

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050620\
 Data File : VV015916.D
 Acq On : 06 May 2020 17:40
 Operator : SY/MD
 Sample : L2527-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 07 02:05:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 07 02:01:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	150028	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	148068	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	68595	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39419	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.58	69	37323	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.12	63	60750	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.93	46	113779	47.56	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.12%
24) Chloroform-d	4.38	84	81751	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.06	65	49423	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.08	84	168656	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.10	67	52327	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.34	98	147616	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.64	79	17949	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.11	63	85788	43.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.16%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	36681	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	55202	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.13	96	1028	0.122 ug/L #	1
13) Acetone	2.20	43	6287	4.268 ug/L	95
15) Methyl Acetate	2.46	43	1663	0.485 ug/L #	82
17) Methyl tert-butyl Ether	2.79	73	3360	0.151 ug/L #	87
19) 1,1-Dichloroethane	3.22	63	1066	0.059 ug/L #	81
21) 2-Butanone	4.09	43	2066708	839.783 ug/L #	55
25) Chloroform	4.41	83	8274	0.421 ug/L	100
27) 1,2-Dichloroethane	5.18	62	1281	0.105 ug/L #	76
34) Trichloroethene	5.94	95	16455	1.559 ug/L	96
35) Methylcyclohexane	6.10	83	13098	0.758 ug/L #	17
37) 1,2-Dichloropropane	6.10	63	6815	0.702 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1557	0.114 ug/L #	70
44) trans-1,3-Dichloropropene	7.64	75	931	0.081 ug/L	85
47) Tetrachloroethene	8.00	164	4965	0.631 ug/L	95
48) 2-Hexanone	8.16	43	3620	0.837 ug/L #	47
49) Dibromochloromethane	8.00	129	5141	0.728 ug/L #	9
66) 1,2-Dibromo-3-chloropropan	12.27	75	764	0.626 ug/L #	6

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MSVOA_V
ClientSampleId :

Quant Time: May 07 02:05:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 07 02:01:25 2020
Response via : Initial Calibration

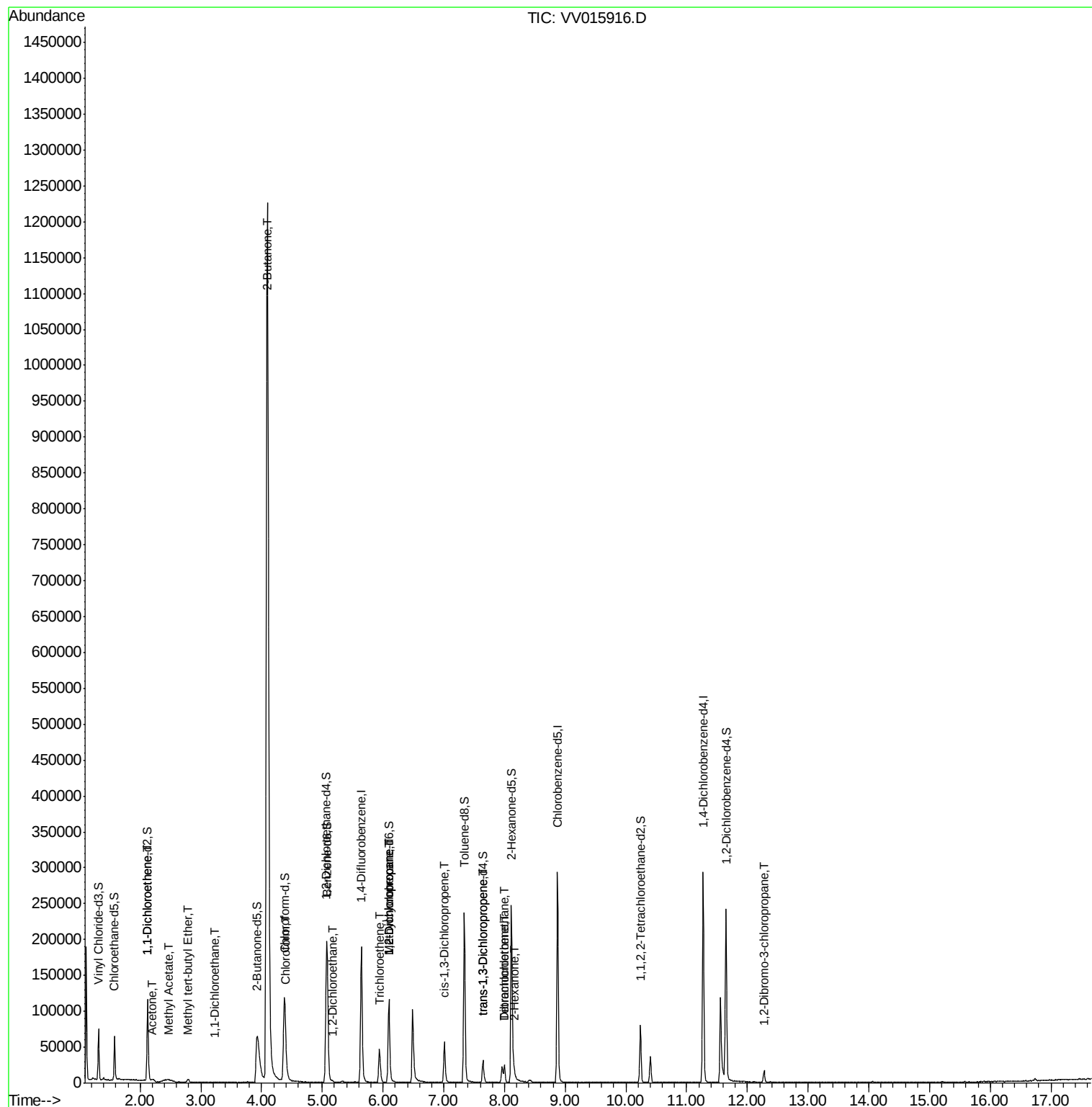
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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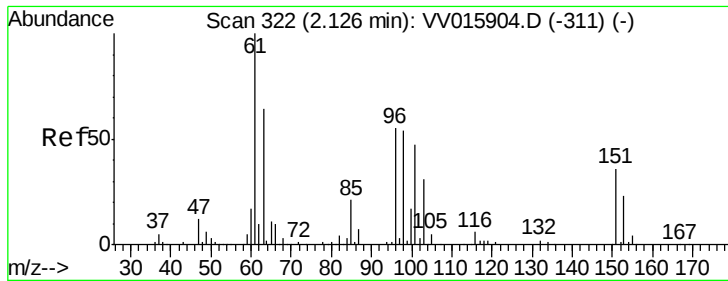
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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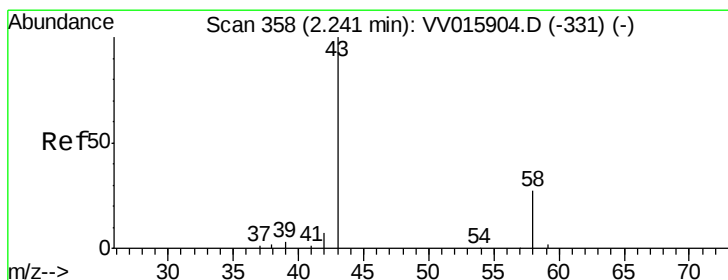
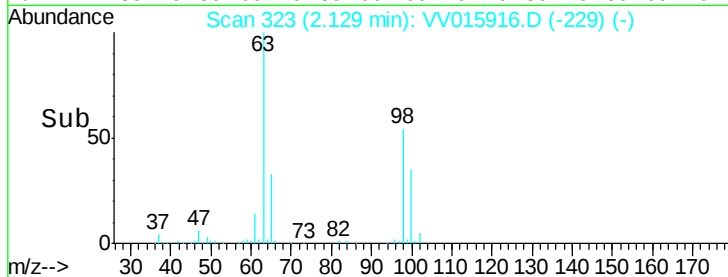
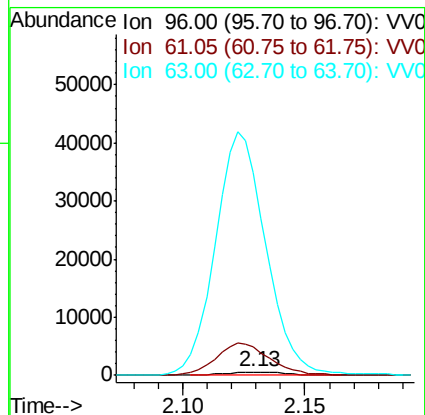
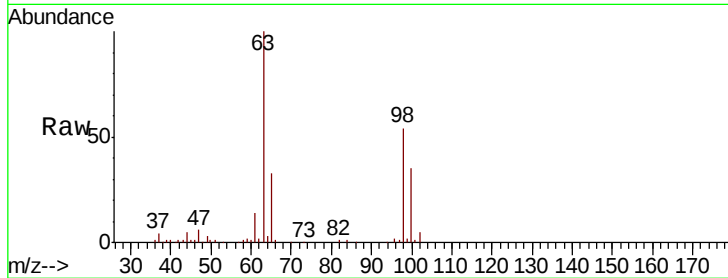




#12
 1,1-Dichloroethene
 Concen: 0.122 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: VV015916.D
 Acq: 06 May 2020 17:40

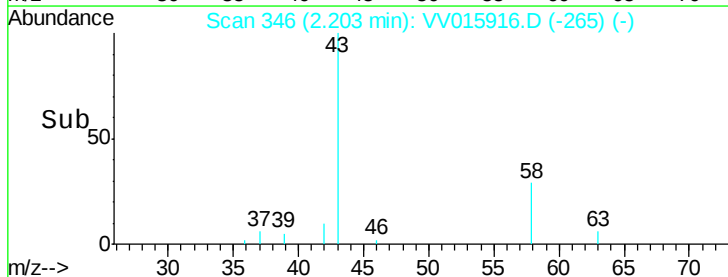
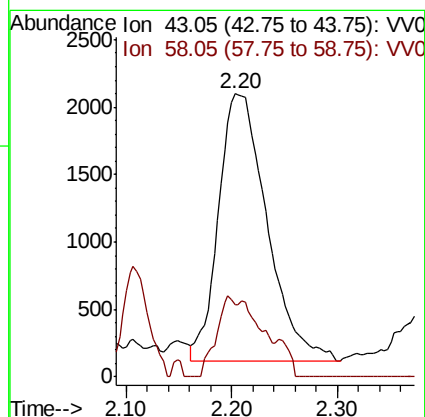
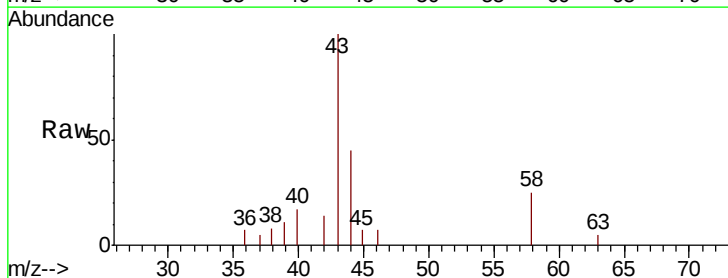
Instrument :
 MSVOA_V
 ClientSampled :

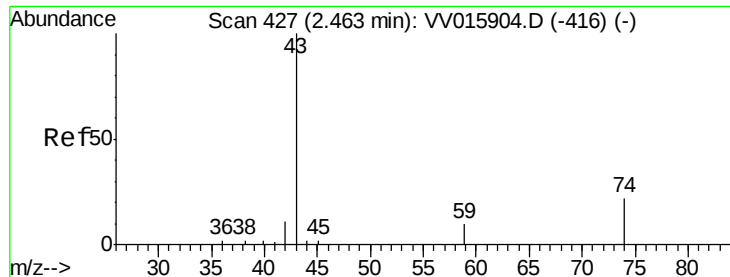
Tot Ion: 96 Resp: 1028
 Ion Ratio Lower Upper
 96 100
 61 799.8 139.9 259.7#
 63 5741.3 106.4 197.6#



#13
 Acetone
 Concen: 4.268 ug/L
 RT: 2.20 min Scan# 346
 Delta R.T. -0.04 min
 Lab File: VV015916.D
 Acq: 06 May 2020 17:40

Tgt Ion: 43 Resp: 6287
 Ion Ratio Lower Upper
 43 100
 58 13.3 0.0 30.8





#15

Methyl Acetate

Concen: 0.485 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV015916.D

Acq: 06 May 2020 17:40

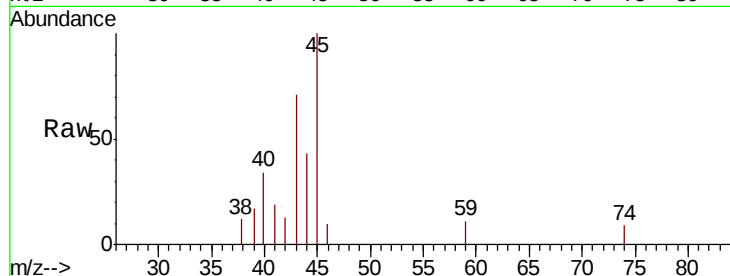
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1663

Ion Ratio Lower Upper

43 100

74 14.9 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VV015916.D (-334) (-)

Ion 74.05 (73.75 to 74.75): VV015916.D (-334) (-)

2.46

1200

1000

800

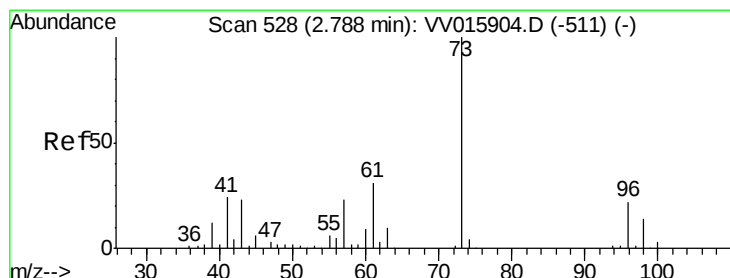
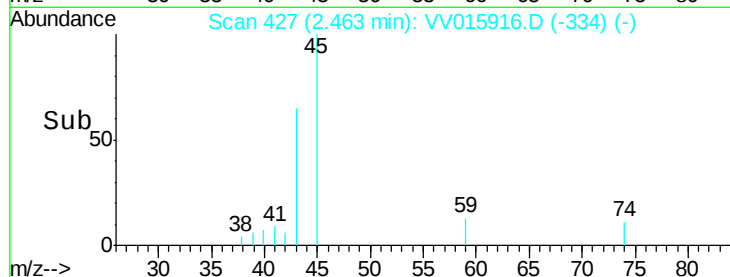
600

400

200

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.151 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015916.D

Acq: 06 May 2020 17:40

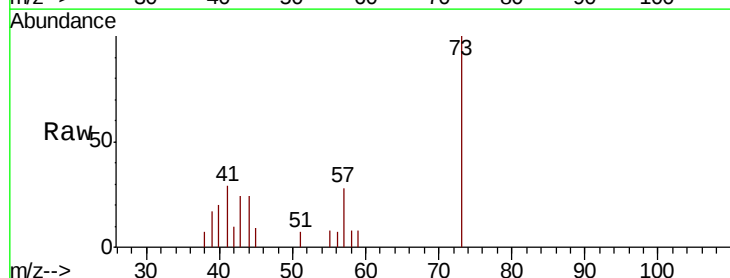
Tgt Ion: 73 Resp: 3360

Ion Ratio Lower Upper

73 100

43 19.0 18.8 28.2

57 30.5 17.8 26.6#



Abundance Ion 73.10 (72.80 to 73.80): VV015916.D (-435) (-)

Ion 43.05 (42.75 to 43.75): VV015916.D (-435) (-)

Ion 57.10 (56.80 to 57.80): VV015916.D (-435) (-)

2.79

2000

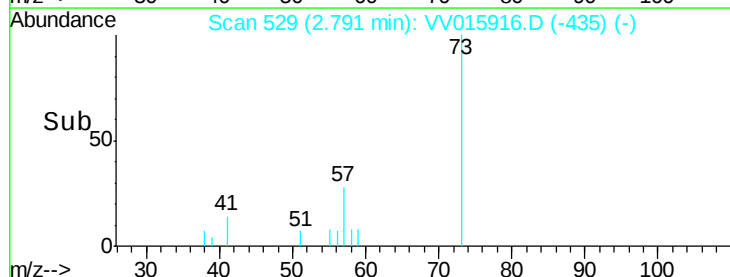
1500

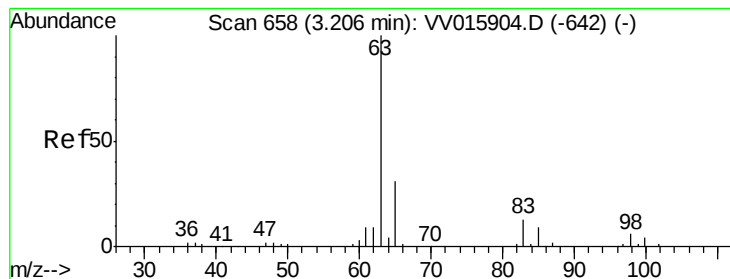
1000

500

0

Time-->





#19

1,1-Dichloroethane

Concen: 0.059 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.02 min

Lab File: VV015916.D

Acq: 06 May 2020 17:40

Instrument :

MSVOA_V

ClientSampleId :

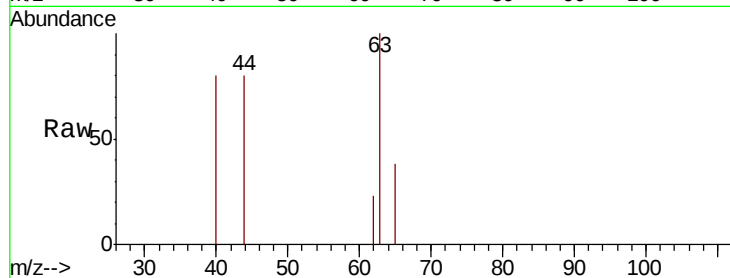
Tot Ion: 63 Resp: 1066

Ion Ratio Lower Upper

63 100

65 38.4 22.0 41.0

83 0.0 9.8 18.2#

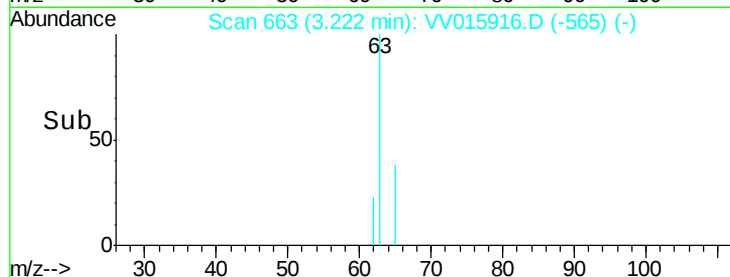


Abundance Ion 63.10 (62.80 to 63.80): VV015916.D (-565) (-)

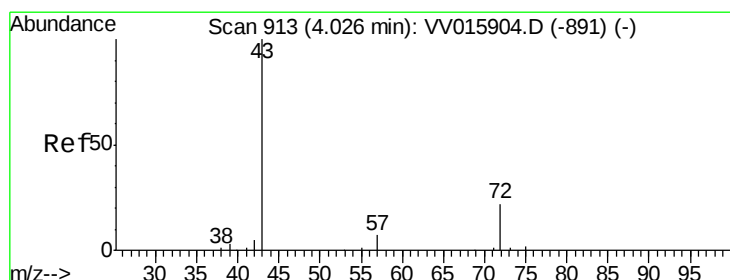
Ion 65.10 (64.80 to 65.80): VV015916.D (-565) (-)

Ion 83.05 (82.75 to 83.75): VV015916.D (-565) (-)

Time--> 3.15 3.20 3.25



Time--> 3.15 3.20 3.25



#21

2-Butanone

Concen: 839.783 ug/L

RT: 4.09 min Scan# 934

Delta R.T. 0.07 min

Lab File: VV015916.D

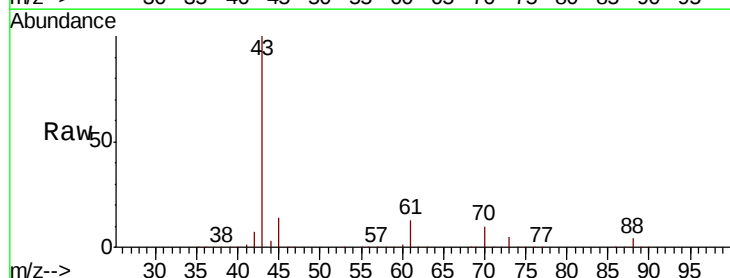
Acq: 06 May 2020 17:40

Tgt Ion: 43 Resp: 2066708

Ion Ratio Lower Upper

43 100

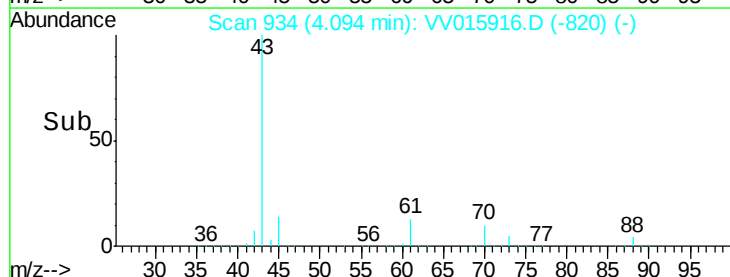
72 0.0 10.5 31.5#



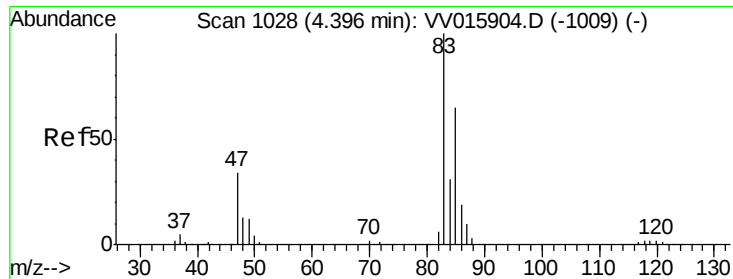
Abundance Ion 43.00 (42.70 to 43.70): VV015916.D (-820) (-)

Ion 72.00 (71.70 to 72.70): VV015916.D (-820) (-)

Time--> 4.00 4.20 4.40



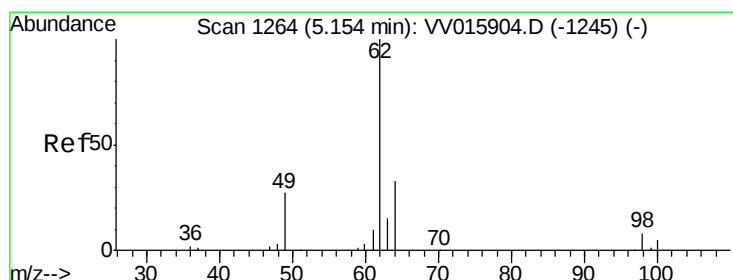
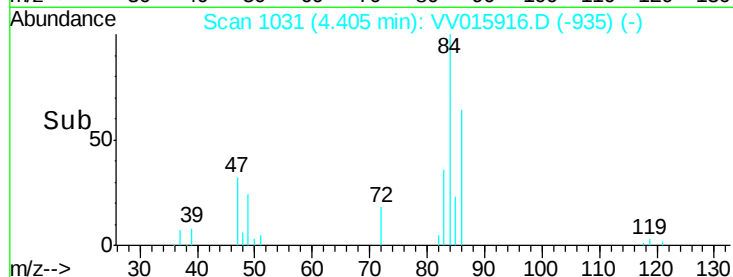
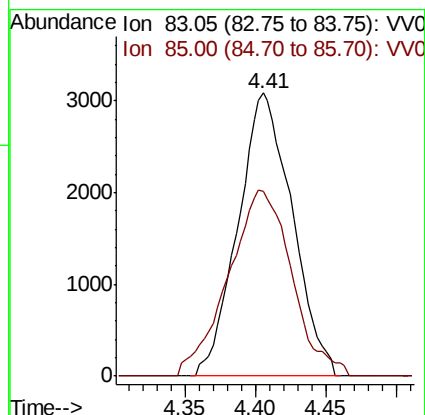
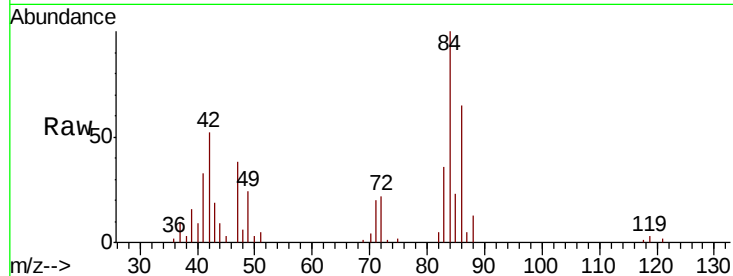
Time--> 4.00 4.20 4.40



#25
Chloroform
Concen: 0.421 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015916.D
Acq: 06 May 2020 17:40

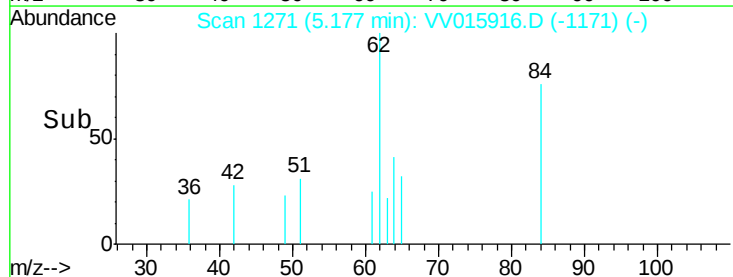
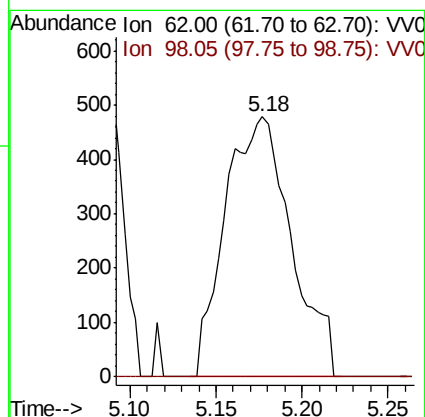
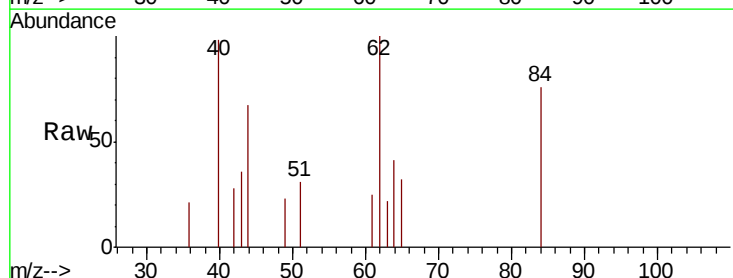
Instrument :
MSVOA_V
ClientSampled :

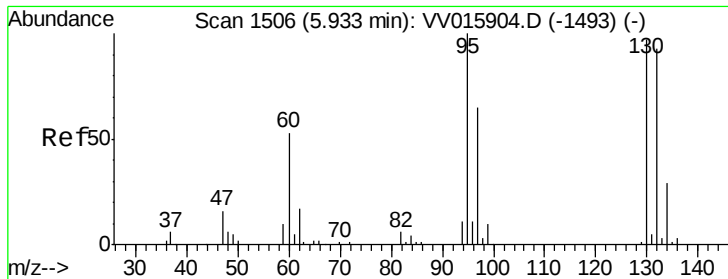
Tot Ion: 83 Resp: 8274
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.105 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.02 min
Lab File: VV015916.D
Acq: 06 May 2020 17:40

Tgt Ion: 62 Resp: 1281
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

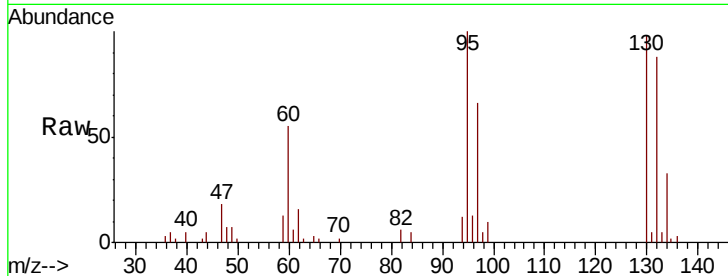




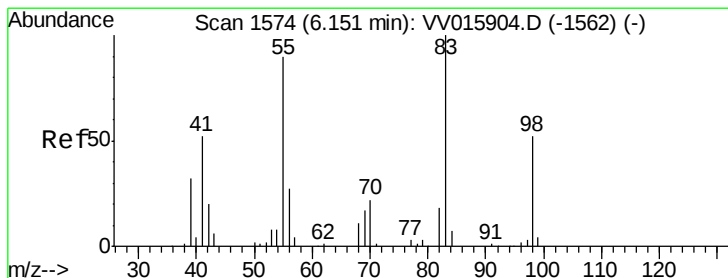
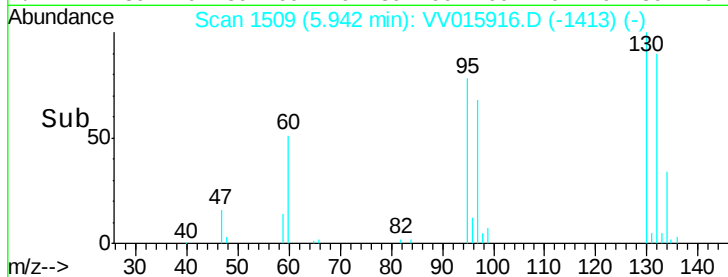
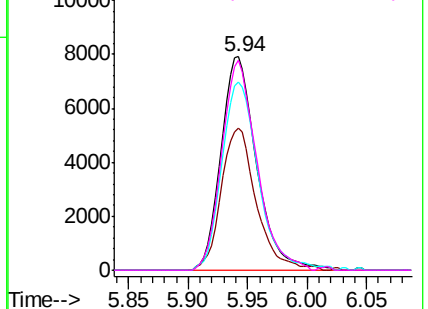
#34
 Trichloroethene
 Concen: 1.559 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV015916.D
 Acq: 06 May 2020 17:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 16455
 Ion Ratio Lower Upper
 95 100
 97 66.5 43.3 80.5
 132 88.3 60.3 112.1
 130 98.2 66.0 122.6

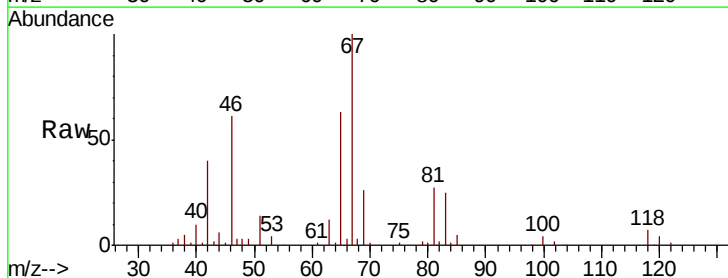


Abundance Ion 95.00 (94.70 to 95.70): VV015916.D (-1413) (-)
 Ion 96.95 (96.65 to 97.65): VV015916.D (-1413) (-)
 Ion 131.95 (131.65 to 132.65): VV015916.D (-1413) (-)
 Ion 129.95 (129.65 to 130.65): VV015916.D (-1413) (-)

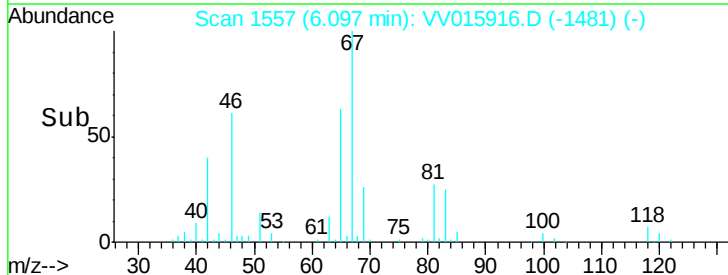
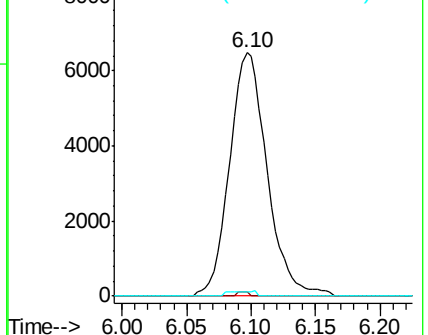


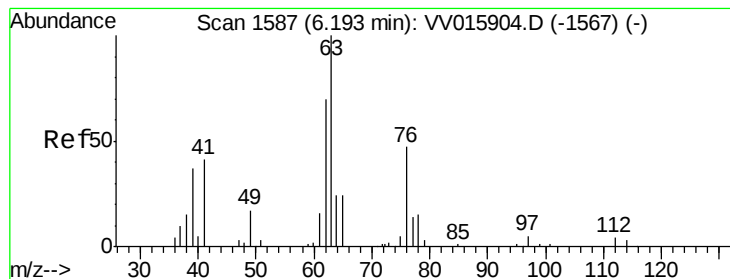
#35
 Methylcyclohexane
 Concen: 0.758 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV015916.D
 Acq: 06 May 2020 17:40

Tgt Ion: 83 Resp: 13098
 Ion Ratio Lower Upper
 83 100
 55 0.5 66.2 99.2#
 98 0.8 37.9 56.9#



Abundance Ion 83.15 (82.85 to 83.85): VV015916.D (-1481) (-)
 Ion 55.10 (54.80 to 55.80): VV015916.D (-1481) (-)
 Ion 98.15 (97.85 to 98.85): VV015916.D (-1481) (-)





#37

1,2-Dichloropropane

Concen: 0.702 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV015916.D

Acq: 06 May 2020 17:40

Instrument :

MSVOA_V

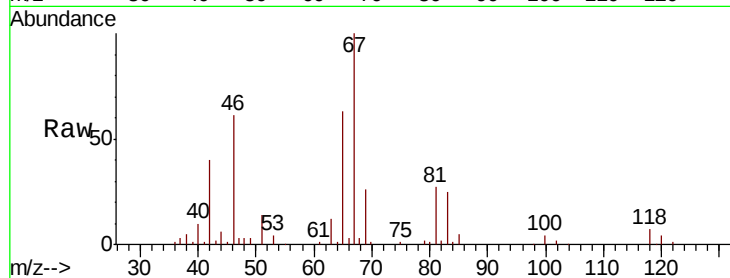
ClientSampleId :

Tot Ion: 63 Resp: 6815

Ion Ratio Lower Upper

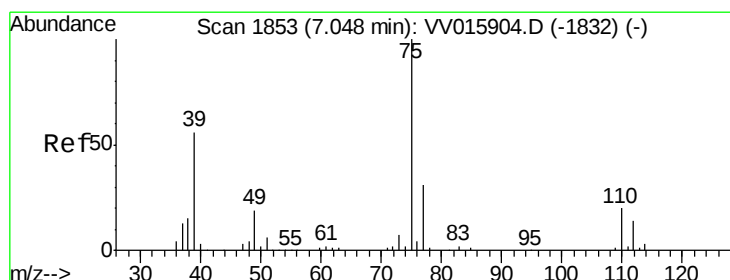
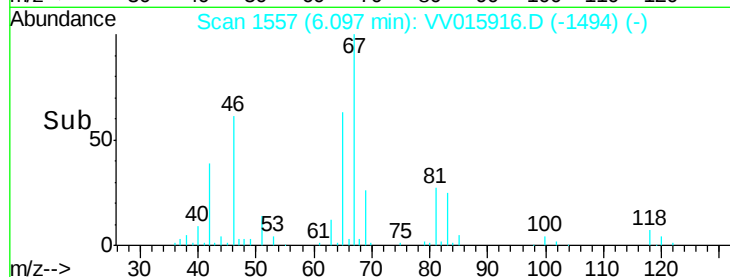
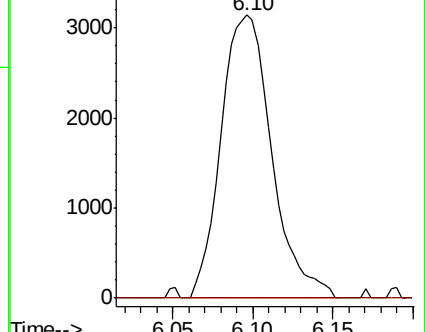
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV015916.D (-1494) (-)

Ion 112.10 (111.80 to 112.80): VV015916.D (-1494) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV015916.D

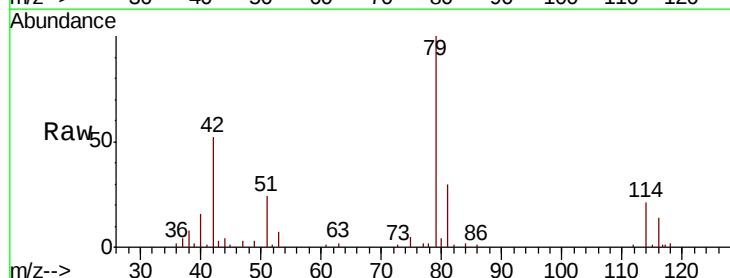
Acq: 06 May 2020 17:40

Tgt Ion: 75 Resp: 1557

Ion Ratio Lower Upper

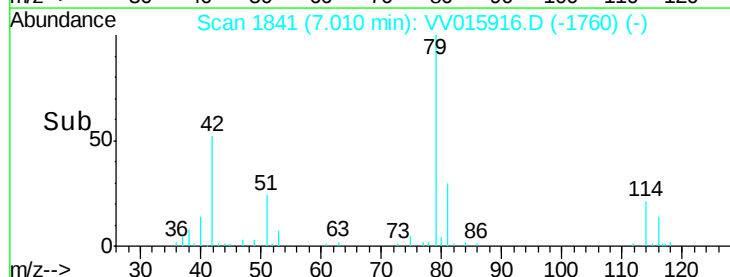
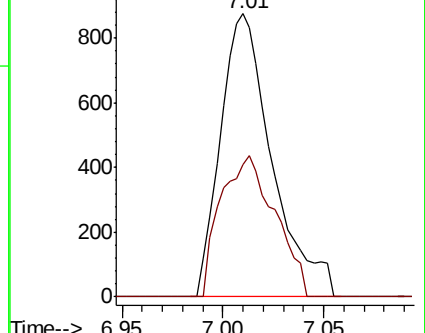
75 100

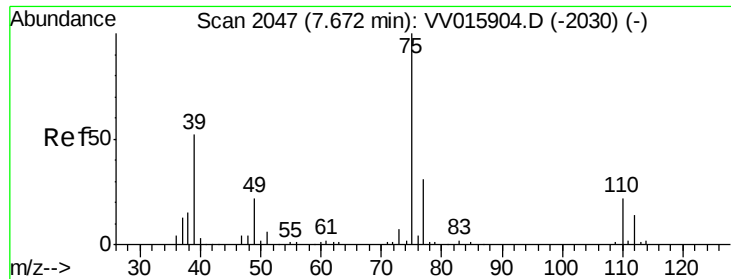
77 46.9 21.3 39.5#



Abundance Ion 75.05 (74.75 to 75.75): VV015916.D (-1760) (-)

Ion 77.05 (76.75 to 77.75): VV015916.D (-1760) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV015916.D

Acq: 06 May 2020 17:40

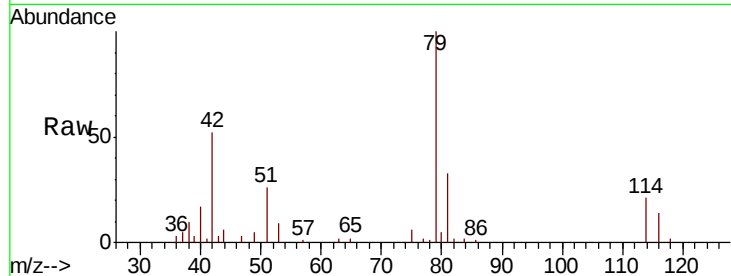
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 931

Ion Ratio Lower Upper

75 100

77 38.9 21.3 39.6

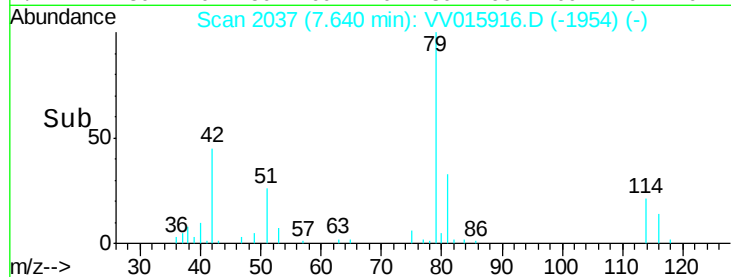


Abundance Ion 75.05 (74.75 to 75.75): VV015916.D (-1954) (-)

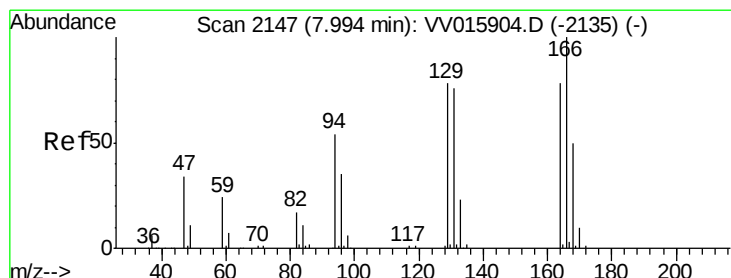
Ion 77.05 (76.75 to 77.75): VV015916.D (-1954) (-)

7.64

Time-->



Time-->



#47

Tetrachloroethene

Concen: 0.631 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015916.D

Acq: 06 May 2020 17:40

Tgt Ion: 164 Resp: 4965

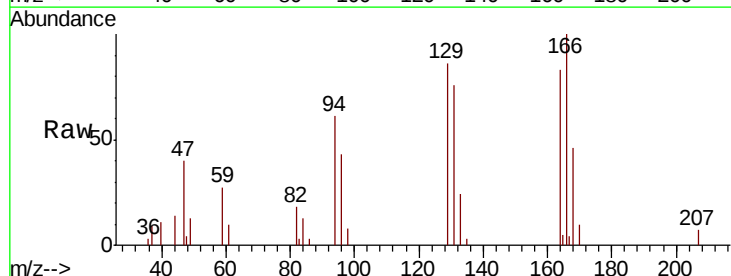
Ion Ratio Lower Upper

164 100

129 103.3 69.7 129.4

131 91.2 66.8 124.2

166 120.1 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV015916.D (-2054) (-)

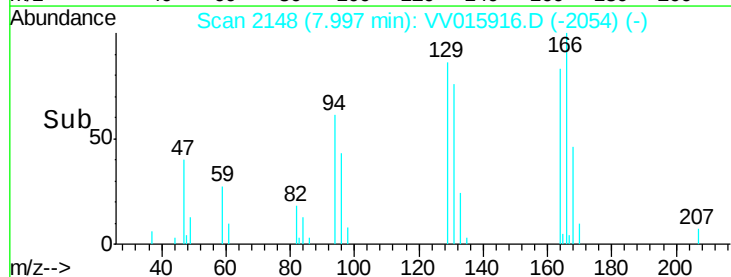
Ion 128.95 (128.65 to 129.65): VV015916.D (-2054) (-)

Ion 130.95 (130.65 to 131.65): VV015916.D (-2054) (-)

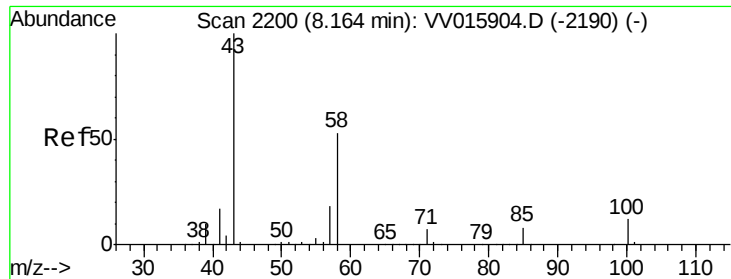
Ion 165.90 (165.60 to 166.60): VV015916.D (-2054) (-)

8.00

Time-->



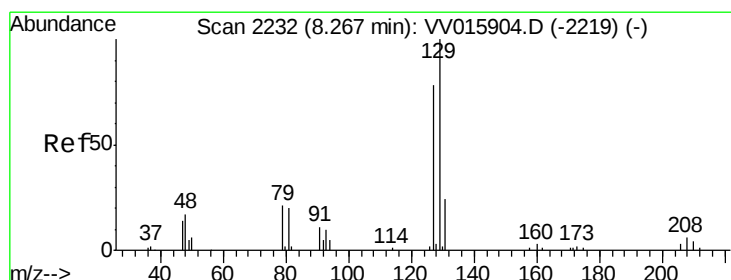
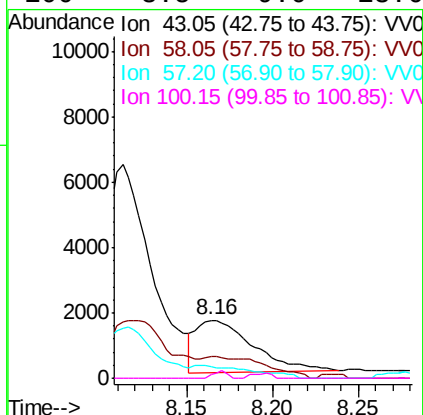
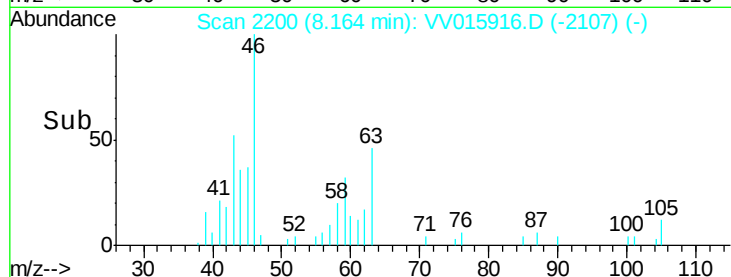
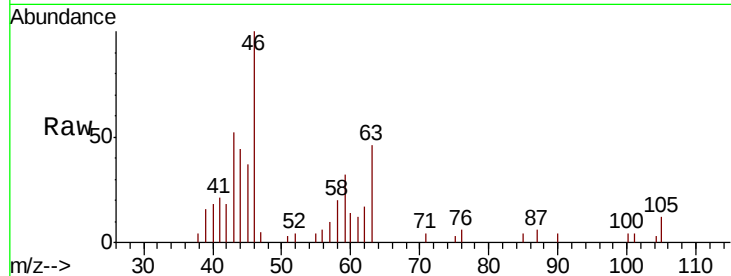
Time-->



#48
2-Hexanone
Concen: 0.837 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015916.D
Acq: 06 May 2020 17:40

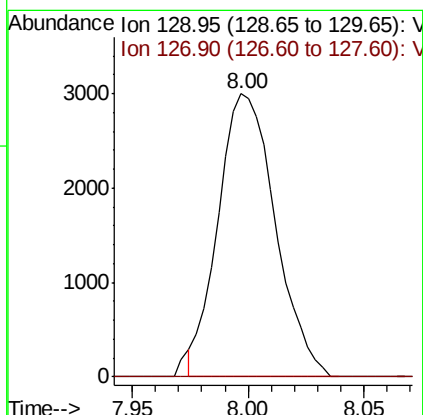
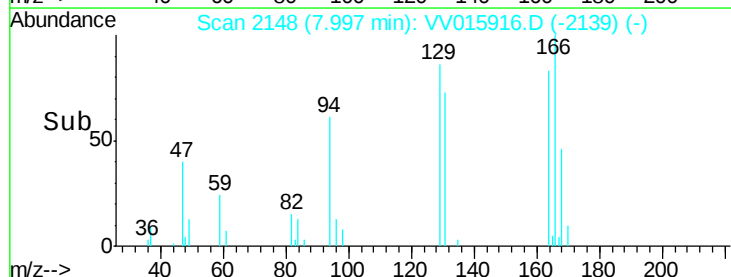
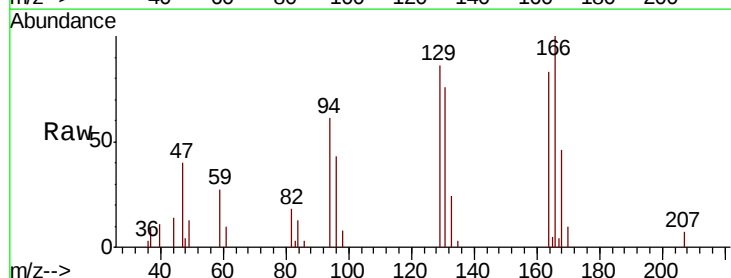
Instrument :
MSVOA_V
ClientSampleId :

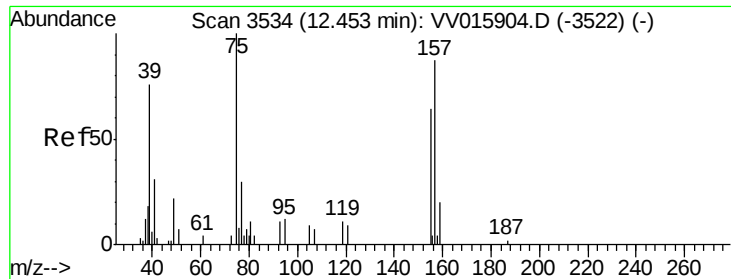
Tot Ion: 43 Resp: 3620
Ion Ratio Lower Upper
43 100
58 0.0 40.8 61.2#
57 25.8 14.7 22.1#
100 3.5 9.0 13.6#



#49
Dibromochloromethane
Concen: 0.728 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015916.D
Acq: 06 May 2020 17:40

Tgt Ion: 129 Resp: 5141
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#





#66

1,2-Dibromo-3-chloropropane

Concen: 0.626 ug/L

RT: 12.27 min Scan# 3478

Delta R.T. -0.18 min

Lab File: VV015916.D

Acq: 06 May 2020 17:40

Instrument :

MSVOA_V

ClientSampleId :

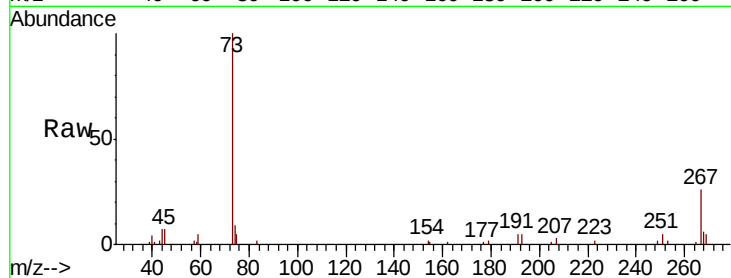
Tot Ion: 75 Resp: 764

Ion Ratio Lower Upper

75 100

155 0.0 58.2 87.4#

157 0.0 79.4 119.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

