

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042720\
 Data File : VV015723.D
 Acq On : 27 Apr 2020 12:51
 Operator : SY/MD
 Sample : L2413-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 28 02:19:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 28 02:16:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	115271	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	113871	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	52768	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26827	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.58	69	27173	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.12	63	42955	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	3.91	46	105999	54.80	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.60%
24) Chloroform-d	4.38	84	71247	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.06	65	42042	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.08	84	132364	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.09	67	44274	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.34	98	118356	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.65	79	14283	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.11	63	73917	45.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.26%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32545	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	47864	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Ovalue
3) Chloromethane	1.22	50	3221	0.377 ug/L #	69
5) Vinyl chloride	1.32	62	19742	2.164 ug/L #	68
8) Chloroethane	1.35	64	370861	61.898 ug/L #	51
14) Carbon disulfide	2.31	76	1564	0.082 ug/L #	93
18) trans-1,2-Dichloroethene	2.78	96	4845	0.645 ug/L	82
21) 2-Butanone	4.02	43	2265	1.093 ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	54021	6.504 ug/L	98
27) 1,2-Dichloroethane	5.08	62	973	0.095 ug/L #	78
30) Cyclohexane	4.71	56	8405	0.609 ug/L	97
34) Trichloroethene	5.94	95	7055	0.785 ug/L	99
35) Methylcyclohexane	6.15	83	2948	0.214 ug/L #	85
37) 1,2-Dichloropropane	6.09	63	5623	0.680 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1273	0.110 ug/L #	62
42) Toluene	7.42	91	2350	0.068 ug/L	80
44) trans-1,3-Dichloropropene	7.64	75	703	0.073 ug/L #	78
47) Tetrachloroethene	8.00	164	2703	0.418 ug/L	91
48) 2-Hexanone	8.16	43	6697	1.750 ug/L #	95

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 28 02:16:08 2020
Response via : Initial Calibration

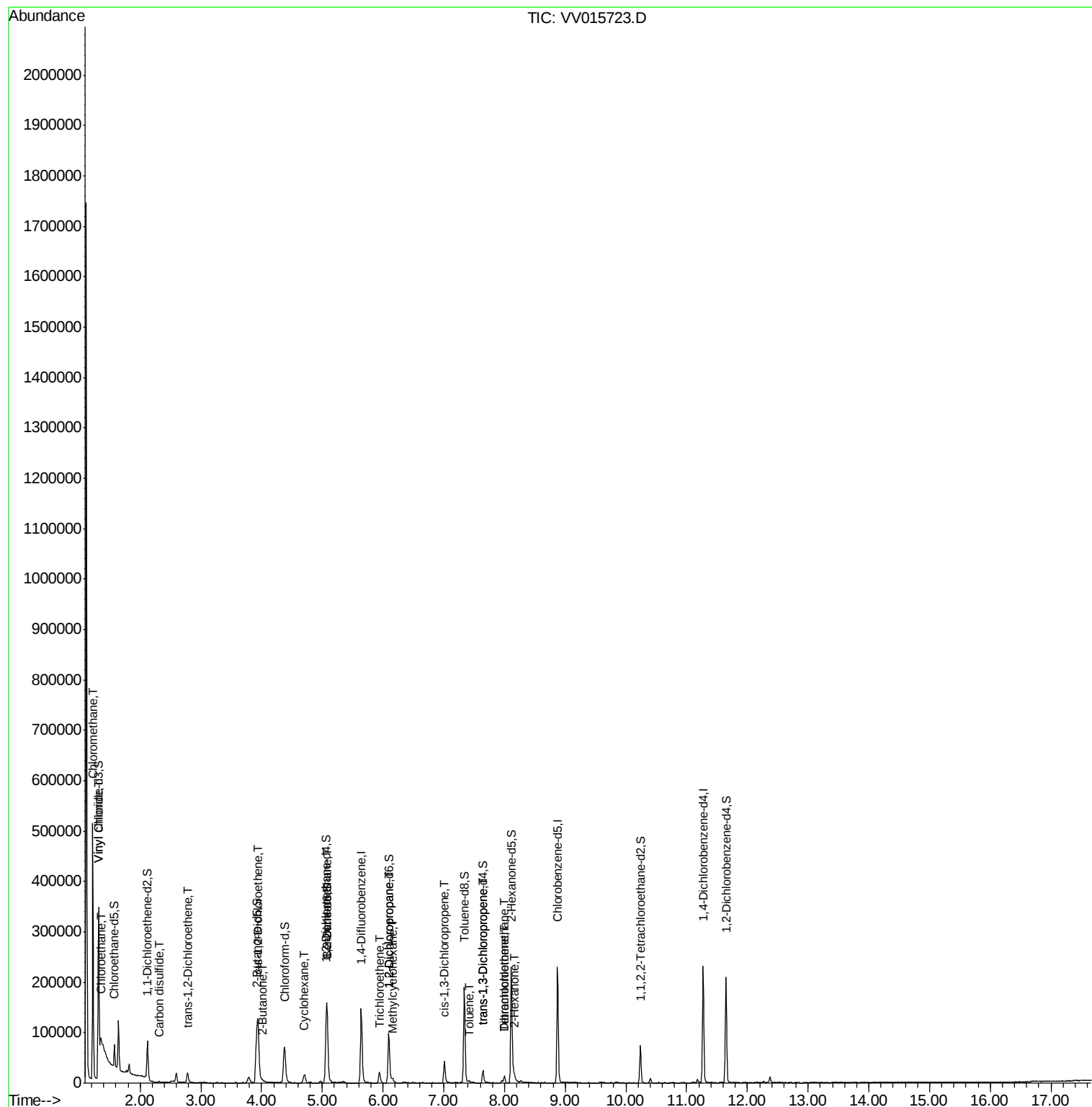
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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49) Dibromochloromethane	8.00	129	2664	0.457	ug/L #	12
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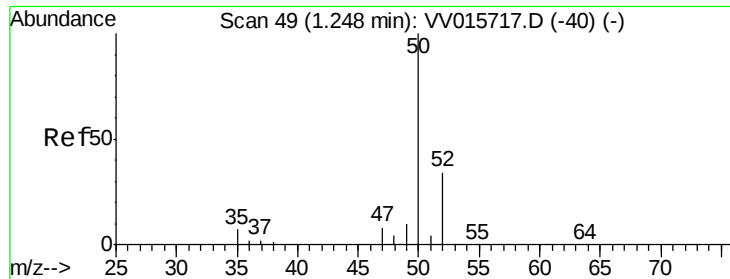
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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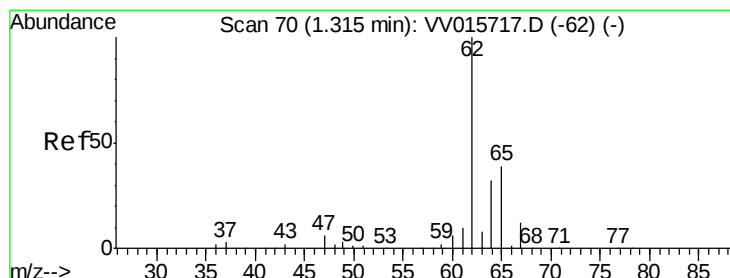
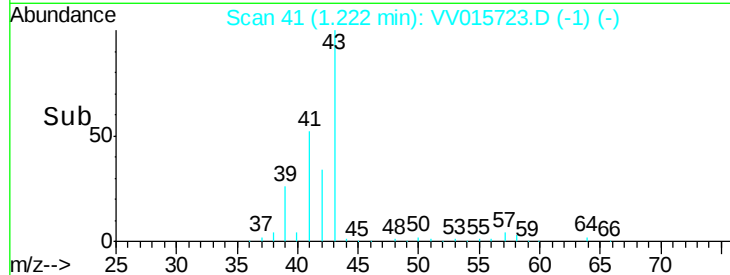
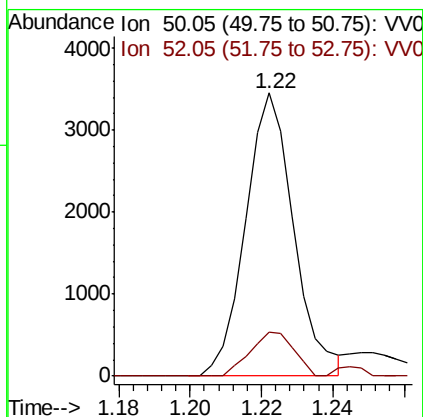
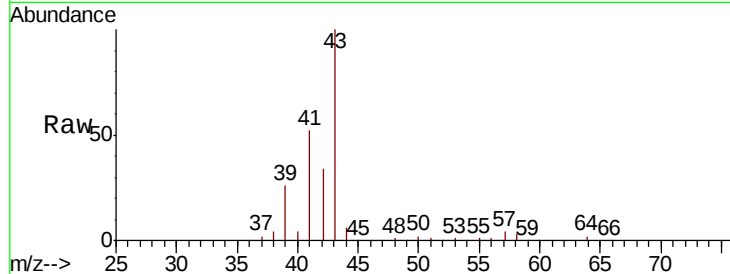




#3
 Chloromethane
 Concen: 0.377 ug/L
 RT: 1.22 min Scan# 41
 Delta R.T. -0.03 min
 Lab File: VV015723.D
 Acq: 27 Apr 2020 12:51

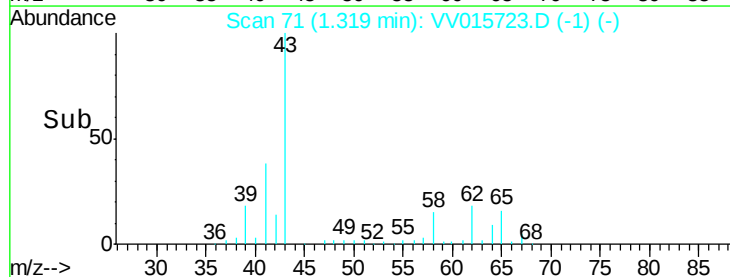
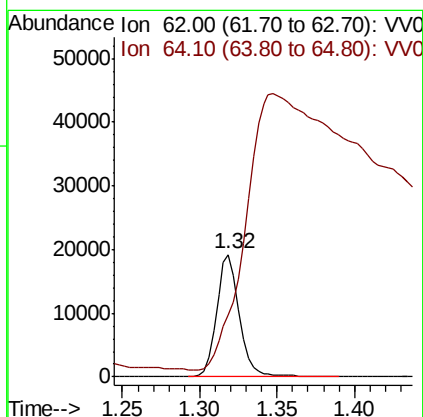
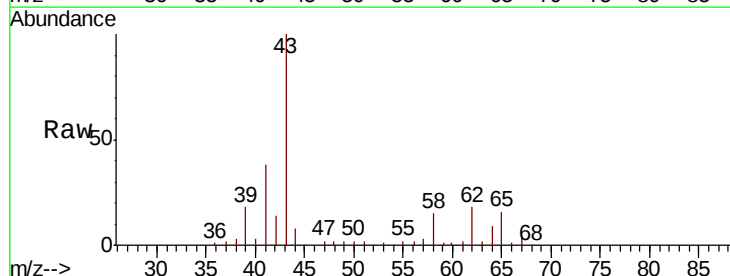
Instrument :
 MSVOA_V
 ClientSampleId :

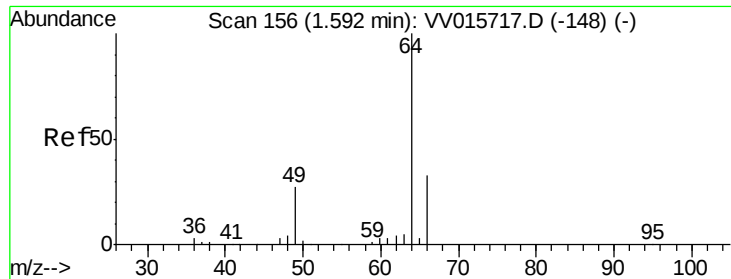
Tot Ion: 50 Resp: 3221
 Ion Ratio Lower Upper
 50 100
 52 15.4 22.9 42.5#



#5
 Vinyl chloride
 Concen: 2.164 ug/L
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VV015723.D
 Acq: 27 Apr 2020 12:51

Tgt Ion: 62 Resp: 19742
 Ion Ratio Lower Upper
 62 100
 64 50.5 22.7 42.1#

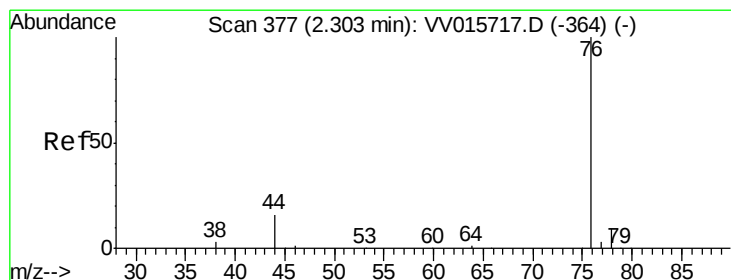
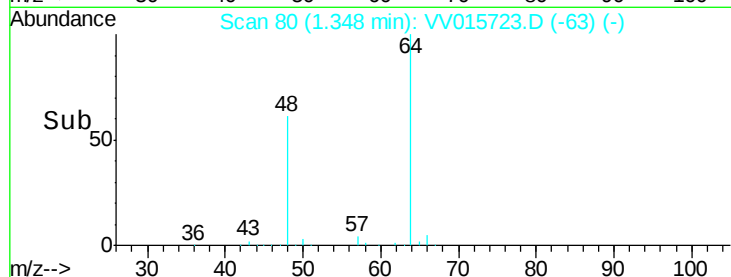
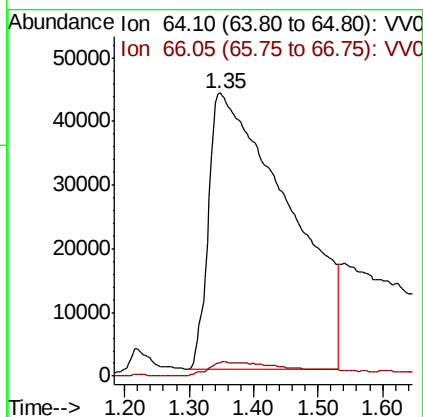
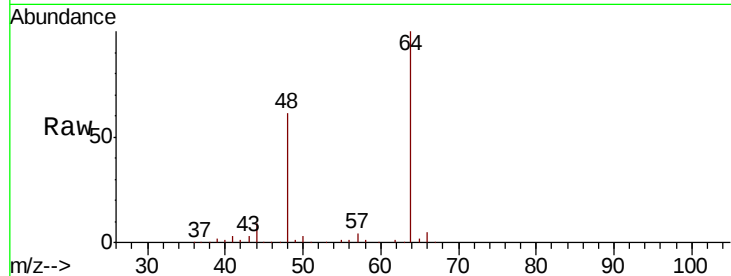




#8
Chloroethane
Concen: 61.898 ug/L
RT: 1.35 min Scan# 80
Delta R.T. -0.24 min
Lab File: VV015723.D
Acq: 27 Apr 2020 12:51

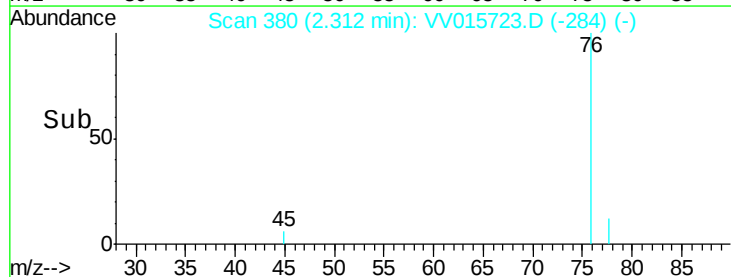
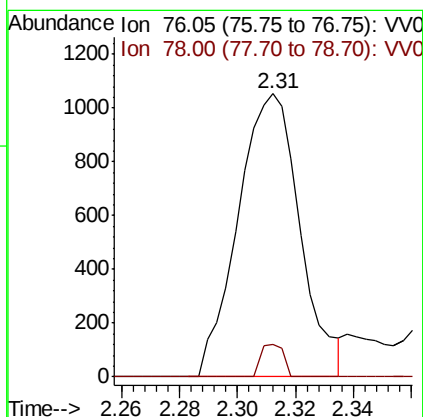
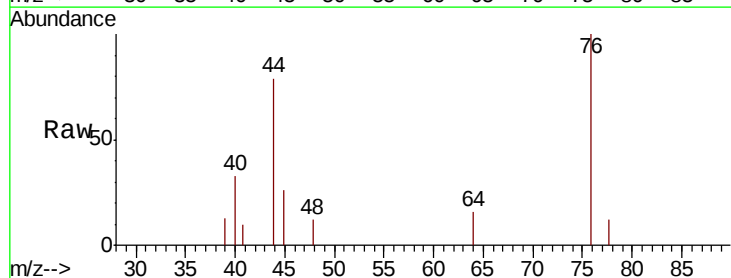
Instrument :
MSVOA_V
ClientSampled :

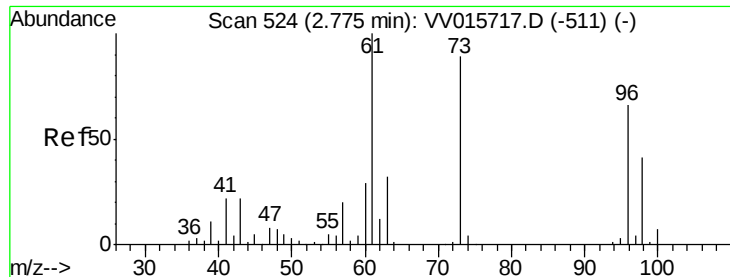
Tot Ion: 64 Resp: 370861
Ion Ratio Lower Upper
64 100
66 4.8 22.3 41.5#



#14
Carbon disulfide
Concen: 0.082 ug/L
RT: 2.31 min Scan# 380
Delta R.T. 0.01 min
Lab File: VV015723.D
Acq: 27 Apr 2020 12:51

Tgt Ion: 76 Resp: 1564
Ion Ratio Lower Upper
76 100
78 11.6 7.4 11.0#





#18

trans-1,2-Dichloroethene

Concen: 0.645 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV015723.D

Acq: 27 Apr 2020 12:51

Instrument :
MSVOA_V
ClientSampleId :

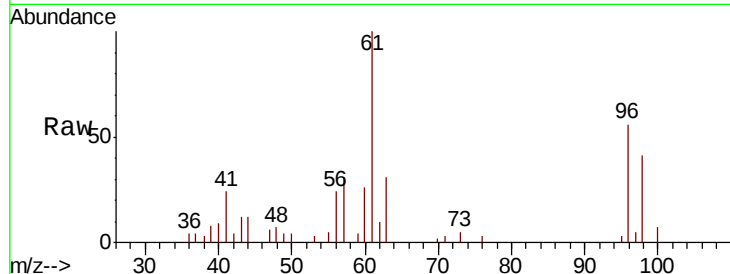
Tot Ion: 96 Resp: 4845

Ion Ratio Lower Upper

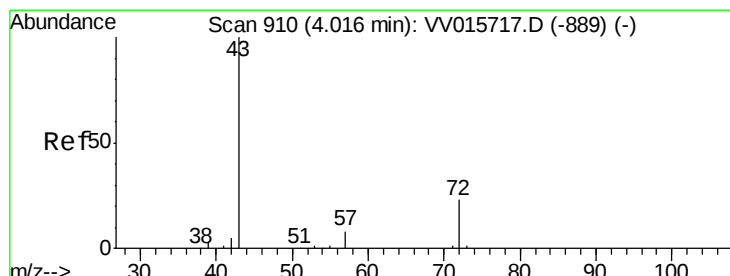
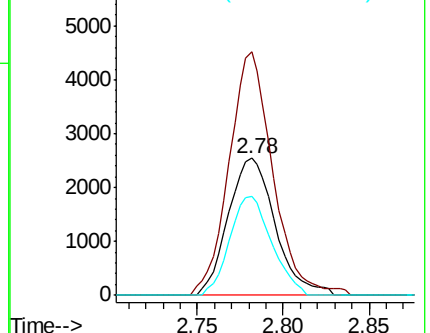
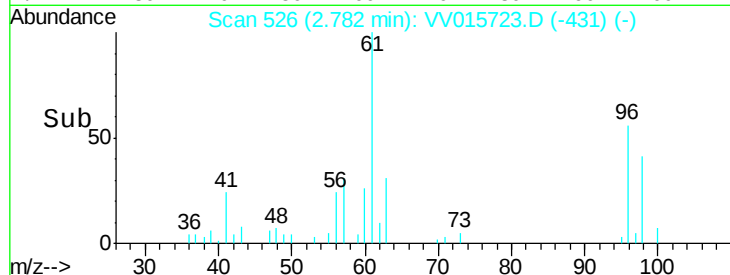
96 100

61 177.4 105.5 195.9

98 72.1 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV015723.D (-431) (-)



#21

2-Butanone

Concen: 1.093 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV015723.D

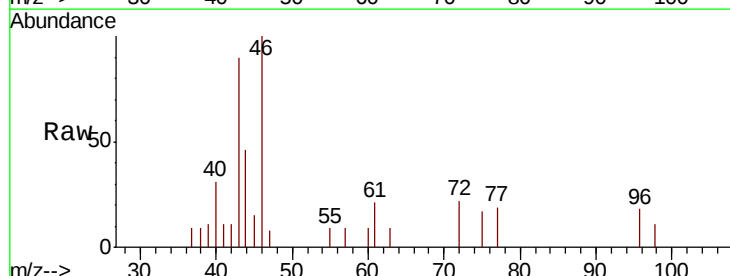
Acq: 27 Apr 2020 12:51

Tgt Ion: 43 Resp: 2265

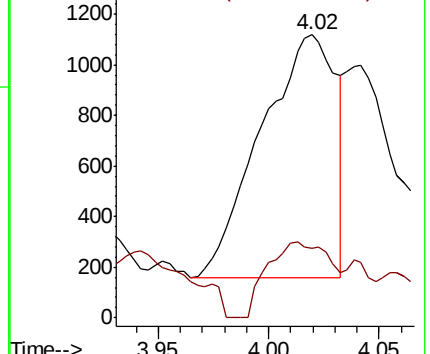
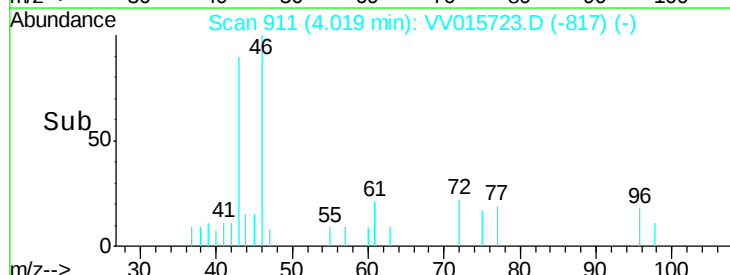
Ion Ratio Lower Upper

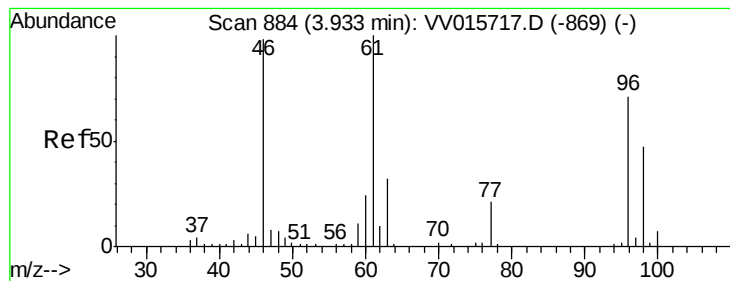
43 100

72 26.3 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV015723.D (-817) (-)



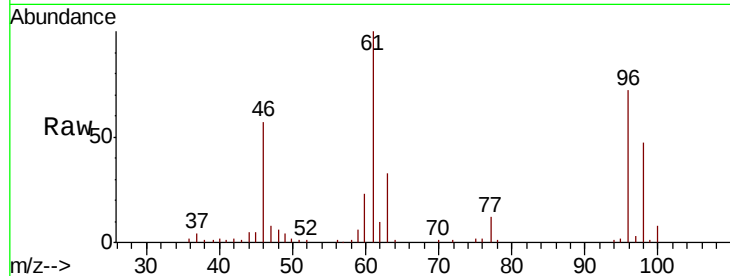


#22

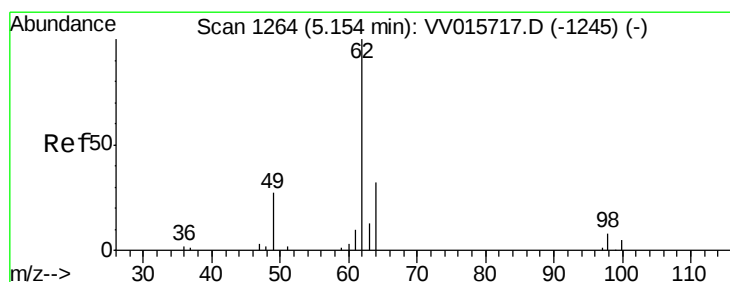
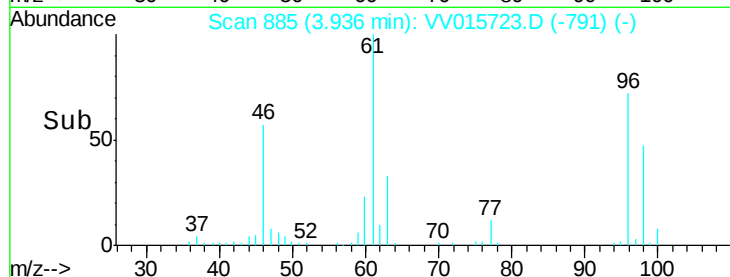
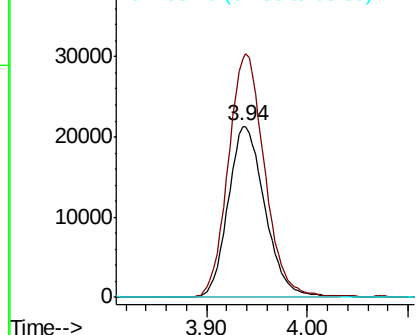
cis-1,2-Dichloroethene
 Concen: 6.504 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015723.D
 Acq: 27 Apr 2020 12:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 54021
 Ion Ratio Lower Upper
 96 100
 61 139.8 96.4 179.0
 68 0.0 0.0 0.0



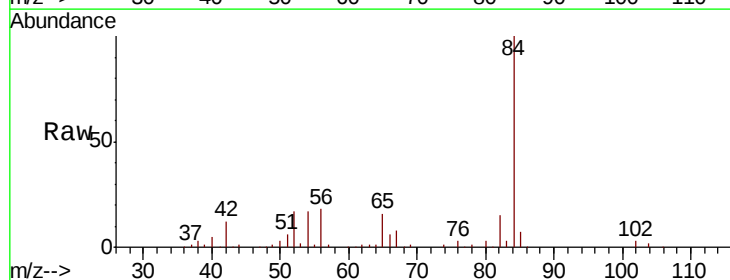
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



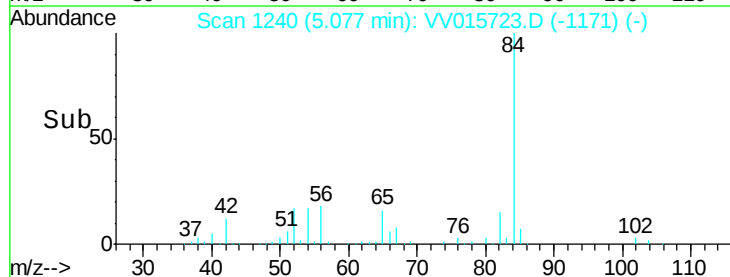
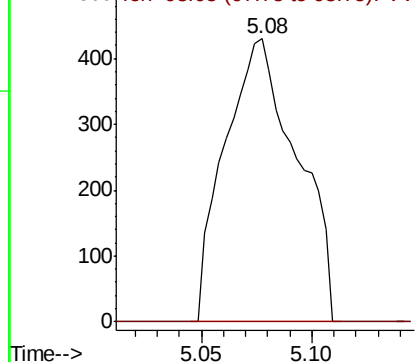
#27

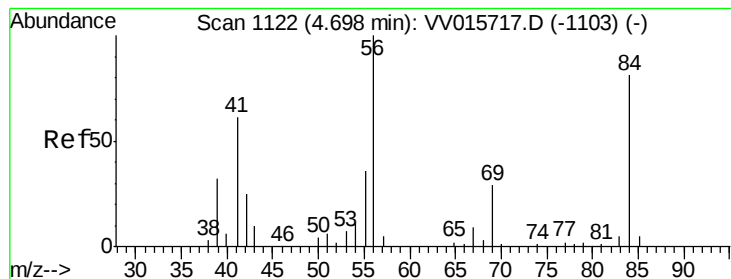
1,2-Dichloroethane
 Concen: 0.095 ug/L
 RT: 5.08 min Scan# 1240
 Delta R.T. -0.08 min
 Lab File: VV015723.D
 Acq: 27 Apr 2020 12:51

Tgt Ion: 62 Resp: 973
 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

Cvclohexane

Concen: 0.609 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VV015723.D

Acq: 27 Apr 2020 12:51

Instrument :
MSVOA_V
ClientSampleId :

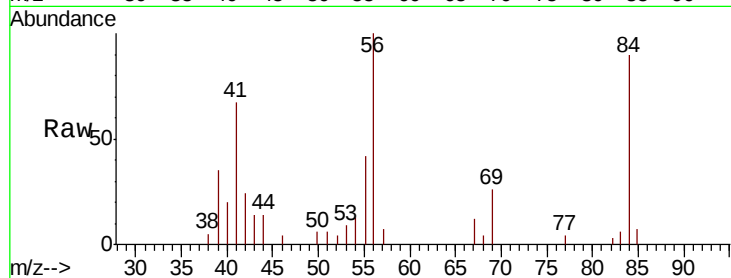
Tot Ion: 56 Resp: 8405

Ion Ratio Lower Upper

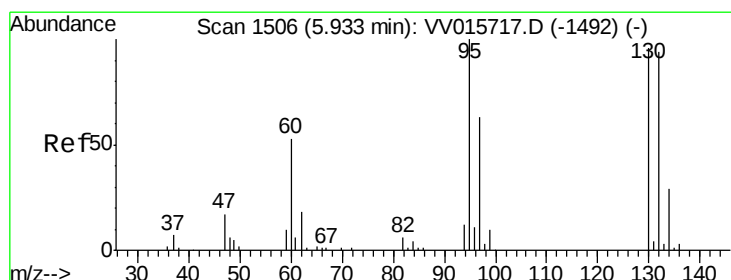
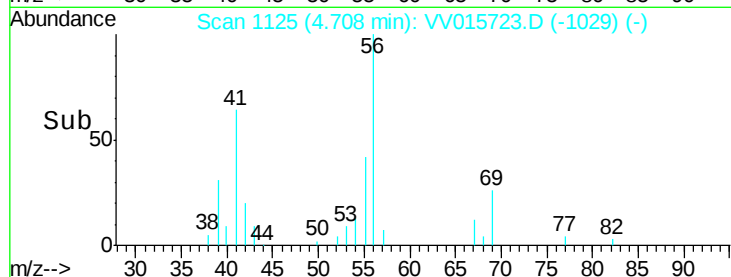
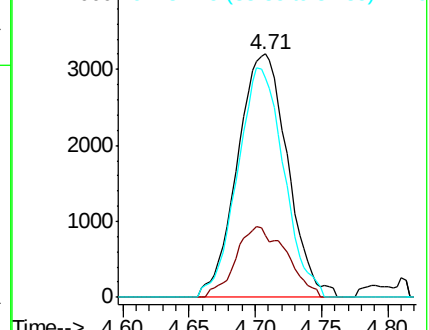
56 100

69 29.4 23.9 35.9

84 87.3 66.9 100.3



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



#34

Trichloroethene

Concen: 0.785 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV015723.D

Acq: 27 Apr 2020 12:51

Tgt Ion: 95 Resp: 7055

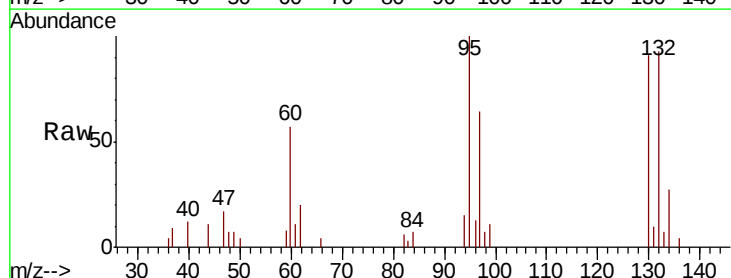
Ion Ratio Lower Upper

95 100

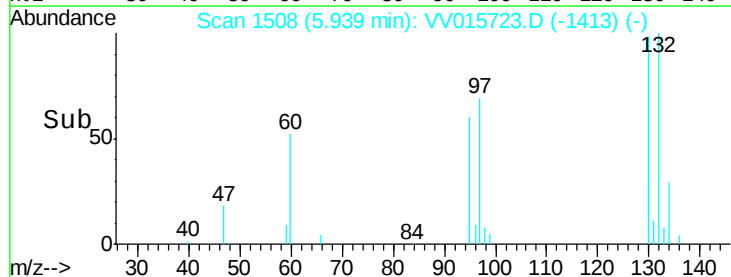
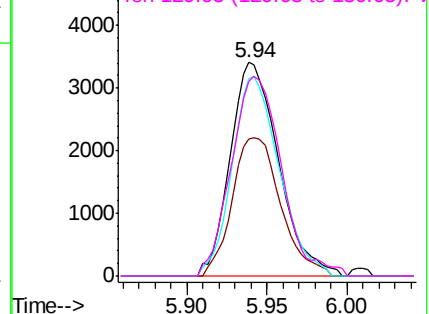
97 64.3 44.7 82.9

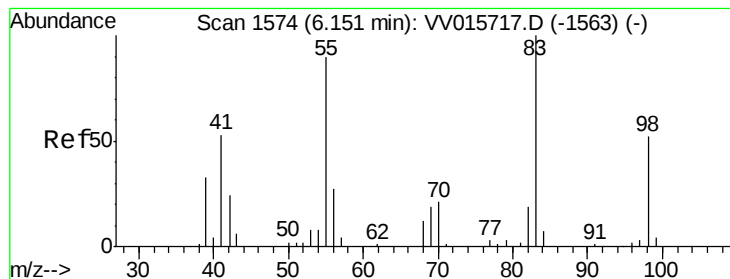
132 92.6 65.2 121.0

130 91.1 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: 0.214 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015723.D

Acq: 27 Apr 2020 12:51

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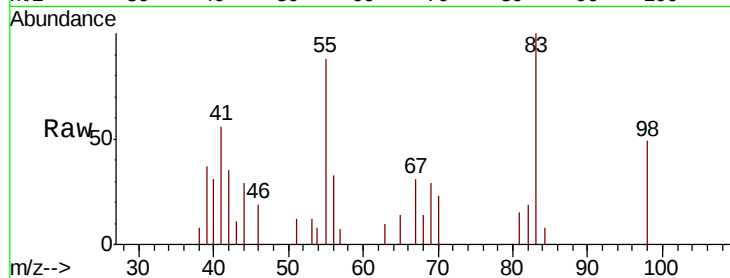
Tot Ion: 83 Resp: 2948

Ion Ratio Lower Upper

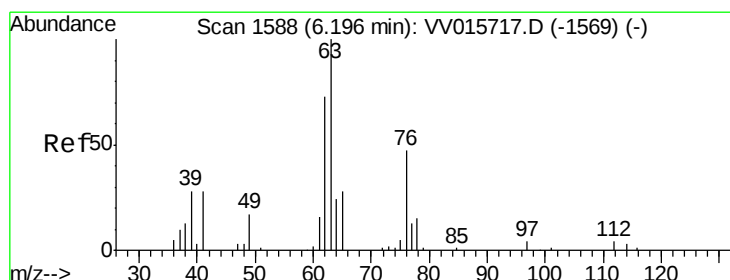
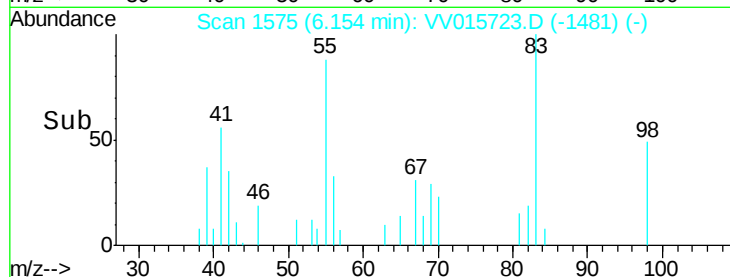
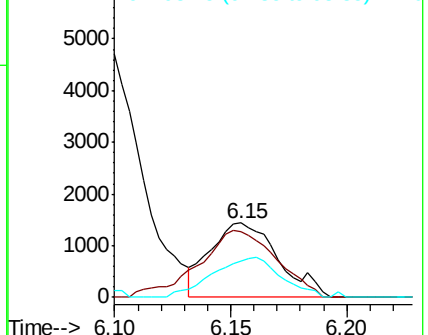
83 100

55 102.0 66.6 99.8#

98 53.3 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: 0.680 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV015723.D

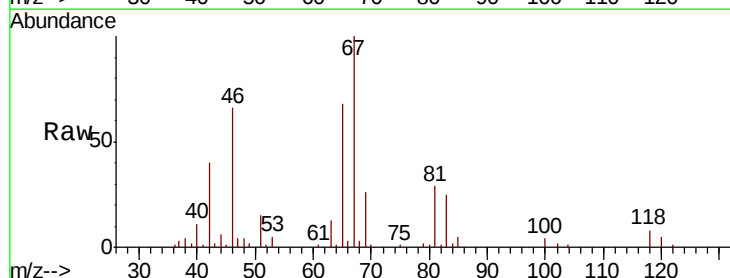
Acq: 27 Apr 2020 12:51

Tgt Ion: 63 Resp: 5623

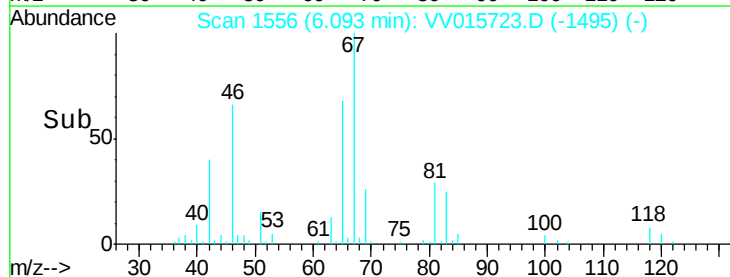
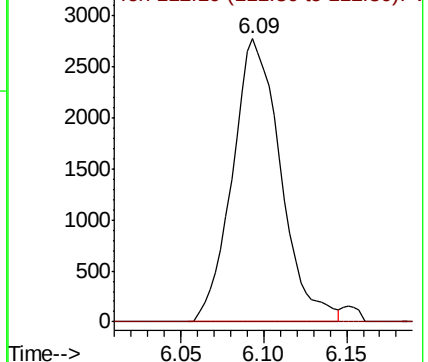
Ion Ratio Lower Upper

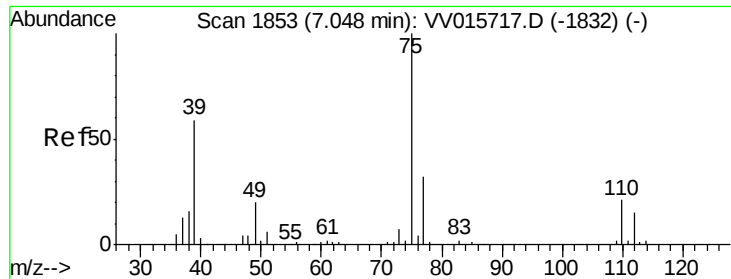
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

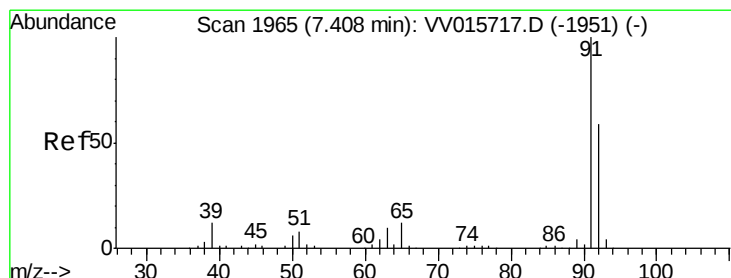
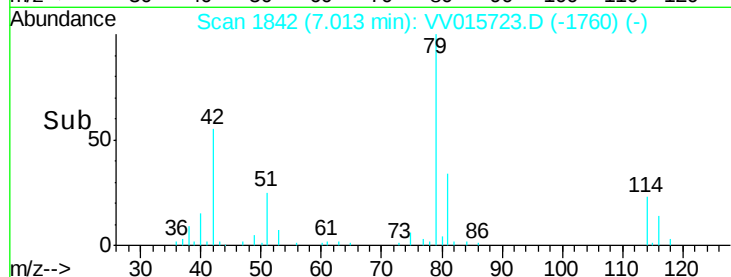
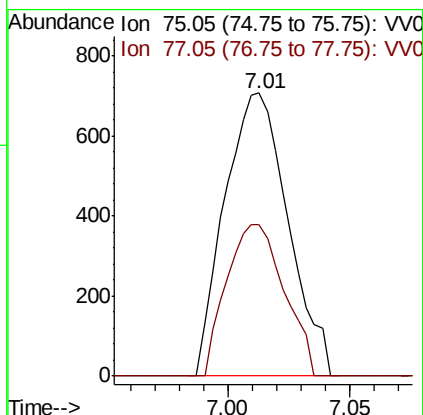
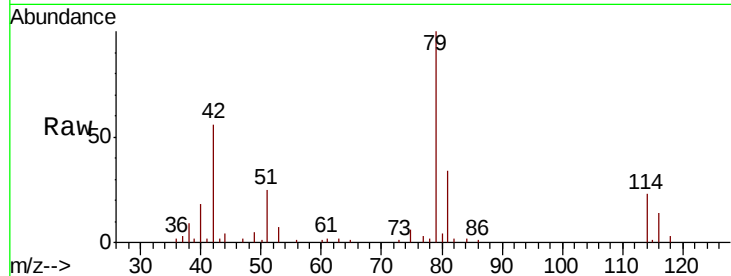




#39
 cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV015723.D
 Acq: 27 Apr 2020 12:51

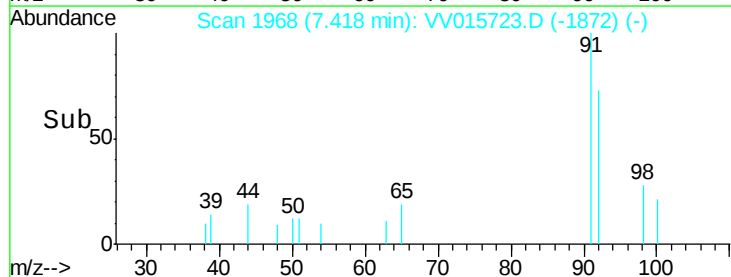
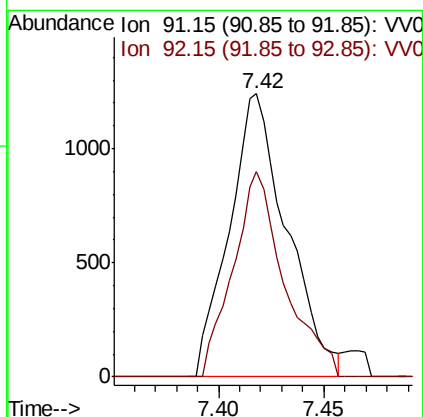
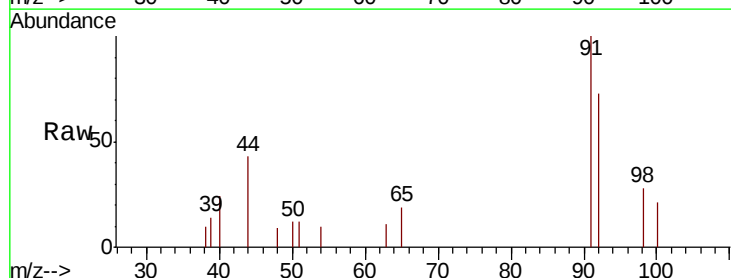
Instrument :
 MSVOA_V
 ClientSampled :

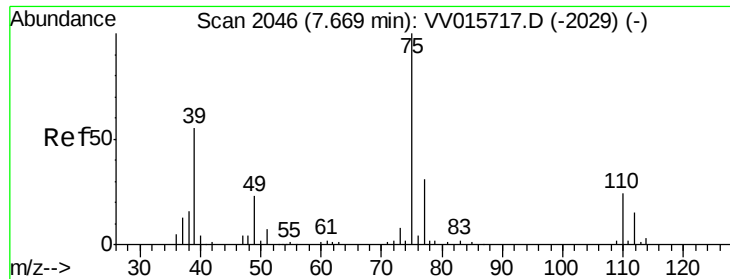
Tot Ion: 75 Resp: 1273
 Ion Ratio Lower Upper
 75 100
 77 53.3 22.3 41.5#



#42
 Toluene
 Concen: 0.068 ug/L
 RT: 7.42 min Scan# 1968
 Delta R.T. 0.01 min
 Lab File: VV015723.D
 Acq: 27 Apr 2020 12:51

Tgt Ion: 91 Resp: 2350
 Ion Ratio Lower Upper
 91 100
 92 72.7 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV015723.D

Acq: 27 Apr 2020 12:51

Instrument :

MSVOA_V

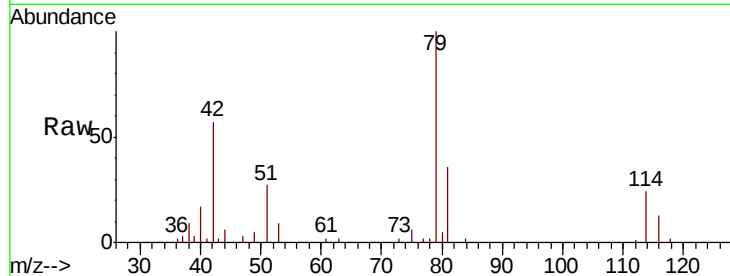
ClientSampleId :

Tot Ion: 75 Resp: 703

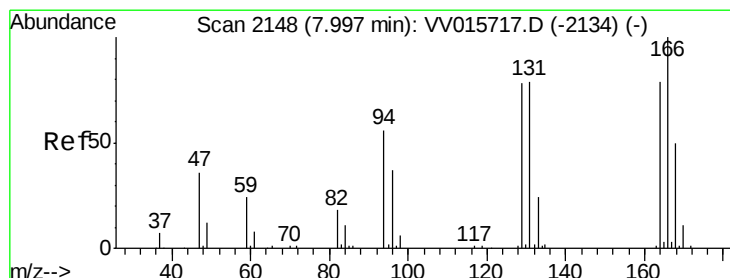
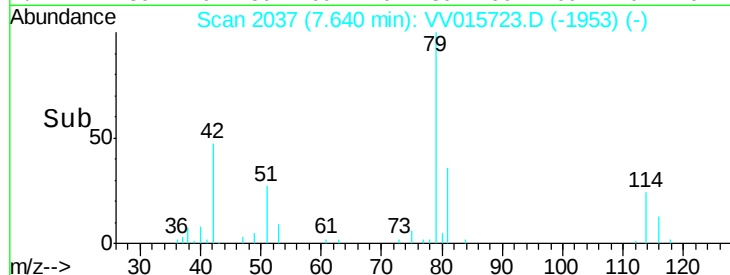
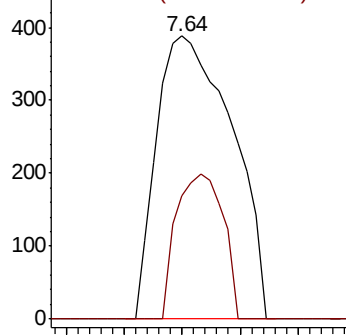
Ion Ratio Lower Upper

75 100

77 43.6 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015717.D (-2029) (-)



#47

Tetrachloroethene

Concen: 0.418 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015723.D

Acq: 27 Apr 2020 12:51

Tgt Ion:164 Resp: 2703

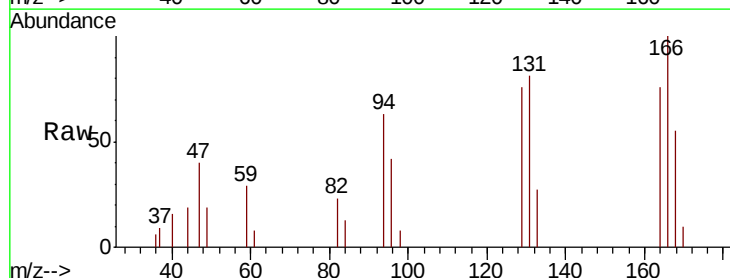
Ion Ratio Lower Upper

164 100

129 100.5 66.7 123.9

131 106.6 66.6 123.6

166 131.4 85.3 158.5

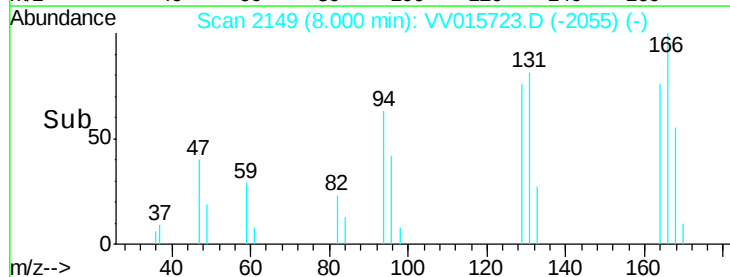
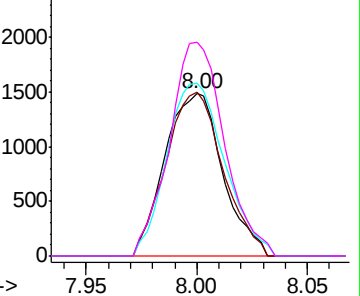


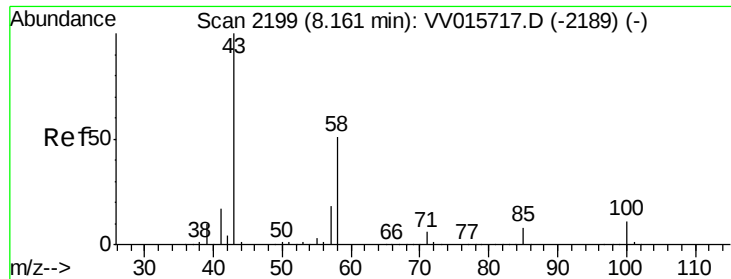
Abundance Ion 163.90 (163.60 to 164.60): VV015717.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV015717.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV015717.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV015717.D (-2134) (-)

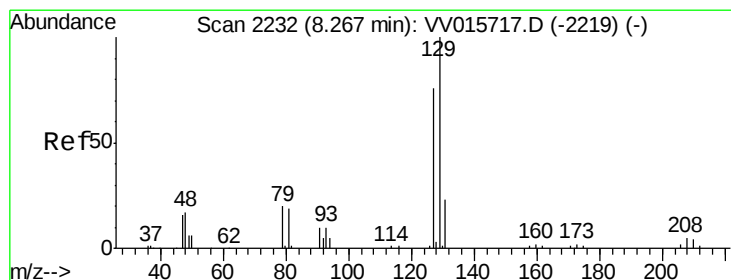
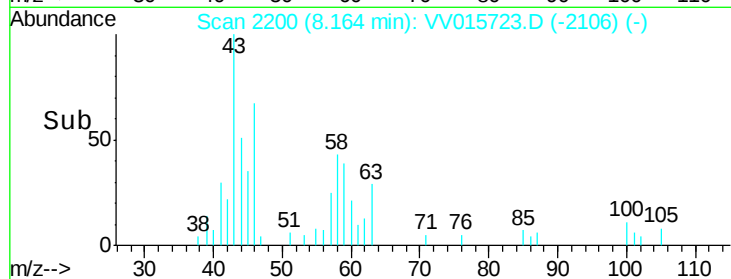
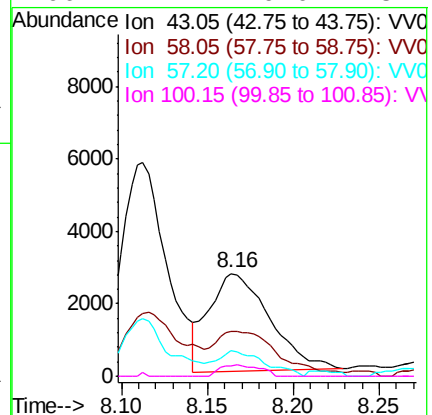
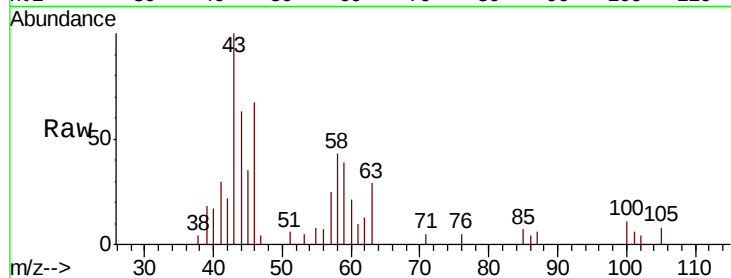




#48
2-Hexanone
Concen: 1.750 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015723.D
Acq: 27 Apr 2020 12:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 6697
Ion Ratio Lower Upper
43 100
58 48.1 41.1 61.7
57 20.5 15.0 22.4
100 7.7 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.457 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV015723.D
Acq: 27 Apr 2020 12:51

Tgt Ion: 129 Resp: 2664
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#

