

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082319\
 Data File : VV012359.D
 Acq On : 23 Aug 2019 12:15
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Quant Time: Aug 24 00:33:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 24 00:30:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	390425	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	372241	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	165353	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7366	0.31	ug/L	0.00
7) Chloroethane-d5	1.58	69	5184	0.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	12604	0.32	ug/L	0.00
20) 2-Butanone-d5	3.98	46	16682	3.21	ug/L	0.02
24) Chloroform-d	4.40	84	15924	0.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	7109	0.32	ug/L	0.00
32) Benzene-d6	5.10	84	31025	0.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	9320	0.33	ug/L	0.00
41) Toluene-d8	7.36	98	27515	0.32	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3381	0.32	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	7027	2.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5627	0.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	10133	0.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13530	0.372 ug/L	99
3) Chloromethane	1.25	50	10205	0.318 ug/L	97
5) Vinyl chloride	1.32	62	9889	0.302 ug/L	100
6) Bromomethane	1.54	94	4449	0.249 ug/L	78
8) Chloroethane	1.60	64	5069	0.276 ug/L	95
9) Trichlorofluoromethane	1.77	101	12755	0.306 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6644	0.313 ug/L	98
12) 1,1-Dichloroethene	2.14	96	6298	0.317 ug/L	90
13) Acetone	2.22	43	9597	3.097 ug/L	99
14) Carbon disulfide	2.32	76	18689	0.319 ug/L	99
15) Methyl Acetate	2.47	43	3027	0.391 ug/L #	86
16) Methylene chloride	2.53	84	8285	0.387 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	17473	0.317 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	9399	0.351 ug/L	97
19) 1,1-Dichloroethane	3.23	63	16413	0.336 ug/L	96
21) 2-Butanone	4.06	43	17809	2.819 ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	11048	0.380 ug/L	98
23) Bromochloromethane	4.29	128	2174	0.176 ug/L	93
25) Chloroform	4.42	83	22758	0.412 ug/L	95
27) 1,2-Dichloroethane	5.18	62	10200	0.340 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	14707	0.336 ug/L	99
30) Cyclohexane	4.72	56	13997	0.320 ug/L	94
31) Carbon tetrachloride	4.87	117	12592	0.320 ug/L	98
33) Benzene	5.14	78	34635	0.319 ug/L	100
34) Trichloroethene	5.96	95	10348	0.352 ug/L	93
35) Methylcyclohexane	6.17	83	13924	0.308 ug/L	99
37) 1,2-Dichloropropane	6.22	63	9382	0.346 ug/L #	96
38) Bromodichloromethane	6.56	83	11486	0.330 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	11190	0.305 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	43167	2.922 ug/L	97

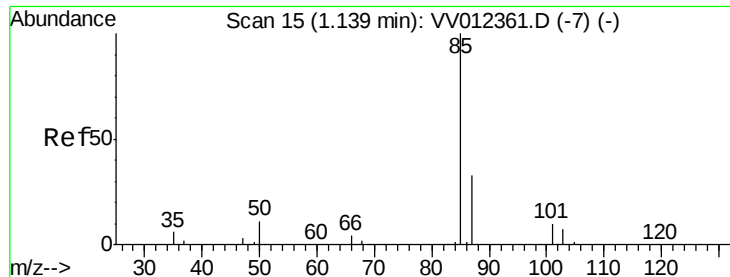
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082319\
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	34184	0.299	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	8061	0.276	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	5861	0.327	ug/L	98
47) Tetrachloroethene	8.02	164	7857	0.327	ug/L	96
48) 2-Hexanone	8.20	43	28923	2.777	ug/L	98
49) Dibromochloromethane	8.29	129	6995	0.315	ug/L	96
50) 1,2-Dibromoethane	8.40	107	5740	0.332	ug/L #	88
51) Chlorobenzene	8.92	112	24150	0.326	ug/L	93
52) Ethylbenzene	9.05	91	36898	0.302	ug/L	98
53) m,p-xylene	9.18	106	13084	0.281	ug/L	100
54) o-xylene	9.59	106	12647	0.286	ug/L	96
55) Styrene	9.60	104	18482	0.250	ug/L	97
56) Isopropylbenzene	9.97	105	34347	0.290	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	5746	0.279	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	4515	0.297	ug/L #	82
61) Bromoform	9.77	173	3471	0.340	ug/L #	95
62) 1,3-Dichlorobenzene	11.23	146	17111	0.326	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	17714	0.338	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	16576	0.344	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	12753	0.320	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	7643	0.260	ug/L	96
69) Naphthalene	13.56	128	8678	0.209	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	6732	0.244	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 0.372 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

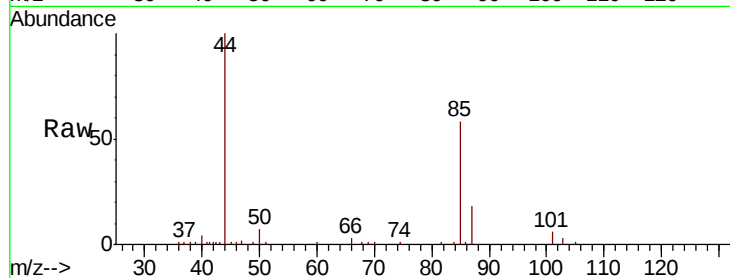
VSTD0.533

Tgt Ion: 85 Resp: 13530

Ion Ratio Lower Upper

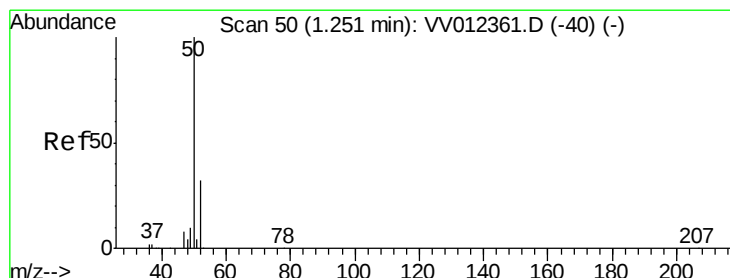
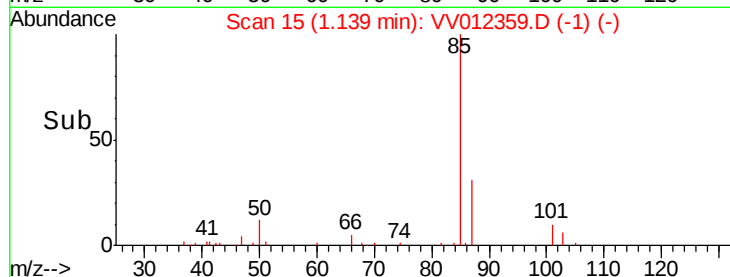
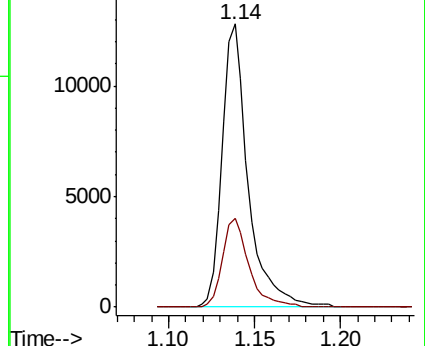
85 100

87 31.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012361.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012361.D (-7) (-)



#3

Chloromethane

Concen: 0.318 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012359.D

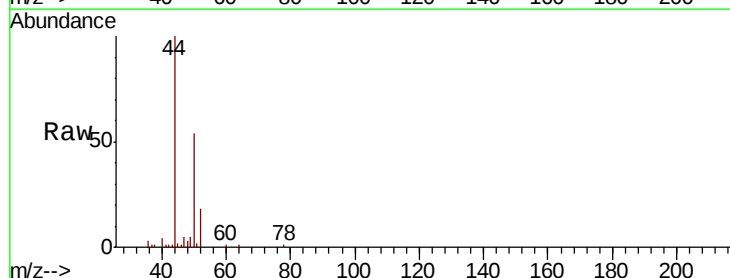
Acq: 23 Aug 2019 12:15

Tgt Ion: 50 Resp: 10205

Ion Ratio Lower Upper

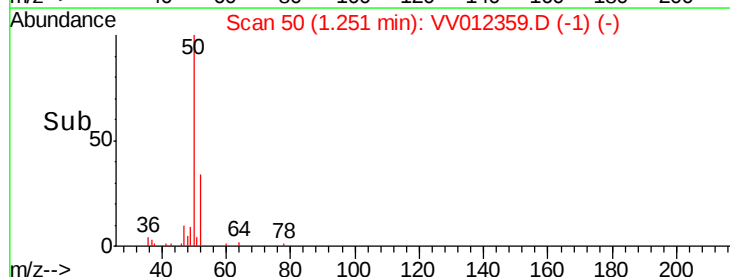
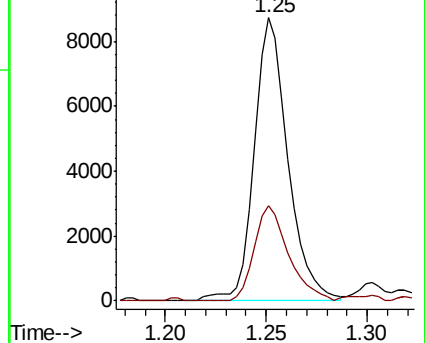
50 100

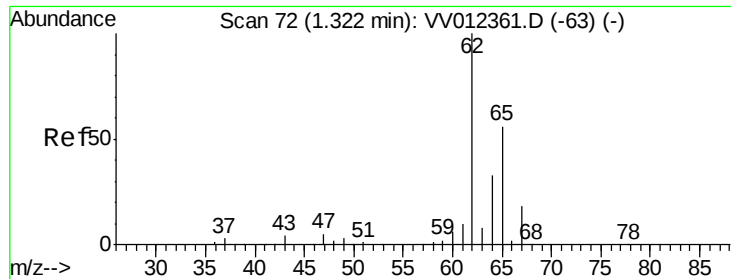
52 33.6 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV012361.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV012361.D (-40) (-)





#5

Vinyl chloride

Concen: 0.302 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

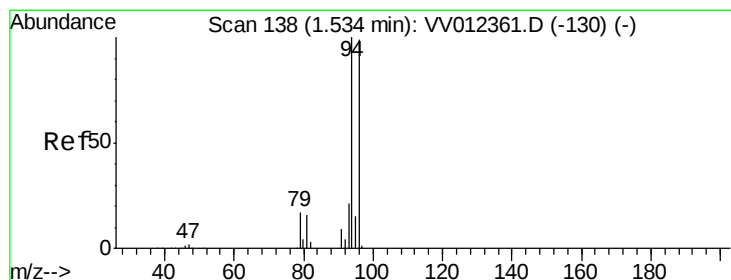
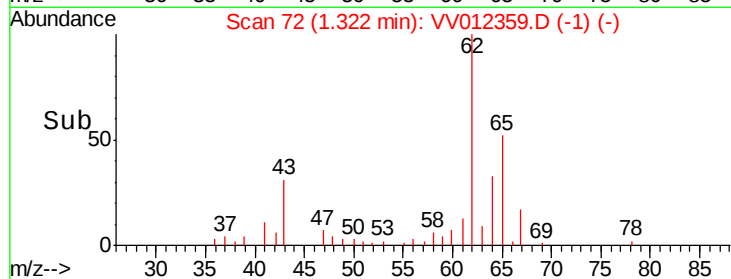
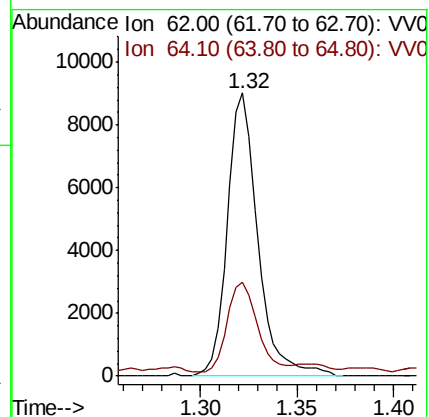
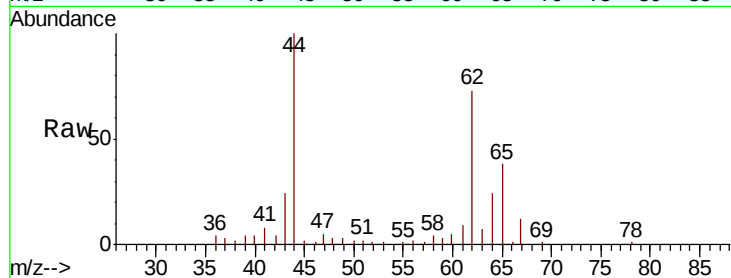
VSTD0.533

Tgt Ion: 62 Resp: 9889

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.2



#6

Bromomethane

Concen: 0.249 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012359.D

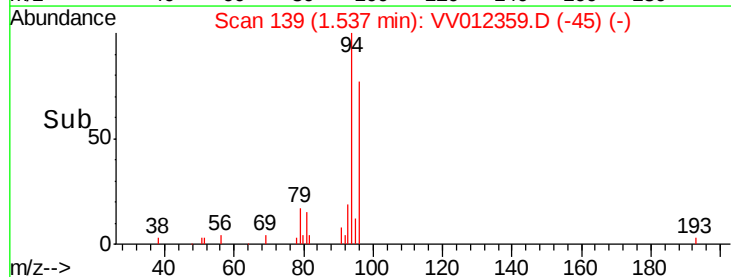
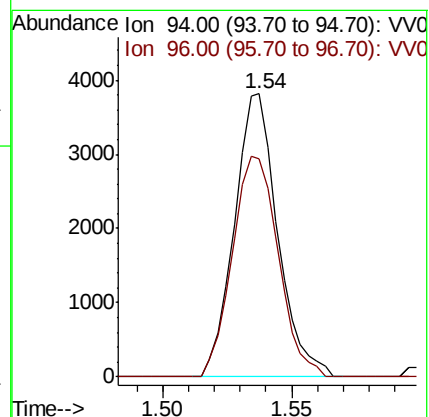
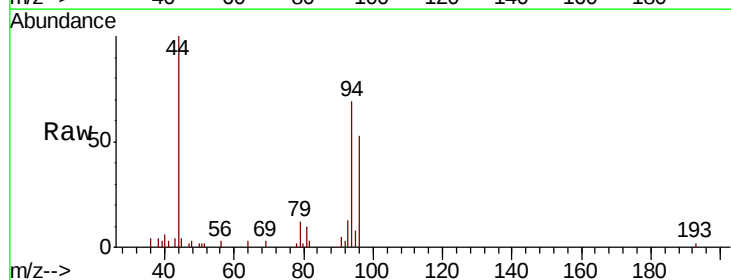
Acq: 23 Aug 2019 12:15

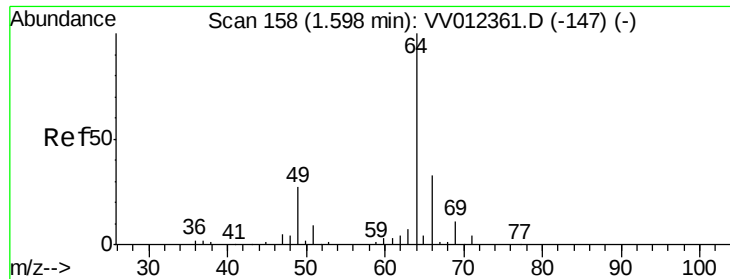
Tgt Ion: 94 Resp: 4449

Ion Ratio Lower Upper

94 100

96 77.1 69.2 128.6

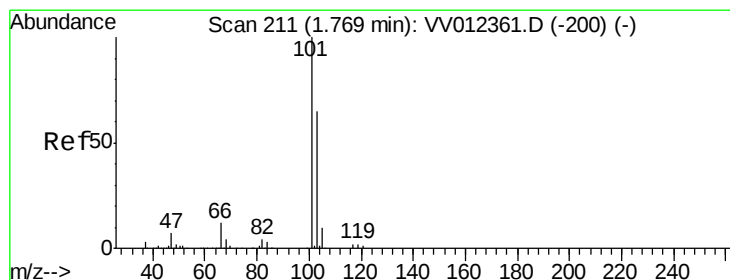
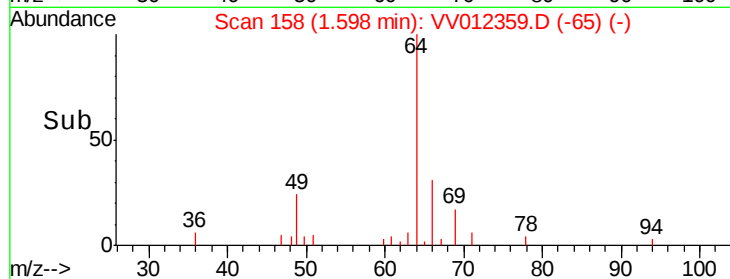
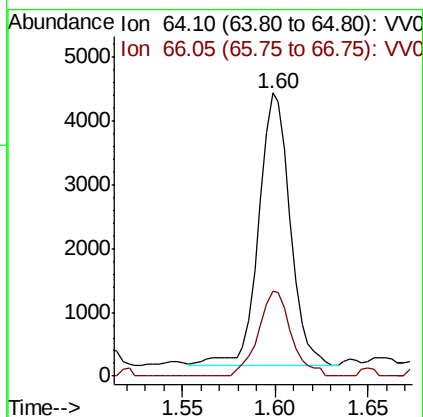
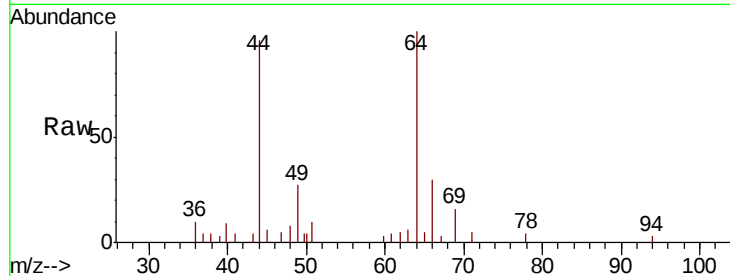




#8
Chloroethane
Concen: 0.276 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

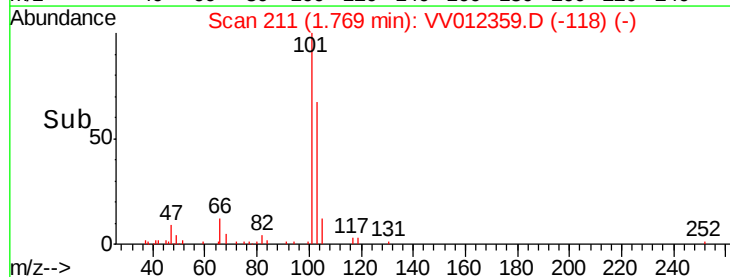
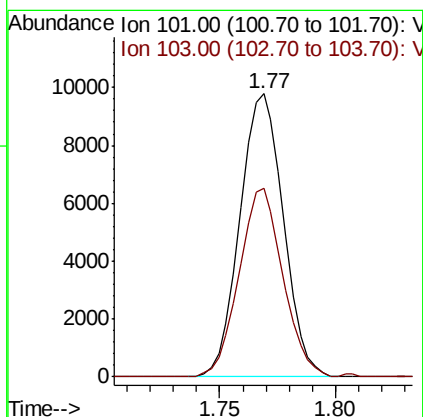
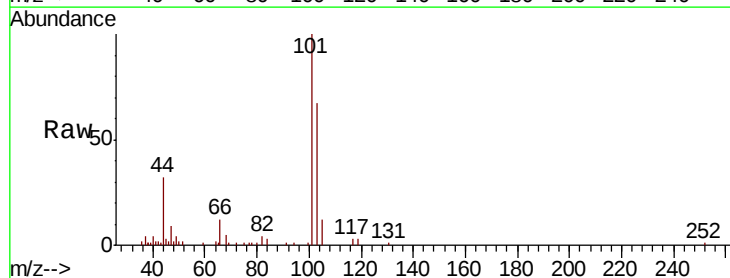
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

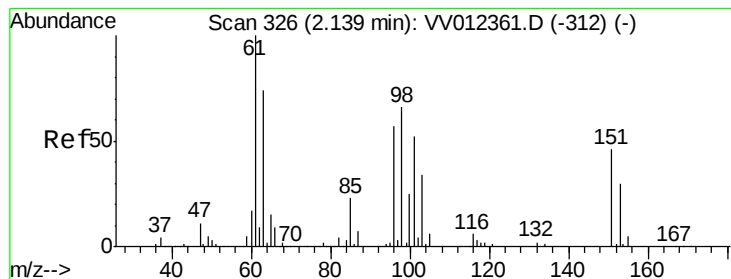
Tgt Ion: 64 Resp: 5069
Ion Ratio Lower Upper
64 100
66 30.0 23.2 43.0



#9
Trichlorofluoromethane
Concen: 0.306 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

Tgt Ion: 101 Resp: 12755
Ion Ratio Lower Upper
101 100
103 67.1 51.2 76.8





#10

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

Concen: 0.313 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

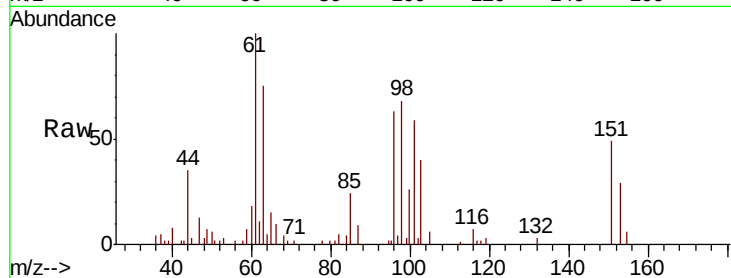
Tgt Ion: 101 Resp: 6644

Ion Ratio Lower Upper

101 100

85 44.8 34.6 51.8

151 88.0 71.2 106.8

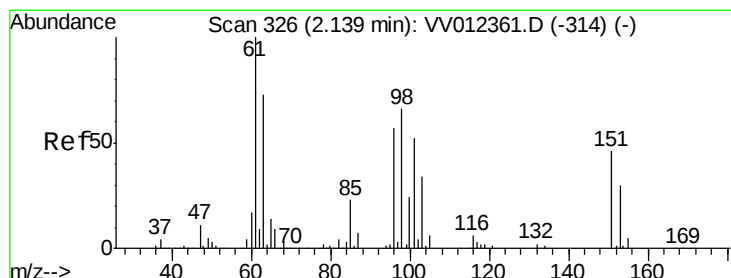
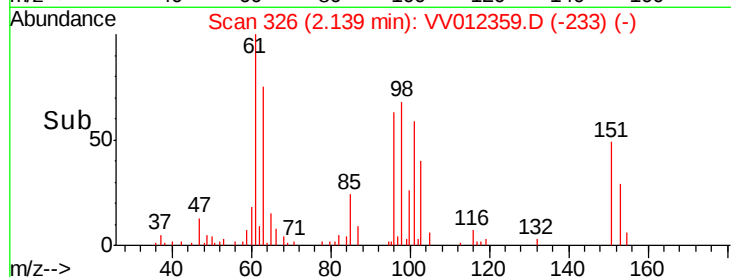
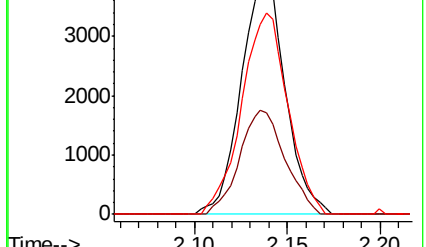


Abundance Ion 101.00 (100.70 to 101.70): VV012361.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV012361.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV012361.D (-312) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 0.317 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

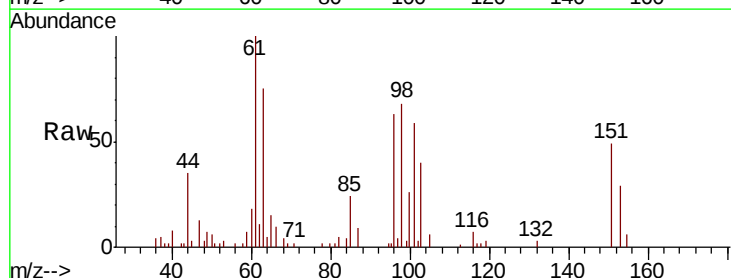
Tgt Ion: 96 Resp: 6298

Ion Ratio Lower Upper

96 100

61 159.1 122.3 227.1

63 118.6 90.6 168.2

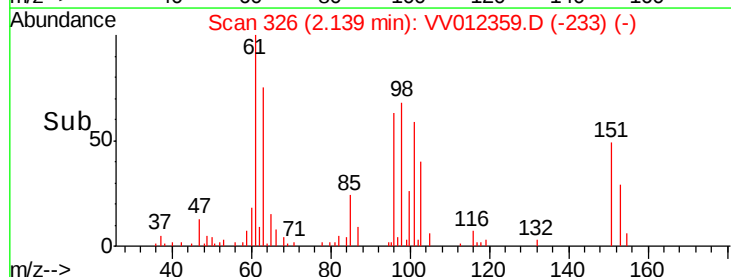
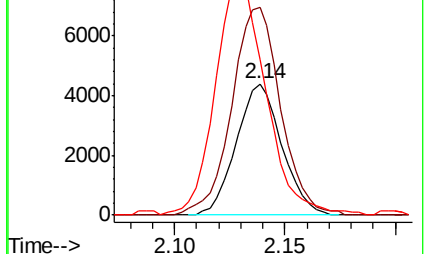


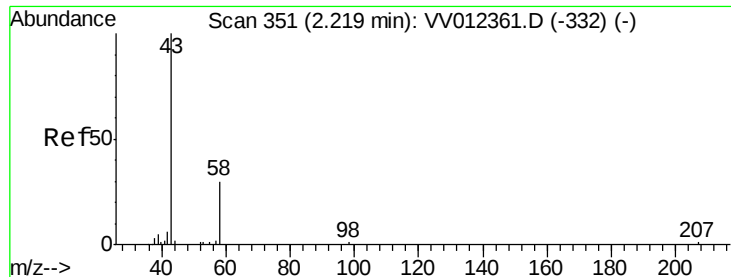
Abundance Ion 96.00 (95.70 to 96.70): VV012361.D (-314) (-)

Ion 61.05 (60.75 to 61.75): VV012361.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV012361.D (-314) (-)

Time-->





#13

Acetone

Concen: 3.097 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

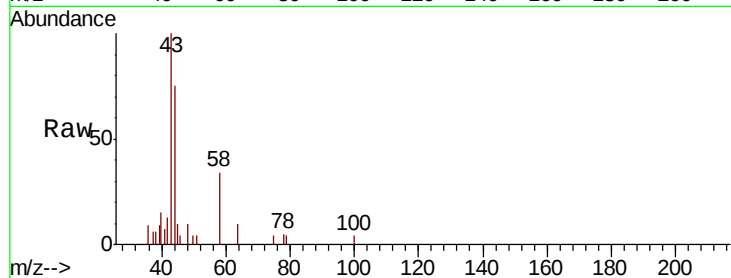
VSTD0.533

Tgt Ion: 43 Resp: 9597

Ion Ratio Lower Upper

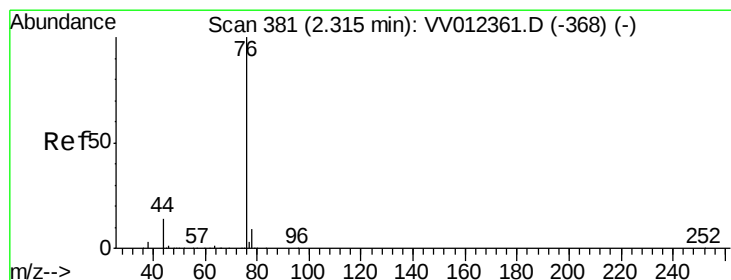
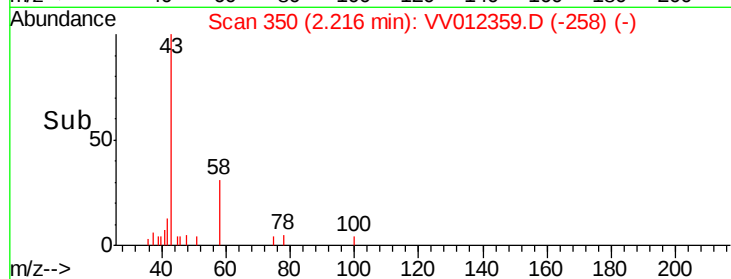
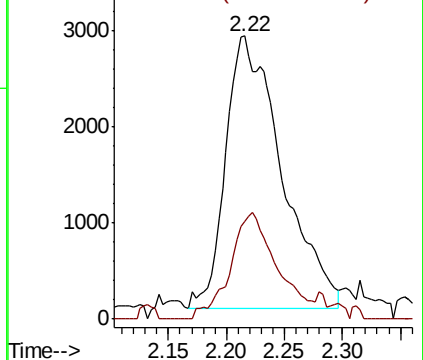
43 100

58 32.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.319 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012359.D

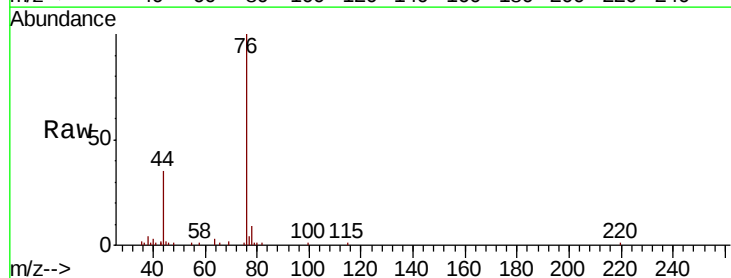
Acq: 23 Aug 2019 12:15

Tgt Ion: 76 Resp: 18689

Ion Ratio Lower Upper

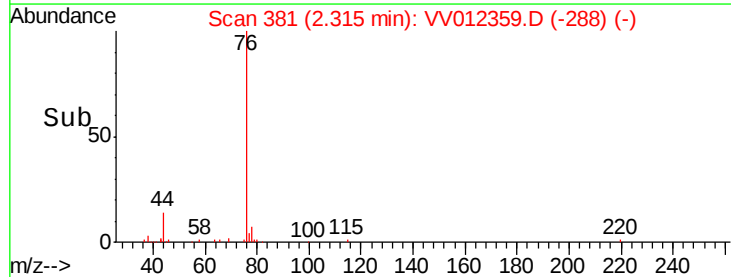
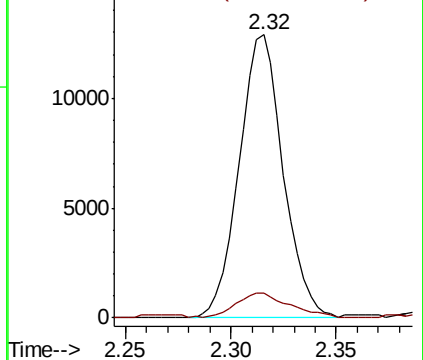
76 100

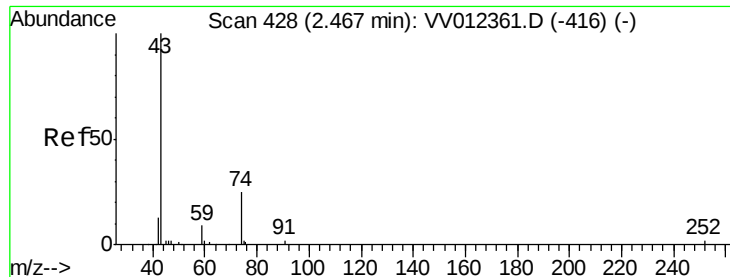
78 8.8 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

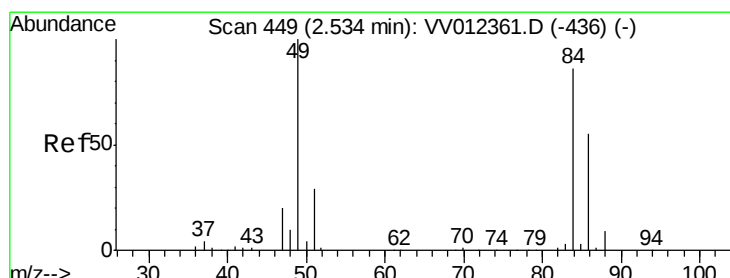
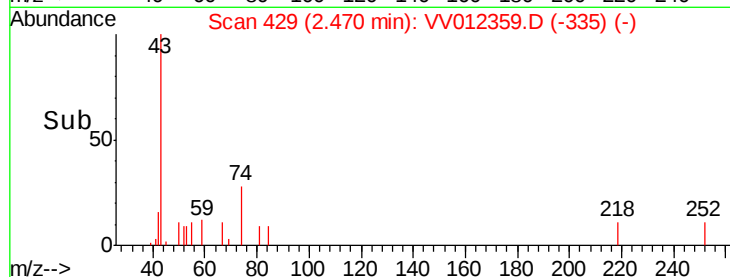
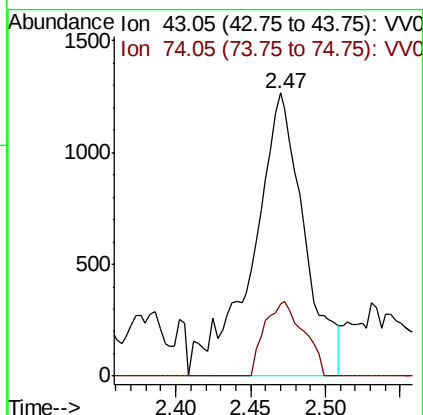
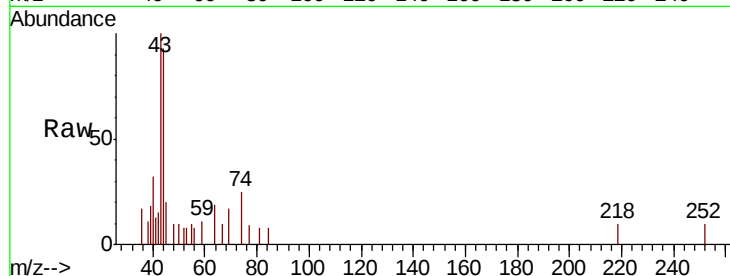




#15
Methyl Acetate
Concen: 0.391 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

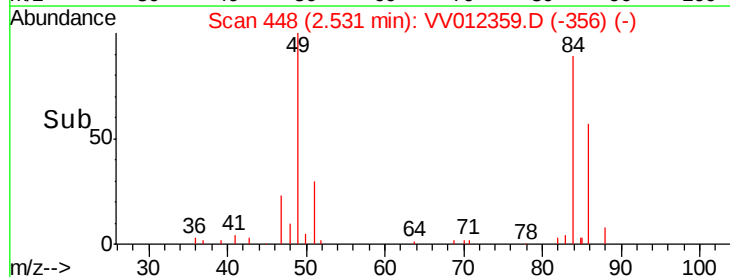
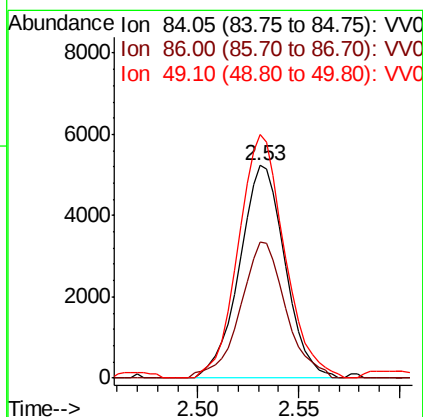
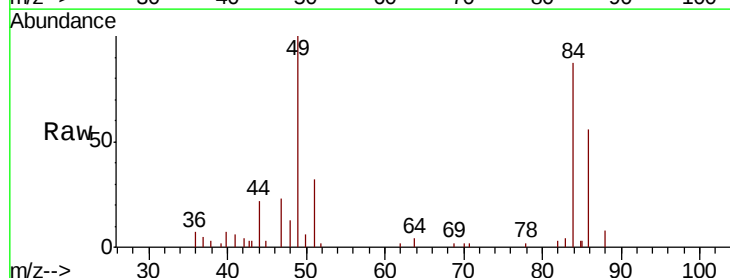
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

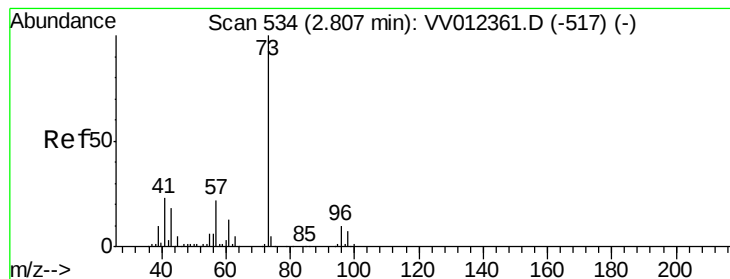
Tgt Ion: 43 Resp: 3027
Ion Ratio Lower Upper
43 100
74 19.9 21.8 32.6#



#16
Methylene chloride
Concen: 0.387 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

Tgt Ion: 84 Resp: 8285
Ion Ratio Lower Upper
84 100
86 64.0 44.9 83.5
49 114.6 81.1 150.7





#17

Methyl tert-butyl Ether

Concen: 0.317 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

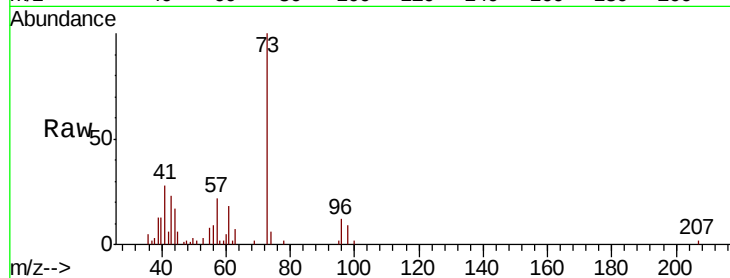
Tgt Ion: 73 Resp: 17473

Ion Ratio Lower Upper

73 100

43 19.8 15.0 22.6

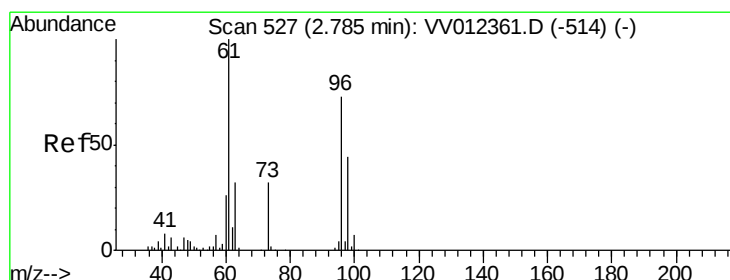
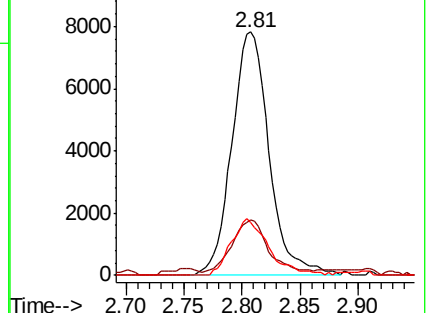
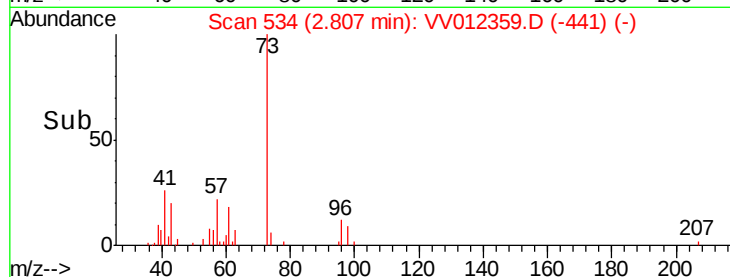
57 23.4 18.0 27.0



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: 0.351 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

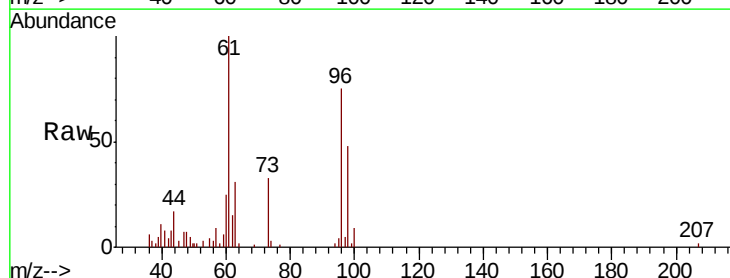
Tgt Ion: 96 Resp: 9399

Ion Ratio Lower Upper

96 100

61 133.7 96.0 178.4

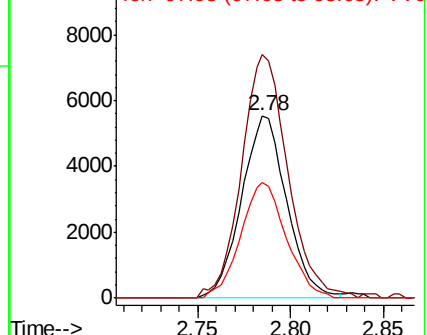
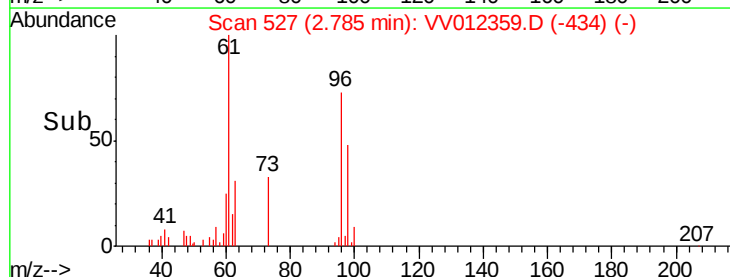
98 63.8 42.1 78.3

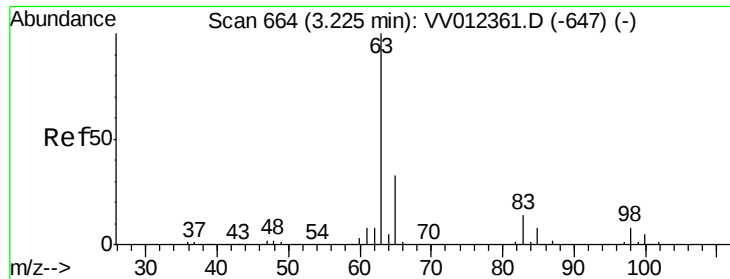


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

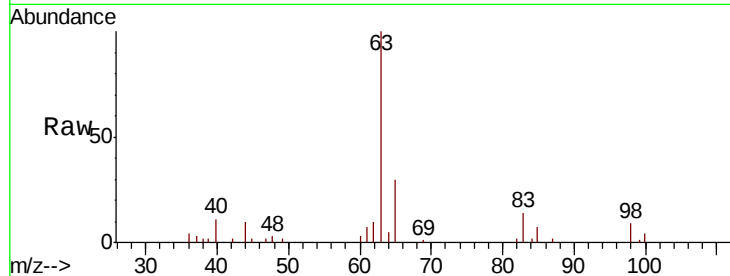




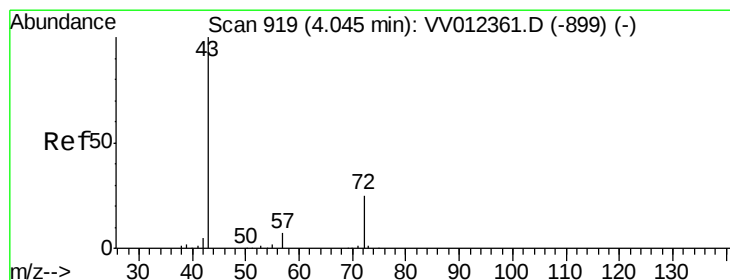
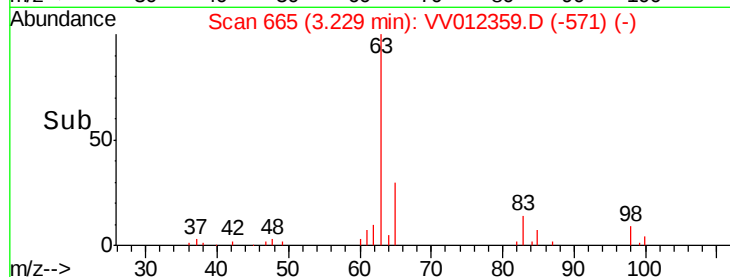
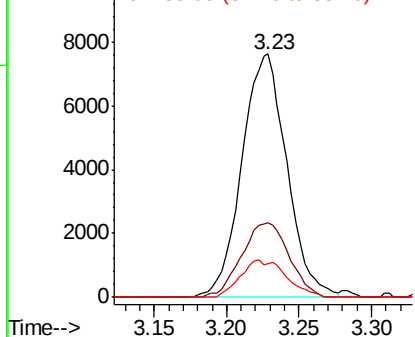
#19
 1,1-Dichloroethane
 Concen: 0.336 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion: 63 Resp: 16413
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.1 42.9
 83 13.9 9.4 17.6

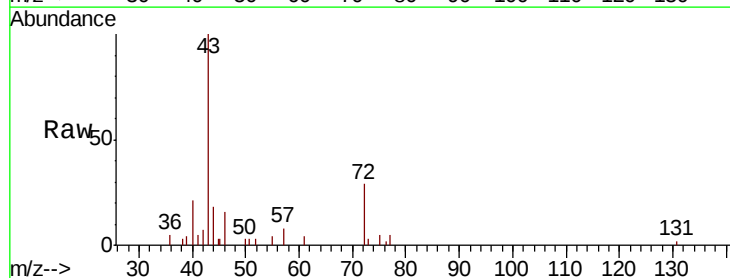


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

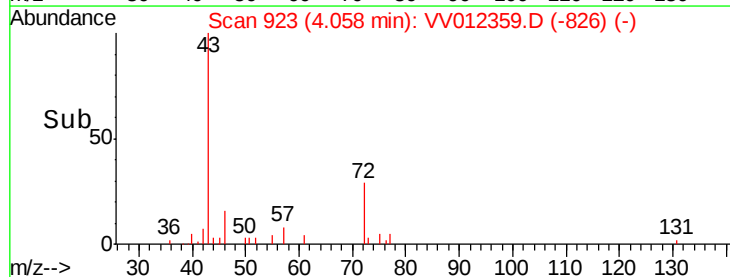
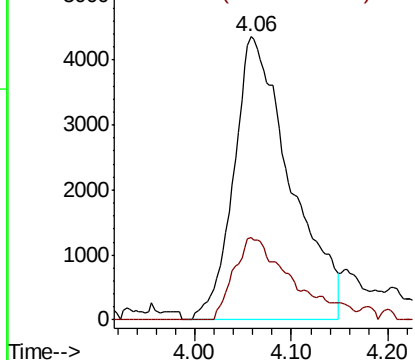


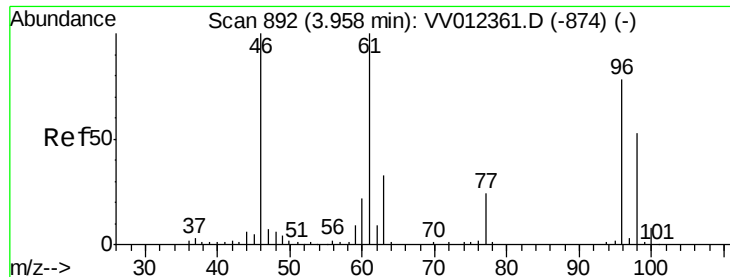
#21
 2-Butanone
 Concen: 2.819 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Tgt Ion: 43 Resp: 17809
 Ion Ratio Lower Upper
 43 100
 72 30.0 12.2 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



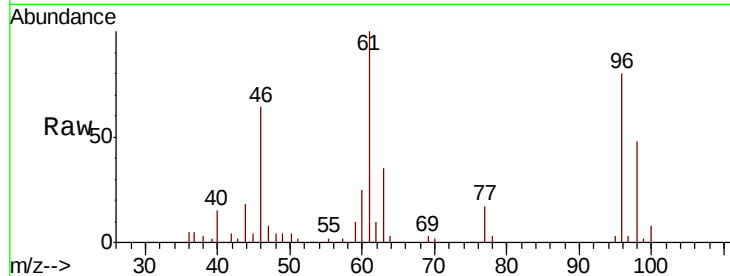


#22

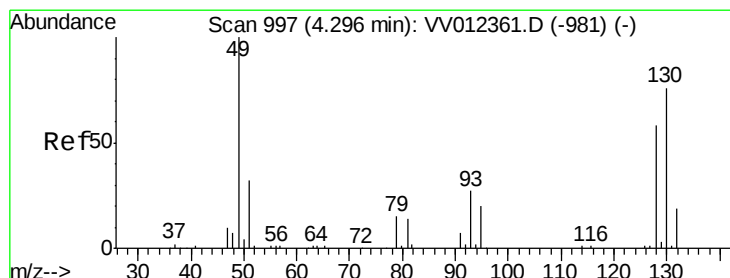
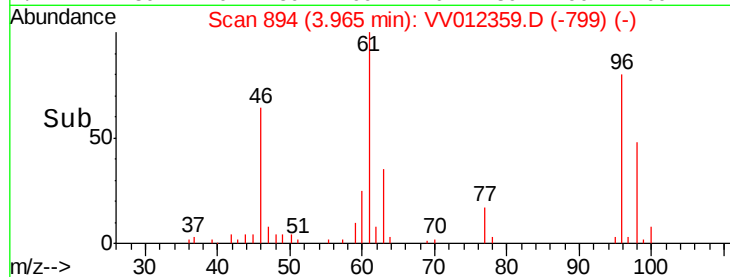
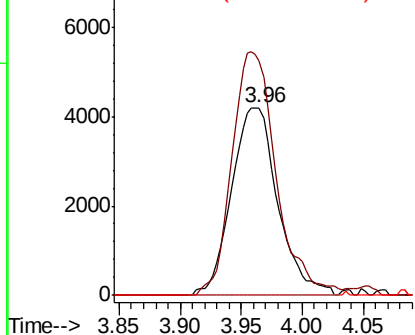
cis-1,2-Dichloroethene
Concen: 0.380 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Tgt Ion: 96 Resp: 11048
Ion Ratio Lower Upper
96 100
61 124.9 89.4 166.0
68 0.0 0.0 0.0



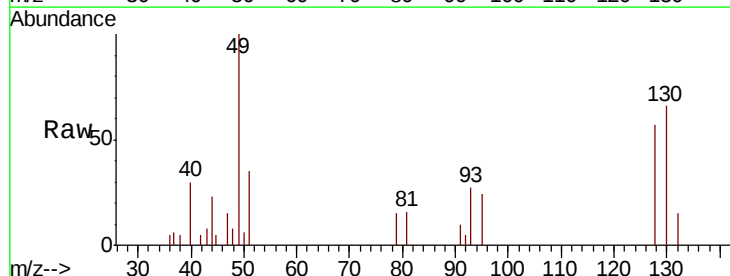
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



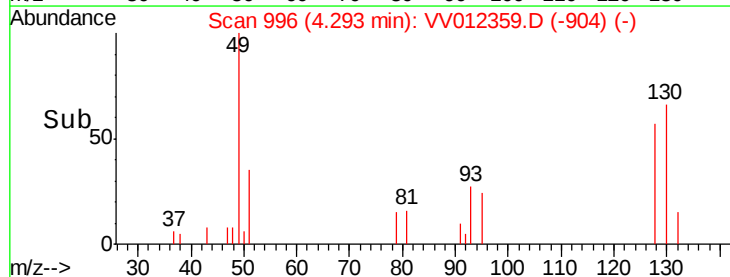
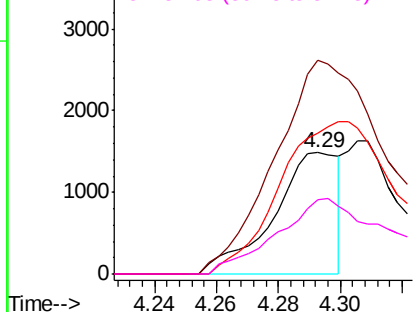
#23

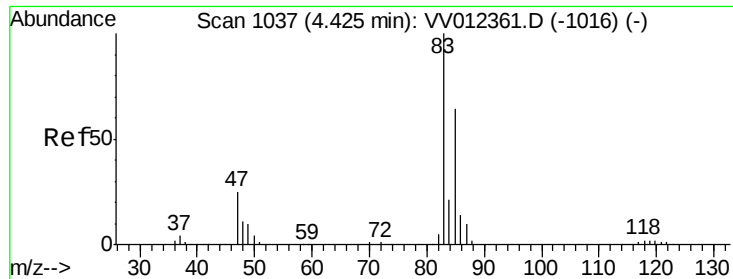
Bromochloromethane
Concen: 0.176 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

Tgt Ion: 128 Resp: 2174
Ion Ratio Lower Upper
128 100
49 176.4 120.7 224.1
130 116.5 91.5 169.9
51 61.8 44.3 66.5



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

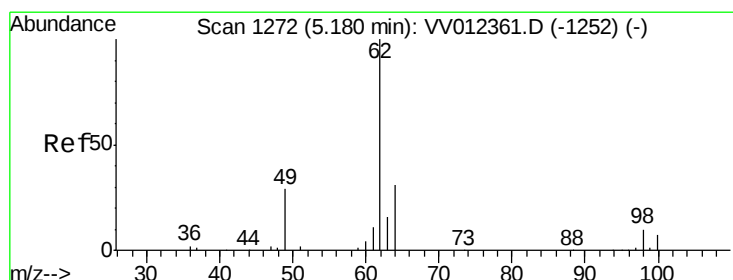
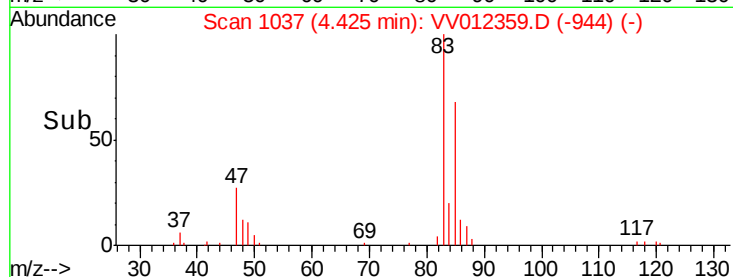
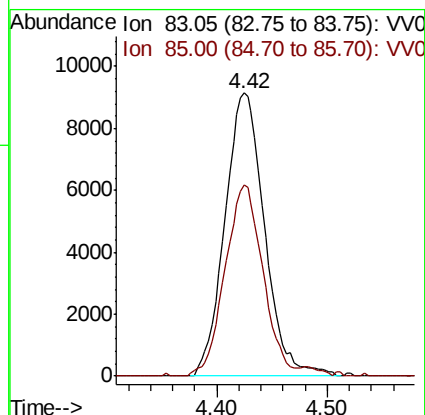
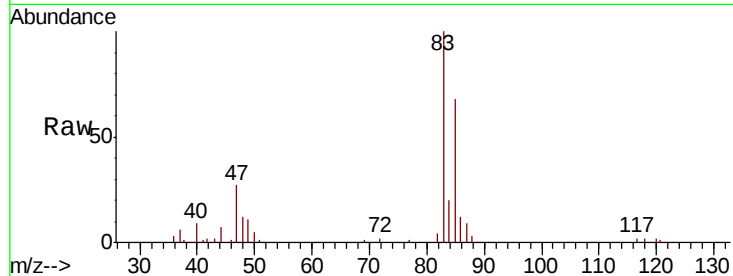




#25
Chloroform
Concen: 0.412 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

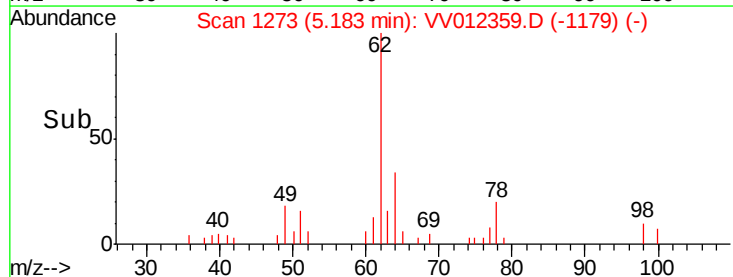
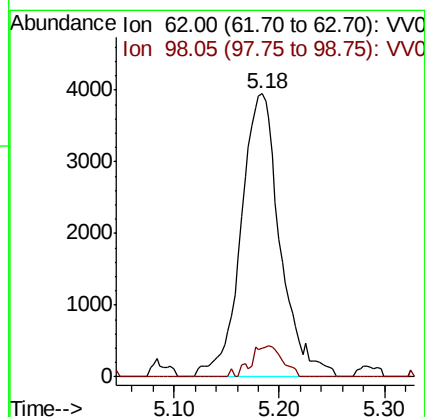
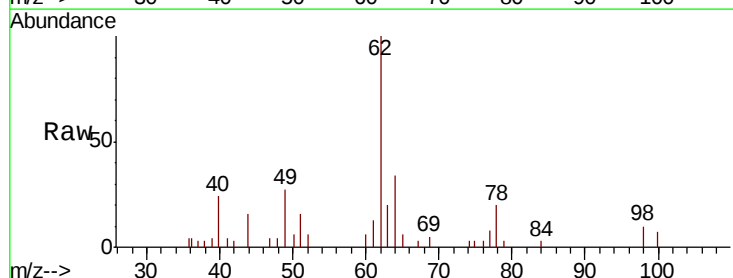
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

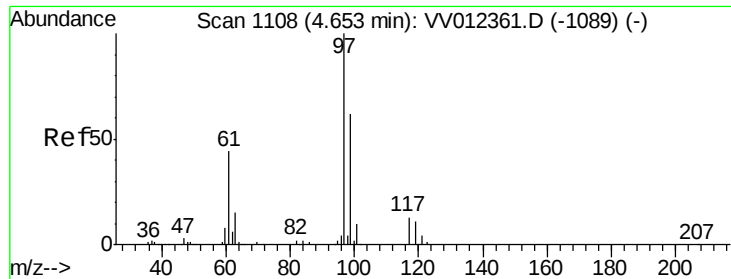
Tgt Ion: 83 Resp: 22758
Ion Ratio Lower Upper
83 100
85 67.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.340 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

Tgt Ion: 62 Resp: 10200
Ion Ratio Lower Upper
62 100
98 10.1 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 0.336 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

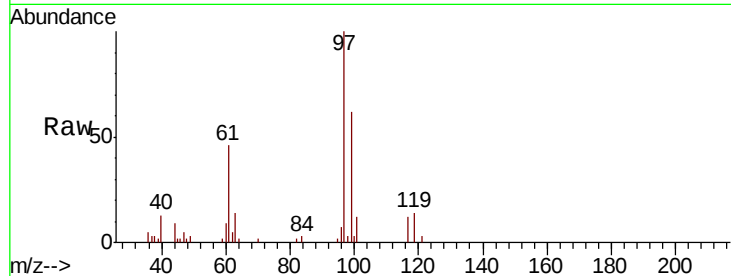
Tgt Ion: 97 Resp: 14707

Ion Ratio Lower Upper

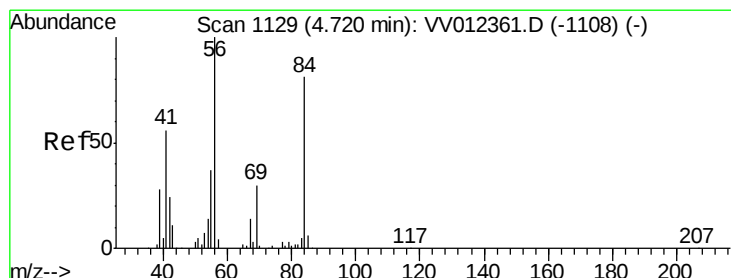
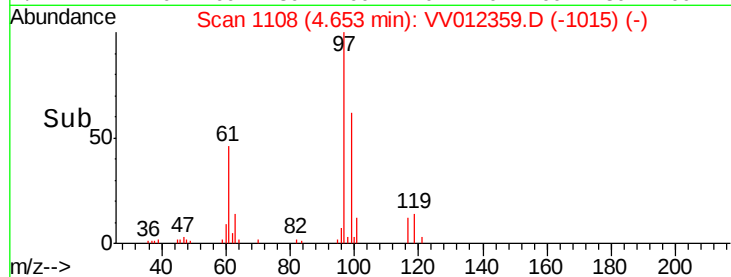
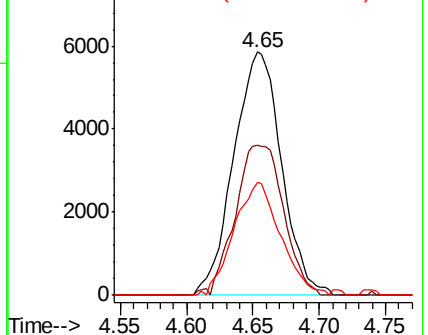
97 100

99 62.5 50.5 75.7

61 45.2 35.4 53.2



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: 0.320 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

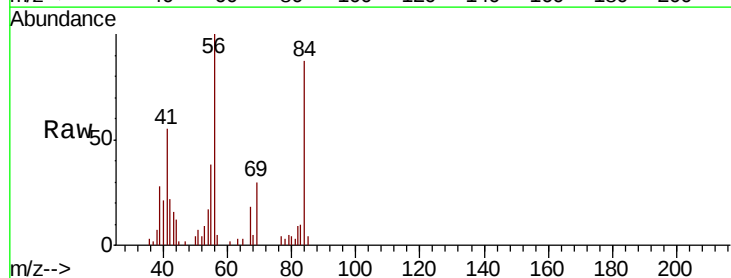
Tgt Ion: 56 Resp: 13997

Ion Ratio Lower Upper

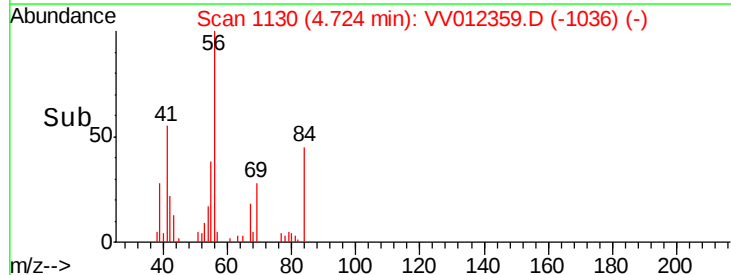
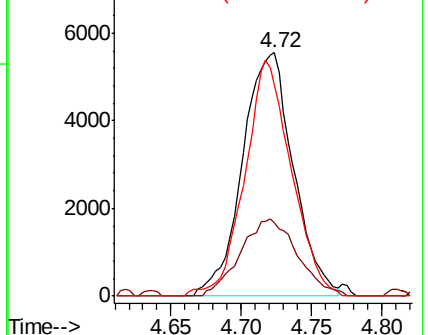
56 100

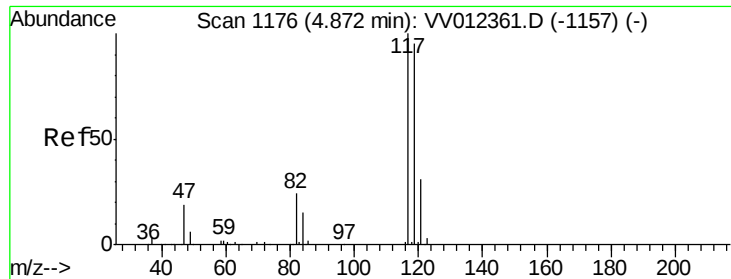
69 35.5 24.0 36.0

84 88.6 67.9 101.9



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

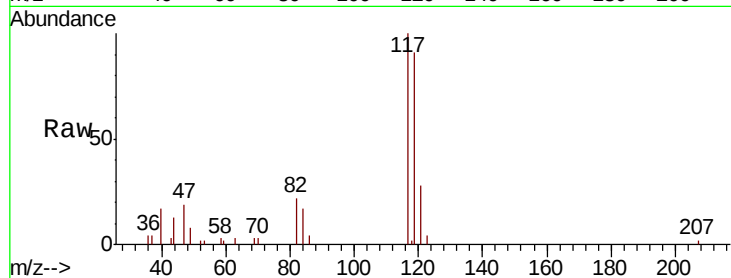




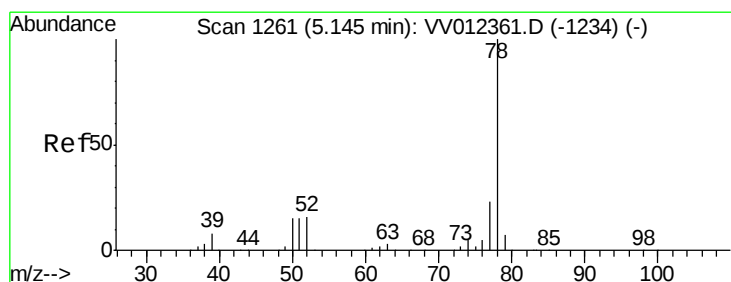
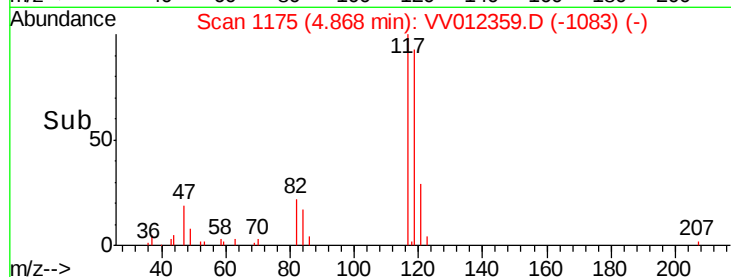
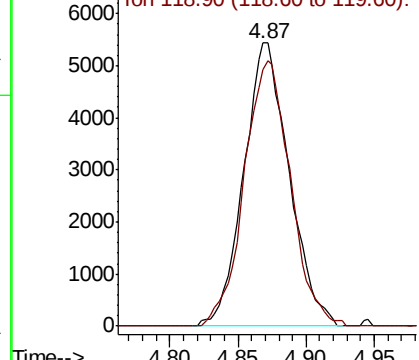
#31
Carbon tetrachloride
Concen: 0.320 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Tgt Ion:117 Resp: 12592
Ion Ratio Lower Upper
117 100
119 95.0 77.8 116.8

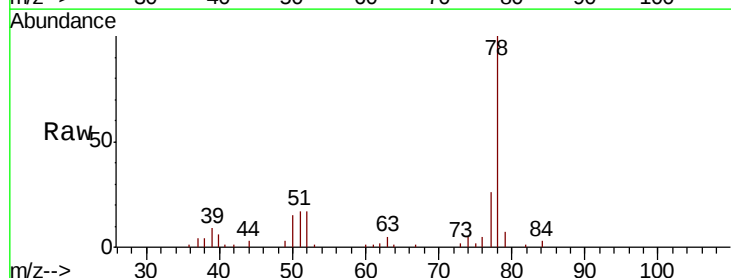


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

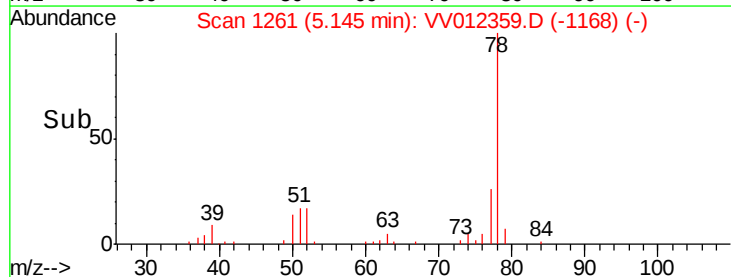
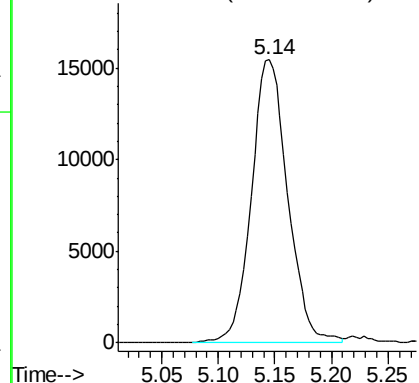


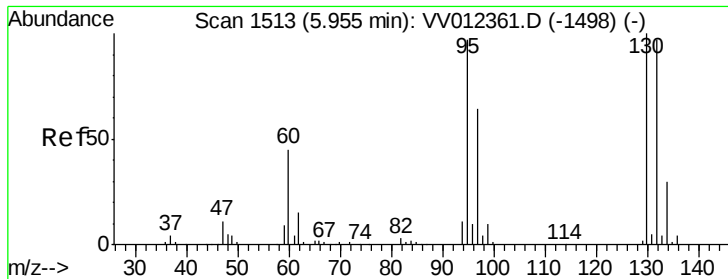
#33
Benzene
Concen: 0.319 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

Tgt Ion: 78 Resp: 34635



Abundance Ion 78.10 (77.80 to 78.80): VV0

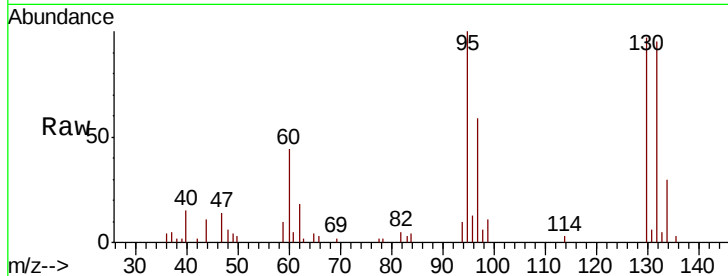




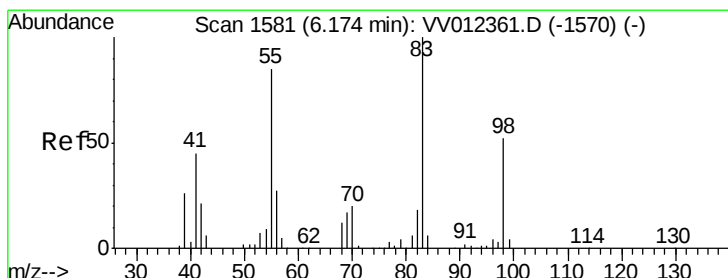
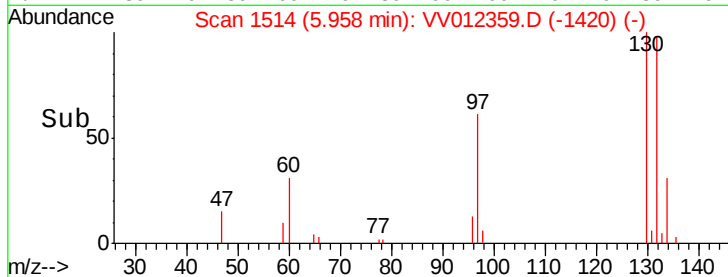
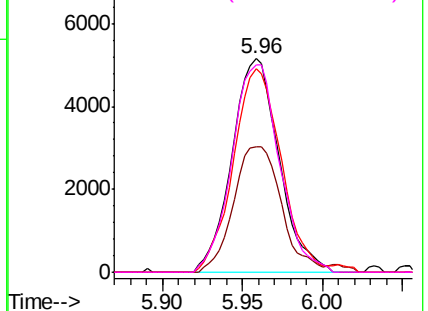
#34
 Trichloroethene
 Concen: 0.352 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion: 95 Resp: 10348
 Ion Ratio Lower Upper
 95 100
 97 59.0 46.3 86.1
 132 95.1 70.3 130.7
 130 96.9 72.4 134.5

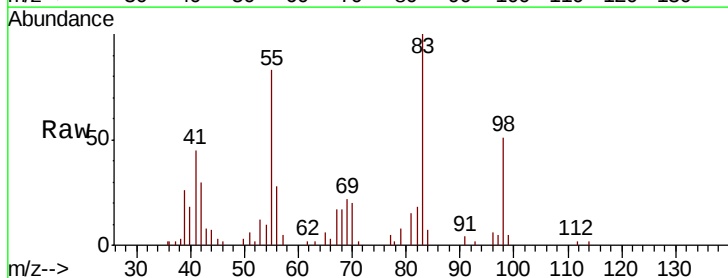


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

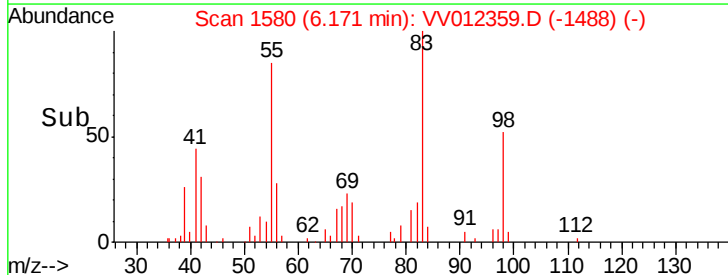
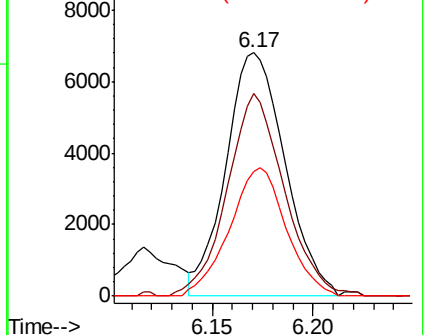


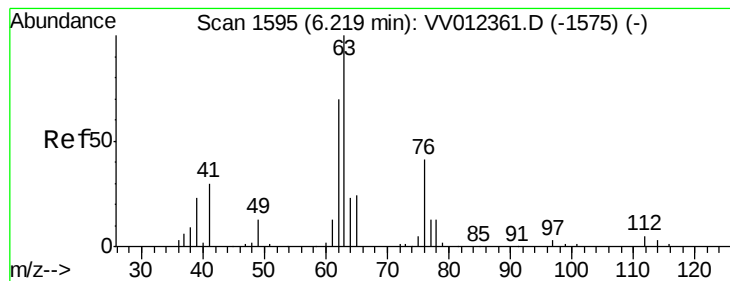
#35
 Methylcyclohexane
 Concen: 0.308 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Tgt Ion: 83 Resp: 13924
 Ion Ratio Lower Upper
 83 100
 55 80.3 64.6 97.0
 98 50.6 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.346 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

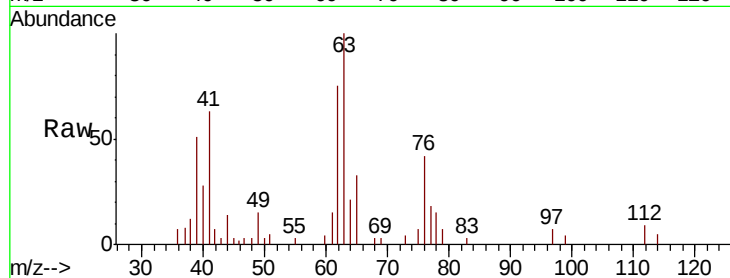
VSTD0.533

Tgt Ion: 63 Resp: 9382

Ion Ratio Lower Upper

63 100

112 6.5 4.2 6.2#



Abundance Ion 63.10 (62.80 to 63.80): VV012361.D (-1575) (-)

Ion 112.10 (111.80 to 112.80): VV012361.D (-1575) (-)

5000

4000

3000

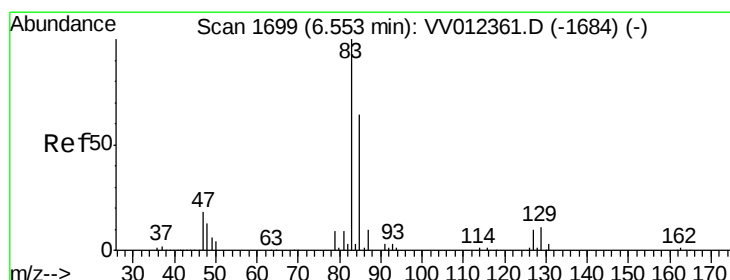
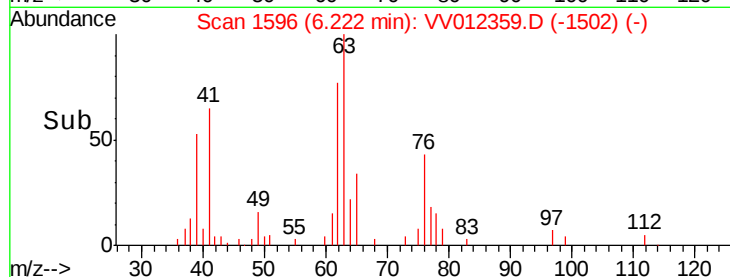
2000

1000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 0.330 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

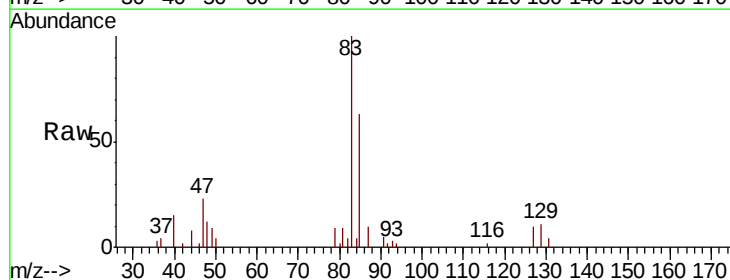
Tgt Ion: 83 Resp: 11486

Ion Ratio Lower Upper

83 100

85 63.1 45.0 83.6

127 9.9 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VV012361.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV012361.D (-1684) (-)

Ion 126.90 (126.60 to 127.60): VV012361.D (-1684) (-)

8000

6000

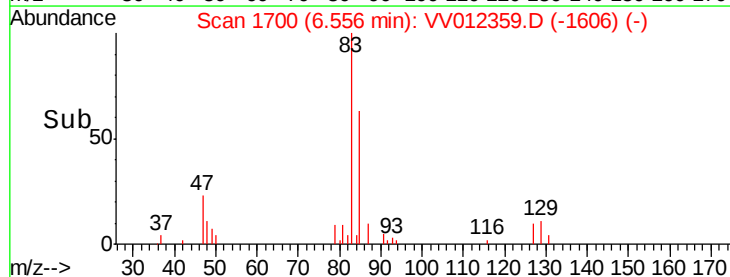
4000

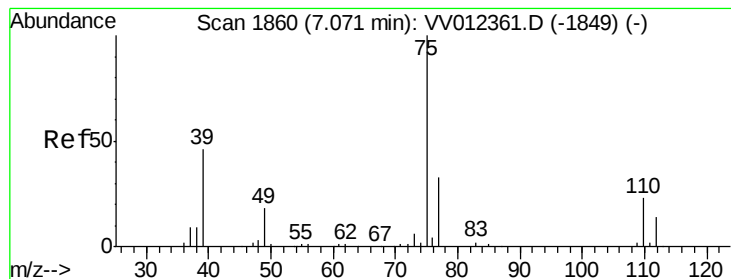
2000

0

6.50 6.55 6.60 6.65

Time-->



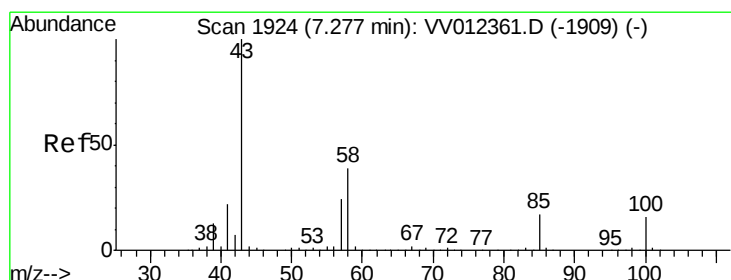
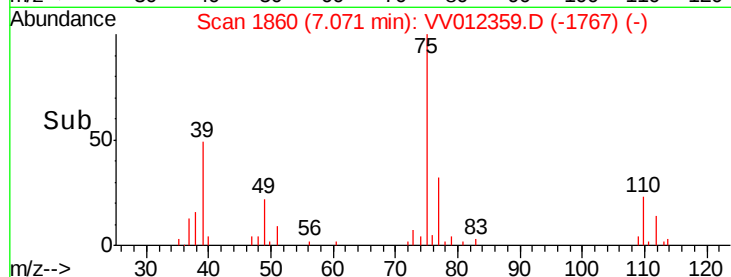
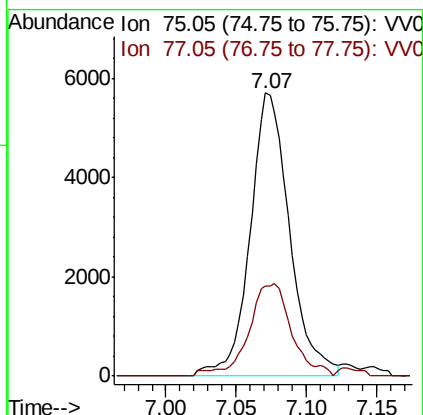
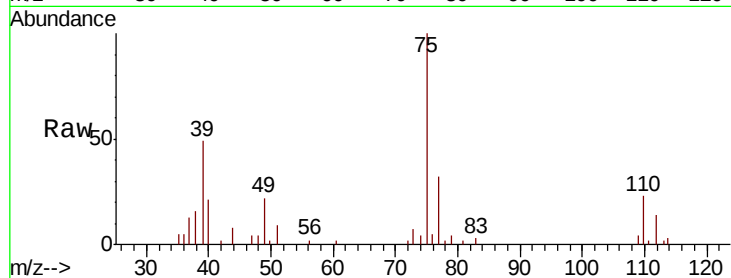


#39

cis-1,3-Dichloropropene
 Concen: 0.305 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

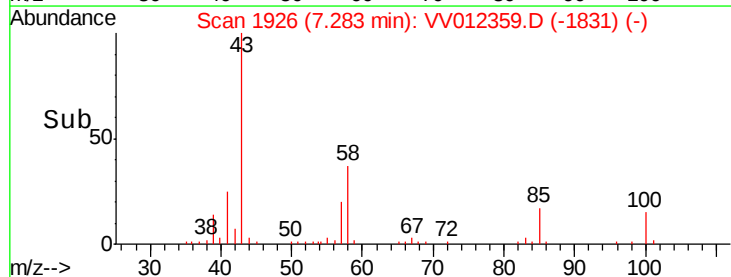
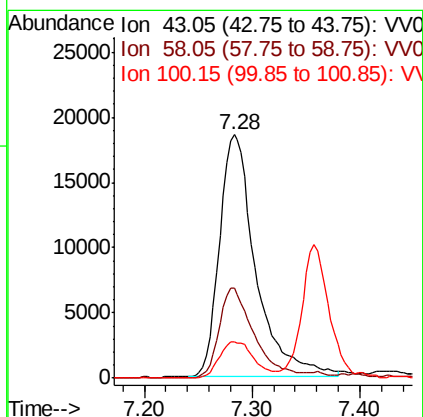
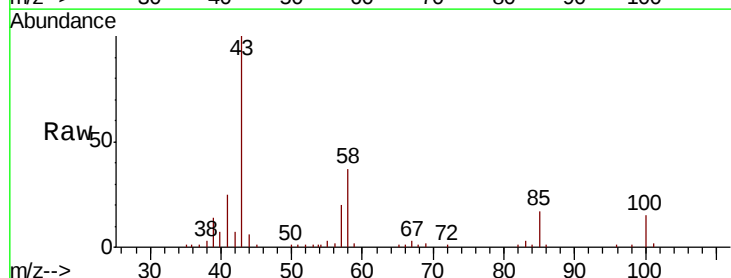
Tgt Ion: 75 Resp: 11190
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.2 43.2

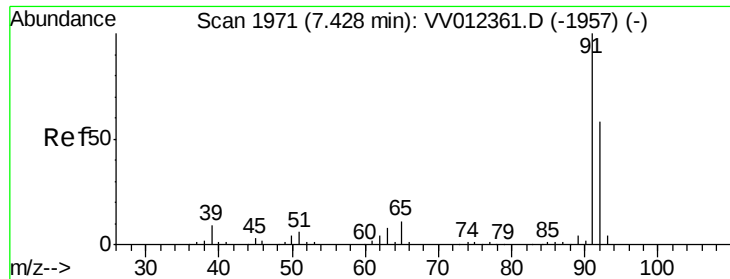


#40

4-Methyl-2-pentanone
 Concen: 2.922 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Tgt Ion: 43 Resp: 43167
 Ion Ratio Lower Upper
 43 100
 58 35.9 30.7 46.1
 100 14.4 11.8 17.6





#42

Toluene

Concen: 0.299 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

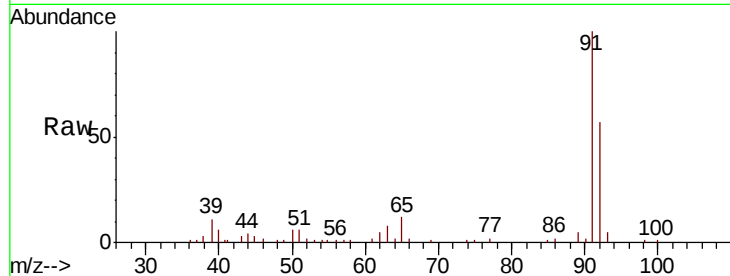
VSTD0.533

Tgt Ion: 91 Resp: 34184

Ion Ratio Lower Upper

91 100

92 57.3 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

20000

15000

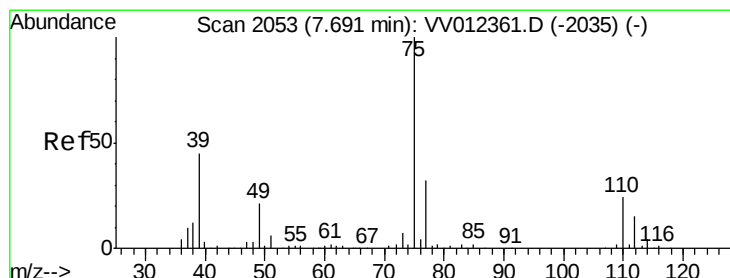
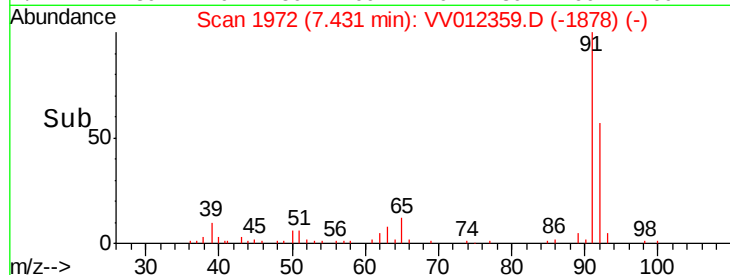
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.276 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012359.D

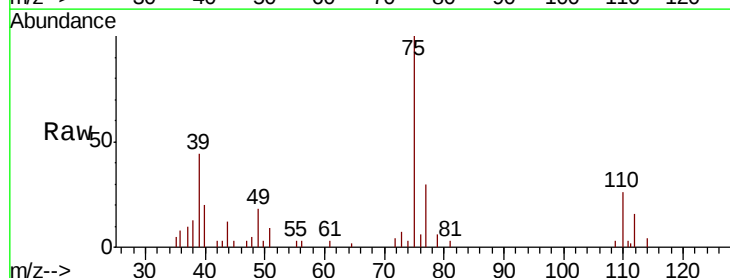
Acq: 23 Aug 2019 12:15

Tgt Ion: 75 Resp: 8061

Ion Ratio Lower Upper

75 100

77 29.8 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

5000

4000

3000

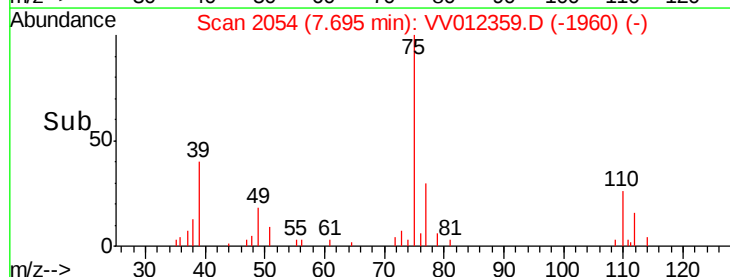
2000

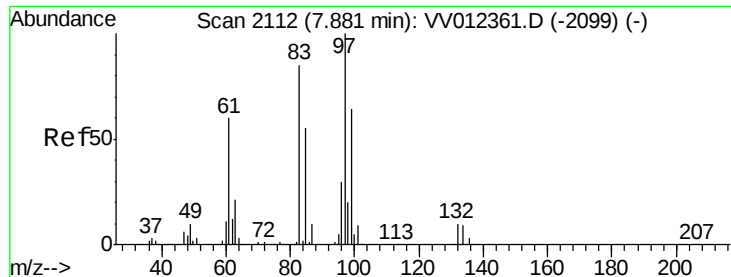
1000

0

Time-->

7.65 7.70 7.75

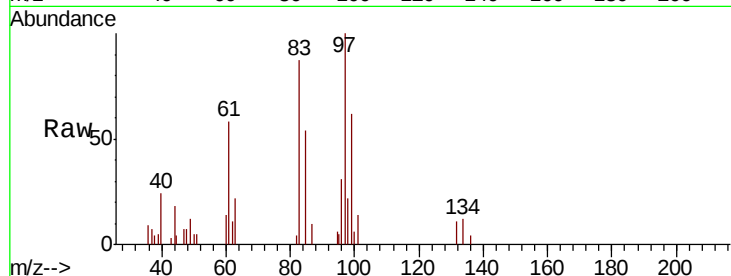




#45
 1,1,2-Trichloroethane
 Concen: 0.327 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion:	97	Resp:	5861
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.0	83.6
83	86.5	59.3	110.1
85	54.3	38.8	72.0



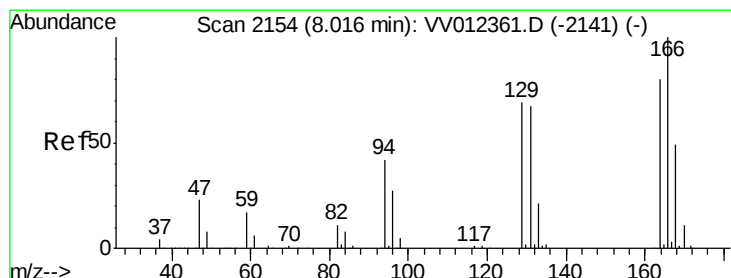
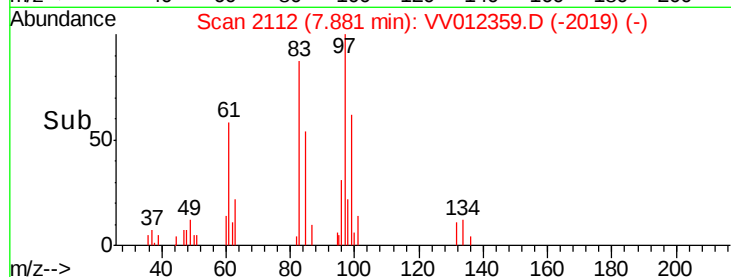
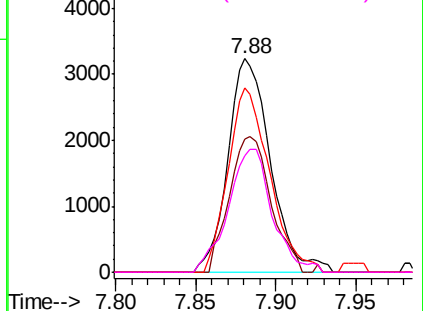
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

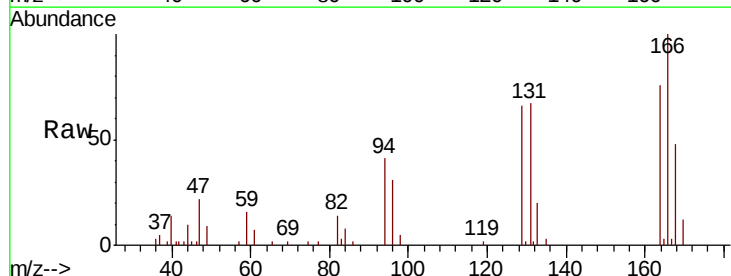
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.327 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Tgt Ion:	164	Resp:	7857
Ion	Ratio	Lower	Upper
164	100		
129	87.6	60.6	112.6
131	88.2	58.8	109.2
166	132.4	87.6	162.8



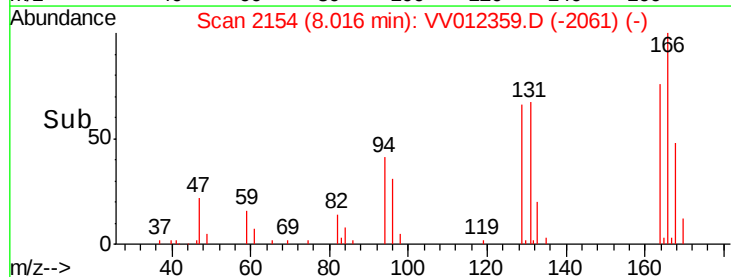
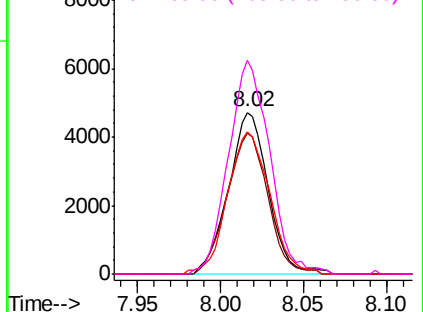
Abundance

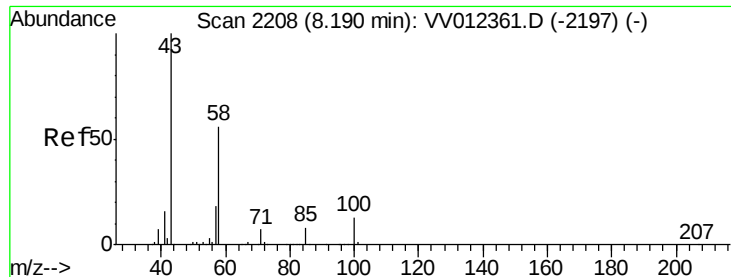
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

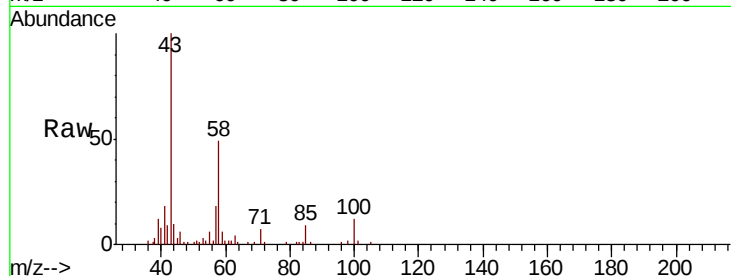




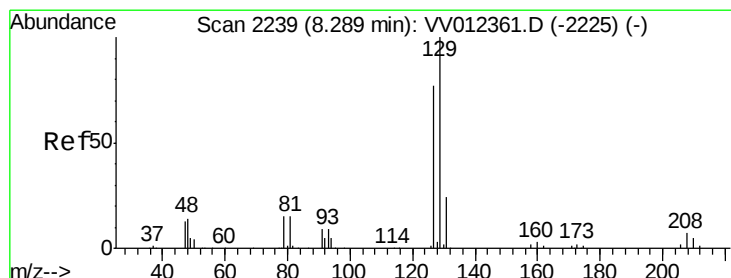
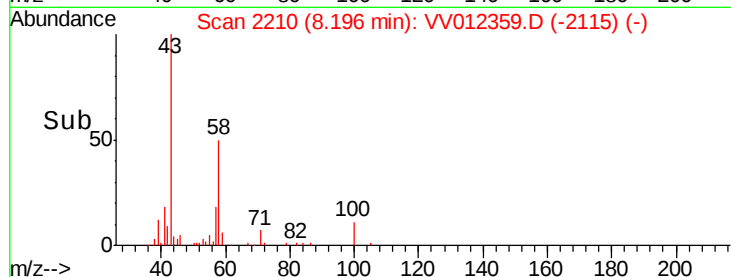
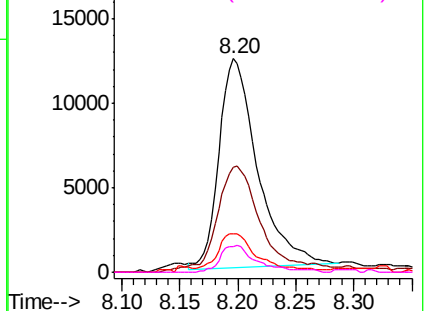
#48
2-Hexanone
Concen: 2.777 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Tgt Ion:	43	Resp:	28923
Ion	Ratio	Lower	Upper
43	100		
58	55.9	46.3	69.5
57	19.4	14.9	22.3
100	12.3	9.7	14.5

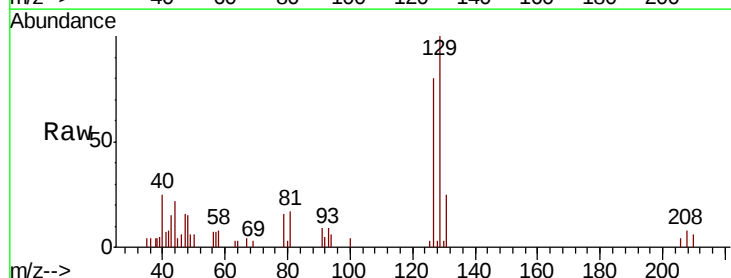


Abundance Ion 43.05 (42.75 to 43.75): VV012359.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV012359.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV012359.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV012359.D (-2115) (-)

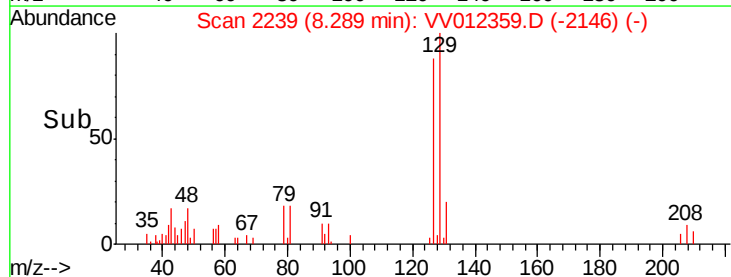
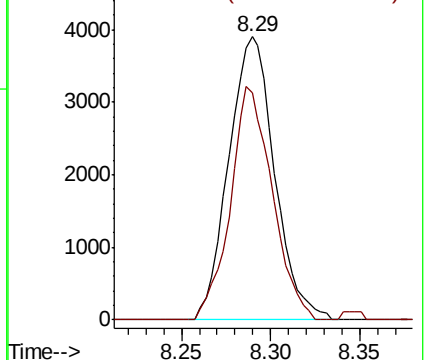


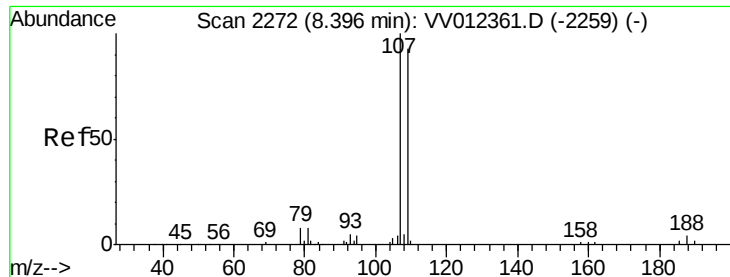
#49
Dibromochloromethane
Concen: 0.315 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012359.D
Acq: 23 Aug 2019 12:15

Tgt Ion:	129	Resp:	6995
Ion	Ratio	Lower	Upper
129	100		
127	80.1	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): VV012359.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012359.D (-2146) (-)

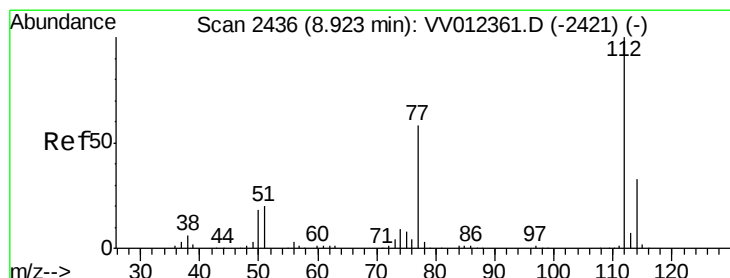
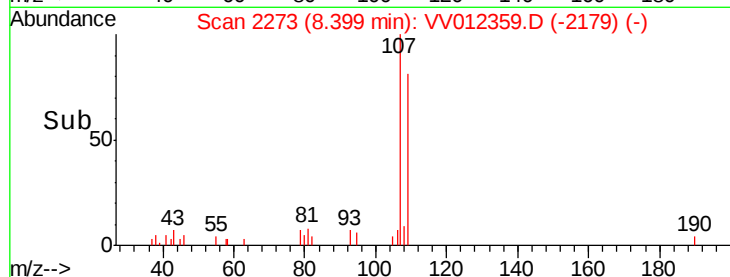
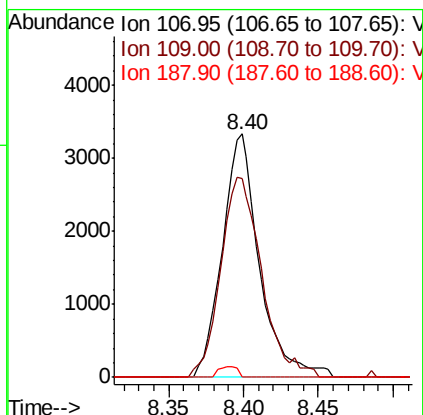
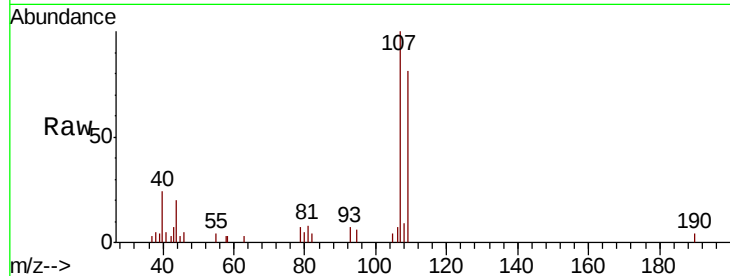




#50
 1,2-Dibromoethane
 Concen: 0.332 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

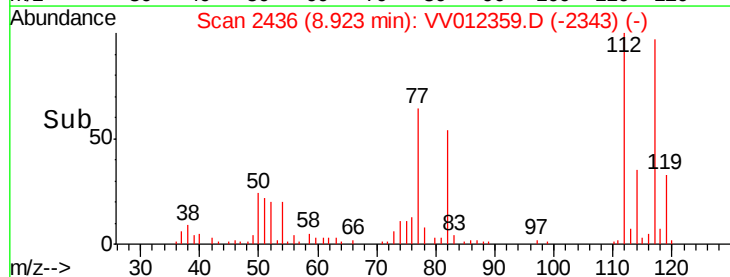
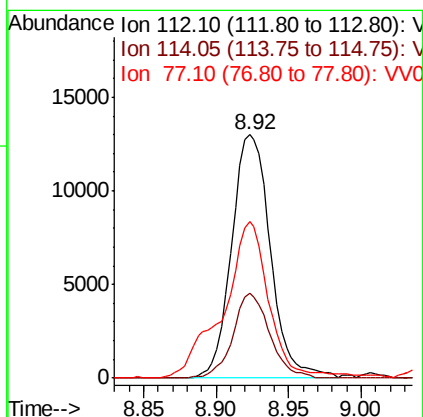
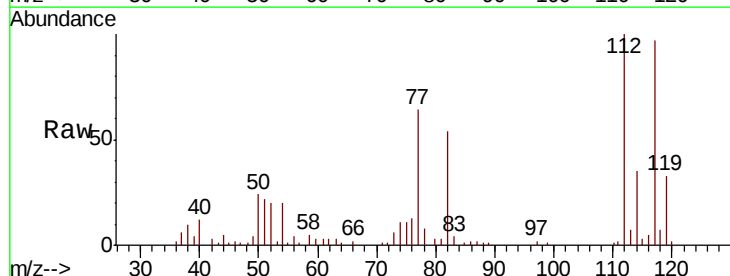
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

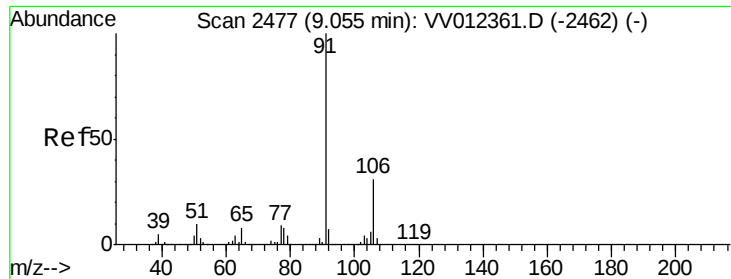
Tgt Ion:107 Resp: 5740
 Ion Ratio Lower Upper
 107 100
 109 81.4 64.9 120.5
 188 0.0 3.5 5.3#



#51
 Chlorobenzene
 Concen: 0.326 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Tgt Ion:112 Resp: 24150
 Ion Ratio Lower Upper
 112 100
 114 34.8 23.0 42.6
 77 64.3 46.4 69.6





#52

Ethylbenzene

Concen: 0.302 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

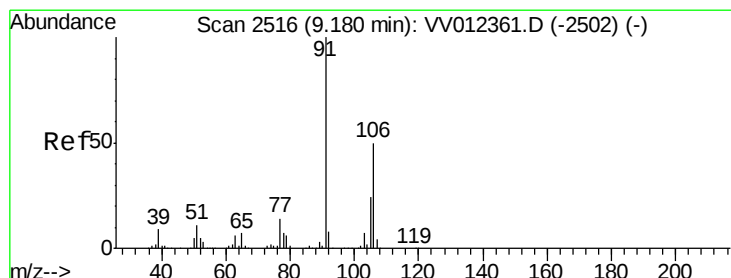
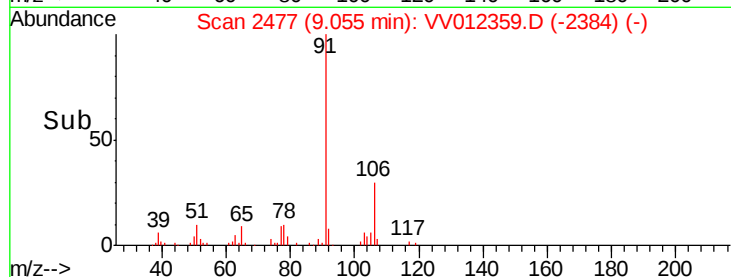
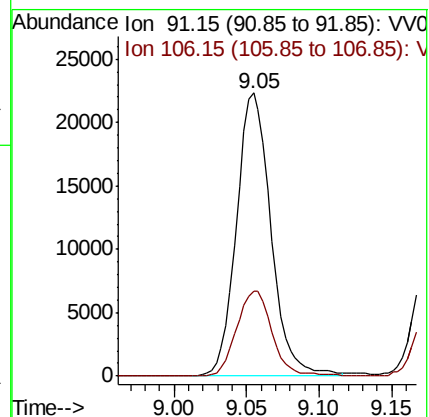
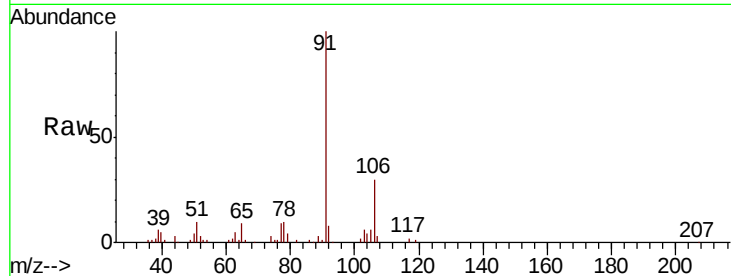
VSTD0.533

Tgt Ion: 91 Resp: 36898

Ion Ratio Lower Upper

91 100

106 30.1 21.7 40.3



#53

m,p-xylene

Concen: 0.281 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012359.D

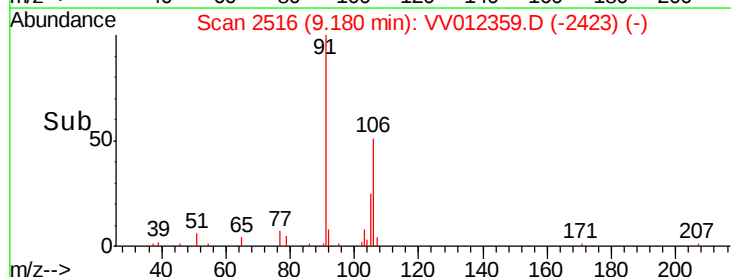
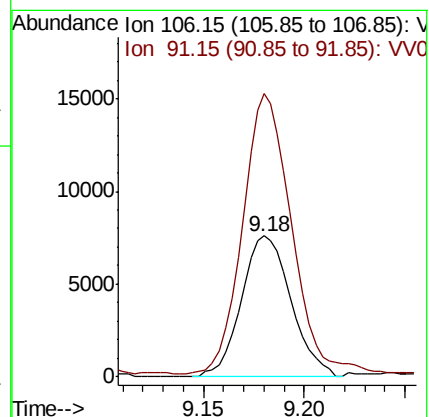
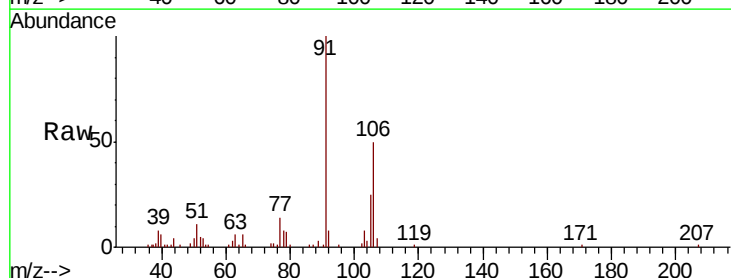
Acq: 23 Aug 2019 12:15

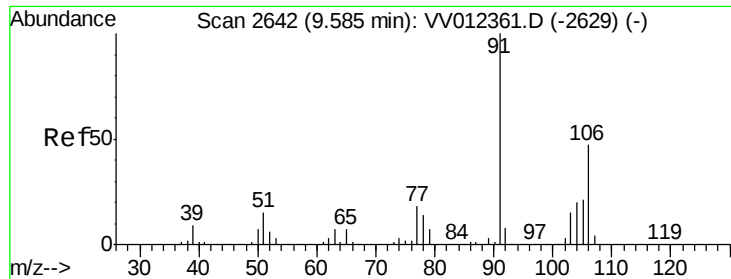
Tgt Ion: 106 Resp: 13084

Ion Ratio Lower Upper

106 100

91 200.7 140.8 261.4





#54

o-xylene

Concen: 0.286 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

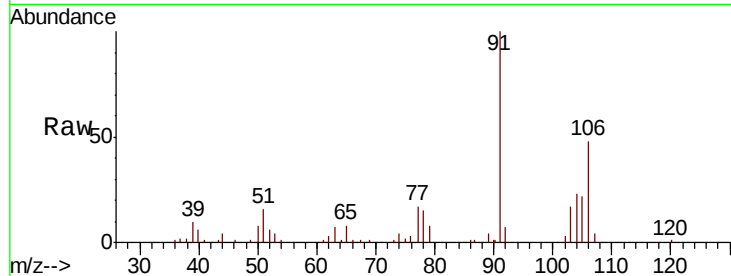
VSTD0.533

Tgt Ion:106 Resp: 12647

Ion Ratio Lower Upper

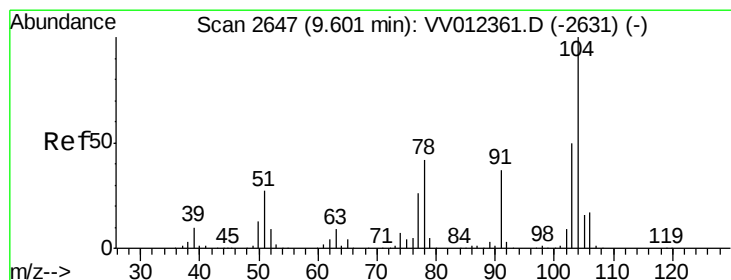
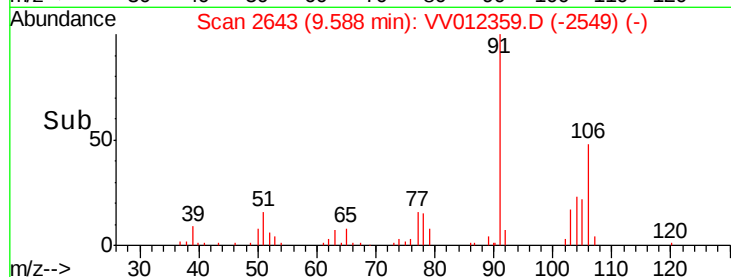
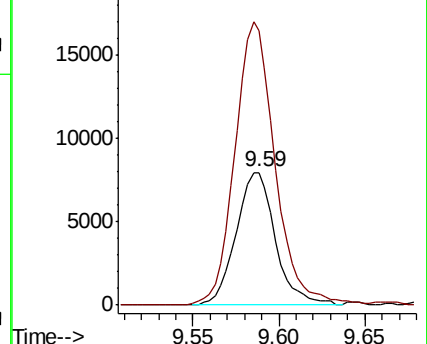
106 100

91 206.8 149.5 277.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.250 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012359.D

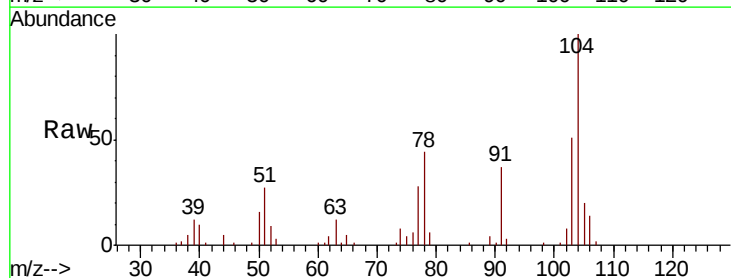
Acq: 23 Aug 2019 12:15

Tgt Ion:104 Resp: 18482

Ion Ratio Lower Upper

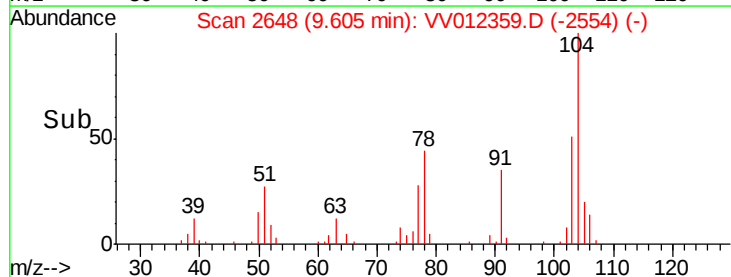
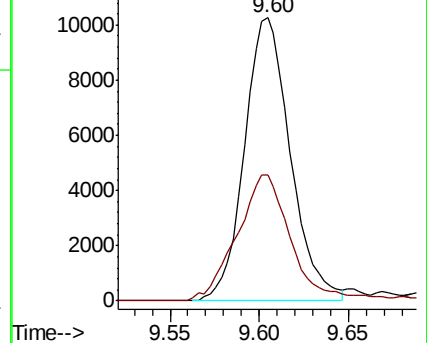
104 100

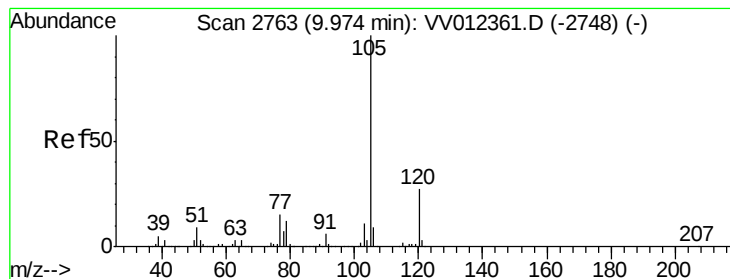
78 44.4 29.8 55.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.290 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

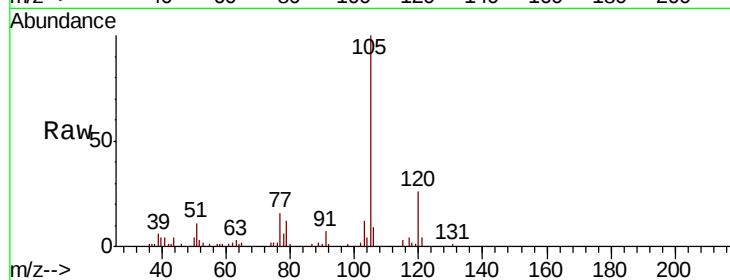
Tgt Ion:105 Resp: 34347

Ion Ratio Lower Upper

105 100

120 25.8 21.5 32.3

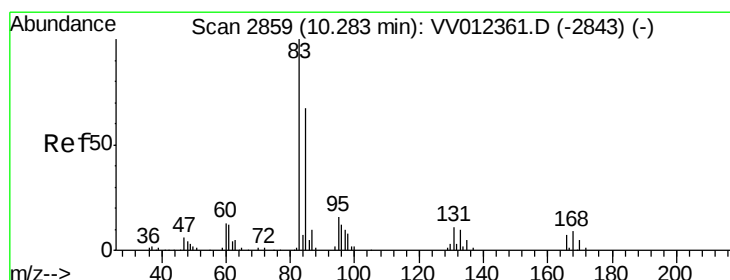
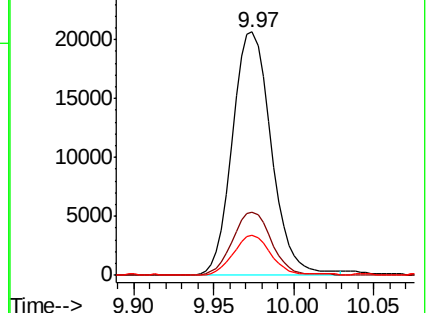
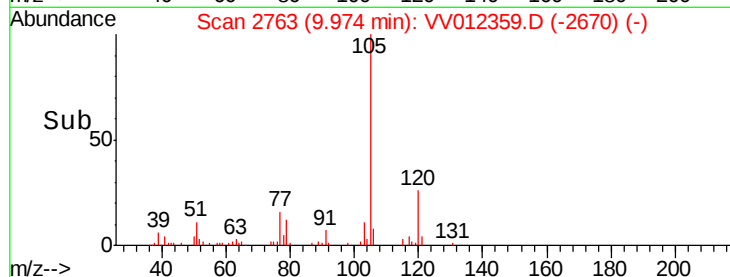
77 15.6 12.5 18.7



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: 0.279 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

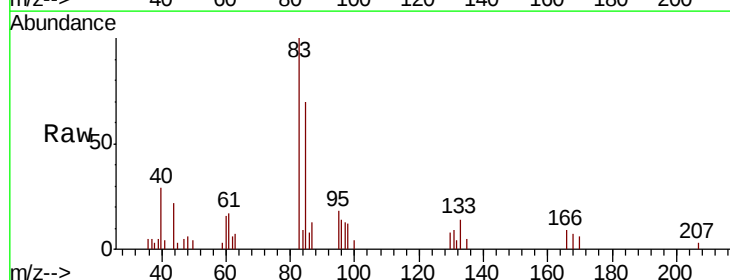
Tgt Ion: 83 Resp: 5746

Ion Ratio Lower Upper

83 100

85 69.7 46.5 86.5

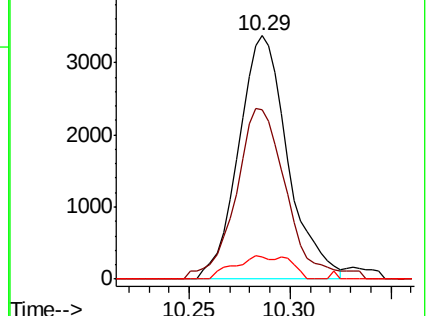
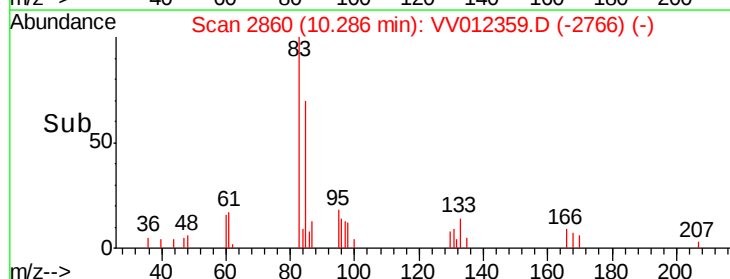
131 9.2 8.9 13.3

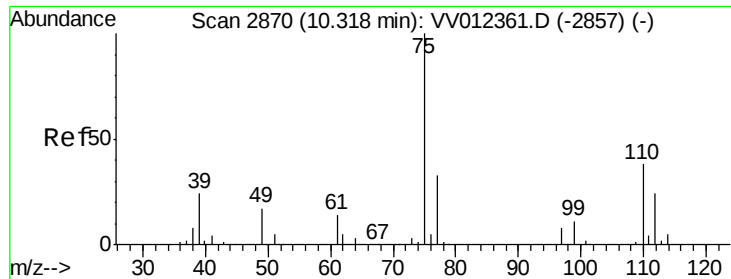


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

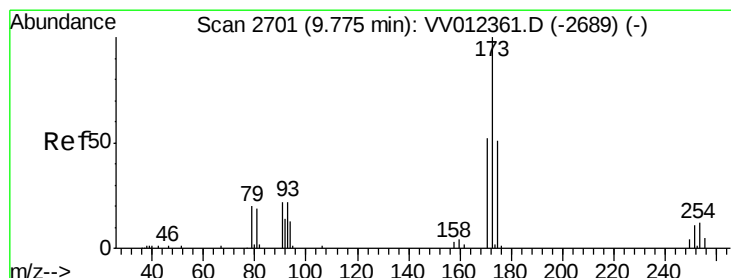
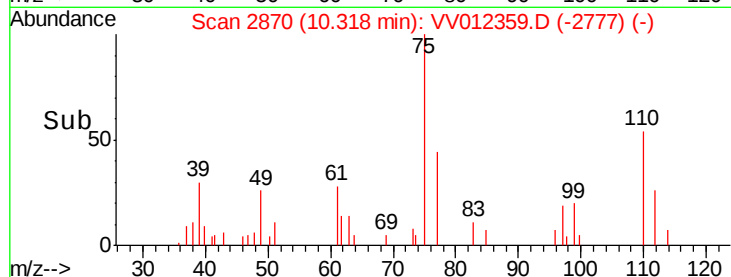
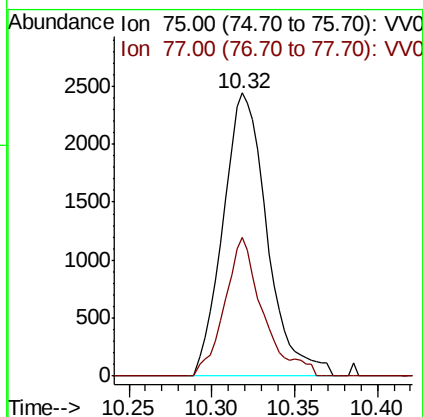
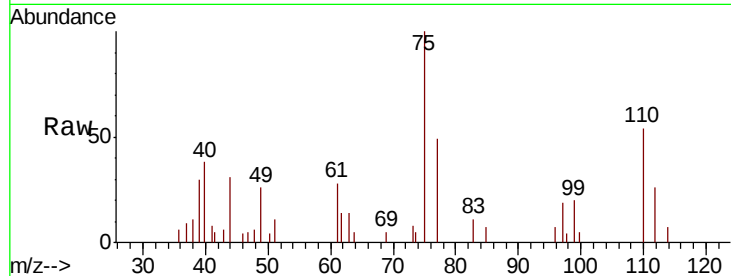




#59
 1,2,3-Trichloropropane
 Concen: 0.297 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

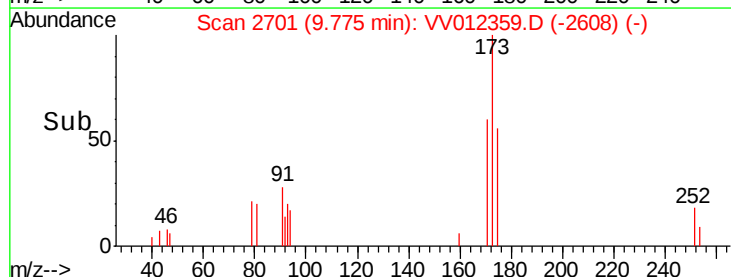
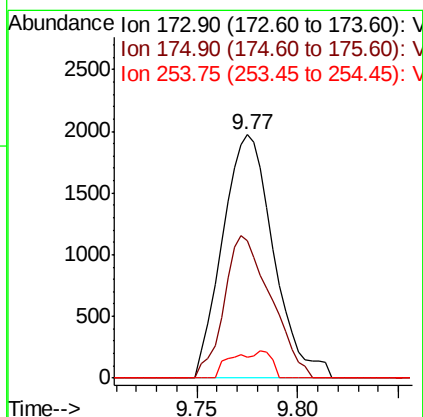
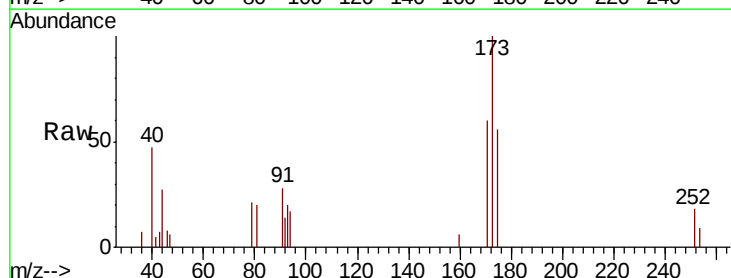
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

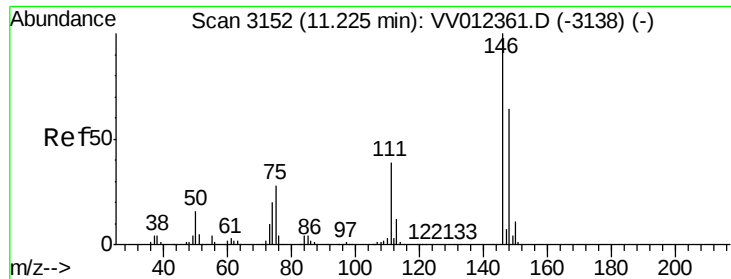
Tgt Ion: 75 Resp: 4515
 Ion Ratio Lower Upper
 75 100
 77 42.4 25.9 38.9#



#61
 Bromoform
 Concen: 0.340 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Tgt Ion: 173 Resp: 3471
 Ion Ratio Lower Upper
 173 100
 175 53.8 40.7 61.1
 254 8.7 9.5 14.3#





#62

1,3-Dichlorobenzene

Concen: 0.326 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

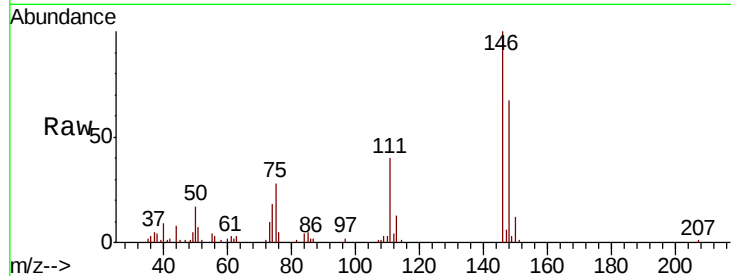
Tgt Ion:146 Resp: 17111

Ion Ratio Lower Upper

146 100

111 40.0 27.0 50.2

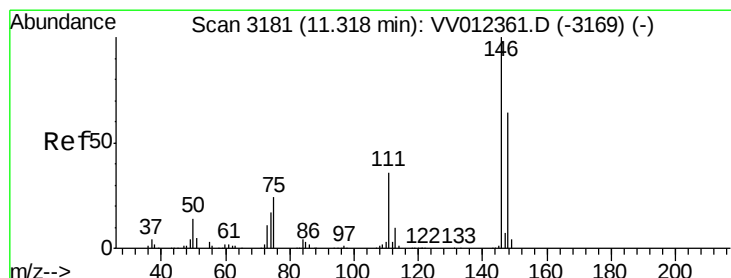
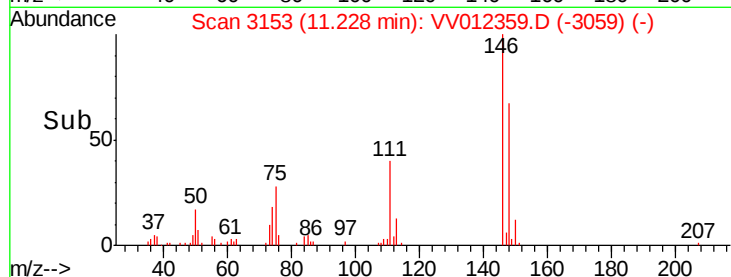
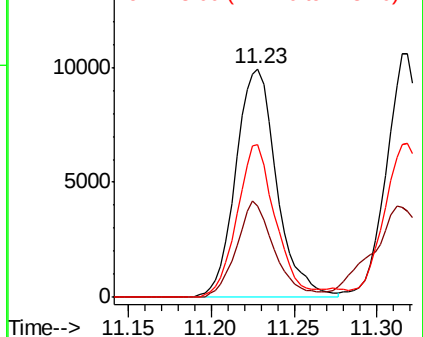
148 66.9 44.7 83.1



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: 0.338 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012359.D

Acq: 23 Aug 2019 12:15

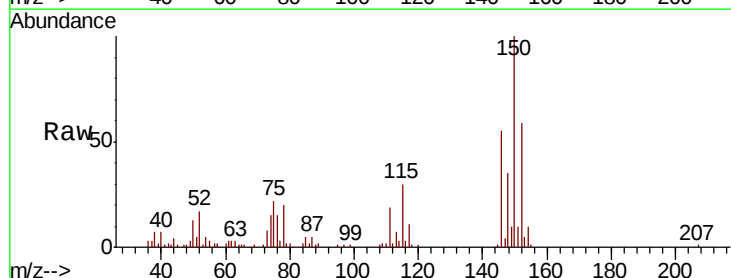
Tgt Ion:146 Resp: 17714

Ion Ratio Lower Upper

146 100

111 35.3 25.7 47.7

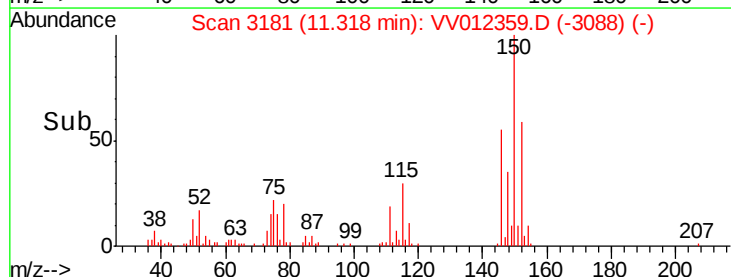
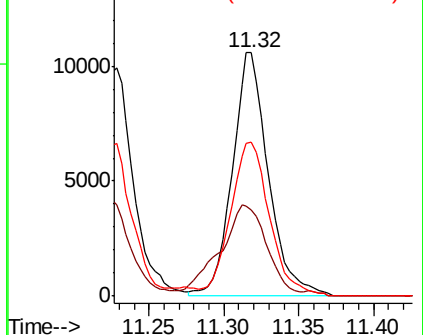
148 63.5 45.0 83.6

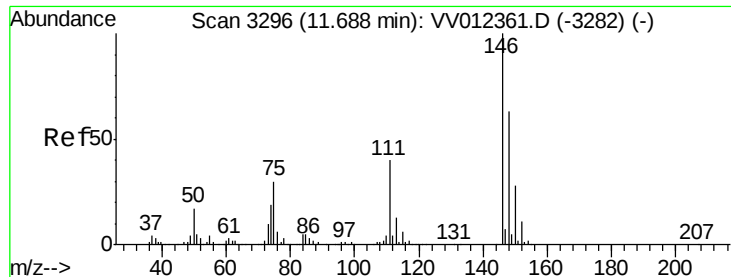


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

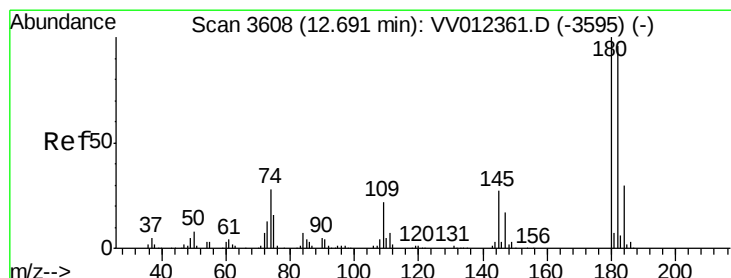
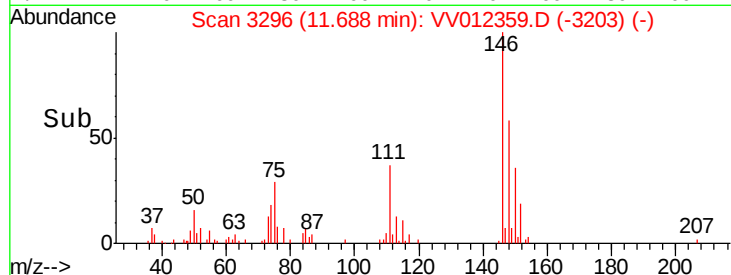
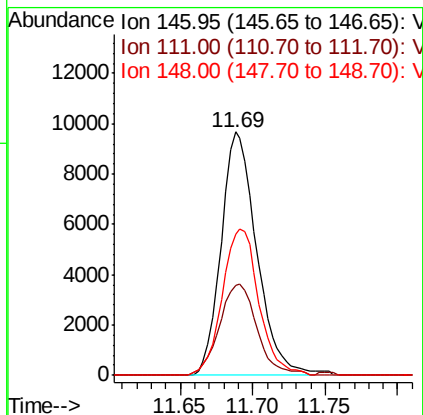
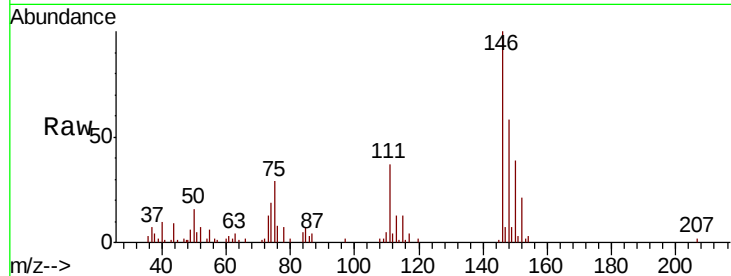




#65
 1,2-Dichlorobenzene
 Concen: 0.344 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

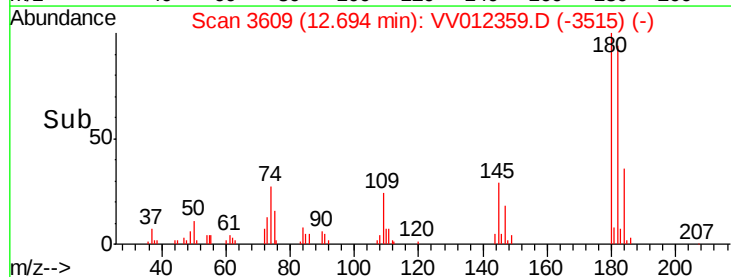
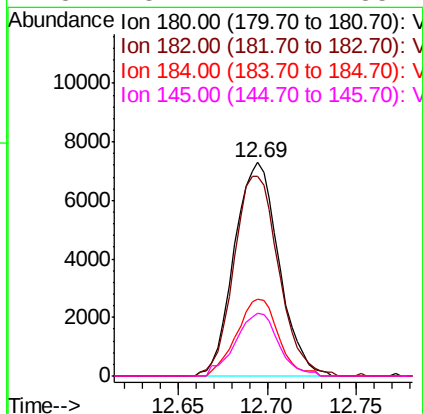
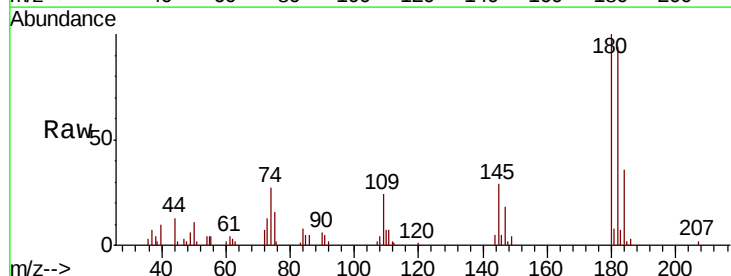
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

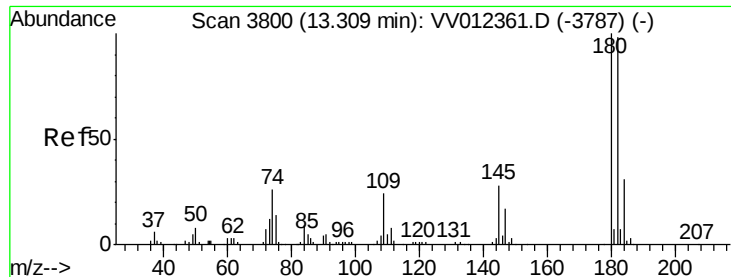
Tgt Ion:146 Resp: 16576
 Ion Ratio Lower Upper
 146 100
 111 36.9 31.9 47.9
 148 58.2 50.2 75.4



#67
 1,3,5-Trichlorobenzene
 Concen: 0.320 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Tgt Ion:180 Resp: 12753
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.4 114.6
 184 33.9 23.9 35.9
 145 28.4 22.1 33.1

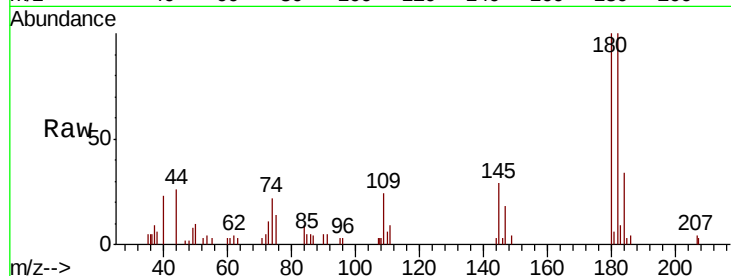




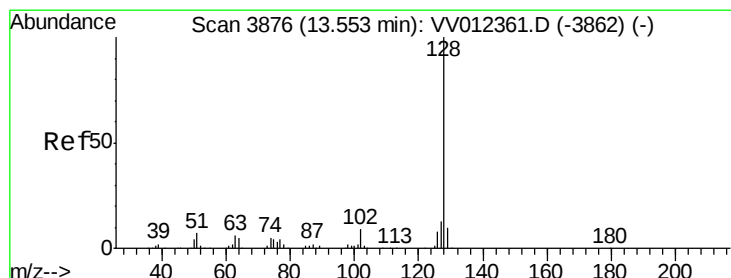
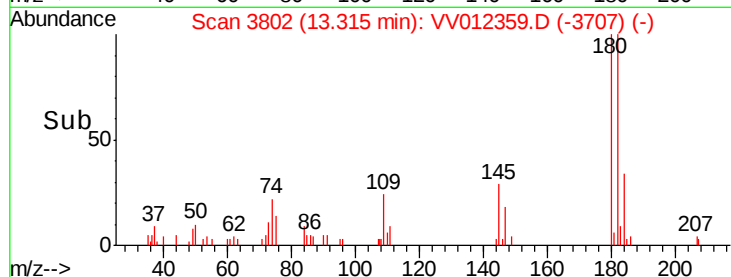
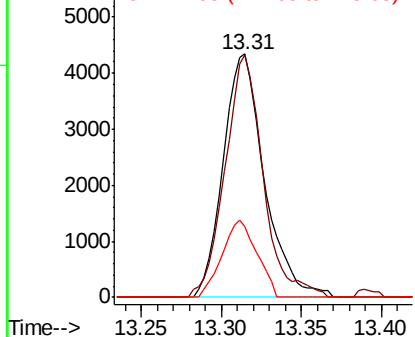
#68
 1,2,4-trichlorobenzene
 Concen: 0.260 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.01 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion:180 Resp: 7643
 Ion Ratio Lower Upper
 180 100
 182 91.8 77.3 115.9
 145 26.7 22.6 34.0

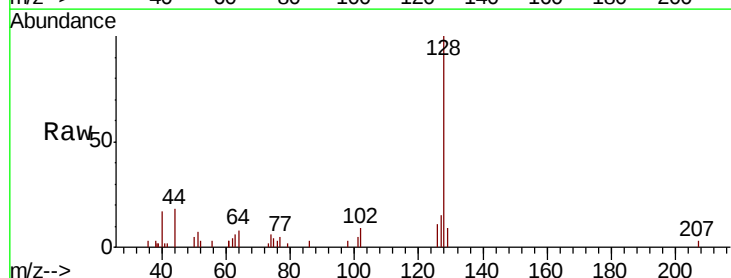


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

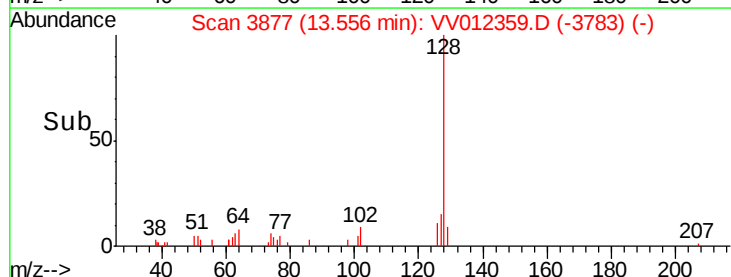
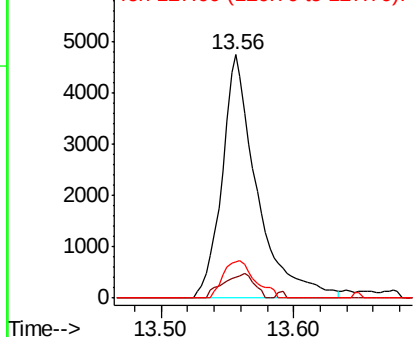


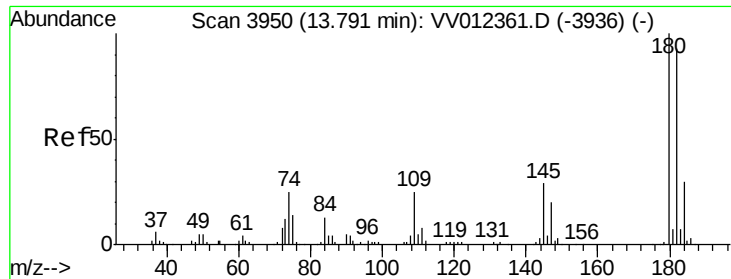
#69
 Naphthalene
 Concen: 0.209 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Tgt Ion:128 Resp: 8678
 Ion Ratio Lower Upper
 128 100
 129 9.0 8.6 12.8
 127 13.8 10.5 15.7



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

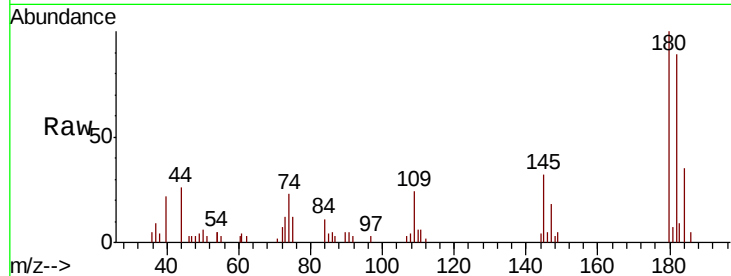




#70
 1,2,3-Trichlorobenzene
 Concen: 0.244 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.01 min
 Lab File: VV012359.D
 Acq: 23 Aug 2019 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion:180 Resp: 6732
 Ion Ratio Lower Upper
 180 100
 182 102.7 75.1 112.7
 145 31.4 23.4 35.2



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

