

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041520\
 Data File : VV015522.D
 Acq On : 15 Apr 2020 20:38
 Operator : SY/MD
 Sample : L2274-23MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 16 00:46:28 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	108003	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	101048	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	50424	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28952	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.58	69	26322	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	60428	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.40%
20) 2-Butanone-d5	3.92	46	76460	48.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.18%
24) Chloroform-d	4.38	84	57530	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.06	65	32408	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.08	84	115459	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.10	67	36341	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	106879	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.64	79	13727	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.11	63	59737	40.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.58%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	23129	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	38956	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	33445	4.933	ug/L	94
13) Acetone	2.20	43	7929	7.133	ug/L #	65
15) Methyl Acetate	2.20	43	7747	2.355	ug/L #	57
25) Chloroform	4.41	83	2138	0.145	ug/L	93
27) 1,2-Dichloroethane	5.13	62	1572	0.165	ug/L #	77
33) Benzene	5.13	78	157612	5.211	ug/L	100
34) Trichloroethene	5.94	95	41926	5.150	ug/L	99
35) Methylcyclohexane	6.09	83	8903	0.649	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4372	0.583	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1116	0.097	ug/L	94
42) Toluene	7.41	91	167319	5.096	ug/L	99
44) trans-1,3-Dichloropropene	7.64	75	657	0.067	ug/L	84
47) Tetrachloroethene	8.00	164	10185	1.689	ug/L	98
48) 2-Hexanone	8.11	43	8682	2.523	ug/L #	78
49) Dibromochloromethane	8.00	129	10142	1.679	ug/L #	10
51) Chlorobenzene	8.90	112	107407	5.132	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 16 00:42:12 2020
Response via : Initial Calibration

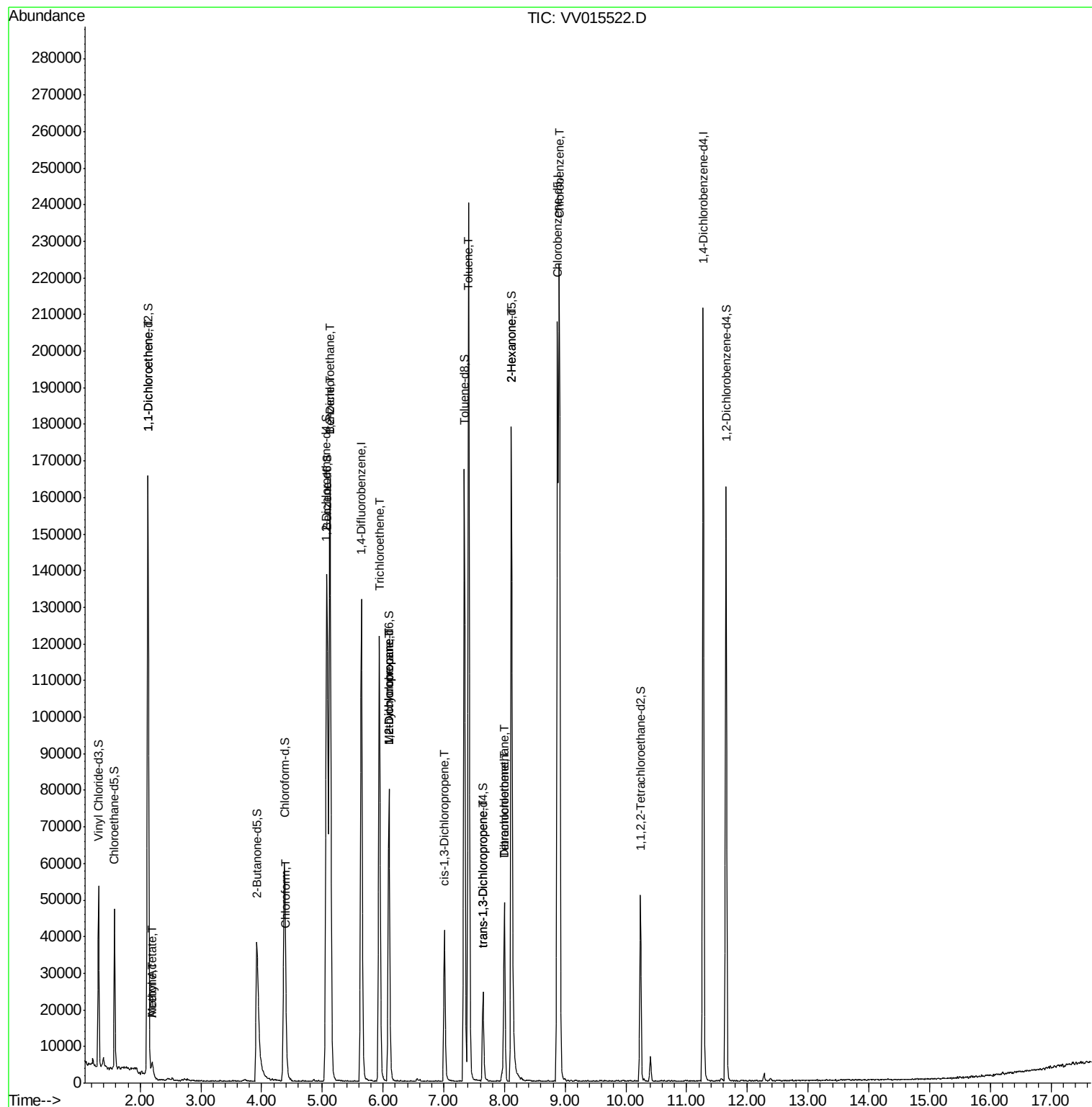
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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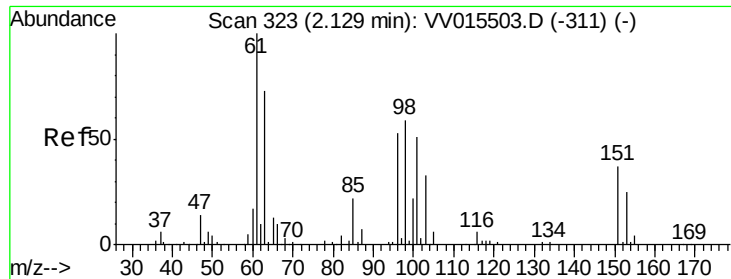
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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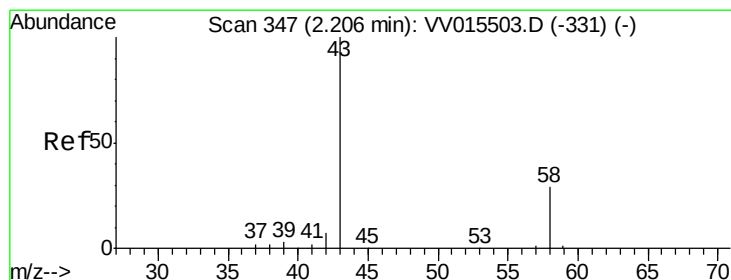
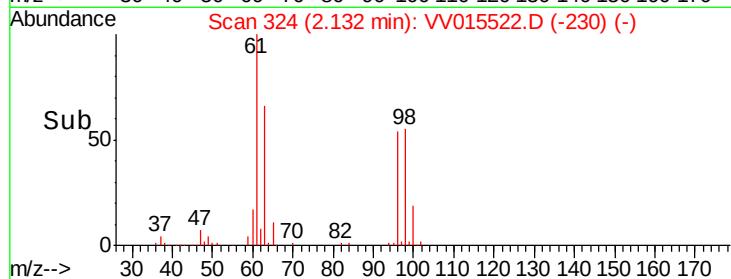
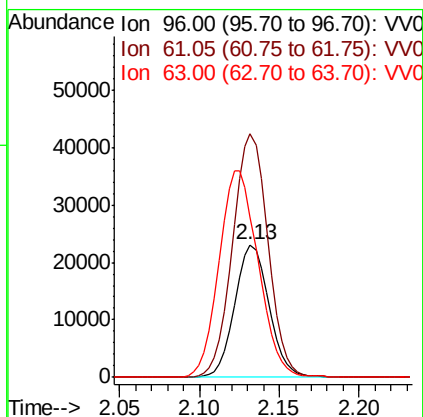
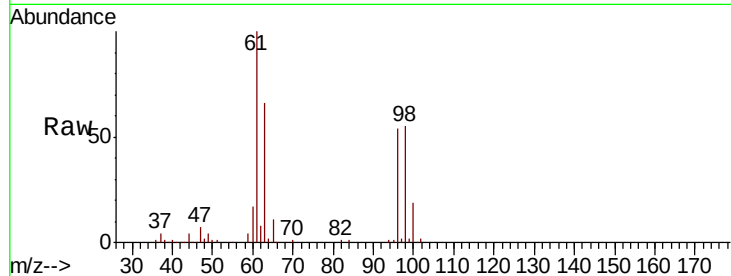




#12
 1,1-Dichloroethene
 Concen: 4.933 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV015522.D
 Acq: 15 Apr 2020 20:38

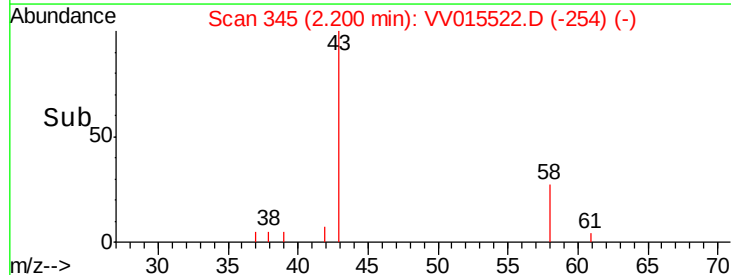
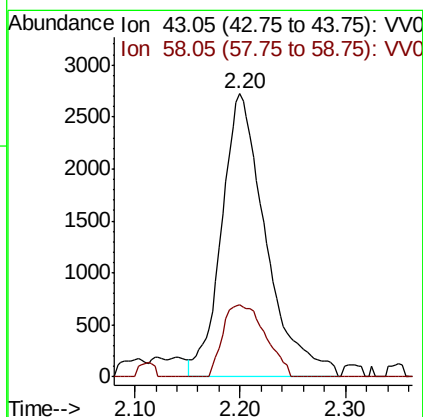
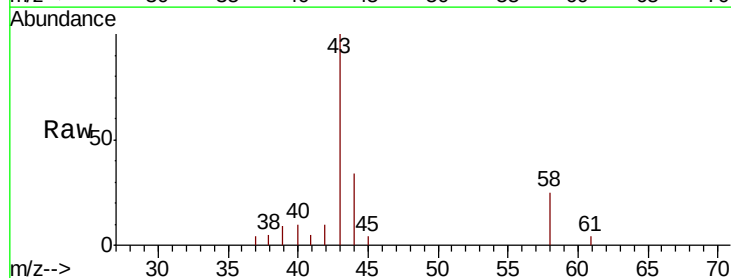
Instrument :
 MSVOA_V
 ClientSampleId :

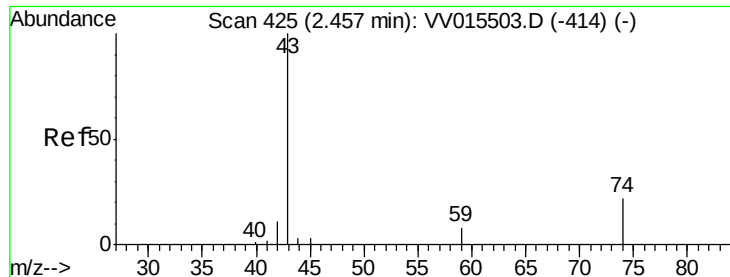
Tot Ion: 96 Resp: 33445
 Ion Ratio Lower Upper
 96 100
 61 184.0 127.7 237.1
 63 121.2 75.1 139.5



#13
 Acetone
 Concen: 7.133 ug/L
 RT: 2.20 min Scan# 345
 Delta R.T. -0.01 min
 Lab File: VV015522.D
 Acq: 15 Apr 2020 20:38

Tgt Ion: 43 Resp: 7929
 Ion Ratio Lower Upper
 43 100
 58 24.3 0.0 22.2#

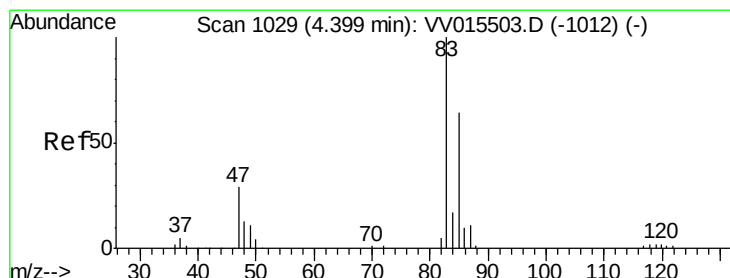
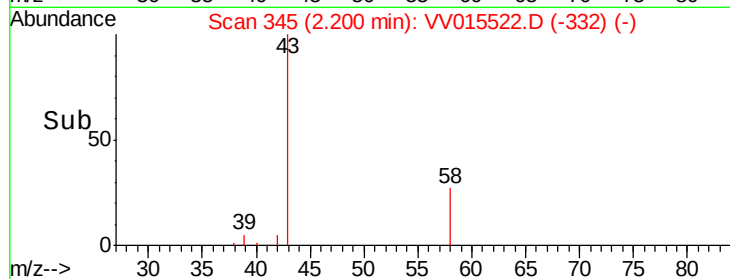
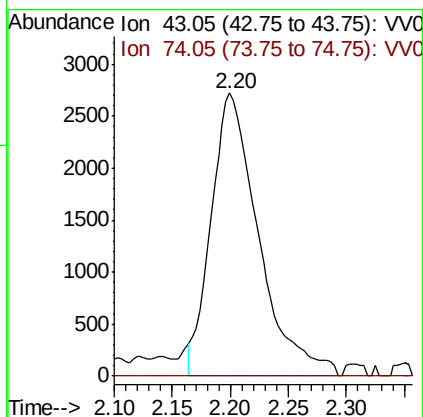
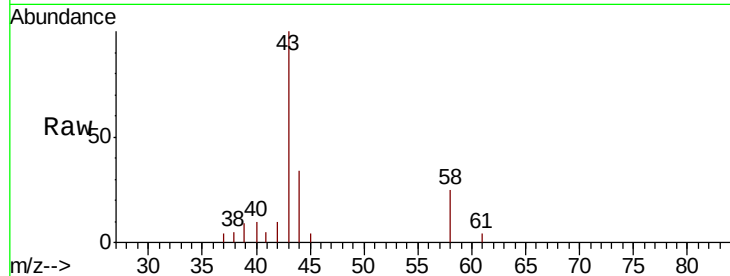




#15
Methvl Acetate
Concen: 2.355 ug/L
RT: 2.20 min Scan# 345
Delta R.T. -0.26 min
Lab File: VV015522.D
Acq: 15 Apr 2020 20:38

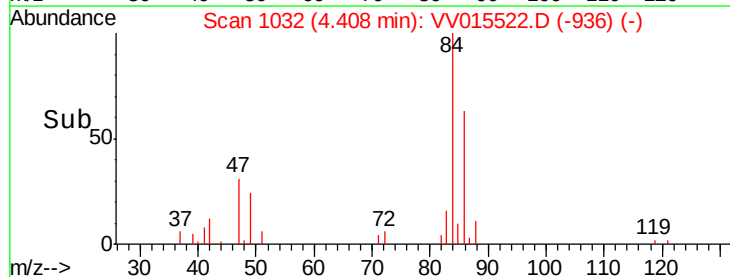
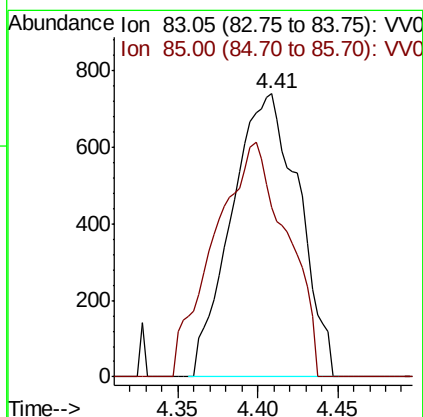
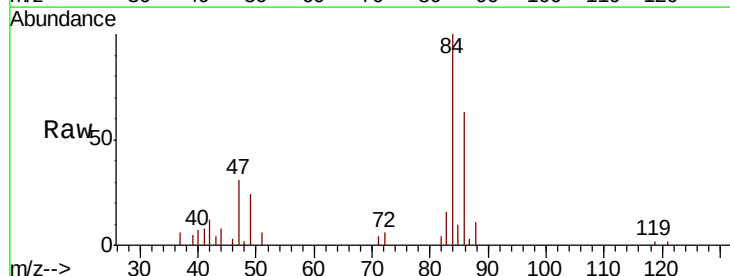
Instrument :
MSVOA_V
ClientSampled :

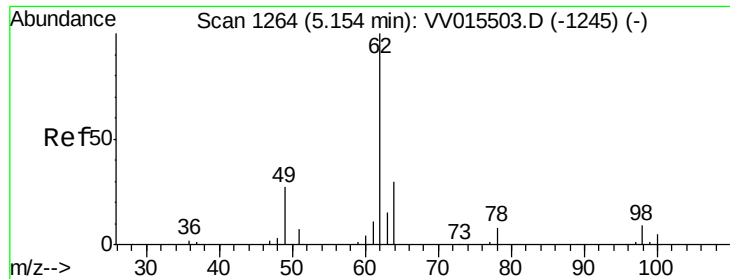
Tot Ion: 43 Resp: 7747
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#



#25
Chloroform
Concen: 0.145 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV015522.D
Acq: 15 Apr 2020 20:38

Tgt Ion: 83 Resp: 2138
Ion Ratio Lower Upper
83 100
85 59.8 45.9 85.3

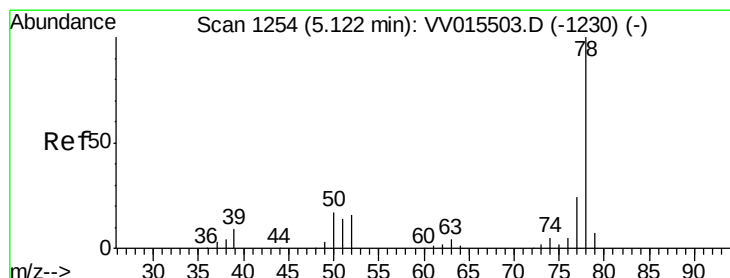
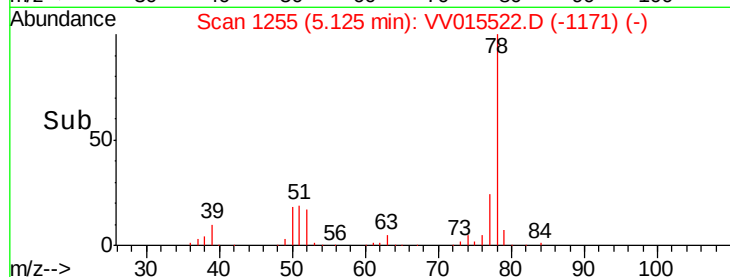
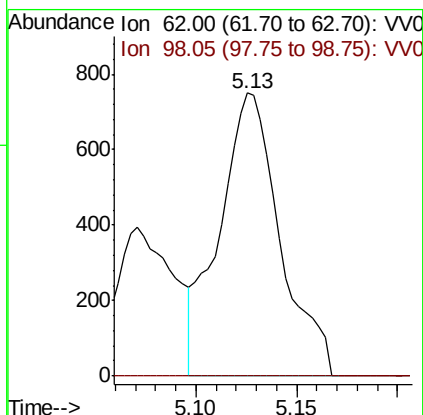
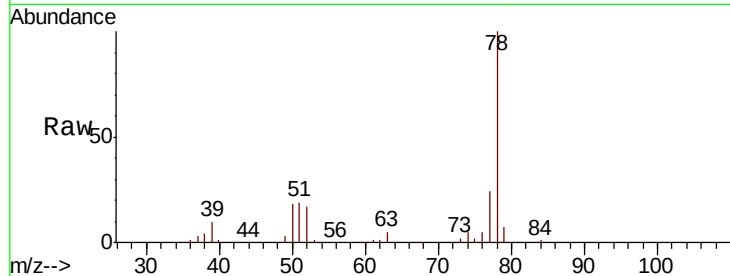




#27
 1,2-Dichloroethane
 Concen: 0.165 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.03 min
 Lab File: VV015522.D
 Acq: 15 Apr 2020 20:38

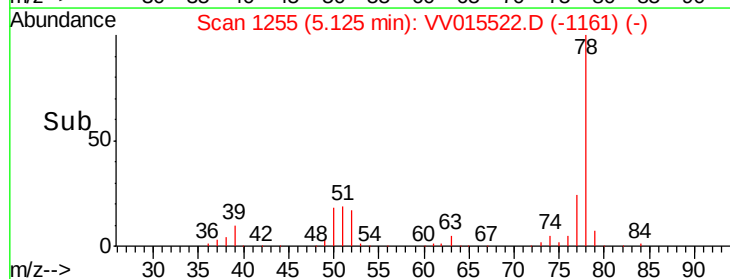
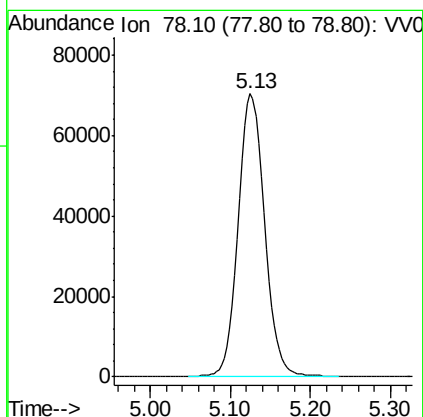
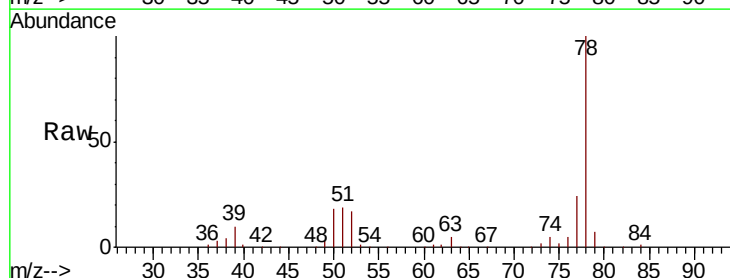
Instrument :
 MSVOA_V
 ClientSampleId :

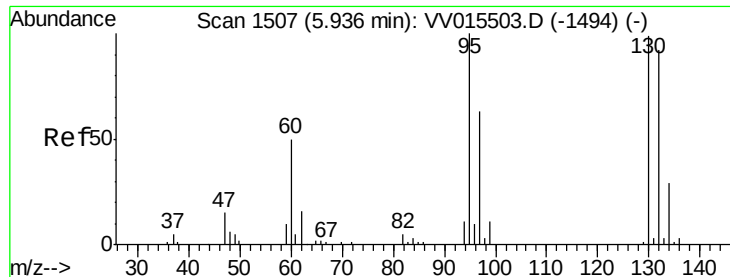
Tot Ion: 62 Resp: 1572
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 5.211 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV015522.D
 Acq: 15 Apr 2020 20:38

Tgt Ion: 78 Resp: 157612





#34

Trichloroethene

Concen: 5.150 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015522.D

Acq: 15 Apr 2020 20:38

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 41926

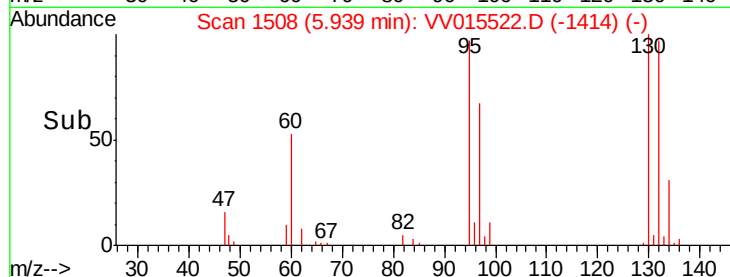
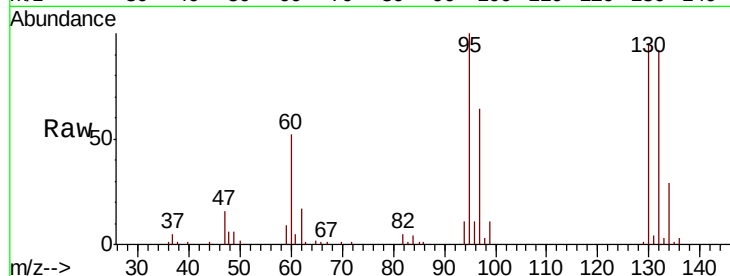
Ion Ratio Lower Upper

95 100

97 63.5 45.4 84.4

132 92.4 64.8 120.4

130 95.4 67.4 125.2

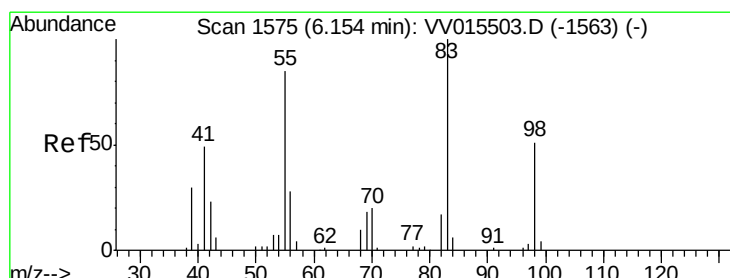
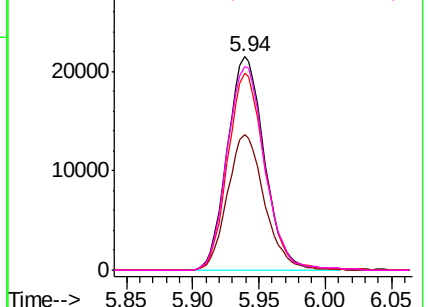


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.649 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015522.D

Acq: 15 Apr 2020 20:38

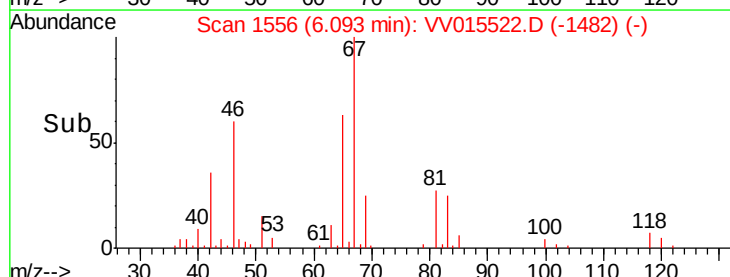
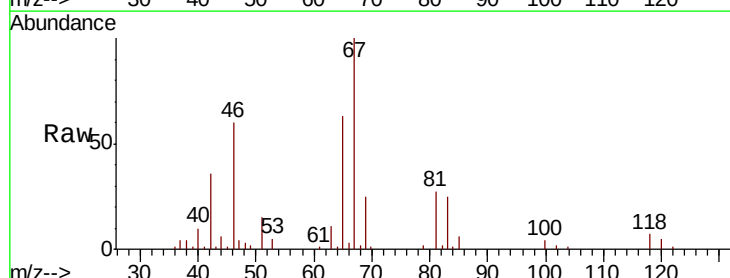
Tgt Ion: 83 Resp: 8903

Ion Ratio Lower Upper

83 100

55 0.0 66.6 99.8#

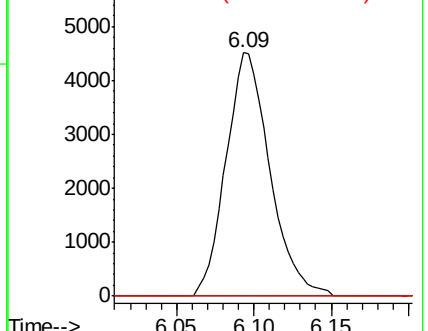
98 1.1 38.7 58.1#

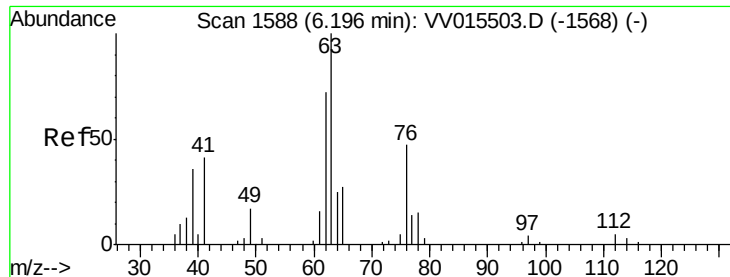


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

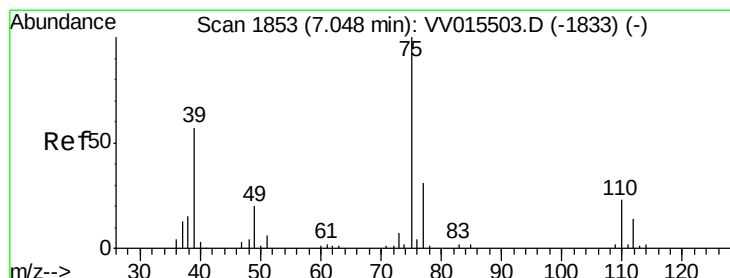
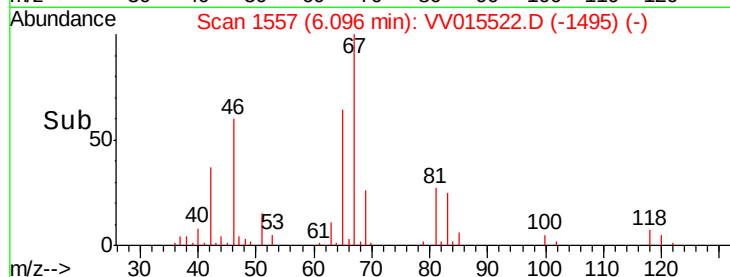
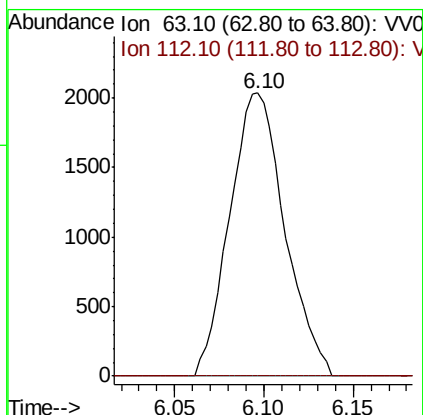
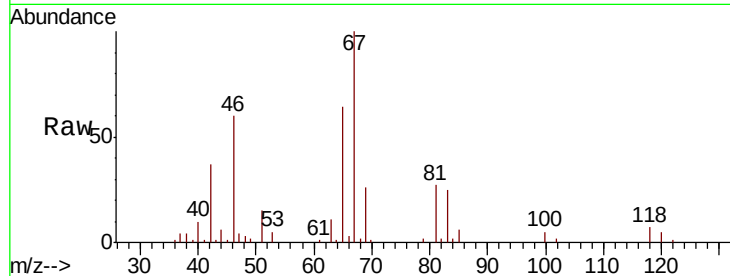




#37
 1,2-Dichloropropane
 Concen: 0.583 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015522.D
 Acq: 15 Apr 2020 20:38

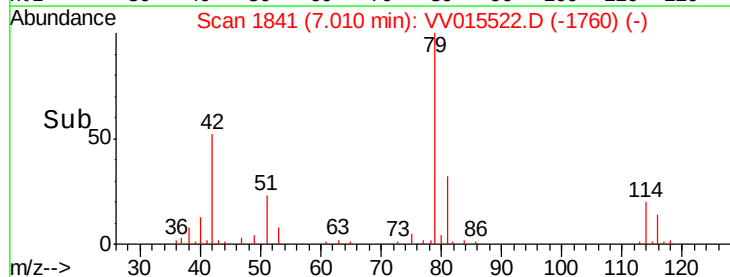
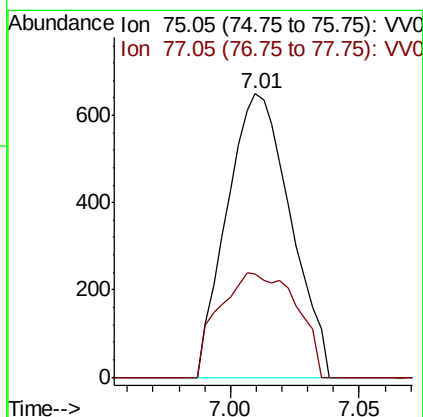
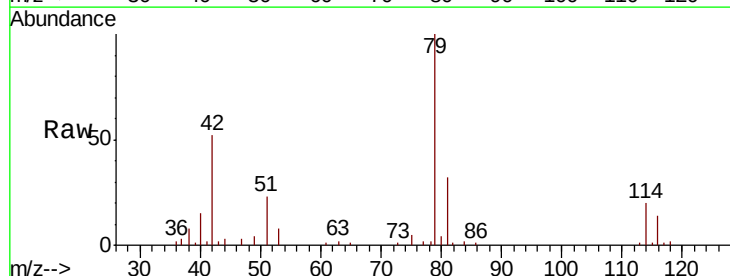
Instrument :
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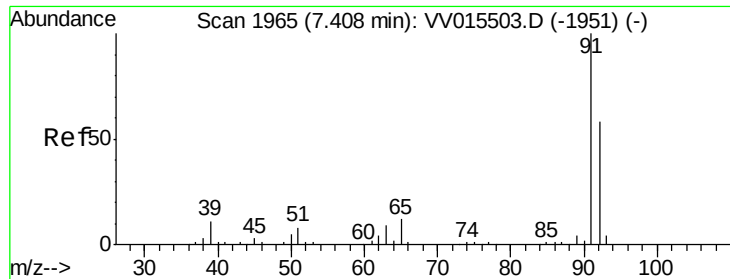
Tot Ion: 63 Resp: 4372
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015522.D
 Acq: 15 Apr 2020 20:38

Tgt Ion: 75 Resp: 1116
 Ion Ratio Lower Upper
 75 100
 77 36.4 23.0 42.6





#42

Toluene

Concen: 5.096 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015522.D

Acq: 15 Apr 2020 20:38

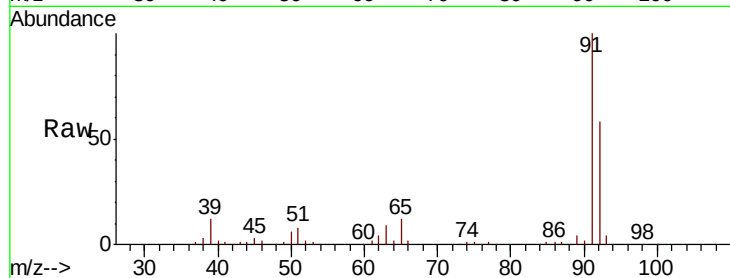
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 167319

Ion Ratio Lower Upper

91 100

92 58.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV015503.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015522.D (-1872) (-)

7.41

100000

80000

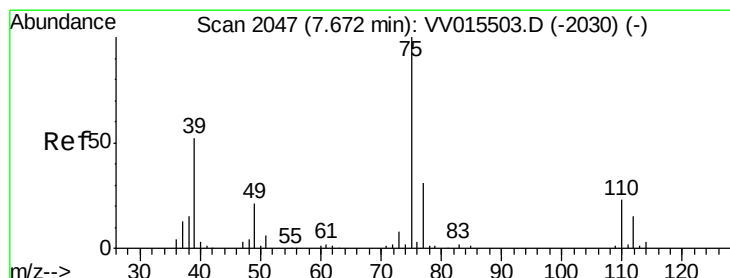
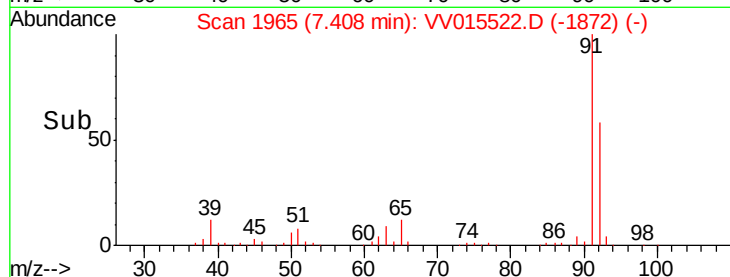
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015522.D

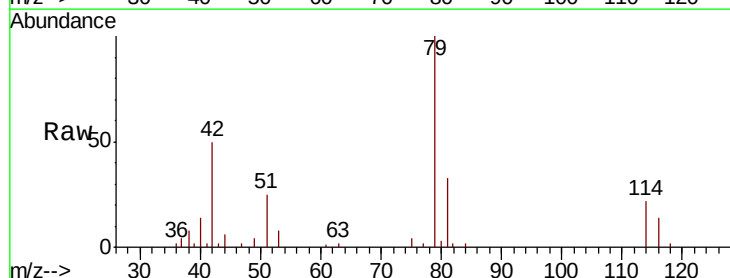
Acq: 15 Apr 2020 20:38

Tgt Ion: 75 Resp: 657

Ion Ratio Lower Upper

75 100

77 38.8 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV015503.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015522.D (-1954) (-)

7.64

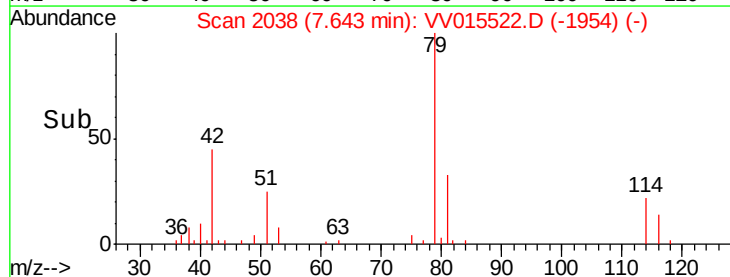
300

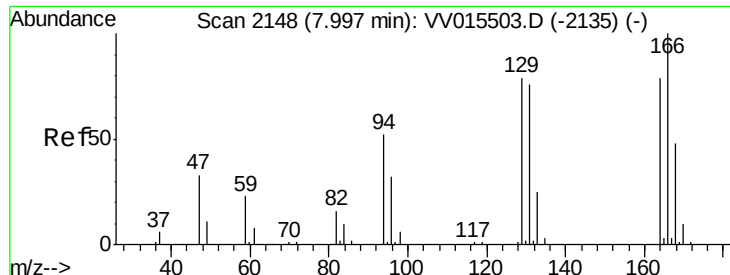
200

100

0

Time-->





#47

Tetrachloroethene

Concen: 1.689 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015522.D

Acq: 15 Apr 2020 20:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 10185

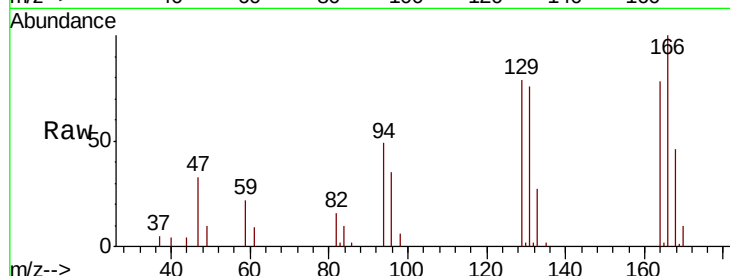
Ion Ratio Lower Upper

164 100

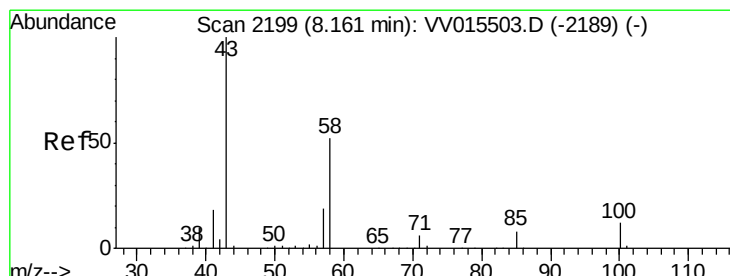
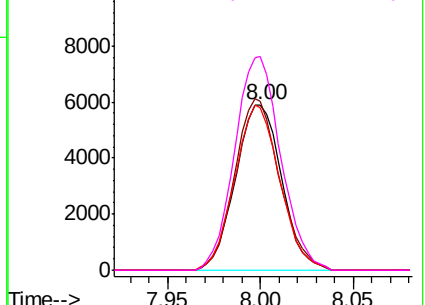
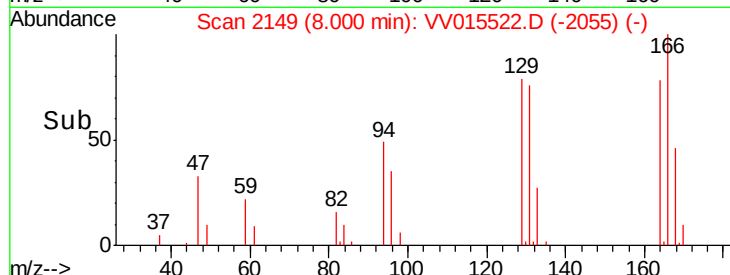
129 102.0 70.6 131.0

131 98.1 68.3 126.8

166 128.9 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: 2.523 ug/L

RT: 8.11 min Scan# 2184

Delta R.T. -0.05 min

Lab File: VV015522.D

Acq: 15 Apr 2020 20:38

Tgt Ion: 43 Resp: 8682

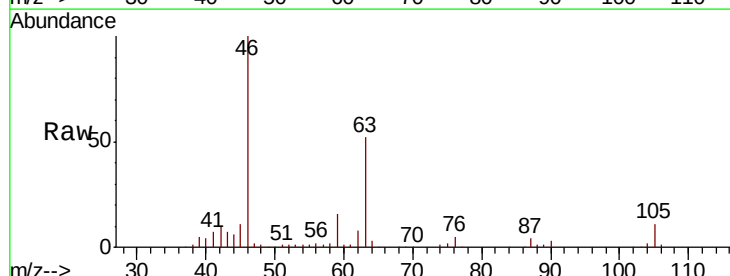
Ion Ratio Lower Upper

43 100

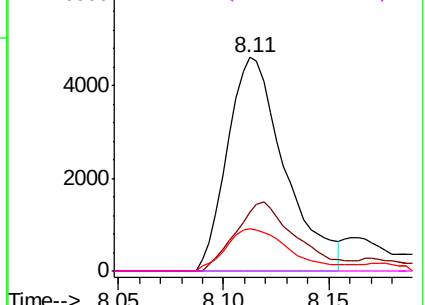
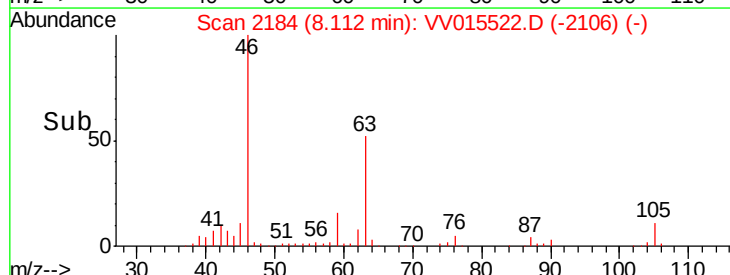
58 34.5 41.4 62.0#

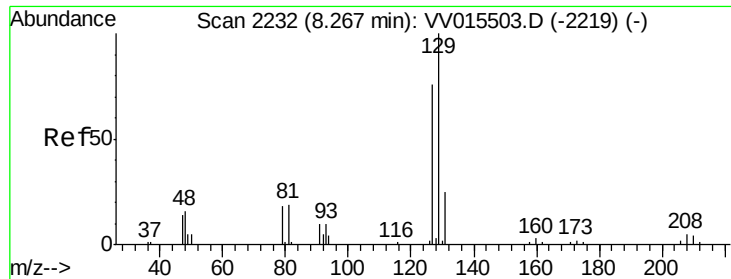
57 22.6 15.0 22.4#

100 0.0 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

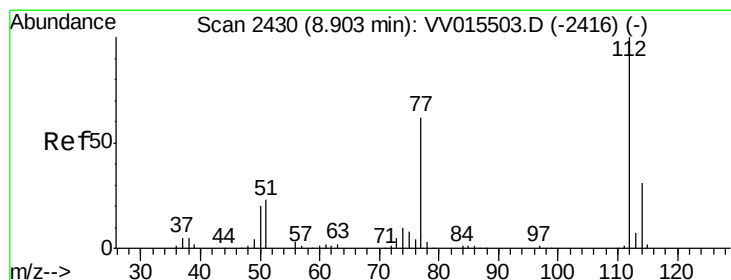
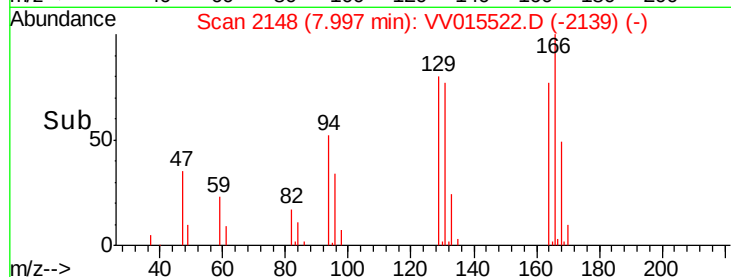
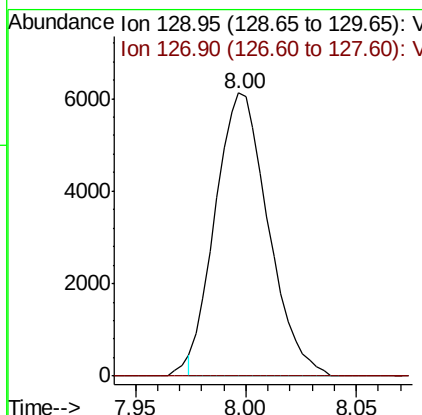
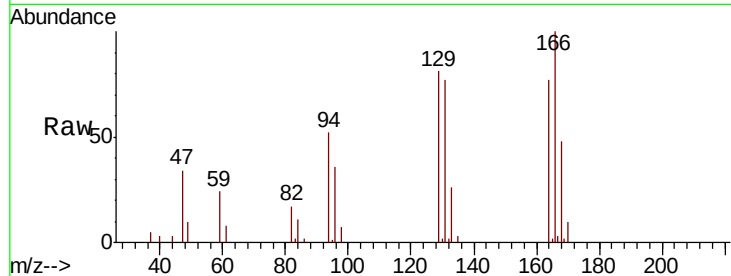




#49
Dibromochloromethane
Concen: 1.679 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV015522.D
Acq: 15 Apr 2020 20:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 10142
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#



#51
Chlorobenzene
Concen: 5.132 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015522.D
Acq: 15 Apr 2020 20:38

Tgt Ion:112 Resp: 107407
Ion Ratio Lower Upper
112 100
114 31.4 22.9 42.5
77 61.5 49.8 74.8

