

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041420\
 Data File : VV015464.D
 Acq On : 14 Apr 2020 16:29
 Operator : SY/MD
 Sample : L2273-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YAQ84

Quant Time: Apr 15 02:22:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 15 02:17:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	114964	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	110065	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	54123	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33617	5.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.60%
7) Chloroethane-d5	1.58	69	29050	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.12	63	47031	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	3.93	46	78368	46.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.58%
24) Chloroform-d	4.38	84	63219	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.06	65	34385	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.08	84	125134	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.10	67	38653	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.34	98	116345	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.65	79	15776	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.11	63	62632	39.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.52%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	27056	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	43246	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

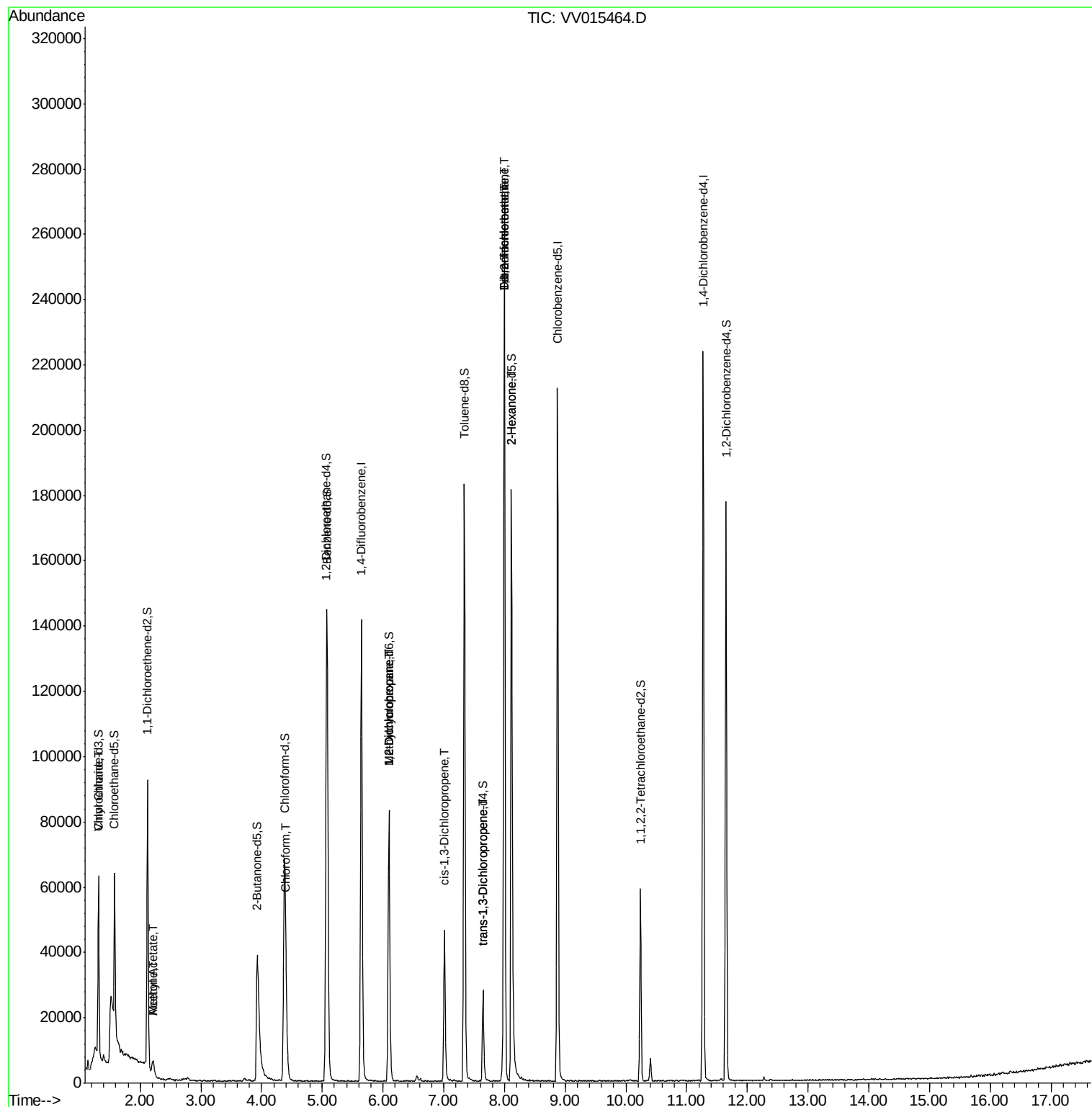
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.31	64	2700	0.446	ug/L	97
13) Acetone	2.21	43	9935	8.396	ug/L #	54
15) Methyl Acetate	2.21	43	9705	2.772	ug/L #	57
25) Chloroform	4.41	83	15509	0.989	ug/L	95
35) Methylcyclohexane	6.10	83	9287	0.622	ug/L #	15
37) 1,2-Dichloropropane	6.09	63	4506	0.552	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1266	0.101	ug/L	83
44) trans-1,3-Dichloropropene	7.65	75	673	0.063	ug/L #	49
45) 1,1,2-Trichloroethane	7.99	97	521	0.095	ug/L #	14
47) Tetrachloroethene	8.00	164	56753	8.639	ug/L	98
48) 2-Hexanone	8.11	43	9696	2.587	ug/L #	76
49) Dibromochloromethane	8.00	129	54099	8.223	ug/L #	10

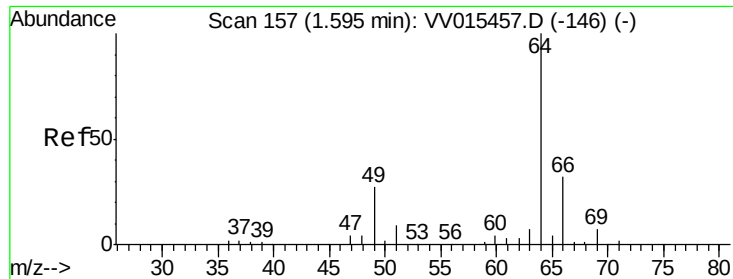
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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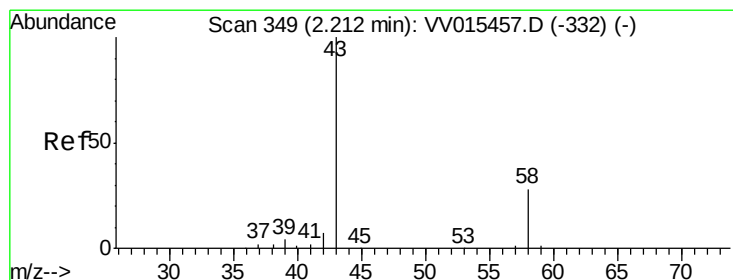
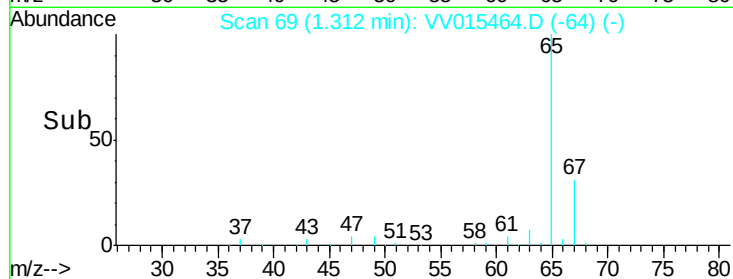
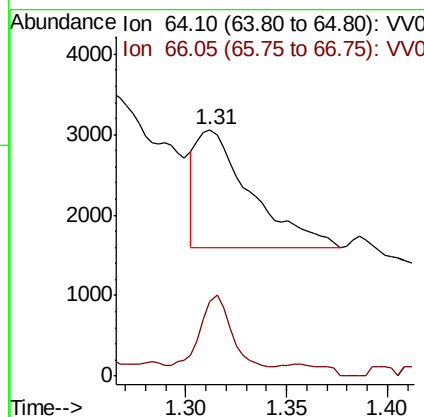
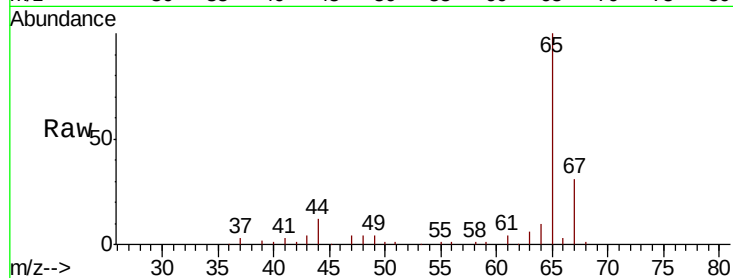




#8
 Chloroethane
 Concen: 0.446 ug/L
 RT: 1.31 min Scan# 69
 Delta R.T. -0.28 min
 Lab File: VV015464.D
 Acq: 14 Apr 2020 16:29

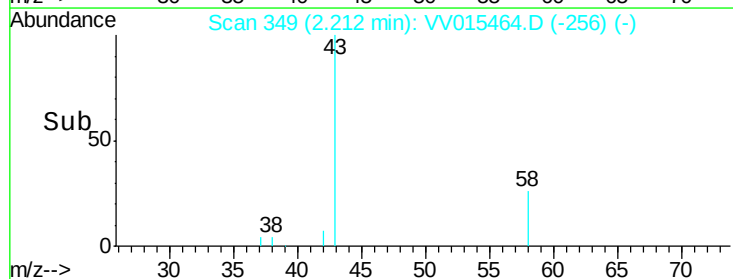
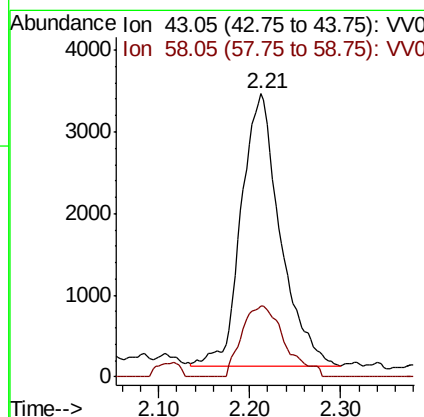
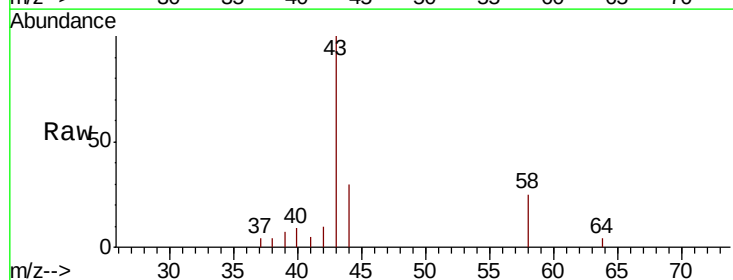
Instrument :
 MSVOA_V
 ClientSampleId :
 YAQ84

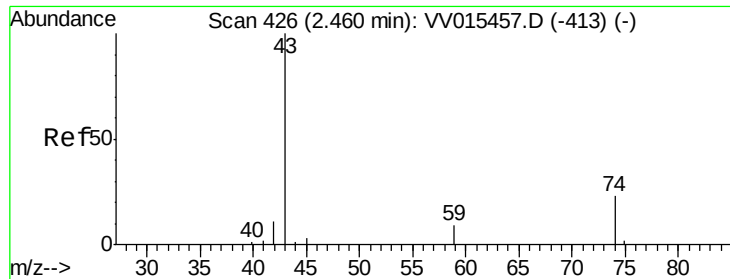
Tot Ion: 64 Resp: 2700
 Ion Ratio Lower Upper
 64 100
 66 30.4 22.3 41.5



#13
 Acetone
 Concen: 8.396 ug/L
 RT: 2.21 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VV015464.D
 Acq: 14 Apr 2020 16:29

Tgt Ion: 43 Resp: 9935
 Ion Ratio Lower Upper
 43 100
 58 28.8 0.0 22.2#

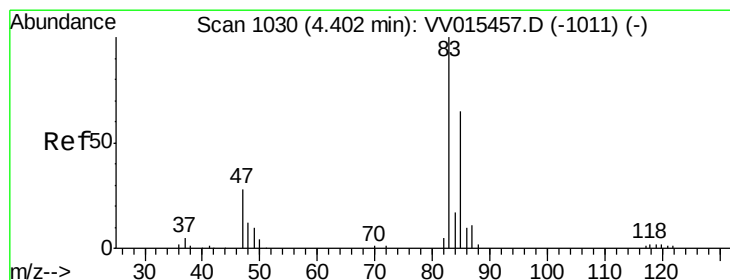
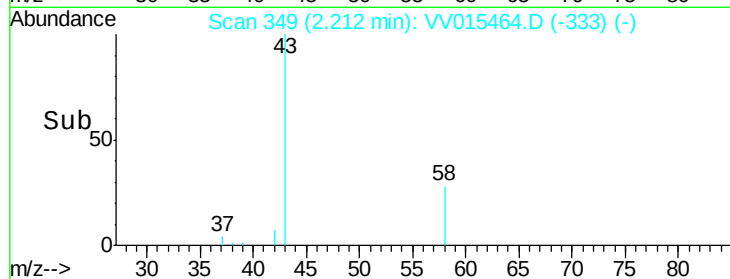
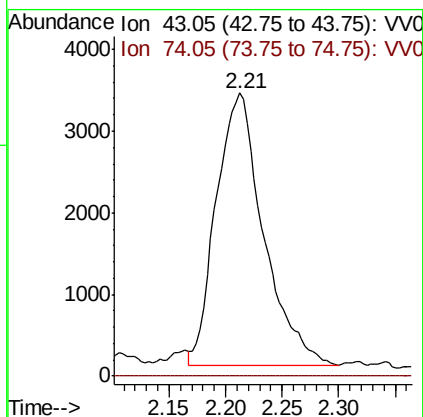
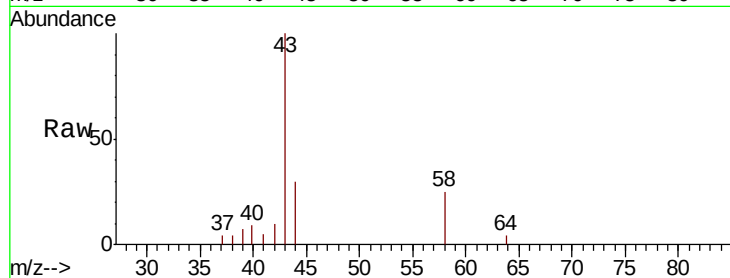




#15
Methvl Acetate
Concen: 2.772 ug/L
RT: 2.21 min Scan# 349
Delta R.T. -0.25 min
Lab File: VV015464.D
Acq: 14 Apr 2020 16:29

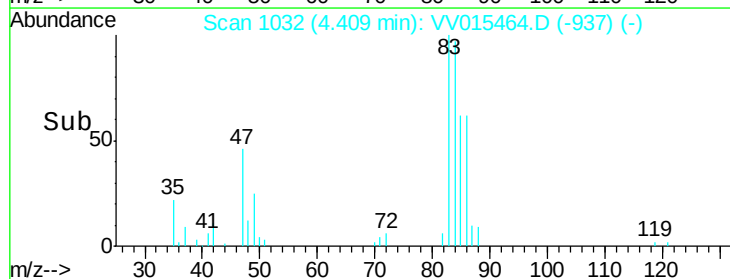
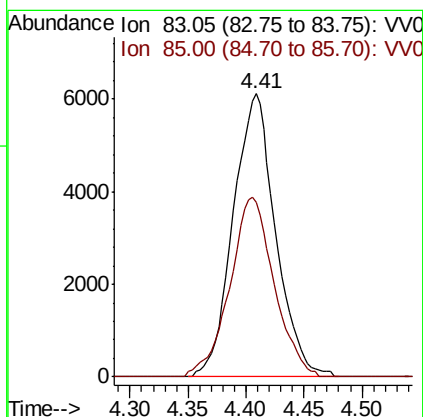
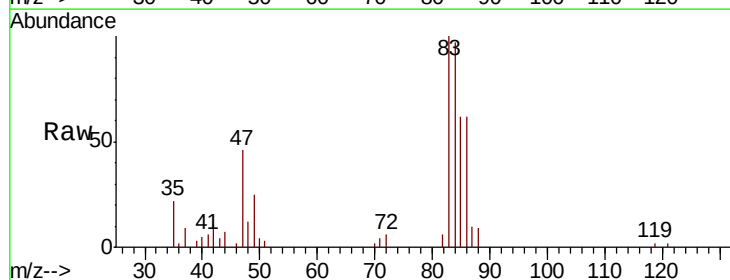
Instrument :
MSVOA_V
ClientSampleId :
YAQ84

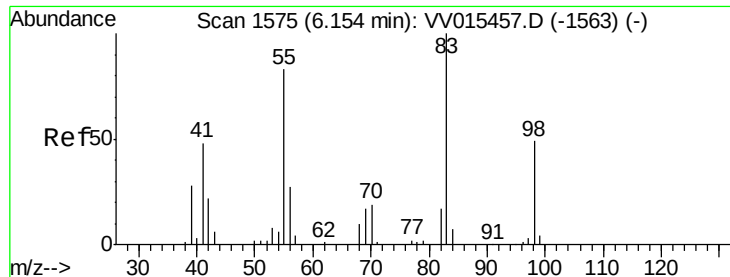
Tot Ion: 43 Resp: 9705
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#



#25
Chloroform
Concen: 0.989 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV015464.D
Acq: 14 Apr 2020 16:29

Tgt Ion: 83 Resp: 15509
Ion Ratio Lower Upper
83 100
85 61.8 45.9 85.3

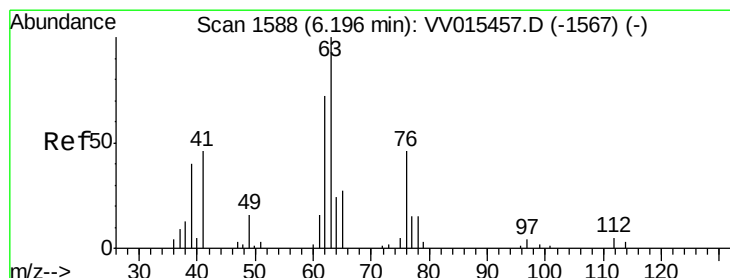
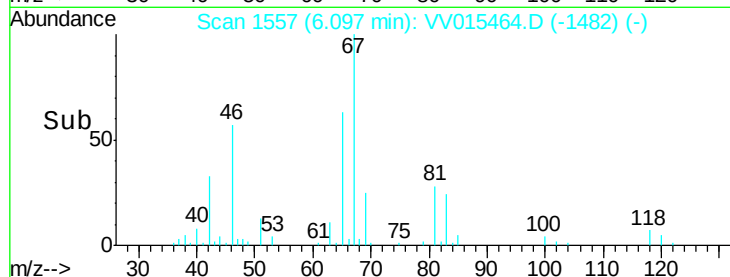
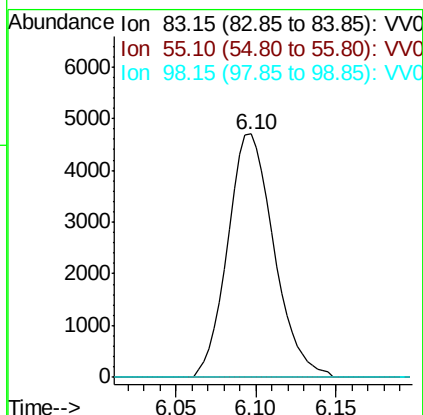
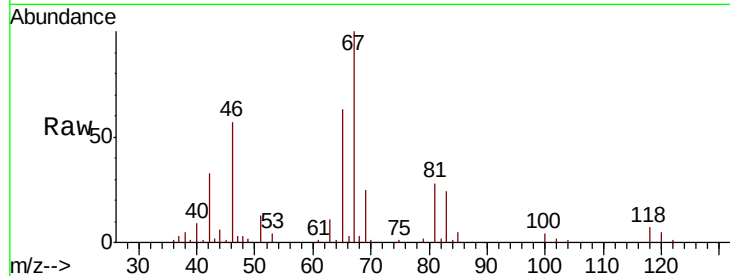




#35
Methylvlcyclohexane
Concen: 0.622 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV015464.D
Acq: 14 Apr 2020 16:29

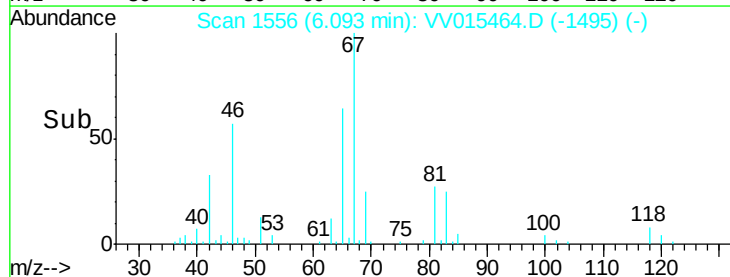
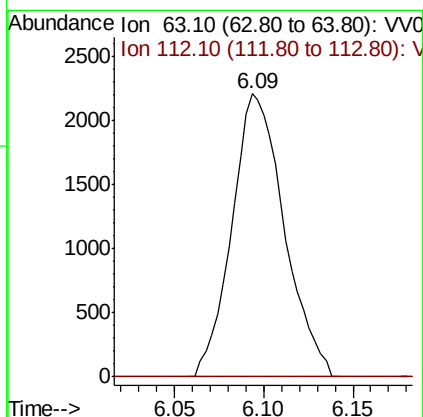
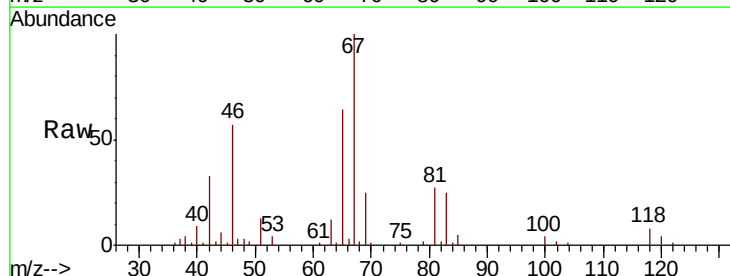
Instrument :
MSVOA_V
ClientSampleId :
YAQ84

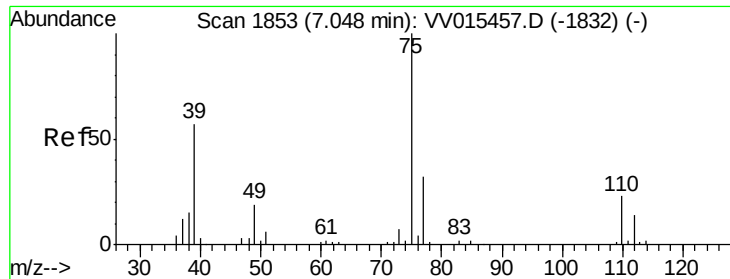
Tot Ion: 83 Resp: 9287
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.0 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.552 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015464.D
Acq: 14 Apr 2020 16:29

Tgt Ion: 63 Resp: 4506
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

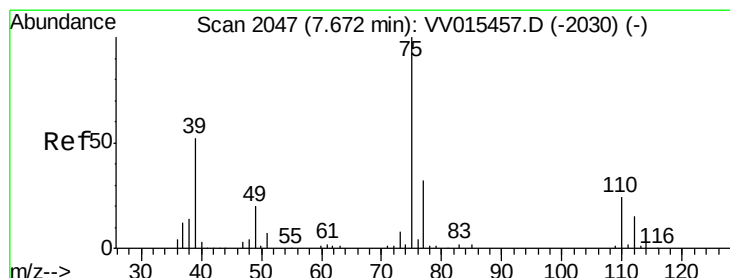
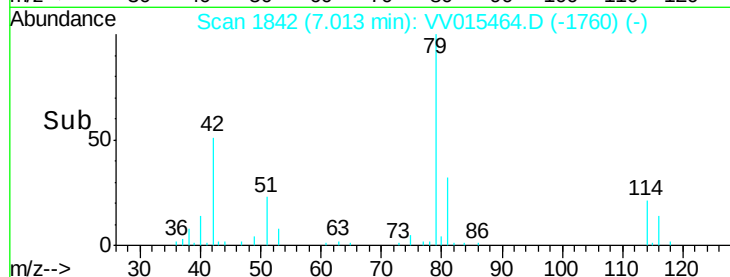
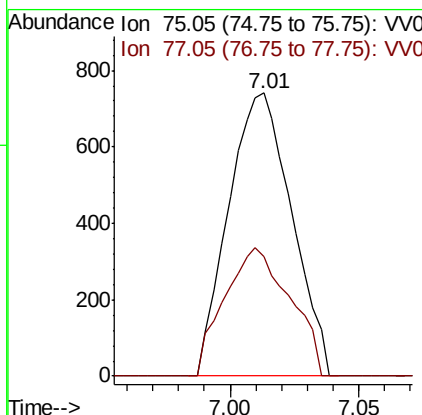
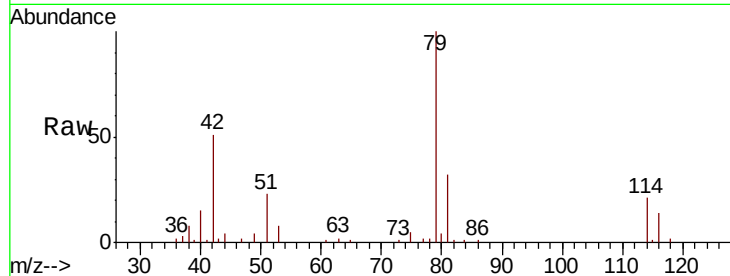




#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV015464.D
 Acq: 14 Apr 2020 16:29

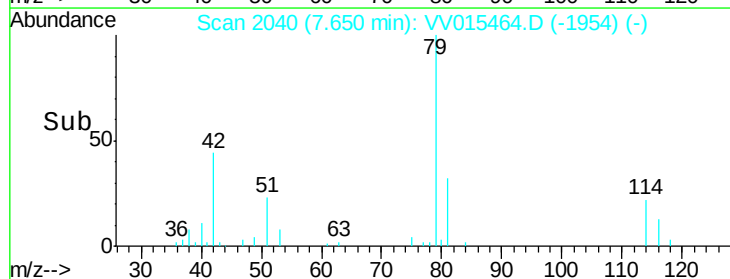
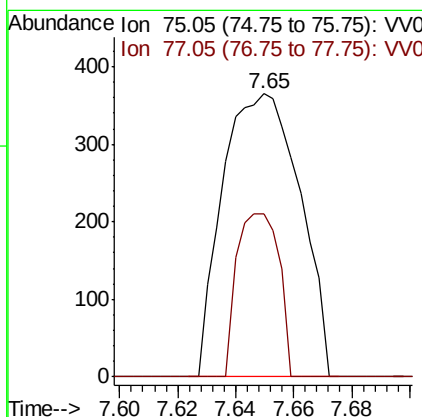
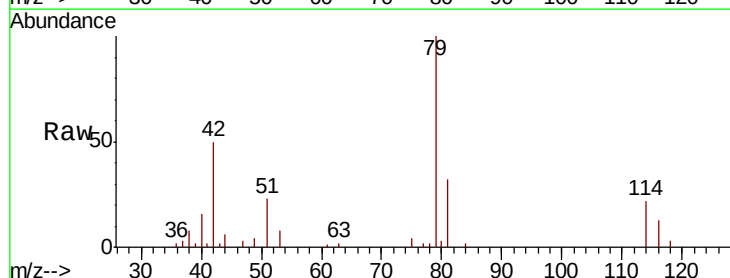
Instrument :
 MSVOA_V
 ClientSampleId :
 YAQ84

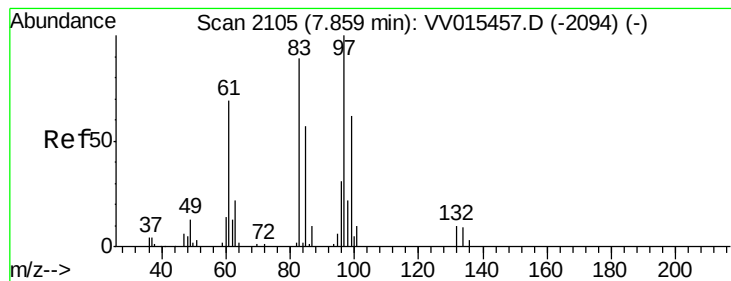
Tot Ion: 75 Resp: 1266
 Ion Ratio Lower Upper
 75 100
 77 42.2 23.0 42.6



#44
 trans-1,3-Dichloropropene
 Concen: 0.063 ug/L
 RT: 7.65 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: VV015464.D
 Acq: 14 Apr 2020 16:29

Tgt Ion: 75 Resp: 673
 Ion Ratio Lower Upper
 75 100
 77 57.5 21.0 39.0#





#45

1,1,2-Trichloroethane

Concen: 0.095 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.14 min

Lab File: VV015464.D

Acq: 14 Apr 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

YAQ84

Tot Ion: 97 Resp: 521

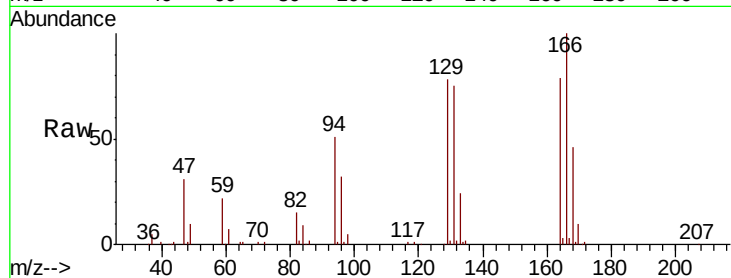
Ion Ratio Lower Upper

97 100

99 0.0 41.3 76.7#

83 209.6 60.5 112.3#

85 41.4 36.8 68.4



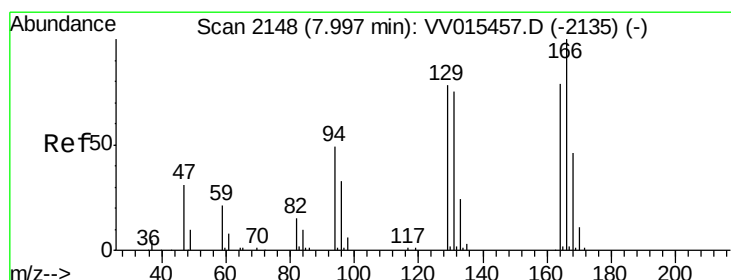
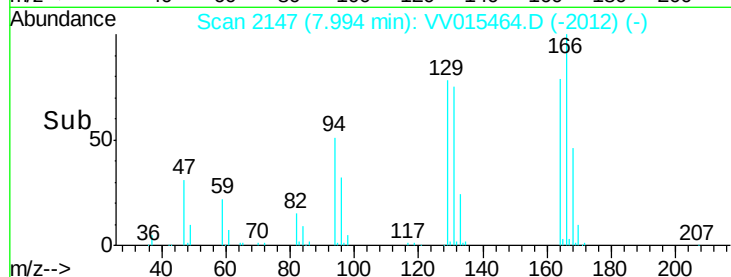
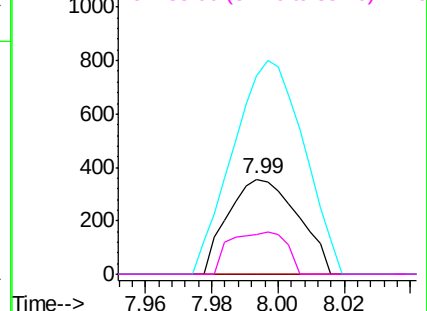
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 8.639 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015464.D

Acq: 14 Apr 2020 16:29

Tgt Ion: 164 Resp: 56753

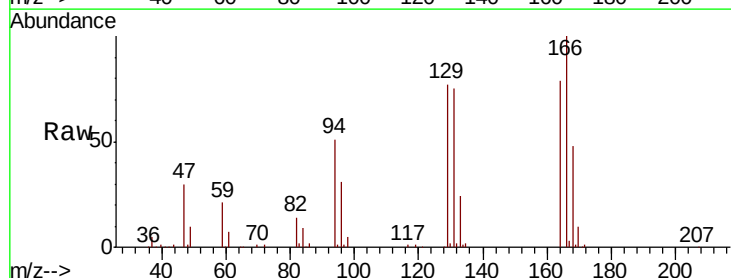
Ion Ratio Lower Upper

164 100

129 96.5 70.6 131.0

131 94.2 68.3 126.8

166 125.9 88.3 163.9



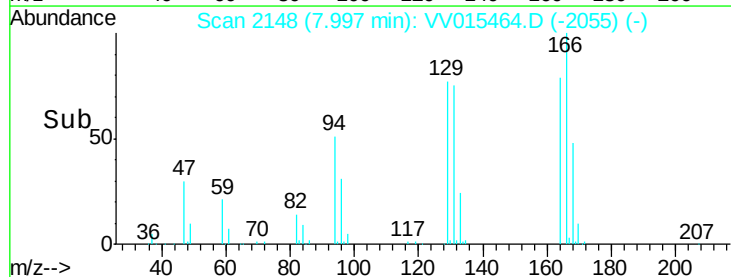
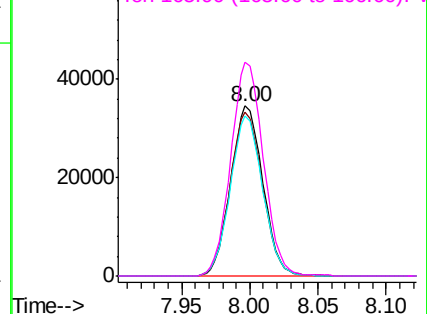
Abundance

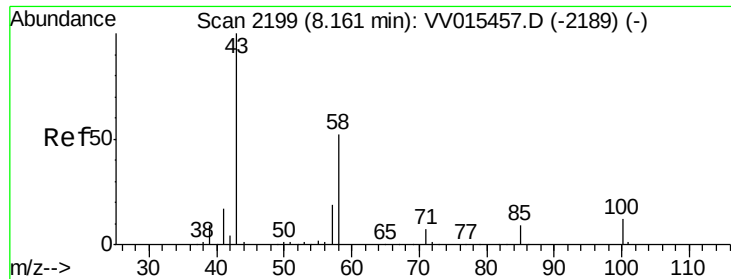
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

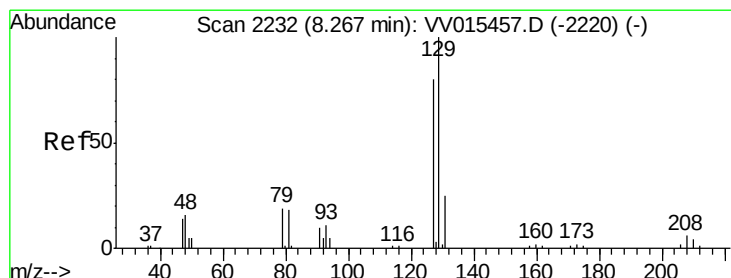
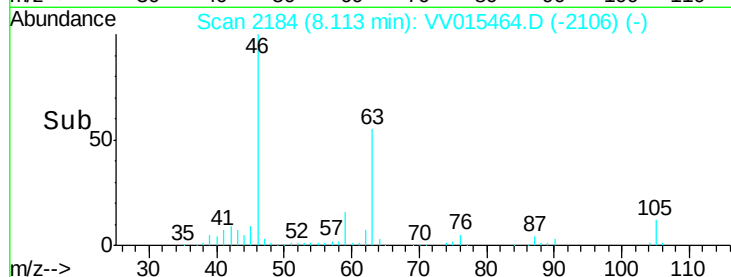
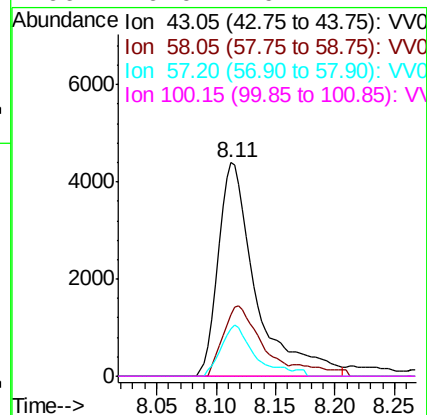
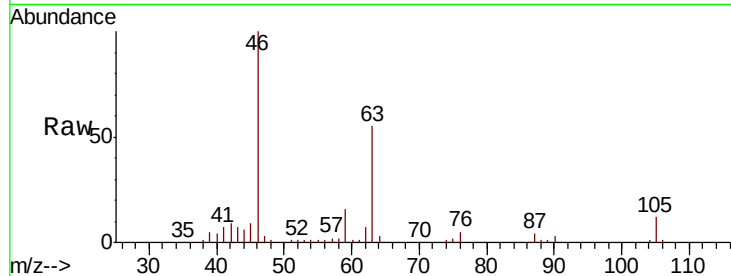




#48
2-Hexanone
Concen: 2.587 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV015464.D
Acq: 14 Apr 2020 16:29

Instrument :
MSVOA_V
ClientSampled :
YAQ84

Tot Ion: 43 Resp: 9696
Ion Ratio Lower Upper
43 100
58 31.8 41.4 62.0#
57 21.3 15.0 22.4
100 0.0 9.4 14.2#



#49
Dibromochloromethane
Concen: 8.223 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015464.D
Acq: 14 Apr 2020 16:29

Tgt Ion: 129 Resp: 54099
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

