

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041520\
 Data File : VV015507.D
 Acq On : 15 Apr 2020 14:25
 Operator : SY/MD
 Sample : L2273-03DL 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 16 00:44:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 00:42:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	112227	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	105593	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	51111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30258	5.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.80%
7) Chloroethane-d5	1.58	69	27319	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.12	63	43750	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	3.93	46	79208	48.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.88%
24) Chloroform-d	4.38	84	59416	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.06	65	33354	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.08	84	118633	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.10	67	36500	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.34	98	108091	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.65	79	14991	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.11	63	63911	41.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.52%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	25340	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	39587	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

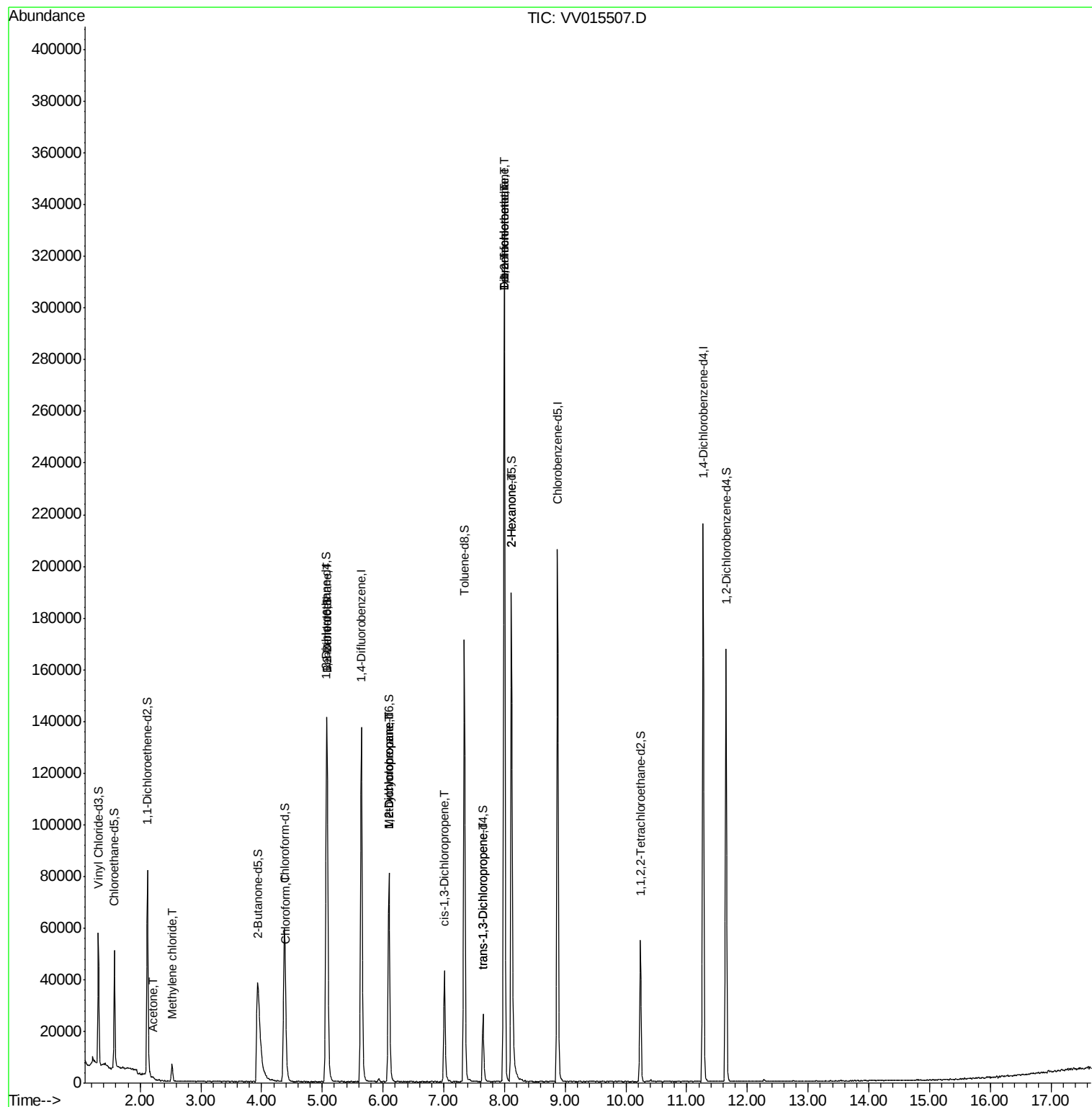
					Ovalue
13) Acetone	2.21	43	2249	1.947 ug/L	86
16) Methylene chloride	2.52	84	2662	0.323 ug/L	97
25) Chloroform	4.41	83	4371	0.285 ug/L	100
27) 1,2-Dichloroethane	5.08	62	722	0.073 ug/L #	77
35) Methylcyclohexane	6.10	83	9214	0.643 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4562	0.582 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1135	0.094 ug/L	89
44) trans-1,3-Dichloropropene	7.65	75	620	0.061 ug/L #	69
45) 1,1,2-Trichloroethane	7.99	97	706	0.134 ug/L #	1
47) Tetrachloroethene	8.00	164	70572	11.198 ug/L	99
48) 2-Hexanone	8.11	43	10143	2.820 ug/L #	77
49) Dibromochloromethane	8.00	129	67974	10.770 ug/L #	10

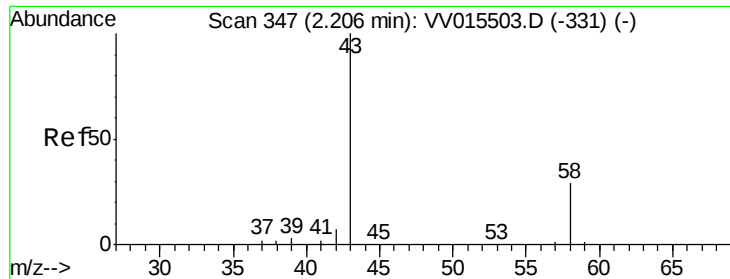
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.947 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV015507.D

Acq: 15 Apr 2020 14:25

Instrument :

MSVOA_V

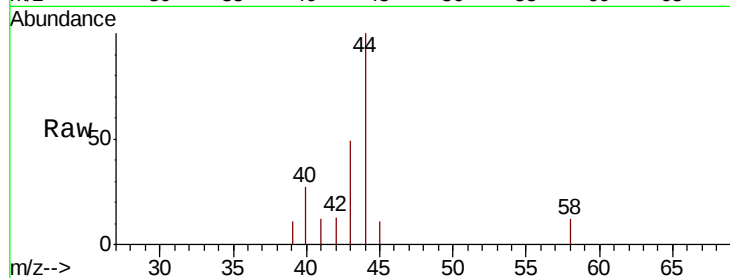
ClientSampled :

Tot Ion: 43 Resp: 2249

Ion Ratio Lower Upper

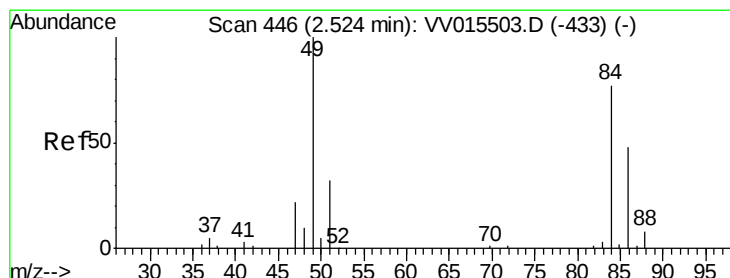
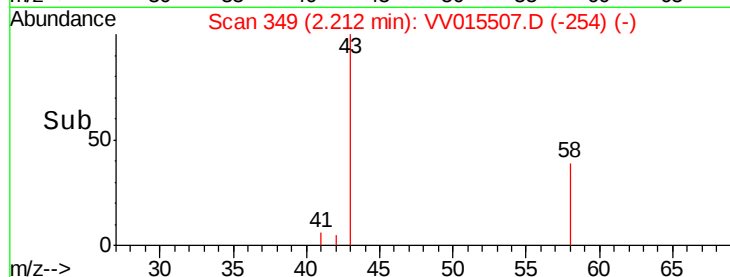
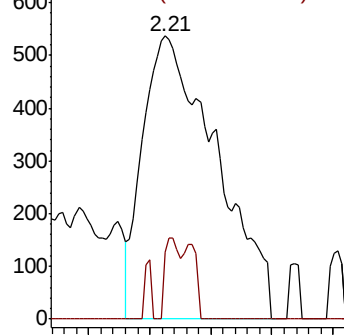
43 100

58 5.8 0.0 22.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#16

Methylene chloride

Concen: 0.323 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV015507.D

Acq: 15 Apr 2020 14:25

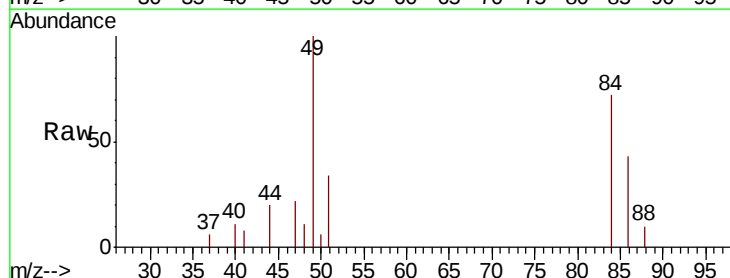
Tgt Ion: 84 Resp: 2662

Ion Ratio Lower Upper

84 100

86 59.1 45.1 83.7

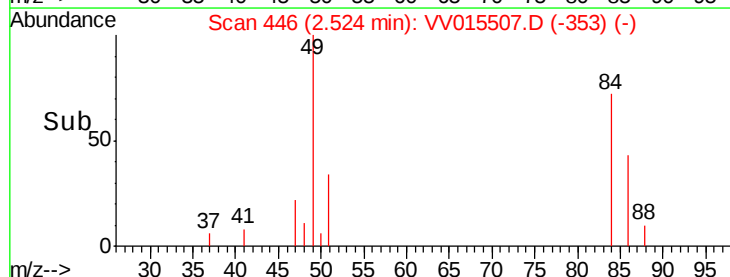
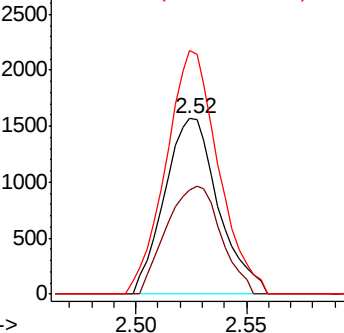
49 138.8 97.9 181.7

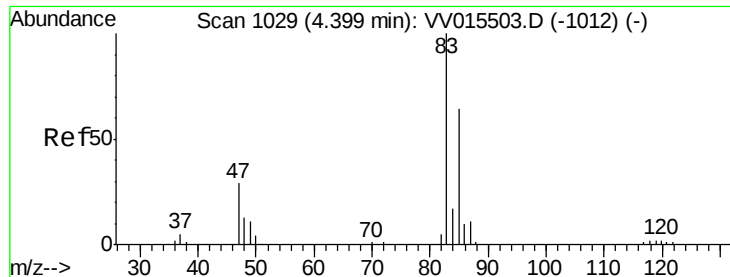


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

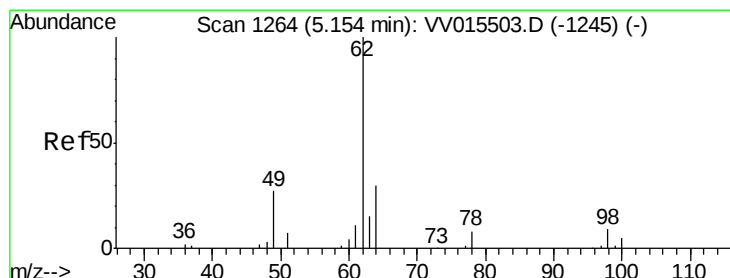
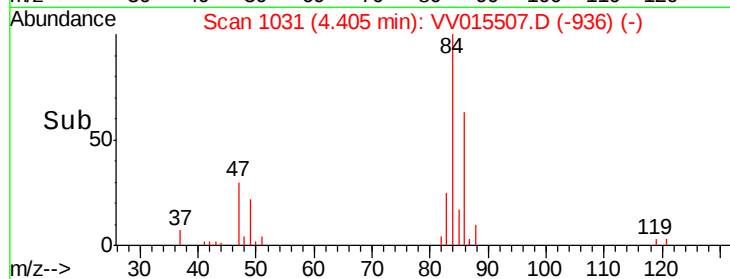
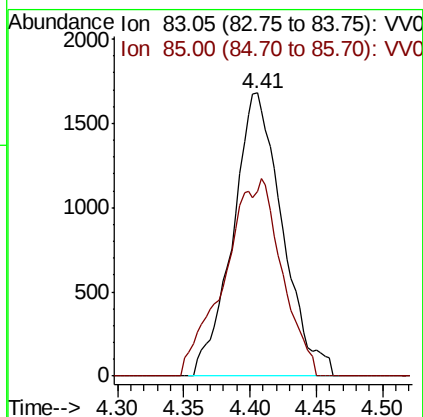
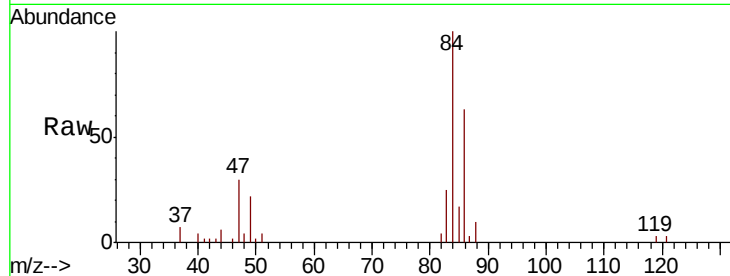




#25
Chloroform
Concen: 0.285 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015507.D
Acq: 15 Apr 2020 14:25

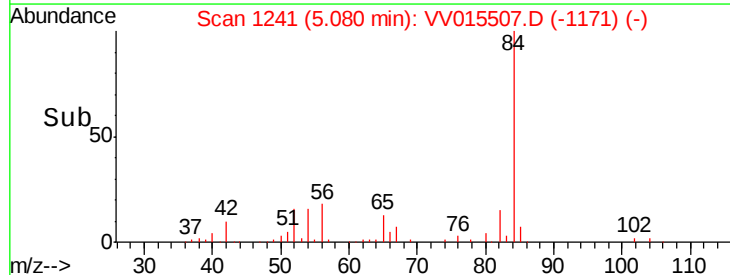
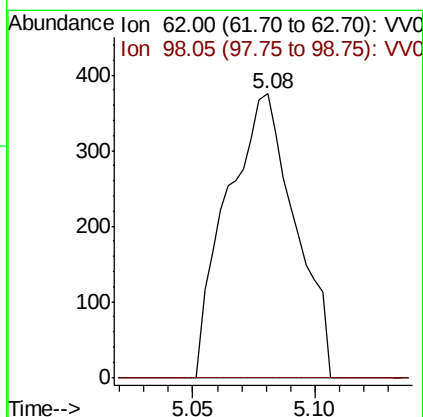
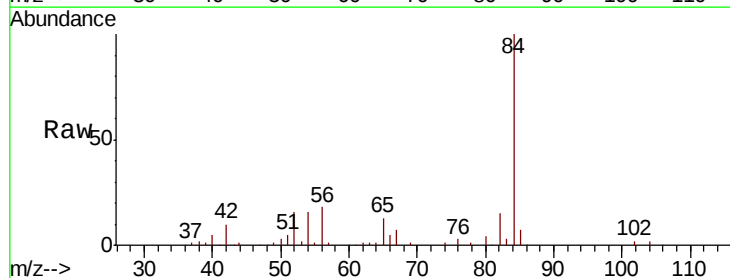
Instrument :
MSVOA_V
ClientSampleId :

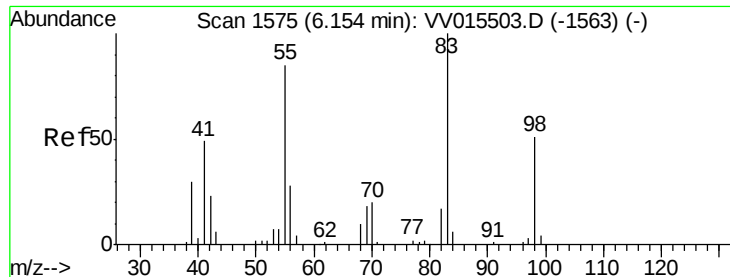
Tot Ion: 83 Resp: 4371
Ion Ratio Lower Upper
83 100
85 65.3 45.9 85.3



#27
1,2-Dichloroethane
Concen: 0.073 ug/L
RT: 5.08 min Scan# 1241
Delta R.T. -0.07 min
Lab File: VV015507.D
Acq: 15 Apr 2020 14:25

Tgt Ion: 62 Resp: 722
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

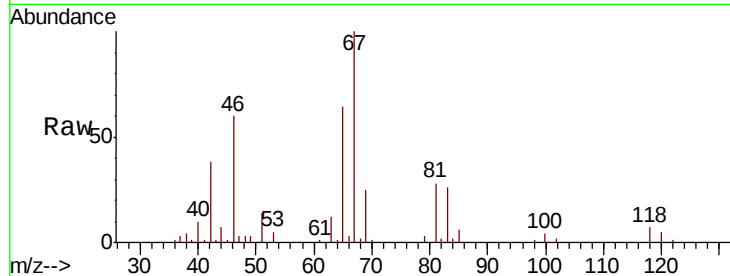




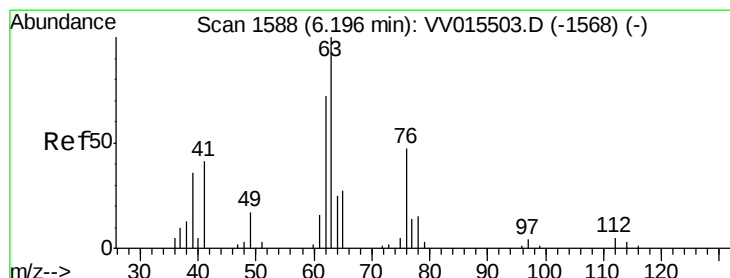
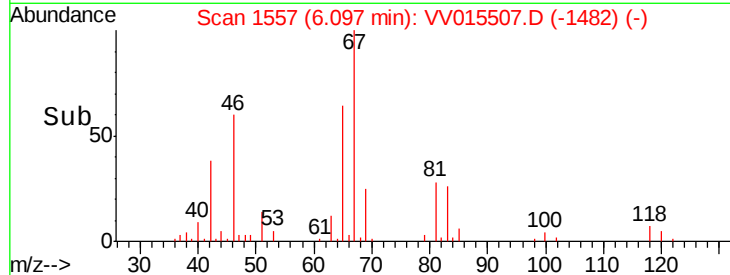
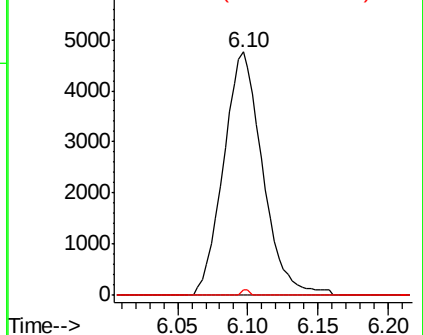
#35
Methvlcvclohexane
Concen: 0.643 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV015507.D
Acq: 15 Apr 2020 14:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 9214
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.4 38.7 58.1#

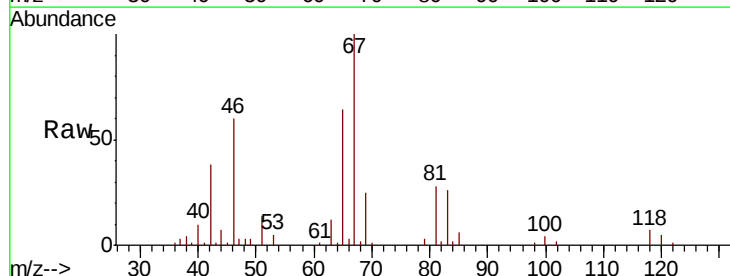


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

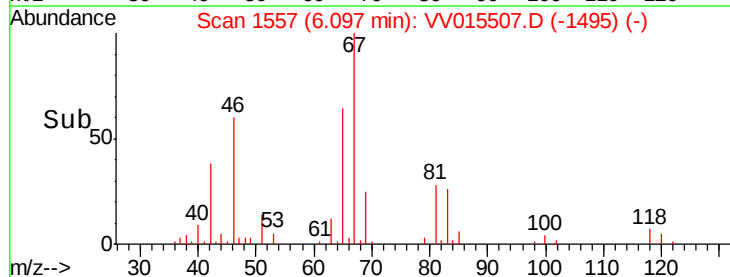
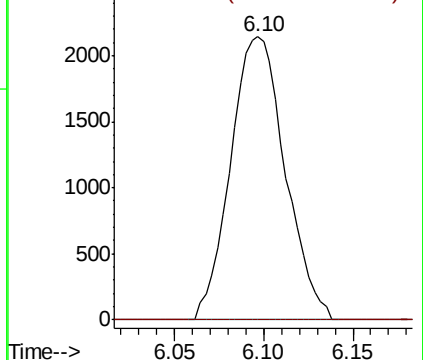


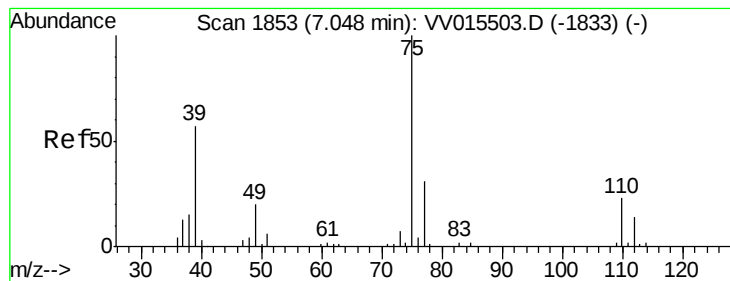
#37
1,2-Dichloropropane
Concen: 0.582 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015507.D
Acq: 15 Apr 2020 14:25

Tgt Ion: 63 Resp: 4562
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



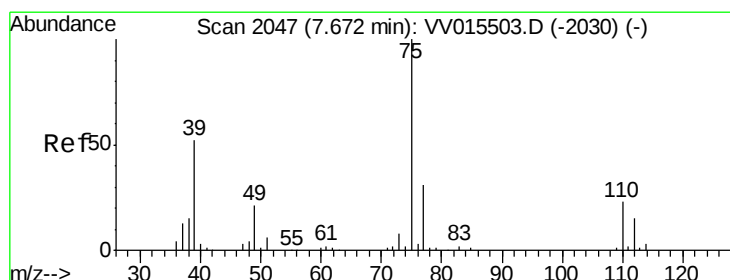
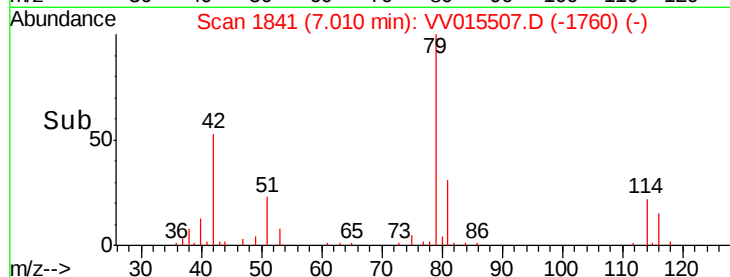
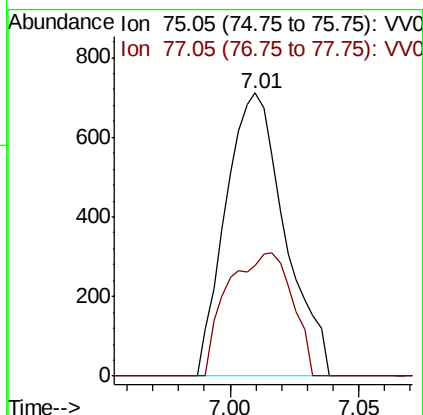
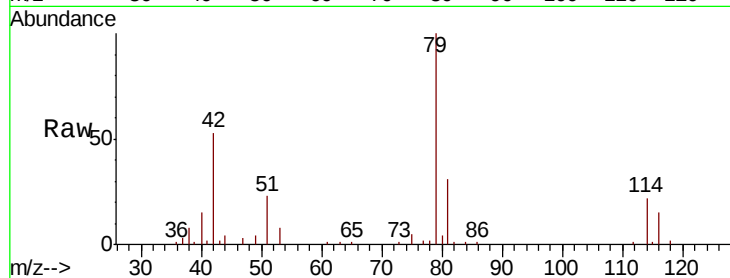


#39

cis-1,3-Dichloropropene
Concen: 0.094 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV015507.D
Acq: 15 Apr 2020 14:25

Instrument :
MSVOA_V
ClientSampleId :

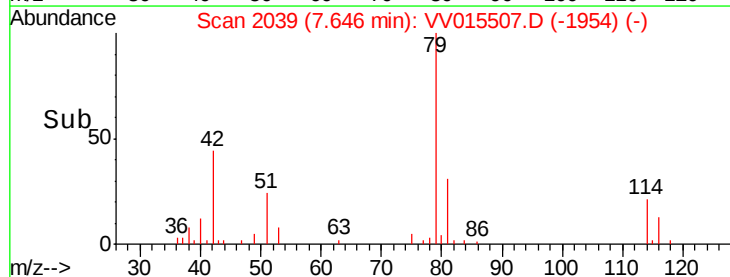
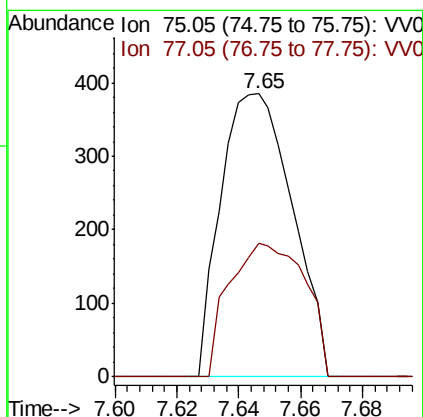
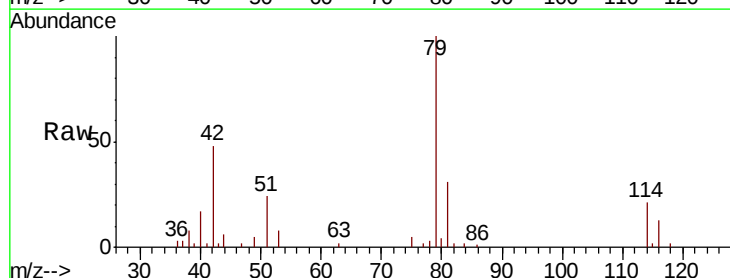
Tot Ion: 75 Resp: 1135
Ion Ratio Lower Upper
75 100
77 39.2 23.0 42.6

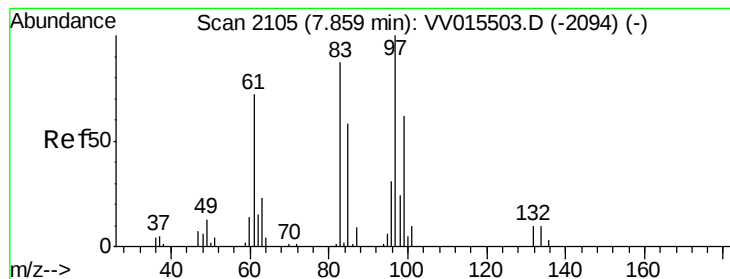


#44

trans-1,3-Dichloropropene
Concen: 0.061 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV015507.D
Acq: 15 Apr 2020 14:25

Tgt Ion: 75 Resp: 620
Ion Ratio Lower Upper
75 100
77 47.0 21.0 39.0#





#45

1,1,2-Trichloroethane

Concen: 0.134 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.14 min

Lab File: VV015507.D

Acq: 15 Apr 2020 14:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 706

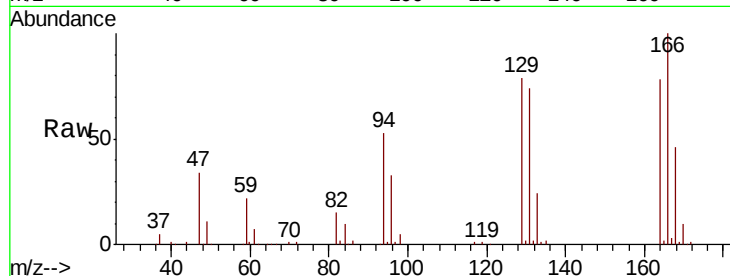
Ion Ratio Lower Upper

97 100

99 0.0 41.3 76.7#

83 265.3 60.5 112.3#

85 31.8 36.8 68.4#

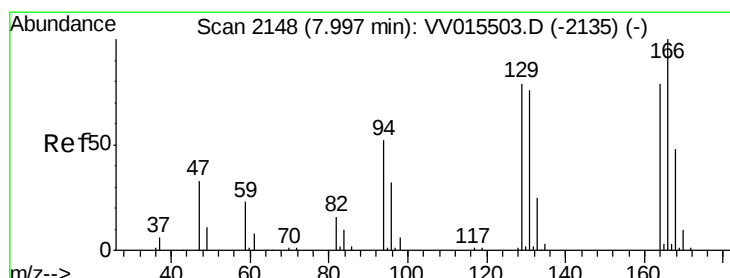
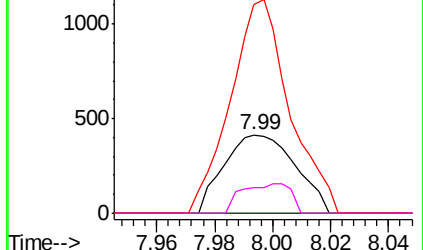
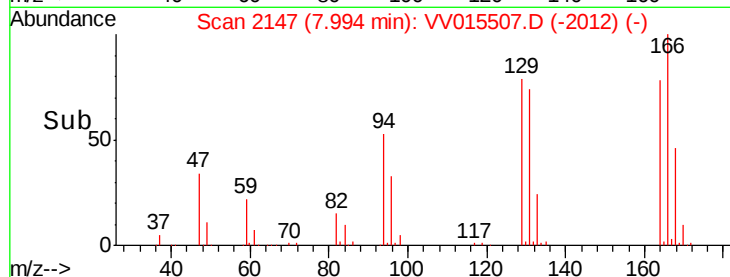


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 11.198 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015507.D

Acq: 15 Apr 2020 14:25

Tgt Ion: 164 Resp: 70572

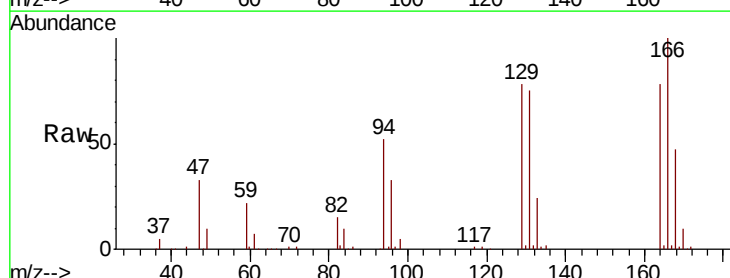
Ion Ratio Lower Upper

164 100

129 100.1 70.6 131.0

131 95.9 68.3 126.8

166 128.1 88.3 163.9

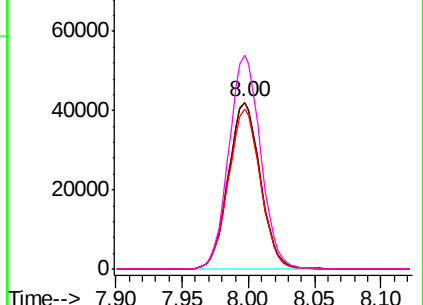
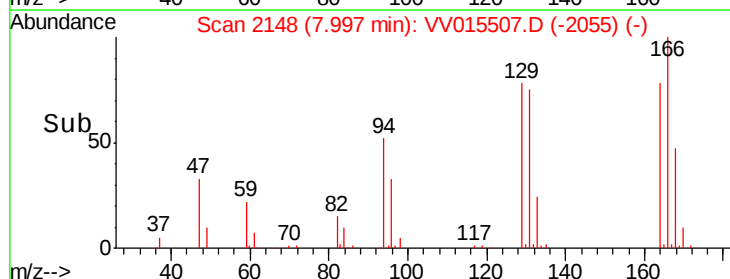


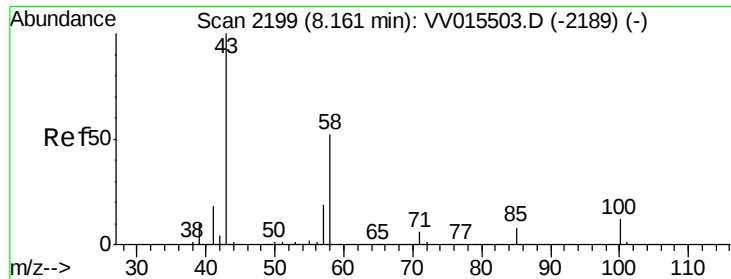
Abundance Ion 163.90 (163.60 to 164.60): V

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

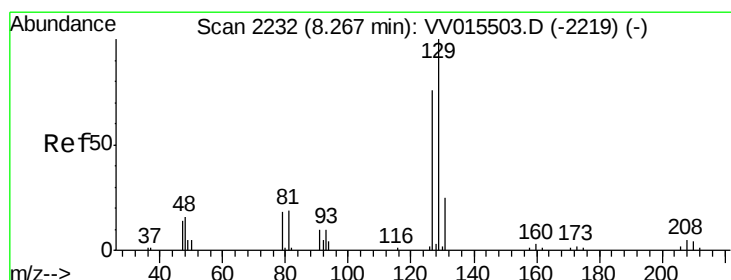
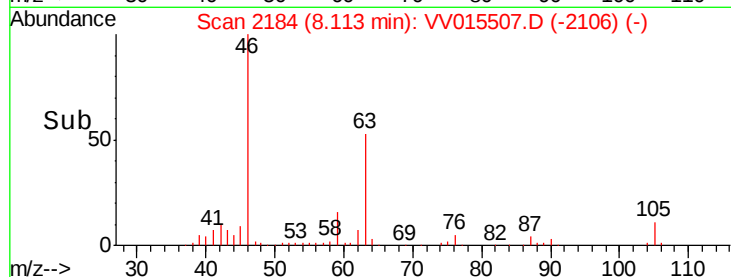
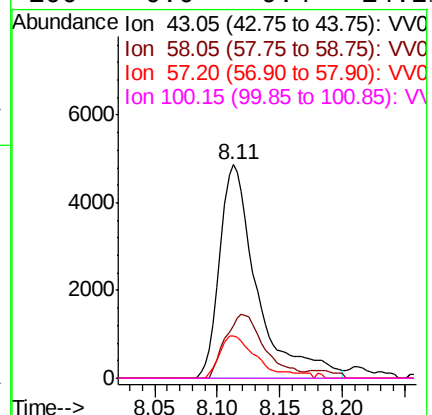
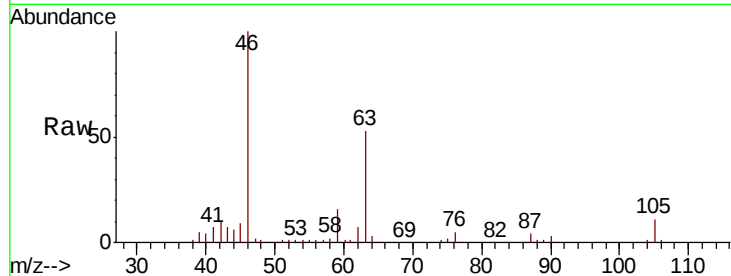




#48
2-Hexanone
Concen: 2.820 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV015507.D
Acq: 15 Apr 2020 14:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 10143
Ion Ratio Lower Upper
43 100
58 31.7 41.4 62.0#
57 19.3 15.0 22.4
100 0.0 9.4 14.2#



#49
Dibromochloromethane
Concen: 10.770 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015507.D
Acq: 15 Apr 2020 14:25

Tgt Ion: 129 Resp: 67974
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

