

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041520\
 Data File : VV015513.D
 Acq On : 15 Apr 2020 17:08
 Operator : SY/MD
 Sample : L2274-03DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 16 00:45:15 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	106692	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	100095	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	49149	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29467	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.58	69	25814	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.12	63	41308	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	3.93	46	75558	48.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.22%
24) Chloroform-d	4.38	84	56993	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.06	65	32248	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.08	84	115497	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.10	67	35339	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.34	98	103994	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	7.65	79	14069	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.11	63	61819	42.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.24%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	24035	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	37558	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.13	96	525	0.078 ug/L #	1
13) Acetone	2.21	43	1912	1.741 ug/L	75
14) Carbon disulfide	2.31	76	1207	0.052 ug/L #	75
16) Methylene chloride	2.52	84	1553	0.198 ug/L	92
25) Chloroform	4.41	83	3873	0.266 ug/L	96
35) Methylcyclohexane	6.10	83	8786	0.647 ug/L #	18
37) 1,2-Dichloropropane	6.10	63	4344	0.585 ug/L #	86
45) 1,1,2-Trichloroethane	7.99	97	472	0.094 ug/L #	1
47) Tetrachloroethene	8.00	164	53354	8.931 ug/L	97
48) 2-Hexanone	8.17	43	2061	0.605 ug/L #	73
49) Dibromochloromethane	8.00	129	52491	8.773 ug/L #	10
63) 1,4-Dichlorobenzene	11.30	146	1001	0.062 ug/L	89
67) 1,3,5-Trichlorobenzene	12.68	180	853	0.074 ug/L #	85
68) 1,2,4-trichlorobenzene	13.29	180	1211	0.117 ug/L	91
69) Naphthalene	13.53	128	3526	0.181 ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	1070	0.117 ug/L #	85

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

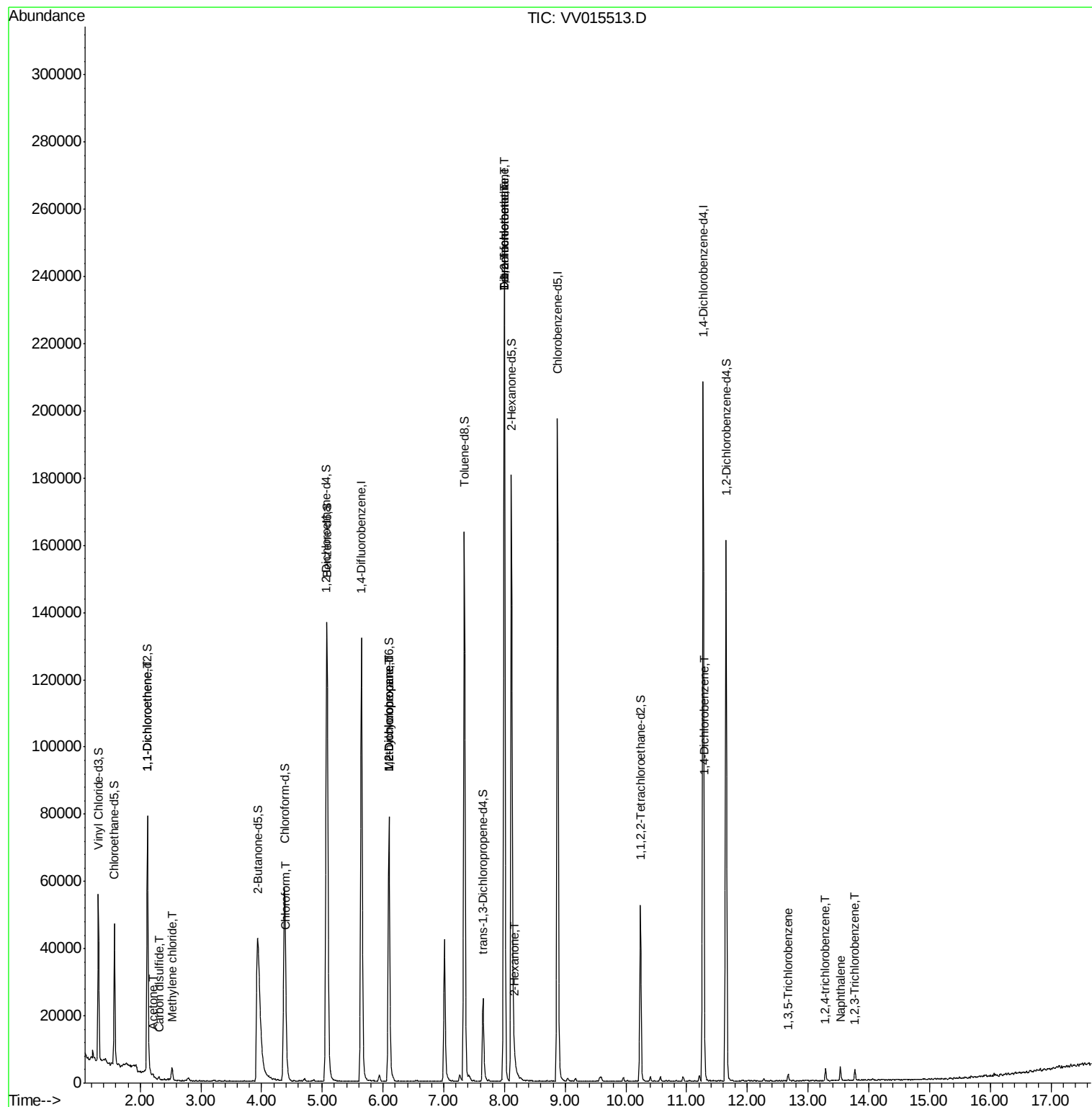
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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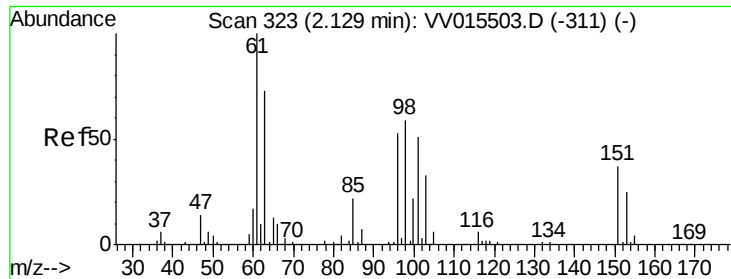
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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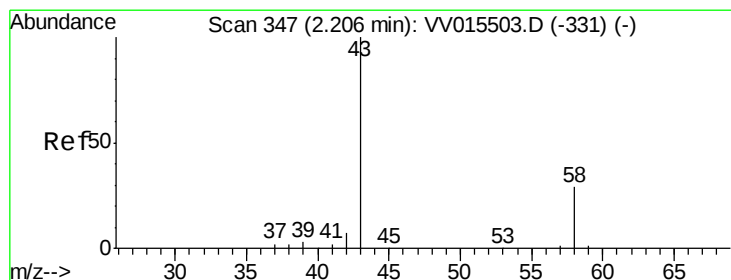
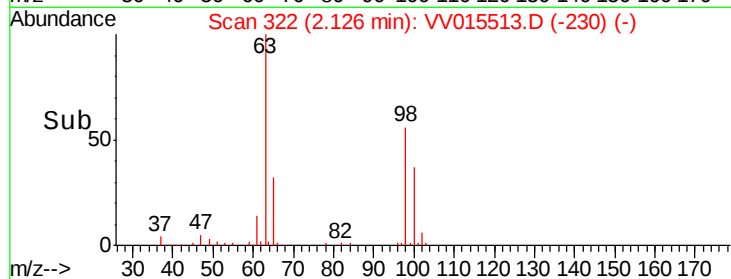
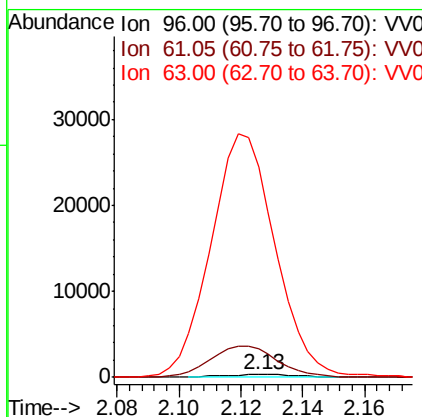
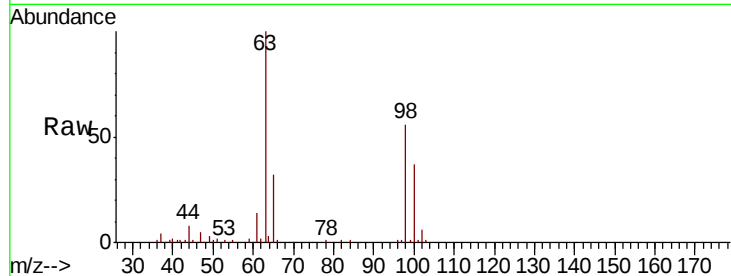




#12
 1,1-Dichloroethene
 Concen: 0.078 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VV015513.D
 Acq: 15 Apr 2020 17:08

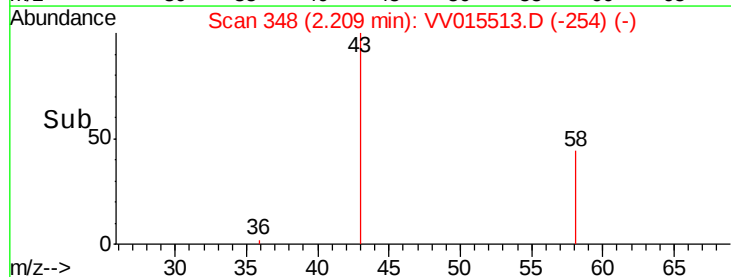
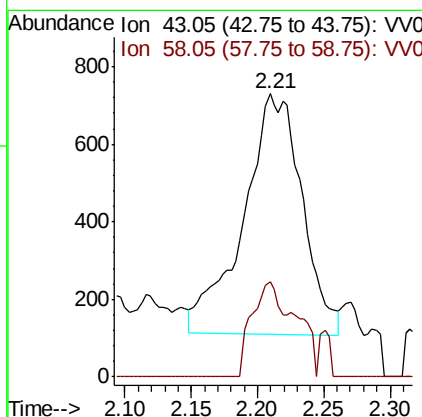
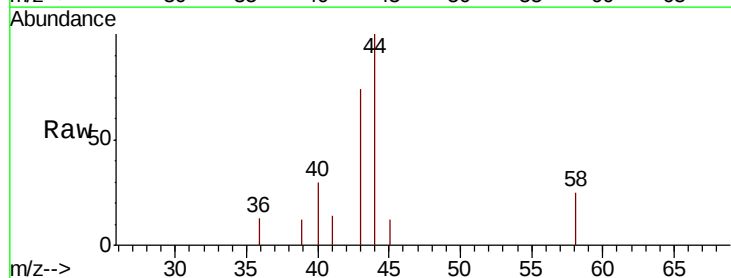
Instrument :
 MSVOA_V
 ClientSampled :

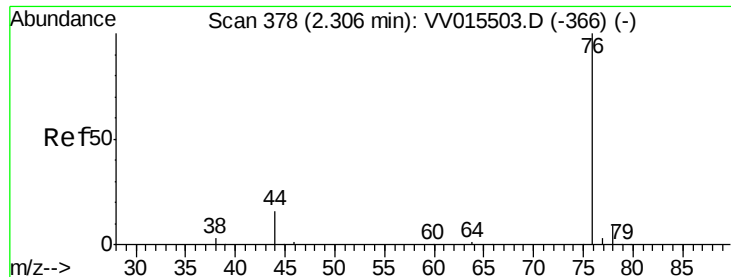
Tot Ion: 96 Resp: 525
 Ion Ratio Lower Upper
 96 100
 61 1043.8 127.7 237.1#
 63 7707.3 75.1 139.5#



#13
 Acetone
 Concen: 1.741 ug/L
 RT: 2.21 min Scan# 348
 Delta R.T. 0.00 min
 Lab File: VV015513.D
 Acq: 15 Apr 2020 17:08

Tgt Ion: 43 Resp: 1912
 Ion Ratio Lower Upper
 43 100
 58 20.6 0.0 22.2





#14

Carbon disulfide

Concen: 0.052 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015513.D

Acq: 15 Apr 2020 17:08

Instrument :

MSVOA_V

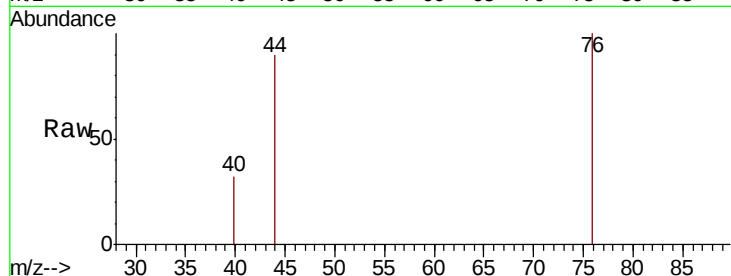
ClientSampleId :

Tot Ion: 76 Resp: 1207

Ion Ratio Lower Upper

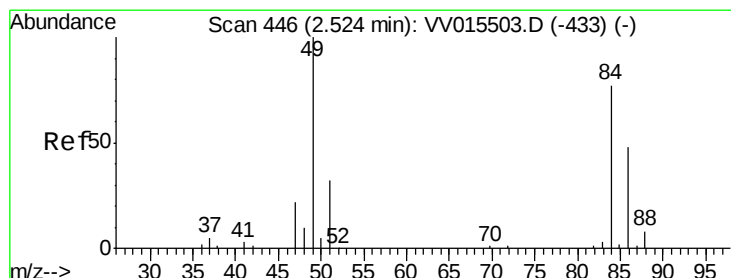
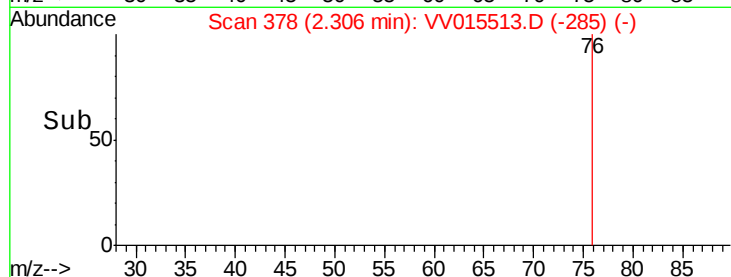
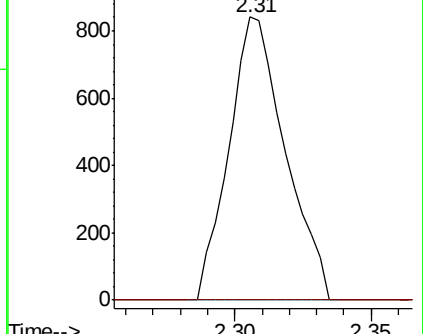
76 100

78 0.0 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.198 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV015513.D

Acq: 15 Apr 2020 17:08

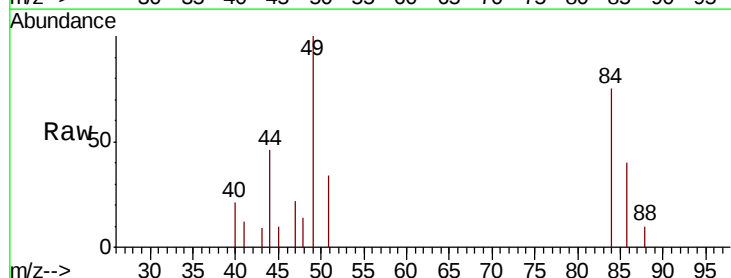
Tgt Ion: 84 Resp: 1553

Ion Ratio Lower Upper

84 100

86 53.6 45.1 83.7

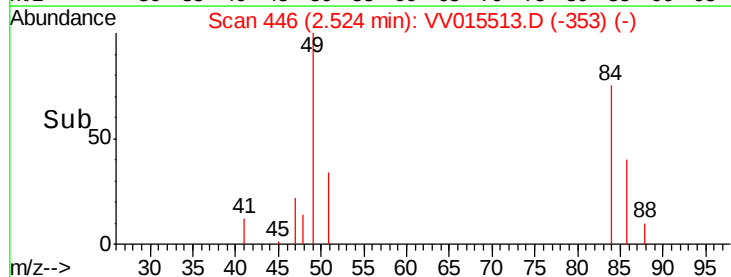
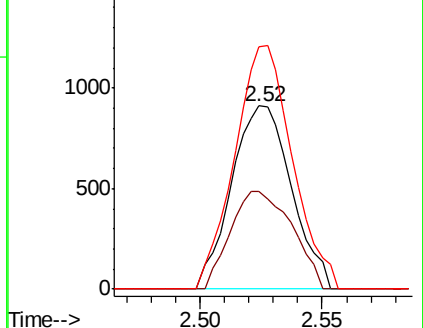
49 132.5 97.9 181.7

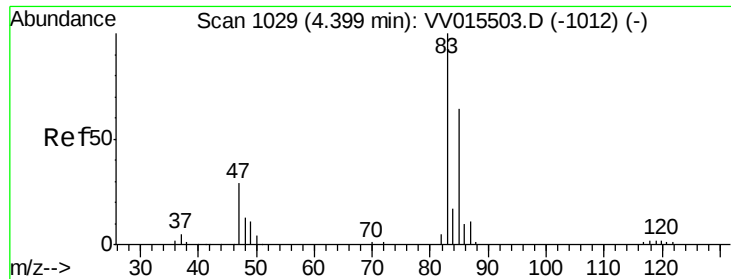


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

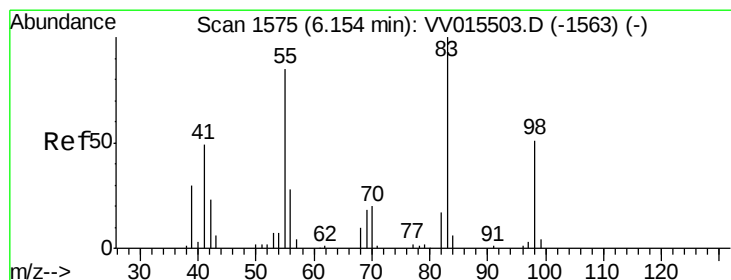
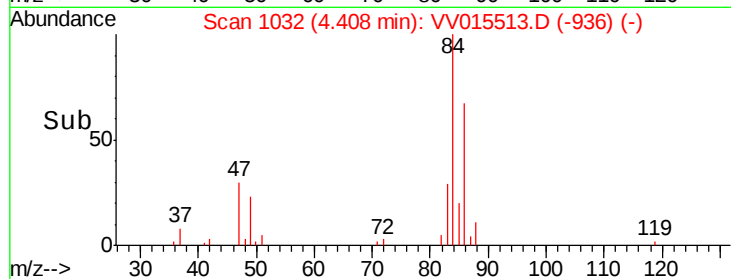
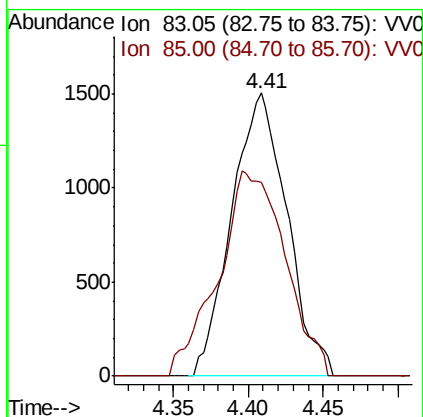
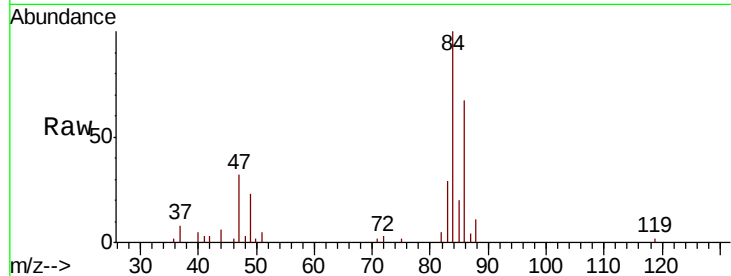




#25
Chloroform
Concen: 0.266 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV015513.D
Acq: 15 Apr 2020 17:08

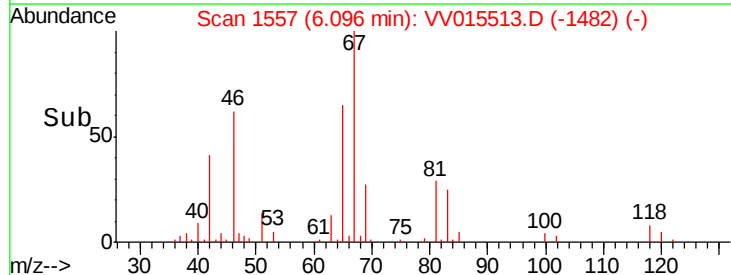
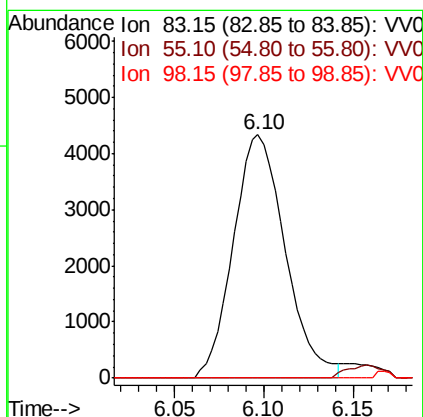
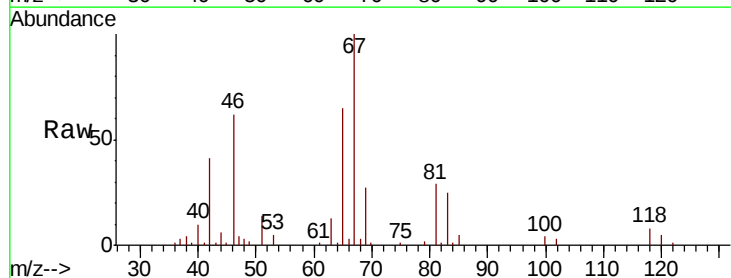
Instrument :
MSVOA_V
ClientSampleId :

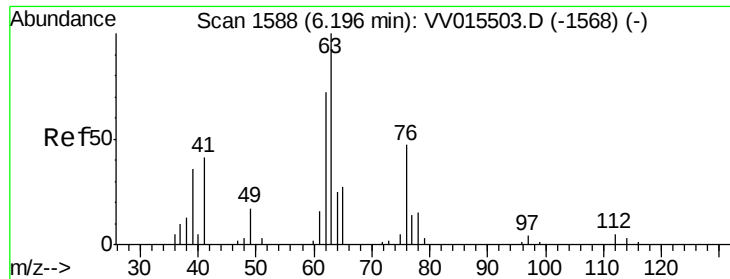
Tot Ion: 83 Resp: 3873
Ion Ratio Lower Upper
83 100
85 68.5 45.9 85.3



#35
Methylcyclohexane
Concen: 0.647 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV015513.D
Acq: 15 Apr 2020 17:08

Tgt Ion: 83 Resp: 8786
Ion Ratio Lower Upper
83 100
55 3.6 66.6 99.8#
98 0.8 38.7 58.1#

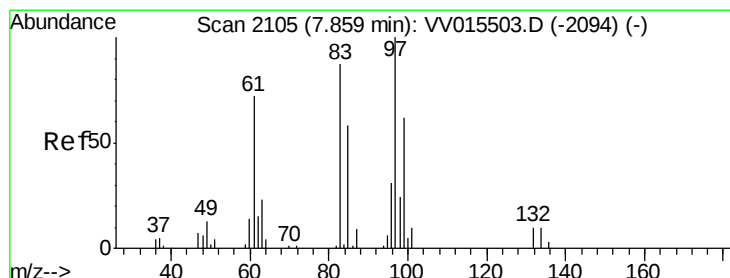
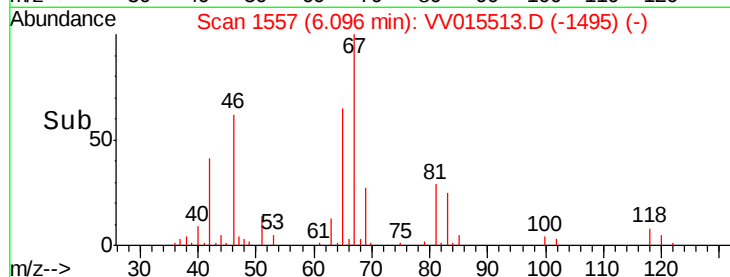
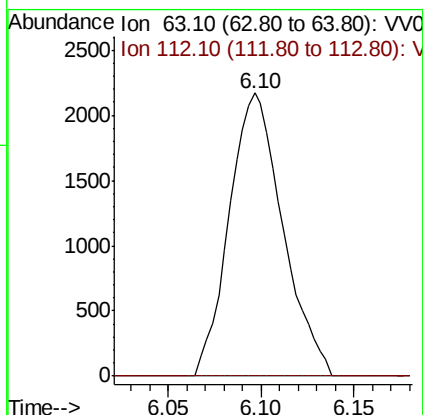
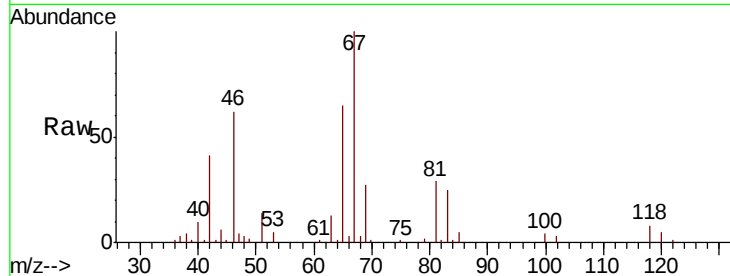




#37
 1,2-Dichloropropane
 Concen: 0.585 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015513.D
 Acq: 15 Apr 2020 17:08

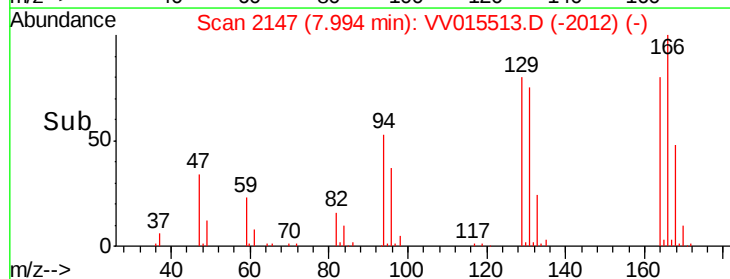
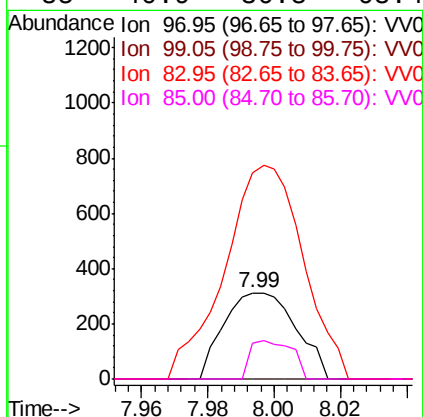
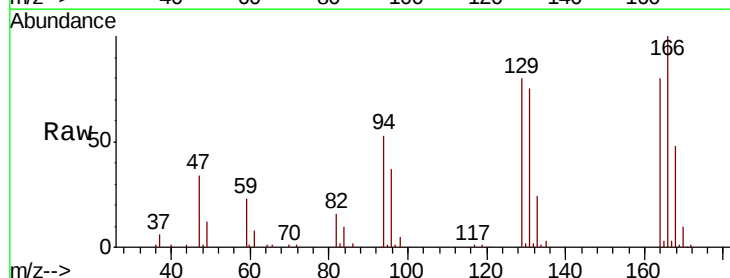
Instrument :
 MSVOA_V
 ClientSampleId :

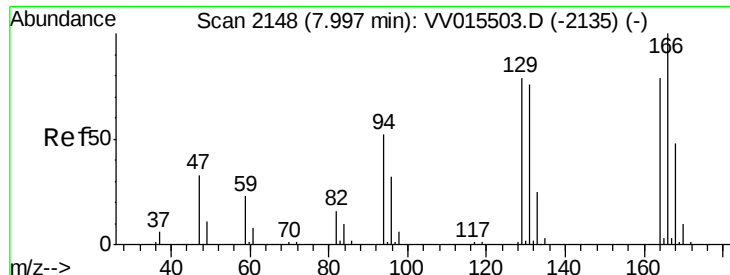
Tot Ion: 63 Resp: 4344
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#45
 1,1,2-Trichloroethane
 Concen: 0.094 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.14 min
 Lab File: VV015513.D
 Acq: 15 Apr 2020 17:08

Tgt Ion: 97 Resp: 472
 Ion Ratio Lower Upper
 97 100
 99 0.0 41.3 76.7#
 83 238.0 60.5 112.3#
 85 40.9 36.8 68.4

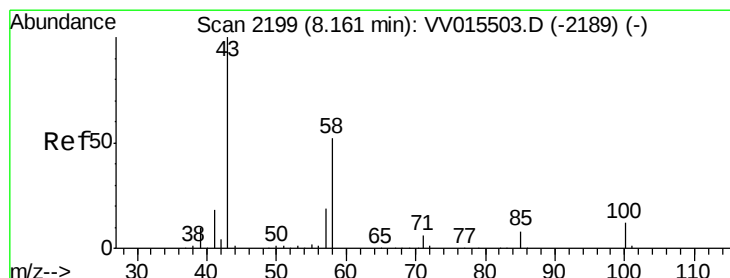
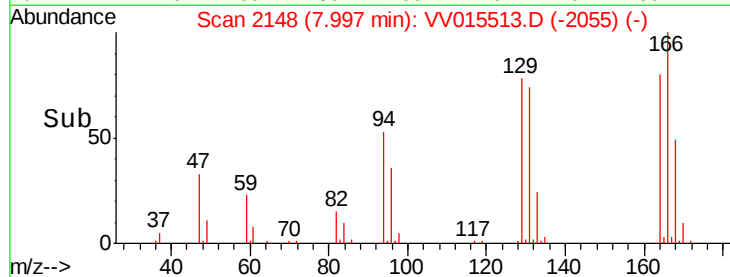
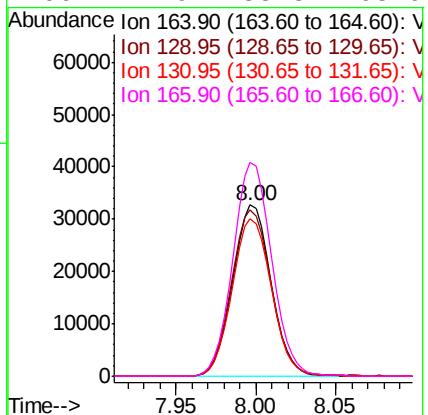
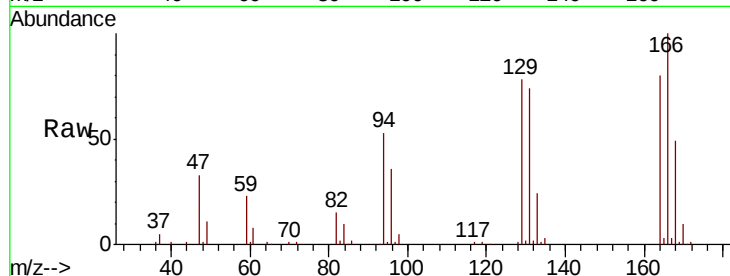




#47
Tetrachloroethene
Concen: 8.931 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015513.D
Acq: 15 Apr 2020 17:08

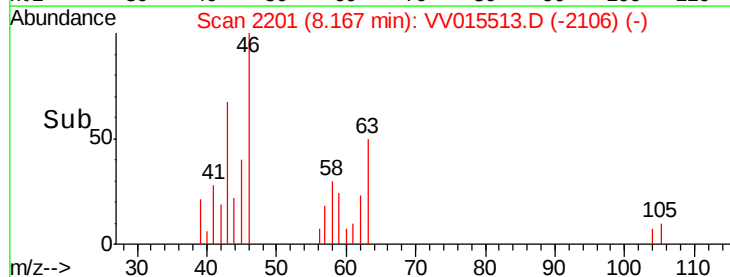
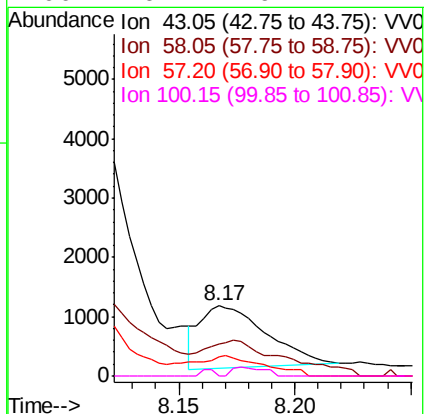
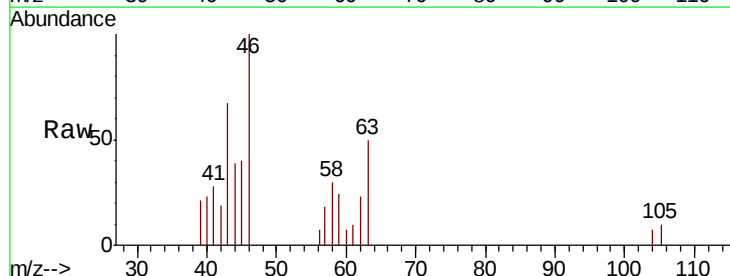
Instrument :
MSVOA_V
ClientSampleId :

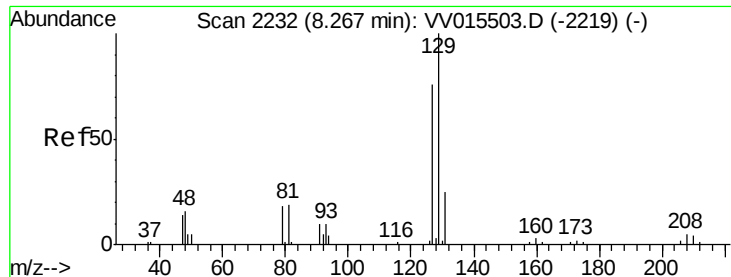
Tot Ion:164 Resp: 53354
Ion Ratio Lower Upper
164 100
129 97.5 70.6 131.0
131 92.2 68.3 126.8
166 124.9 88.3 163.9



#48
2-Hexanone
Concen: 0.605 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV015513.D
Acq: 15 Apr 2020 17:08

Tgt Ion: 43 Resp: 2061
Ion Ratio Lower Upper
43 100
58 70.6 41.4 62.0#
57 34.4 15.0 22.4#
100 6.7 9.4 14.2#





#49

Dibromochloromethane

Concen: 8.773 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015513.D

Acq: 15 Apr 2020 17:08

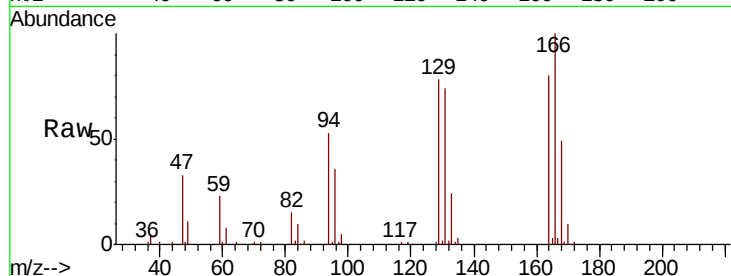
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:129 Resp: 52491

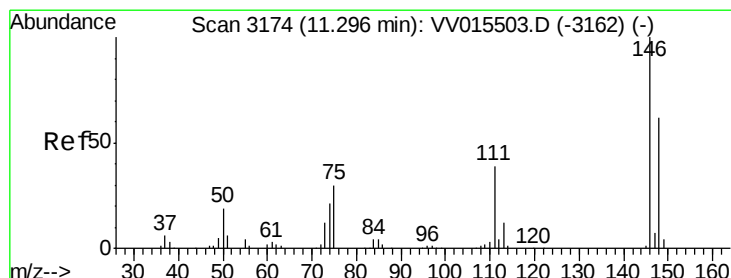
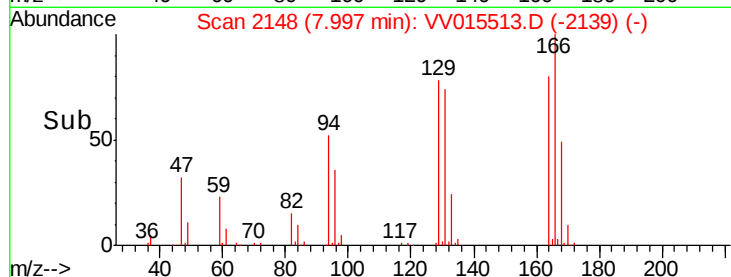
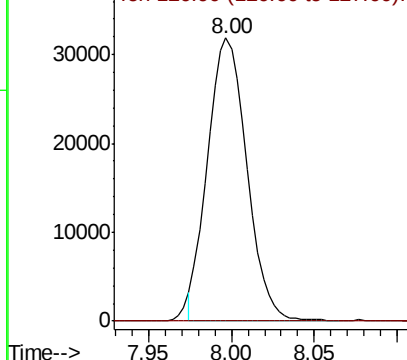
Ion Ratio Lower Upper

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



#63

1,4-Dichlorobenzene

Concen: 0.062 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015513.D

Acq: 15 Apr 2020 17:08

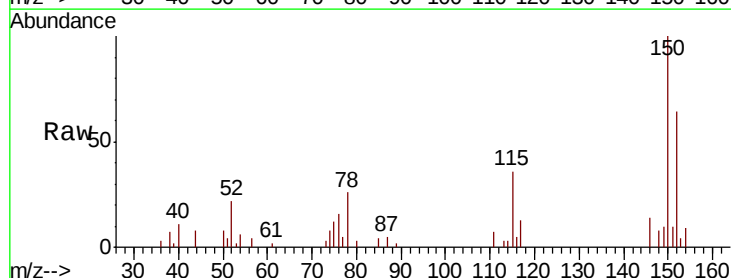
Tgt Ion:146 Resp: 1001

Ion Ratio Lower Upper

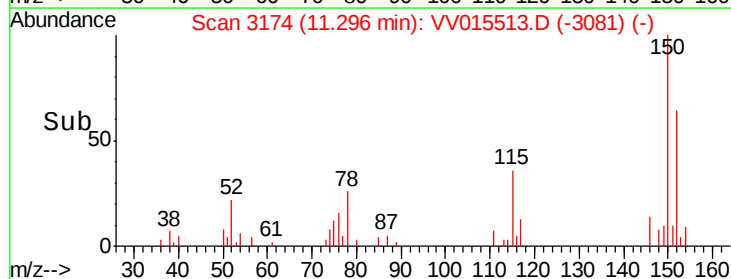
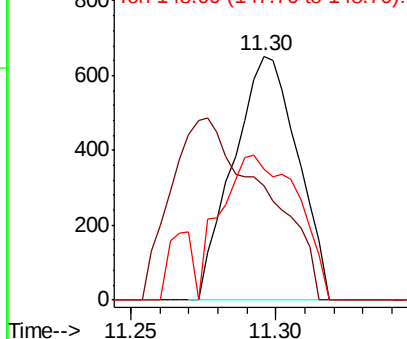
146 100

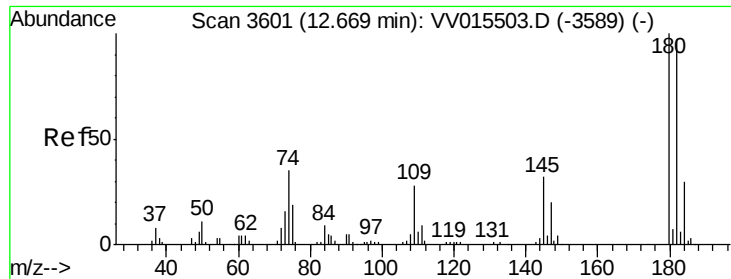
111 47.0 29.4 54.6

148 53.8 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

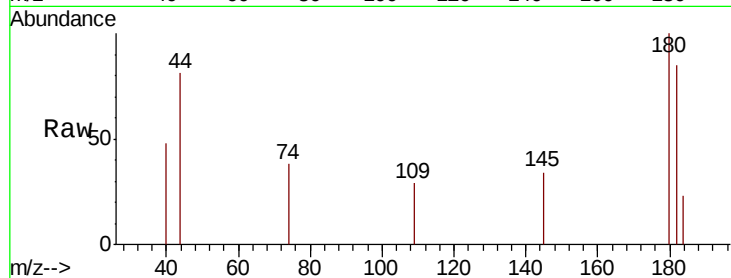




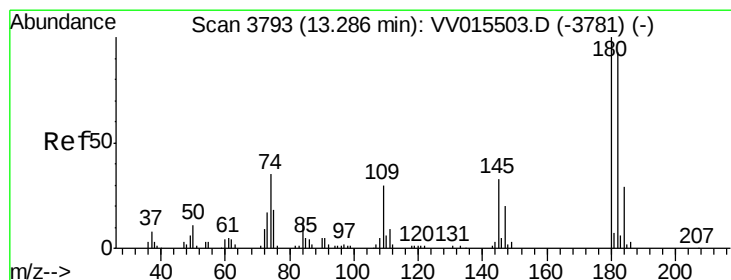
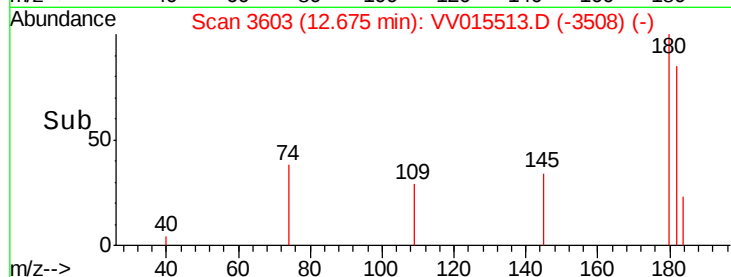
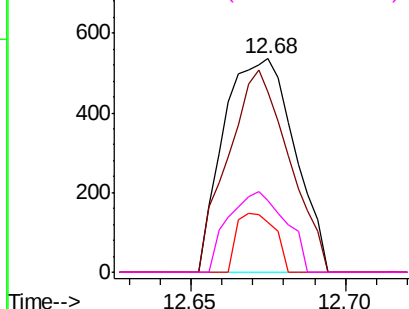
#67
 1,3,5-Trichlorobenzene
 Concen: 0.074 ug/L
 RT: 12.68 min Scan# 3603
 Delta R.T. 0.01 min
 Lab File: VV015513.D
 Acq: 15 Apr 2020 17:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 853
 Ion Ratio Lower Upper
 180 100
 182 81.8 76.9 115.3
 184 14.8 24.0 36.0#
 145 30.5 26.1 39.1

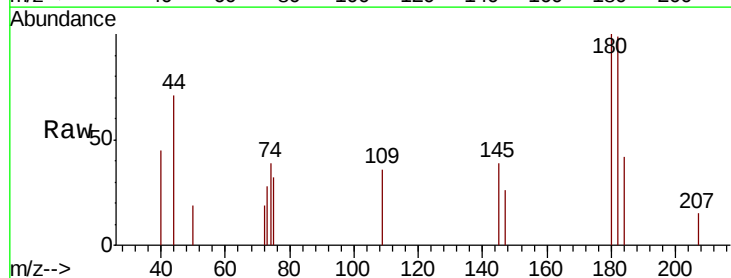


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

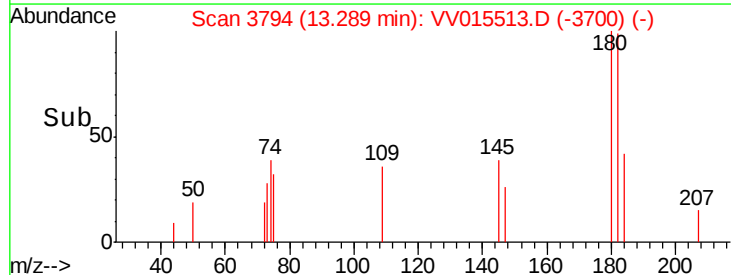
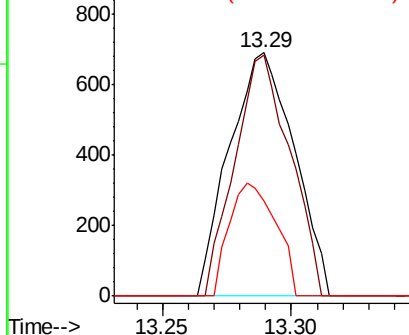


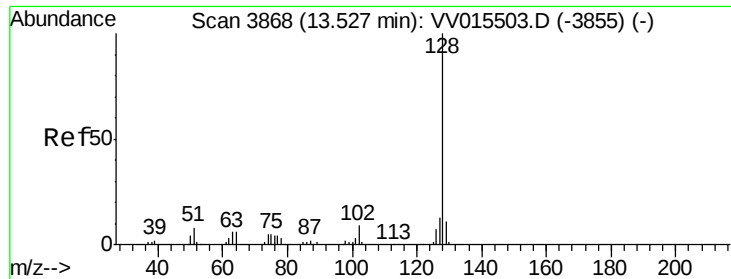
#68
 1,2,4-trichlorobenzene
 Concen: 0.117 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015513.D
 Acq: 15 Apr 2020 17:08

Tgt Ion:180 Resp: 1211
 Ion Ratio Lower Upper
 180 100
 182 84.7 76.6 115.0
 145 33.6 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.181 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV015513.D

Acq: 15 Apr 2020 17:08

Instrument :

MSVOA_V

ClientSampleId :

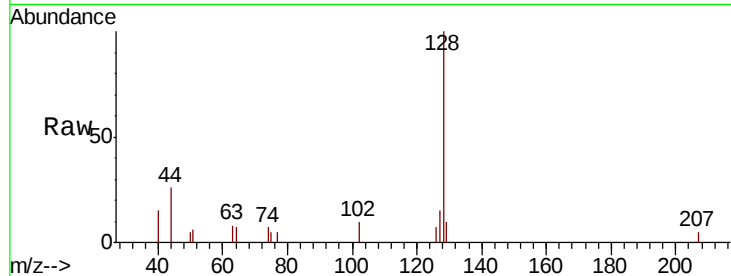
Tot Ion:128 Resp: 3526

Ion Ratio Lower Upper

128 100

129 8.7 8.6 13.0

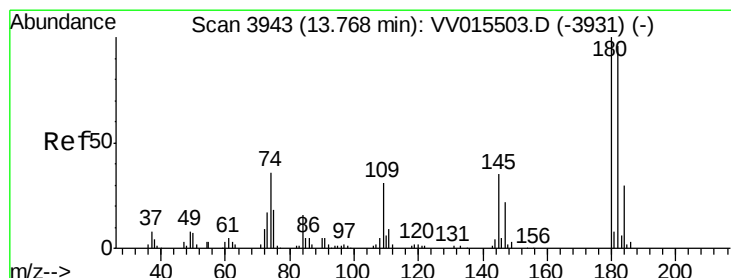
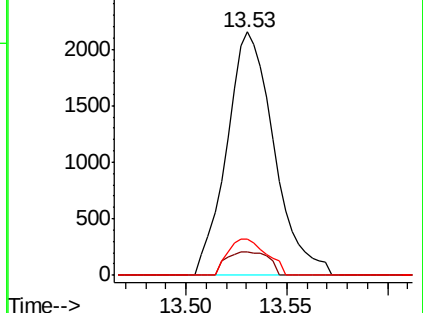
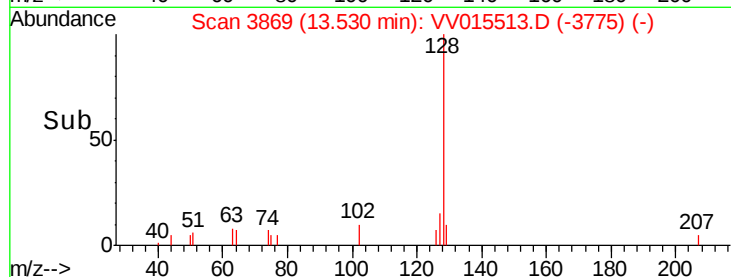
127 12.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.117 ug/L

RT: 13.77 min Scan# 3945

Delta R.T. 0.01 min

Lab File: VV015513.D

Acq: 15 Apr 2020 17:08

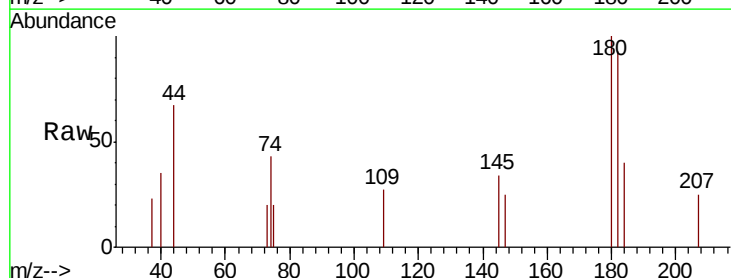
Tgt Ion:180 Resp: 1070

Ion Ratio Lower Upper

180 100

182 107.3 76.4 114.6

145 22.5 28.2 42.2#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

