

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015704.D
 Acq On : 25 Apr 2020 19:24
 Operator : SY/MD
 Sample : L2413-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 27 01:17:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 27 01:12:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	120837	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	115986	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	53626	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26226	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.58	69	27572	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.12	63	42696	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	3.91	46	101555	50.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.16%
24) Chloroform-d	4.38	84	70007	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.06	65	40922	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.08	84	130053	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.09	67	42841	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.34	98	115663	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.65	79	10568	3.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.80%
46) 2-Hexanone-d5	8.11	63	76737	46.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30852	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	44696	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

				Ovalue
3) Chloromethane	1.22	50	3752	0.419 ug/L # 75
5) Vinyl chloride	1.32	62	22837	2.388 ug/L # 86
8) Chloroethane	1.38	64	486886	77.519 ug/L # 51
12) 1,1-Dichloroethene	2.12	96	553	0.079 ug/L # 1
13) Acetone	2.19	43	2712	1.926 ug/L # 98
15) Methyl Acetate	2.51	43	2141	0.639 ug/L # 56
18) trans-1,2-Dichloroethene	2.78	96	7056	0.896 ug/L # 98
21) 2-Butanone	4.04	43	2328	1.072 ug/L # 57
22) cis-1,2-Dichloroethene	3.94	96	62228	7.147 ug/L # 99
27) 1,2-Dichloroethane	5.08	62	913	0.085 ug/L # 78
30) Cyclohexane	4.71	56	11504	0.819 ug/L # 99
33) Benzene	5.13	78	2557	0.077 ug/L # 100
34) Trichloroethene	5.94	95	6338	0.693 ug/L # 91
35) Methylcyclohexane	6.16	83	3573	0.254 ug/L # 85
37) 1,2-Dichloropropane	6.09	63	5374	0.638 ug/L # 86
47) Tetrachloroethene	8.00	164	2318	0.352 ug/L # 89
48) 2-Hexanone	8.17	43	3540	0.908 ug/L # 87

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QLast Update : Mon Apr 27 01:12:28 2020
Response via : Initial Calibration

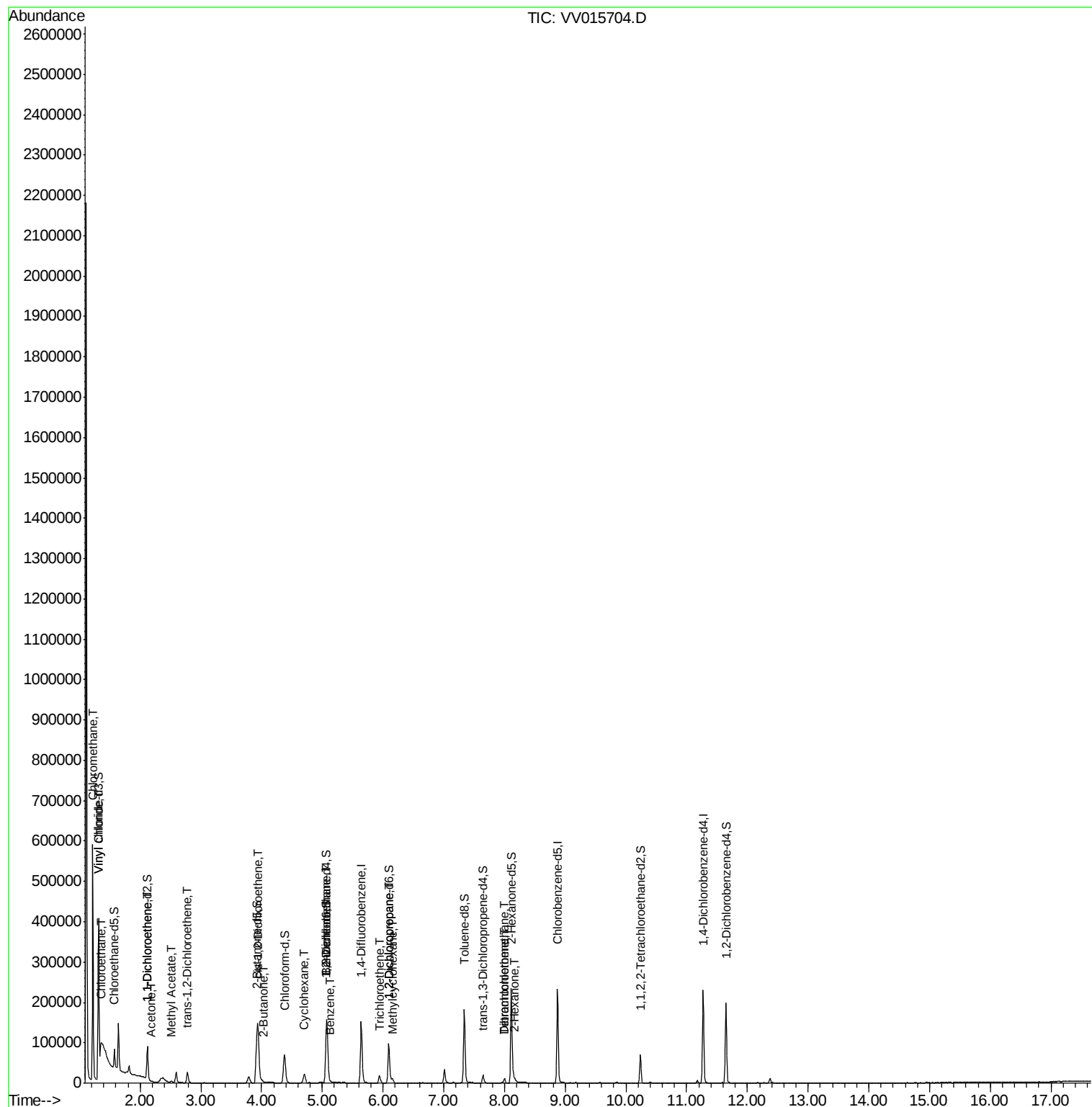
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.00	129	2327	0.392	ug/L #	12
-----	-----	-----	-----	-----	-----	-----

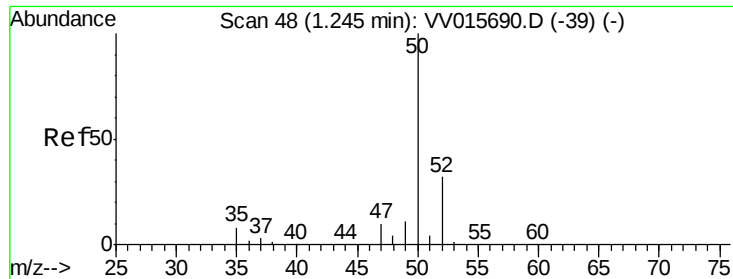
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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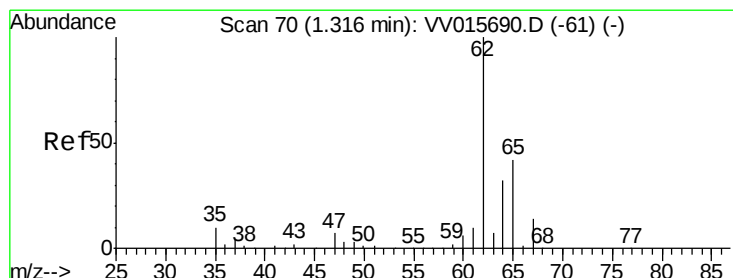
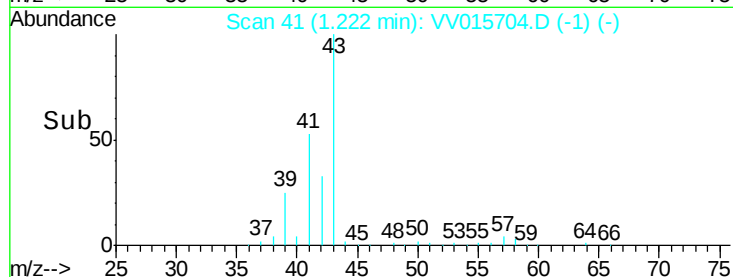
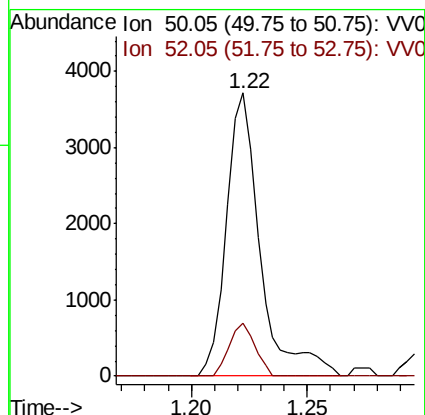
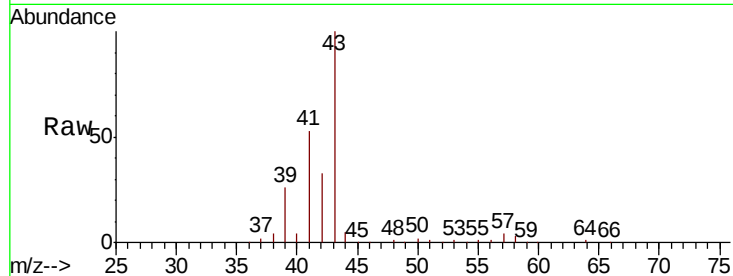




#3
 Chloromethane
 Concen: 0.419 ug/L
 RT: 1.22 min Scan# 41
 Delta R.T. -0.02 min
 Lab File: VV015704.D
 Acq: 25 Apr 2020 19:24

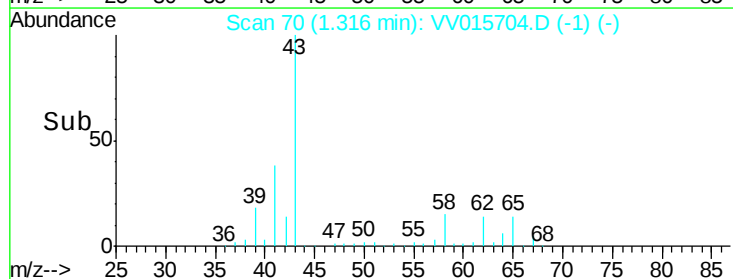
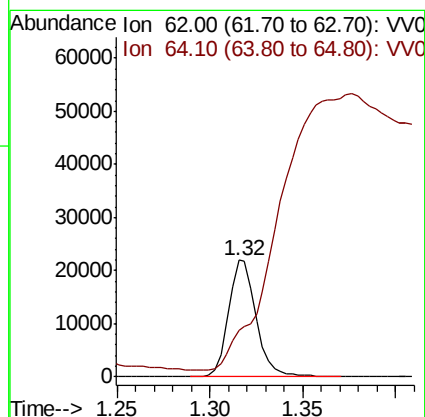
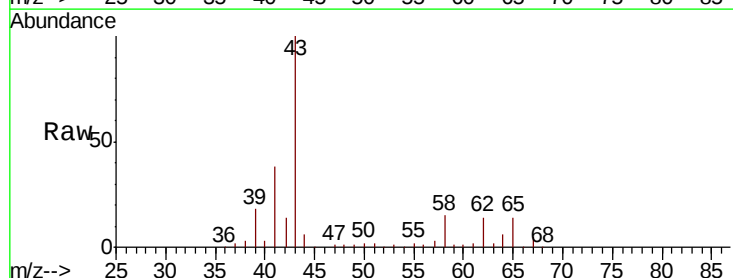
Instrument :
 MSVOA_V
 ClientSampleId :

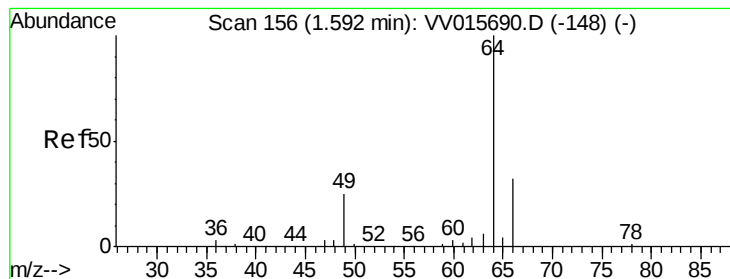
Tot Ion: 50 Resp: 3752
 Ion Ratio Lower Upper
 50 100
 52 18.6 22.9 42.5#



#5
 Vinyl chloride
 Concen: 2.388 ug/L
 RT: 1.32 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: VV015704.D
 Acq: 25 Apr 2020 19:24

Tgt Ion: 62 Resp: 22837
 Ion Ratio Lower Upper
 62 100
 64 40.1 22.7 42.1





#8

Chloroethane

Concen: 77.519 ug/L

RT: 1.38 min Scan# 89

Delta R.T. -0.22 min

Lab File: VV015704.D

Acq: 25 Apr 2020 19:24

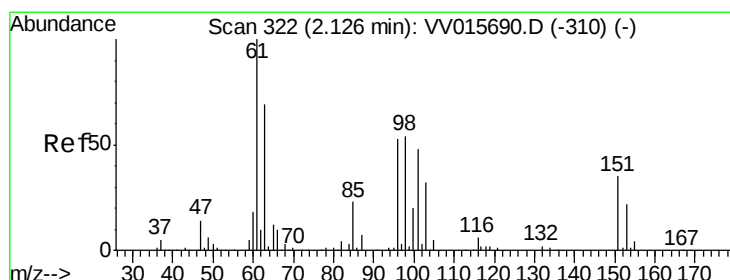
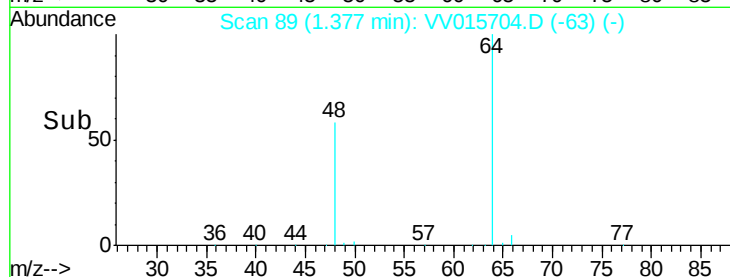
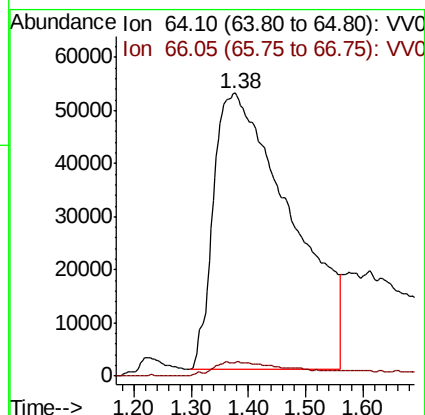
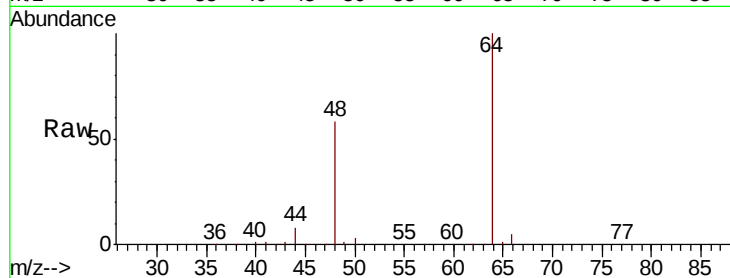
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 486886

Ion Ratio Lower Upper

64 100

66 4.7 22.3 41.5#



#12

1,1-Dichloroethene

Concen: 0.079 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015704.D

Acq: 25 Apr 2020 19:24

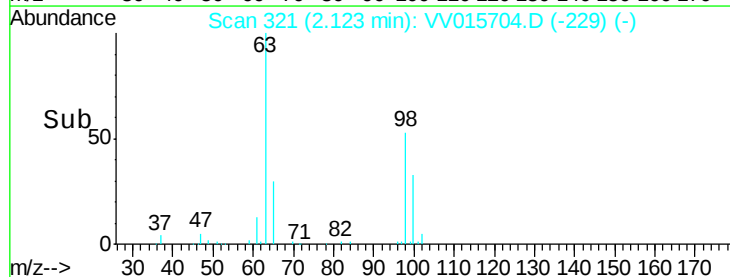
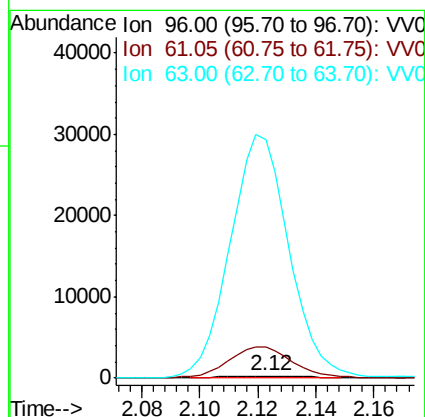
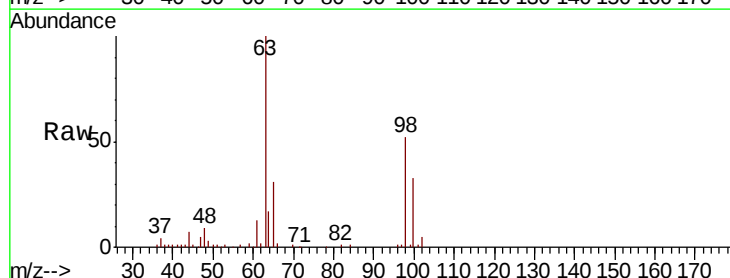
Tgt Ion: 96 Resp: 553

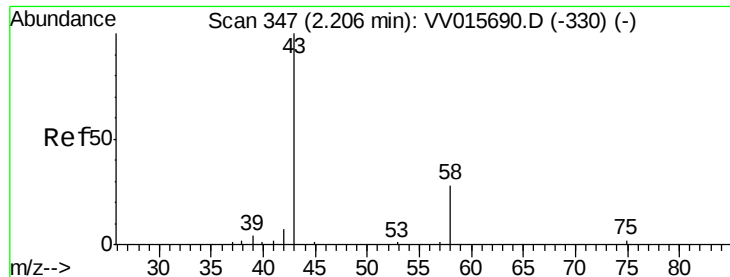
Ion Ratio Lower Upper

96 100

61 1310.1 130.1 241.7#

63 10241.1 91.4 169.8#





#13

Acetone

Concen: 1.926 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV015704.D

Acq: 25 Apr 2020 19:24

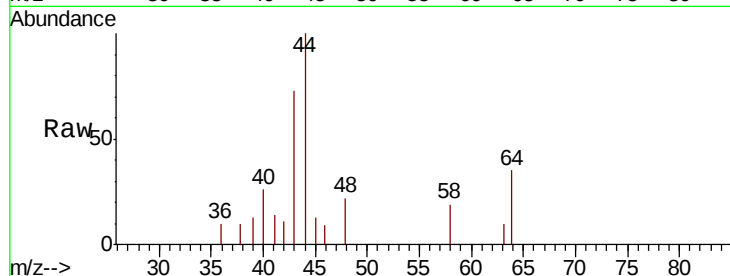
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 2712

Ion Ratio Lower Upper

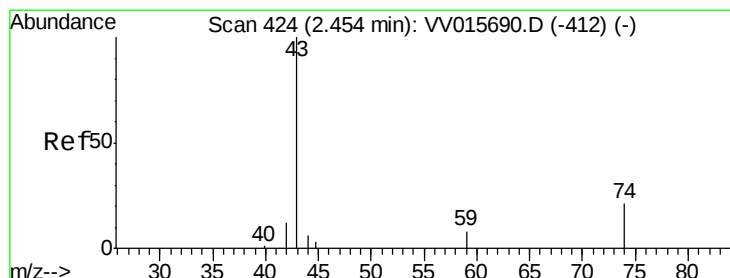
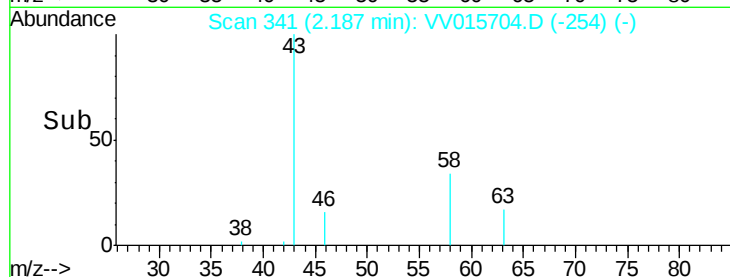
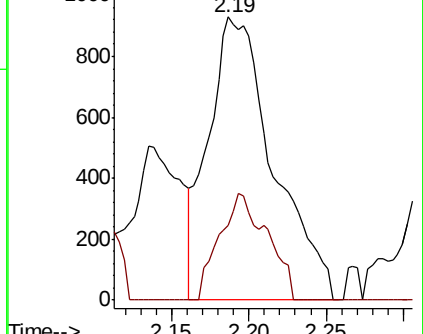
43 100

58 27.7 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#15

Methyl Acetate

Concen: 0.639 ug/L

RT: 2.51 min Scan# 443

Delta R.T. 0.06 min

Lab File: VV015704.D

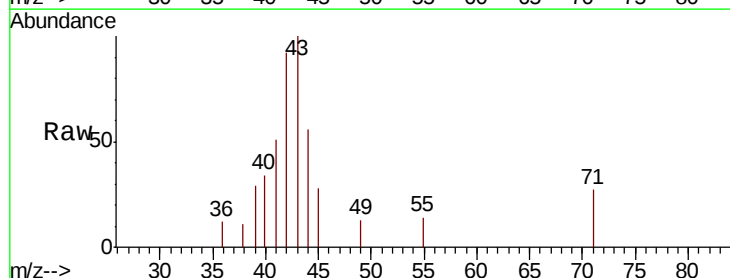
Acq: 25 Apr 2020 19:24

Tgt Ion: 43 Resp: 2141

Ion Ratio Lower Upper

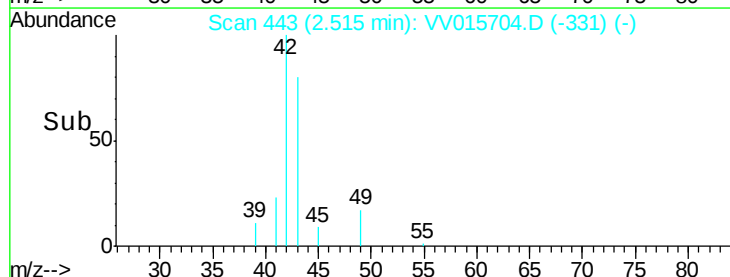
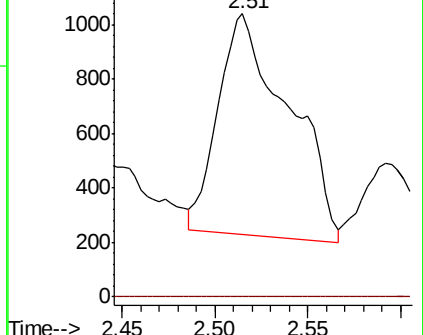
43 100

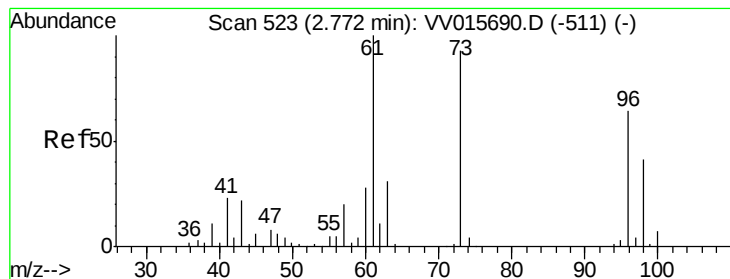
74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.896 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV015704.D

Acq: 25 Apr 2020 19:24

Instrument :
MSVOA_V
ClientSampled :

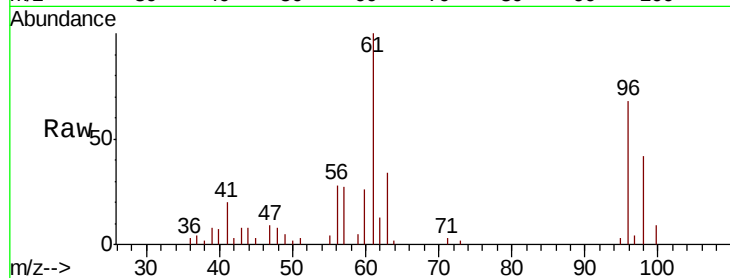
Tot Ion: 96 Resp: 7056

Ion Ratio Lower Upper

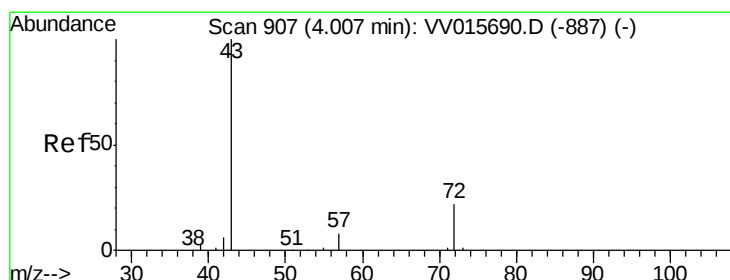
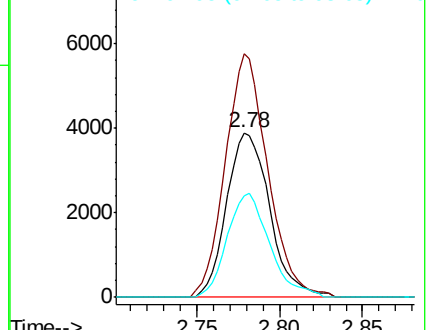
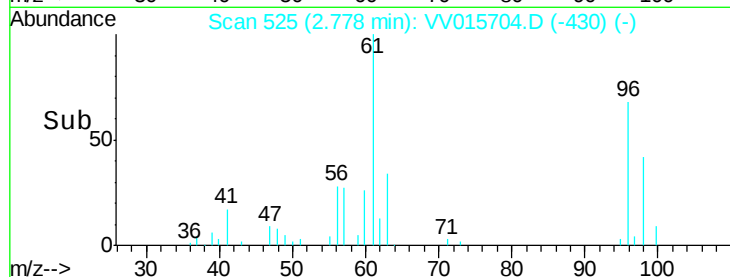
96 100

61 147.7 105.5 195.9

98 61.9 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV015704.D (-430) (-)



#21

2-Butanone

Concen: 1.072 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.03 min

Lab File: VV015704.D

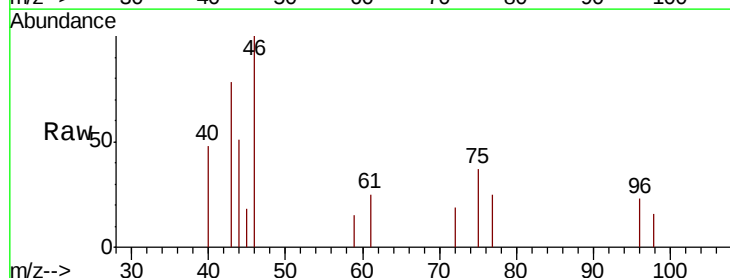
Acq: 25 Apr 2020 19:24

Tgt Ion: 43 Resp: 2328

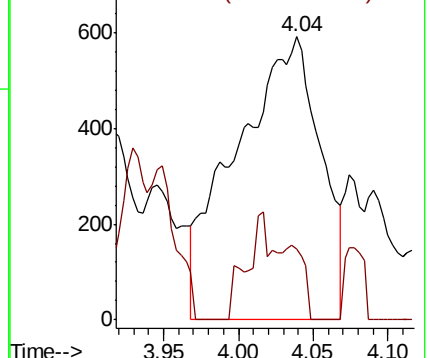
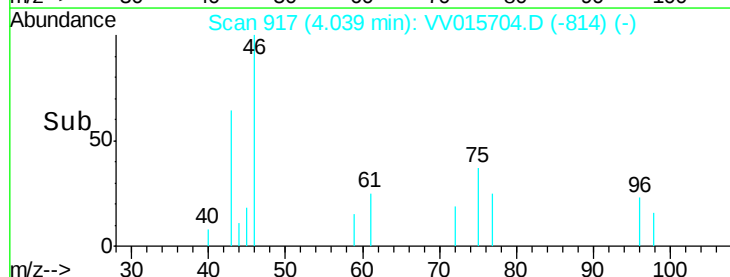
Ion Ratio Lower Upper

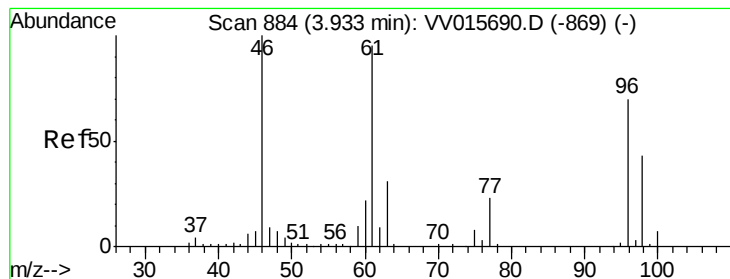
43 100

72 3.0 12.3 36.9#



Abundance Ion 43.00 (42.70 to 43.70): VV015704.D (-814) (-)



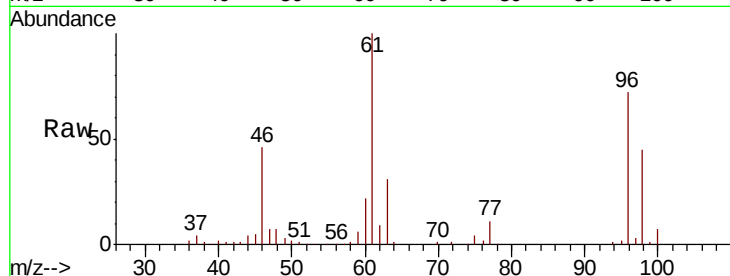


#22

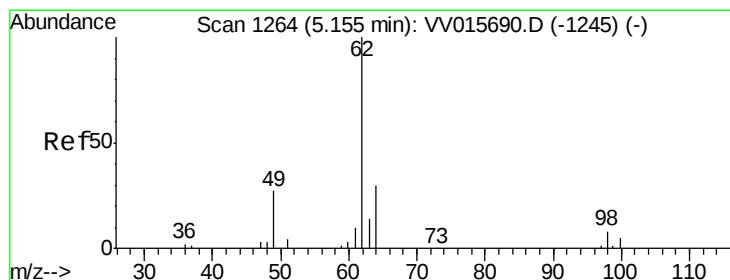
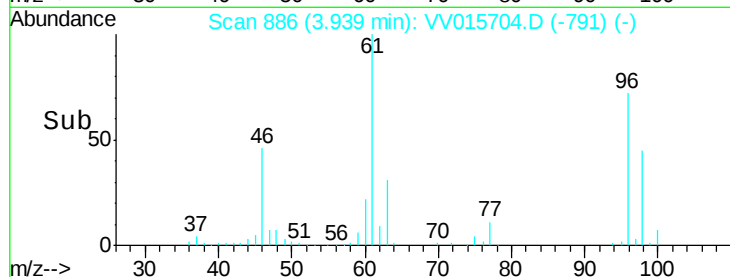
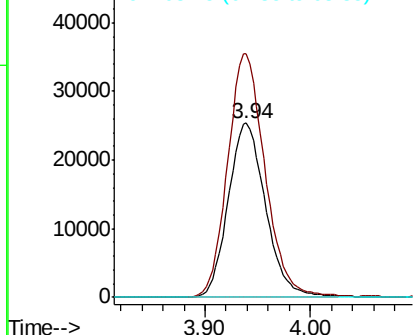
cis-1,2-Dichloroethene
 Concen: 7.147 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV015704.D
 Acq: 25 Apr 2020 19:24

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 62228
 Ion Ratio Lower Upper
 96 100
 61 139.4 96.4 179.0
 68 0.0 0.0 0.0



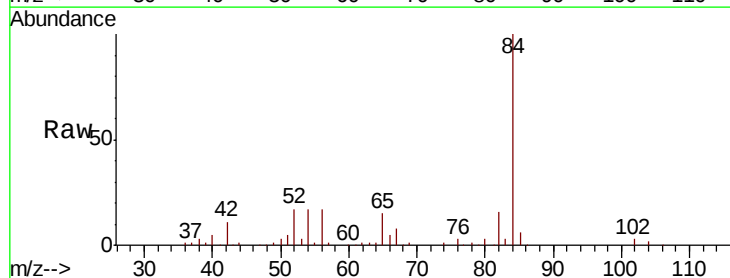
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



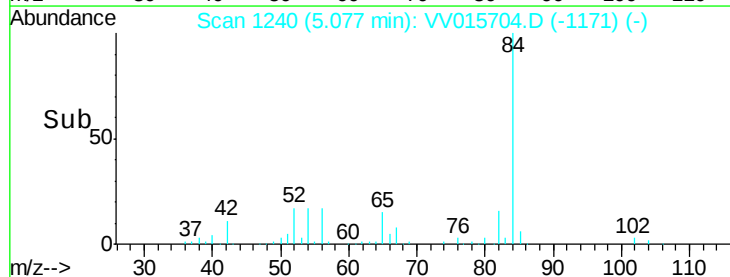
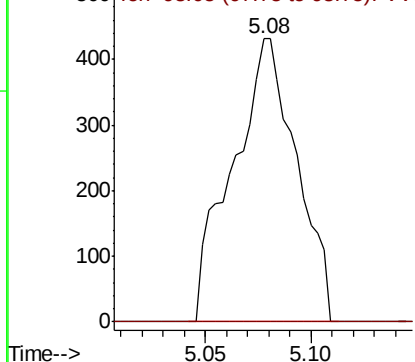
#27

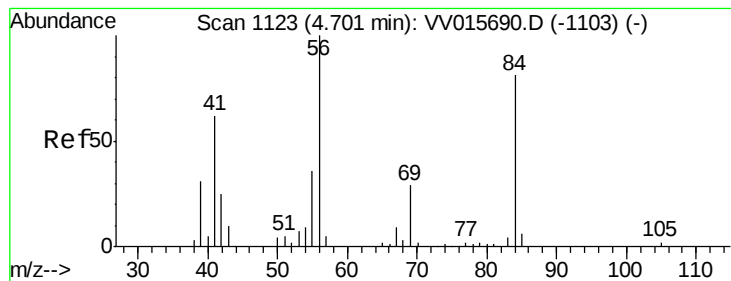
1,2-Dichloroethane
 Concen: 0.085 ug/L
 RT: 5.08 min Scan# 1240
 Delta R.T. -0.08 min
 Lab File: VV015704.D
 Acq: 25 Apr 2020 19:24

Tgt Ion: 62 Resp: 913
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.3 9.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0





#30

Cyclohexane

Concen: 0.819 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VV015704.D

Acq: 25 Apr 2020 19:24

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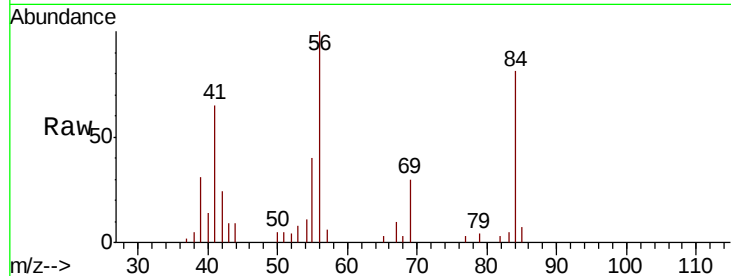
Tot Ion: 56 Resp: 11504

Ion Ratio Lower Upper

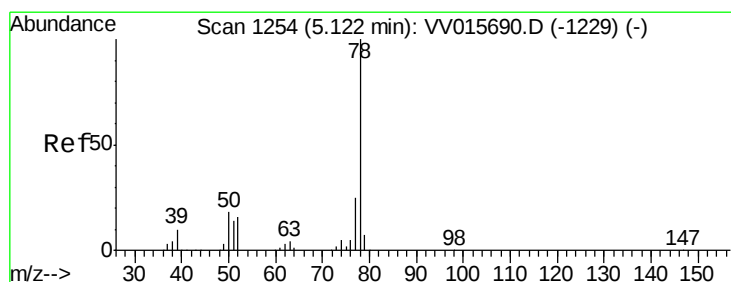
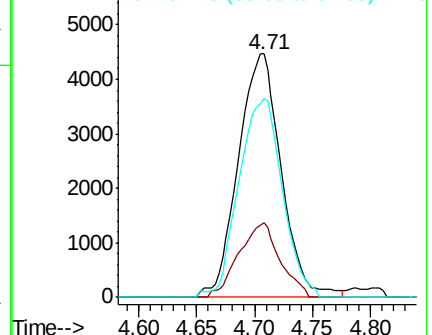
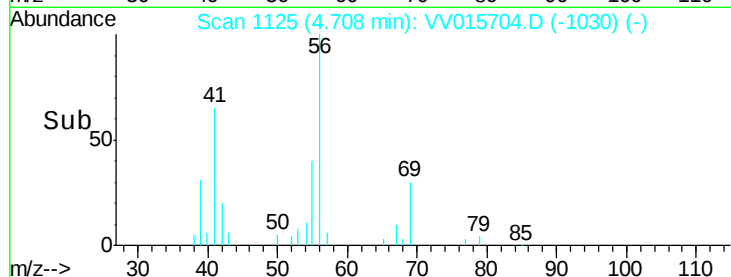
56 100

69 29.3 23.9 35.9

84 82.6 66.9 100.3



Abundance Ion 56.10 (55.80 to 56.80): VV015704.D (-1030) (-)



#33

Benzene

Concen: 0.077 ug/L

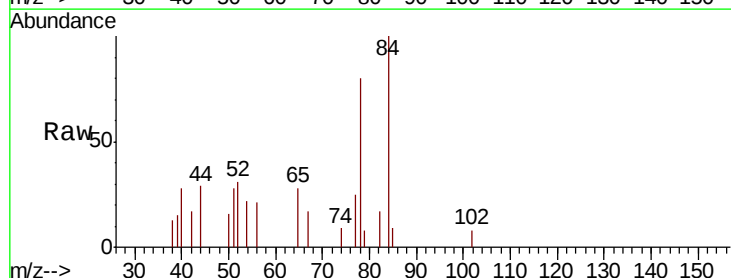
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

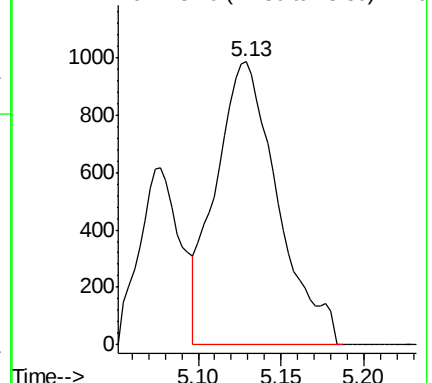
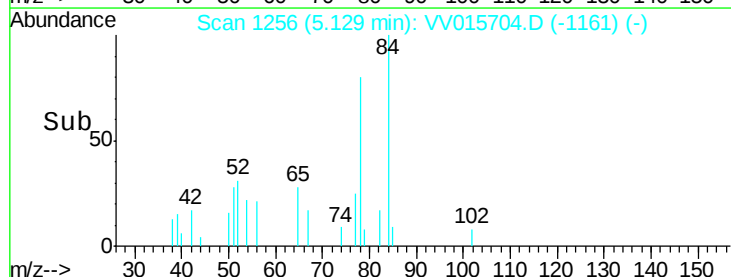
Lab File: VV015704.D

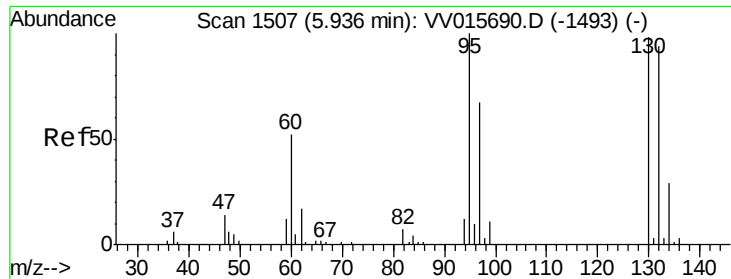
Acq: 25 Apr 2020 19:24

Tgt Ion: 78 Resp: 2557



Abundance Ion 78.10 (77.80 to 78.80): VV015704.D (-1161) (-)

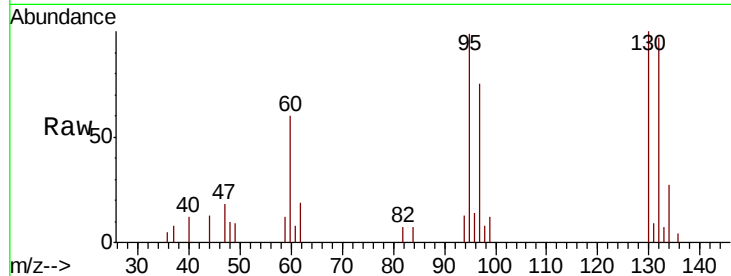




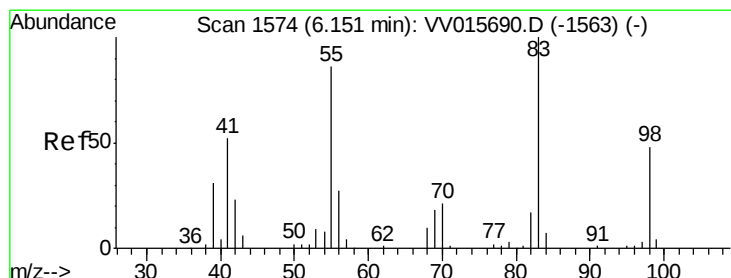
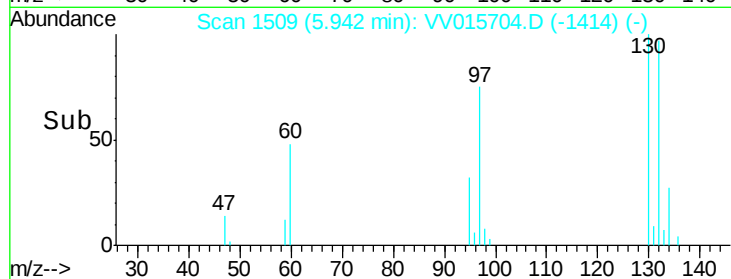
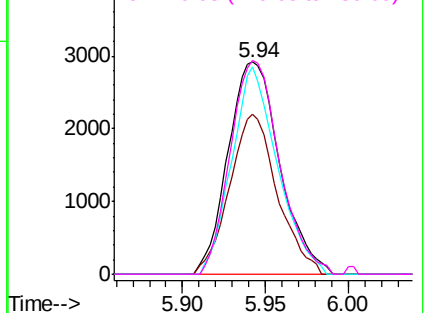
#34
 Trichloroethene
 Concen: 0.693 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV015704.D
 Acq: 25 Apr 2020 19:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 6338
 Ion Ratio Lower Upper
 95 100
 97 75.6 44.7 82.9
 132 97.9 65.2 121.0
 130 100.6 65.0 120.6

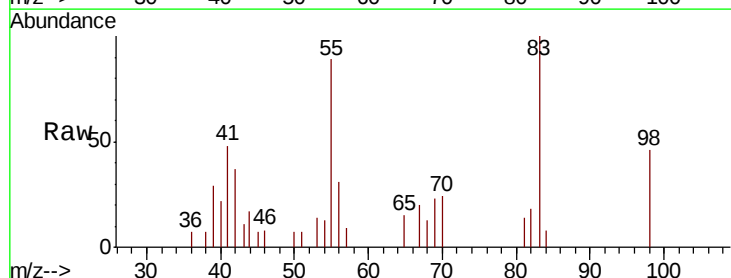


Abundance Ion 95.00 (94.70 to 95.70): VV015690.D (-1493) (-)
 Ion 96.95 (96.65 to 97.65): VV015690.D (-1493) (-)
 Ion 131.95 (131.65 to 132.65): VV015690.D (-1493) (-)
 Ion 129.95 (129.65 to 130.65): VV015690.D (-1493) (-)

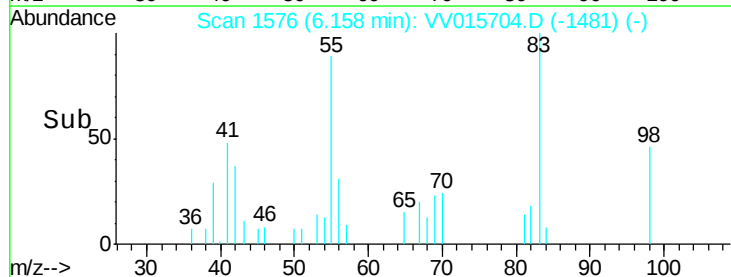
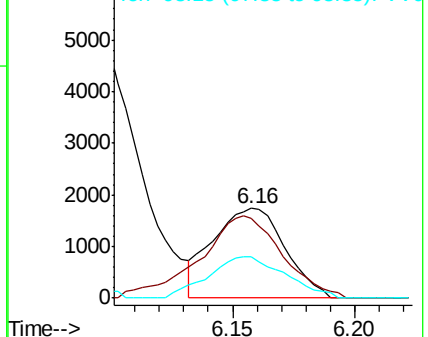


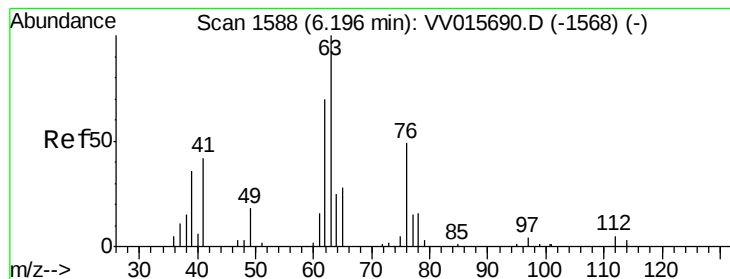
#35
 Methylcyclohexane
 Concen: 0.254 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VV015704.D
 Acq: 25 Apr 2020 19:24

Tgt Ion: 83 Resp: 3573
 Ion Ratio Lower Upper
 83 100
 55 105.0 66.6 99.8#
 98 48.9 39.5 59.3



Abundance Ion 83.15 (82.85 to 83.85): VV015690.D (-1563) (-)
 Ion 55.10 (54.80 to 55.80): VV015690.D (-1563) (-)
 Ion 98.15 (97.85 to 98.85): VV015690.D (-1563) (-)





#37

1,2-Dichloropropane

Concen: 0.638 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV015704.D

Acq: 25 Apr 2020 19:24

Instrument :

MSVOA_V

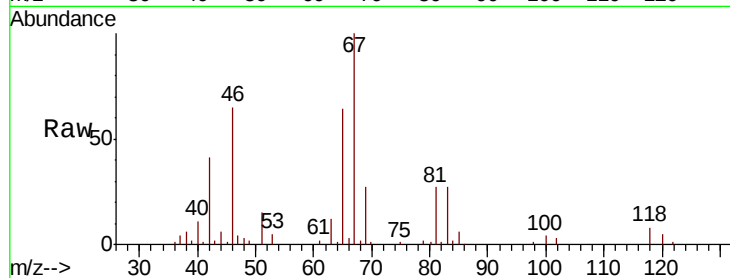
ClientSampleId :

Tot Ion: 63 Resp: 5374

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015690.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV015690.D (-1568) (-)

6.09

2500

2000

1500

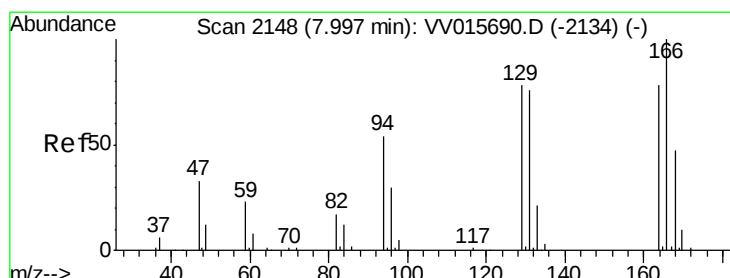
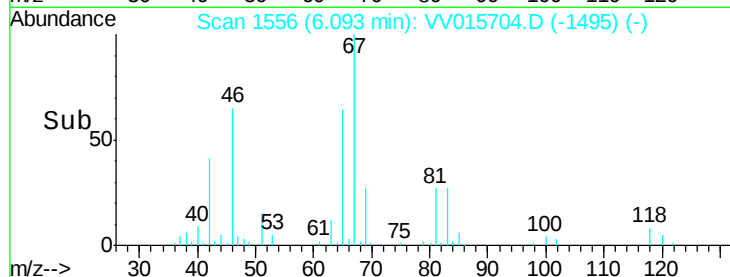
1000

500

0

6.05 6.10 6.15

Time-->



#47

Tetrachloroethene

Concen: 0.352 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV015704.D

Acq: 25 Apr 2020 19:24

Tgt Ion:164 Resp: 2318

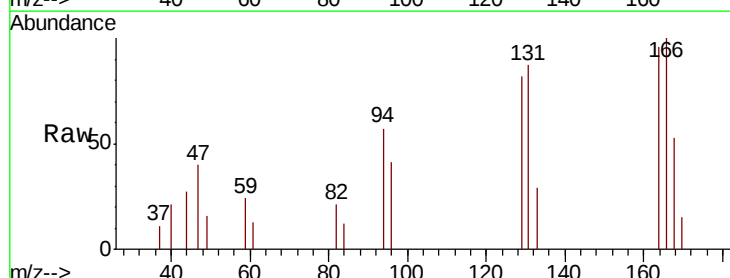
Ion Ratio Lower Upper

164 100

129 85.7 66.7 123.9

131 90.8 66.6 123.6

166 103.9 85.3 158.5



Abundance Ion 163.90 (163.60 to 164.60): VV015690.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV015690.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV015690.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV015690.D (-2134) (-)

2500

2000

1500

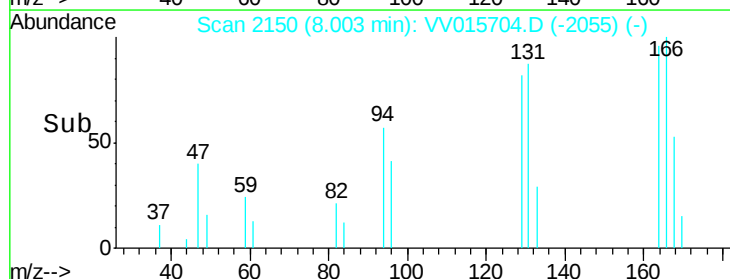
1000

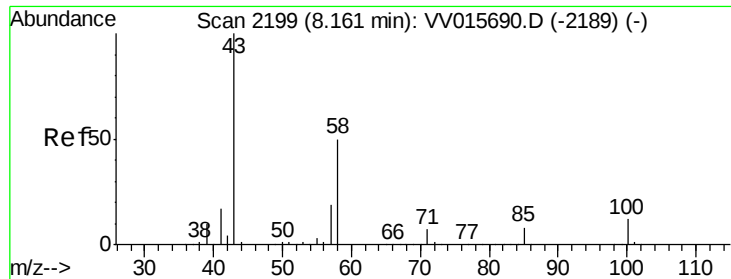
500

0

7.95 8.00 8.05

Time-->

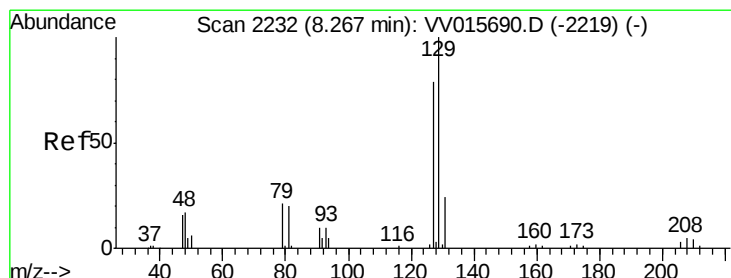
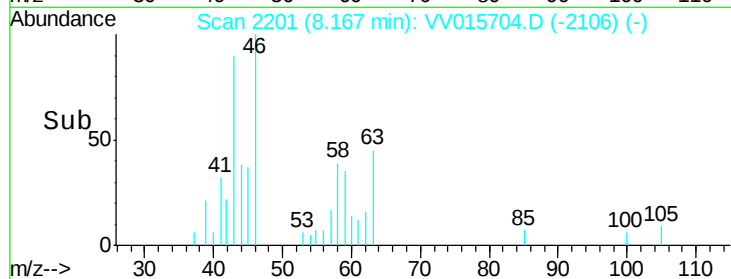
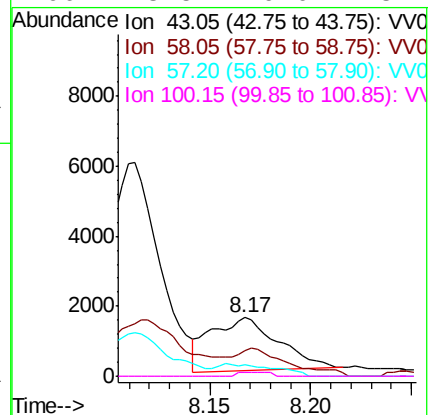
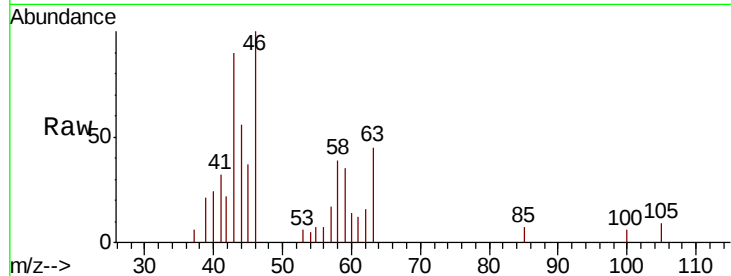




#48
2-Hexanone
Concen: 0.908 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV015704.D
Acq: 25 Apr 2020 19:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3540
Ion Ratio Lower Upper
43 100
58 41.2 41.1 61.7
57 20.5 15.0 22.4
100 3.5 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.392 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015704.D
Acq: 25 Apr 2020 19:24

Tgt Ion: 129 Resp: 2327
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#

