

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050620\
 Data File : VV015920.D
 Acq On : 06 May 2020 19:14
 Operator : SY/MD
 Sample : L2527-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 07 02:06:51 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	151281	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	146375	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	68511	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42565	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.58	69	38477	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.12	63	65124	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	3.93	46	118250	49.02	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.04%
24) Chloroform-d	4.38	84	84295	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.06	65	52020	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.08	84	176381	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.10	67	54998	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.34	98	158814	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.64	79	18234	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.11	63	88402	45.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.86%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	36898	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	58459	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.12	96	651	0.077	ug/L #	1
13) Acetone	2.20	43	7882	5.307	ug/L	69
15) Methyl Acetate	2.46	43	830	0.240	ug/L #	51
17) Methyl tert-butyl Ether	2.79	73	4621	0.206	ug/L #	1
21) 2-Butanone	4.11	43	96031	38.698	ug/L #	55
22) cis-1,2-Dichloroethene	3.94	96	1967	0.198	ug/L #	56
25) Chloroform	4.41	83	12033	0.608	ug/L	97
30) Cyclohexane	4.71	56	4287	0.251	ug/L	96
34) Trichloroethene	5.95	95	4547	0.436	ug/L	95
35) Methylcyclohexane	6.10	83	13772	0.806	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	7168	0.747	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1729	0.128	ug/L #	59
44) trans-1,3-Dichloropropene	7.65	75	1067	0.093	ug/L #	42
47) Tetrachloroethene	8.00	164	33716	4.332	ug/L	99
48) 2-Hexanone	8.16	43	2996	0.701	ug/L #	62
49) Dibromochloromethane	8.00	129	33326	4.777	ug/L #	9

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QLast Update : Thu May 07 02:01:25 2020
Response via : Initial Calibration

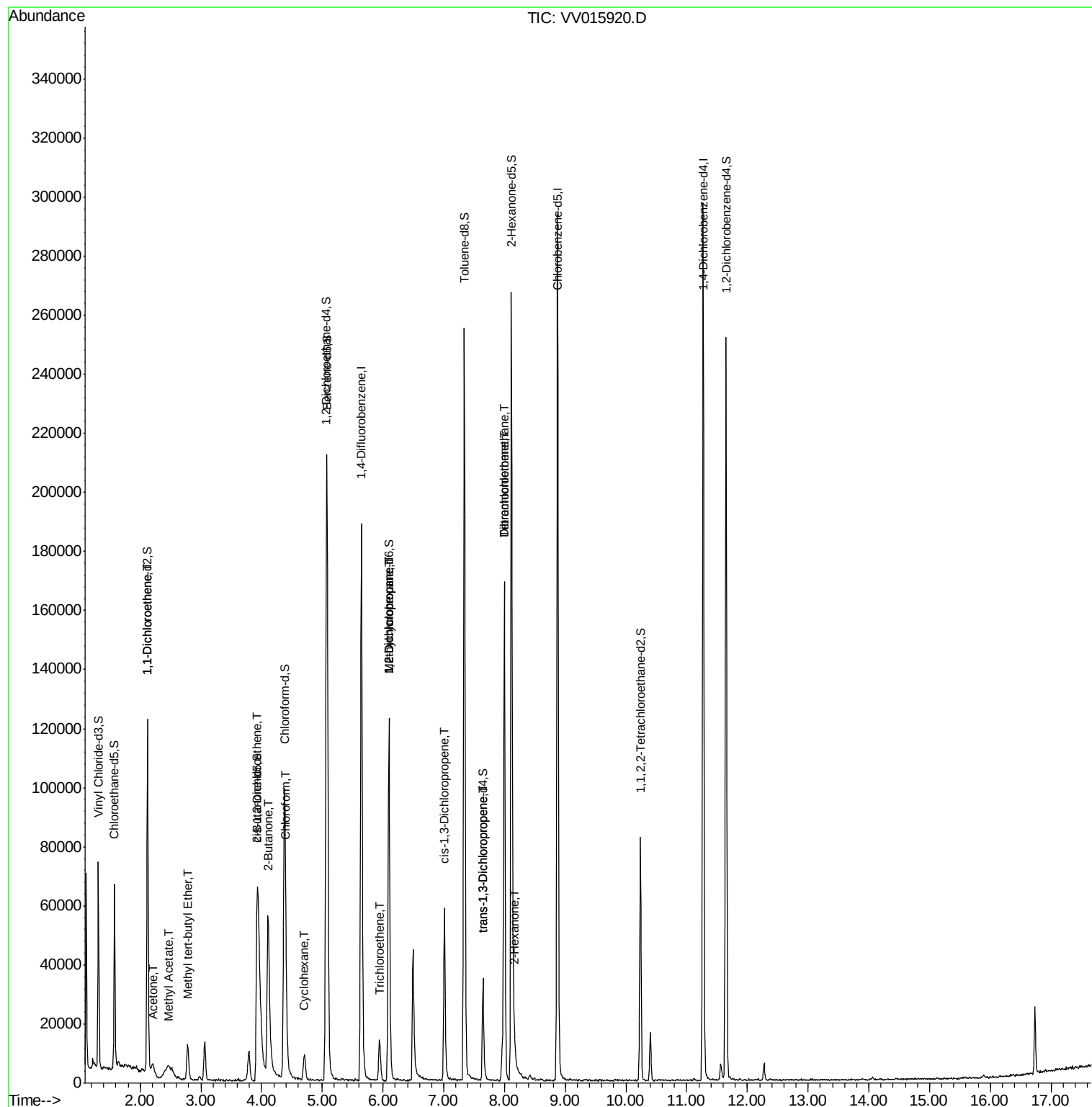
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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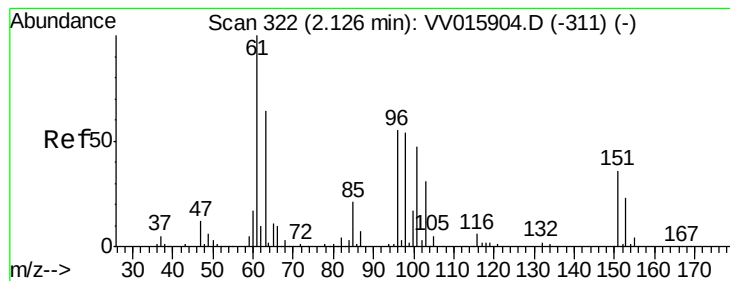
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 07 02:01:25 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.077 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015920.D

Acq: 06 May 2020 19:14

Instrument :

MSVOA_V

ClientSampled :

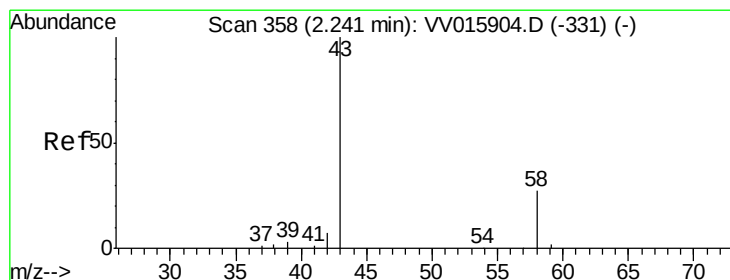
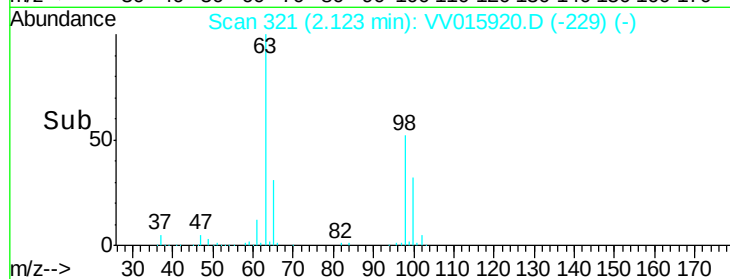
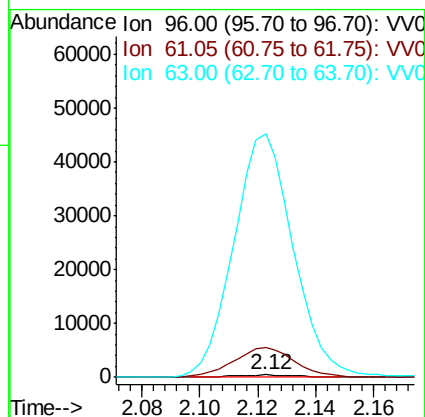
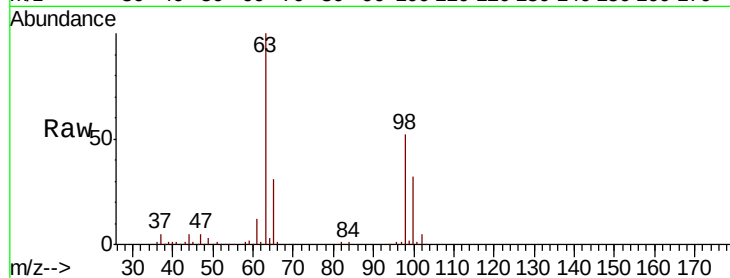
Tot Ion: 96 Resp: 651

Ion Ratio Lower Upper

96 100

61 1246.5 139.9 259.7#

63 10297.9 106.4 197.6#



#13

Acetone

Concen: 5.307 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.04 min

Lab File: VV015920.D

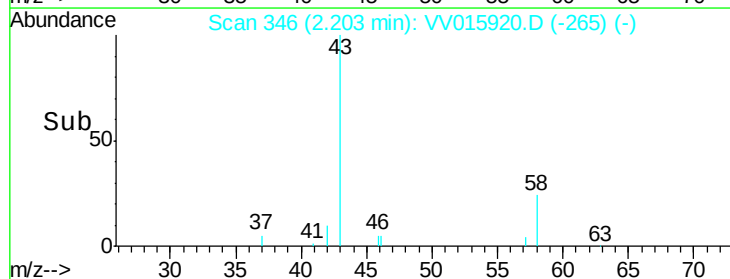
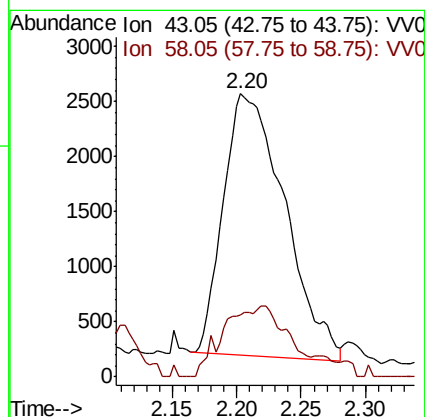
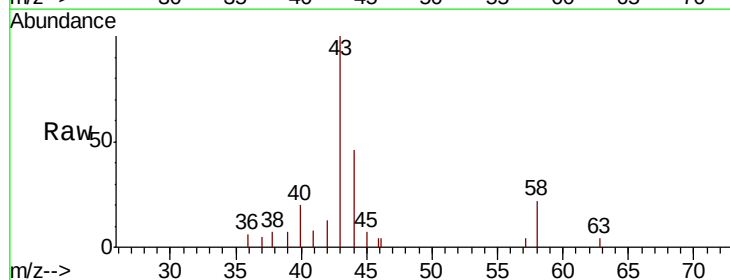
Acq: 06 May 2020 19:14

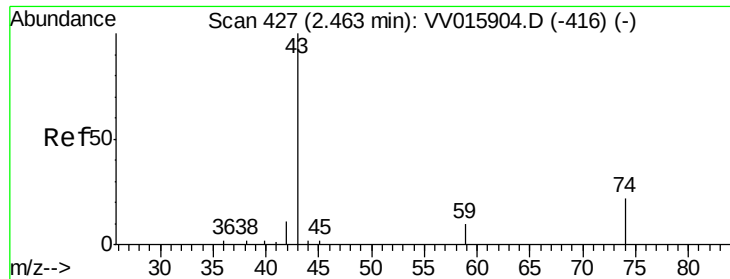
Tgt Ion: 43 Resp: 7882

Ion Ratio Lower Upper

43 100

58 28.4 0.0 30.8

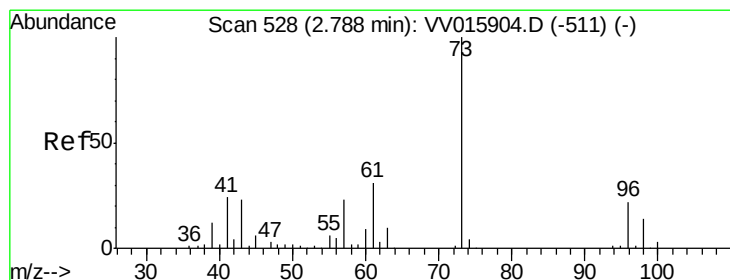
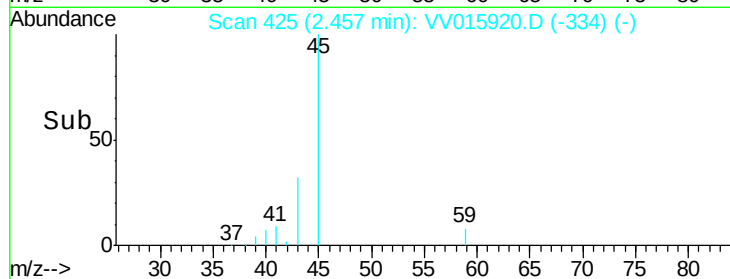
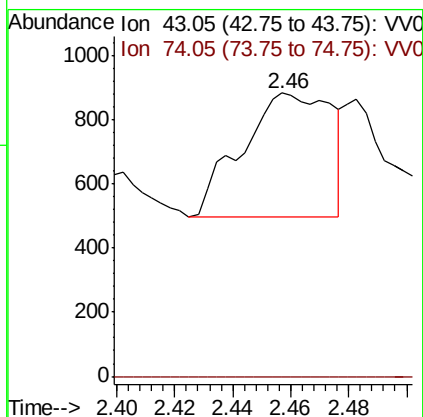
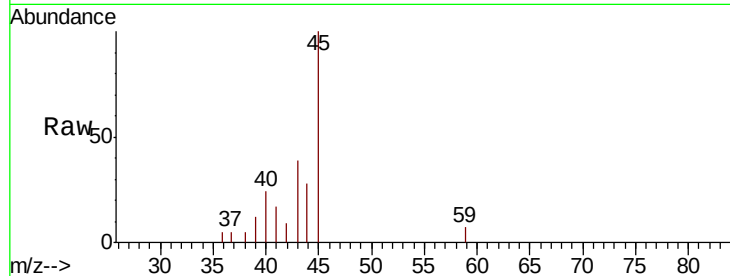




#15
Methyl Acetate
Concen: 0.240 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV015920.D
Acq: 06 May 2020 19:14

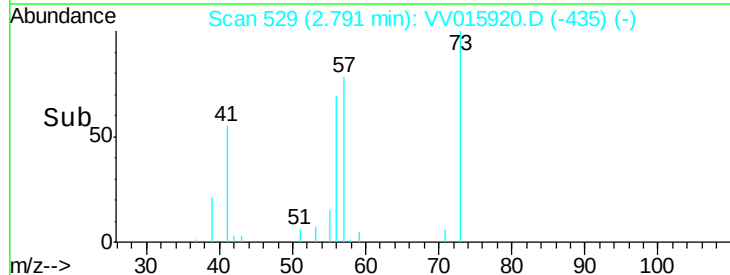
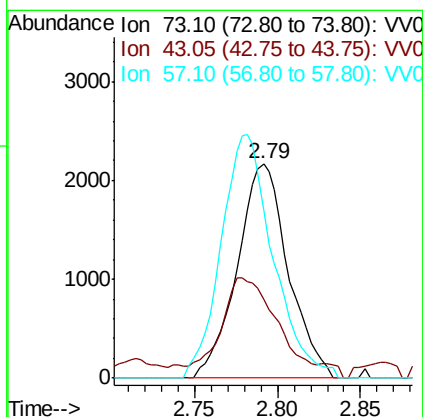
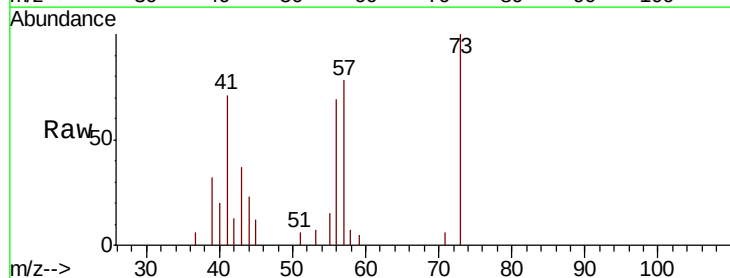
Instrument :
MSVOA_V
ClientSampled :

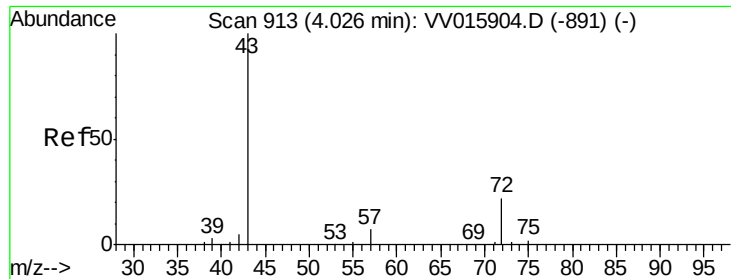
Tot Ion: 43 Resp: 830
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#17
Methyl tert-butyl Ether
Concen: 0.206 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015920.D
Acq: 06 May 2020 19:14

Tgt Ion: 73 Resp: 4621
Ion Ratio Lower Upper
73 100
43 41.6 18.8 28.2#
57 115.5 17.8 26.6#





#21

2-Butanone

Concen: 38.698 ug/L

RT: 4.11 min Scan# 938

Delta R.T. 0.08 min

Lab File: VV015920.D

Acq: 06 May 2020 19:14

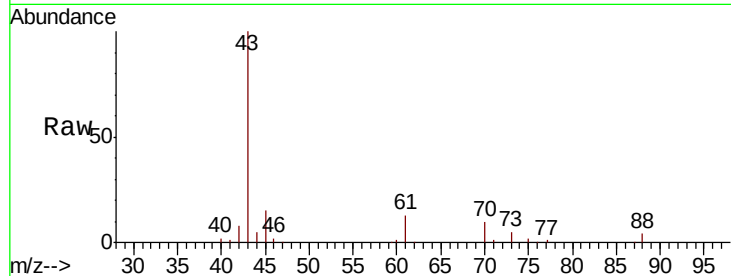
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 96031

Ion Ratio Lower Upper

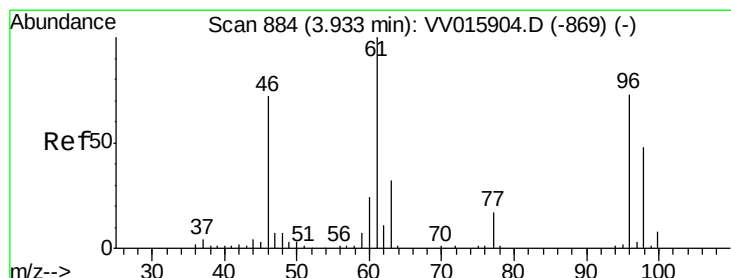
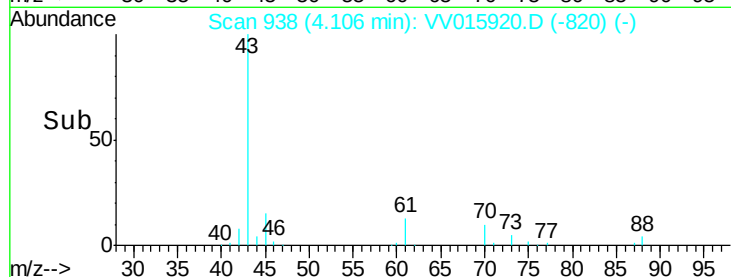
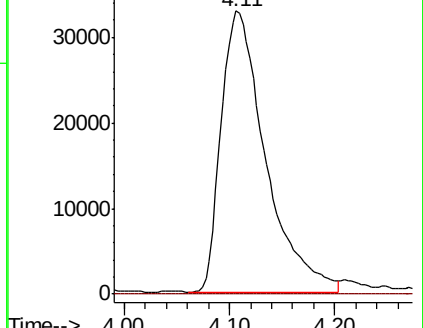
43 100

72 0.0 10.5 31.5#



Abundance Ion 43.00 (42.70 to 43.70): VV015920.D (-938) (-)

Ion 72.00 (71.70 to 72.70): VV015920.D (-938) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.198 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV015920.D

Acq: 06 May 2020 19:14

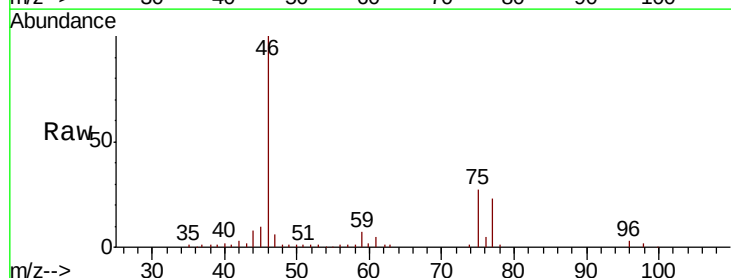
Tgt Ion: 96 Resp: 1967

Ion Ratio Lower Upper

96 100

61 191.7 97.2 180.6#

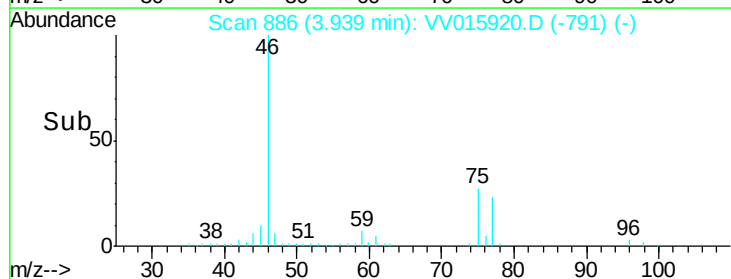
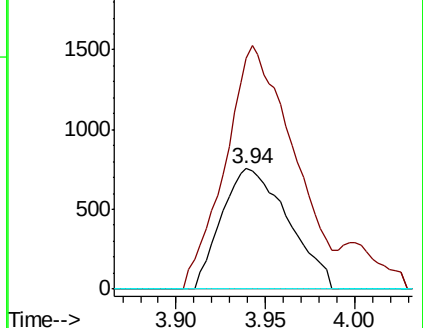
68 0.0 0.0 0.0

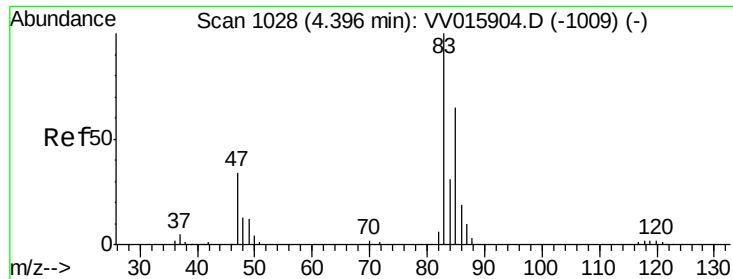


Abundance Ion 96.00 (95.70 to 96.70): VV015920.D (-886) (-)

Ion 61.05 (60.75 to 61.75): VV015920.D (-886) (-)

Ion 68.15 (67.85 to 68.85): VV015920.D (-886) (-)

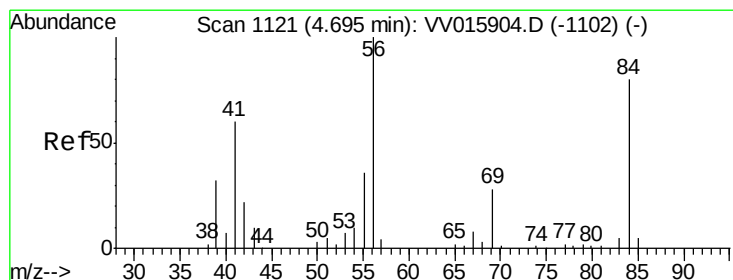
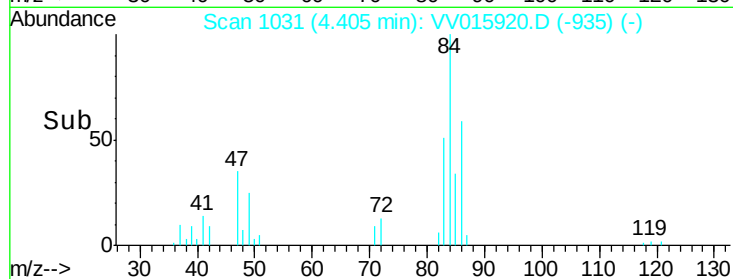
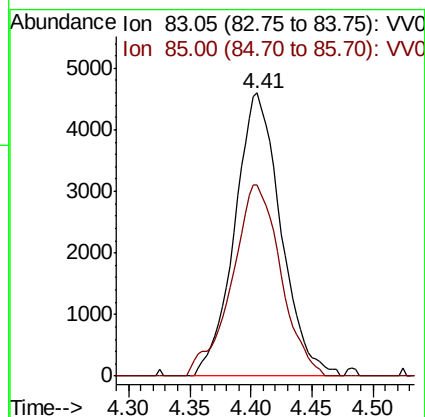
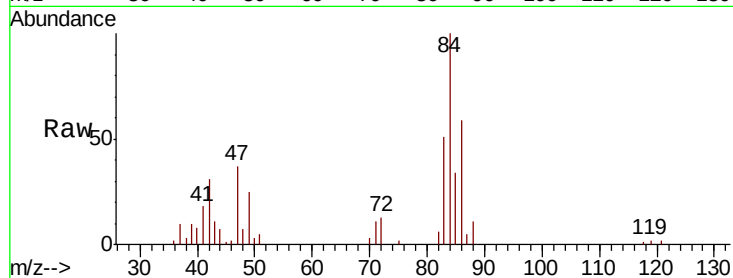




#25
Chloroform
Concen: 0.608 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015920.D
Acq: 06 May 2020 19:14

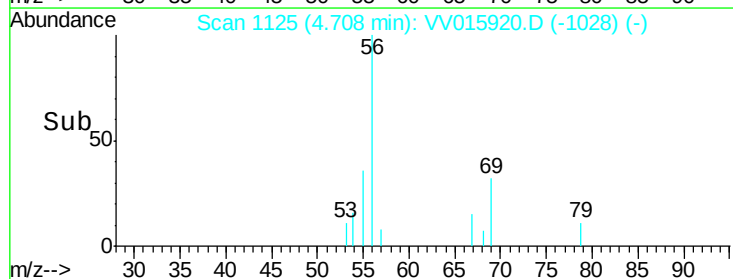
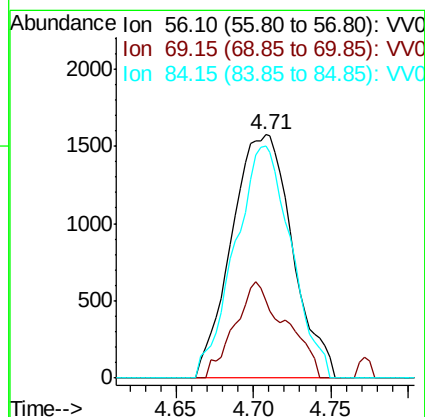
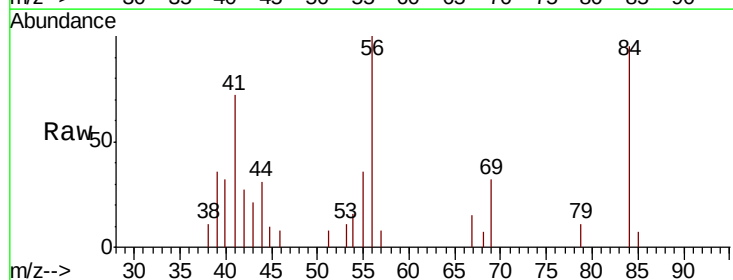
Instrument :
MSVOA_V
ClientSampled :

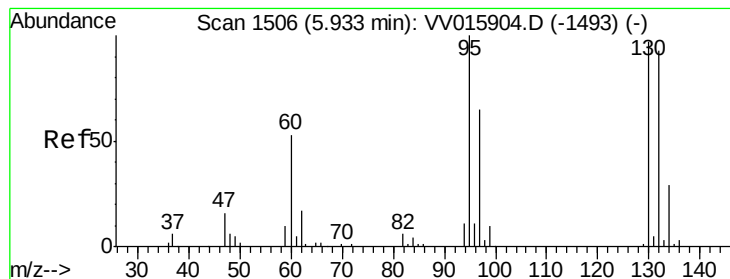
Tot Ion: 83 Resp: 12033
Ion Ratio Lower Upper
83 100
85 67.7 45.7 84.9



#30
Cyclohexane
Concen: 0.251 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV015920.D
Acq: 06 May 2020 19:14

Tgt Ion: 56 Resp: 4287
Ion Ratio Lower Upper
56 100
69 33.3 24.2 36.2
84 88.5 68.3 102.5





#34

Trichloroethene

Concen: 0.436 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV015920.D

Acq: 06 May 2020 19:14

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 4547

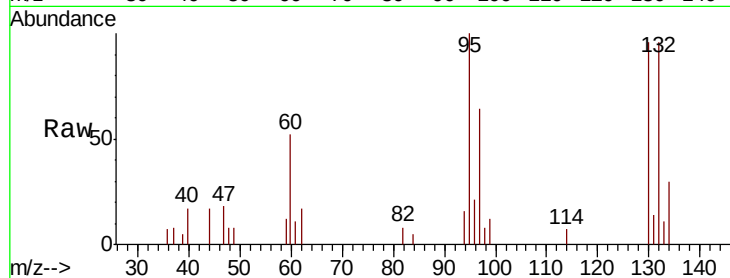
Ion Ratio Lower Upper

95 100

97 63.9 43.3 80.5

132 96.0 60.3 112.1

130 95.5 66.0 122.6

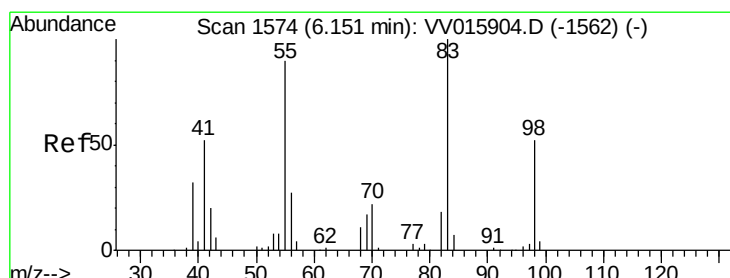
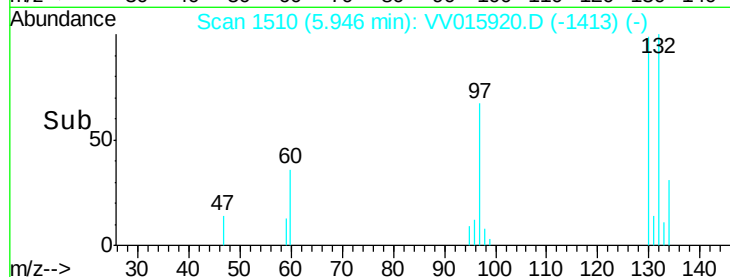
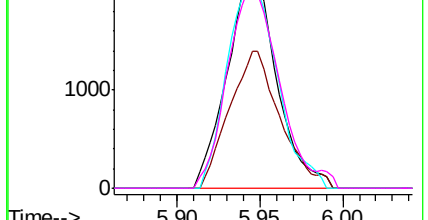


Abundance Ion 95.00 (94.70 to 95.70): VV015920.D (-1493) (-)

Ion 96.95 (96.65 to 97.65): VV015920.D (-1493) (-)

Ion 131.95 (131.65 to 132.65): VV015920.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV015920.D (-1493) (-)



#35

Methylcyclohexane

Concen: 0.806 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV015920.D

Acq: 06 May 2020 19:14

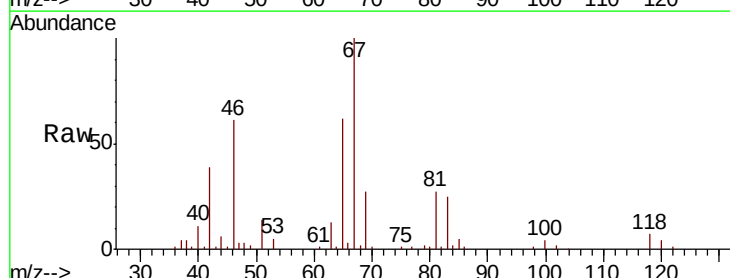
Tgt Ion: 83 Resp: 13772

Ion Ratio Lower Upper

83 100

55 0.1 66.2 99.2#

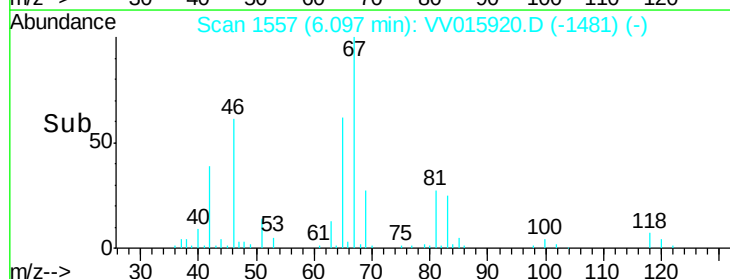
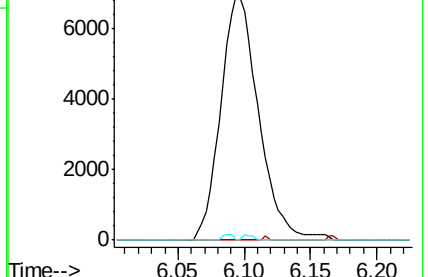
98 0.6 37.9 56.9#

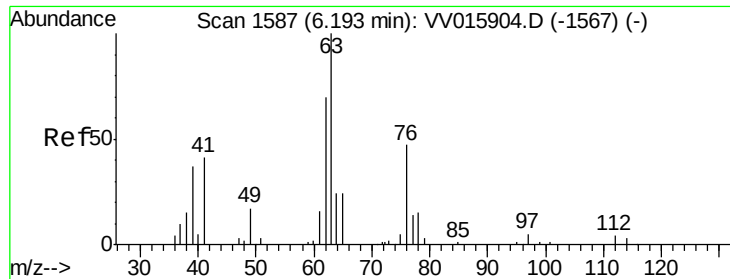


Abundance Ion 83.15 (82.85 to 83.85): VV015920.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV015920.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV015920.D (-1481) (-)

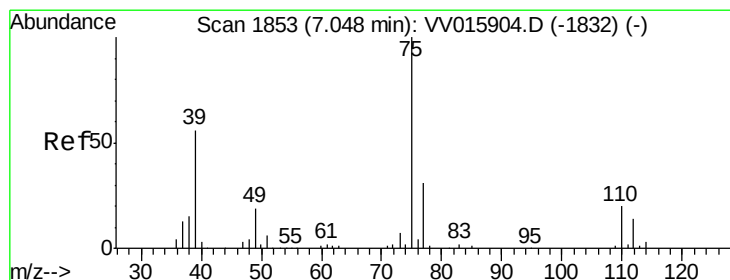
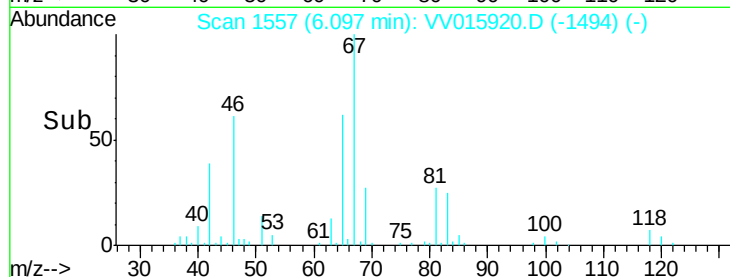
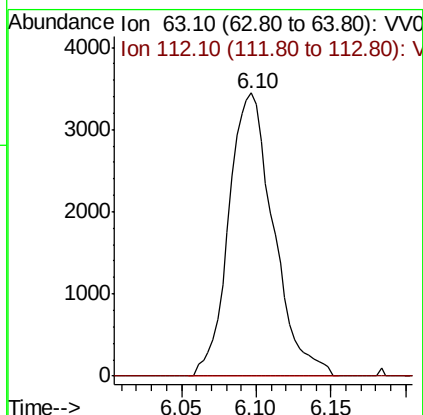
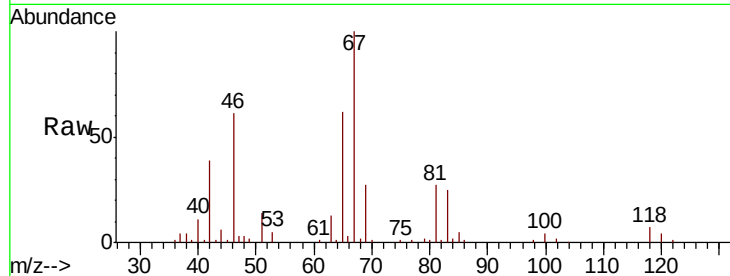




#37
 1,2-Dichloropropane
 Concen: 0.747 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015920.D
 Acq: 06 May 2020 19:14

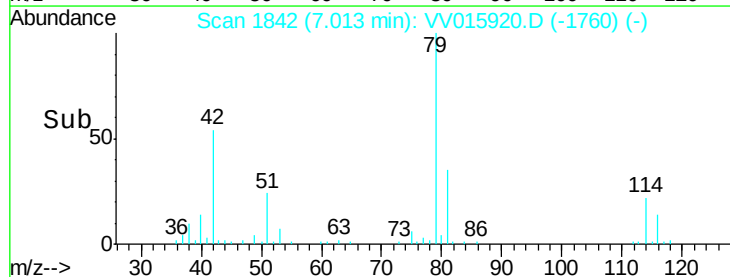
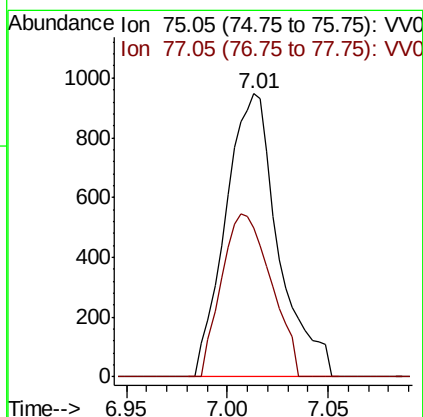
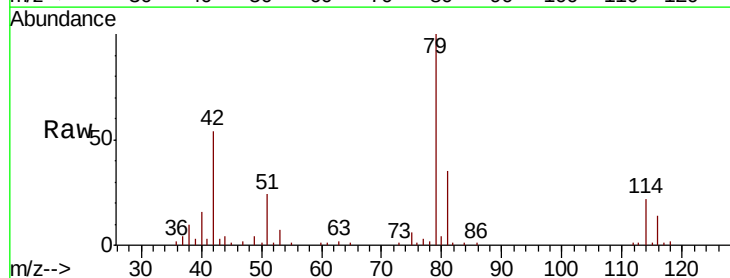
Instrument :
 MSVOA_V
 ClientSampleId :

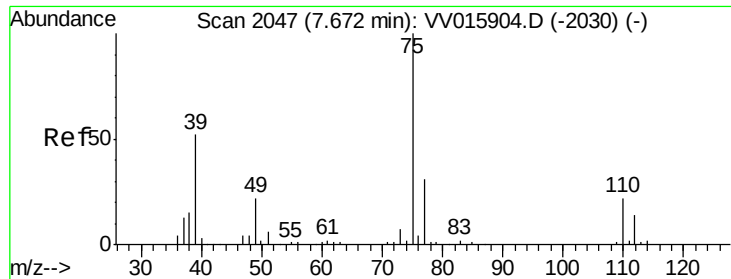
Tot Ion: 63 Resp: 7168
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.128 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV015920.D
 Acq: 06 May 2020 19:14

Tgt Ion: 75 Resp: 1729
 Ion Ratio Lower Upper
 75 100
 77 52.5 21.3 39.5#





#44

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015920.D

Acq: 06 May 2020 19:14

Instrument :

MSVOA_V

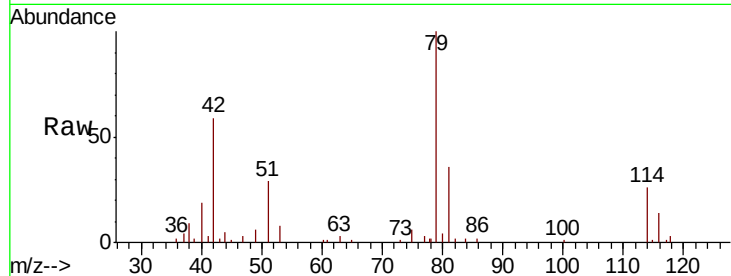
ClientSampleId :

Tot Ion: 75 Resp: 1067

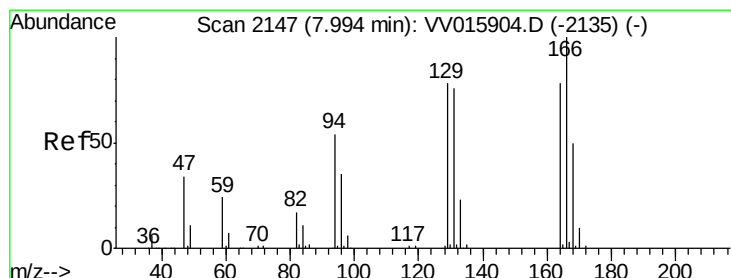
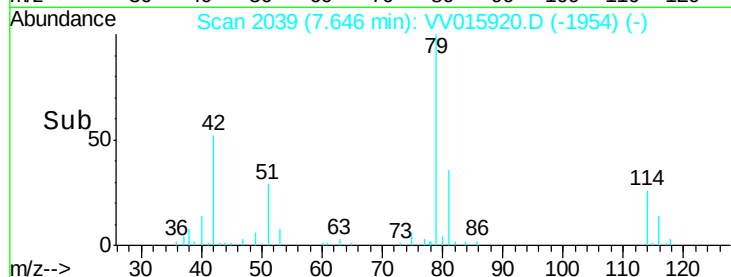
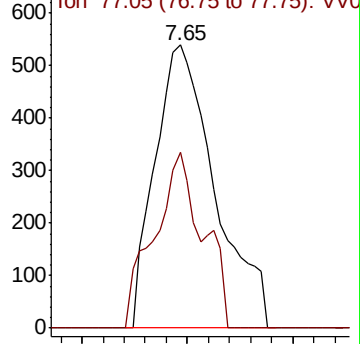
Ion Ratio Lower Upper

75 100

77 62.0 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015920.D (-1954) (-)



#47

Tetrachloroethene

Concen: 4.332 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015920.D

Acq: 06 May 2020 19:14

Tgt Ion: 164 Resp: 33716

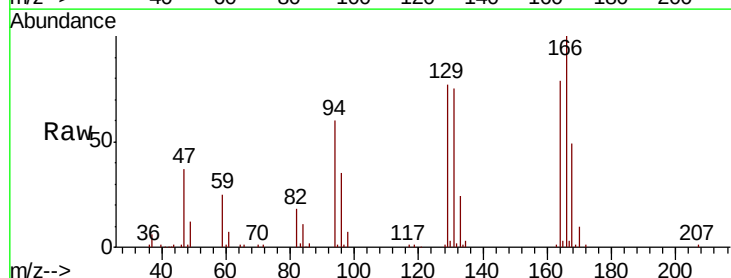
Ion Ratio Lower Upper

164 100

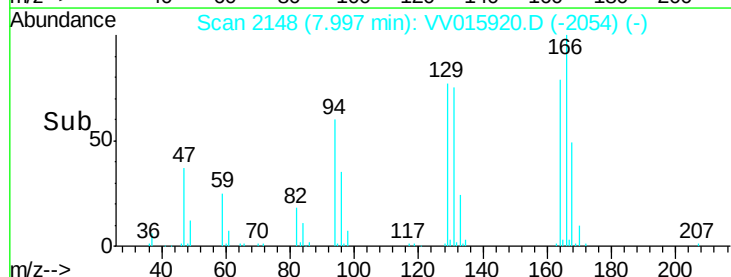
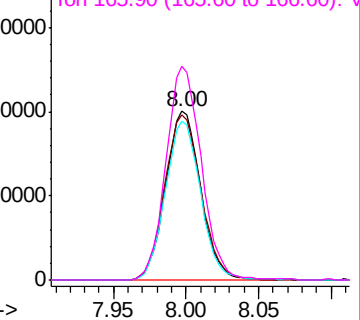
129 97.7 69.7 129.4

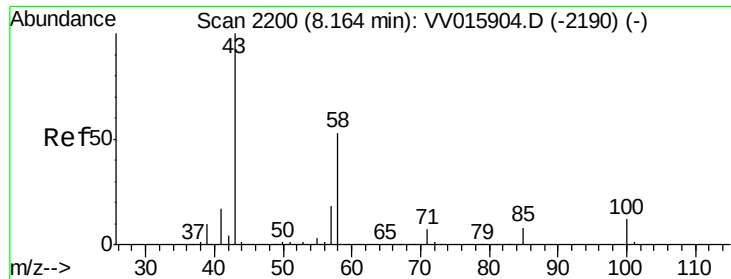
131 94.4 66.8 124.2

166 126.6 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV015920.D (-2054) (-)

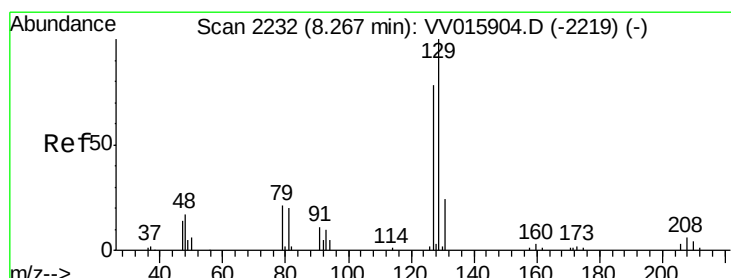
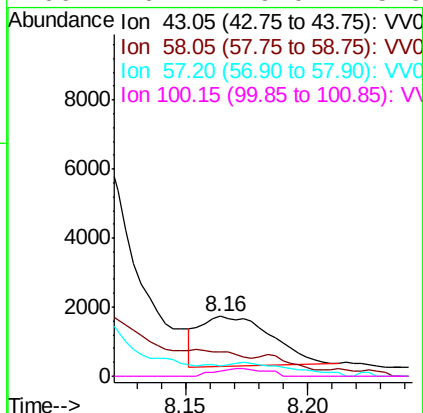
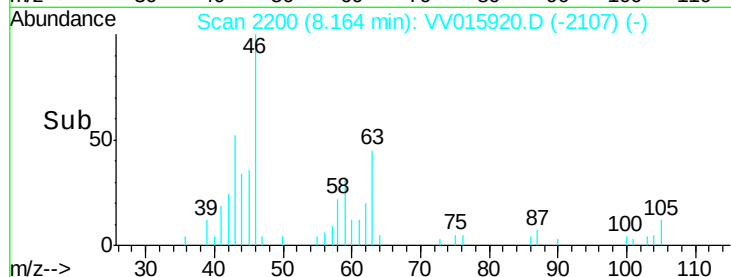
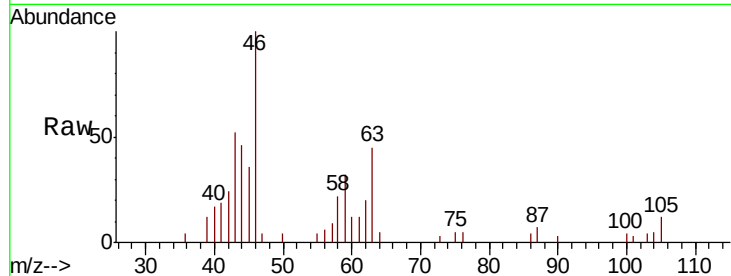




#48
2-Hexanone
Concen: 0.701 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015920.D
Acq: 06 May 2020 19:14

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2996
Ion Ratio Lower Upper
43 100
58 12.5 40.8 61.2#
57 24.4 14.7 22.1#
100 10.4 9.0 13.6



#49
Dibromochloromethane
Concen: 4.777 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015920.D
Acq: 06 May 2020 19:14

Tgt Ion: 129 Resp: 33326
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#

