

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041520\
 Data File : VV015511.D
 Acq On : 15 Apr 2020 15:59
 Operator : SY/MD
 Sample : L2273-23MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 16 00:44:58 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	108390	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	101281	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	49622	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29604	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.58	69	27049	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.13	63	61245	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.40%
20) 2-Butanone-d5	3.92	46	76811	48.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.28%
24) Chloroform-d	4.38	84	60597	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.06	65	32575	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.08	84	116962	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.10	67	36193	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.34	98	106584	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.65	79	13775	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.11	63	59843	40.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	24217	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	39440	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	541	0.076	ug/L # 20
12) 1,1-Dichloroethene	2.13	96	33344	4.901	ug/L 92
13) Acetone	2.20	43	9290	8.327	ug/L # 52
15) Methyl Acetate	2.20	43	9061	2.745	ug/L # 57
25) Chloroform	4.41	83	36909	2.495	ug/L 99
27) 1,2-Dichloroethane	5.13	62	1672	0.175	ug/L # 77
33) Benzene	5.13	78	159506	5.262	ug/L 100
34) Trichloroethene	5.94	95	41997	5.147	ug/L 95
35) Methylcyclohexane	6.10	83	8727	0.635	ug/L # 16
37) 1,2-Dichloropropane	6.10	63	4552	0.605	ug/L # 86
38) Bromodichloromethane	6.54	83	1134	0.113	ug/L # 97
39) cis-1,3-Dichloropropene	7.01	75	1076	0.093	ug/L # 67
42) Toluene	7.41	91	168252	5.112	ug/L 97
44) trans-1,3-Dichloropropene	7.65	75	656	0.067	ug/L # 71
47) Tetrachloroethene	8.00	164	22787	3.770	ug/L 98
48) 2-Hexanone	8.11	43	8992	2.607	ug/L # 82
49) Dibromochloromethane	8.00	129	22358	3.693	ug/L # 10

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QLast Update : Thu Apr 16 00:42:12 2020
Response via : Initial Calibration

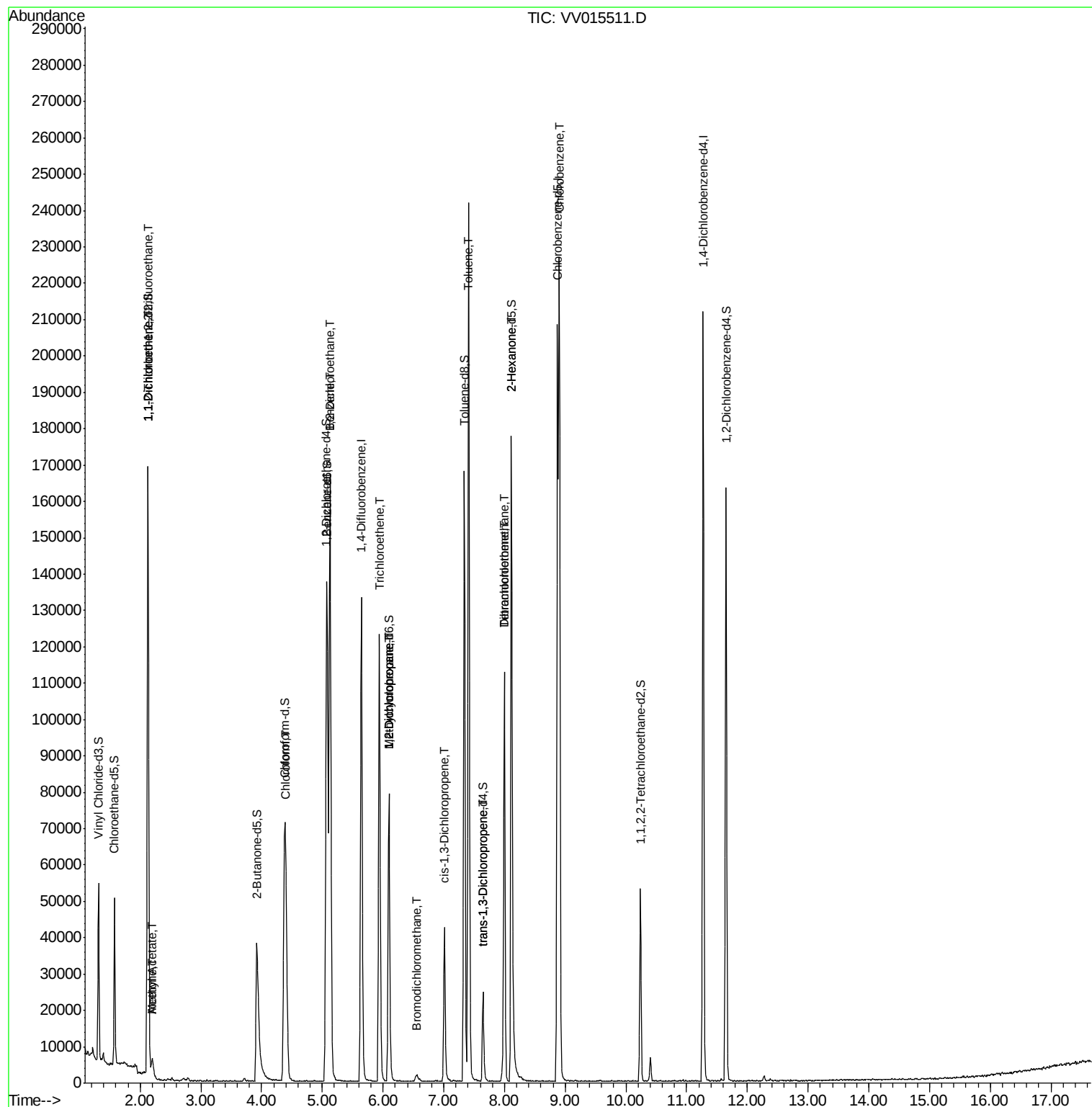
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	8.90	112	108181	5.157	ug/L	99

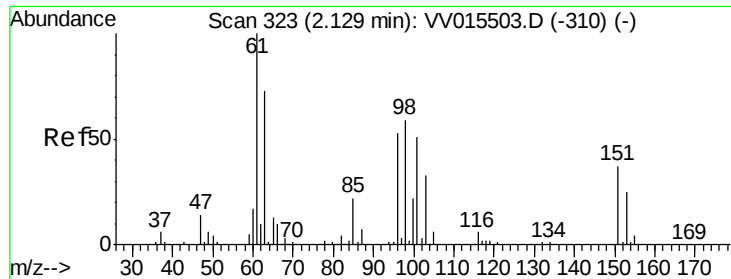
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.076 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015511.D

Acq: 15 Apr 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

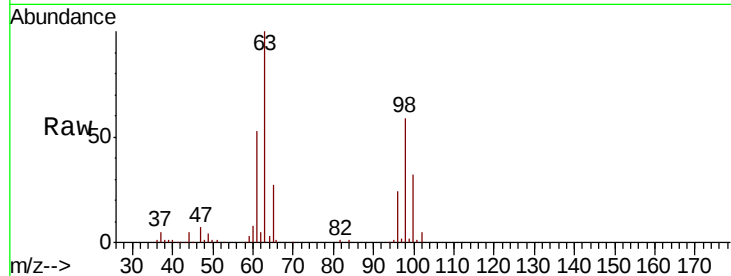
Tot Ion:101 Resp: 541

Ion Ratio Lower Upper

101 100

85 0.0 36.3 54.5#

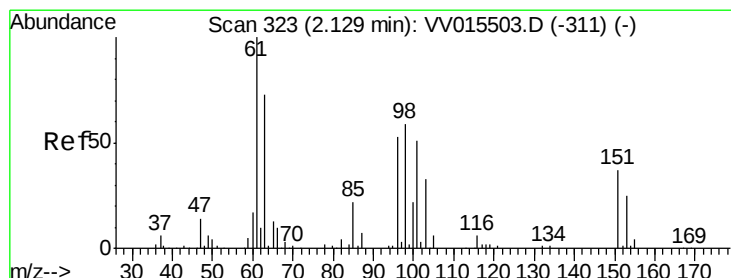
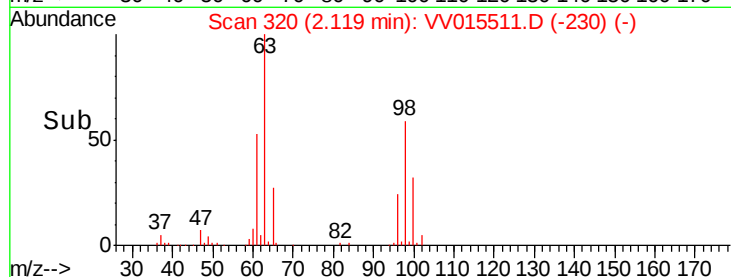
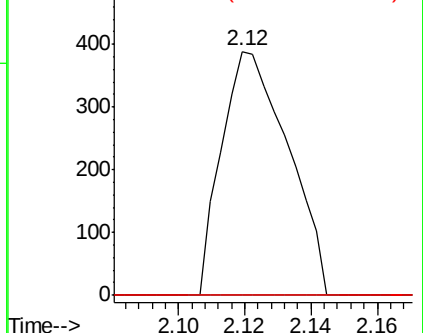
151 0.0 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.901 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015511.D

Acq: 15 Apr 2020 15:59

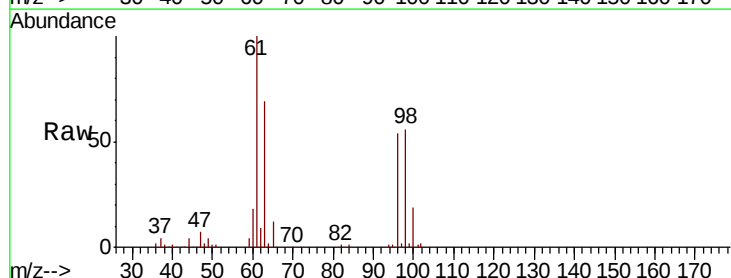
Tgt Ion: 96 Resp: 33344

Ion Ratio Lower Upper

96 100

61 184.4 127.7 237.1

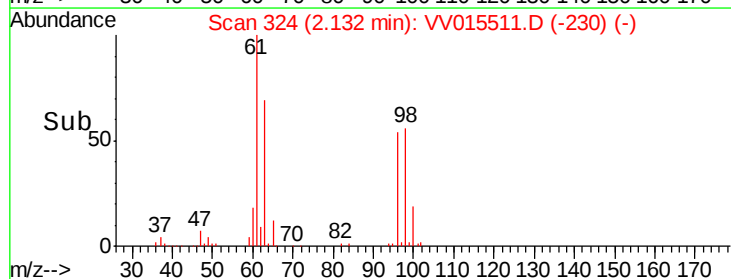
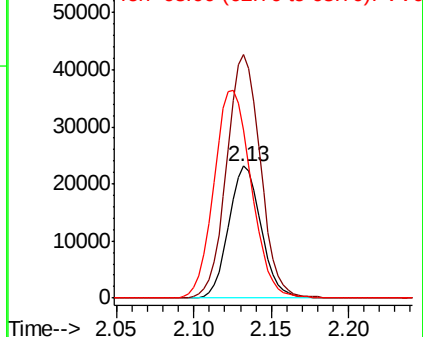
63 127.0 75.1 139.5

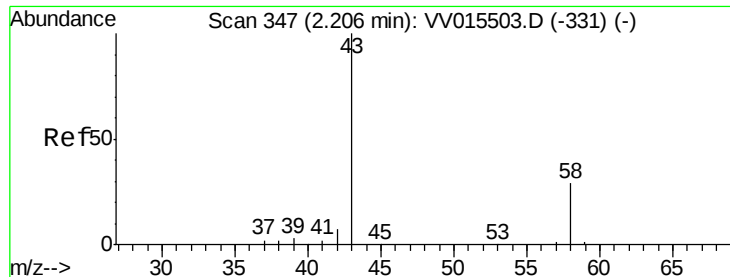


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.327 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.01 min

Lab File: VV015511.D

Acq: 15 Apr 2020 15:59

Instrument :

MSVOA_V

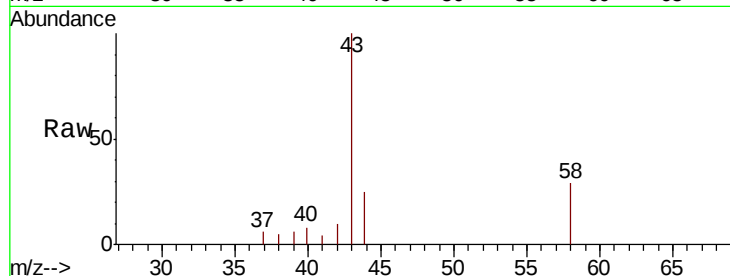
ClientSampleId :

Tot Ion: 43 Resp: 9290

Ion Ratio Lower Upper

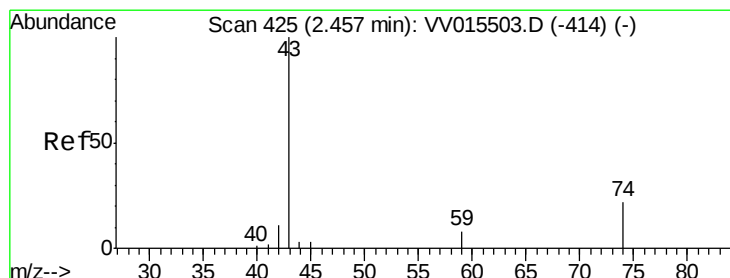
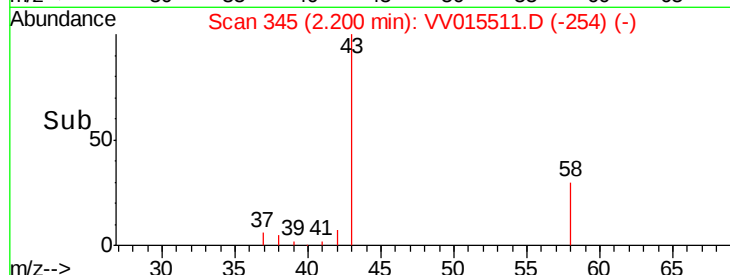
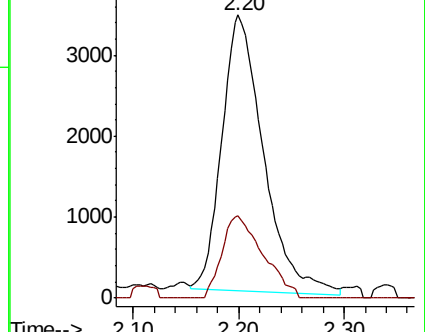
43 100

58 29.5 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015511.D (-254) (-)

Ion 58.05 (57.75 to 58.75): VV015511.D (-254) (-)



#15

Methyl Acetate

Concen: 2.745 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.26 min

Lab File: VV015511.D

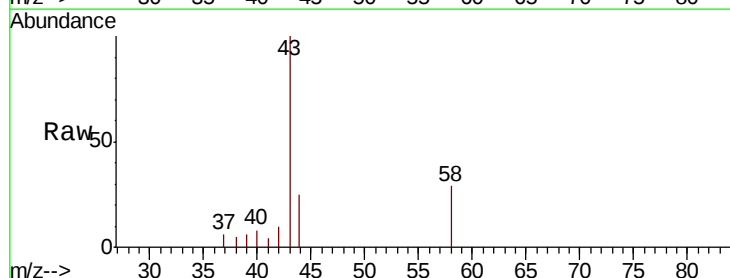
Acq: 15 Apr 2020 15:59

Tgt Ion: 43 Resp: 9061

Ion Ratio Lower Upper

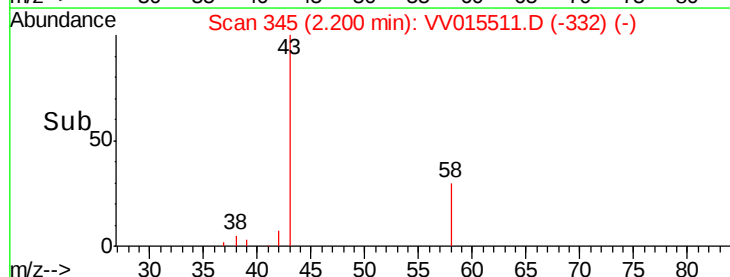
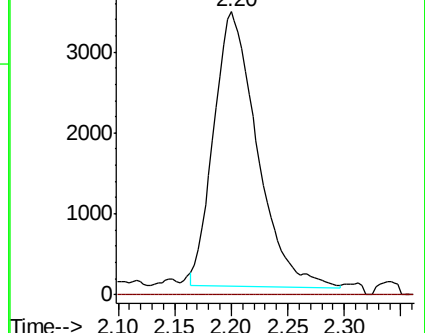
43 100

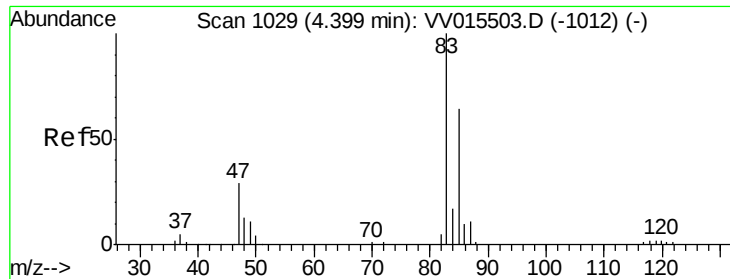
74 0.0 15.4 23.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015511.D (-332) (-)

Ion 74.05 (73.75 to 74.75): VV015511.D (-332) (-)

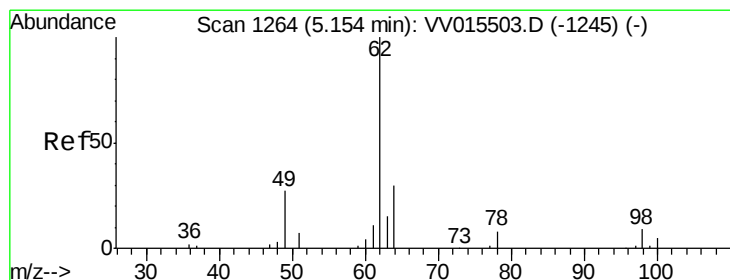
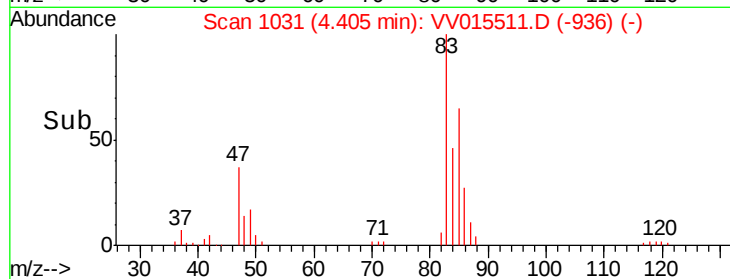
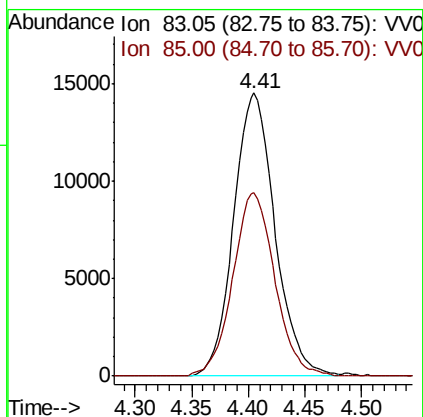
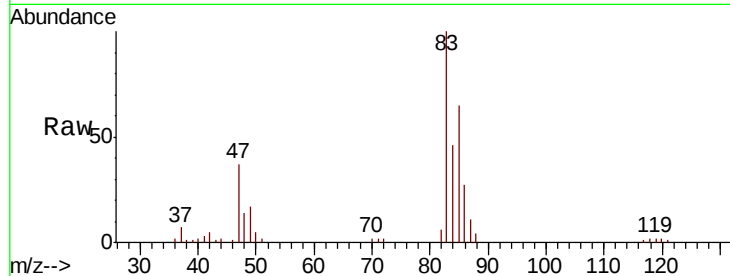




#25
Chloroform
Concen: 2.495 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV015511.D
Acq: 15 Apr 2020 15:59

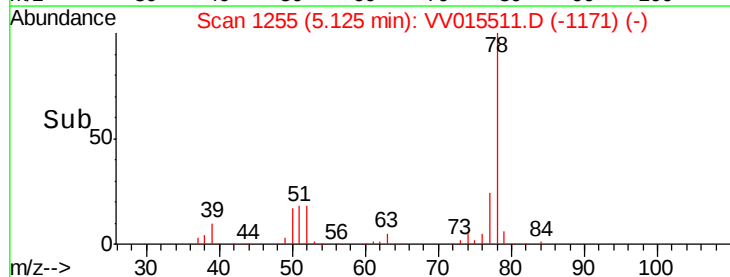
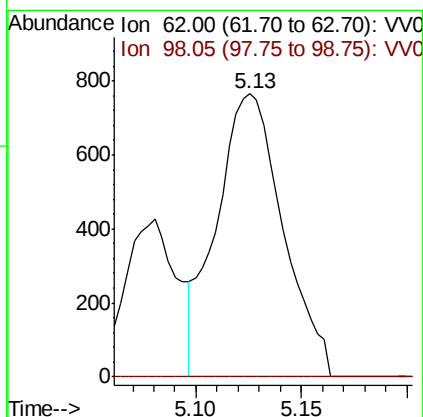
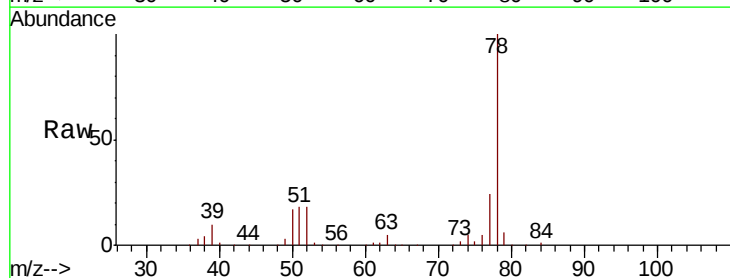
Instrument :
MSVOA_V
ClientSampleId :

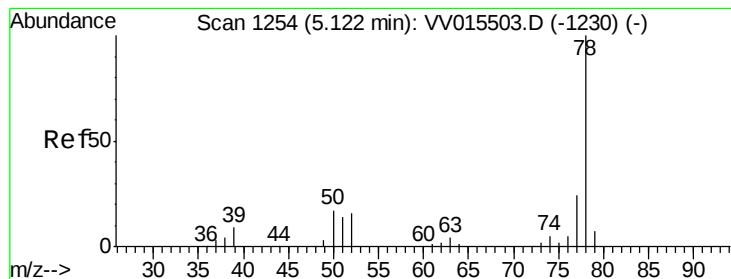
Tot Ion: 83 Resp: 36909
Ion Ratio Lower Upper
83 100
85 64.8 45.9 85.3



#27
1,2-Dichloroethane
Concen: 0.175 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.03 min
Lab File: VV015511.D
Acq: 15 Apr 2020 15:59

Tgt Ion: 62 Resp: 1672
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#33

Benzene

Concen: 5.262 ug/L

RT: 5.13 min Scan# 1255

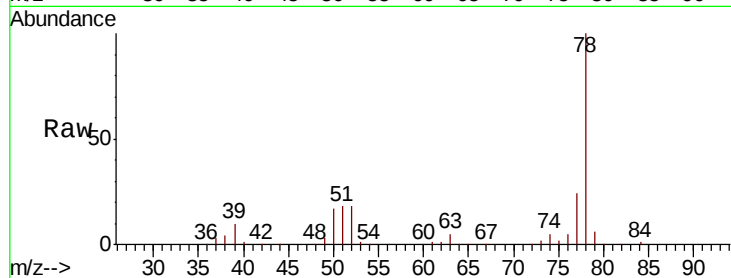
Delta R.T. 0.00 min

Lab File: VV015511.D

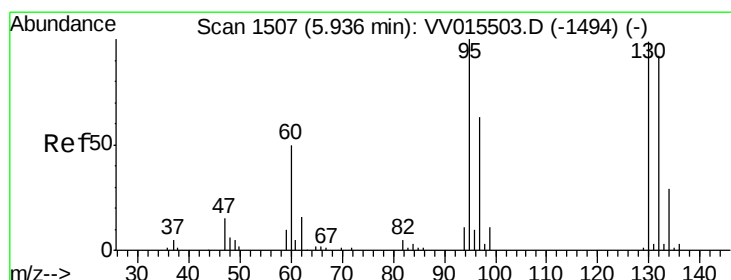
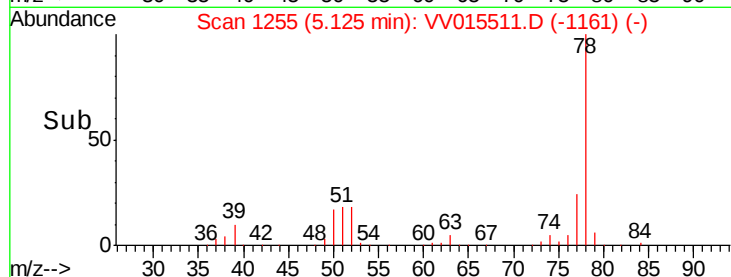
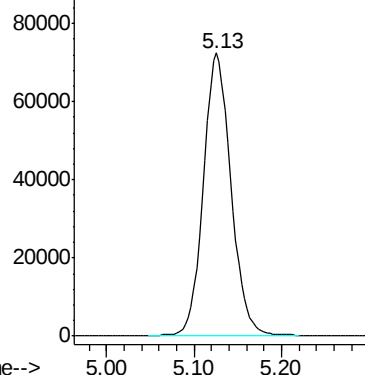
Acq: 15 Apr 2020 15:59

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 159506



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 5.147 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015511.D

Acq: 15 Apr 2020 15:59

Tgt Ion: 95 Resp: 41997

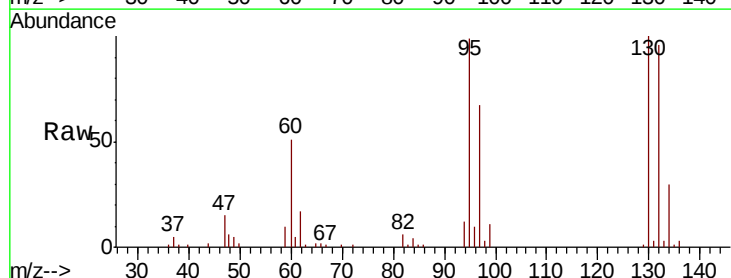
Ion	Ratio	Lower	Upper
95	100		
97	67.8	45.4	84.4
132	97.7	64.8	120.4
130	101.5	67.4	125.2

95 100

97 67.8 45.4 84.4

132 97.7 64.8 120.4

130 101.5 67.4 125.2

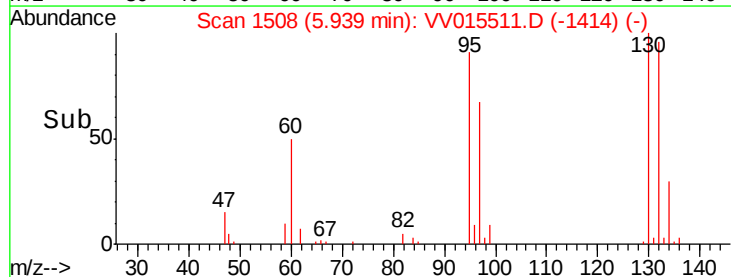
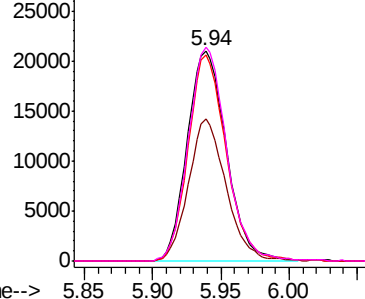


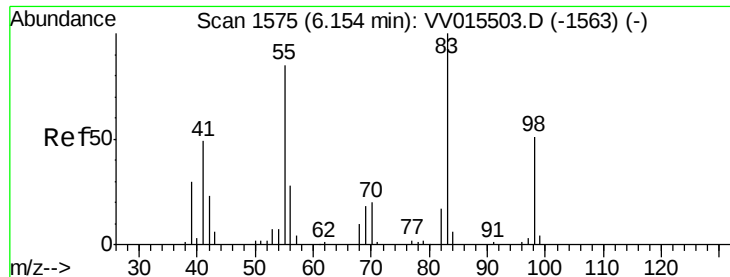
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

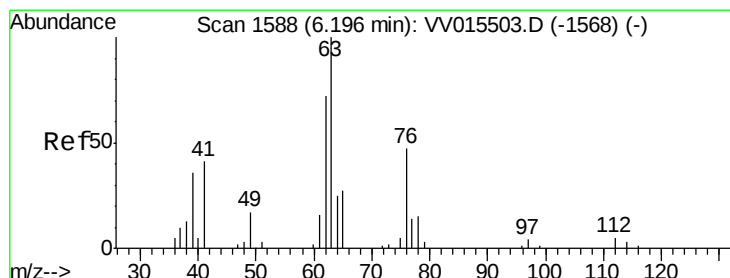
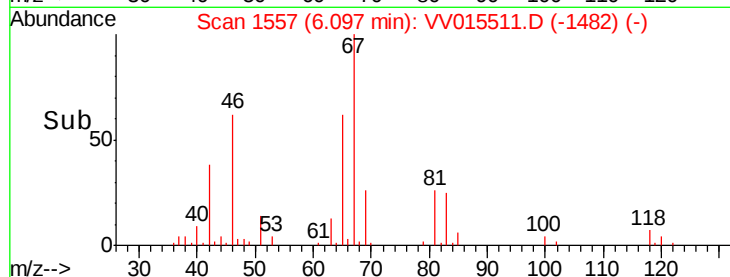
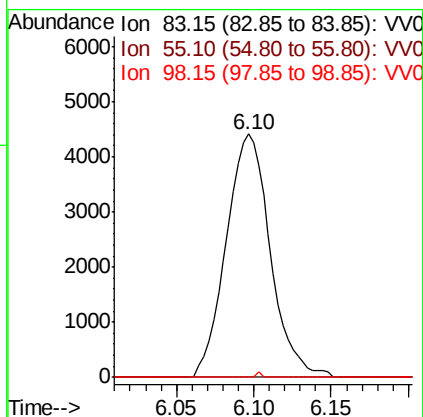
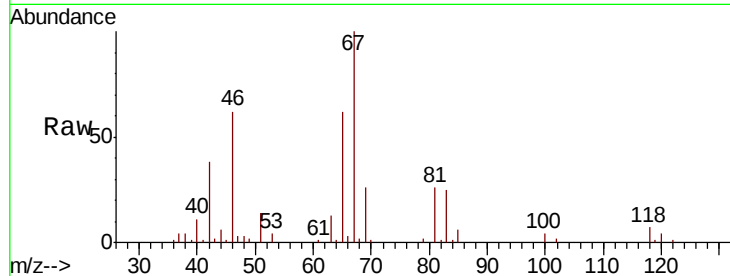




#35
Methvlcvclohexane
Concen: 0.635 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV015511.D
Acq: 15 Apr 2020 15:59

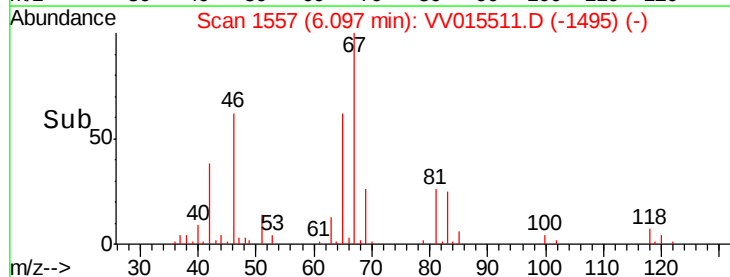
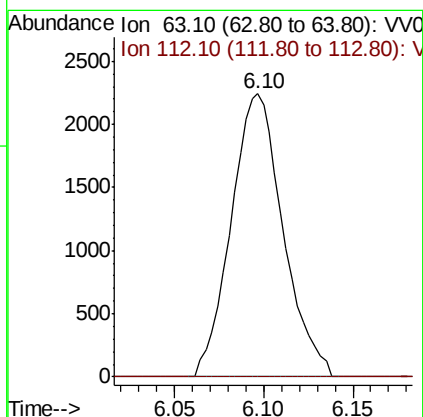
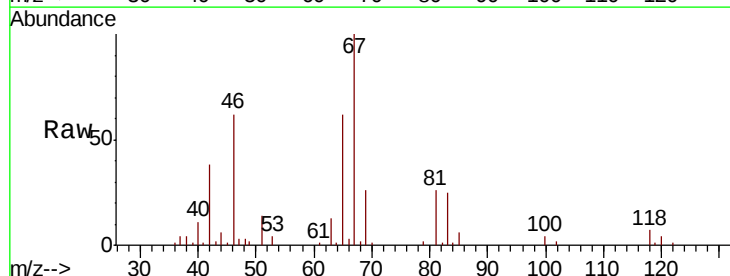
Instrument :
MSVOA_V
ClientSampled :

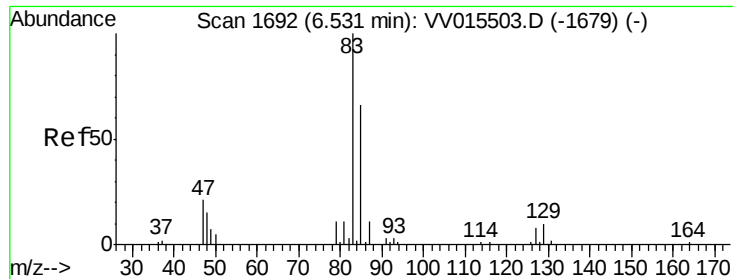
Tot Ion: 83 Resp: 8727
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 1.2 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.605 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015511.D
Acq: 15 Apr 2020 15:59

Tgt Ion: 63 Resp: 4552
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#38

Bromodichloromethane

Concen: 0.113 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV015511.D

Acq: 15 Apr 2020 15:59

Instrument :

MSVOA_V

ClientSampleId :

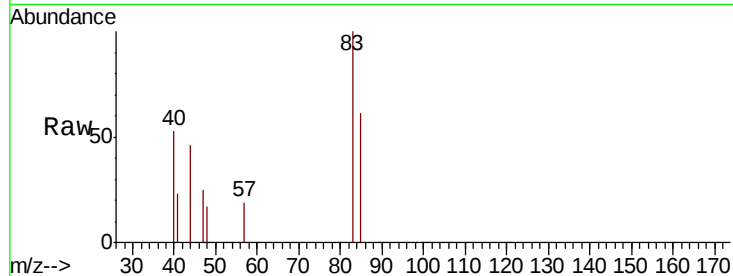
Tot Ion: 83 Resp: 1134

Ion Ratio Lower Upper

83 100

85 60.7 42.6 79.2

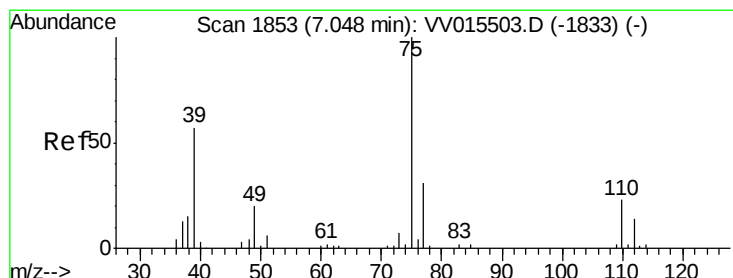
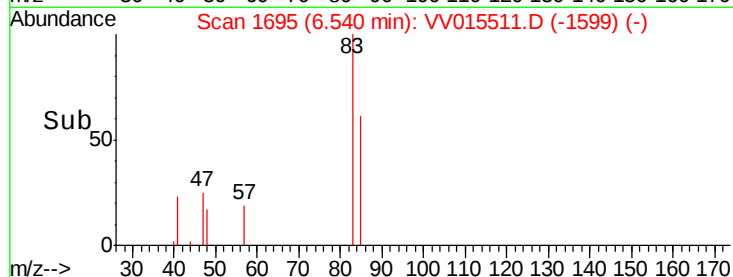
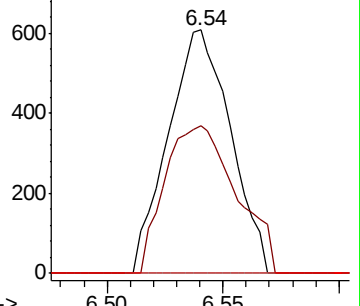
127 0.0 6.6 9.8#



Abundance Ion 82.95 (82.65 to 83.65): VV015511.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV015511.D (-1599) (-)

Ion 126.90 (126.60 to 127.60): VV015511.D (-1599) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV015511.D

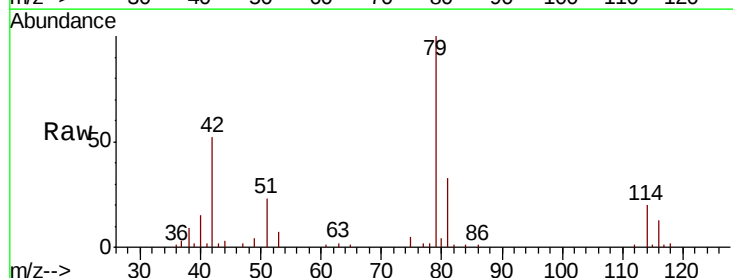
Acq: 15 Apr 2020 15:59

Tgt Ion: 75 Resp: 1076

Ion Ratio Lower Upper

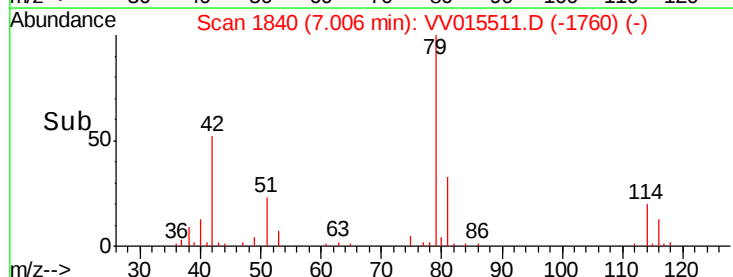
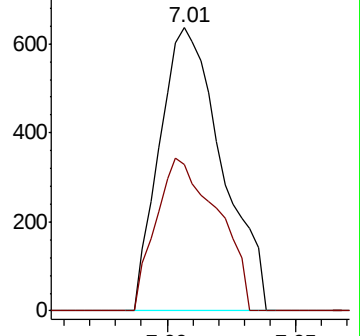
75 100

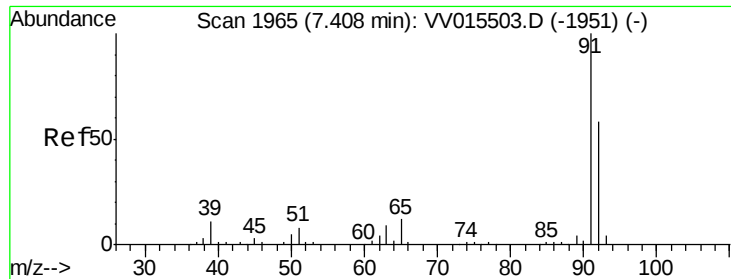
77 51.6 23.0 42.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015511.D (-1760) (-)

Ion 77.05 (76.75 to 77.75): VV015511.D (-1760) (-)





#42

Toluene

Concen: 5.112 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015511.D

Acq: 15 Apr 2020 15:59

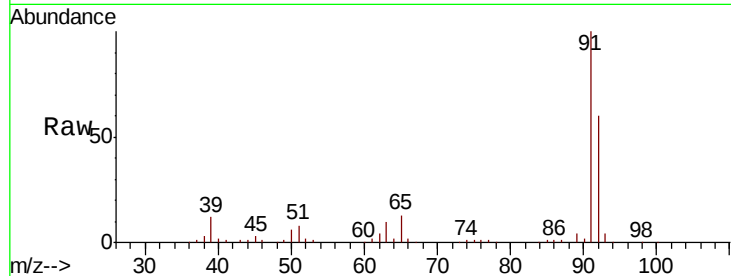
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 168252

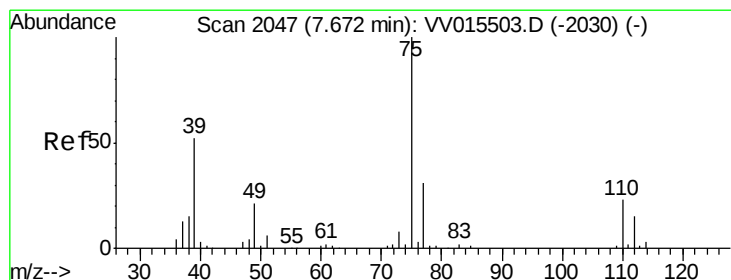
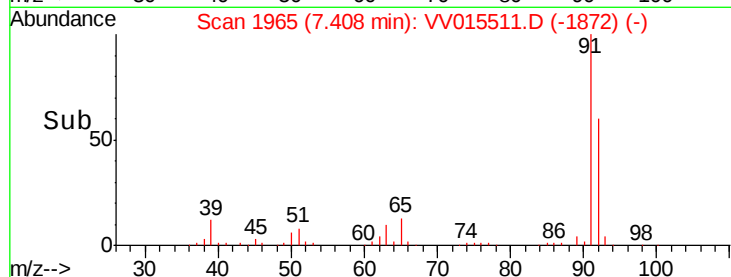
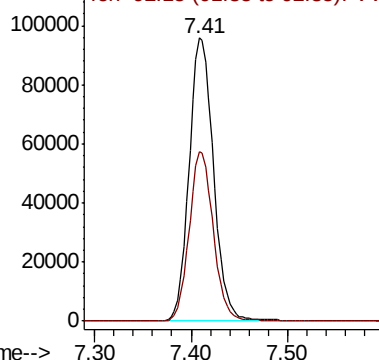
Ion Ratio Lower Upper

91 100

92 59.9 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.067 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015511.D

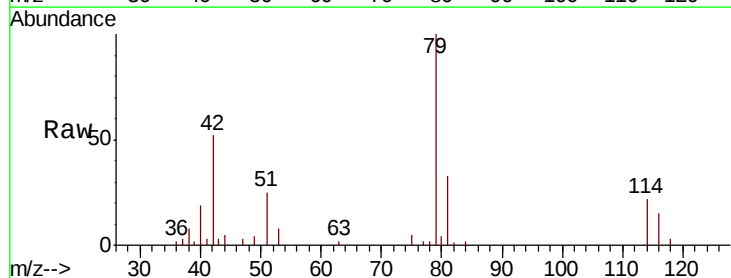
Acq: 15 Apr 2020 15:59

Tgt Ion: 75 Resp: 656

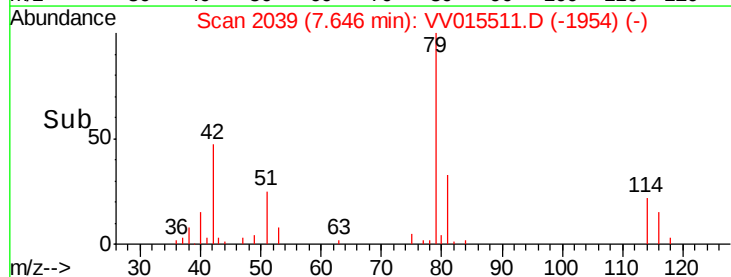
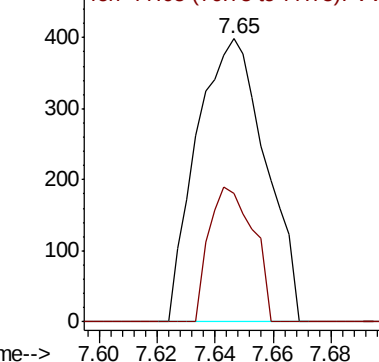
Ion Ratio Lower Upper

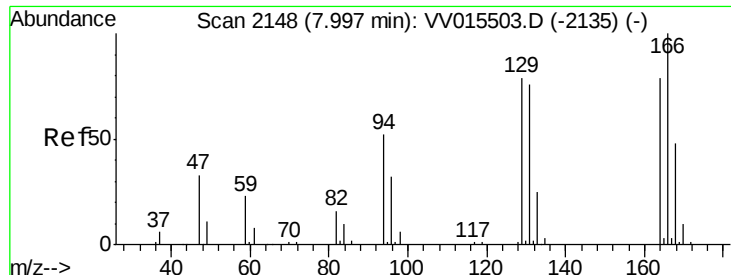
75 100

77 45.5 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

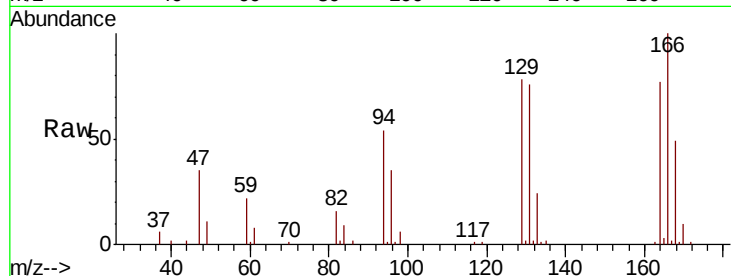




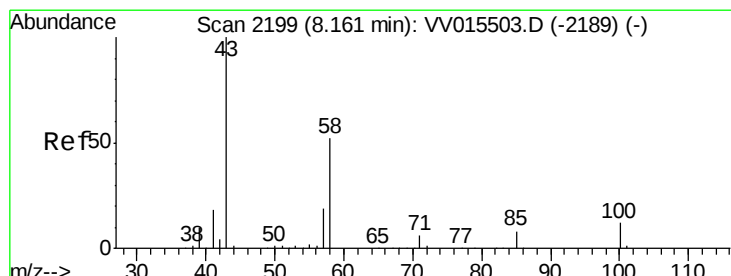
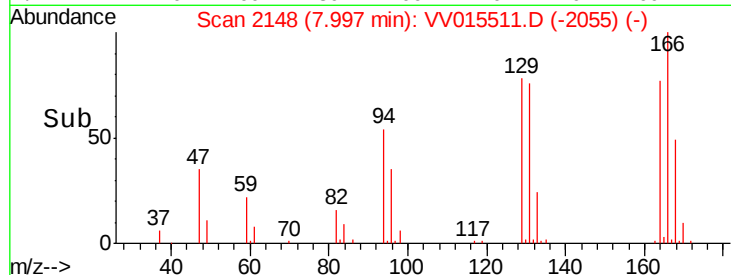
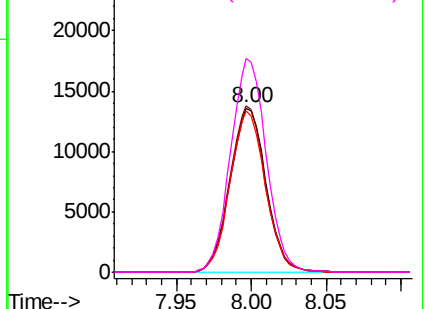
#47
Tetrachloroethene
Concen: 3.770 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015511.D
Acq: 15 Apr 2020 15:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 22787
Ion Ratio Lower Upper
164 100
129 101.6 70.6 131.0
131 98.4 68.3 126.8
166 130.3 88.3 163.9

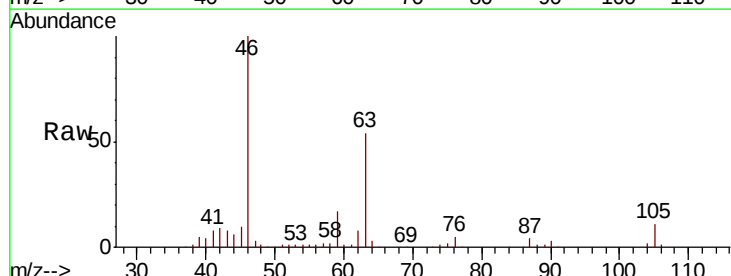


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

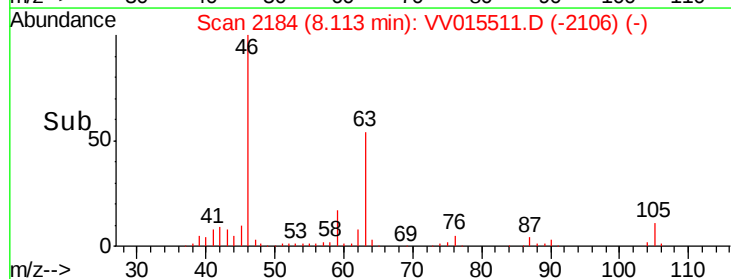
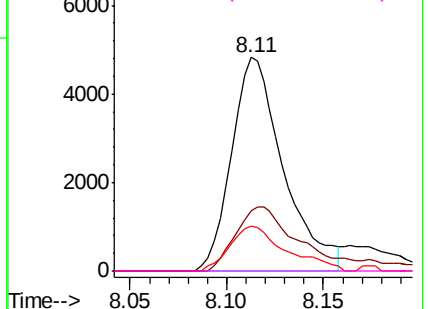


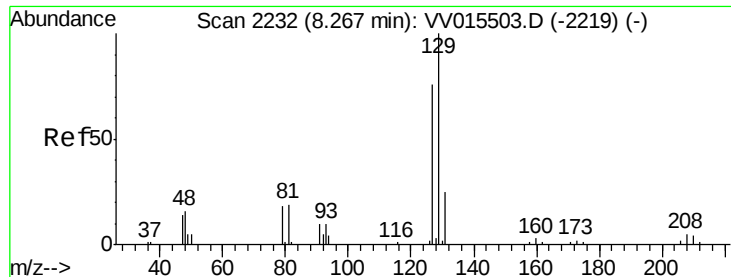
#48
2-Hexanone
Concen: 2.607 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV015511.D
Acq: 15 Apr 2020 15:59

Tgt Ion: 43 Resp: 8992
Ion Ratio Lower Upper
43 100
58 38.6 41.4 62.0#
57 22.7 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: 3.693 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015511.D

Acq: 15 Apr 2020 15:59

Instrument :

MSVOA_V

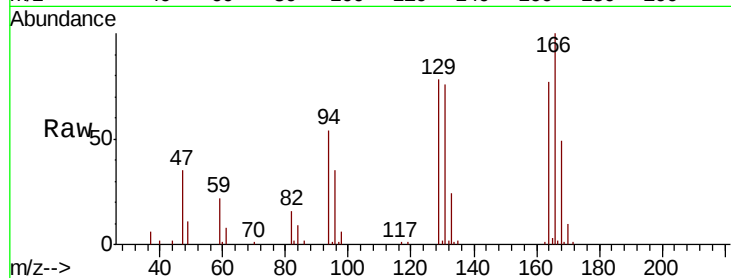
ClientSampleId :

Tot Ion:129 Resp: 22358

Ion Ratio Lower Upper

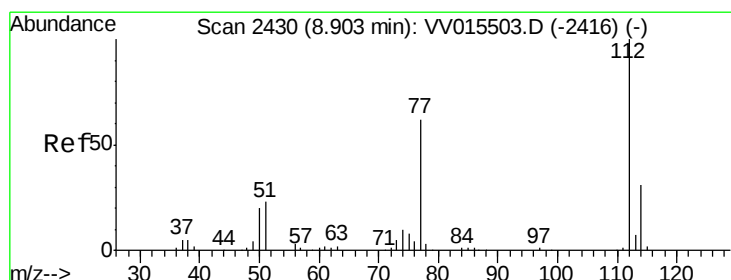
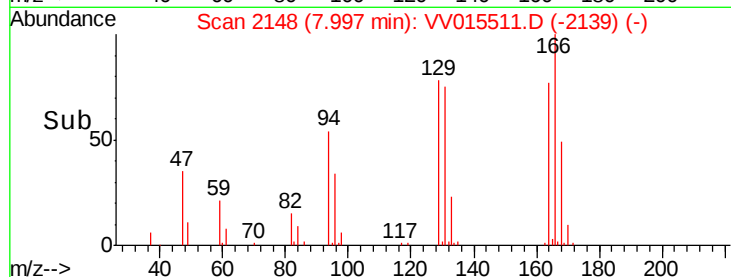
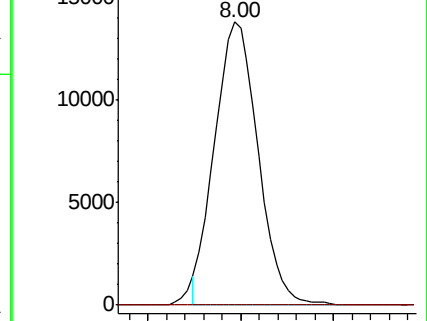
129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#51

Chlorobenzene

Concen: 5.157 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015511.D

Acq: 15 Apr 2020 15:59

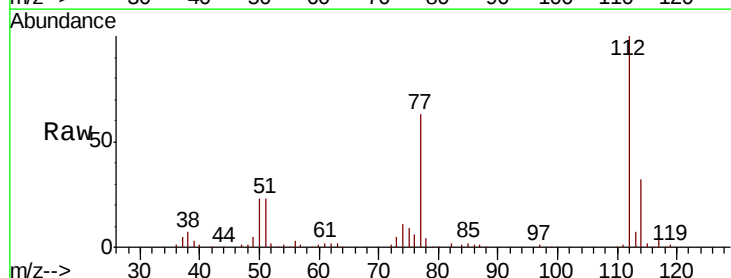
Tgt Ion:112 Resp: 108181

Ion Ratio Lower Upper

112 100

114 31.9 22.9 42.5

77 62.6 49.8 74.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

