

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\
 Data File : VV016411.D
 Acq On : 01 Jun 2020 14:54
 Operator : SY/MD
 Sample : L2780-16
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 02 01:17:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 01:13:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	55338	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	52338	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	22625	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27739	5.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.60%
7) Chloroethane-d5	1.58	69	21838	5.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.60%
11) 1,1-Dichloroethene-d2	2.12	63	47771	5.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	112.80%
20) 2-Butanone-d5	3.96	46	62182	59.49	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.98%
24) Chloroform-d	4.37	84	58440	7.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	142.60%#
26) 1,2-Dichloroethane-d4	5.06	65	31669	7.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	148.40%#
32) Benzene-d6	5.07	84	111914	7.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	150.40%#
36) 1,2-Dichloropropane-d6	6.09	67	34723	7.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	151.20%#
41) Toluene-d8	7.33	98	96044	7.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	141.20%#
45) trans-1,3-Dichloropropene-	7.64	79	11323	6.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	136.60%#
48) 2-Hexanone-d5	8.11	63	59498	77.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	154.40%#
59) 1,1,2,2-Tetrachloroethane-	10.24	84	24849	7.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	153.20%#
65) 1,2-Dichlorobenzene-d4	11.65	152	31950	7.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	152.20%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1414	0.256	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	511	0.136	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	11872	3.333	ug/L #	51
14) Carbon disulfide	2.31	76	560	0.052	ug/L #	76
19) 1,1-Dichloroethane	3.21	63	1402	0.188	ug/L #	83
25) Chloroform	4.40	83	1892	0.253	ug/L	86
29) 1,1,1-Trichloroethane	4.62	97	4655	0.754	ug/L	97
34) Trichloroethene	5.94	95	1223	0.301	ug/L	94
35) Methylcyclohexane	6.09	83	8456	1.292	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	4264	1.088	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	992	0.192	ug/L #	43
46) trans-1,3-Dichloropropene	7.64	75	556	0.130	ug/L #	71
49) Tetrachloroethene	7.99	164	2113	0.709	ug/L	99
50) 2-Hexanone	8.11	43	8119	4.919	ug/L #	67
51) Dibromochloromethane	7.99	129	1934	0.738	ug/L #	9
70) Naphthalene	13.52	128	2345	0.227	ug/L	95

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Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jun 02 01:17:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 02 01:13:11 2020
Response via : Initial Calibration

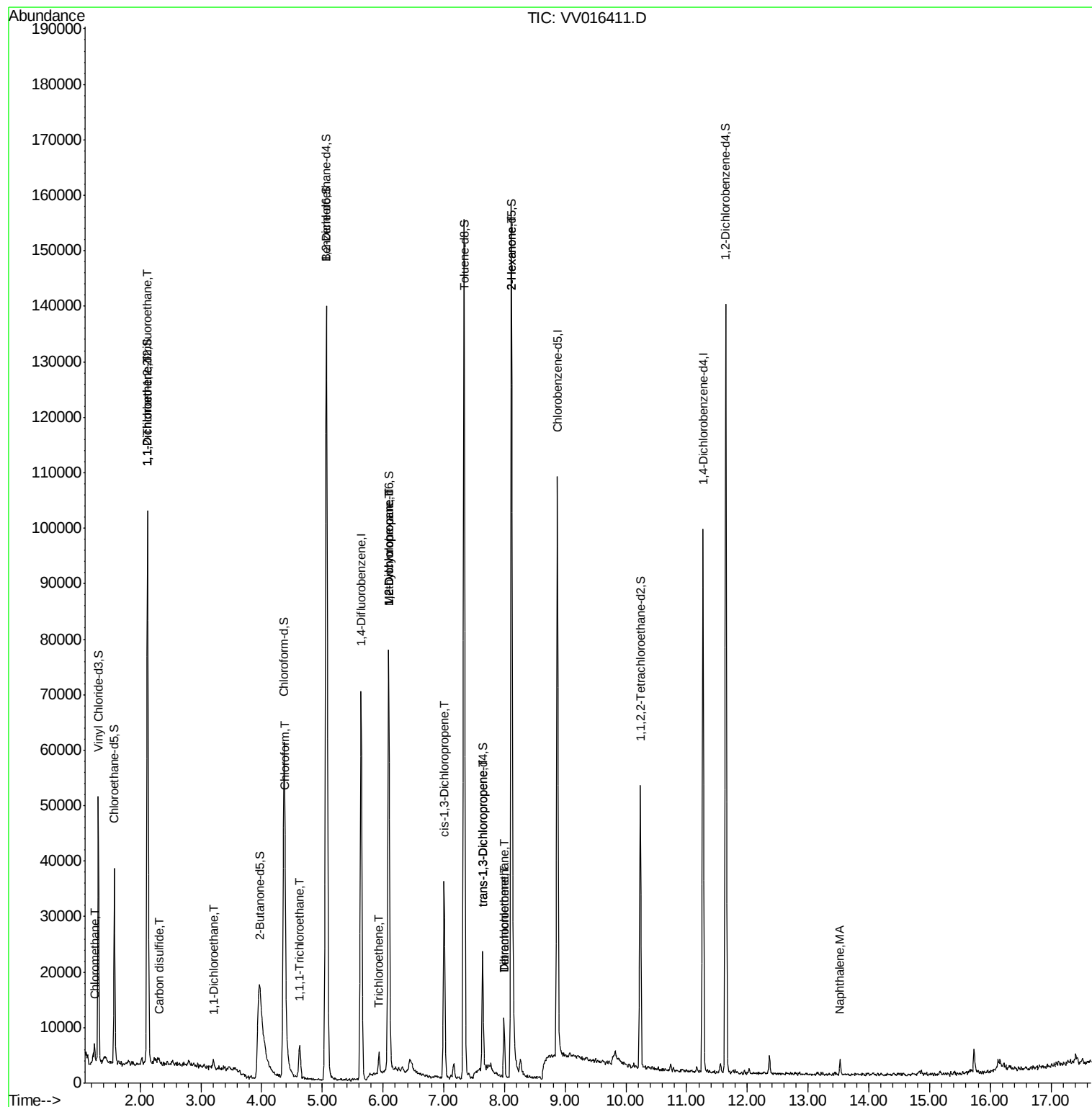
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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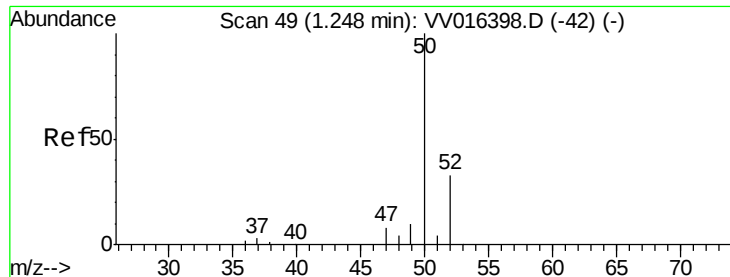
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 02 01:13:11 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.256 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016411.D

Acq: 01 Jun 2020 14:54

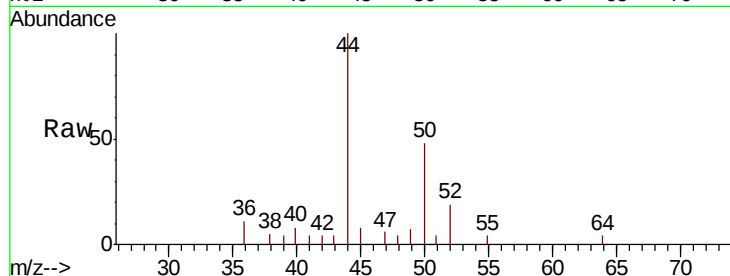
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 1414

Ion Ratio Lower Upper

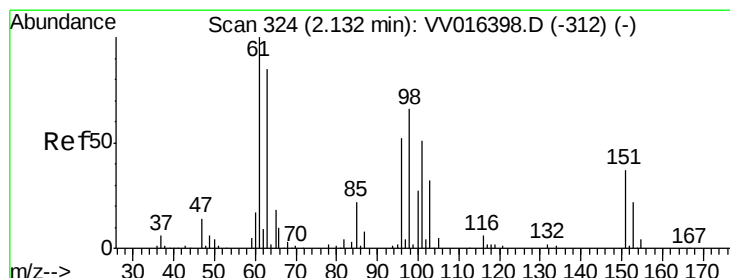
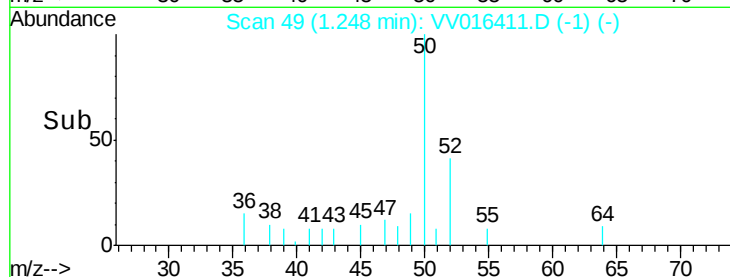
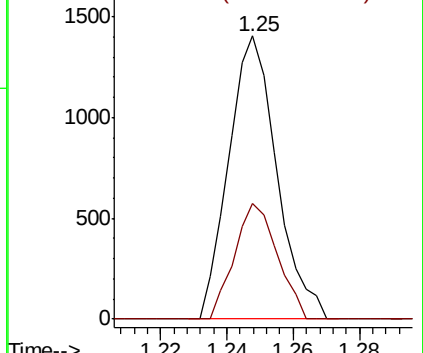
50 100

52 40.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV016411.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV016411.D (-1) (-)



#10

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

Concen: 0.136 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016411.D

Acq: 01 Jun 2020 14:54

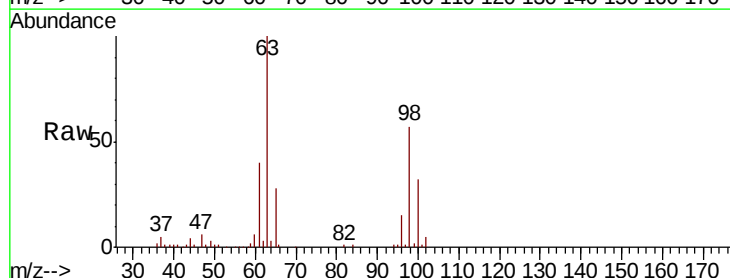
Tgt Ion: 101 Resp: 511

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

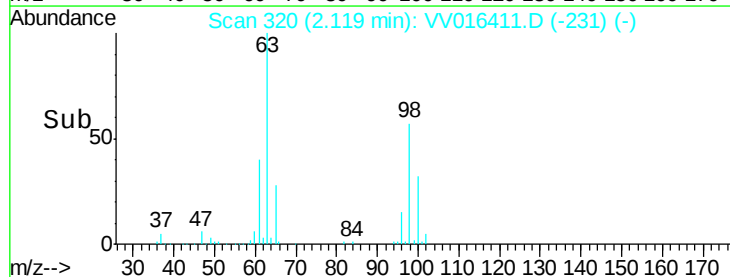
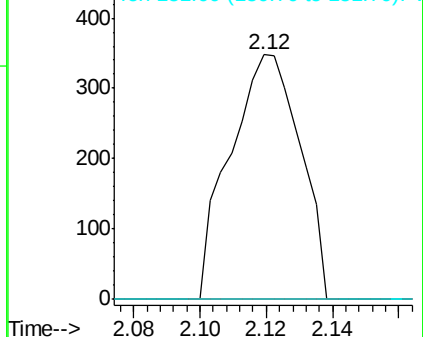
151 0.0 57.2 85.8#

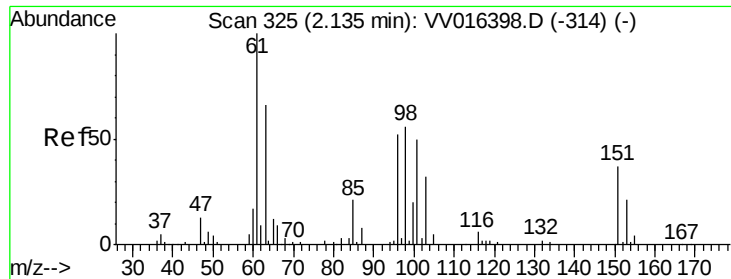


Abundance Ion 101.00 (100.70 to 101.70): VV016411.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV016411.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV016411.D (-231) (-)

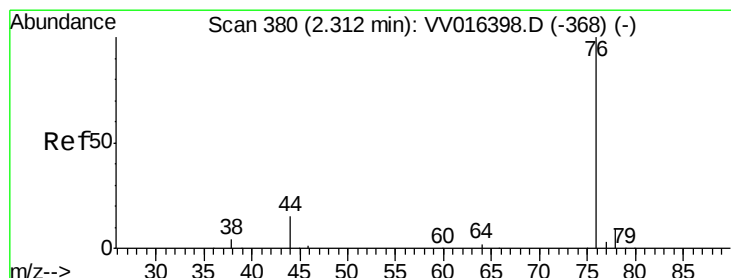
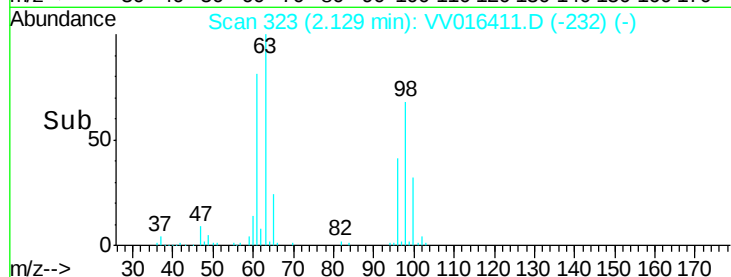
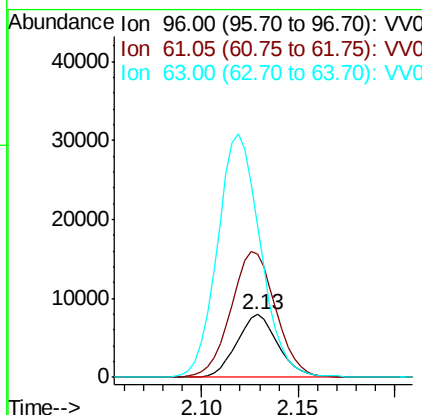
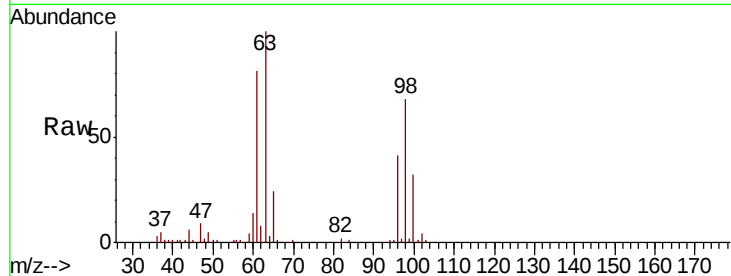




#12
 1,1-Dichloroethene
 Concen: 3.333 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV016411.D
 Acq: 01 Jun 2020 14:54

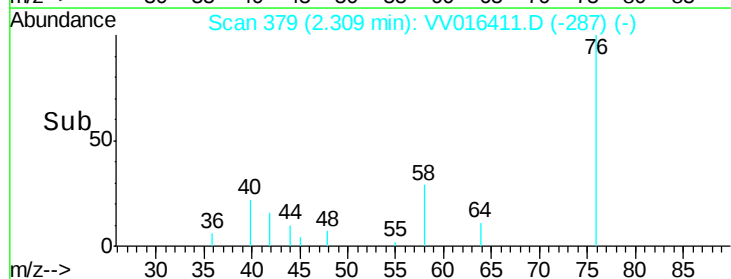
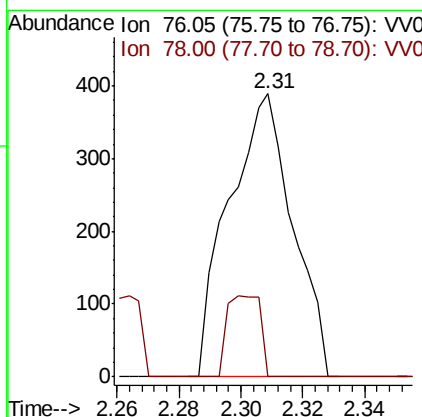
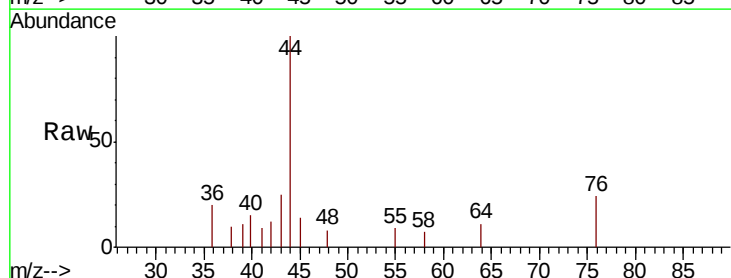
Instrument :
 MSVOA_V
 ClientSampled :

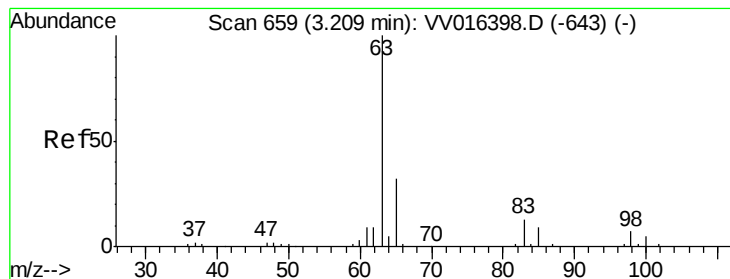
Tot Ion: 96 Resp: 11872
 Ion Ratio Lower Upper
 96 100
 61 196.2 125.4 233.0
 63 241.0 88.2 163.8#



#14
 Carbon disulfide
 Concen: 0.052 ug/L
 RT: 2.31 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VV016411.D
 Acq: 01 Jun 2020 14:54

Tgt Ion: 76 Resp: 560
 Ion Ratio Lower Upper
 76 100
 78 0.0 6.8 10.2#





#19

1,1-Dichloroethane

Concen: 0.188 ug/L

RT: 3.21 min Scan# 658

Delta R.T. -0.00 min

Lab File: VV016411.D

Acq: 01 Jun 2020 14:54

Instrument :

MSVOA_V

ClientSampleId :

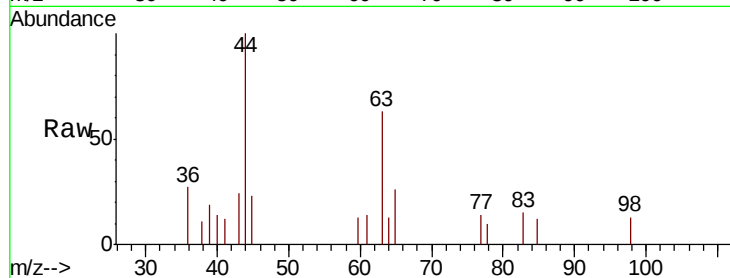
Tot Ion: 63 Resp: 1402

Ion Ratio Lower Upper

63 100

65 40.9 23.3 43.3

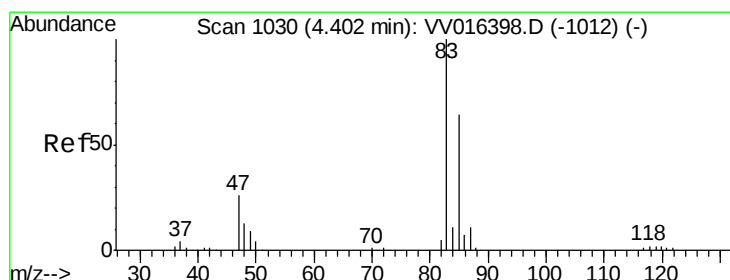
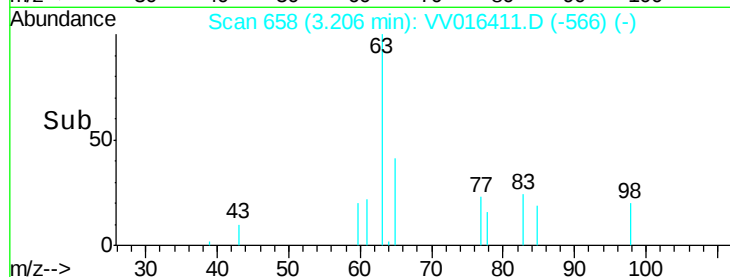
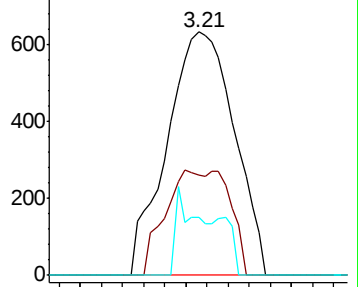
83 23.9 9.9 18.3#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#25

Chloroform

Concen: 0.253 ug/L

RT: 4.40 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VV016411.D

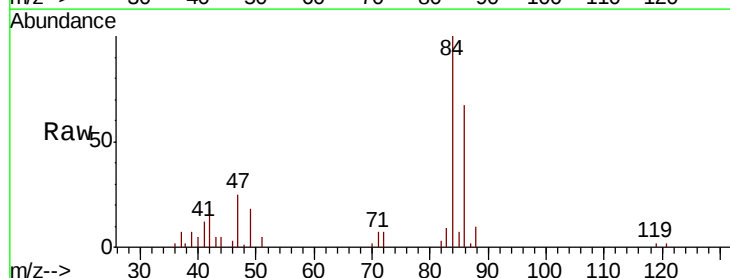
Acq: 01 Jun 2020 14:54

Tgt Ion: 83 Resp: 1892

Ion Ratio Lower Upper

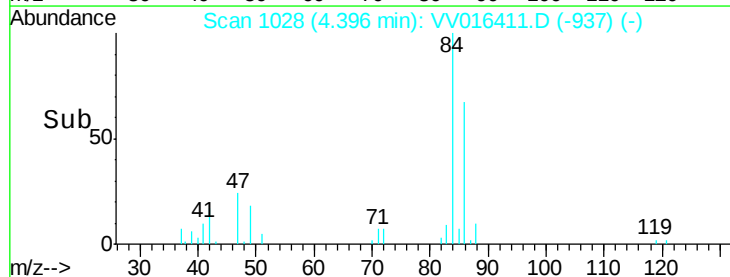
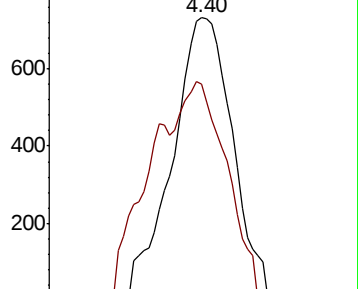
83 100

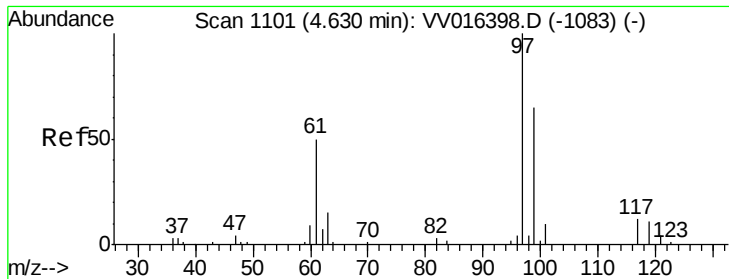
85 76.8 45.8 85.2



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

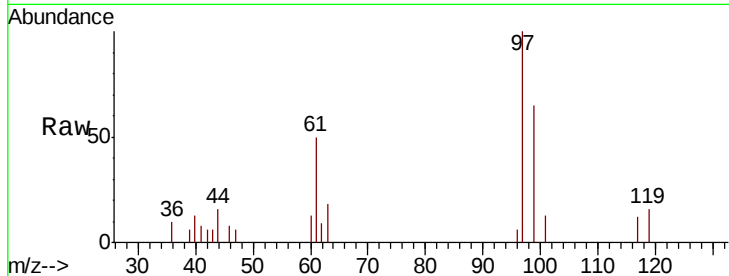




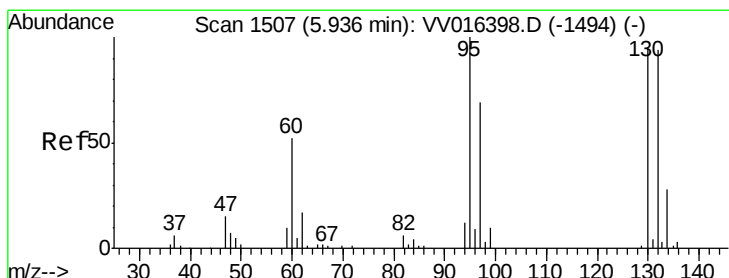
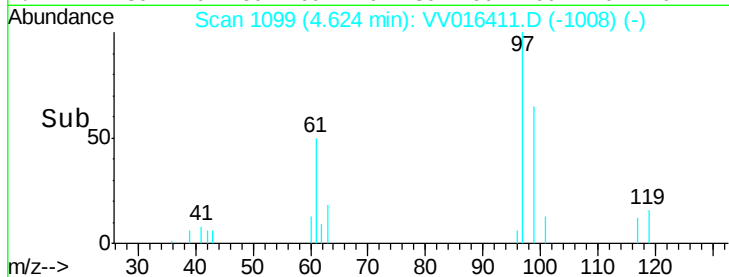
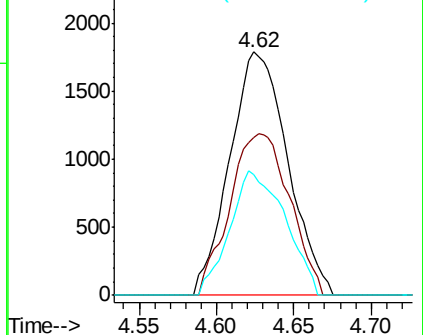
#29
1,1,1-Trichloroethane
Concen: 0.754 ug/L
RT: 4.62 min Scan# 1099
Delta R.T. -0.01 min
Lab File: VV016411.D
Acq: 01 Jun 2020 14:54

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 4655
Ion Ratio Lower Upper
97 100
99 68.4 52.0 78.0
61 48.7 39.8 59.6

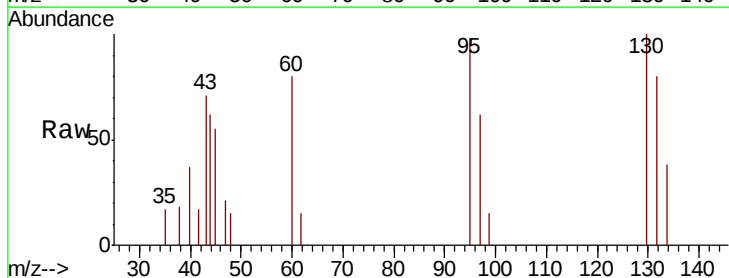


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

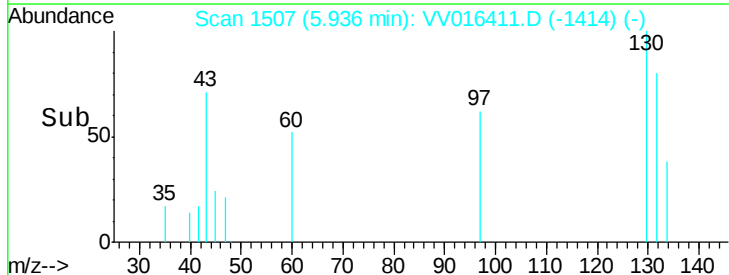
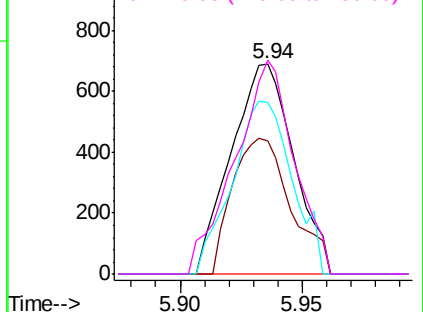


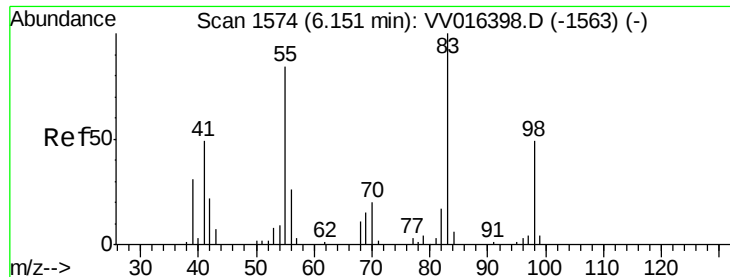
#34
Trichloroethene
Concen: 0.301 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VV016411.D
Acq: 01 Jun 2020 14:54

Tgt Ion: 95 Resp: 1223
Ion Ratio Lower Upper
95 100
97 63.5 42.6 79.0
132 81.6 59.6 110.8
130 101.7 64.8 120.4



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

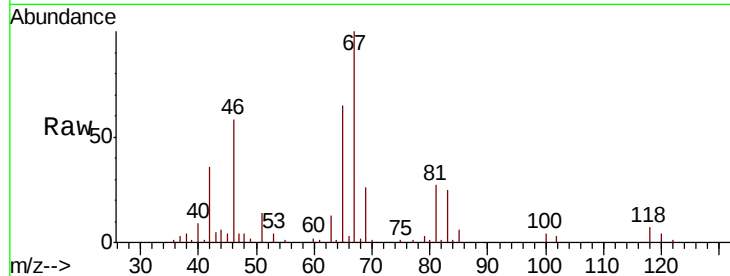




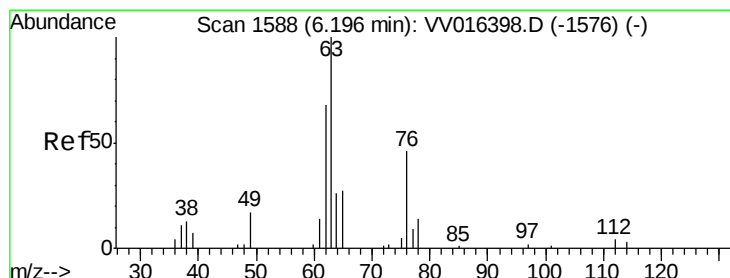
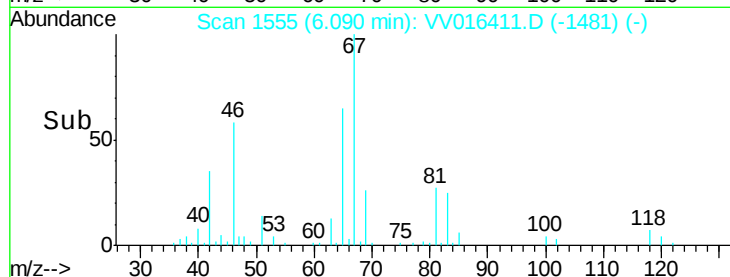
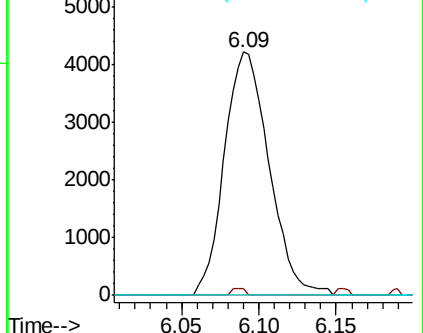
#35
Methvlcvclohexane
Concen: 1.292 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.06 min
Lab File: VV016411.D
Acq: 01 Jun 2020 14:54

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 8456
Ion Ratio Lower Upper
83 100
55 0.8 67.0 100.4#
98 0.5 39.0 58.4#

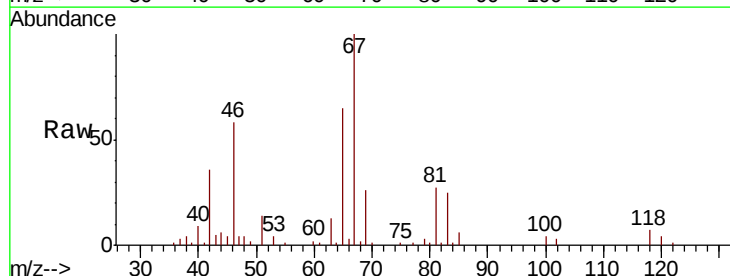


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

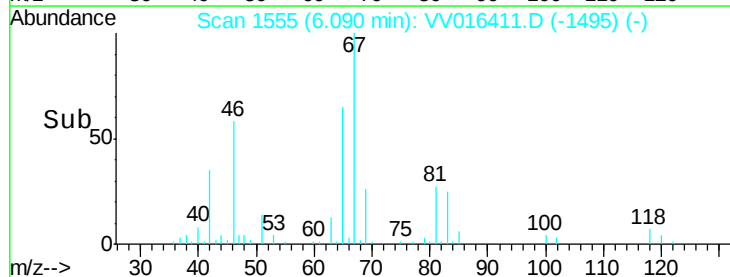
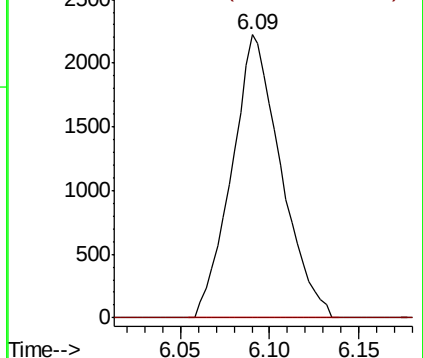


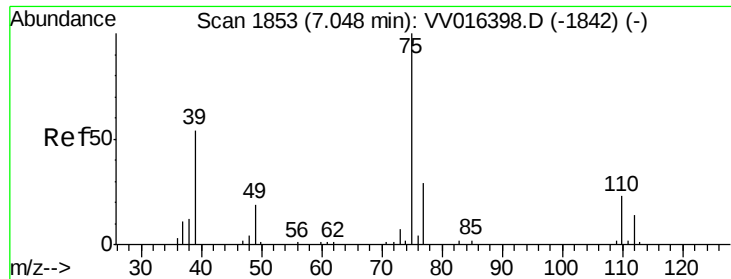
#37
1,2-Dichloropropane
Concen: 1.088 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.11 min
Lab File: VV016411.D
Acq: 01 Jun 2020 14:54

Tgt Ion: 63 Resp: 4264
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

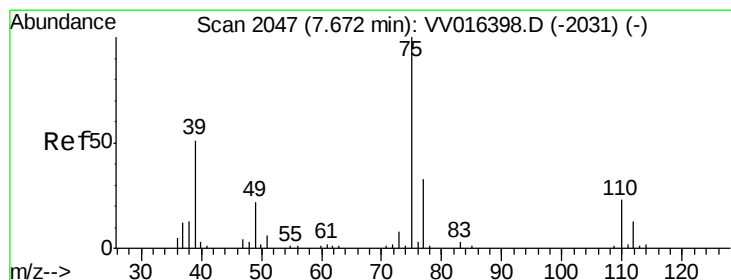
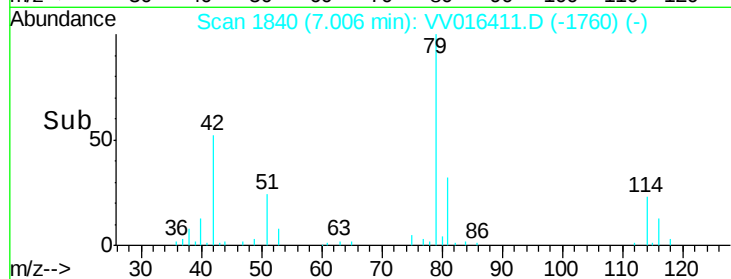
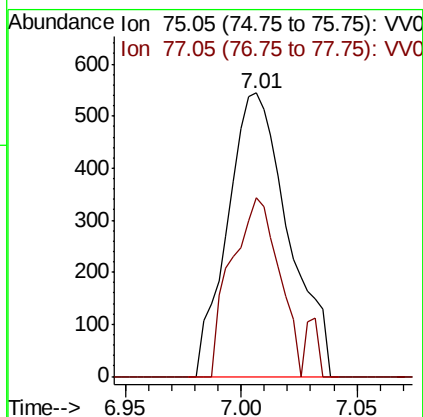
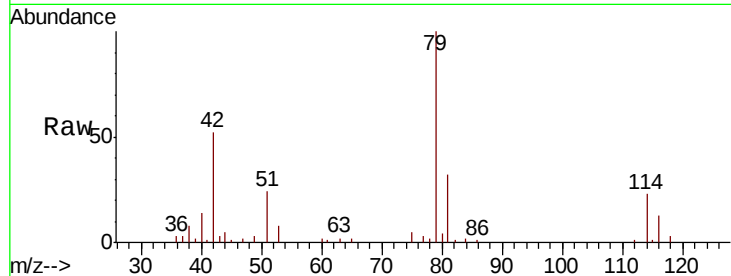




#39
 cis-1,3-Dichloropropene
 Concen: 0.192 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV016411.D
 Acq: 01 Jun 2020 14:54

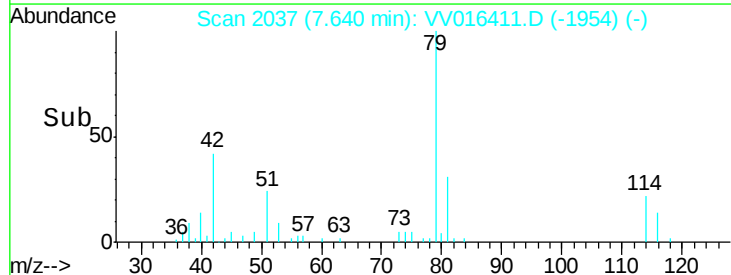
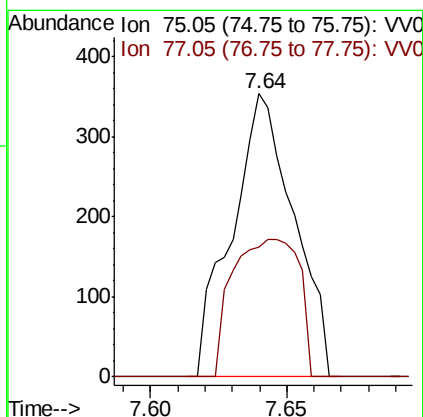
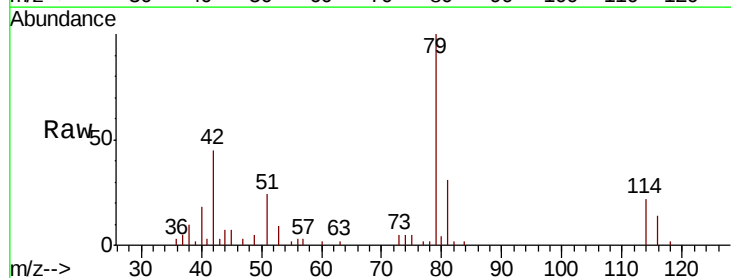
Instrument :
 MSVOA_V
 ClientSampled :

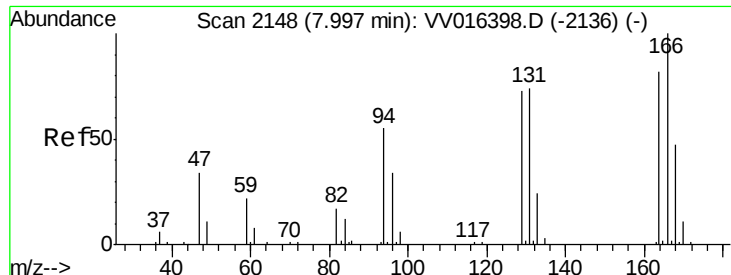
Tot Ion: 75 Resp: 992
 Ion Ratio Lower Upper
 75 100
 77 63.1 22.0 41.0#



#46
 trans-1,3-Dichloropropene
 Concen: 0.130 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. -0.03 min
 Lab File: VV016411.D
 Acq: 01 Jun 2020 14:54

Tgt Ion: 75 Resp: 556
 Ion Ratio Lower Upper
 75 100
 77 45.9 21.1 39.3#





#49

Tetrachloroethene

Concen: 0.709 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV016411.D

Acq: 01 Jun 2020 14:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 2113

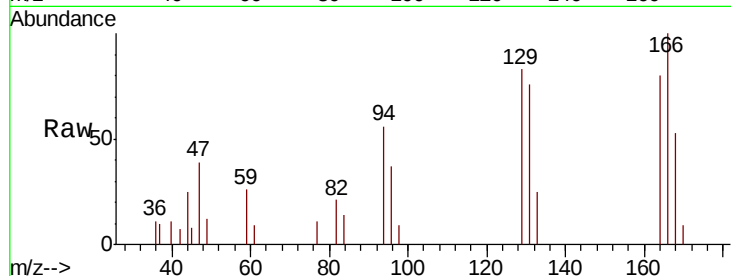
Ion Ratio Lower Upper

164 100

129 103.9 72.2 134.0

131 96.1 65.8 122.2

166 125.7 88.3 163.9

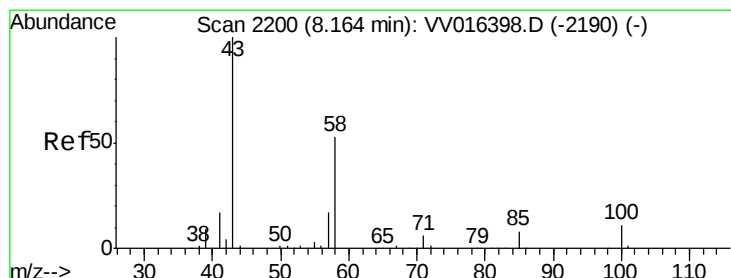
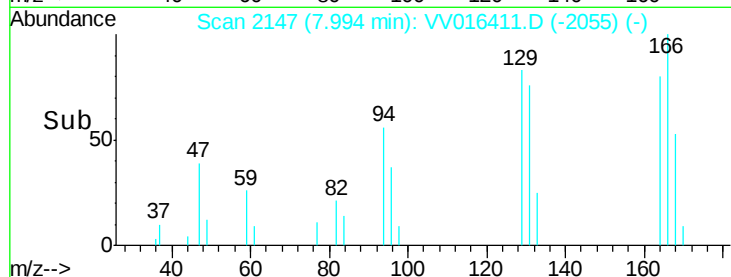
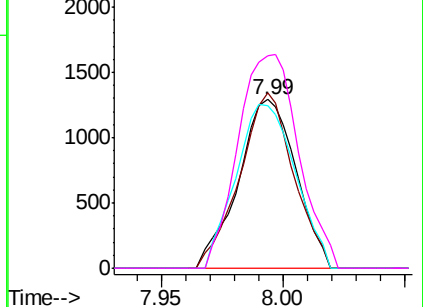


Abundance Ion 163.90 (163.60 to 164.60): V

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



#50

2-Hexanone

Concen: 4.919 ug/L

RT: 8.11 min Scan# 2184

Delta R.T. -0.05 min

Lab File: VV016411.D

Acq: 01 Jun 2020 14:54

Tgt Ion: 43 Resp: 8119

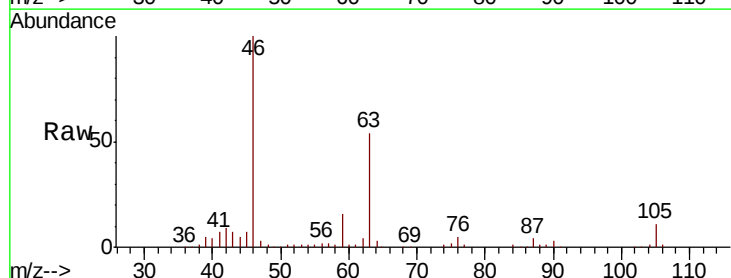
Ion Ratio Lower Upper

43 100

58 24.0 41.1 61.7#

57 26.5 14.2 21.4#

100 0.0 8.8 13.2#

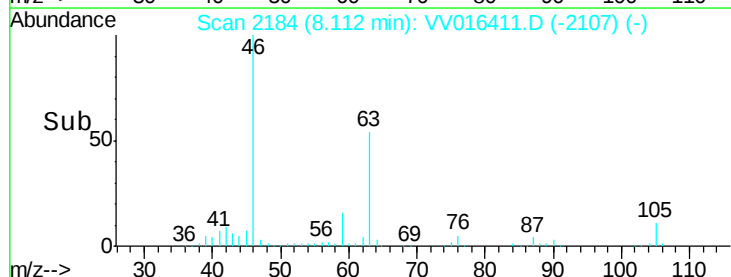
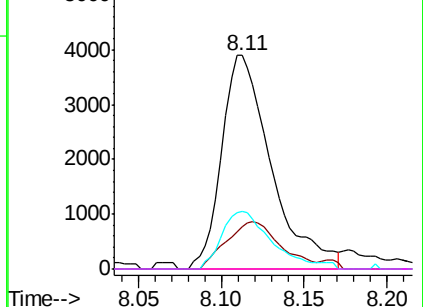


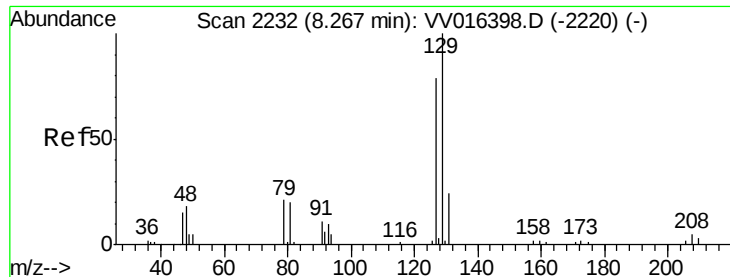
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#51

Dibromochloromethane

Concen: 0.738 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.27 min

Lab File: VV016411.D

Acq: 01 Jun 2020 14:54

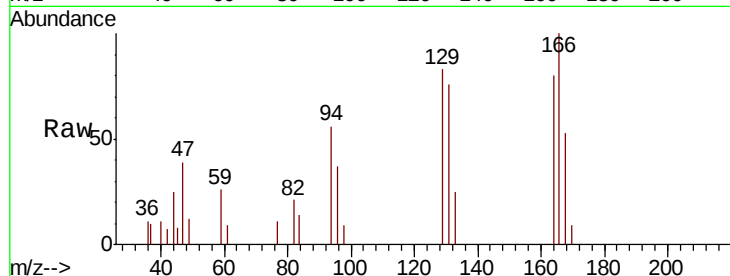
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:129 Resp: 1934

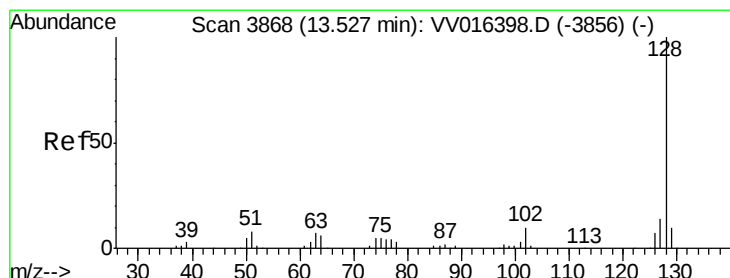
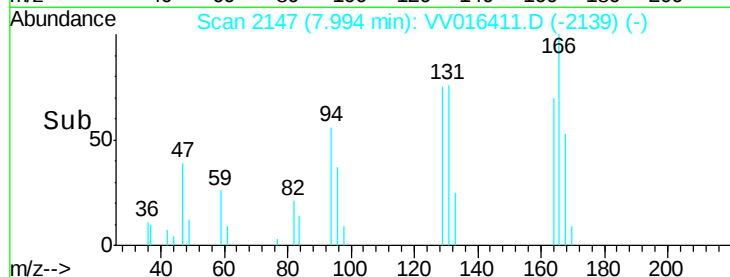
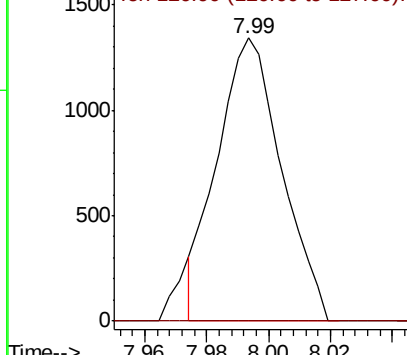
Ion Ratio Lower Upper

129 100

127 0.0 57.0 105.8#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#70

Naphthalene

Concen: 0.227 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016411.D

Acq: 01 Jun 2020 14:54

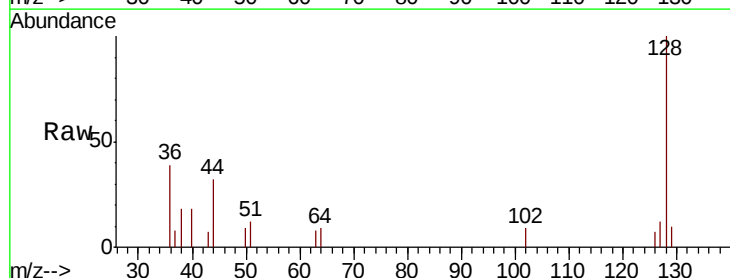
Tgt Ion:128 Resp: 2345

Ion Ratio Lower Upper

128 100

129 8.7 8.6 12.8

127 11.5 10.7 16.1



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

