

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\
 Data File : VV016404.D
 Acq On : 01 Jun 2020 12:01
 Operator : SY/MD
 Sample : L2826-01 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 02 01:15:43 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	83801	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	76737	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	25628	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27355	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.58	69	22305	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.12	63	39314	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	3.96	46	70318	44.42	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.84%
24) Chloroform-d	4.38	84	50626	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.06	65	28677	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.08	84	100649	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.10	67	30055	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.34	98	85144	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
45) trans-1,3-Dichloropropene-	7.64	79	9734	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
48) 2-Hexanone-d5	8.12	63	53037	46.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.88%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	19196	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	19497	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

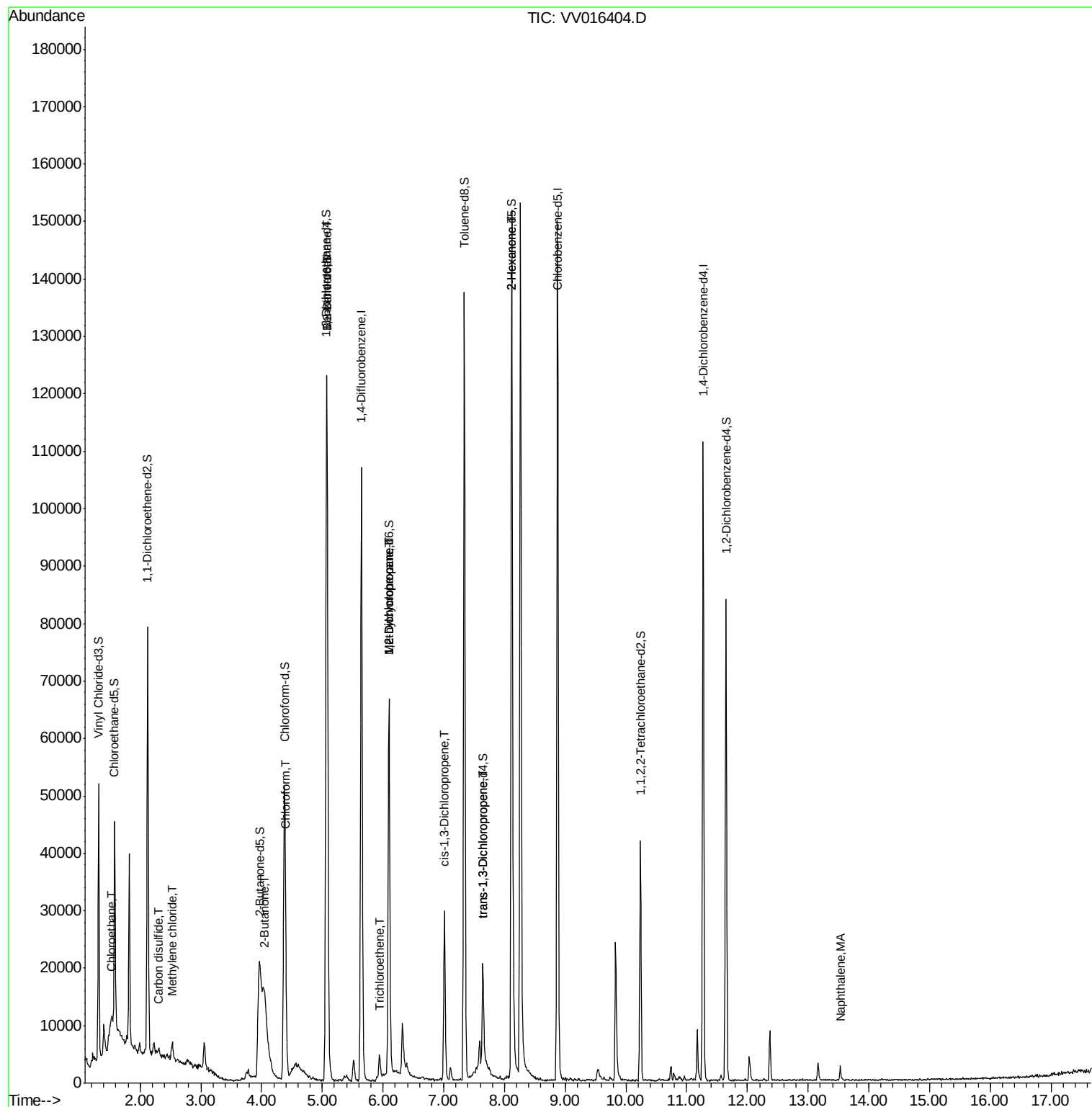
					Ovalue
8) Chloroethane	1.54	64	14030	3.115	ug/L # 50
14) Carbon disulfide	2.31	76	937	0.057	ug/L # 79
16) Methylene chloride	2.52	84	1176	0.204	ug/L # 93
21) 2-Butanone	4.06	43	29417	18.736	ug/L # 64
25) Chloroform	4.40	83	3067	0.271	ug/L # 88
27) 1,2-Dichloroethane	5.08	62	660	0.088	ug/L # 76
34) Trichloroethene	5.94	95	1082	0.182	ug/L # 93
35) Methylcyclohexane	6.10	83	7321	0.763	ug/L # 18
37) 1,2-Dichloropropane	6.10	63	3446	0.600	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	825	0.109	ug/L # 79
46) trans-1,3-Dichloropropene	7.64	75	551	0.088	ug/L # 76
50) 2-Hexanone	8.12	43	7130	2.946	ug/L # 71
70) Naphthalene	13.53	128	2129	0.182	ug/L # 88

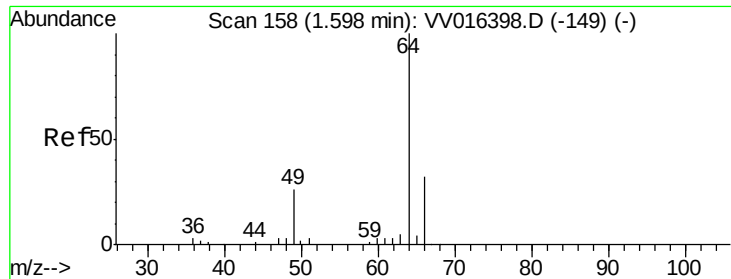
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#8

Chloroethane

Concen: 3.115 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.06 min

Lab File: VV016404.D

Acq: 01 Jun 2020 12:01

Instrument :

MSVOA_V

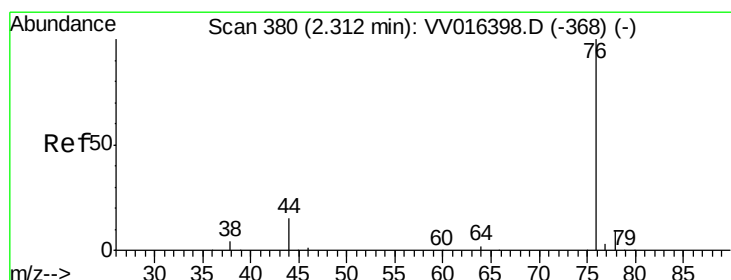
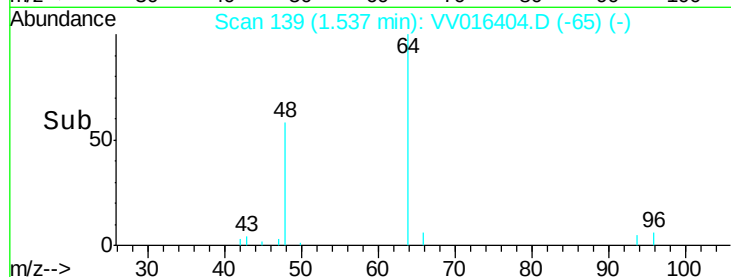
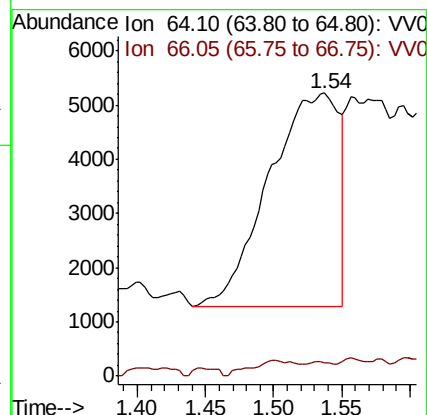
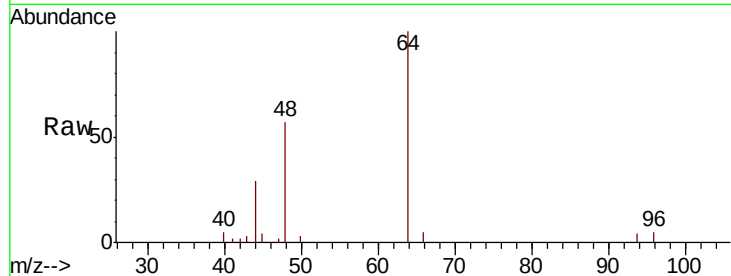
ClientSampled :

Tot Ion: 64 Resp: 14030

Ion Ratio Lower Upper

64 100

66 4.9 23.4 43.6#



#14

Carbon disulfide

Concen: 0.057 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016404.D

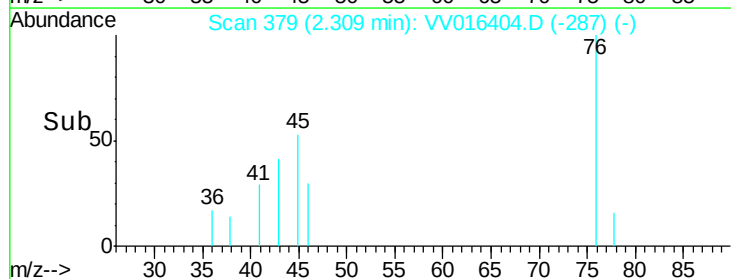
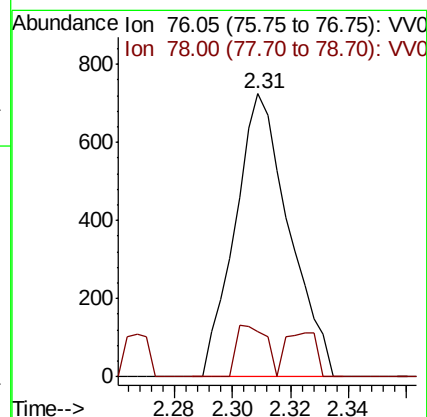
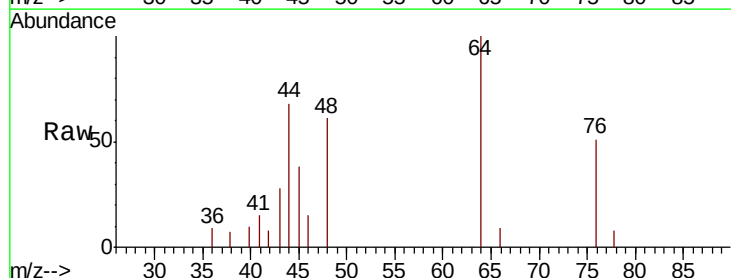
Acq: 01 Jun 2020 12:01

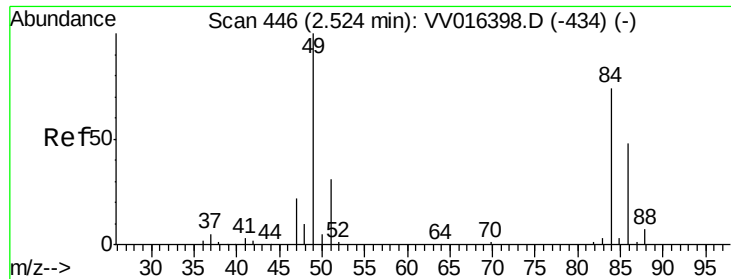
Tgt Ion: 76 Resp: 937

Ion Ratio Lower Upper

76 100

78 15.9 6.8 10.2#

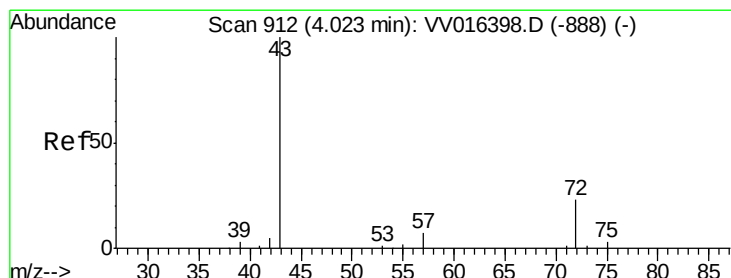
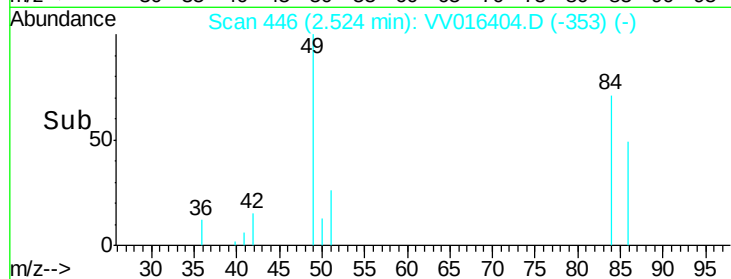
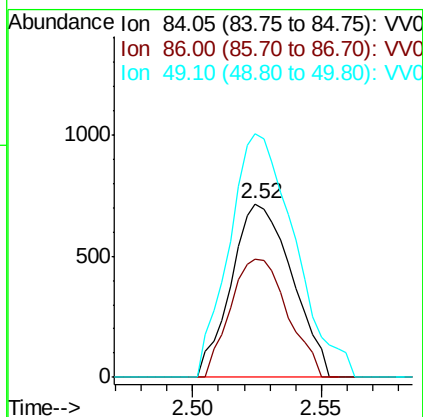
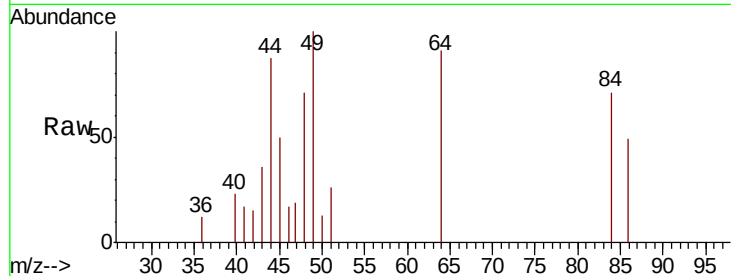




#16
Methvlene chloride
Concen: 0.204 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV016404.D
Acq: 01 Jun 2020 12:01

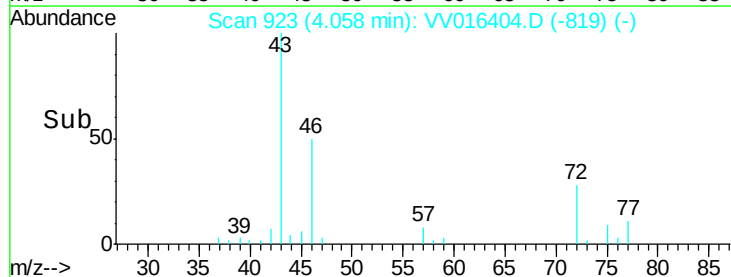
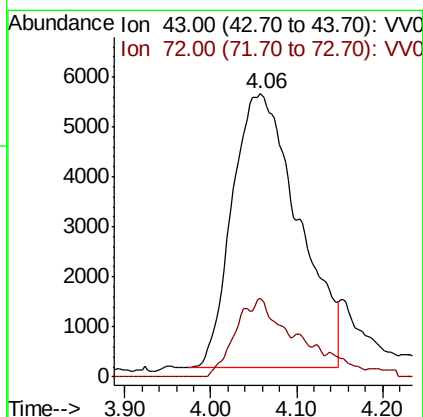
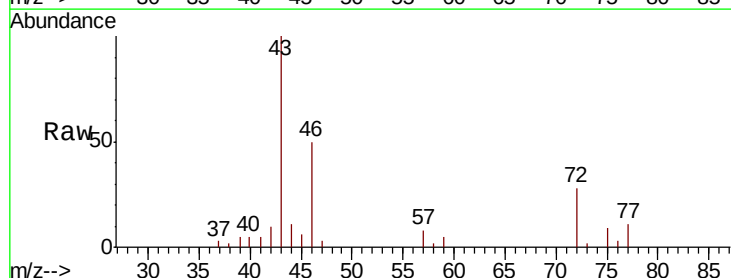
Instrument :
MSVOA_V
ClientSampleId :

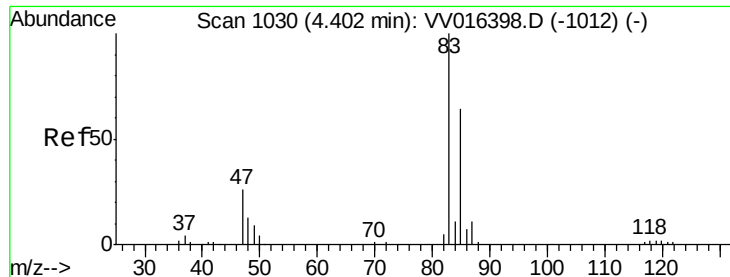
Tot Ion: 84 Resp: 1176
Ion Ratio Lower Upper
84 100
86 68.3 44.5 82.7
49 140.4 92.3 171.3



#21
2-Butanone
Concen: 18.736 ug/L
RT: 4.06 min Scan# 923
Delta R.T. 0.04 min
Lab File: VV016404.D
Acq: 01 Jun 2020 12:01

Tgt Ion: 43 Resp: 29417
Ion Ratio Lower Upper
43 100
72 5.2 11.2 33.6#

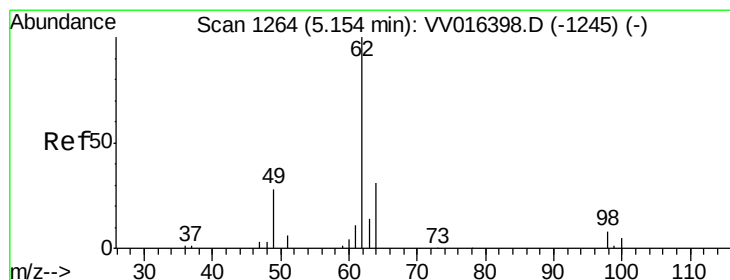
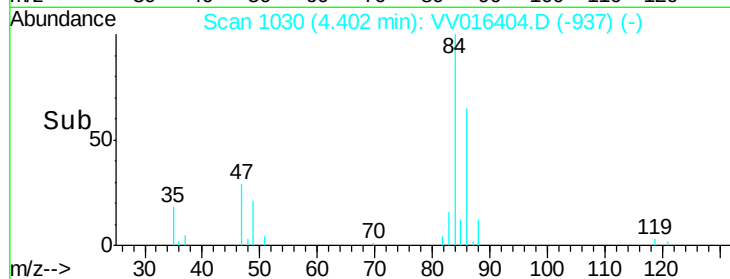
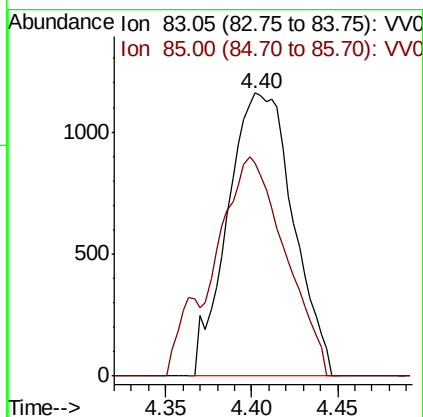
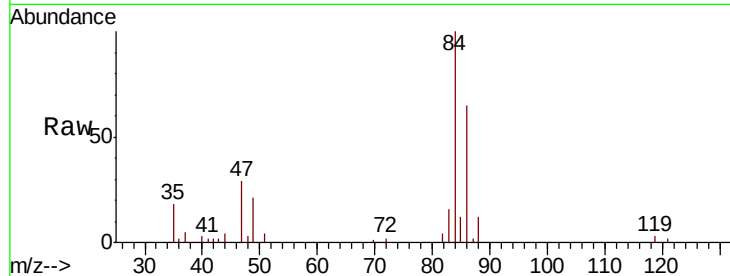




#25
Chloroform
Concen: 0.271 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016404.D
Acq: 01 Jun 2020 12:01

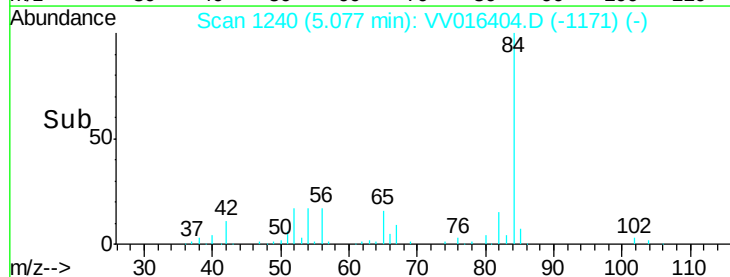
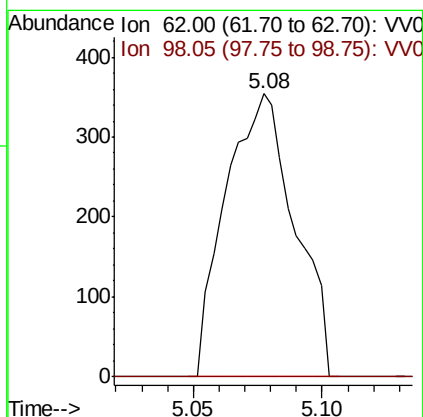
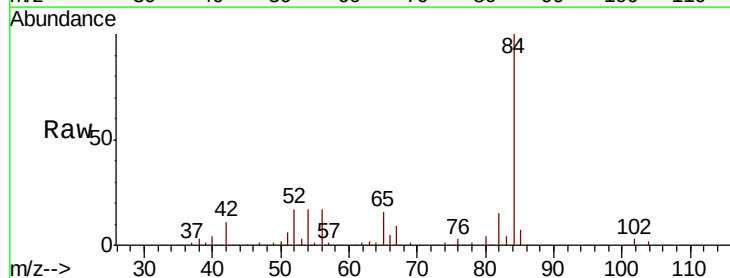
Instrument :
MSVOA_V
ClientSampled :

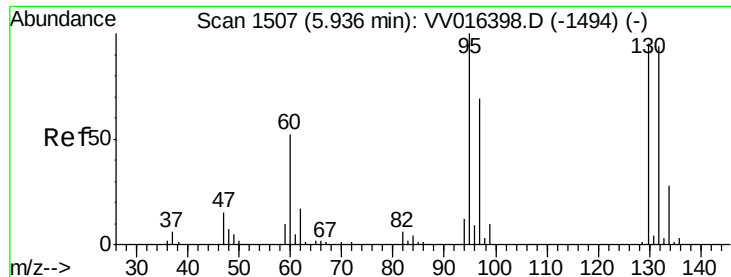
Tot Ion: 83 Resp: 3067
Ion Ratio Lower Upper
83 100
85 75.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.088 ug/L
RT: 5.08 min Scan# 1240
Delta R.T. -0.08 min
Lab File: VV016404.D
Acq: 01 Jun 2020 12:01

Tgt Ion: 62 Resp: 660
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.4#





#34

Trichloroethene

Concen: 0.182 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016404.D

Acq: 01 Jun 2020 12:01

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 1082

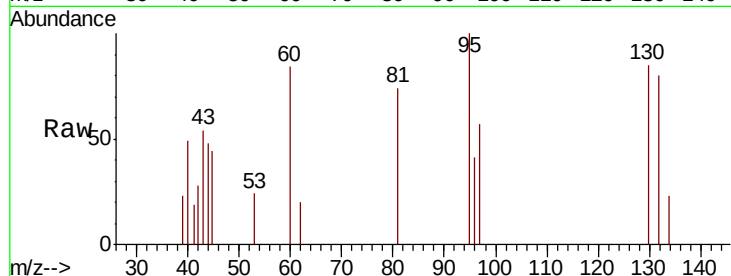
Ion Ratio Lower Upper

95 100

97 56.9 42.6 79.0

132 79.7 59.6 110.8

130 84.9 64.8 120.4

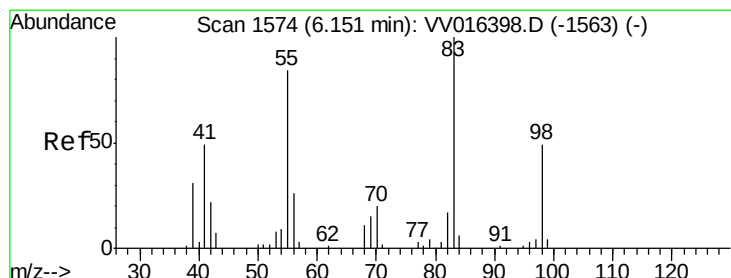
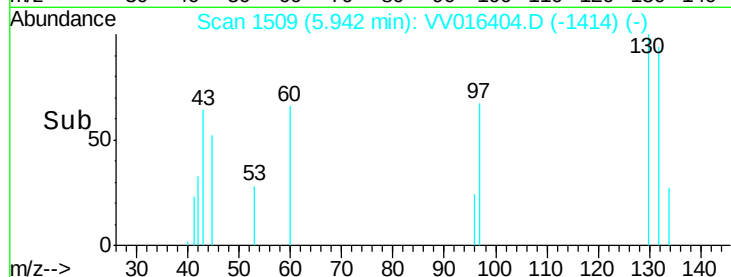
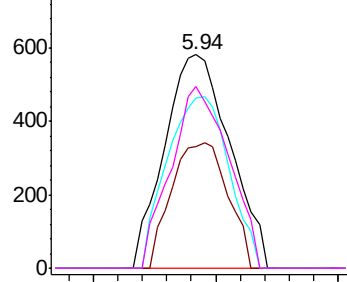


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.763 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016404.D

Acq: 01 Jun 2020 12:01

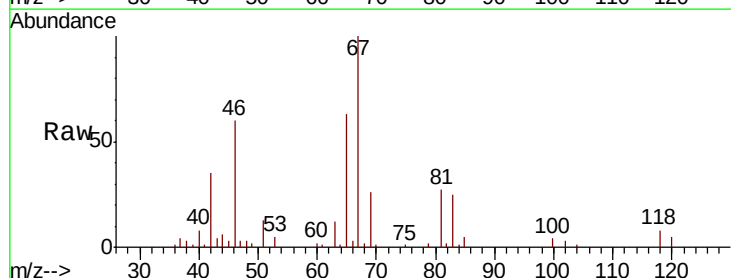
Tgt Ion: 83 Resp: 7321

Ion Ratio Lower Upper

83 100

55 4.8 67.0 100.4#

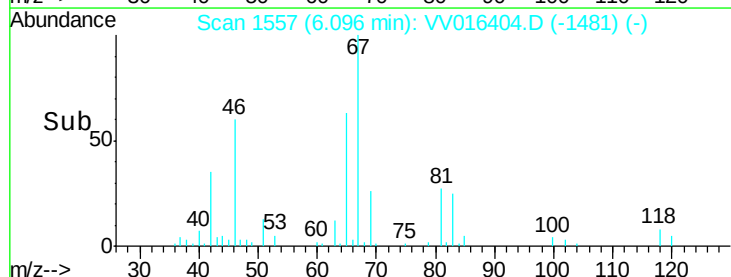
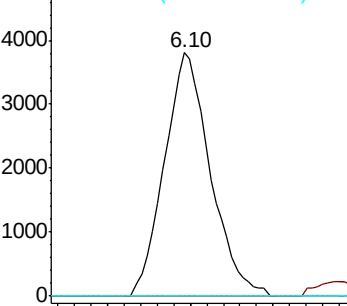
98 0.0 39.0 58.4#

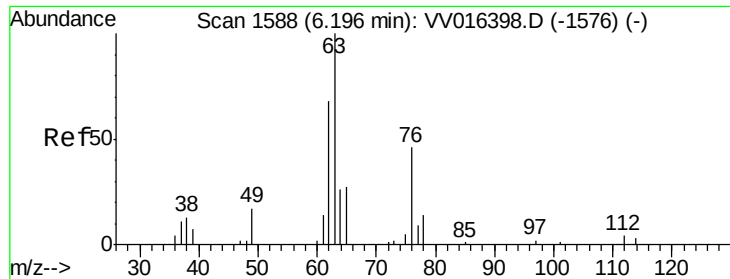


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

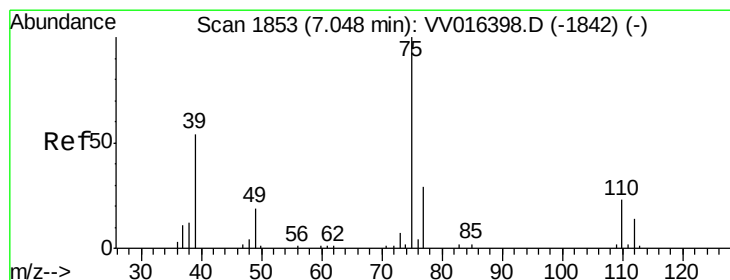
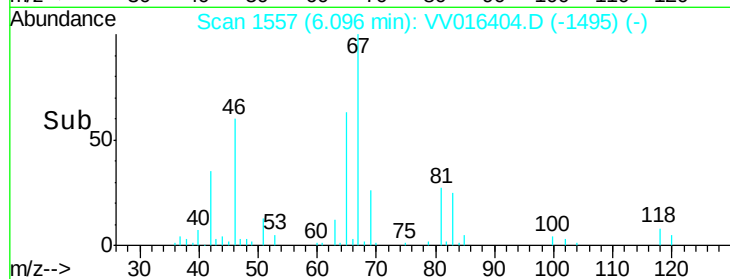
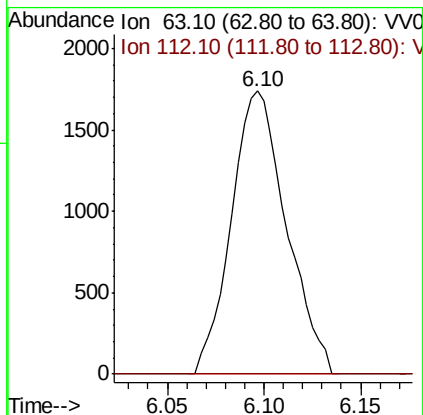
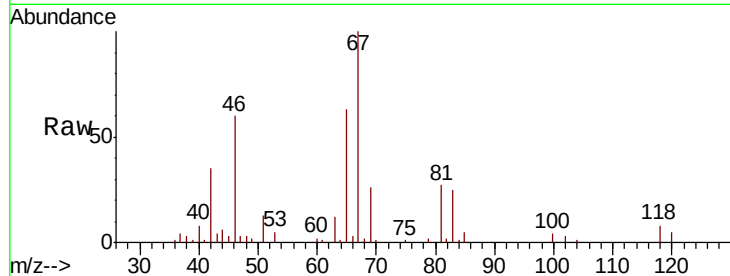




#37
 1,2-Dichloropropane
 Concen: 0.600 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016404.D
 Acq: 01 Jun 2020 12:01

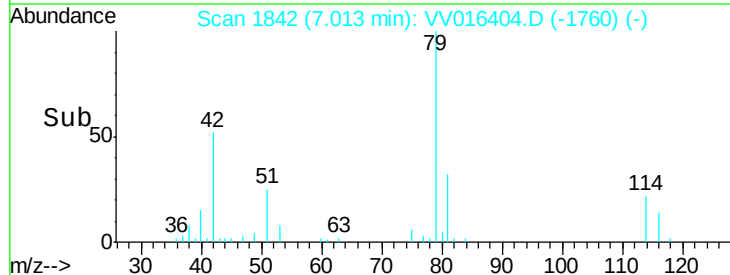
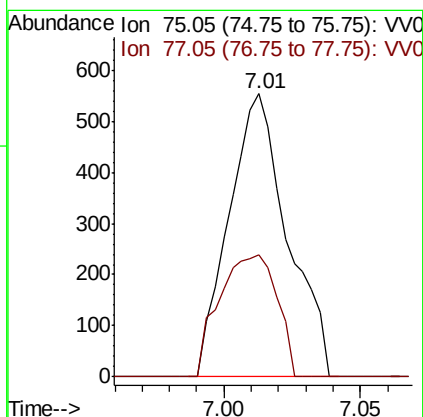
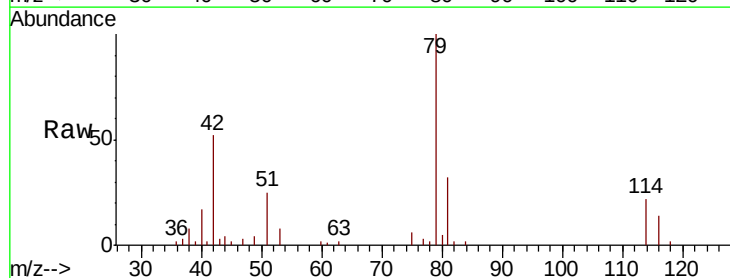
Instrument :
 MSVOA_V
 ClientSampleId :

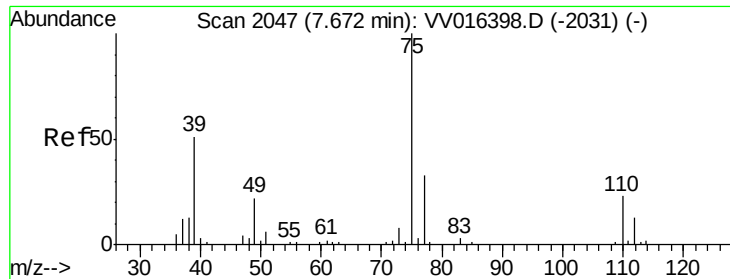
Tot Ion: 63 Resp: 3446
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016404.D
 Acq: 01 Jun 2020 12:01

Tgt Ion: 75 Resp: 825
 Ion Ratio Lower Upper
 75 100
 77 43.1 22.0 41.0#





#46

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016404.D

Acq: 01 Jun 2020 12:01

Instrument :

MSVOA_V

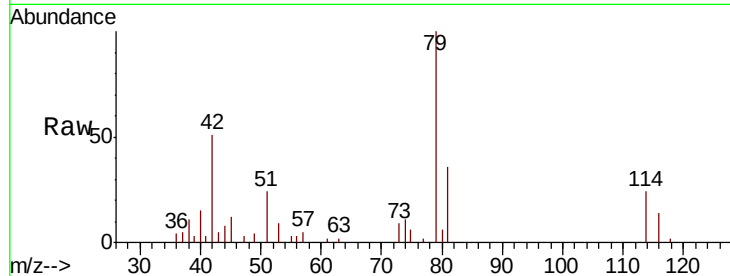
ClientSampleId :

Tot Ion: 75 Resp: 551

Ion Ratio Lower Upper

75 100

77 43.0 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.64

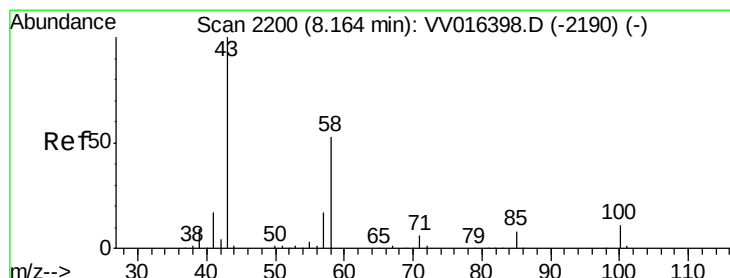
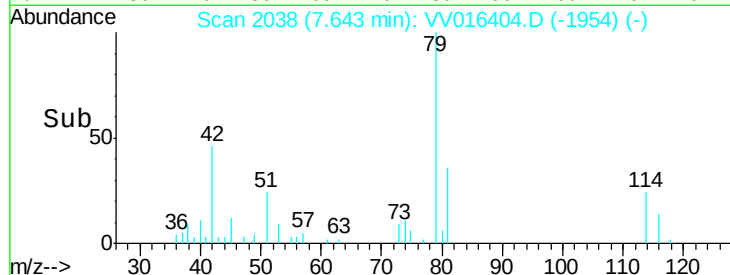
300

200

100

0

Time-->



#50

2-Hexanone

Concen: 2.946 ug/L

RT: 8.12 min Scan# 2186

Delta R.T. -0.05 min

Lab File: VV016404.D

Acq: 01 Jun 2020 12:01

Tgt Ion: 43 Resp: 7130

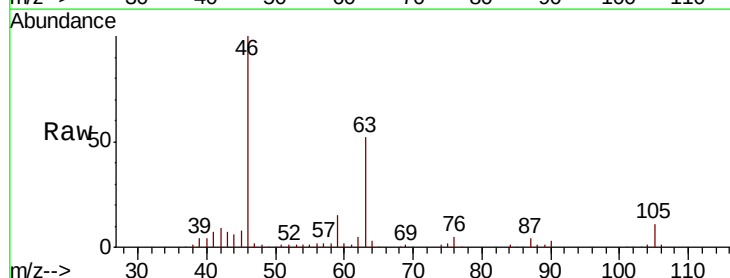
Ion Ratio Lower Upper

43 100

58 31.4 41.1 61.7#

57 31.3 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

8.12

5000

4000

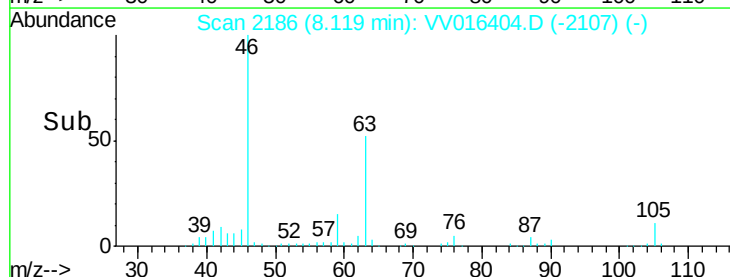
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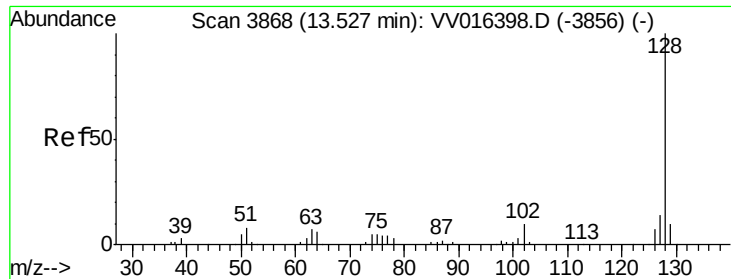
2000

1000

0

Time-->





#70

Naphthalene

Concen: 0.182 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016404.D

Acq: 01 Jun 2020 12:01

Instrument :

MSVOA_V

ClientSampleId :

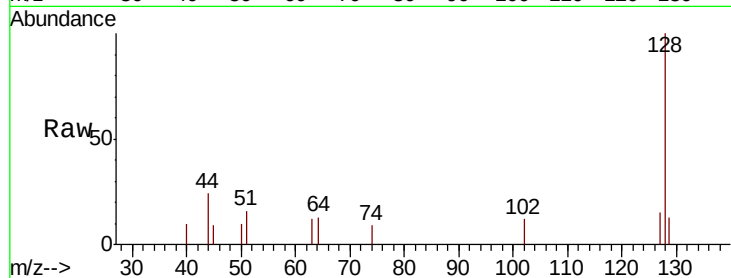
Tot Ion:128 Resp: 2129

Ion Ratio Lower Upper

128 100

129 5.3 8.6 12.8#

127 9.7 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

