

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\
 Data File : VV016419.D
 Acq On : 01 Jun 2020 18:33
 Operator : SY/MD
 Sample : L2780-16
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 02 01:18:57 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	90322	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	86679	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	38064	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26753	3.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.60%
7) Chloroethane-d5	1.58	69	21343	3.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.00%
11) 1,1-Dichloroethene-d2	2.13	63	65390	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	3.95	46	77875	45.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.28%
24) Chloroform-d	4.38	84	51095	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.40%
26) 1,2-Dichloroethane-d4	5.05	65	29649	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
32) Benzene-d6	5.07	84	101843	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	6.09	67	31807	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	7.33	98	85971	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
45) trans-1,3-Dichloropropene-	7.64	79	10039	3.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.20%
48) 2-Hexanone-d5	8.11	63	59938	46.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.92%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	23005	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	29508	4.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1090	0.121	ug/L #	72
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	510	0.083	ug/L #	30
12) 1,1-Dichloroethene	2.13	96	48973	8.425	ug/L	91
13) Acetone	2.22	43	2852	2.485	ug/L	98
19) 1,1-Dichloroethane	3.21	63	1802	0.148	ug/L	96
21) 2-Butanone	4.03	43	2113	1.249	ug/L #	76
25) Chloroform	4.40	83	3726	0.305	ug/L	95
29) 1,1,1-Trichloroethane	4.64	97	4377	0.428	ug/L	97
34) Trichloroethene	5.94	95	1096	0.163	ug/L	86
35) Methylcyclohexane	6.09	83	7830	0.722	ug/L #	15
37) 1,2-Dichloropropane	6.09	63	3846	0.593	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	854	0.100	ug/L #	53
46) trans-1,3-Dichloropropene	7.64	75	468	0.066	ug/L #	56
49) Tetrachloroethene	8.00	164	1967	0.399	ug/L	93
51) Dibromochloromethane	8.00	129	2035	0.469	ug/L #	9
70) Naphthalene	13.53	128	1588	0.091	ug/L #	83

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 02 01:13:11 2020
Response via : Initial Calibration

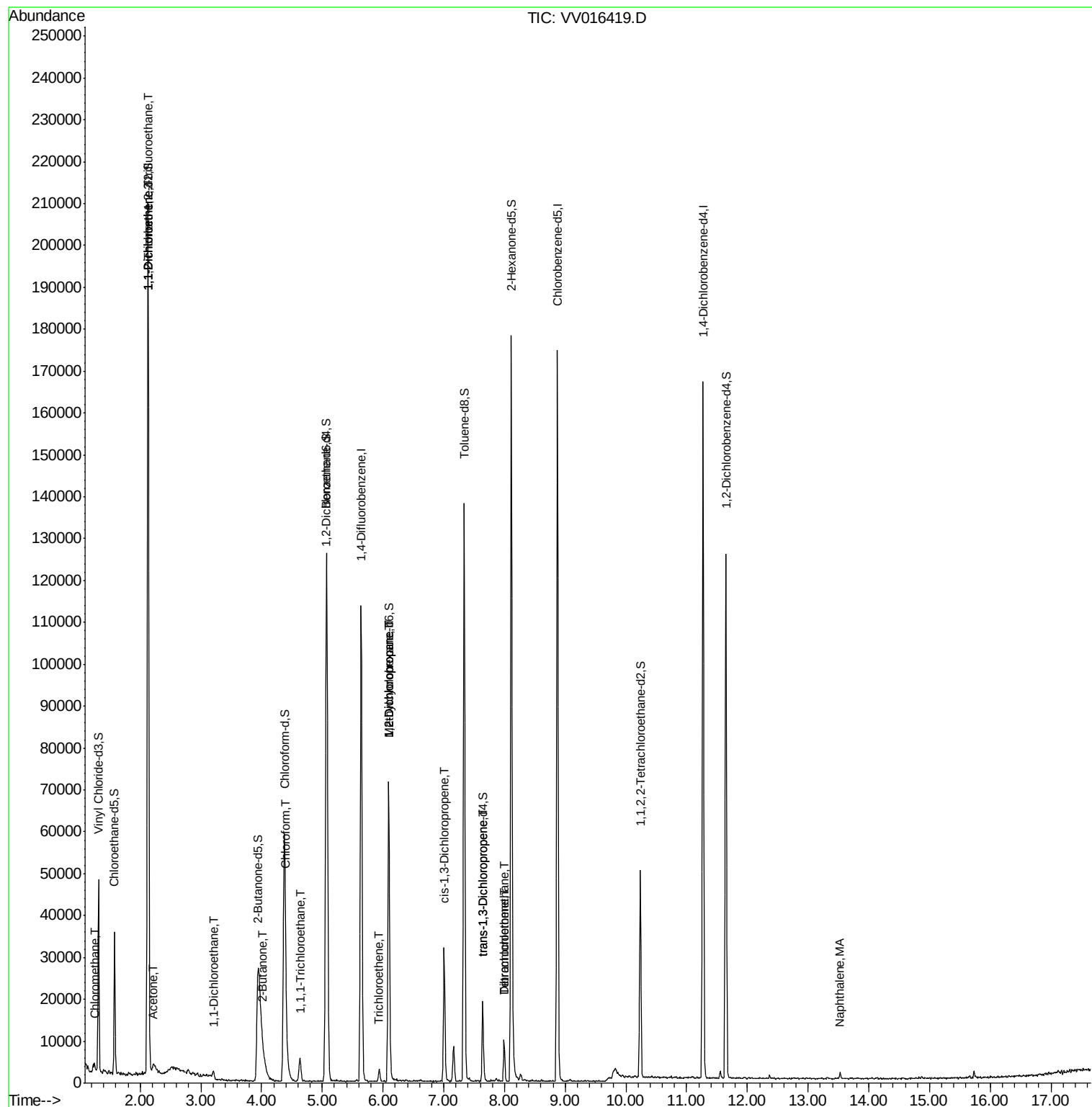
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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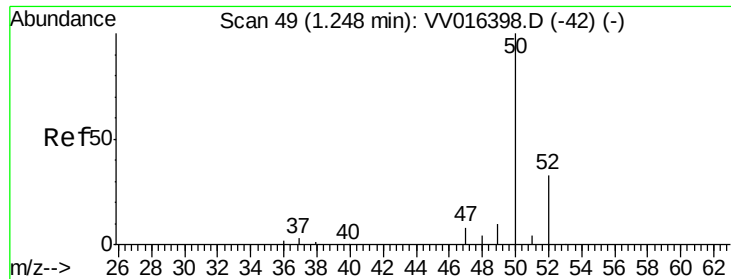
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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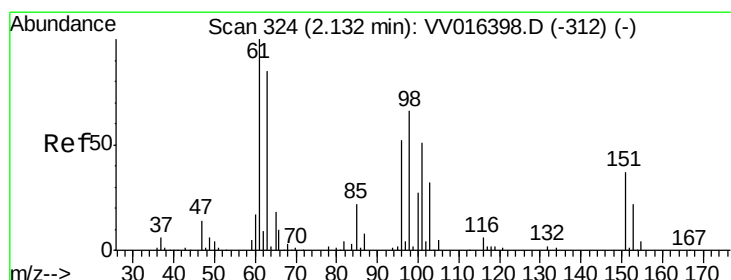
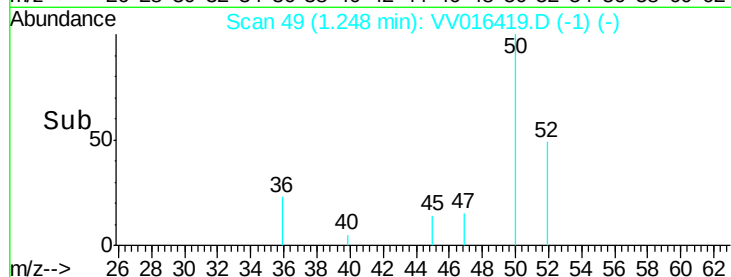
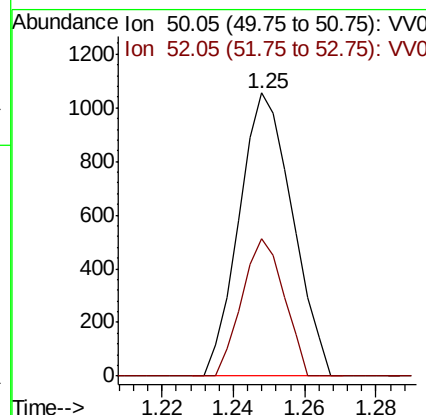
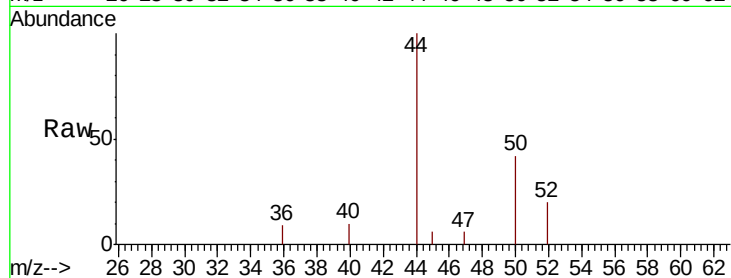




#3
 Chloromethane
 Concen: 0.121 ug/L
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV016419.D
 Acq: 01 Jun 2020 18:33

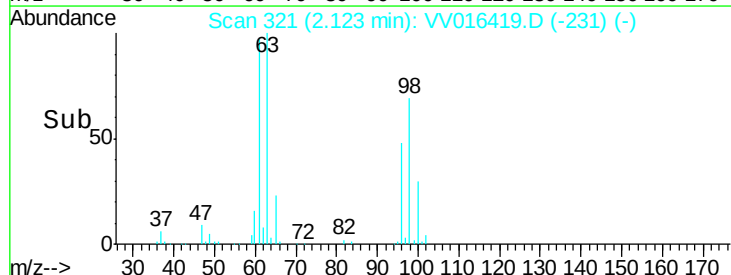
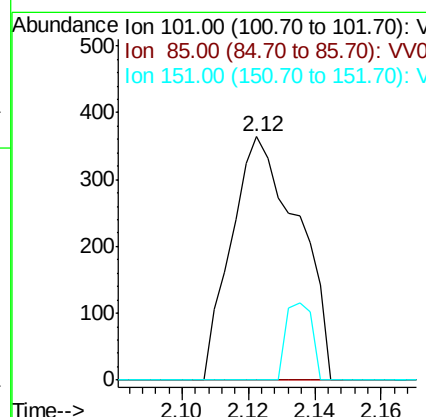
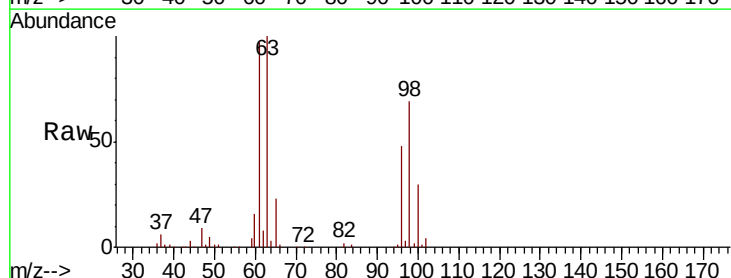
Instrument :
 MSVOA_V
 ClientSampleId :

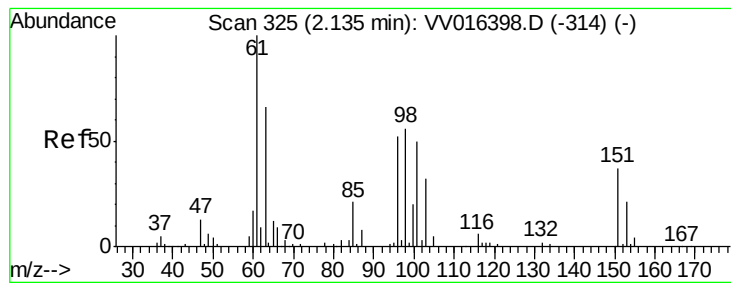
Tot Ion: 50 Resp: 1090
 Ion Ratio Lower Upper
 50 100
 52 48.6 23.1 42.9#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.083 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV016419.D
 Acq: 01 Jun 2020 18:33

Tgt Ion: 101 Resp: 510
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.7 53.5#
 151 12.4 57.2 85.8#





#12

1,1-Dichloroethene

Concen: 8.425 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016419.D

Acq: 01 Jun 2020 18:33

Instrument :

MSVOA_V

ClientSampled :

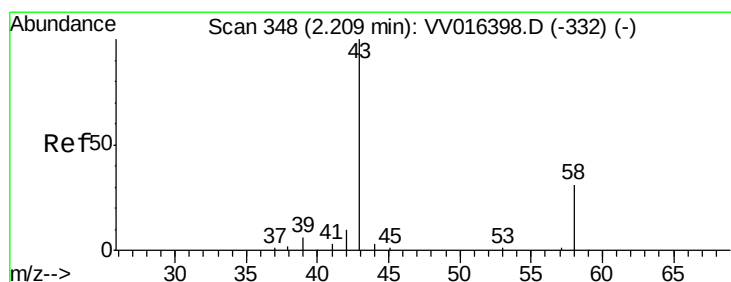
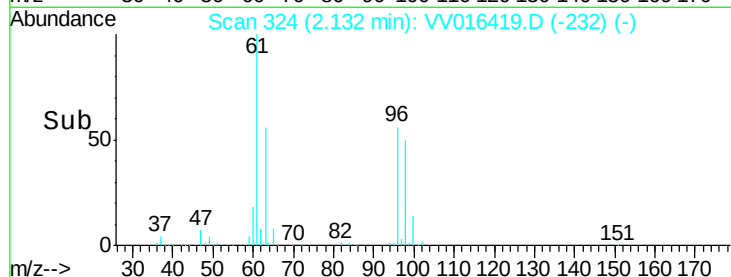
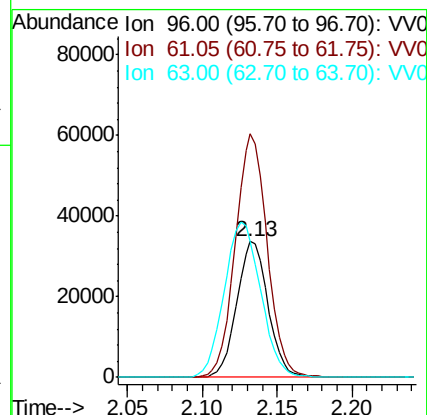
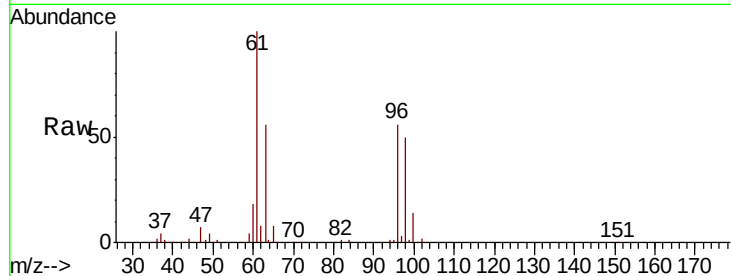
Tot Ion: 96 Resp: 48973

Ion Ratio Lower Upper

96 100

61 179.4 125.4 233.0

63 100.0 88.2 163.8



#13

Acetone

Concen: 2.485 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

Lab File: VV016419.D

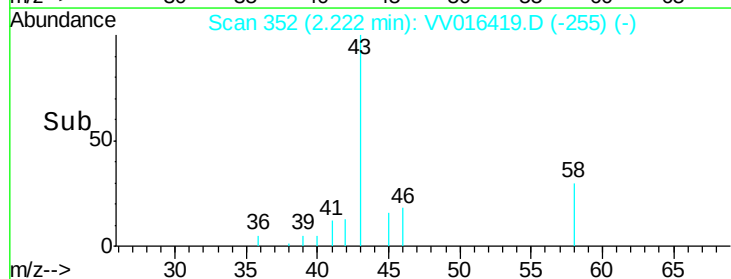
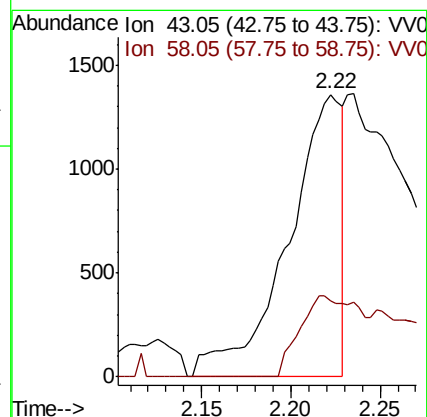
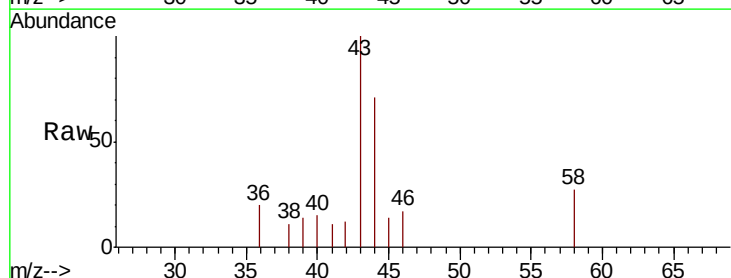
Acq: 01 Jun 2020 18:33

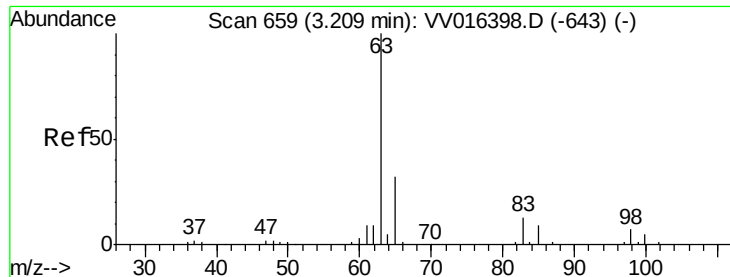
Tgt Ion: 43 Resp: 2852

Ion Ratio Lower Upper

43 100

58 30.6 0.0 59.2

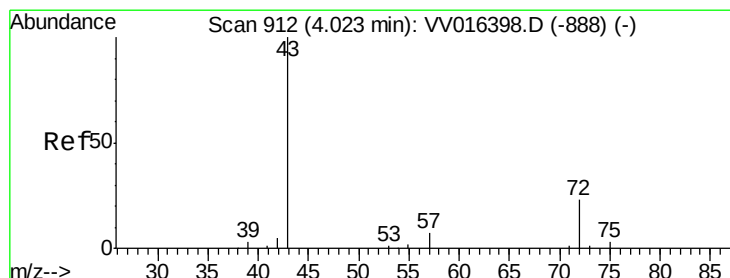
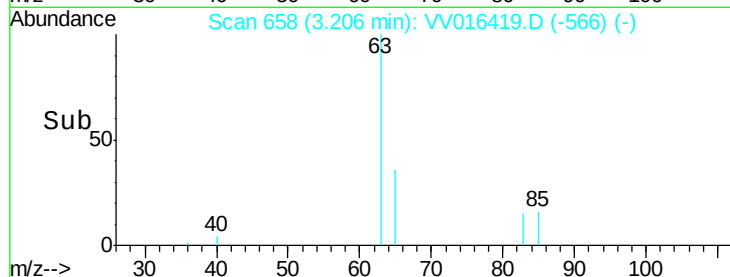
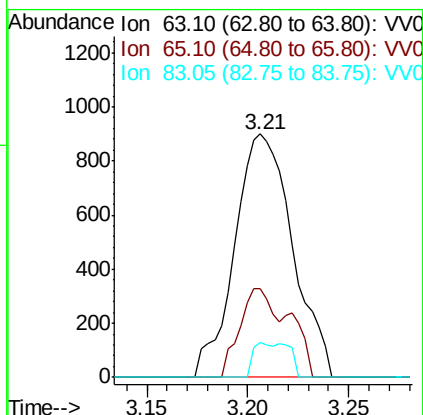
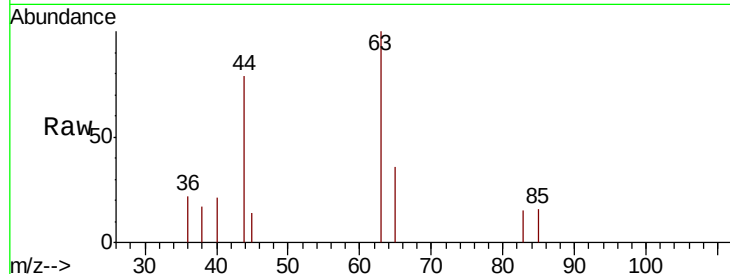




#19
 1,1-Dichloroethane
 Concen: 0.148 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV016419.D
 Acq: 01 Jun 2020 18:33

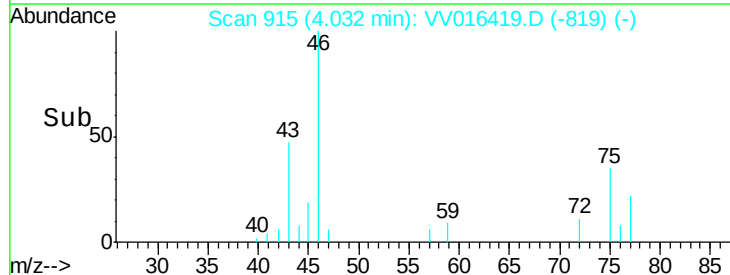
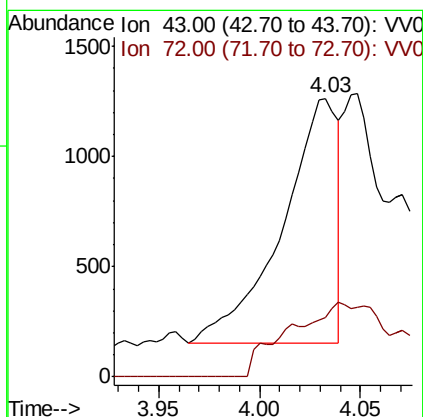
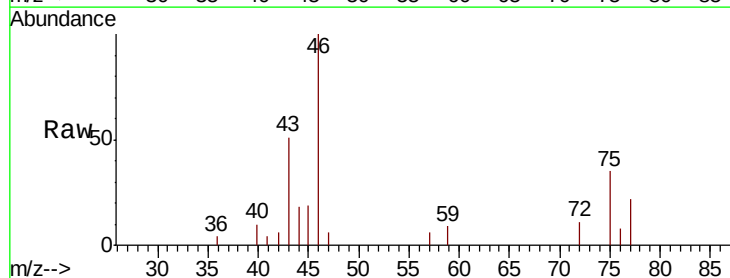
Instrument :
 MSVOA_V
 ClientSampleId :

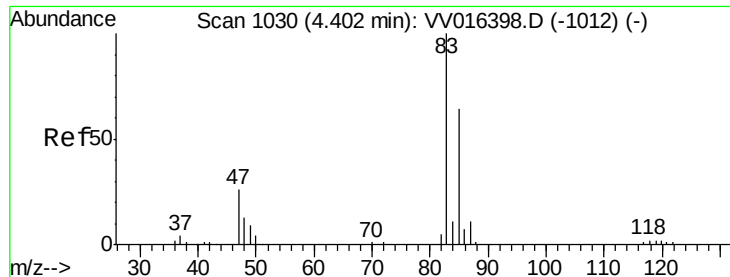
Tot Ion: 63 Resp: 1802
 Ion Ratio Lower Upper
 63 100
 65 36.4 23.3 43.3
 83 14.6 9.9 18.3



#21
 2-Butanone
 Concen: 1.249 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VV016419.D
 Acq: 01 Jun 2020 18:33

Tgt Ion: 43 Resp: 2113
 Ion Ratio Lower Upper
 43 100
 72 34.0 11.2 33.6#





#25

Chloroform

Concen: 0.305 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016419.D

Acq: 01 Jun 2020 18:33

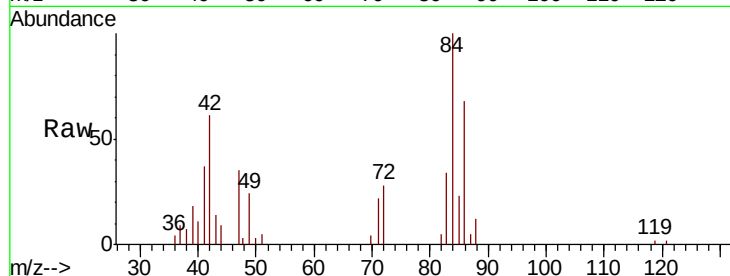
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 3726

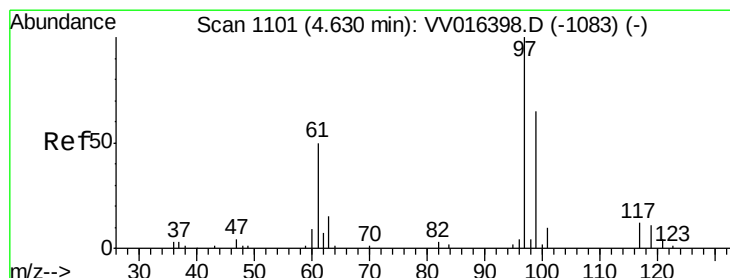
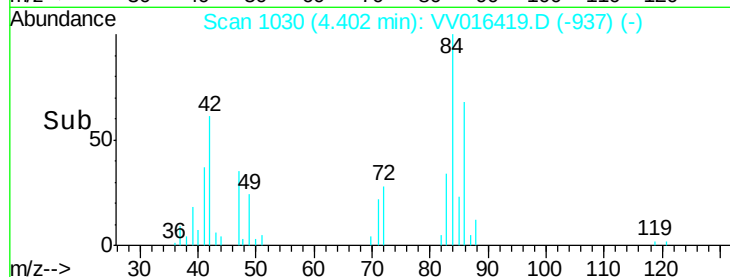
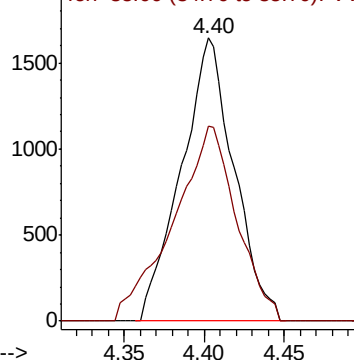
Ion Ratio Lower Upper

83 100

85 69.1 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: 0.428 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV016419.D

Acq: 01 Jun 2020 18:33

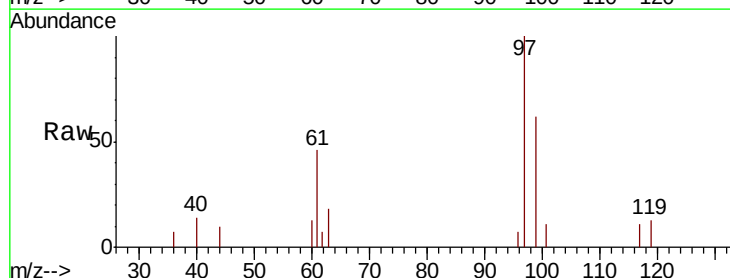
Tgt Ion: 97 Resp: 4377

Ion Ratio Lower Upper

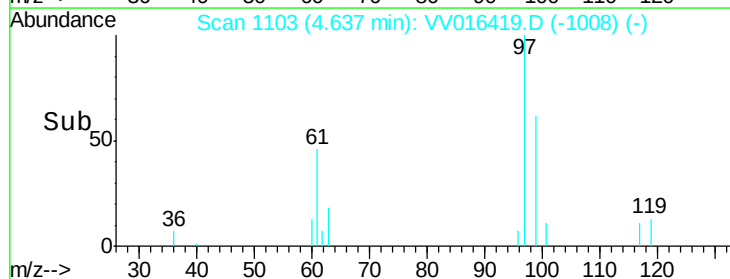
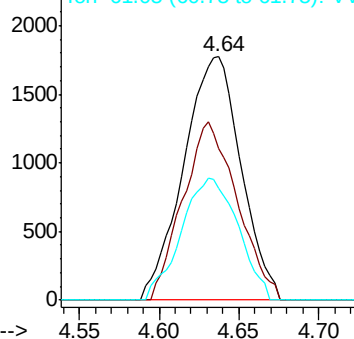
97 100

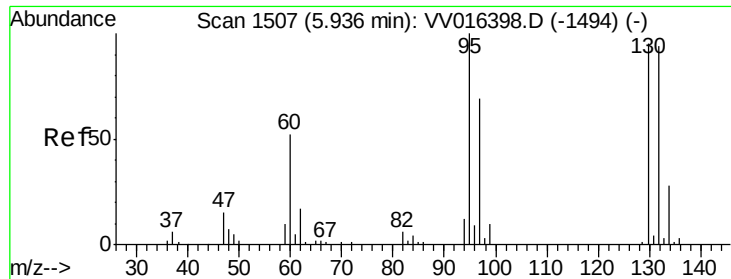
99 69.1 52.0 78.0

61 49.6 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: 0.163 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016419.D

Acq: 01 Jun 2020 18:33

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 1096

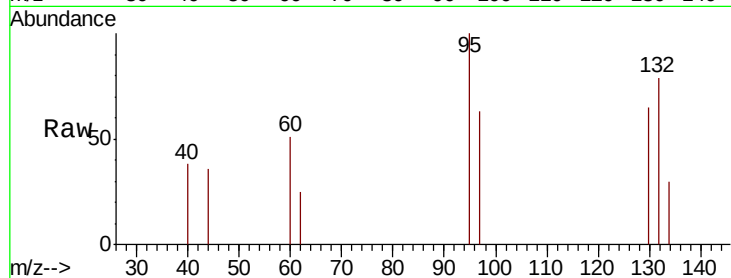
Ion Ratio Lower Upper

95 100

97 62.6 42.6 79.0

132 78.7 59.6 110.8

130 65.2 64.8 120.4

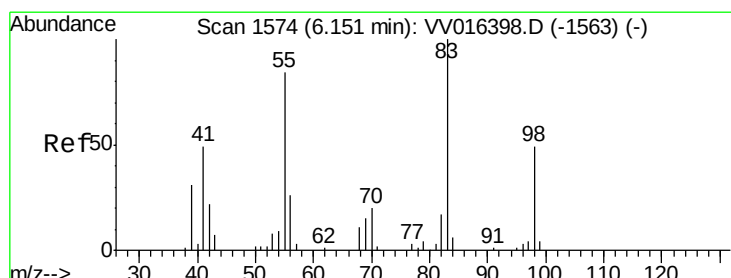
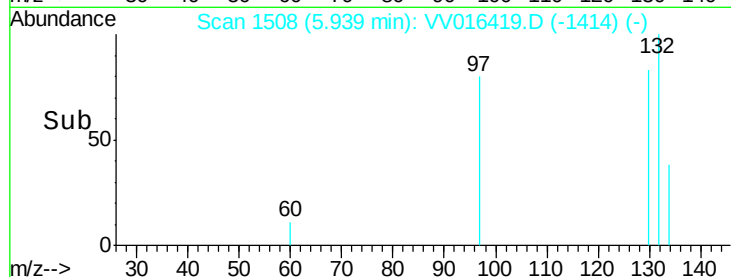
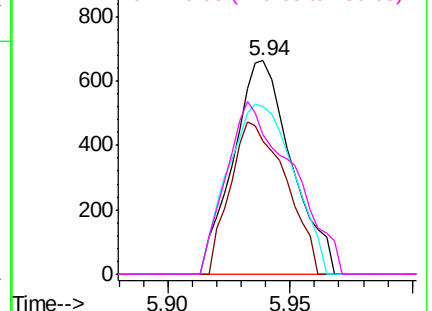


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 0.722 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV016419.D

Acq: 01 Jun 2020 18:33

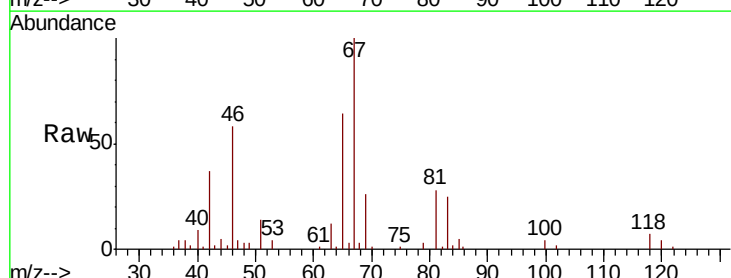
Tgt Ion: 83 Resp: 7830

Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.4#

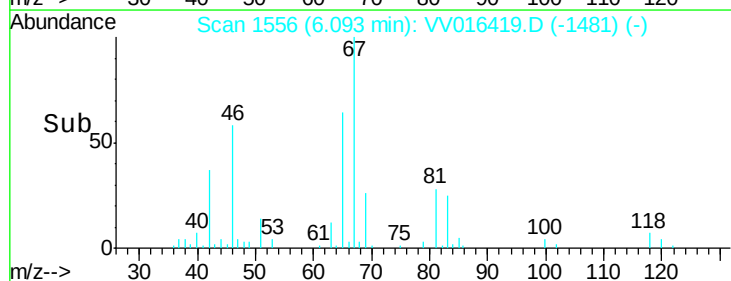
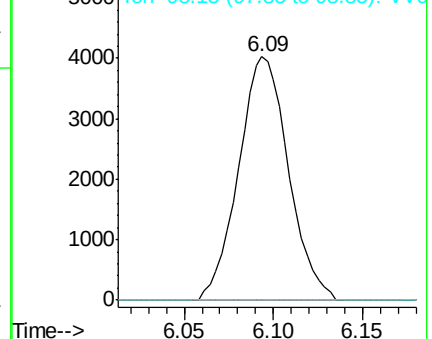
98 0.0 39.0 58.4#

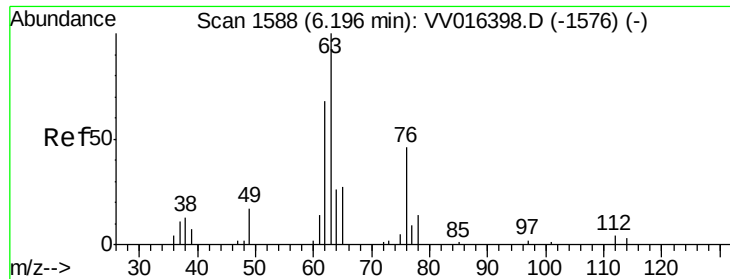


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

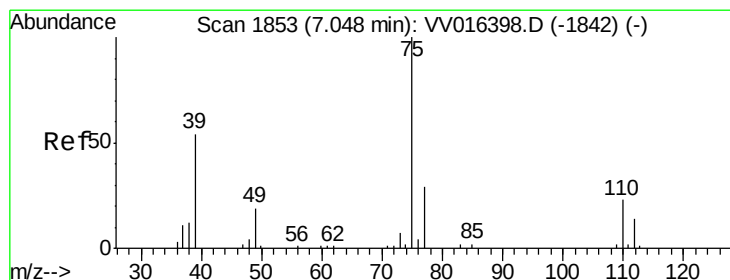
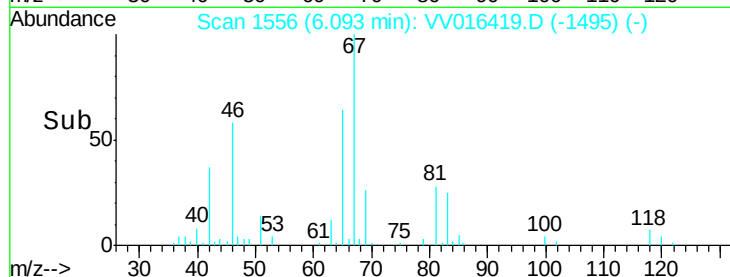
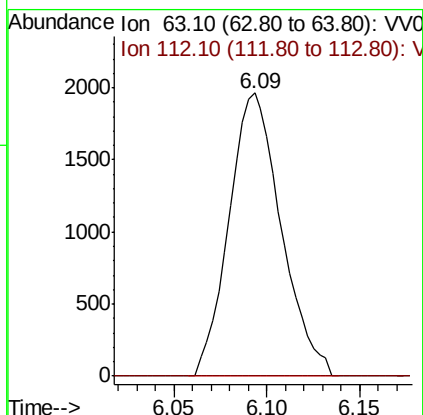
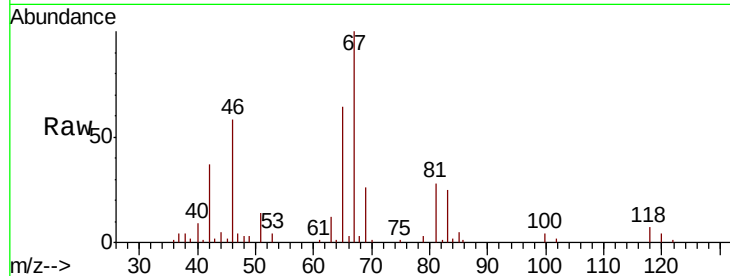




#37
 1,2-Dichloropropane
 Concen: 0.593 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV016419.D
 Acq: 01 Jun 2020 18:33

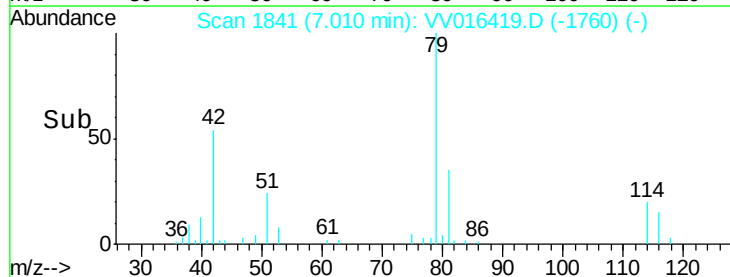
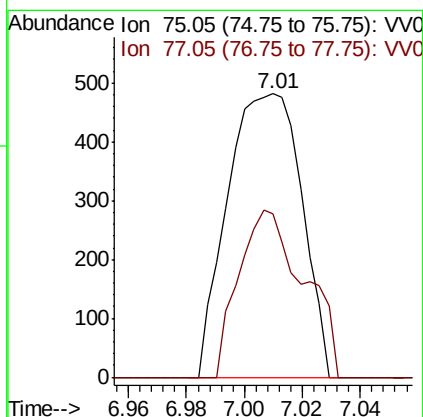
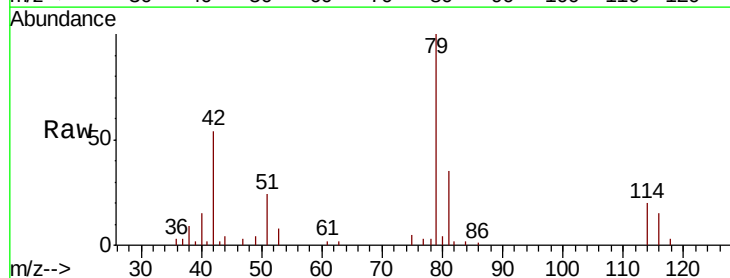
Instrument :
 MSVOA_V
 ClientSampled :

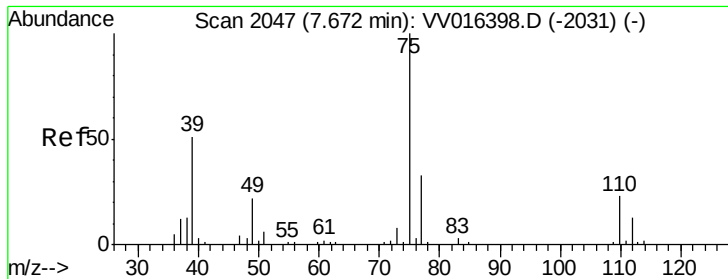
Tot Ion: 63 Resp: 3846
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016419.D
 Acq: 01 Jun 2020 18:33

Tgt Ion: 75 Resp: 854
 Ion Ratio Lower Upper
 75 100
 77 57.5 22.0 41.0#





#46

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016419.D

Acq: 01 Jun 2020 18:33

Instrument :

MSVOA_V

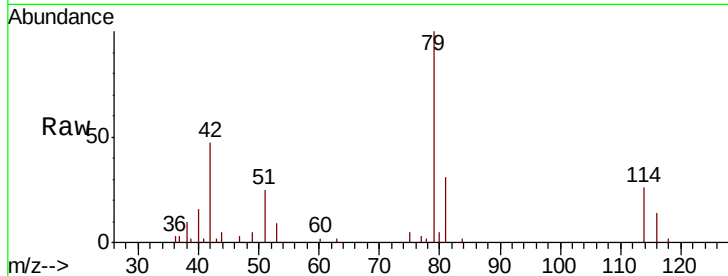
ClientSampleId :

Tot Ion: 75 Resp: 468

Ion Ratio Lower Upper

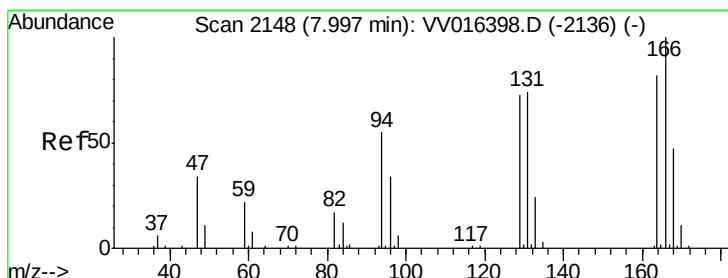
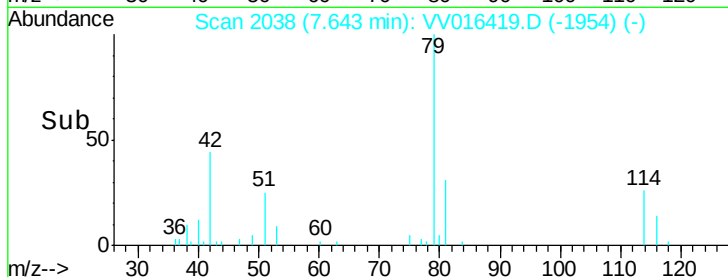
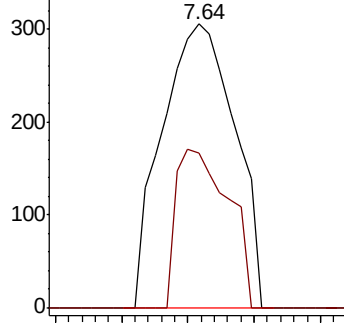
75 100

77 54.2 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#49

Tetrachloroethene

Concen: 0.399 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016419.D

Acq: 01 Jun 2020 18:33

Tgt Ion:164 Resp: 1967

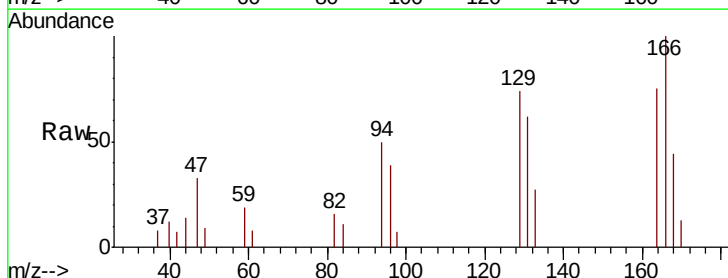
Ion Ratio Lower Upper

164 100

129 98.5 72.2 134.0

131 82.3 65.8 122.2

166 133.0 88.3 163.9

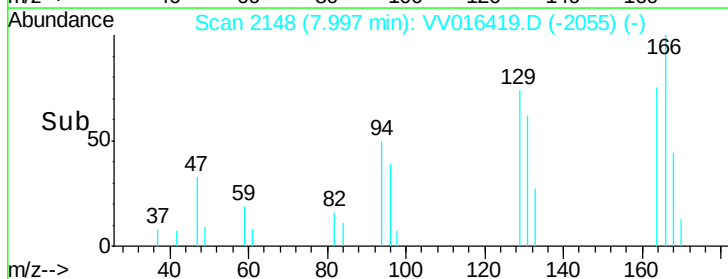
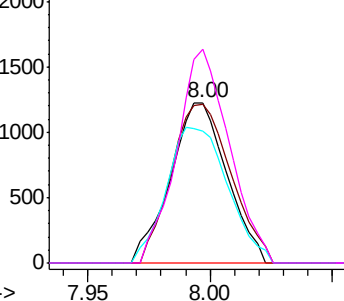


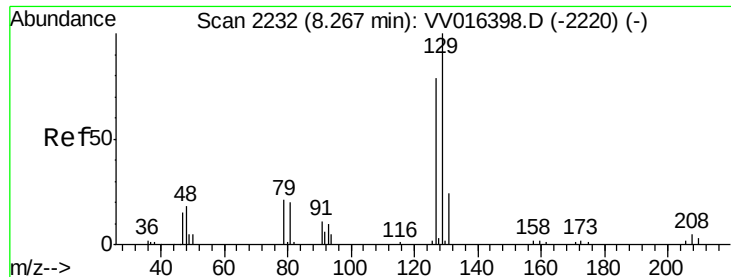
Abundance Ion 163.90 (163.60 to 164.60): V

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





#51

Dibromochloromethane

Concen: 0.469 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016419.D

Acq: 01 Jun 2020 18:33

Instrument :

MSVOA_V

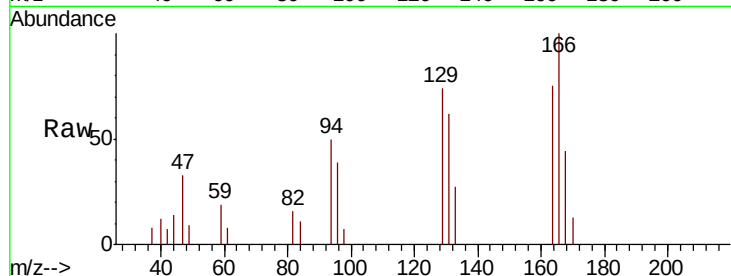
ClientSampled :

Tot Ion:129 Resp: 2035

Ion Ratio Lower Upper

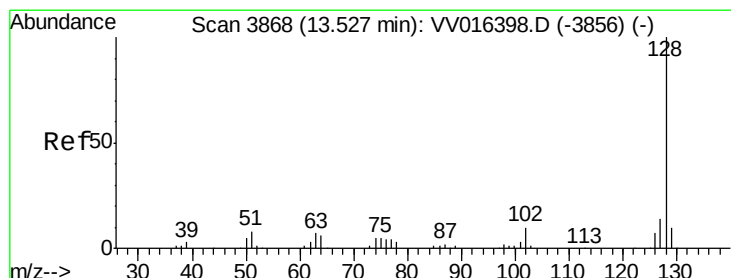
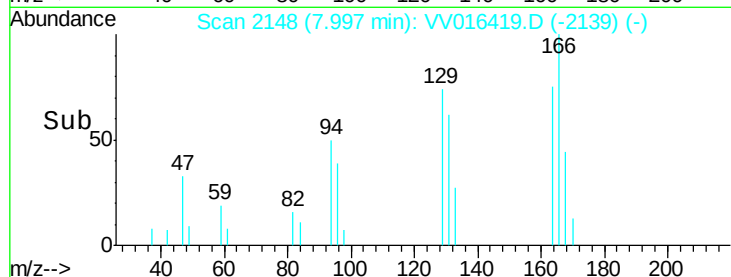
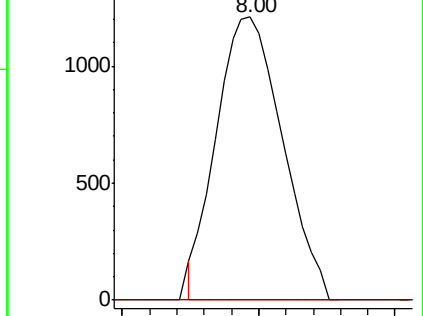
129 100

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: 0.091 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016419.D

Acq: 01 Jun 2020 18:33

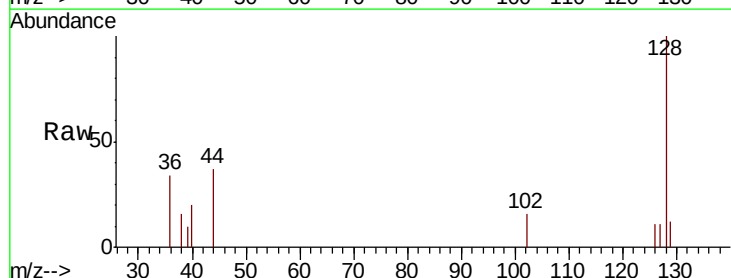
Tgt Ion:128 Resp: 1588

Ion Ratio Lower Upper

128 100

129 5.9 8.6 12.8#

127 5.5 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

