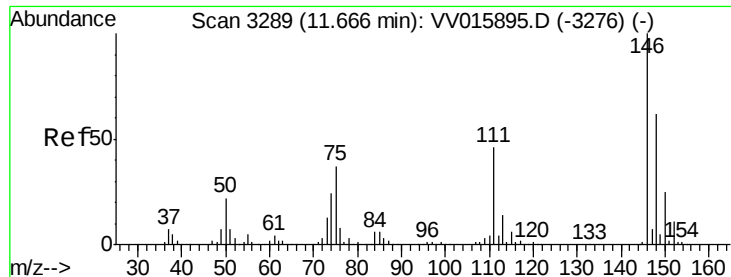


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.465 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampled :

VSTD0.536

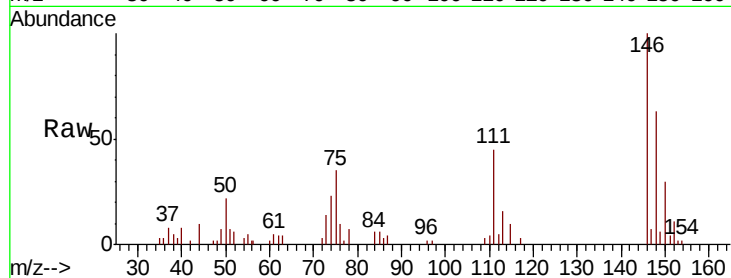
Tot Ion:146 Resp: 10097

Ion Ratio Lower Upper

146 100

111 44.7 37.0 55.4

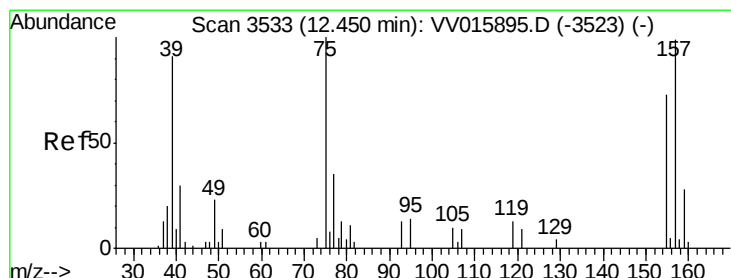
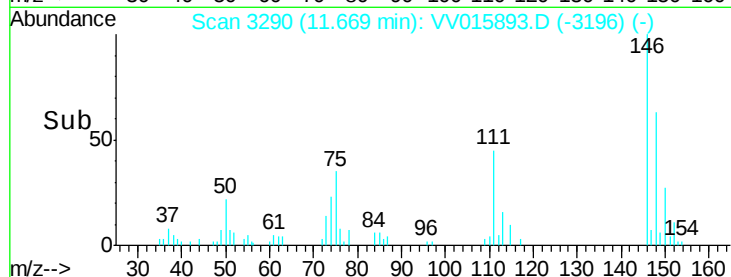
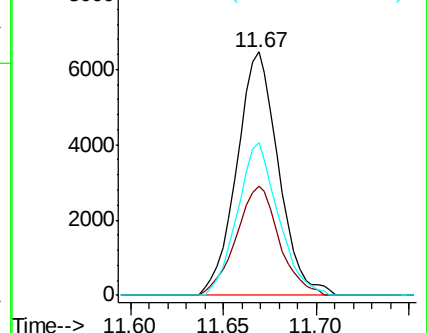
148 62.7 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): 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: 0.543 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

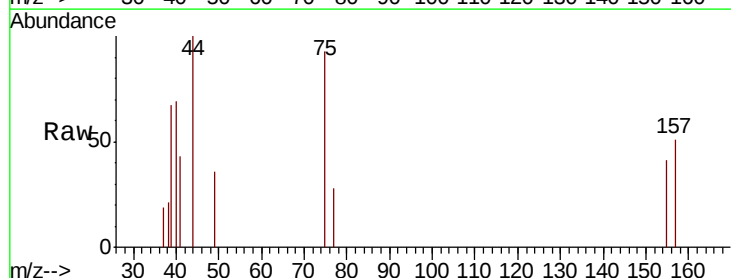
Tgt Ion: 75 Resp: 768

Ion Ratio Lower Upper

75 100

155 44.7 58.2 87.4#

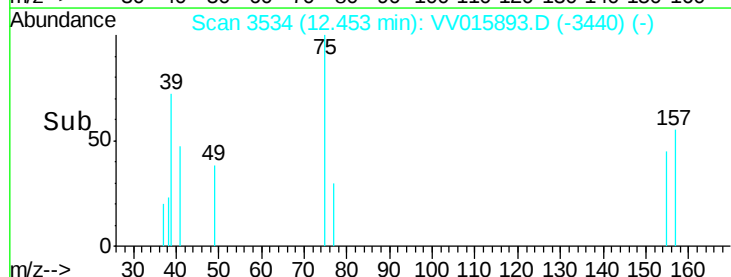
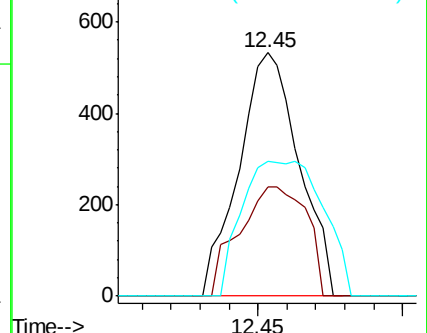
157 55.2 79.4 119.2#

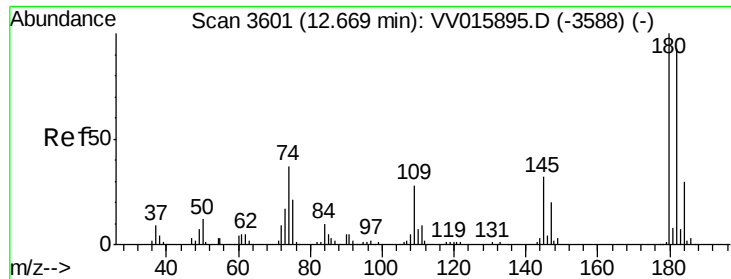


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

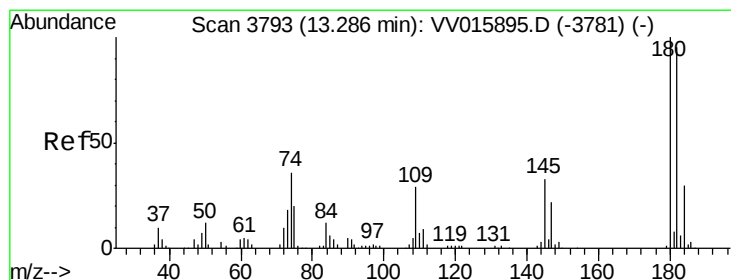
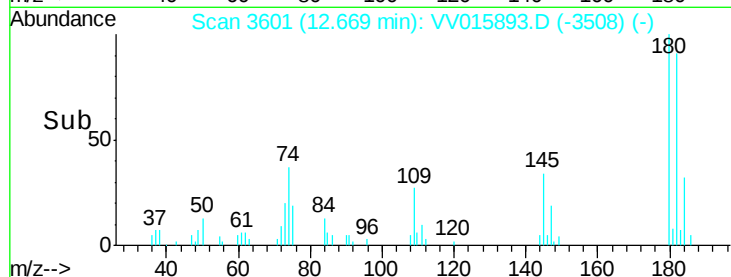
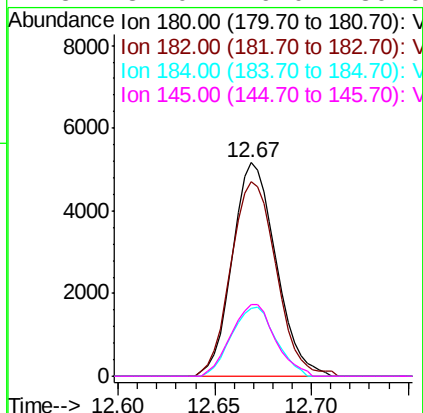
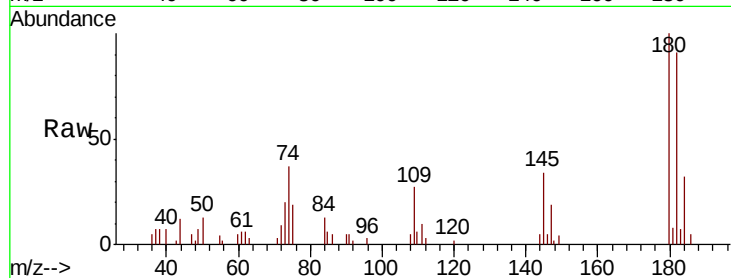




#67
 1,3,5-Trichlorobenzene
 Concen: 0.455 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

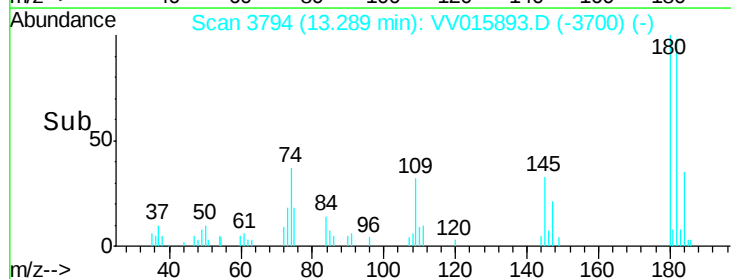
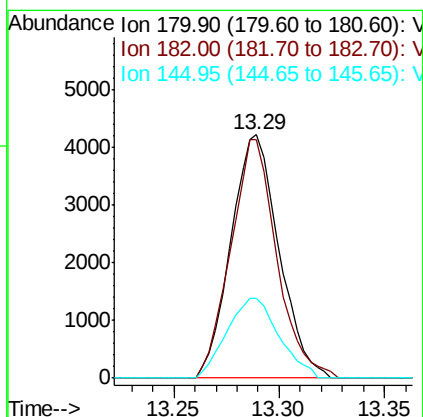
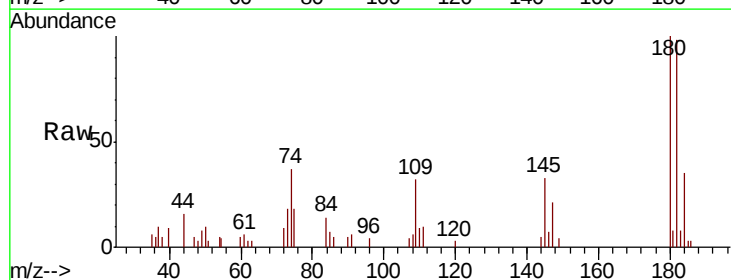
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

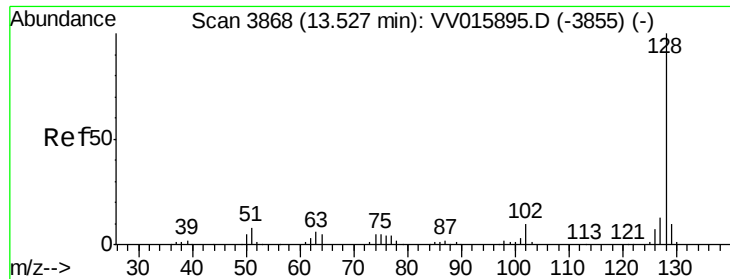
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
184	32.8	24.6	36.8
145	34.0	26.0	39.0



#68
 1,2,4-trichlorobenzene
 Concen: 0.414 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015893.D
 Acq: 05 May 2020 10:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.7	115.1
145	35.5	26.4	39.6





#69

Naphthalene

Concen: 0.341 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

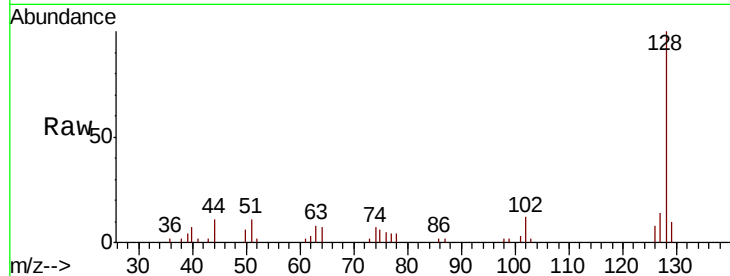
Tot Ion:128 Resp: 9860

Ion Ratio Lower Upper

128 100

129 11.3 8.5 12.7

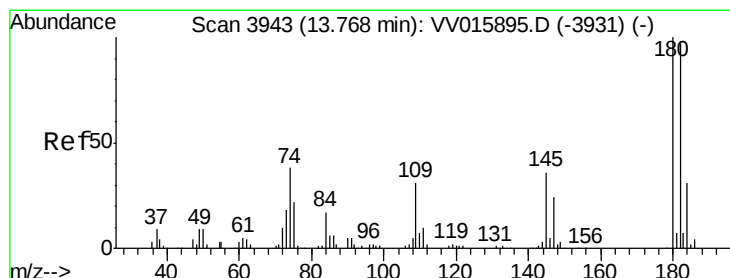
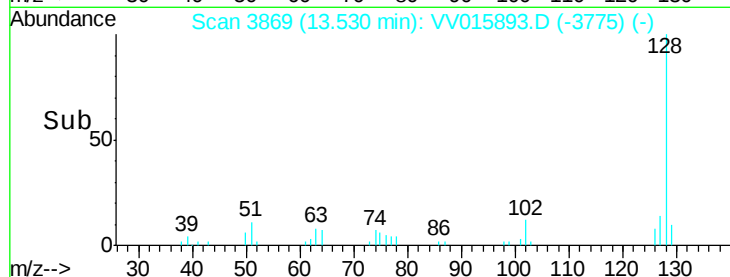
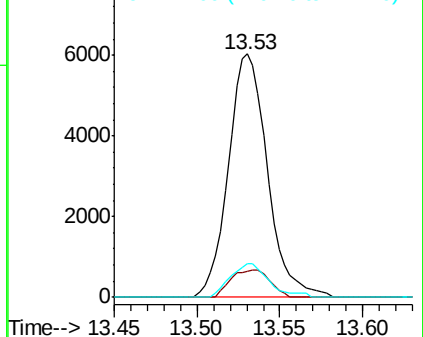
127 13.9 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.403 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015893.D

Acq: 05 May 2020 10:52

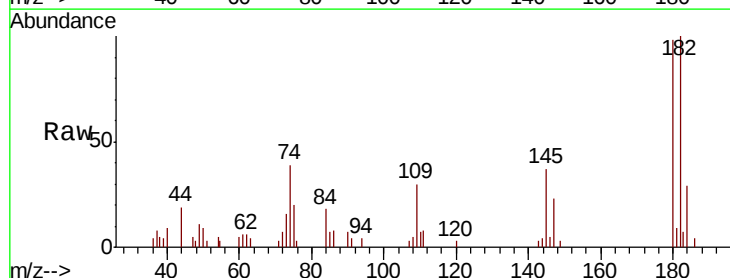
Tgt Ion:180 Resp: 5772

Ion Ratio Lower Upper

180 100

182 98.9 77.0 115.6

145 39.8 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

