

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015618.D
 Acq On : 22 Apr 2020 13:43
 Operator : SY/MD
 Sample : VSTD00136
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:31:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 00:28:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	131041	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	124724	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	61918	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	6471	0.96	ug/L	0.00
7) Chloroethane-d5	1.58	69	6338	1.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	14386	1.00	ug/L	0.00
20) 2-Butanone-d5	3.95	46	7461	3.80	ug/L	0.02
24) Chloroform-d	4.38	84	14544	0.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	8140	1.00	ug/L	0.00
32) Benzene-d6	5.08	84	27381	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	8559	0.97	ug/L	0.00
41) Toluene-d8	7.34	98	25533	0.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	3041	0.82	ug/L	0.00
46) 2-Hexanone-d5	8.12	63	15289	8.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	6568	0.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	10027	1.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11017	0.878 ug/L	99
3) Chloromethane	1.24	50	10022	0.853 ug/L	99
5) Vinyl chloride	1.32	62	10489	0.912 ug/L	97
6) Bromomethane	1.53	94	4349	0.714 ug/L	93
8) Chloroethane	1.59	64	8720	1.263 ug/L	92
9) Trichlorofluoromethane	1.76	101	14889	0.995 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	8241	0.968 ug/L	96
12) 1,1-Dichloroethene	2.13	96	7711	0.952 ug/L	92
13) Acetone	2.22	43	15652	11.342 ug/L	71
14) Carbon disulfide	2.31	76	20752	0.768 ug/L	100
15) Methyl Acetate	2.47	43	3364	0.827 ug/L #	88
16) Methylene chloride	2.52	84	10205	1.069 ug/L	96
17) Methyl tert-butyl Ether	2.79	73	21281	0.974 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	8557	0.945 ug/L	98
19) 1,1-Dichloroethane	3.21	63	16613	0.962 ug/L	97
21) 2-Butanone	4.03	43	23027	10.285 ug/L	94
22) cis-1,2-Dichloroethene	3.95	96	9679	1.019 ug/L	89
23) Bromochloromethane	4.28	128	3904	0.990 ug/L	88
25) Chloroform	4.41	83	18609	1.047 ug/L	96
27) 1,2-Dichloroethane	5.16	62	11717	1.019 ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	15560	0.965 ug/L	99
30) Cyclohexane	4.70	56	14949	0.892 ug/L	98
31) Carbon tetrachloride	4.86	117	12919	0.931 ug/L	98
33) Benzene	5.13	78	35282	0.954 ug/L	100
34) Trichloroethene	5.94	95	9972	0.995 ug/L	96
35) Methylcyclohexane	6.15	83	15179	0.921 ug/L	99
37) 1,2-Dichloropropane	6.20	63	8881	0.964 ug/L	99
38) Bromodichloromethane	6.53	83	10899	0.900 ug/L #	96
39) cis-1,3-Dichloropropene	7.05	75	11569	0.836 ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	55379	9.171 ug/L	99

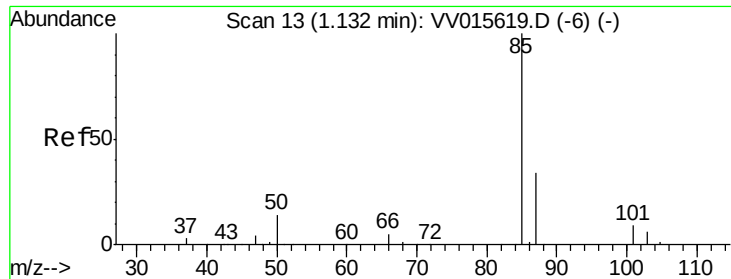
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015618.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 00:28:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	36673	0.917	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	8971	0.763	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	5829	0.935	ug/L	96
47) Tetrachloroethene	8.00	164	6941	0.942	ug/L	95
48) 2-Hexanone	8.17	43	38681	9.125	ug/L	99
49) Dibromochloromethane	8.27	129	5756	0.798	ug/L	90
50) 1,2-Dibromoethane	8.38	107	5556	0.937	ug/L	98
51) Chlorobenzene	8.90	112	24345	0.952	ug/L	98
52) Ethylbenzene	9.04	91	42509	0.925	ug/L	98
53) m,p-xylene	9.16	106	15219	0.879	ug/L	95
54) o-xylene	9.57	106	14790	0.882	ug/L	97
55) Styrene	9.58	104	24551	0.869	ug/L	99
56) Isopropylbenzene	9.96	105	41488	0.899	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	6729	0.899	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	5666	0.992	ug/L	98
61) Bromoform	9.76	173	2271	0.674	ug/L #	98
62) 1,3-Dichlorobenzene	11.21	146	19727	0.999	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	19923	0.990	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	17815	0.984	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.46	75	1165	0.866	ug/L	90
67) 1,3,5-Trichlorobenzene	12.67	180	14159	0.990	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	12810	0.983	ug/L	98
69) Naphthalene	13.53	128	21800	0.902	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	11416	0.995	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.878 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

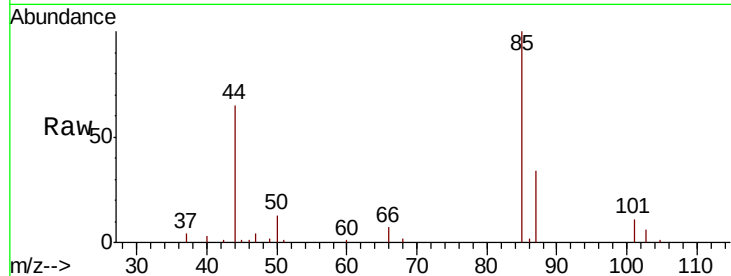
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 11017

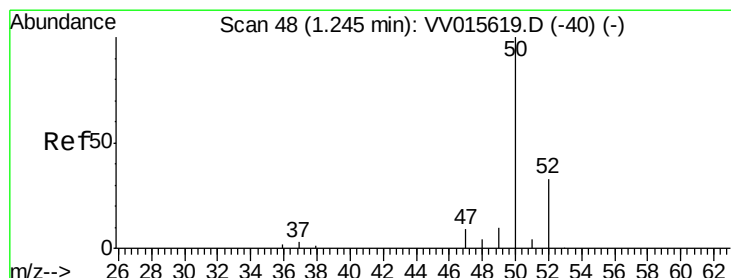
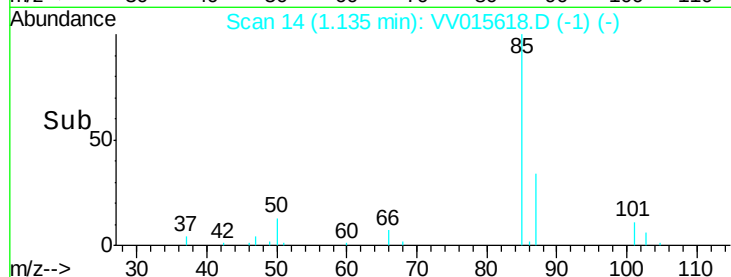
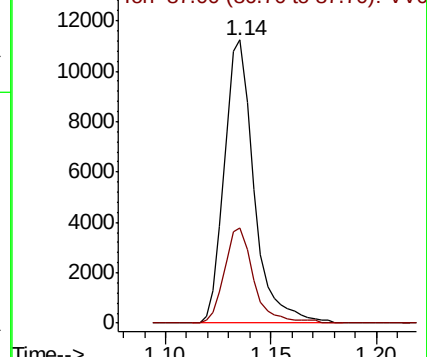
Ion Ratio Lower Upper

85 100

87 33.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015618.D (-6) (-)



#3

Chloromethane

Concen: 0.853 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV015618.D

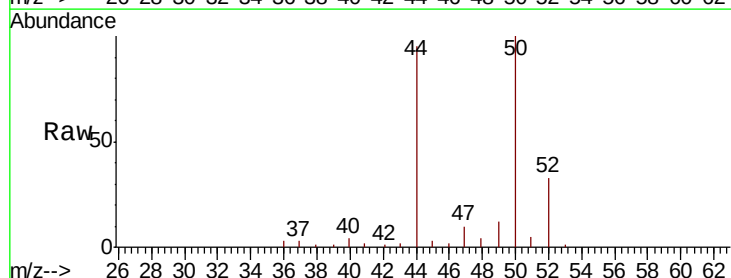
Acq: 22 Apr 2020 13:43

Tgt Ion: 50 Resp: 10022

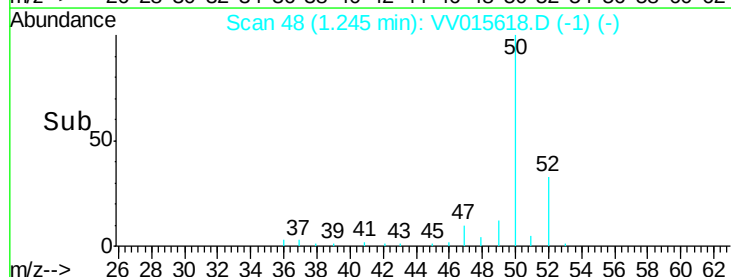
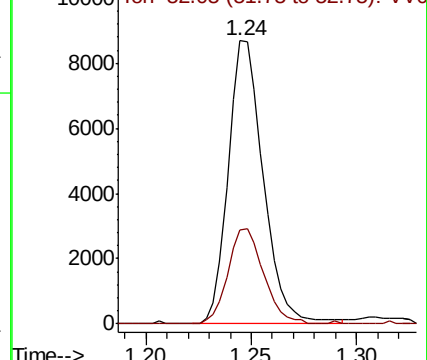
Ion Ratio Lower Upper

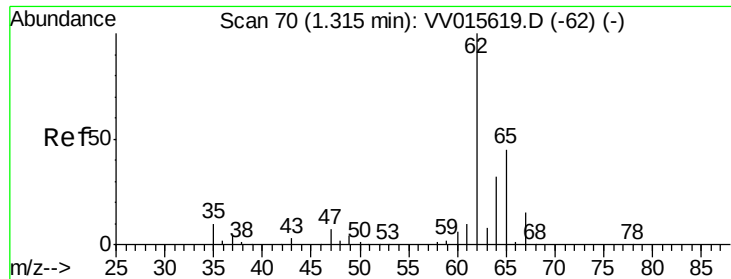
50 100

52 33.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015618.D (-40) (-)





#5

Vinyl chloride

Concen: 0.912 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

Instrument :

MSVOA_V

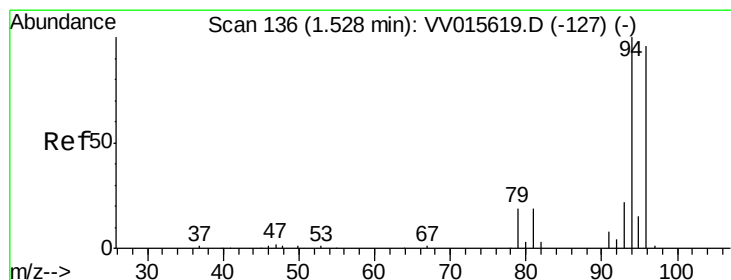
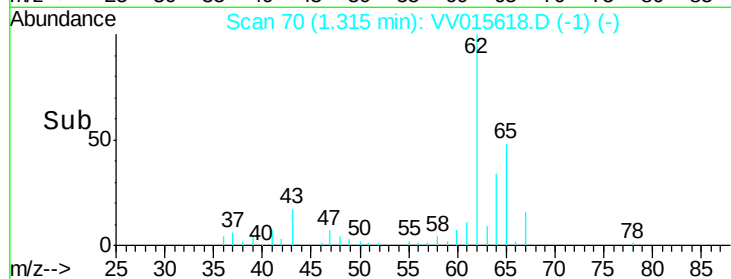
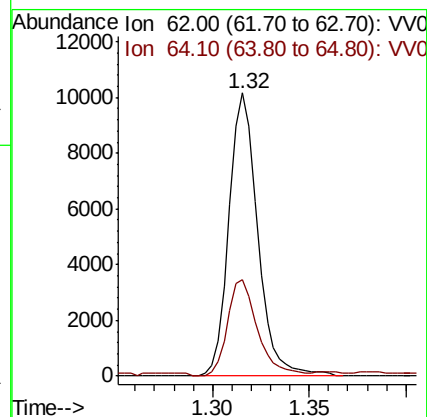
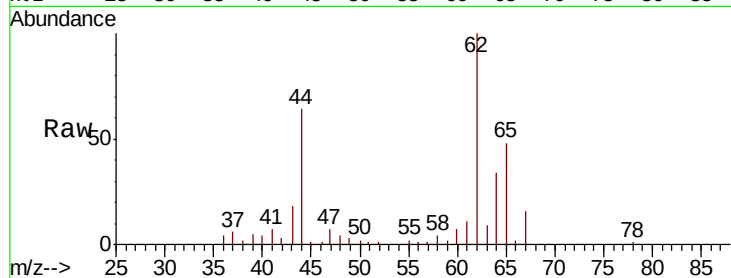
ClientSampleId :

Tot Ion: 62 Resp: 10489

Ion Ratio Lower Upper

62 100

64 34.3 22.7 42.1



#6

Bromomethane

Concen: 0.714 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015618.D

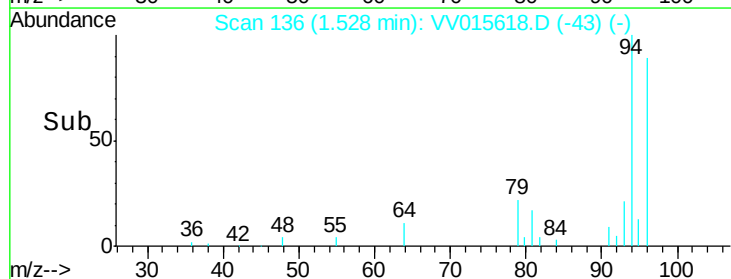
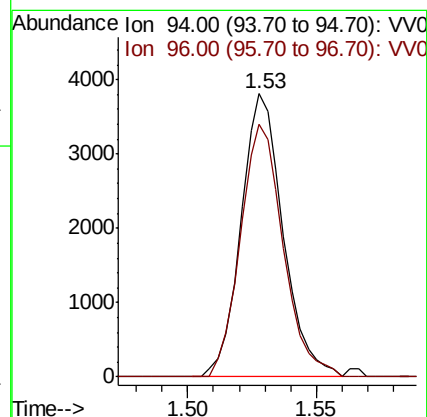
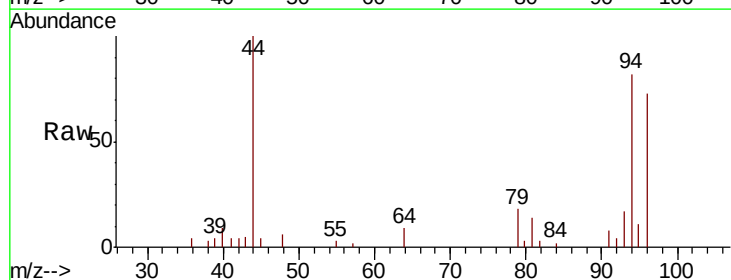
Acq: 22 Apr 2020 13:43

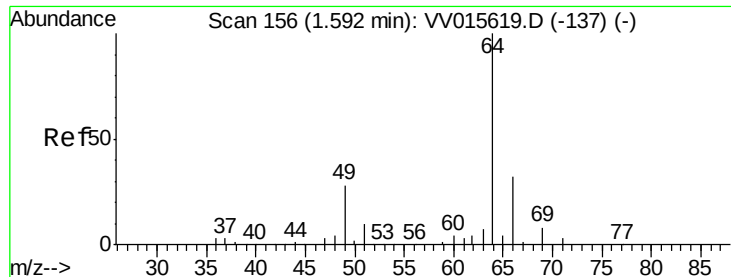
Tgt Ion: 94 Resp: 4349

Ion Ratio Lower Upper

94 100

96 89.2 67.3 125.1





#8

Chloroethane

Concen: 1.263 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

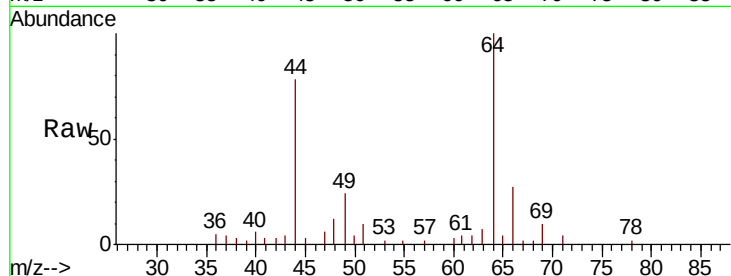
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 8720

Ion Ratio Lower Upper

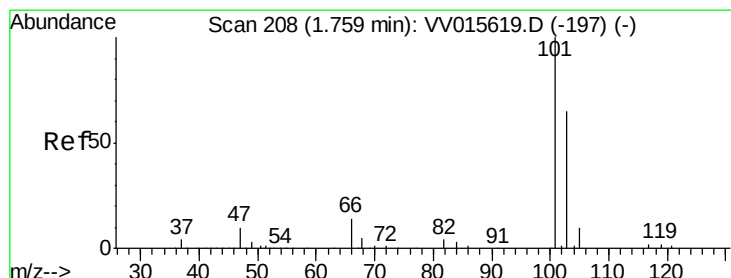
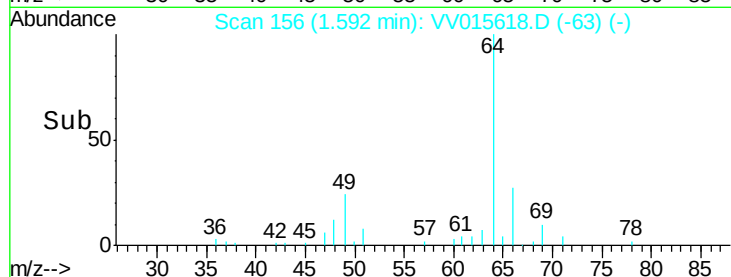
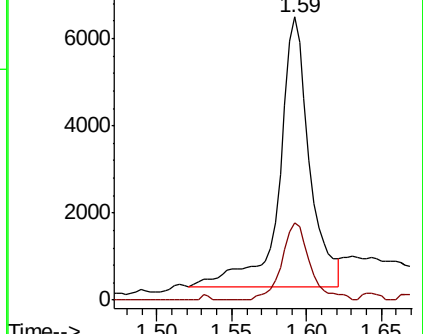
64 100

66 27.5 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015618.D (-137) (-)

Ion 66.05 (65.75 to 66.75): VV015618.D (-137) (-)



#9

Trichlorofluoromethane

Concen: 0.995 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015618.D

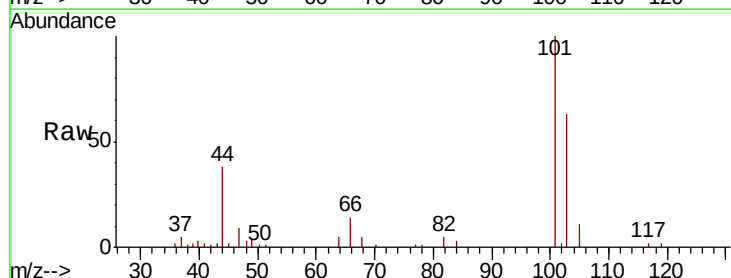
Acq: 22 Apr 2020 13:43

Tgt Ion:101 Resp: 14889

Ion Ratio Lower Upper

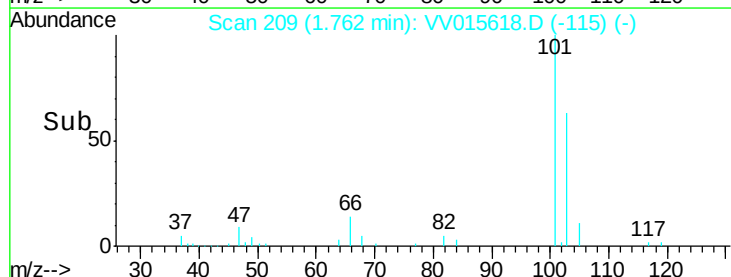
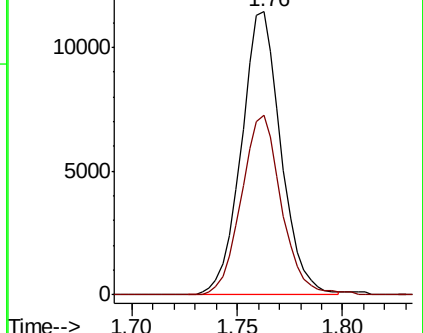
101 100

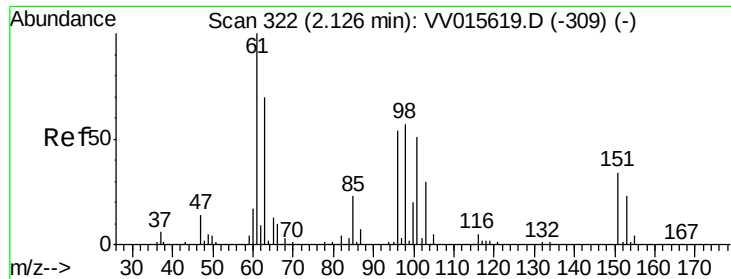
103 64.3 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015618.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015618.D (-197) (-)





#10

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

Concen: 0.968 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

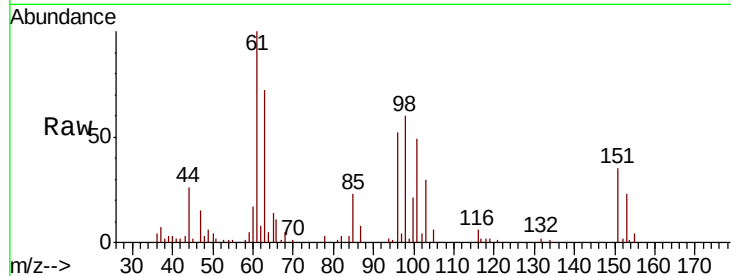
Tot Ion:101 Resp: 8241

Ion Ratio Lower Upper

101 100

85 48.2 36.1 54.1

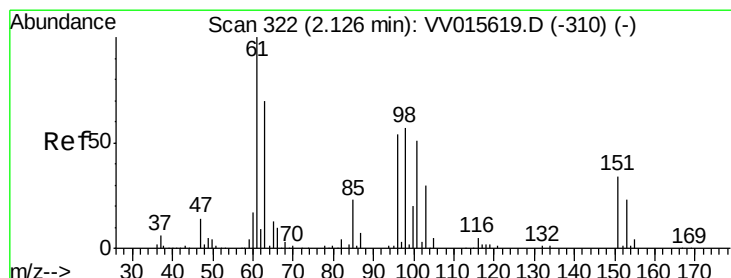
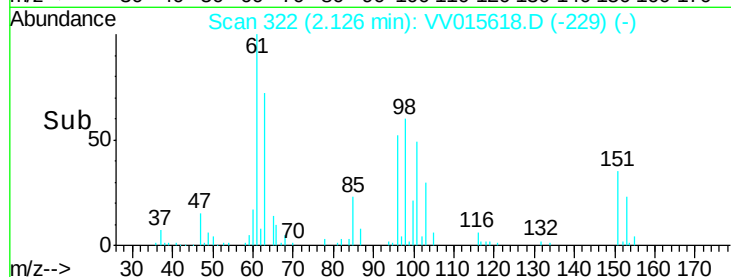
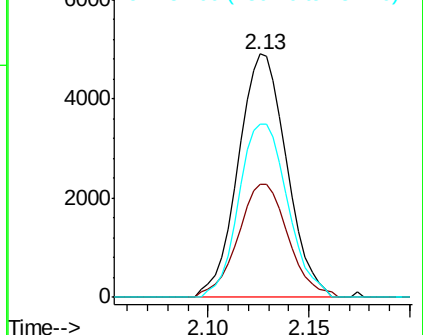
151 72.1 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.952 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

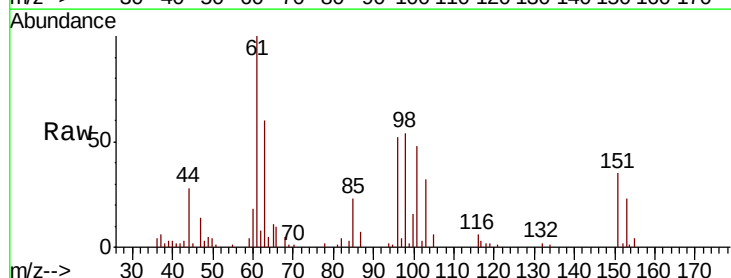
Tgt Ion: 96 Resp: 7711

Ion Ratio Lower Upper

96 100

61 191.0 130.1 241.7

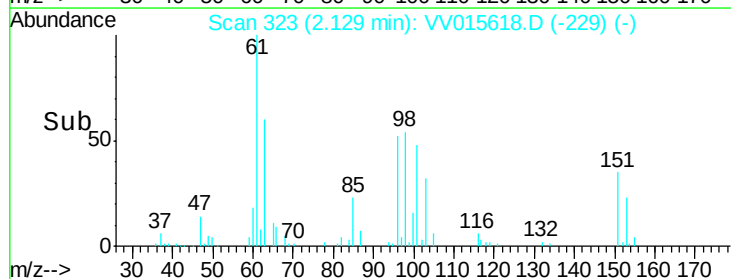
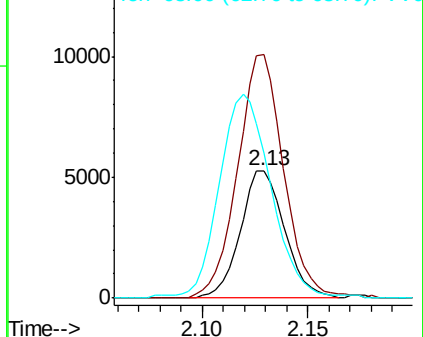
63 113.8 91.4 169.8

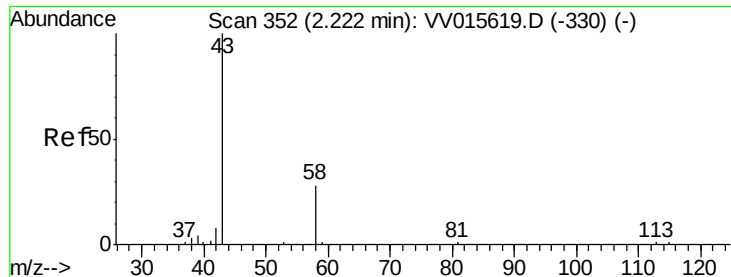


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 11.342 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

Instrument :

MSVOA_V

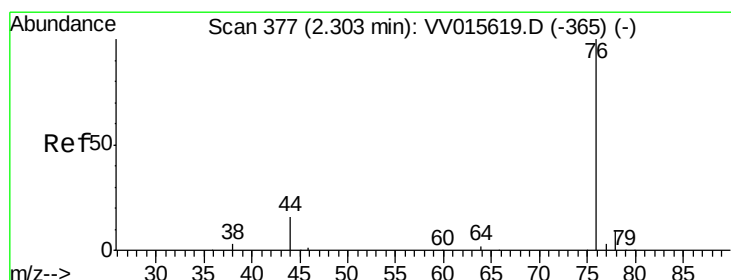
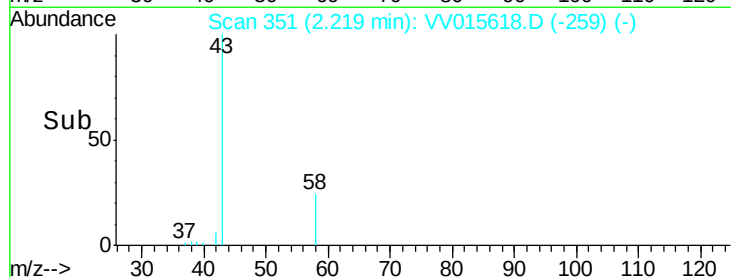
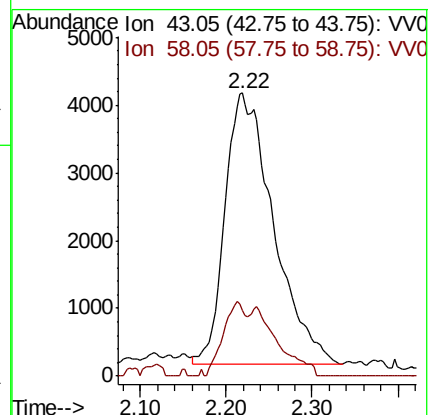
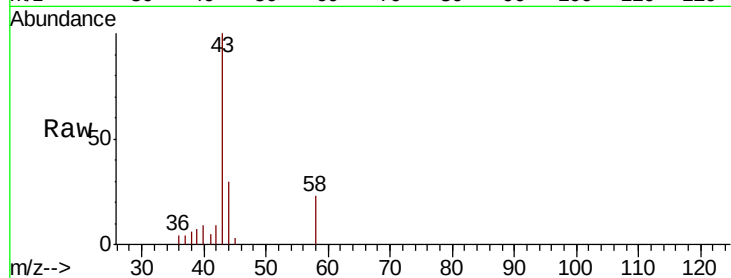
ClientSampleId :

Tot Ion: 43 Resp: 15652

Ion Ratio Lower Upper

43 100

58 13.2 0.0 57.6



#14

Carbon disulfide

Concen: 0.768 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015618.D

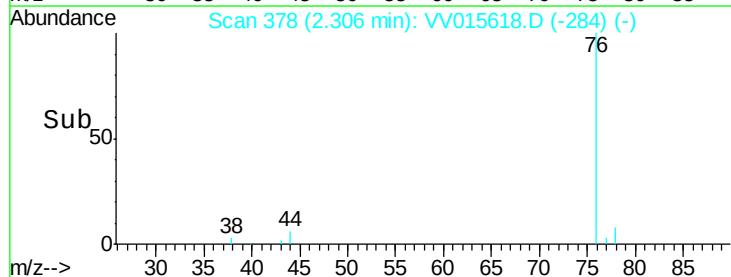
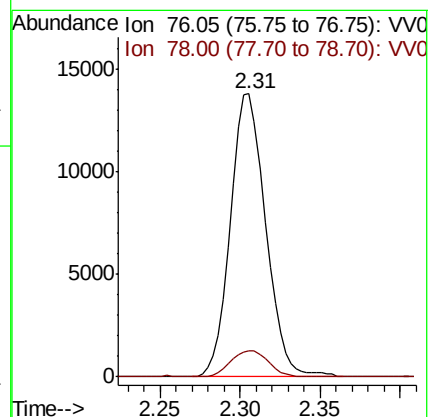
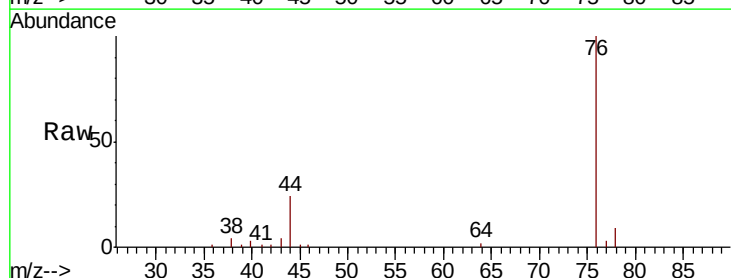
Acq: 22 Apr 2020 13:43

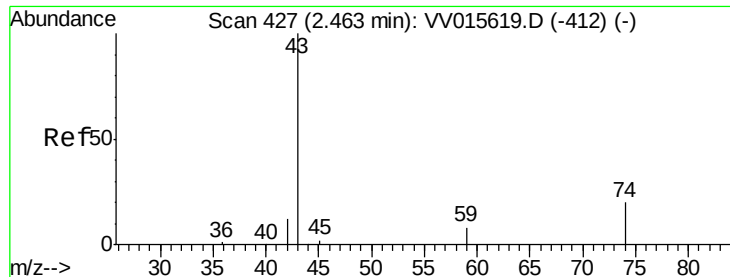
Tgt Ion: 76 Resp: 20752

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

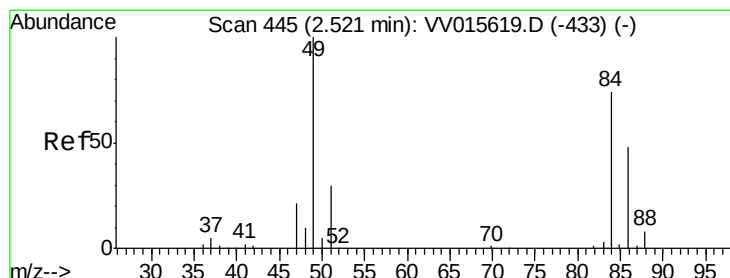
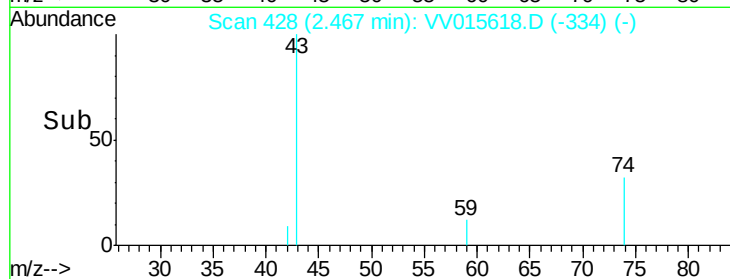
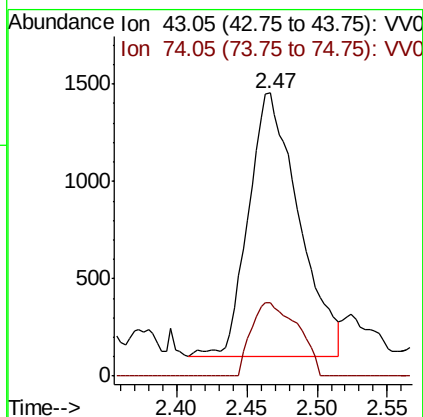
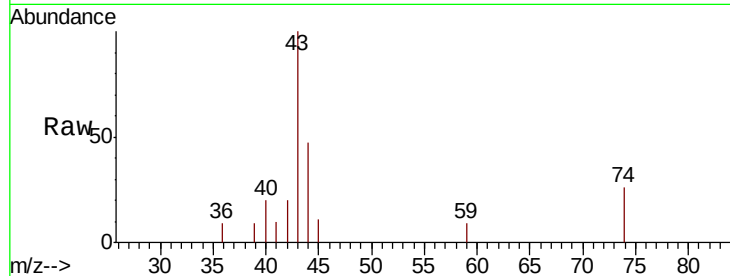




#15
Methyl Acetate
Concen: 0.827 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV015618.D
Acq: 22 Apr 2020 13:43

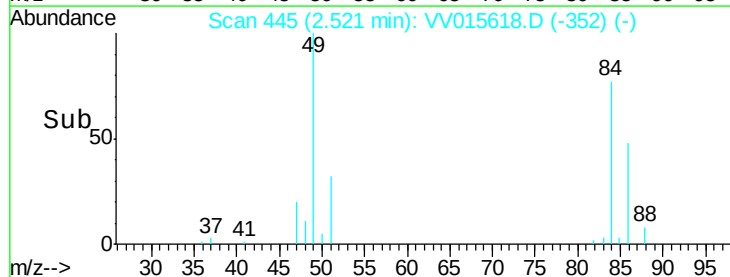
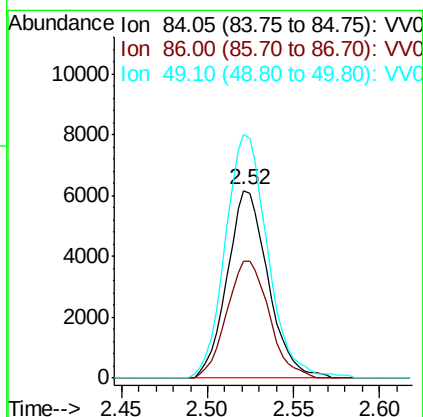
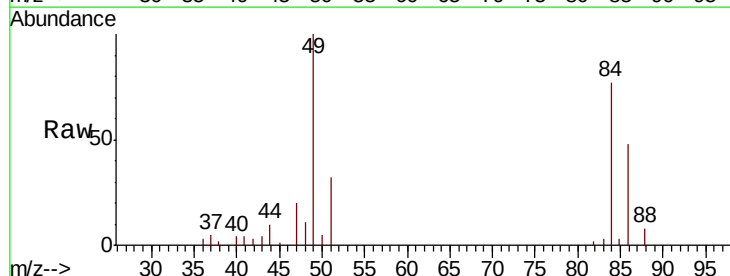
Instrument :
MSVOA_V
ClientSampleId :

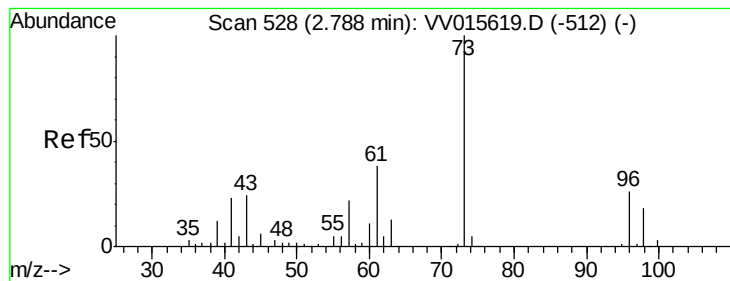
Tot Ion: 43 Resp: 3364
Ion Ratio Lower Upper
43 100
74 25.9 16.3 24.5#



#16
Methylene chloride
Concen: 1.069 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015618.D
Acq: 22 Apr 2020 13:43

Tgt Ion: 84 Resp: 10205
Ion Ratio Lower Upper
84 100
86 61.9 45.1 83.7
49 129.6 94.4 175.4



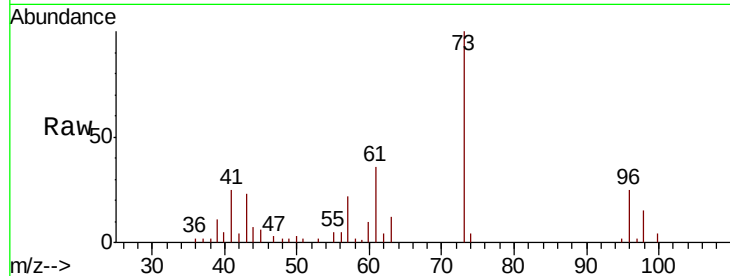


#17

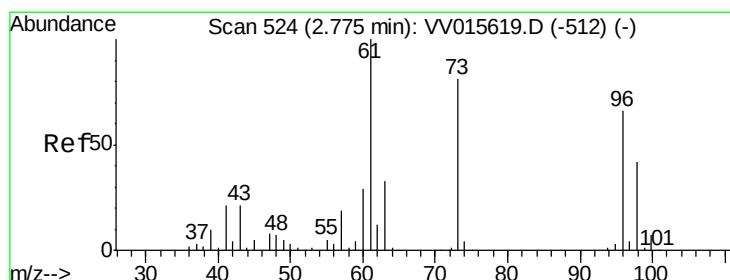
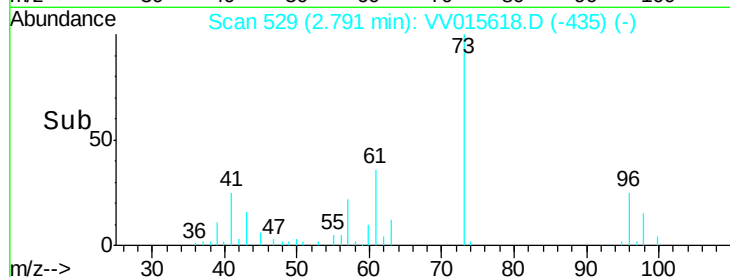
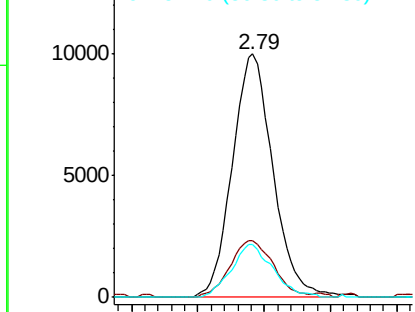
Methyl tert-butyl Ether
 Concen: 0.974 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Instrument :
 MSVOA_V
 ClientSampleID :

Tot Ion: 73 Resp: 21281
 Ion Ratio Lower Upper
 73 100
 43 24.7 20.1 30.1
 57 22.2 17.8 26.8



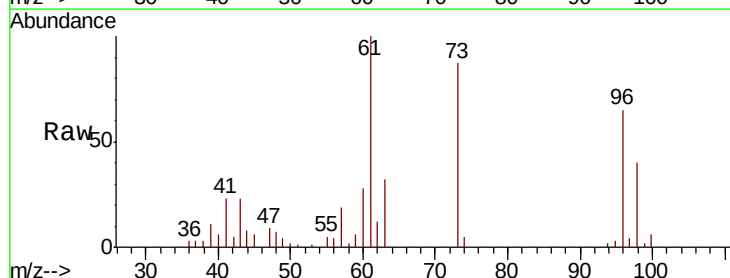
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



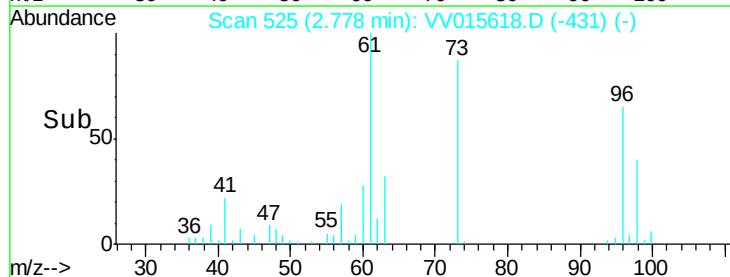
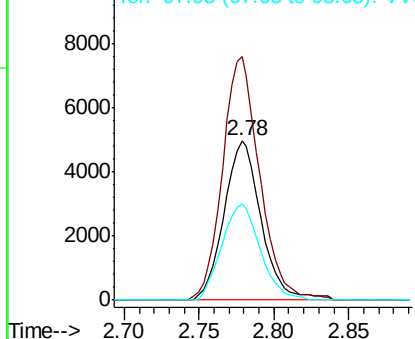
#18

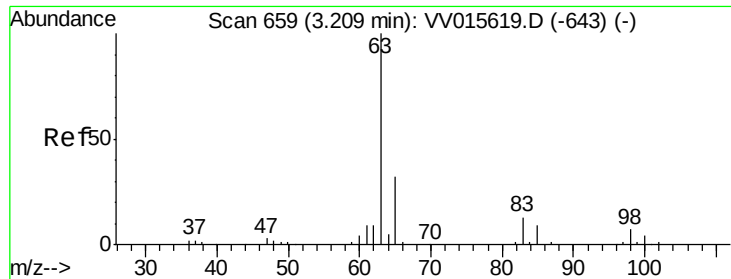
trans-1,2-Dichloroethene
 Concen: 0.945 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Tgt Ion: 96 Resp: 8557
 Ion Ratio Lower Upper
 96 100
 61 152.7 105.5 195.9
 98 60.5 44.2 82.0



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

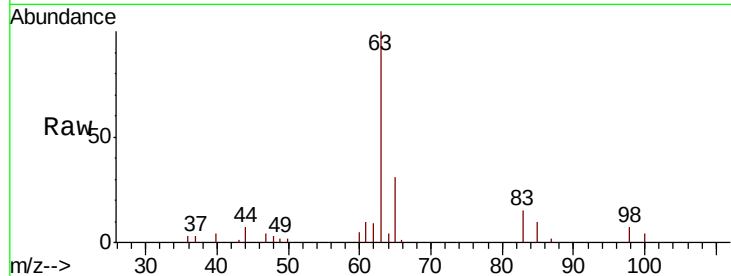




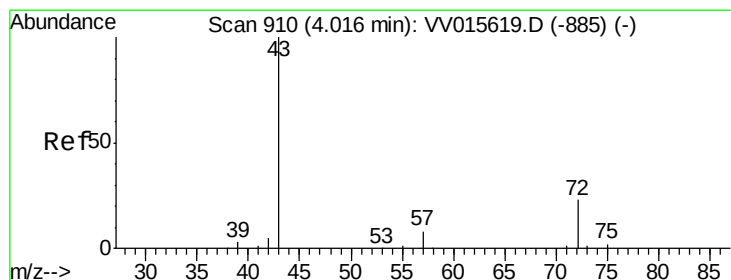
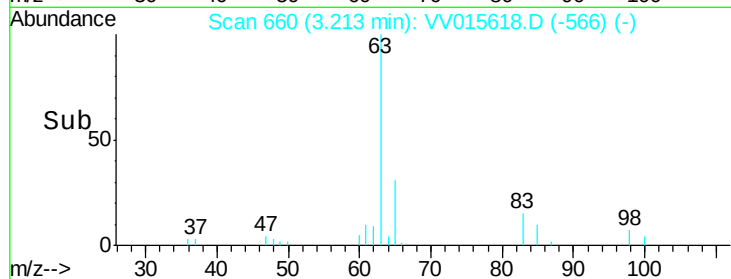
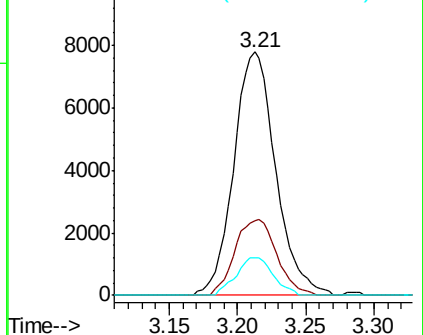
#19
 1,1-Dichloroethane
 Concen: 0.962 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 16613
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.3 41.3
 83 15.5 9.3 17.3

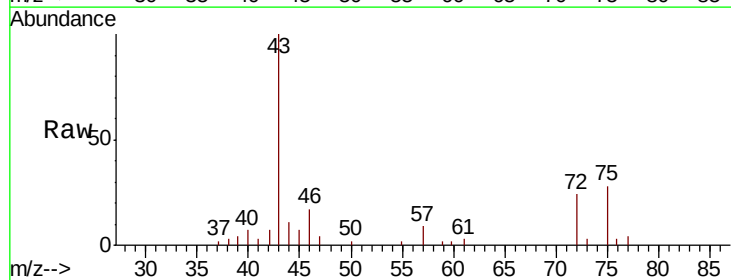


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

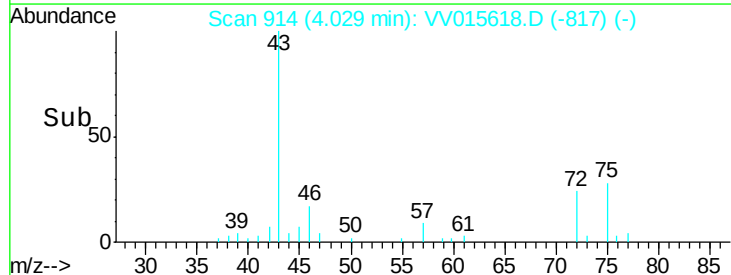
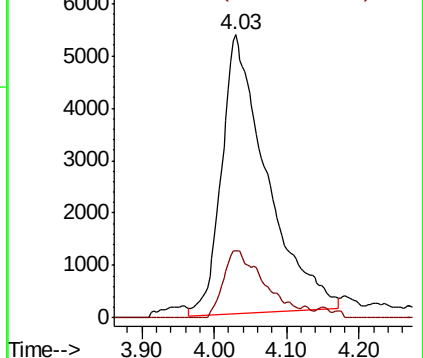


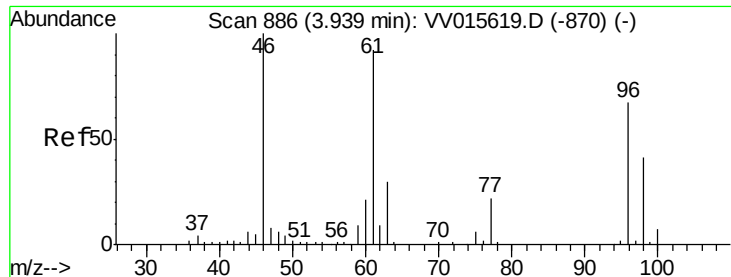
#21
 2-Butanone
 Concen: 10.285 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Tgt Ion: 43 Resp: 23027
 Ion Ratio Lower Upper
 43 100
 72 21.7 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



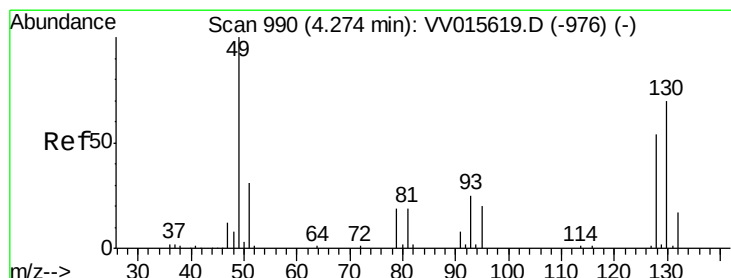
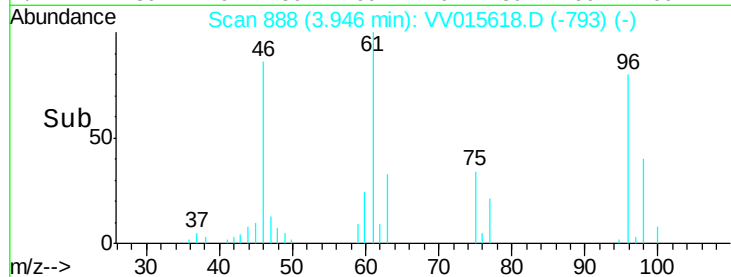
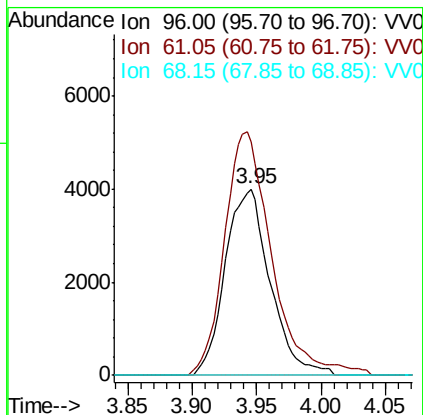
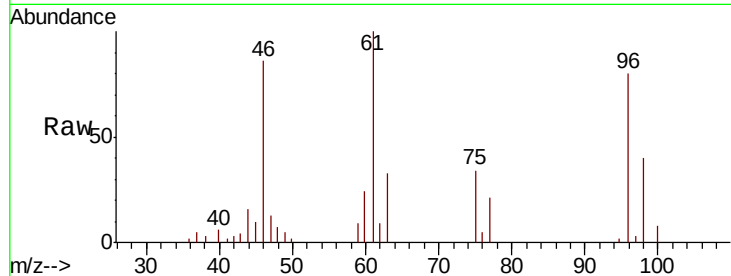


#22

cis-1,2-Dichloroethene
 Concen: 1.019 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Instrument :
 MSVOA_V
 ClientSampleId :

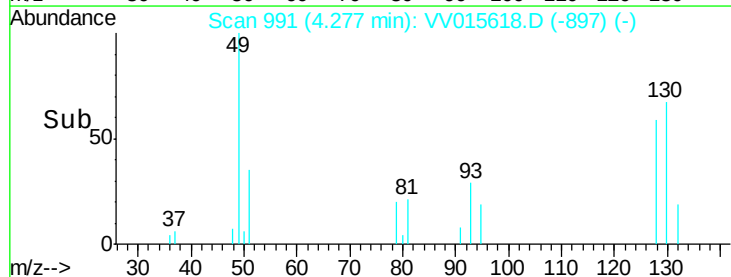
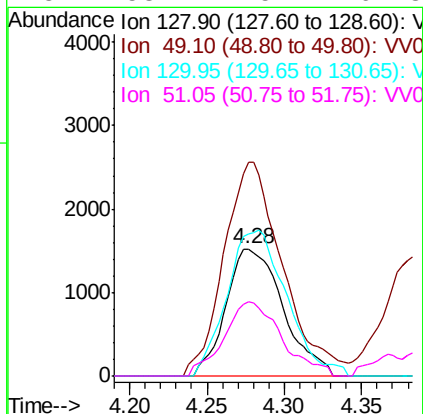
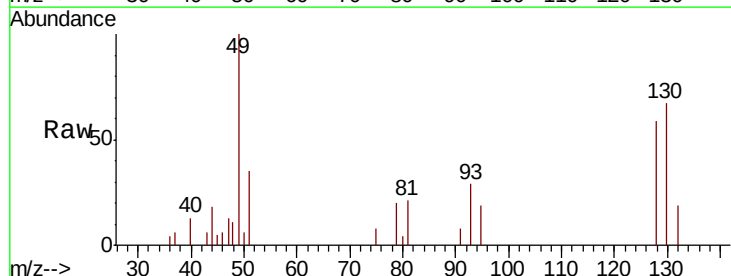
Tot Ion: 96 Resp: 9679
 Ion Ratio Lower Upper
 96 100
 61 124.8 96.4 179.0
 68 0.0 0.0 0.0

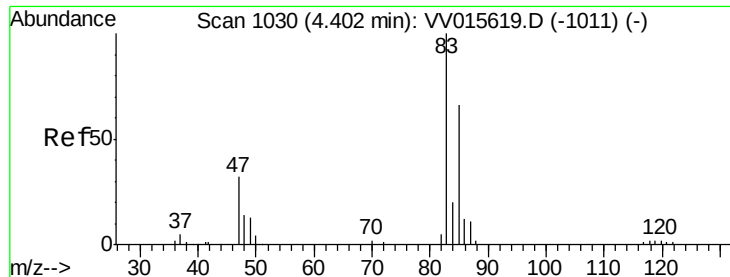


#23

Bromochloromethane
 Concen: 0.990 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Tgt Ion: 128 Resp: 3904
 Ion Ratio Lower Upper
 128 100
 49 168.1 130.8 242.8
 130 111.9 91.1 169.3
 51 58.4 45.2 67.8

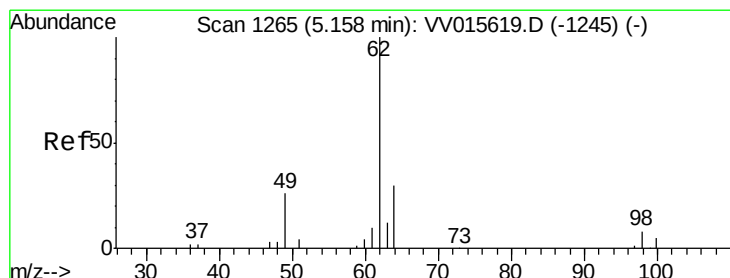
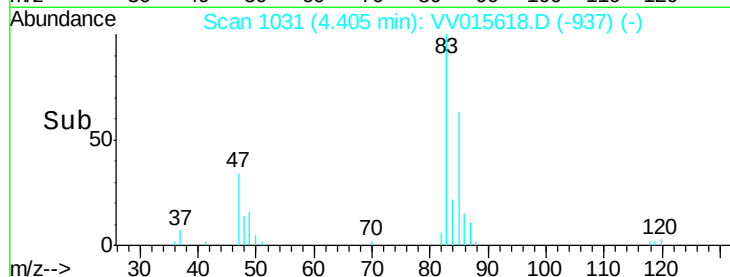
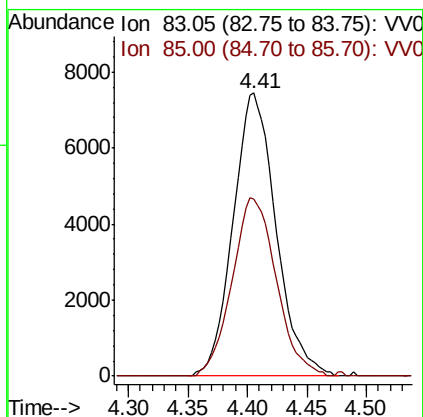
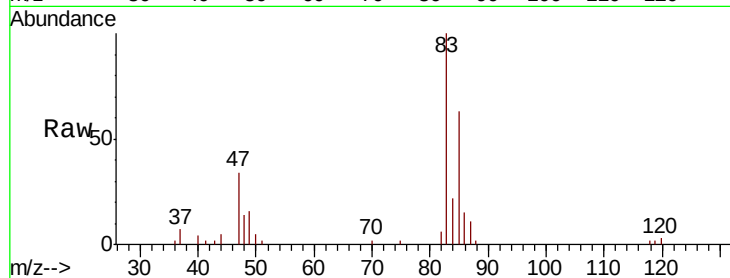




#25
Chloroform
Concen: 1.047 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015618.D
Acq: 22 Apr 2020 13:43

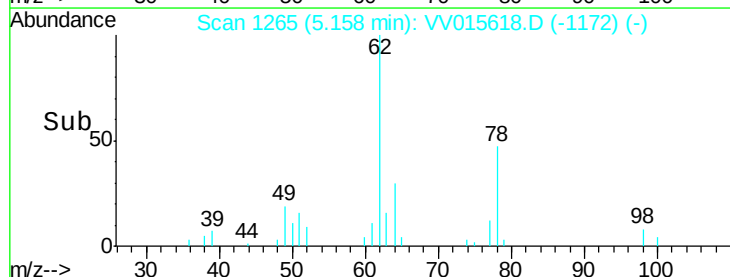
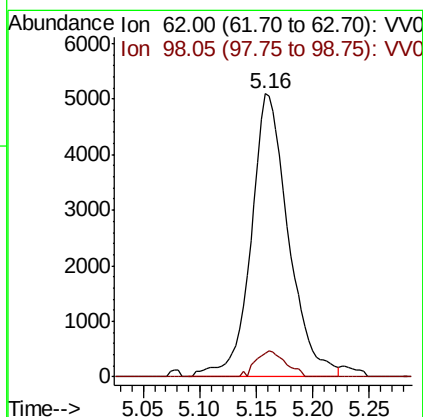
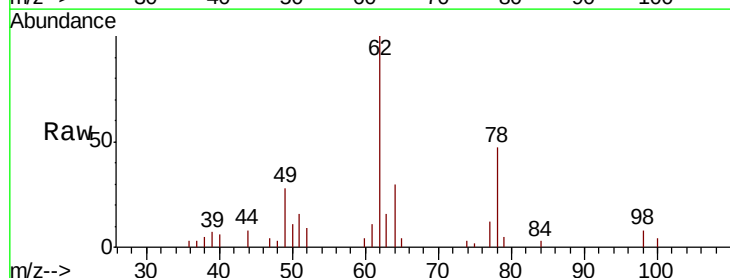
Instrument :
MSVOA_V
ClientSampleId :

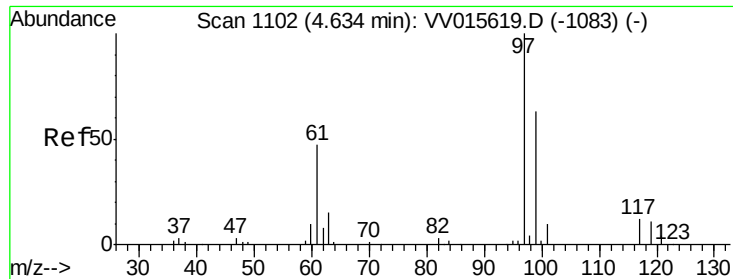
Tot Ion: 83 Resp: 18609
Ion Ratio Lower Upper
83 100
85 62.5 46.1 85.5



#27
1,2-Dichloroethane
Concen: 1.019 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015618.D
Acq: 22 Apr 2020 13:43

Tgt Ion: 62 Resp: 11717
Ion Ratio Lower Upper
62 100
98 8.4 6.3 9.5

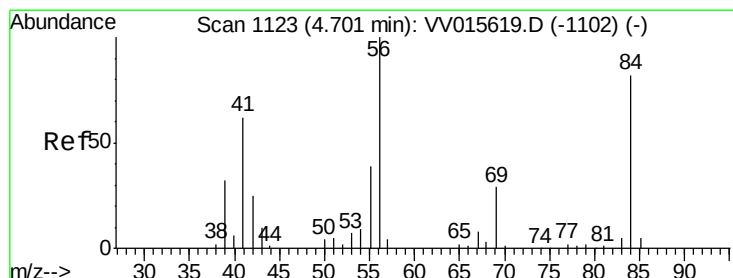
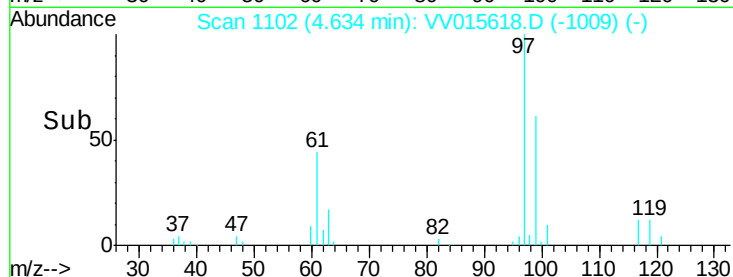
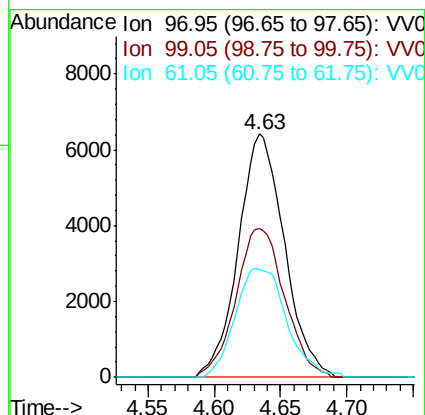
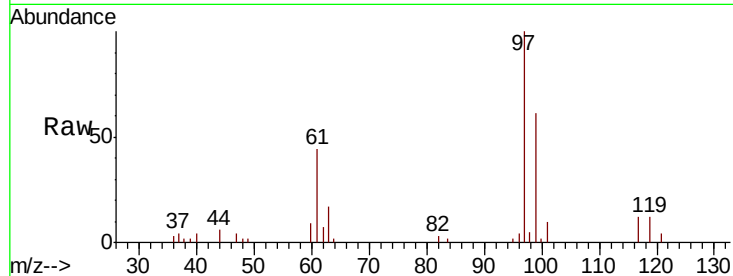




#29
 1,1,1-Trichloroethane
 Concen: 0.965 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

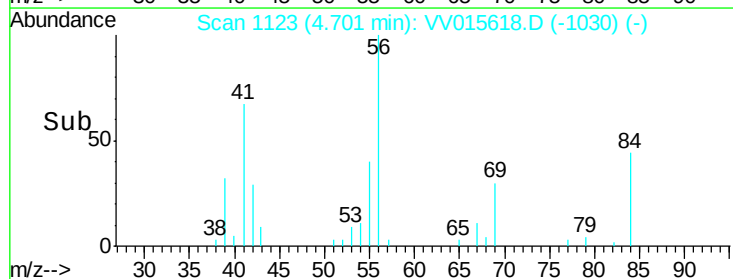
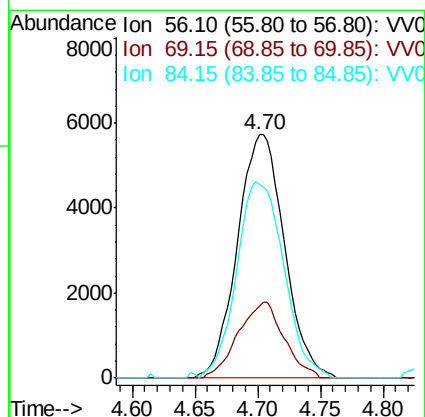
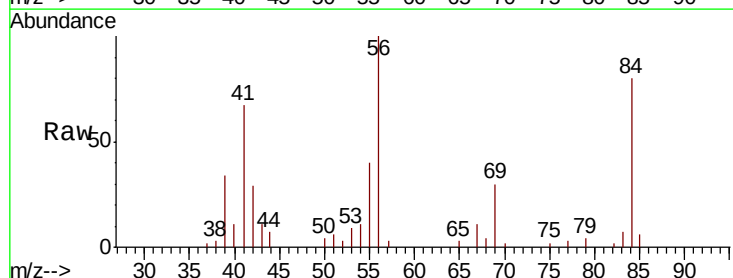
Instrument :
 MSVOA_V
 ClientSampleId :

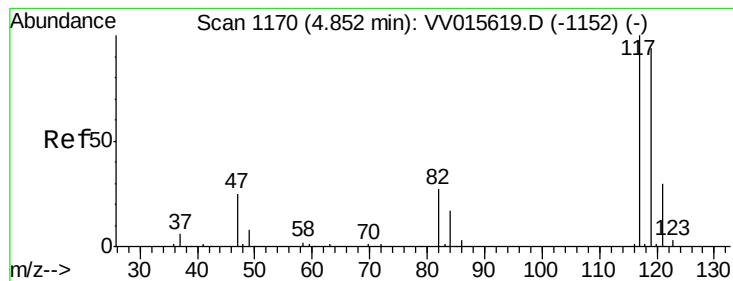
Tot Ion: 97 Resp: 15560
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.6 77.4
 61 49.9 38.6 57.8



#30
 Cyclohexane
 Concen: 0.892 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Tgt Ion: 56 Resp: 14949
 Ion Ratio Lower Upper
 56 100
 69 30.3 23.9 35.9
 84 81.1 66.9 100.3





#31

Carbon tetrachloride

Concen: 0.931 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

Instrument :

MSVOA_V

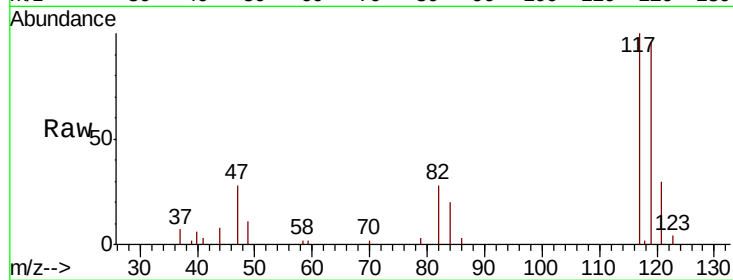
ClientSampleId :

Tot Ion:117 Resp: 12919

Ion Ratio Lower Upper

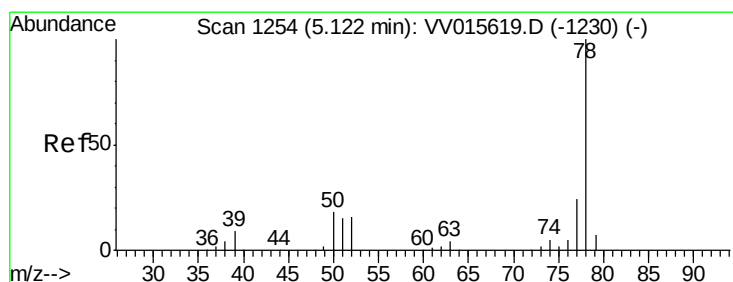
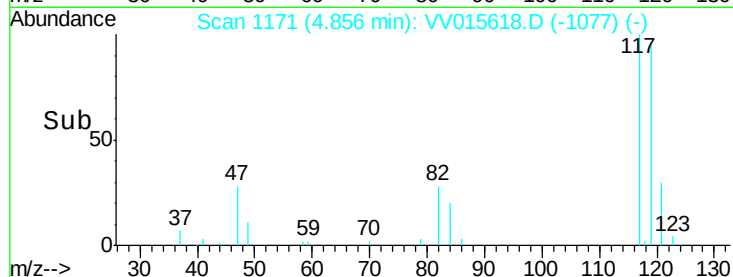
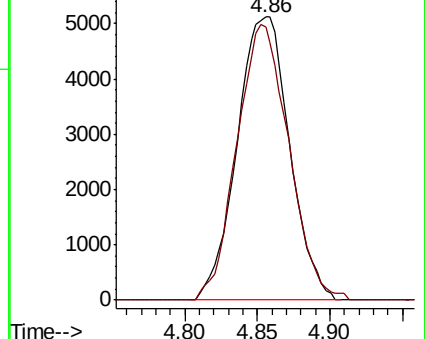
117 100

119 96.3 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.954 ug/L

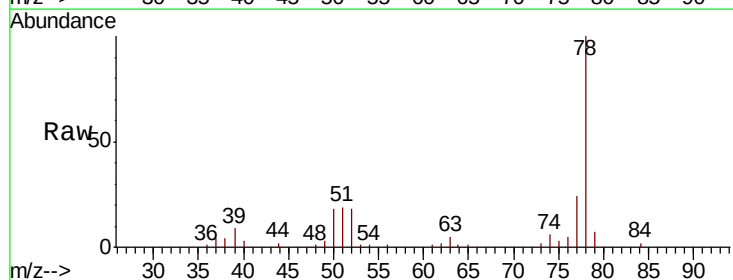
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

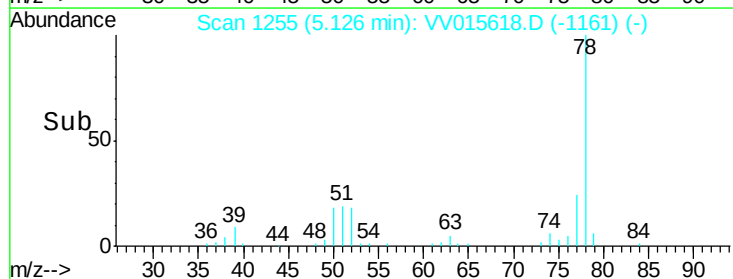
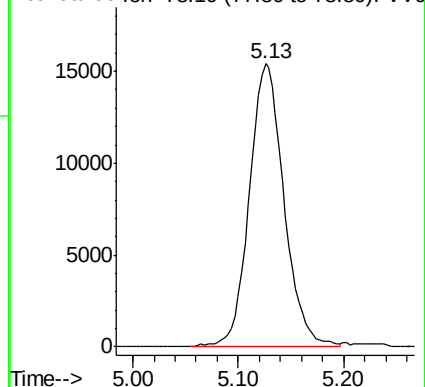
Lab File: VV015618.D

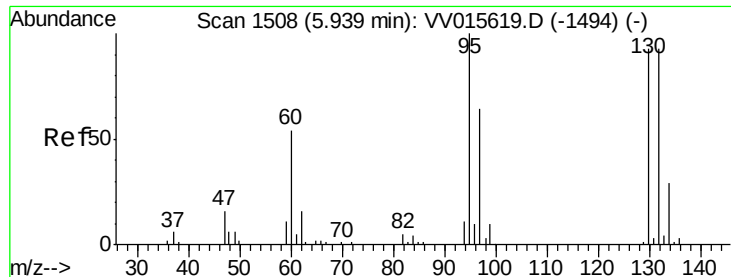
Acq: 22 Apr 2020 13:43

Tgt Ion: 78 Resp: 35282



Abundance Ion 78.10 (77.80 to 78.80): VV0

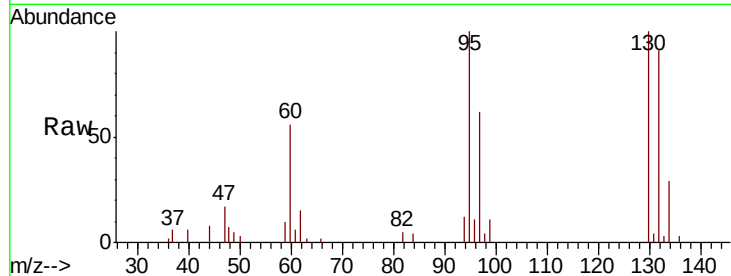




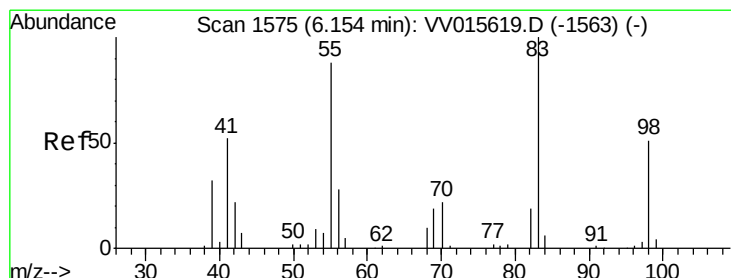
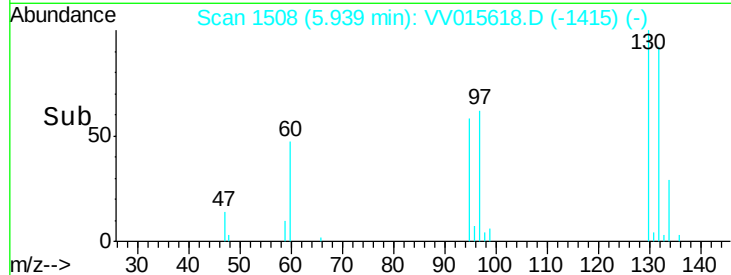
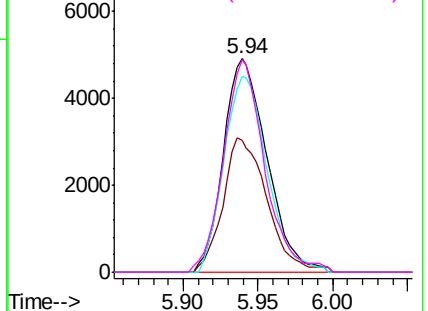
#34
 Trichloroethene
 Concen: 0.995 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 9972
 Ion Ratio Lower Upper
 95 100
 97 61.7 44.7 82.9
 132 91.4 65.2 121.0
 130 99.6 65.0 120.6

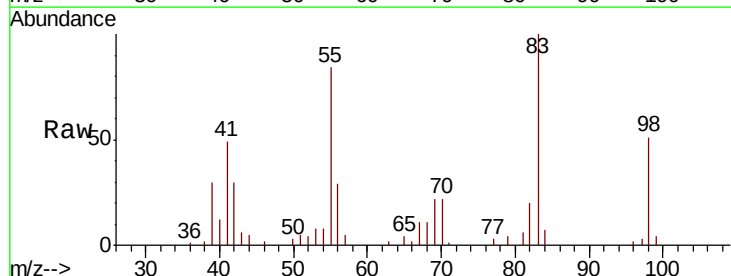


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

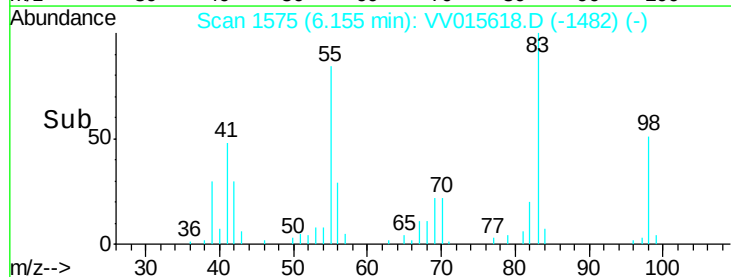
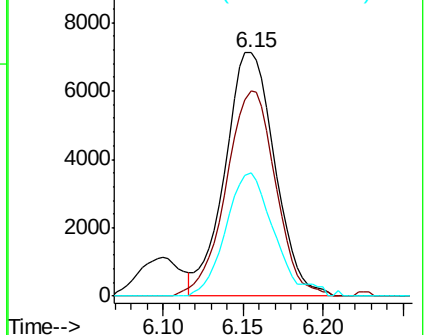


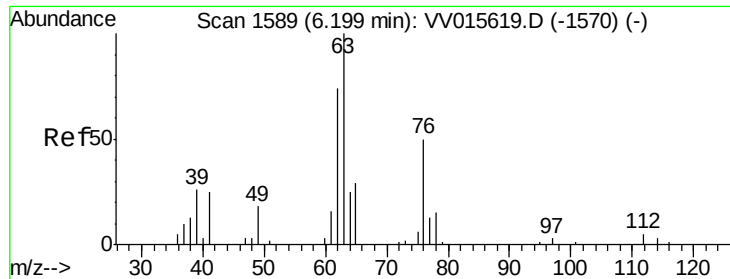
#35
 Methylcyclohexane
 Concen: 0.921 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Tgt Ion: 83 Resp: 15179
 Ion Ratio Lower Upper
 83 100
 55 83.7 66.6 99.8
 98 48.9 39.5 59.3



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

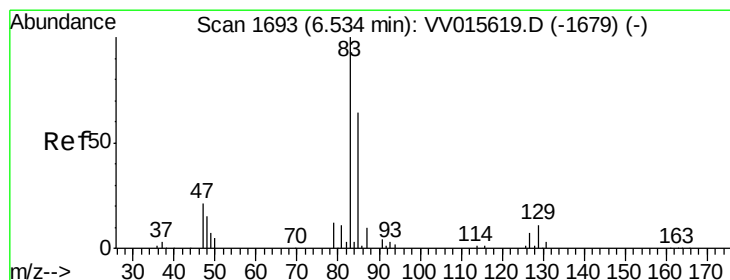
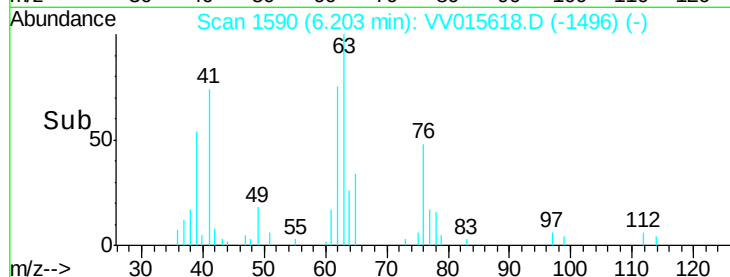
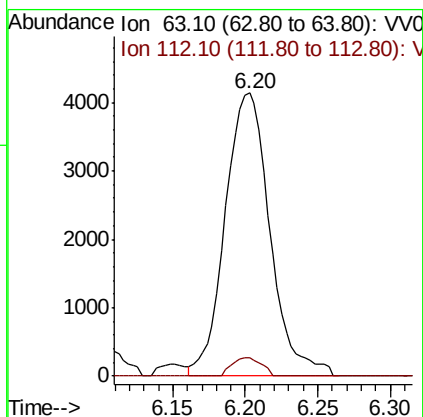
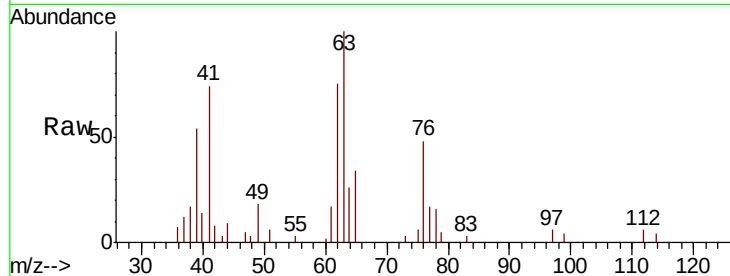




#37
 1,2-Dichloropropane
 Concen: 0.964 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

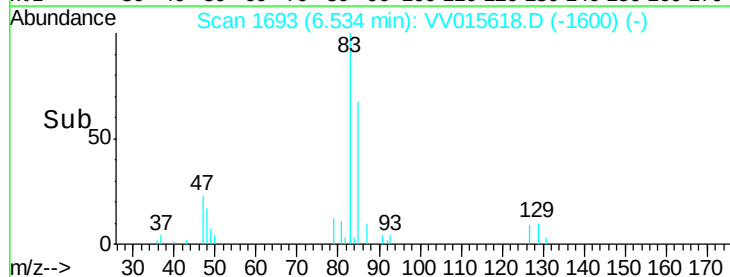
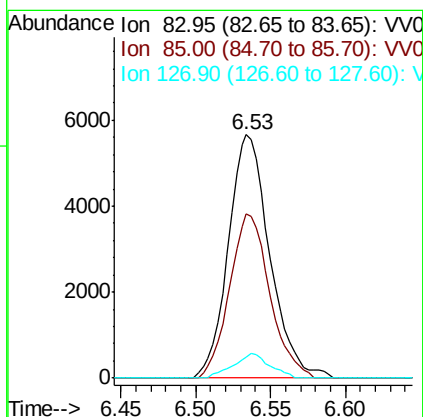
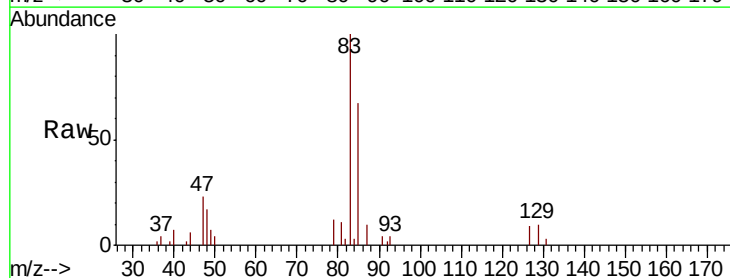
Instrument :
 MSVOA_V
 ClientSampled :

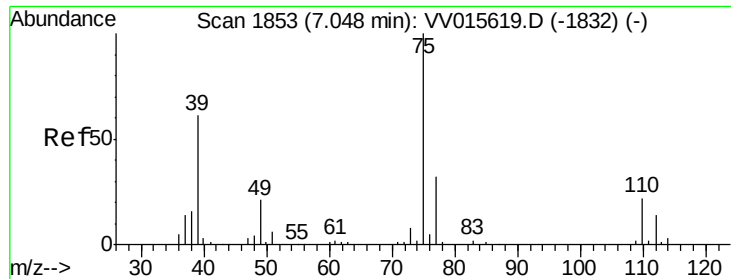
Tot Ion: 63 Resp: 8881
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 0.900 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Tgt Ion: 83 Resp: 10899
 Ion Ratio Lower Upper
 83 100
 85 67.2 44.7 83.1
 127 8.7 5.8 8.6#

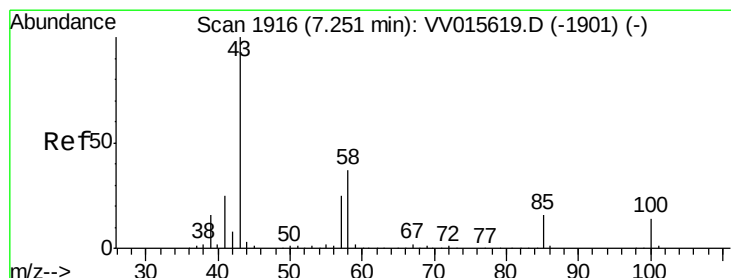
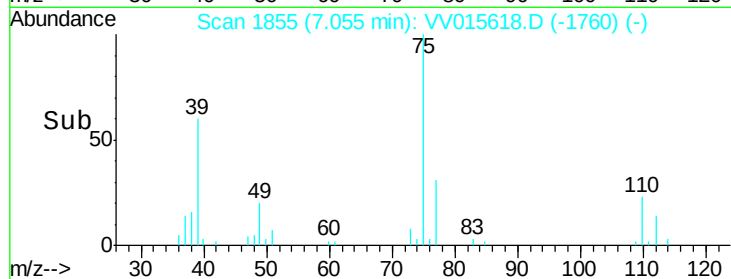
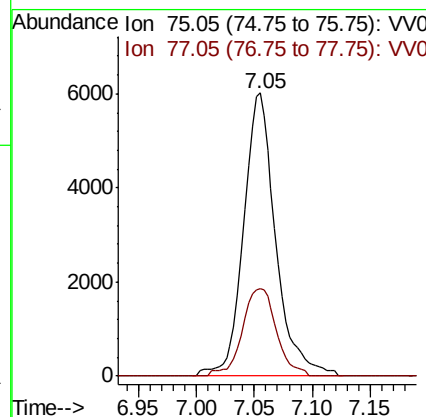
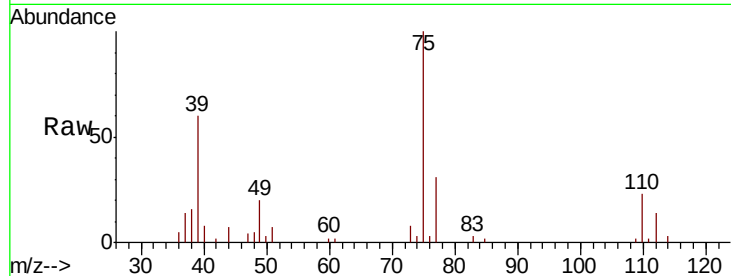




#39
 cis-1,3-Dichloropropene
 Concen: 0.836 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

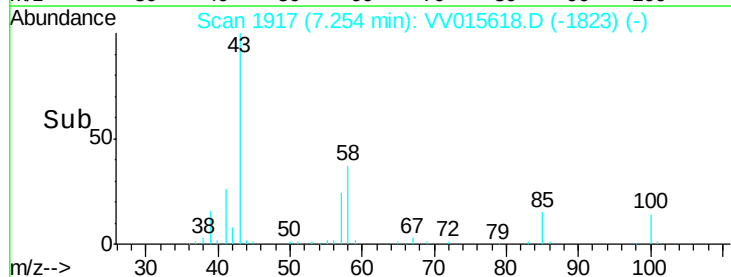
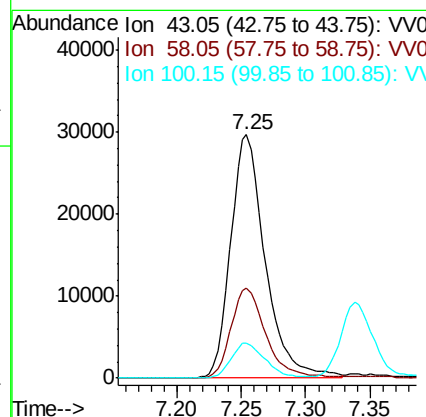
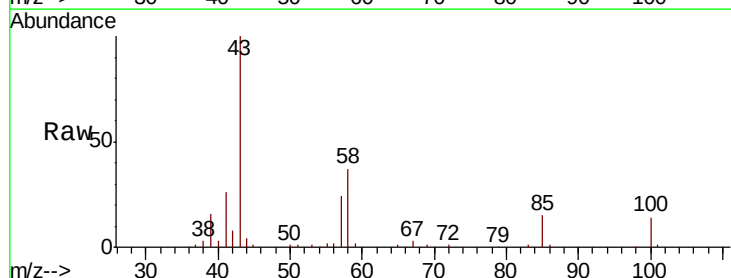
Instrument :
 MSVOA_V
 ClientSampleId :

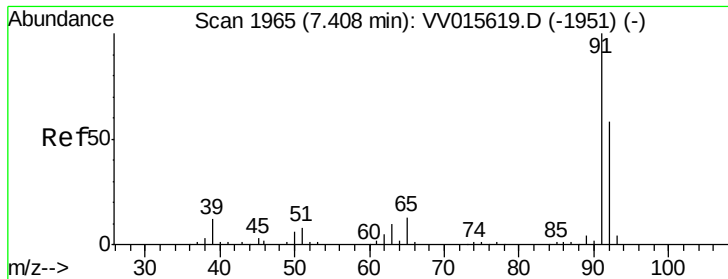
Tot Ion: 75 Resp: 11569
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 9.171 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Tgt Ion: 43 Resp: 55379
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.2 43.8
 100 14.2 11.4 17.2





#42

Toluene

Concen: 0.917 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

Instrument :

MSVOA_V

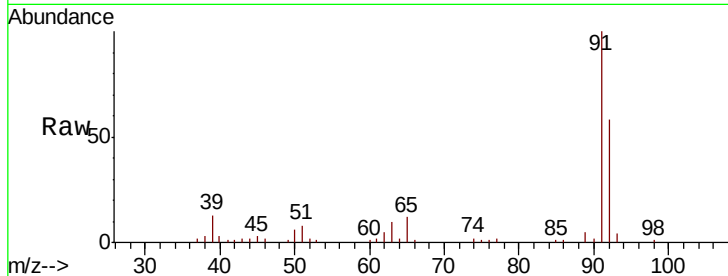
ClientSampleId :

Tot Ion: 91 Resp: 36673

Ion Ratio Lower Upper

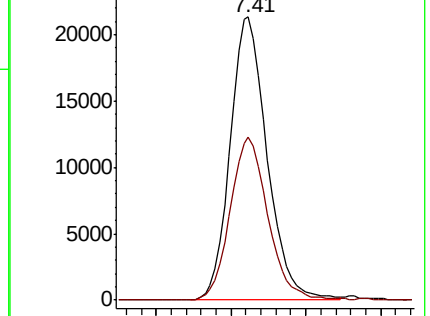
91 100

92 57.6 40.7 75.7

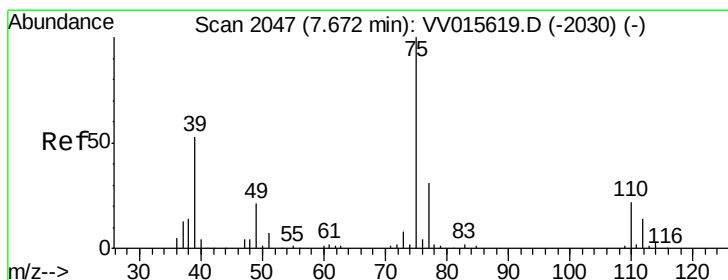
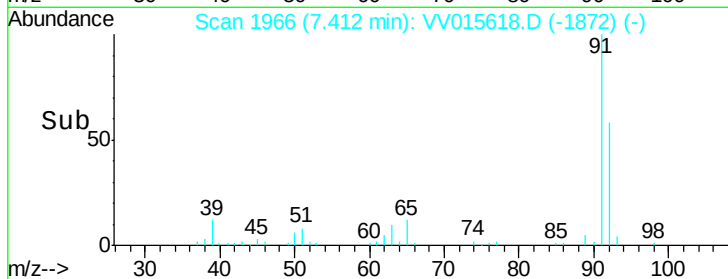


Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.763 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015618.D

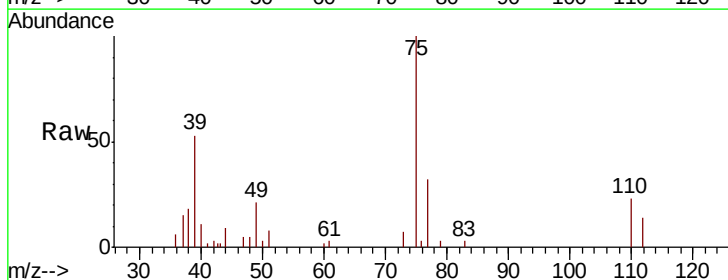
Acq: 22 Apr 2020 13:43

Tgt Ion: 75 Resp: 8971

Ion Ratio Lower Upper

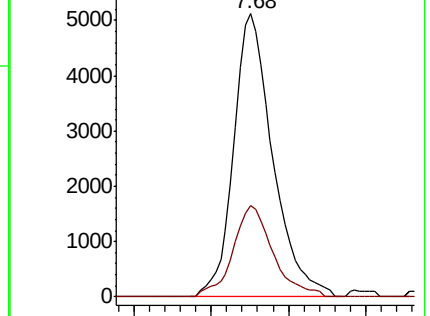
75 100

77 32.1 21.8 40.6

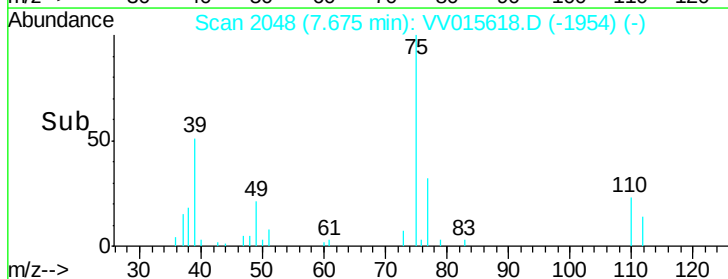


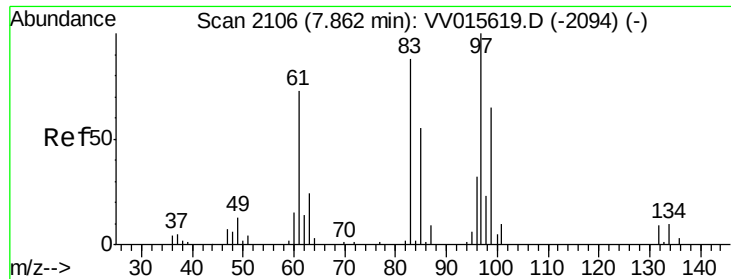
Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



Time-->

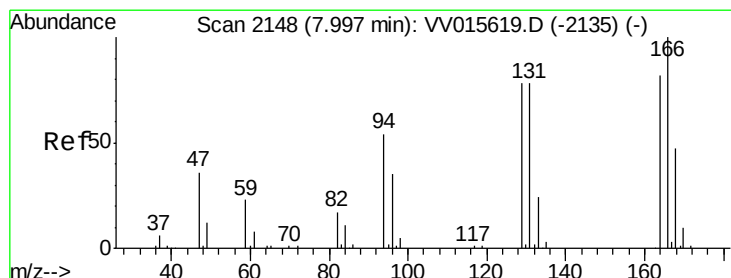
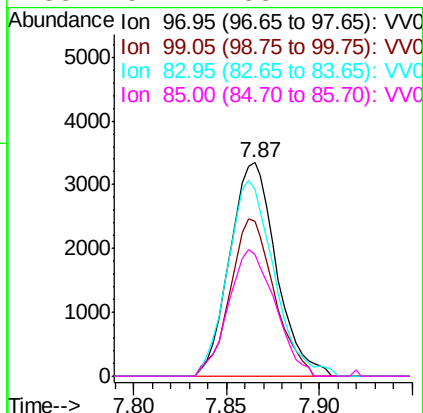
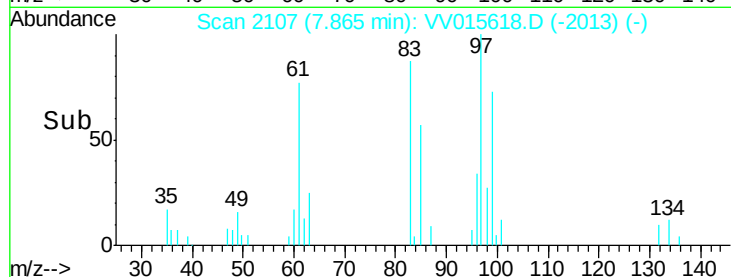
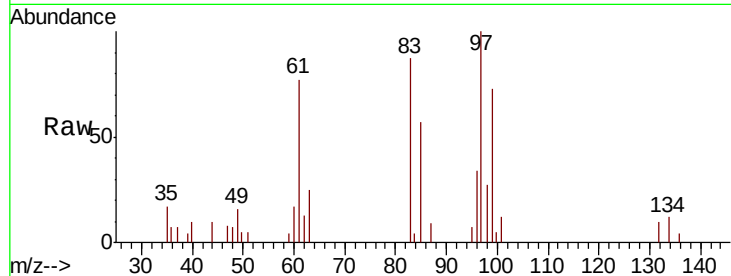




#45
1,1,2-Trichloroethane
Concen: 0.935 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.00 min
Lab File: VV015618.D
Acq: 22 Apr 2020 13:43

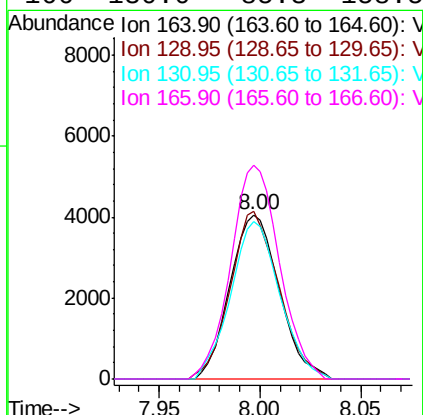
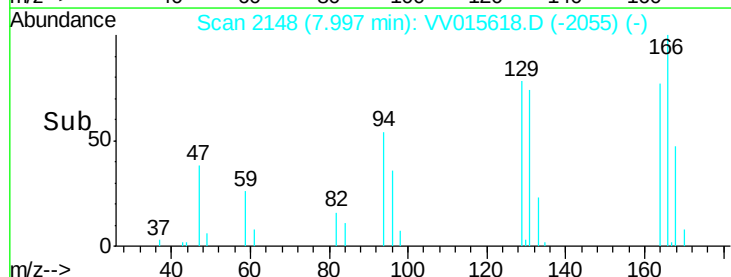
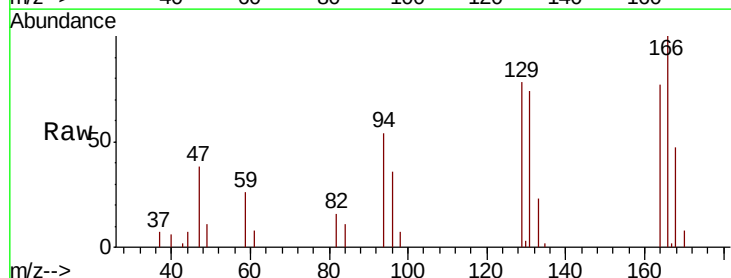
Instrument :
MSVOA_V
ClientSampled :

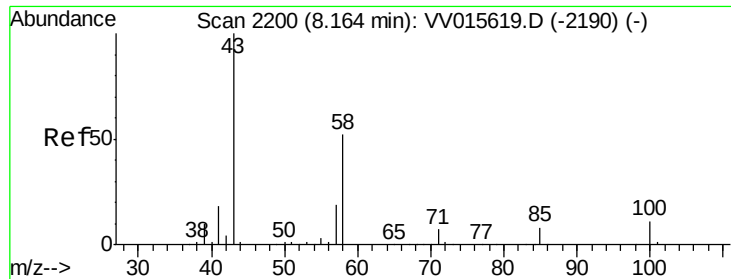
Tot Ion:	97	Resp:	5829
Ion	Ratio	Lower	Upper
97	100		
99	72.8	45.4	84.4
83	87.4	61.3	113.9
85	57.2	38.4	71.4



#47
Tetrachloroethene
Concen: 0.942 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015618.D
Acq: 22 Apr 2020 13:43

Tgt Ion:	164	Resp:	6941
Ion	Ratio	Lower	Upper
164	100		
129	101.7	66.7	123.9
131	96.1	66.6	123.6
166	130.0	85.3	158.5

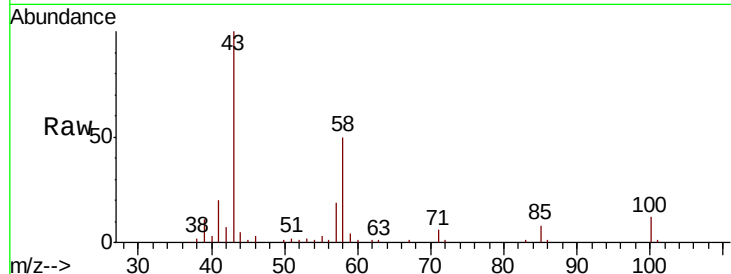




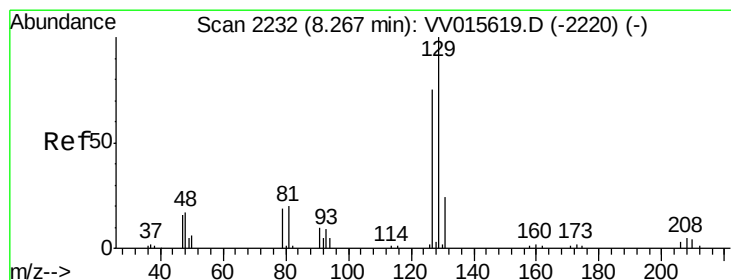
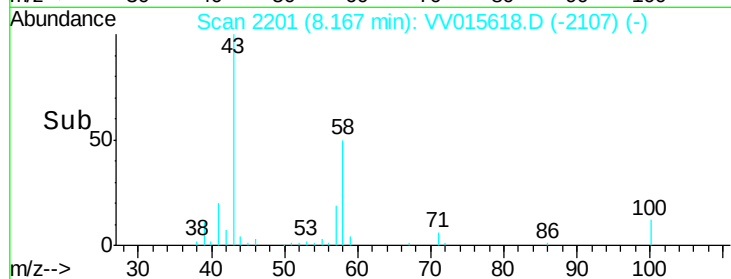
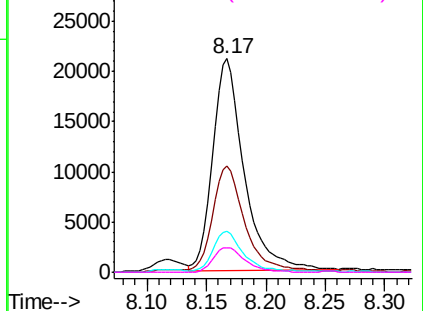
#48
2-Hexanone
Concen: 9.125 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015618.D
Acq: 22 Apr 2020 13:43

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 38681
Ion Ratio Lower Upper
43 100
58 52.1 41.1 61.7
57 17.5 15.0 22.4
100 11.9 9.0 13.4

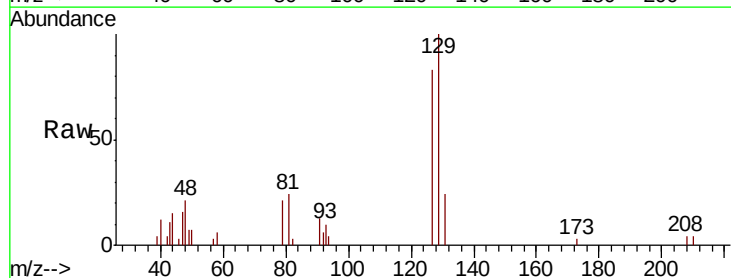


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

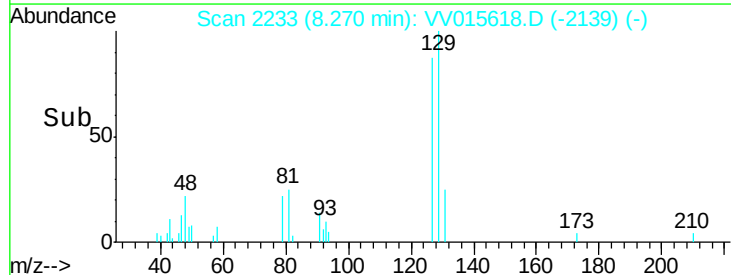
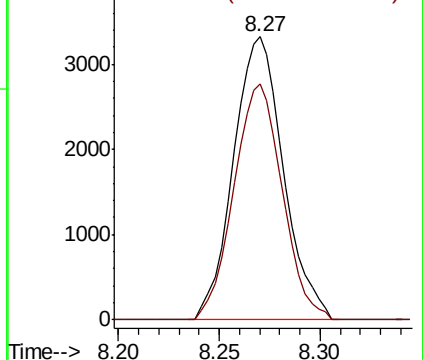


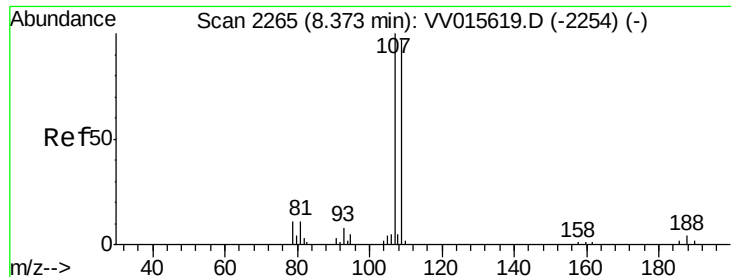
#49
Dibromochloromethane
Concen: 0.798 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015618.D
Acq: 22 Apr 2020 13:43

Tgt Ion: 129 Resp: 5756
Ion Ratio Lower Upper
129 100
127 83.4 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

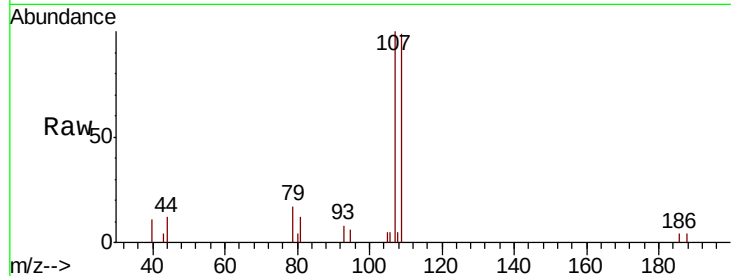




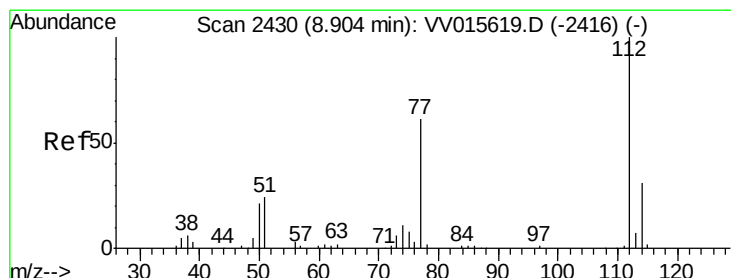
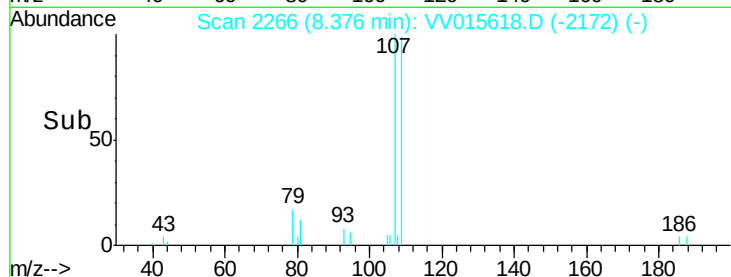
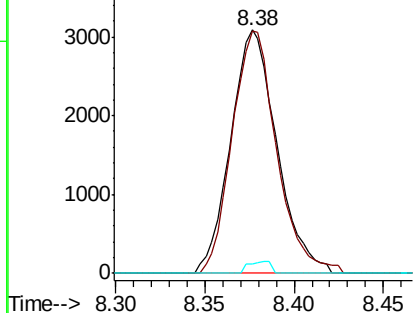
#50
1,2-Dibromoethane
Concen: 0.937 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015618.D
Acq: 22 Apr 2020 13:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 5556
Ion Ratio Lower Upper
107 100
109 99.4 68.1 126.5
188 4.0 3.2 4.8

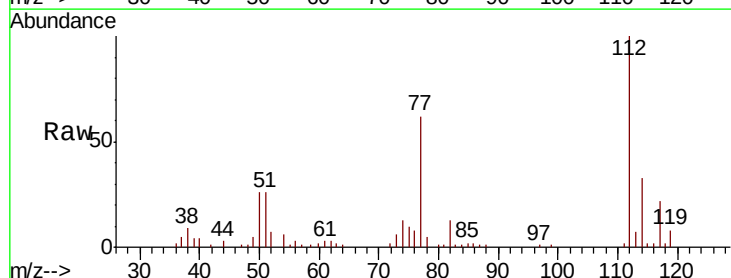


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

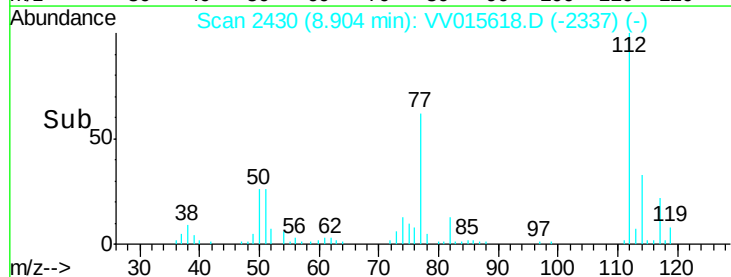
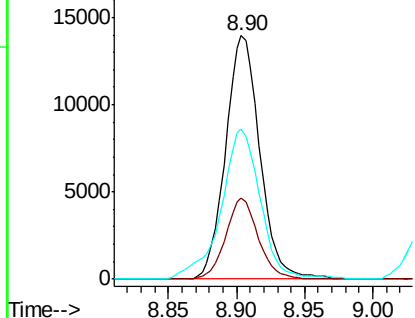


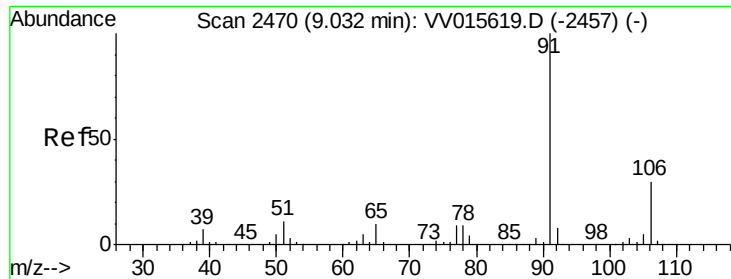
#51
Chlorobenzene
Concen: 0.952 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015618.D
Acq: 22 Apr 2020 13:43

Tgt Ion:112 Resp: 24345
Ion Ratio Lower Upper
112 100
114 33.5 21.6 40.2
77 61.6 48.9 73.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.925 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

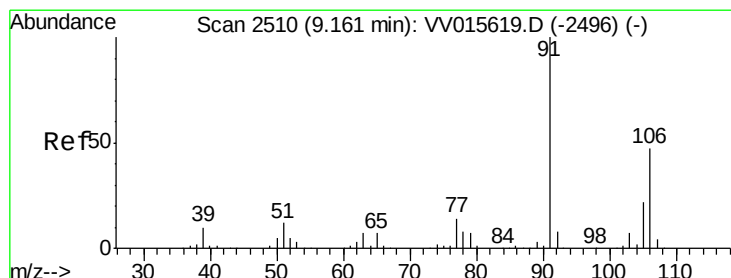
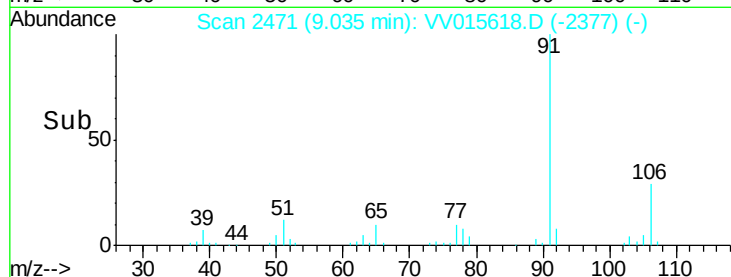
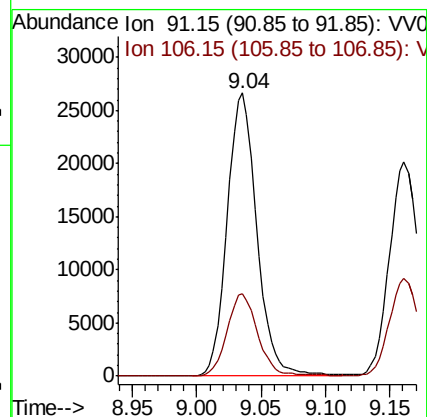
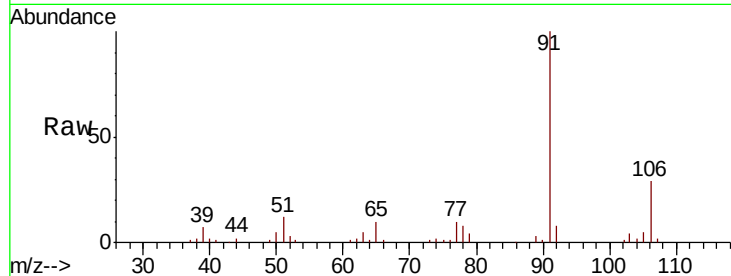
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 42509

Ion Ratio Lower Upper

91 100

106 29.3 21.3 39.5



#53

m,p-xylene

Concen: 0.879 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015618.D

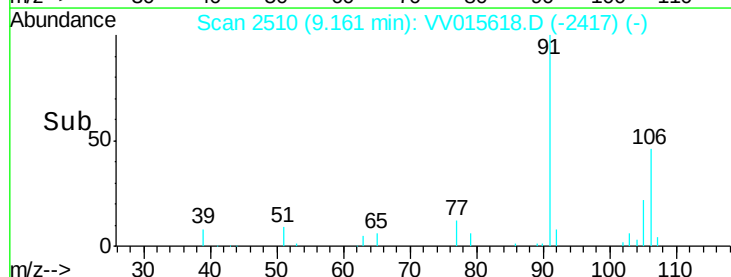
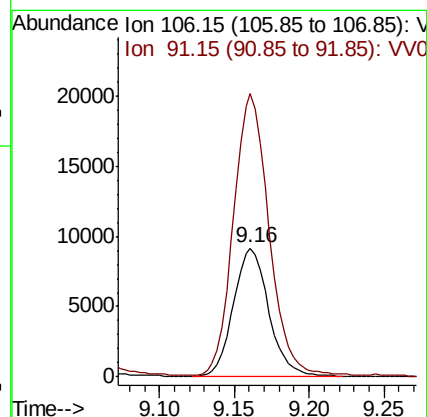
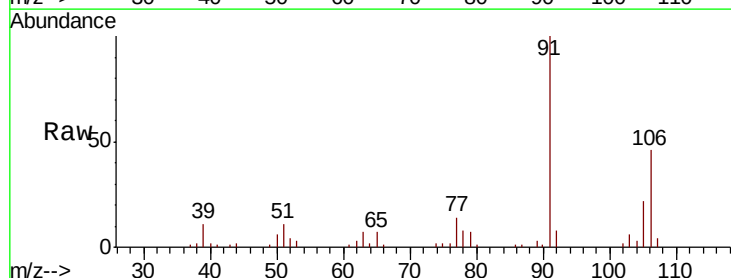
Acq: 22 Apr 2020 13:43

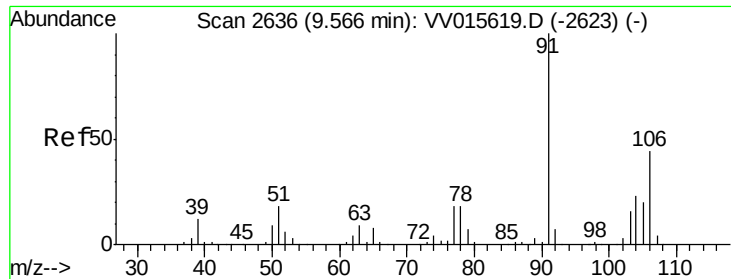
Tgt Ion: 106 Resp: 15219

Ion Ratio Lower Upper

106 100

91 219.5 147.8 274.4





#54

o-xylene

Concen: 0.882 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

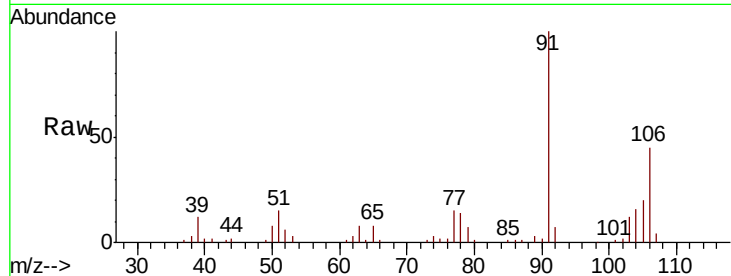
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 14790

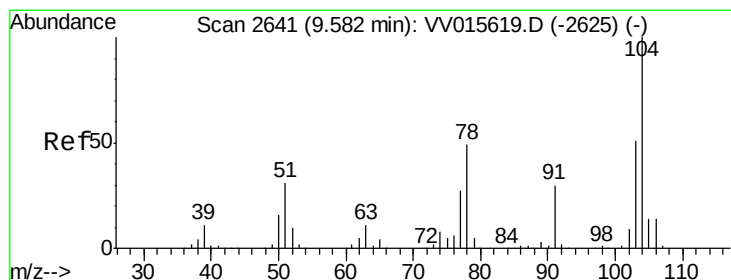
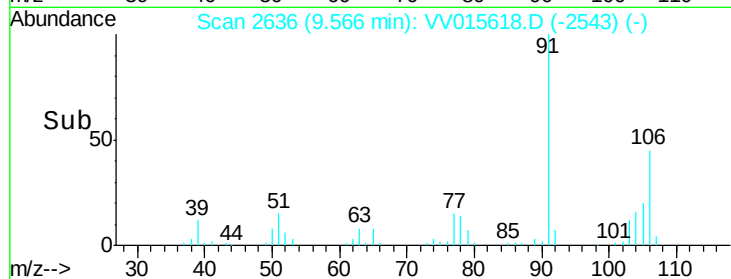
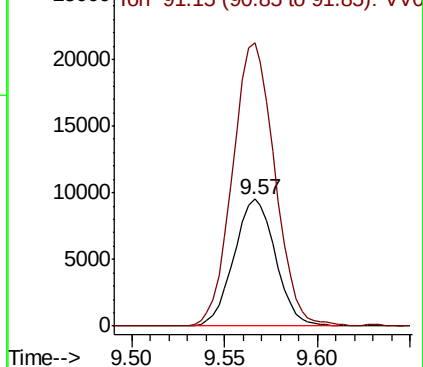
Ion Ratio Lower Upper

106 100

91 222.8 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): VV015618.D (-2543) (-)



#55

Styrene

Concen: 0.869 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015618.D

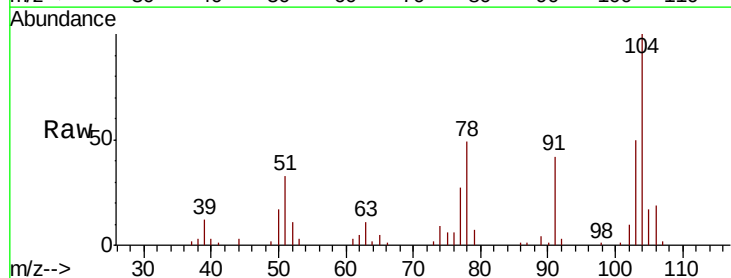
Acq: 22 Apr 2020 13:43

Tgt Ion:104 Resp: 24551

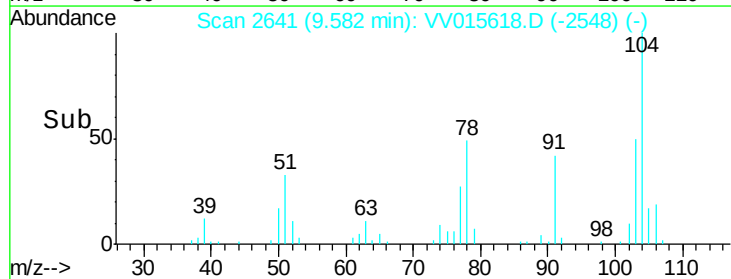
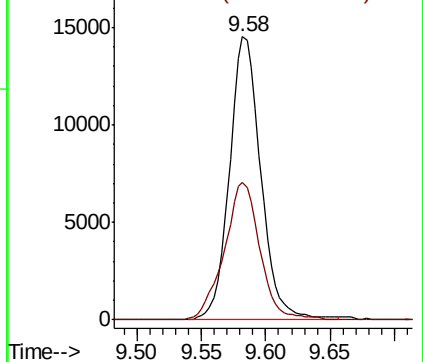
Ion Ratio Lower Upper

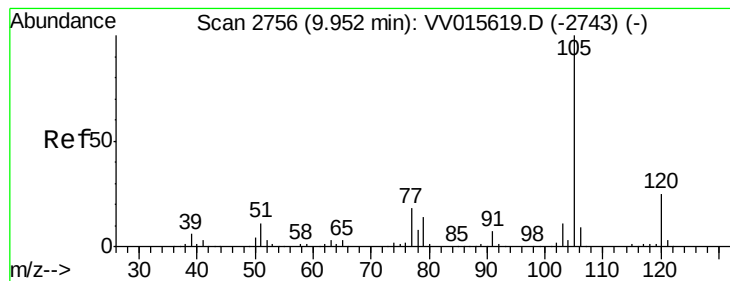
104 100

78 48.7 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): VV015618.D (-2548) (-)





#56

Isopropylbenzene

Concen: 0.899 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

Instrument :
MSVOA_V
ClientSampleId :

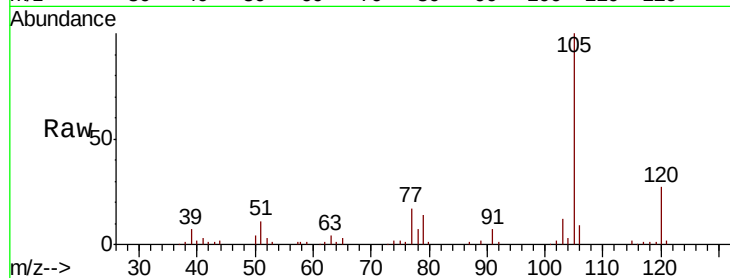
Tot Ion:105 Resp: 41488

Ion Ratio Lower Upper

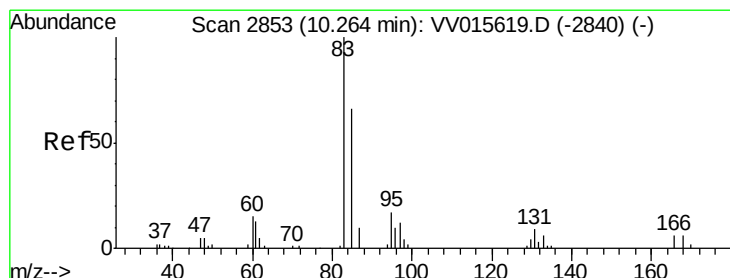
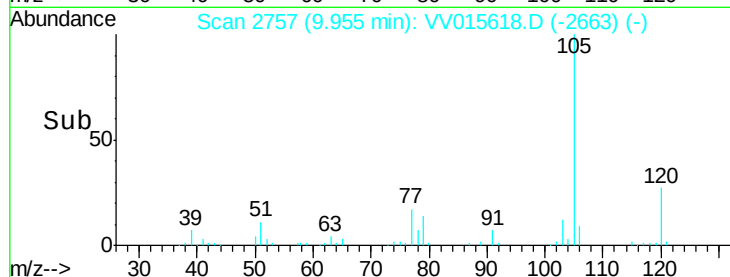
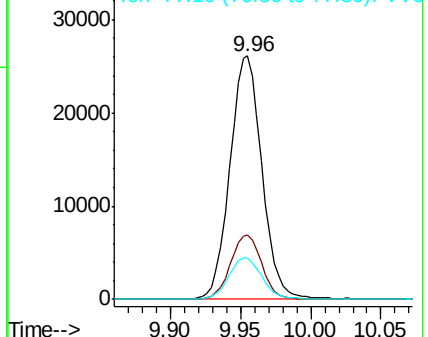
105 100

120 25.6 20.7 31.1

77 17.6 13.9 20.9



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: 0.899 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

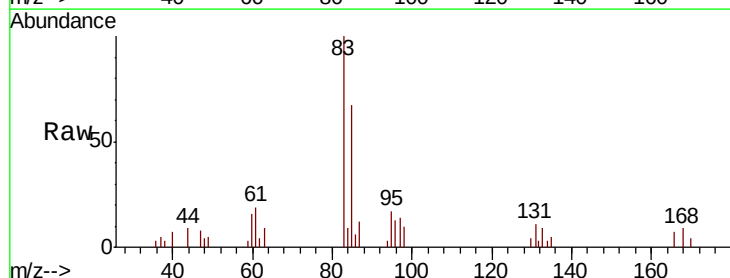
Tgt Ion: 83 Resp: 6729

Ion Ratio Lower Upper

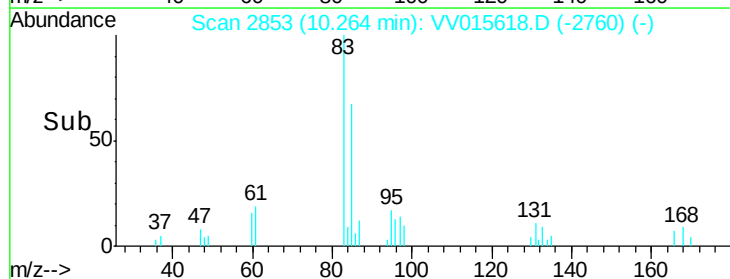
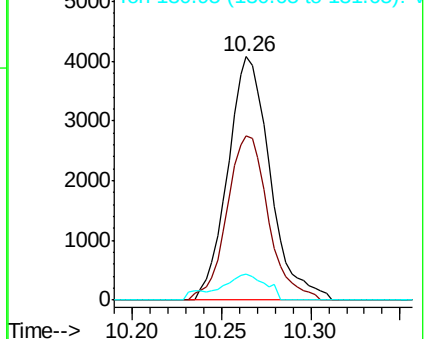
83 100

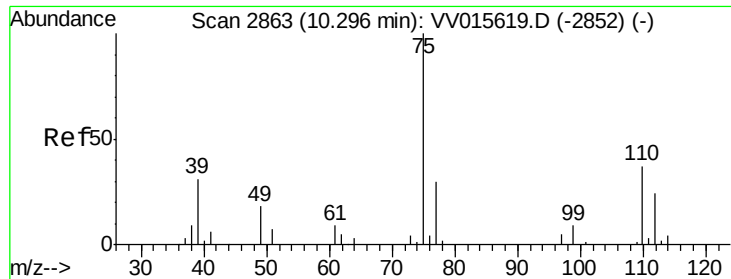
85 67.2 46.3 85.9

131 10.7 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: 0.992 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

Instrument :

MSVOA_V

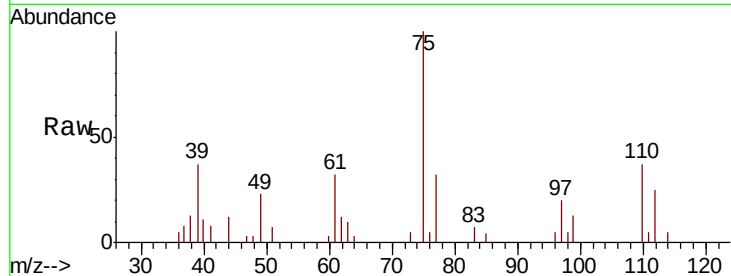
ClientSampleId :

Tot Ion: 75 Resp: 5666

Ion Ratio Lower Upper

75 100

77 33.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015619.D (-2852) (-)

Ion 77.00 (76.70 to 77.70): VV015619.D (-2852) (-)

10.30

3000

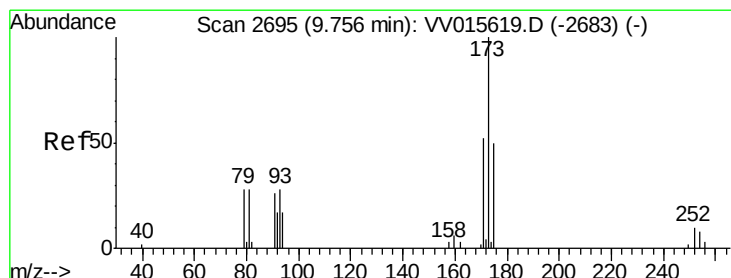
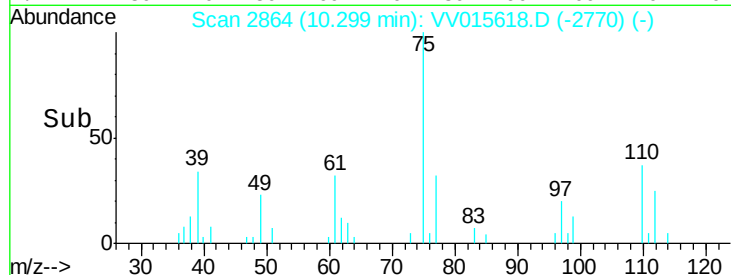
2000

1000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 0.674 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

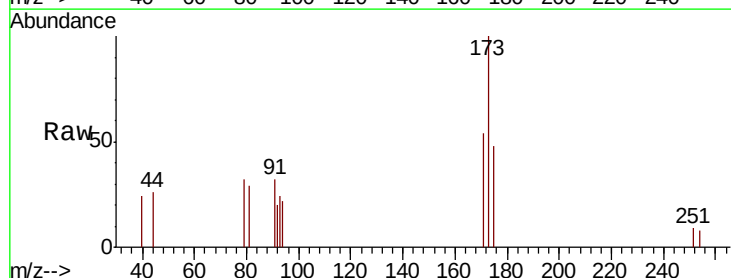
Tgt Ion: 173 Resp: 2271

Ion Ratio Lower Upper

173 100

175 49.3 39.8 59.8

254 3.7 5.8 8.8#



Abundance Ion 172.90 (172.60 to 173.60): VV015619.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015619.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015619.D (-2683) (-)

9.76

2000

1500

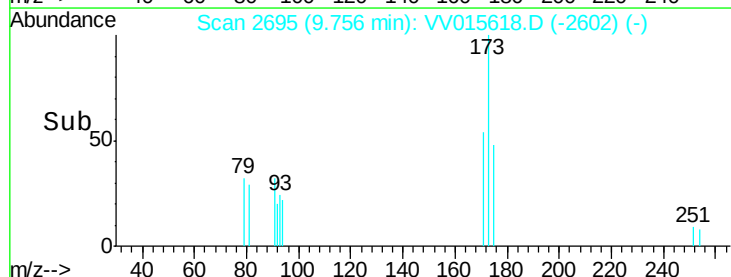
1000

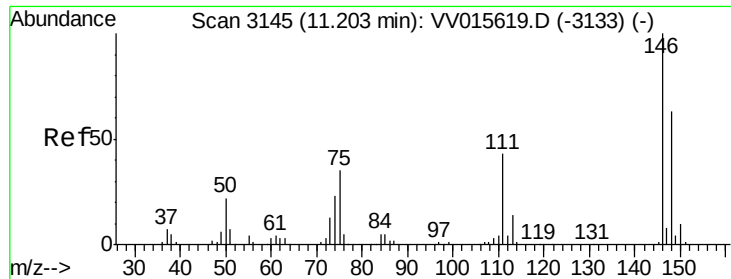
500

0

Time-->

9.70 9.75 9.80

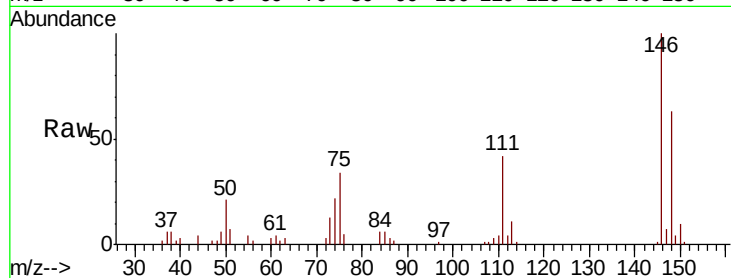




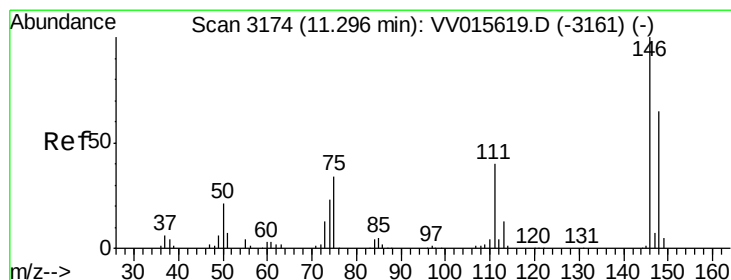
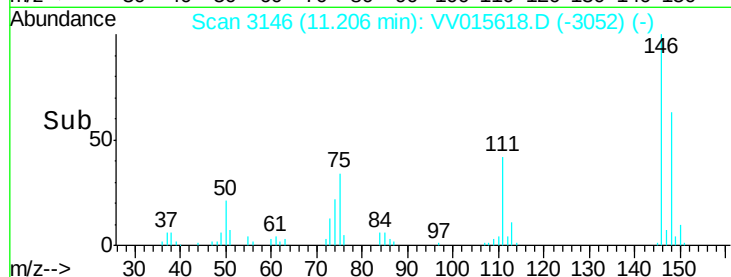
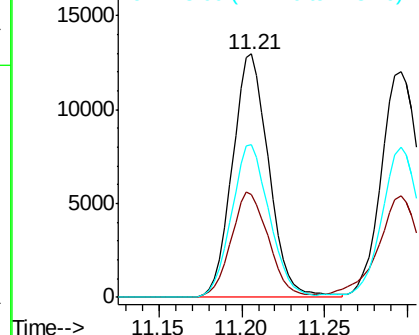
#62
 1,3-Dichlorobenzene
 Concen: 0.999 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 19727
 Ion Ratio Lower Upper
 146 100
 111 42.2 30.0 55.6
 148 62.7 44.2 82.2

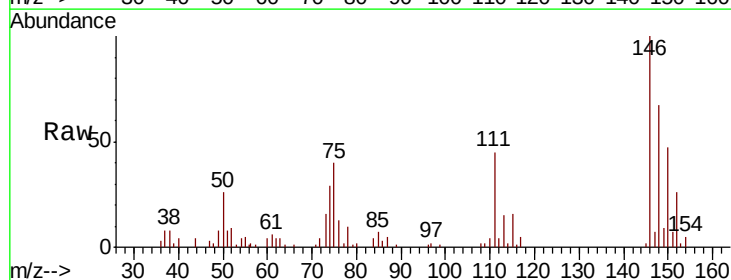


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

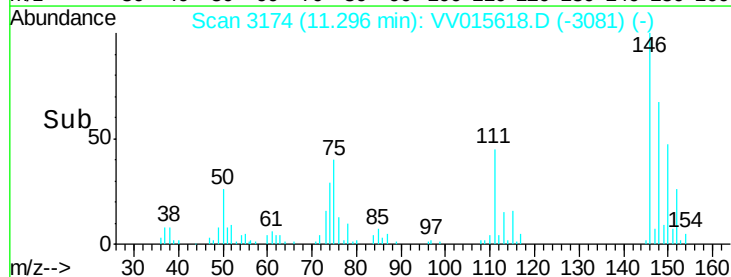
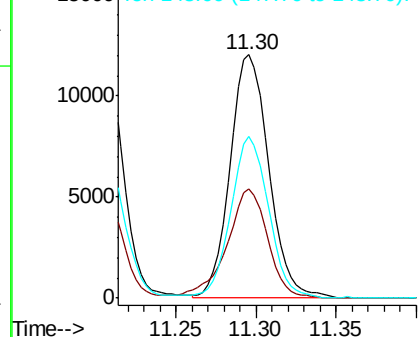


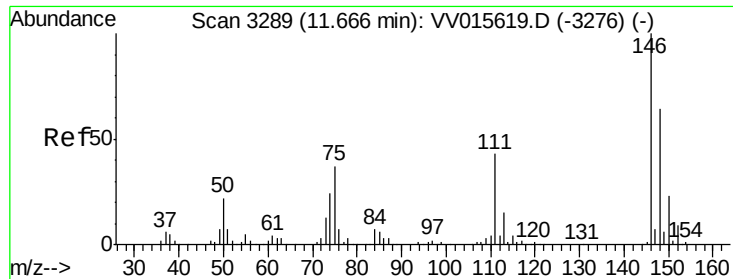
#63
 1,4-Dichlorobenzene
 Concen: 0.990 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Tgt Ion:146 Resp: 19923
 Ion Ratio Lower Upper
 146 100
 111 45.0 28.2 52.4
 148 66.5 45.7 84.9



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: 0.984 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

Instrument :

MSVOA_V

ClientSampled :

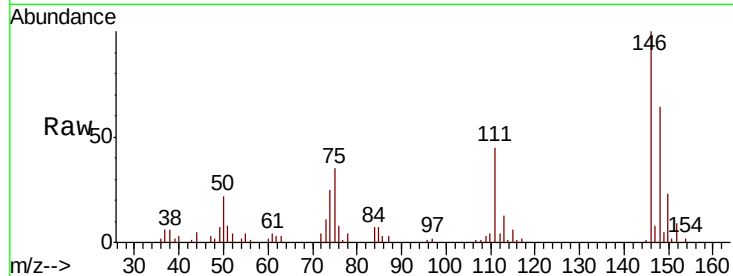
Tot Ion:146 Resp: 17815

Ion Ratio Lower Upper

146 100

111 45.4 34.7 52.1

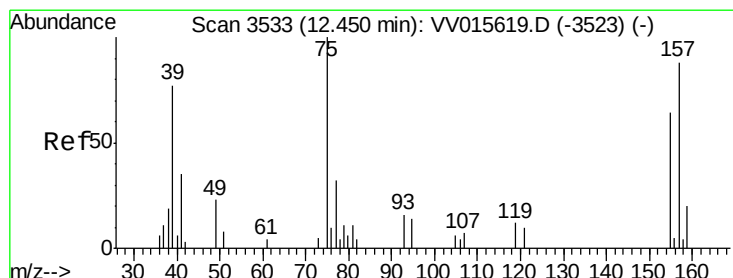
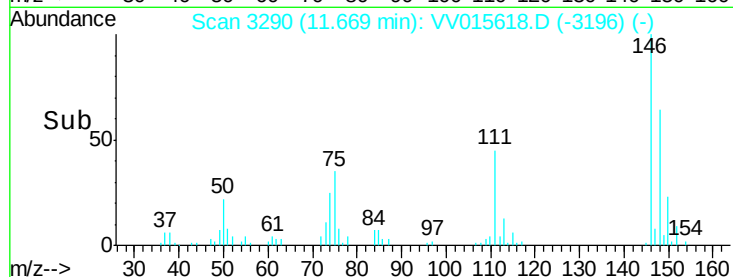
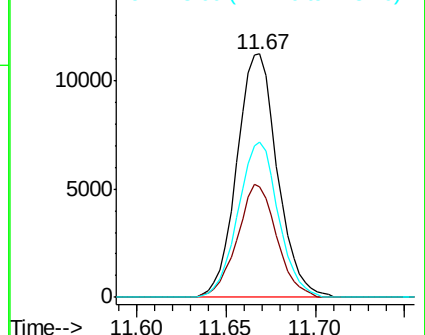
148 64.0 51.3 76.9



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: 0.866 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. 0.01 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

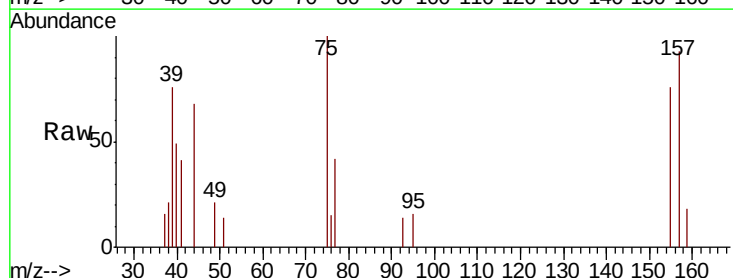
Tgt Ion: 75 Resp: 1165

Ion Ratio Lower Upper

75 100

155 76.3 51.0 76.4

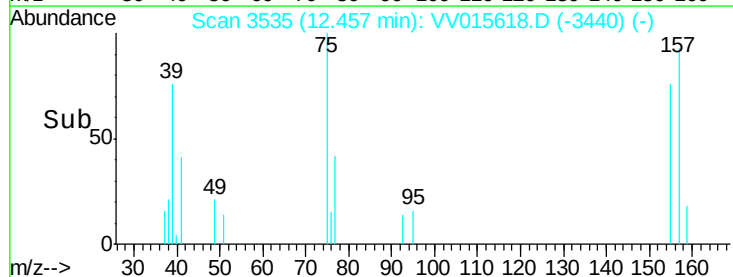
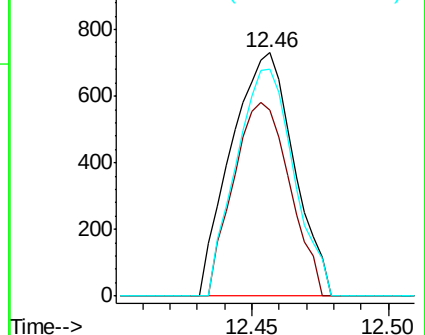
157 93.4 70.6 106.0

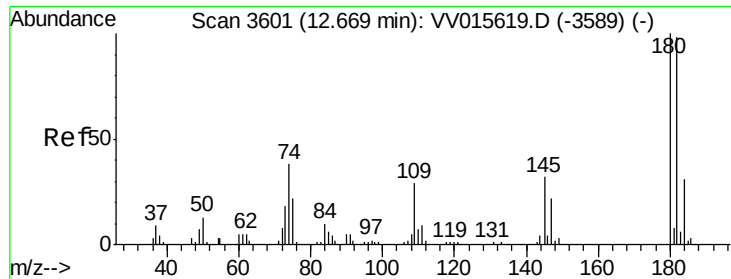


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

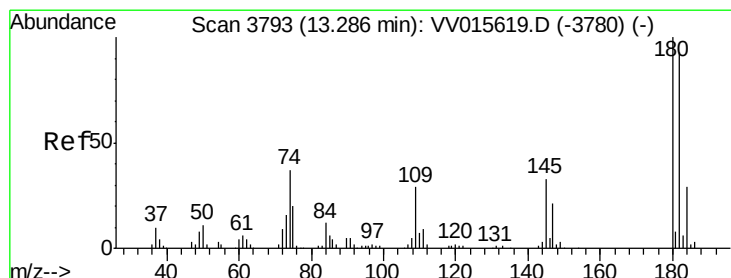
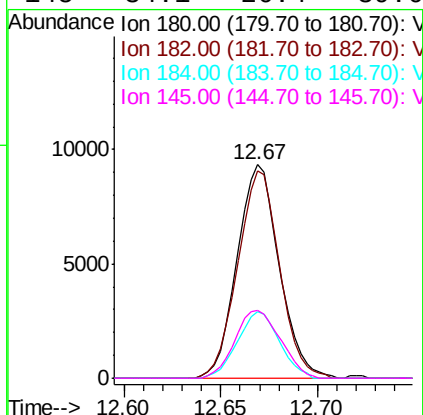
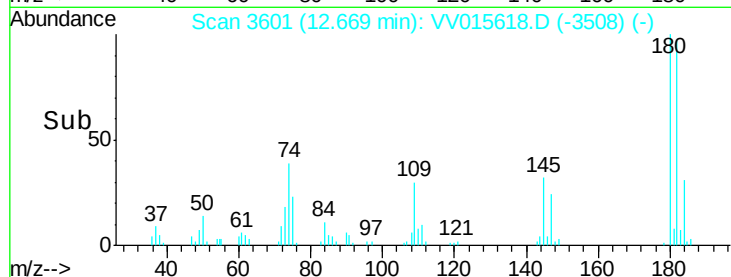
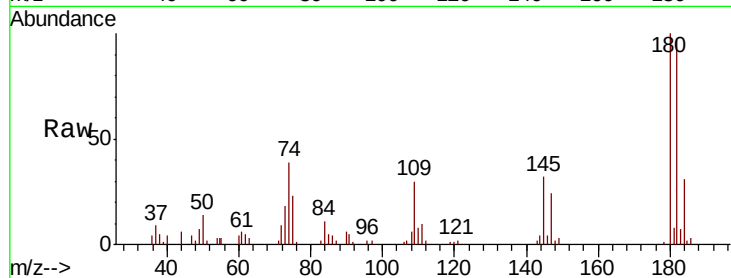




#67
 1,3,5-Trichlorobenzene
 Concen: 0.990 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

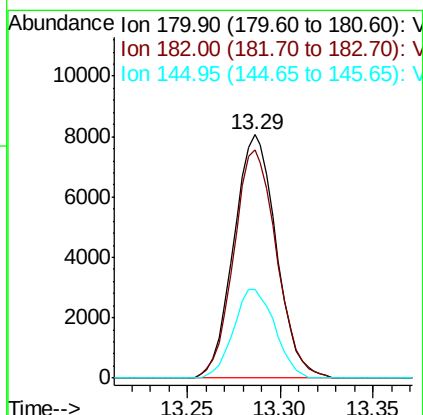
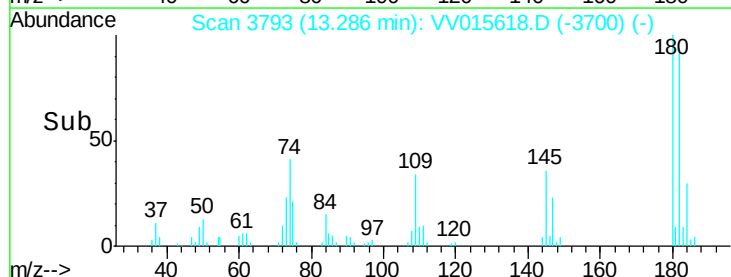
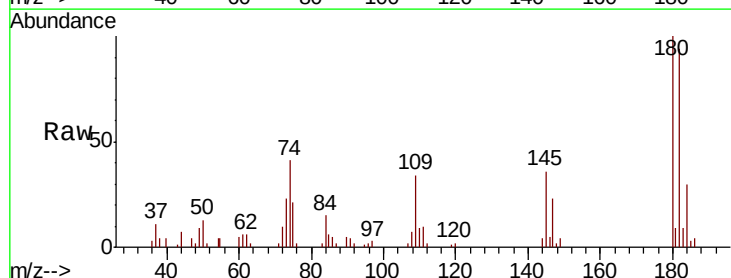
Instrument :
 MSVOA_V
 ClientSampleId :

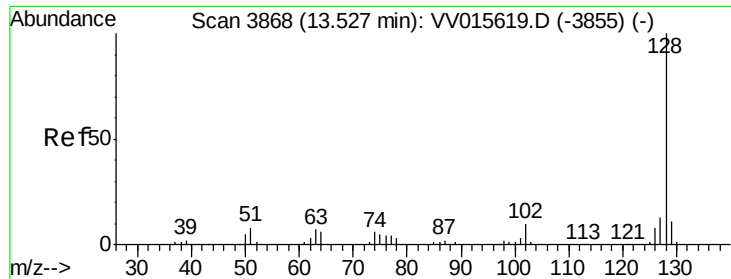
Tot Ion:180 Resp: 14159
 Ion Ratio Lower Upper
 180 100
 182 96.3 78.2 117.4
 184 31.0 25.0 37.4
 145 34.1 26.4 39.6



#68
 1,2,4-trichlorobenzene
 Concen: 0.983 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015618.D
 Acq: 22 Apr 2020 13:43

Tgt Ion:180 Resp: 12810
 Ion Ratio Lower Upper
 180 100
 182 94.4 74.8 112.2
 145 35.4 25.9 38.9





#69

Naphthalene

Concen: 0.902 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

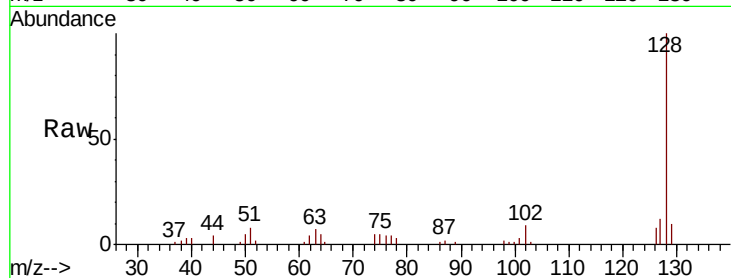
Tot Ion:128 Resp: 21800

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

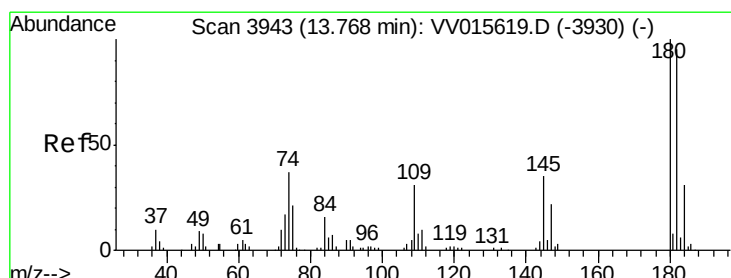
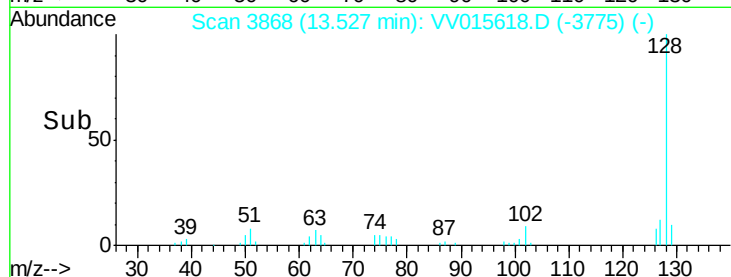
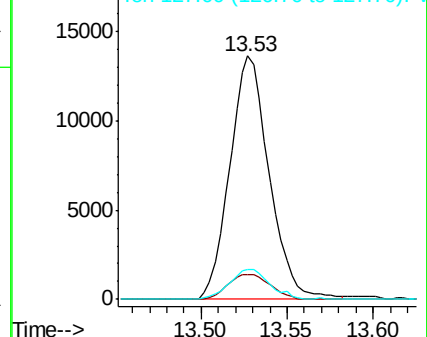
127 12.5 10.2 15.4



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: 0.995 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015618.D

Acq: 22 Apr 2020 13:43

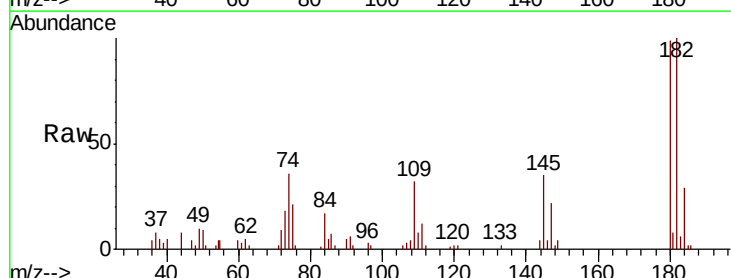
Tgt Ion:180 Resp: 11416

Ion Ratio Lower Upper

180 100

182 95.9 74.8 112.2

145 34.2 28.4 42.6



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

