

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV018002.D
 Acq On : 14 Aug 2020 17:25
 Operator : SY/MD
 Sample : L3665-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L77

Quant Time: Aug 17 01:37:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	239939	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	239054	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	114641	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89133	48.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.38%
7) Chloroethane-d5	1.58	69	77220	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.12%
11) 1,1-Dichloroethene-d2	2.12	63	131566	37.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.14%
21) 2-Butanone-d5	3.90	46	128437	107.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.12%
24) Chloroform-d	4.38	84	157901	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
26) 1,2-Dichloroethane-d4	5.06	65	112333	51.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.80%
32) Benzene-d6	5.08	84	327756	49.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.50%
36) 1,2-Dichloropropane-d6	6.09	67	106970	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.32%
41) Toluene-d8	7.34	98	289525	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%
43) trans-1,3-Dichloropropene-	7.64	79	47018	48.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.26%
47) 2-Hexanone-d5	8.11	63	66888	96.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	136426	48.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	119766	53.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.16%

Target Compounds

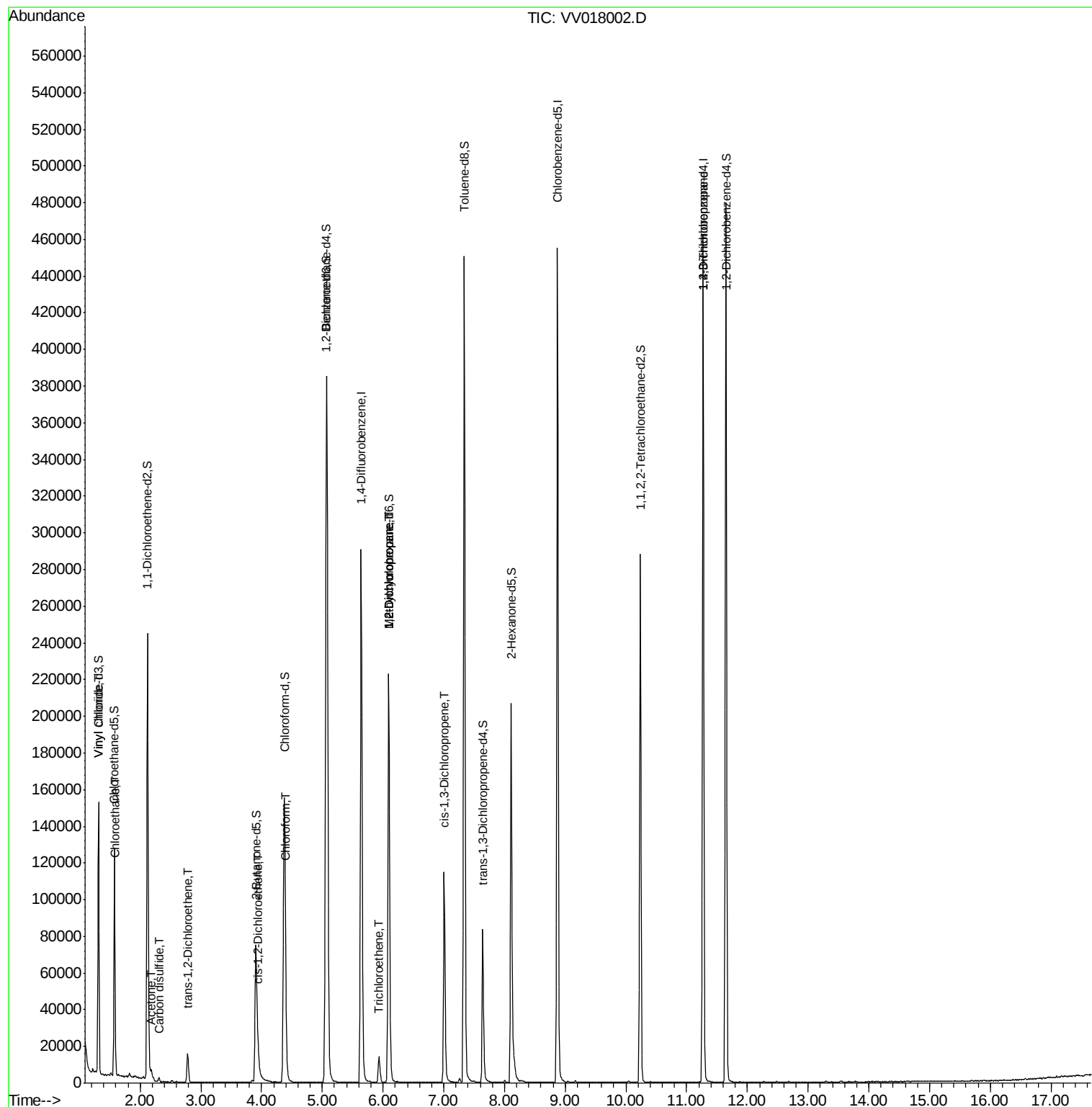
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	3245	1.522	ug/L #	22
8) Chloroethane	1.59	64	4126	3.032	ug/L	99
13) Acetone	2.18	43	5529	4.464	ug/L	97
14) Carbon disulfide	2.31	76	2603	0.588	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	5492	3.320	ug/L	93
20) cis-1,2-Dichloroethene	3.95	96	2333	1.283	ug/L	93
25) Chloroform	4.40	83	7082	2.087	ug/L	93
34) Trichloroethene	5.95	95	1693	0.866	ug/L	91
35) Methylcyclohexane	6.09	83	25144	8.650	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	11874	5.887	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2768	0.968	ug/L #	57
59) 1,2,3-Trichloropropane	11.27	75	13635	5.474	ug/L	90

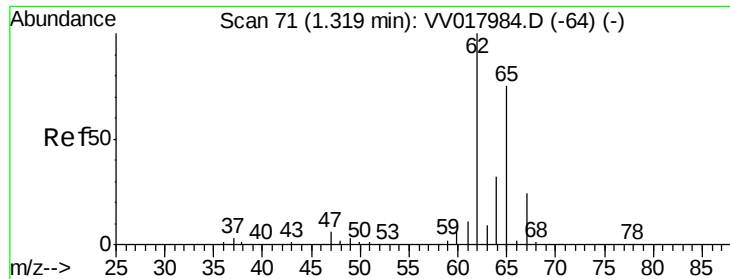
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.522 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018002.D

Acq: 14 Aug 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

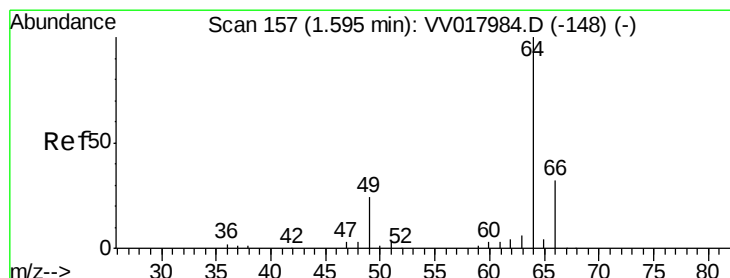
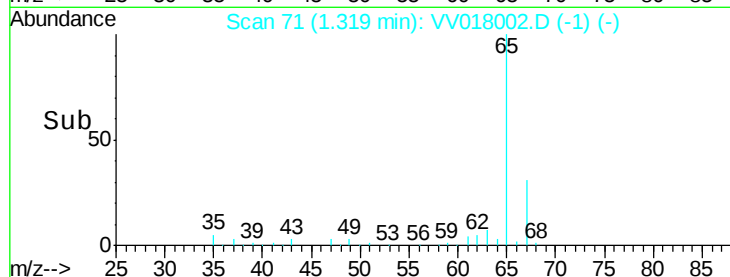
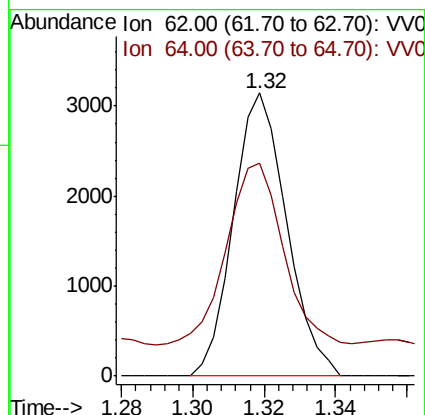
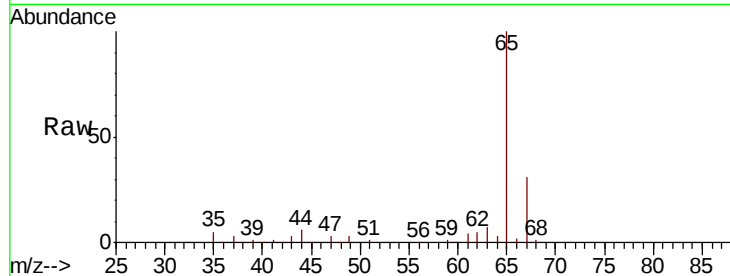
F4L77

Tot Ion: 62 Resp: 3245

Ion Ratio Lower Upper

62 100

64 75.3 22.4 41.6#



#8

Chloroethane

Concen: 3.032 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV018002.D

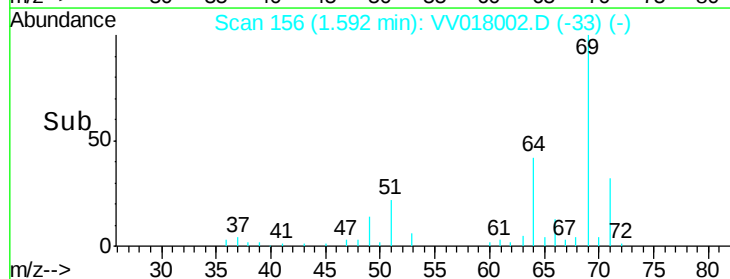
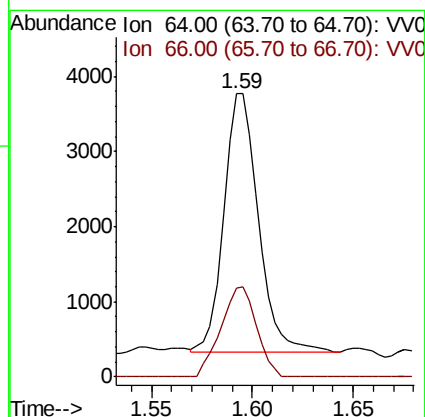
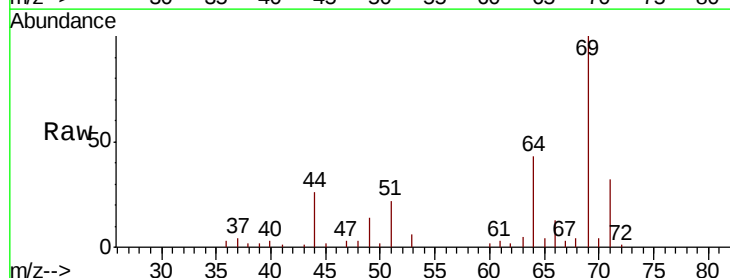
Acq: 14 Aug 2020 17:25

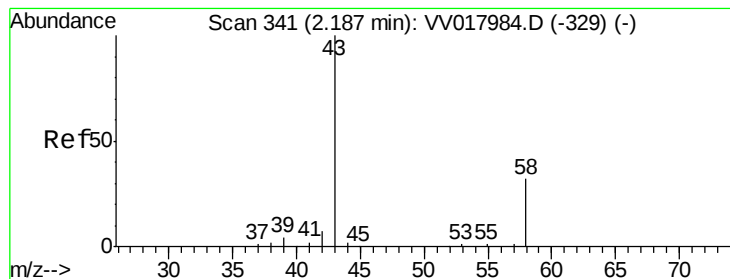
Tgt Ion: 64 Resp: 4126

Ion Ratio Lower Upper

64 100

66 31.3 22.3 41.3





#13

Acetone

Concen: 4.464 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV018002.D

Acq: 14 Aug 2020 17:25

Instrument :

MSVOA_V

ClientSampled :

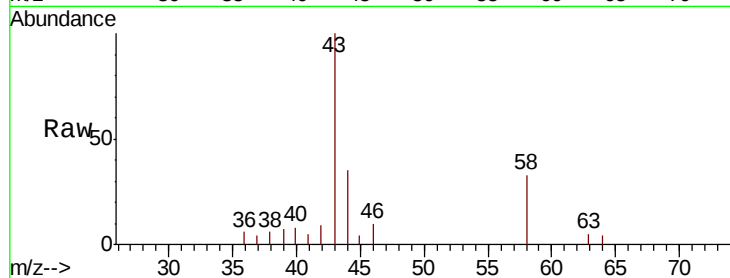
F4L77

Tot Ion: 43 Resp: 5529

Ion Ratio Lower Upper

43 100

58 33.5 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017984.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV017984.D (-329) (-)

2.18

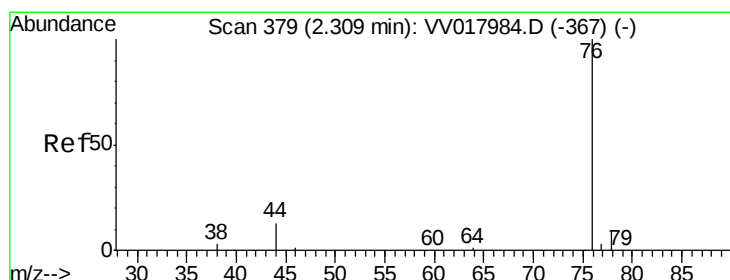
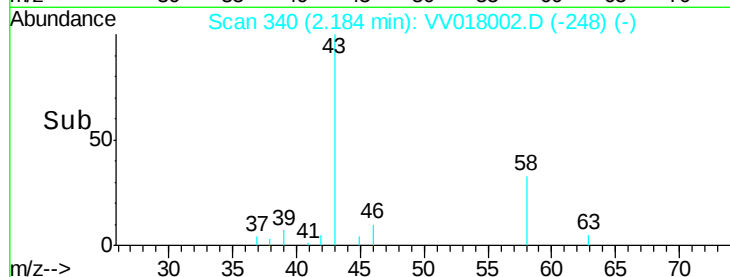
3000

2000

1000

0

Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.588 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018002.D

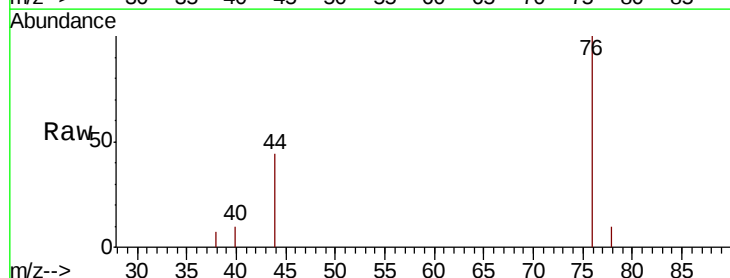
Acq: 14 Aug 2020 17:25

Tgt Ion: 76 Resp: 2603

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV017984.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017984.D (-367) (-)

2.31

2000

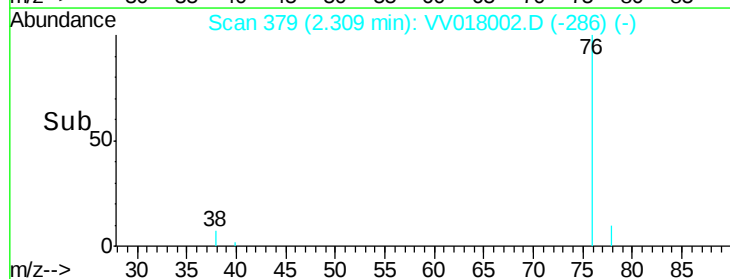
1500

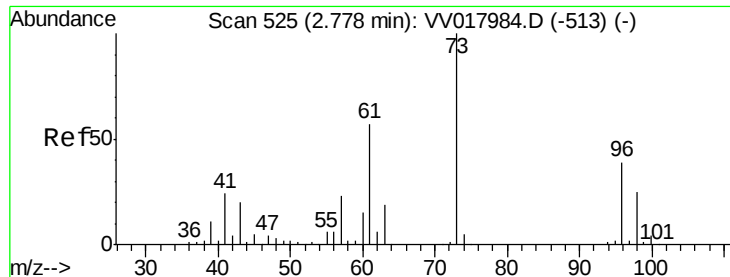
1000

500

0

Time--> 2.30 2.35

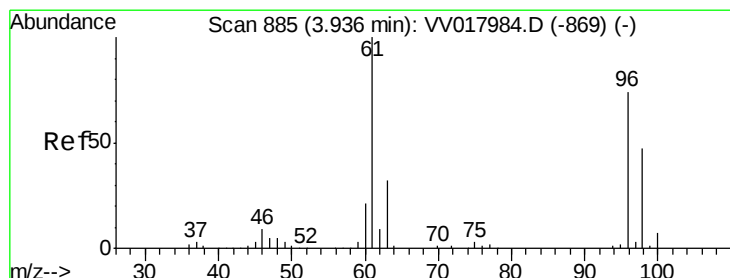
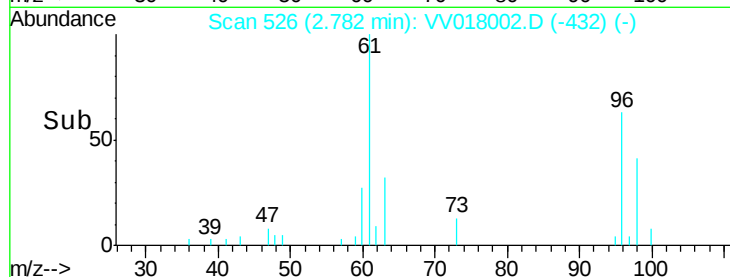
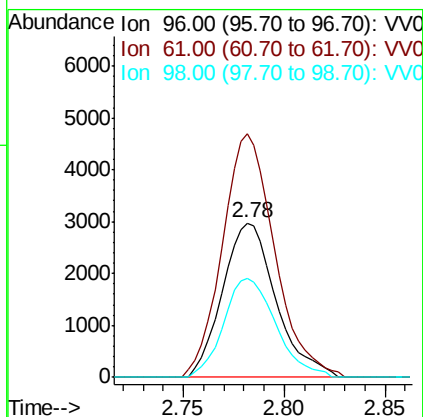
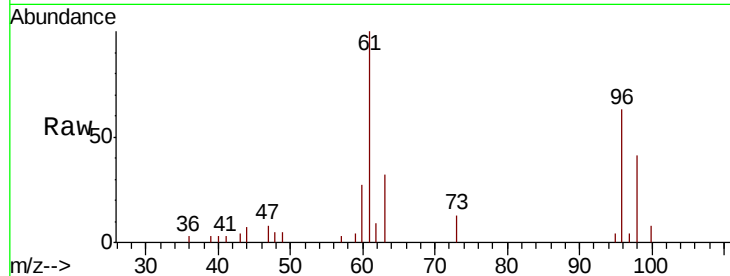




#17
trans-1,2-Dichloroethene
Concen: 3.320 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018002.D
Acq: 14 Aug 2020 17:25

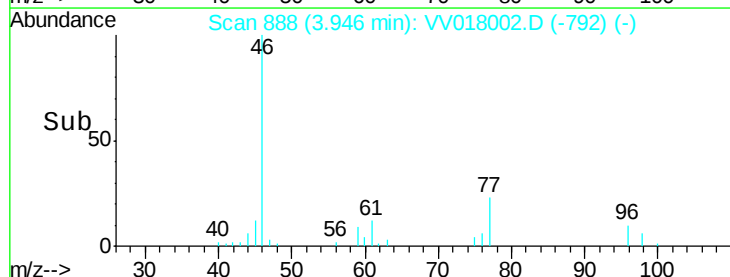
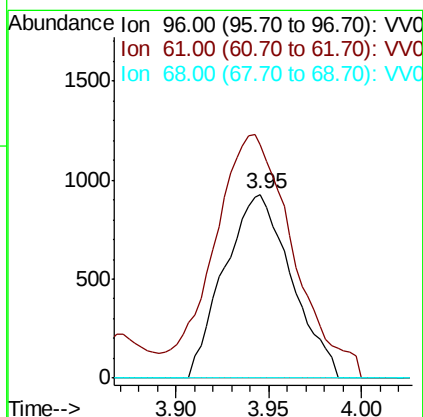
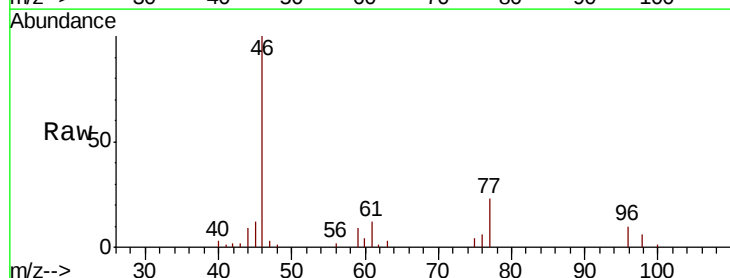
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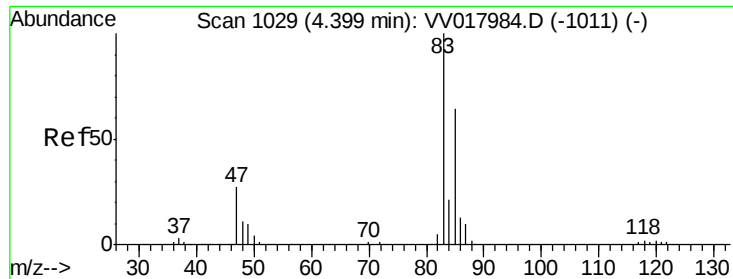
Tot Ion: 96 Resp: 5492
Ion Ratio Lower Upper
96 100
61 158.0 102.4 190.2
98 64.0 44.4 82.5



#20
cis-1,2-Dichloroethene
Concen: 1.283 ug/L
RT: 3.95 min Scan# 888
Delta R.T. 0.01 min
Lab File: VV018002.D
Acq: 14 Aug 2020 17:25

Tgt Ion: 96 Resp: 2333
Ion Ratio Lower Upper
96 100
61 126.8 95.0 176.4
68 0.0 0.0 0.0

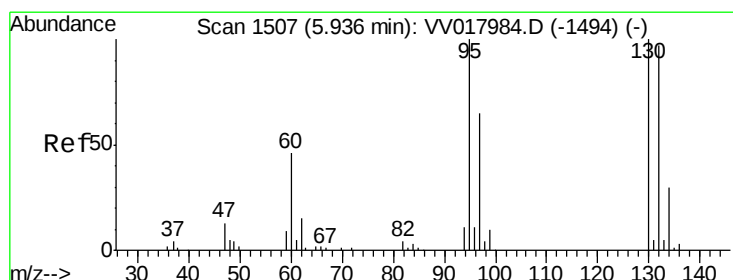
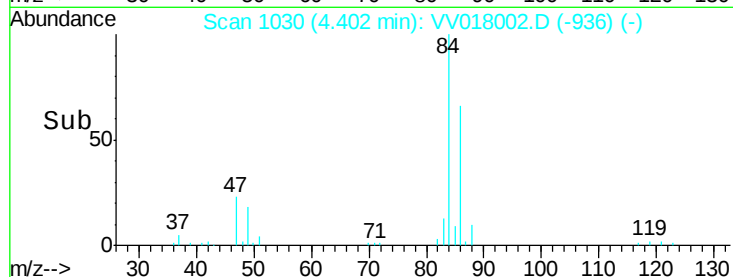
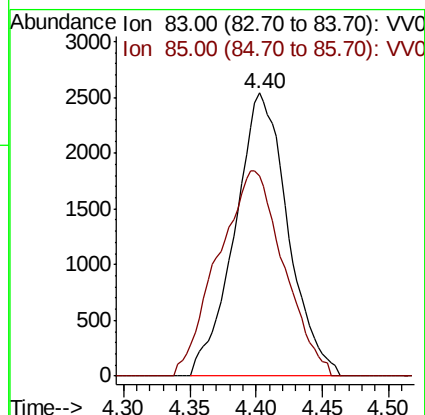
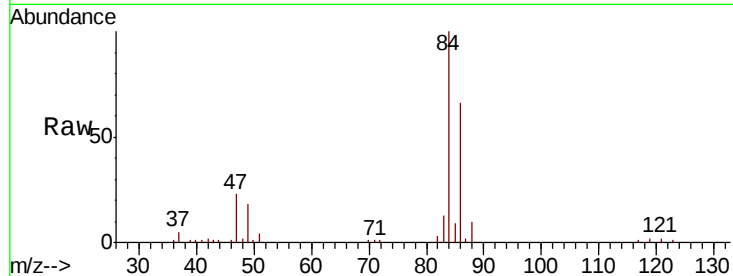




#25
Chloroform
Concen: 2.087 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018002.D
Acq: 14 Aug 2020 17:25

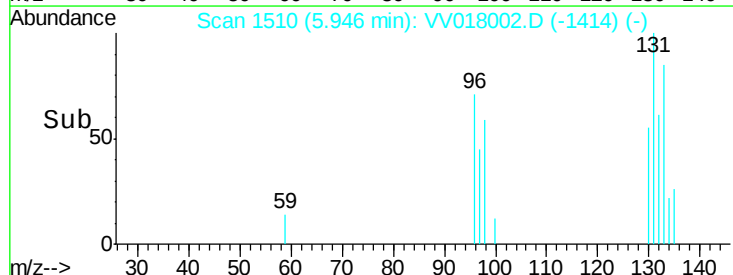
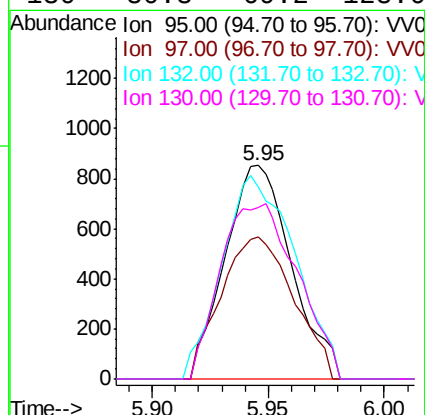
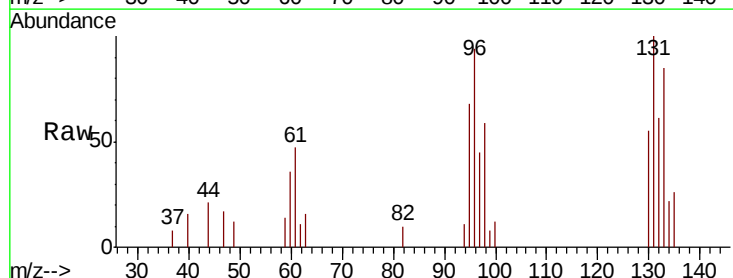
Instrument :
MSVOA_V
ClientSampled :
F4L77

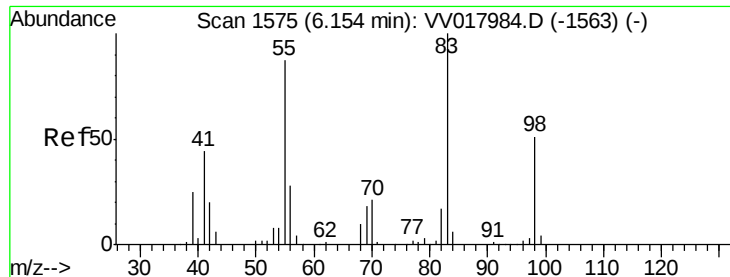
Tot Ion: 83 Resp: 7082
Ion Ratio Lower Upper
83 100
85 70.8 45.5 84.5



#34
Trichloroethene
Concen: 0.866 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV018002.D
Acq: 14 Aug 2020 17:25

Tgt Ion: 95 Resp: 1693
Ion Ratio Lower Upper
95 100
97 66.7 46.0 85.4
132 89.7 65.8 122.2
130 80.3 69.2 128.6

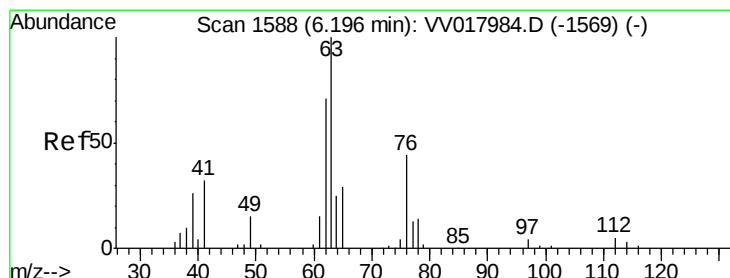
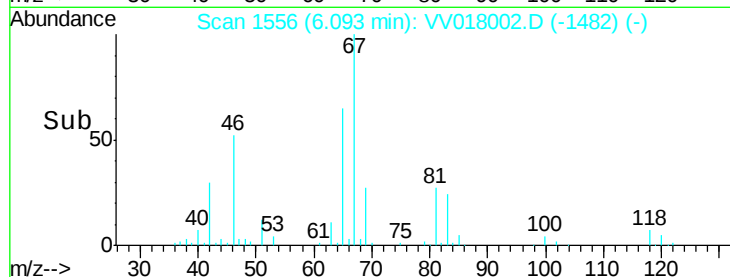
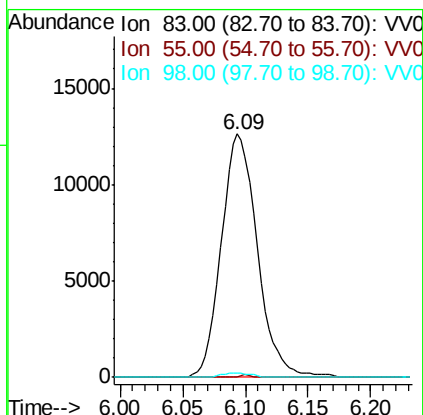
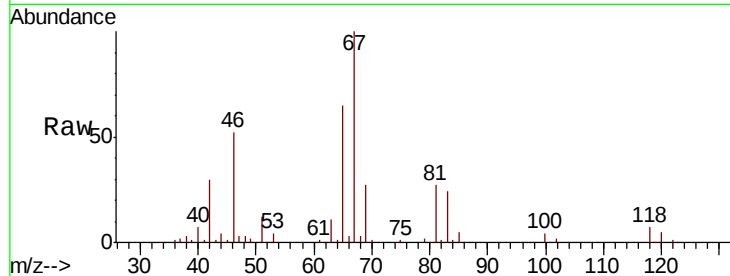




#35
Methvlcvclohexane
Concen: 8.650 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018002.D
Acq: 14 Aug 2020 17:25

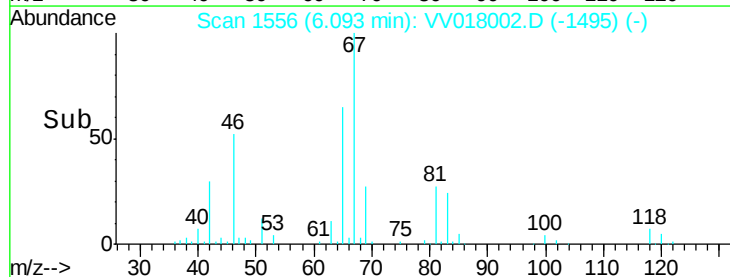
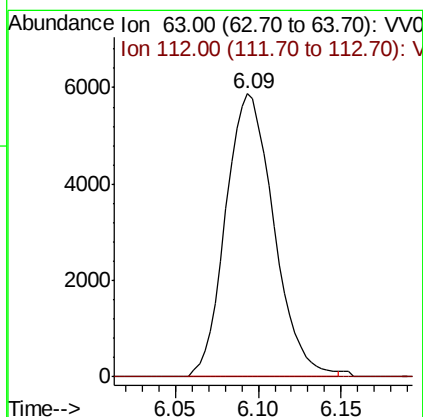
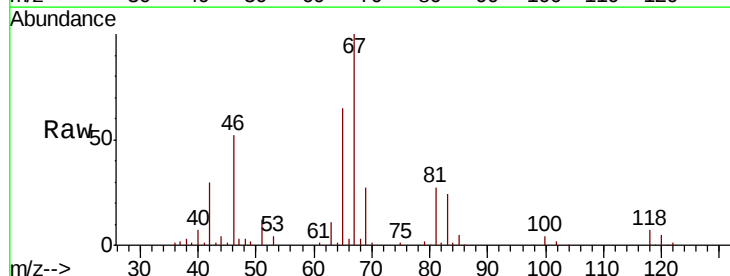
Instrument :
MSVOA_V
ClientSampled :
F4L77

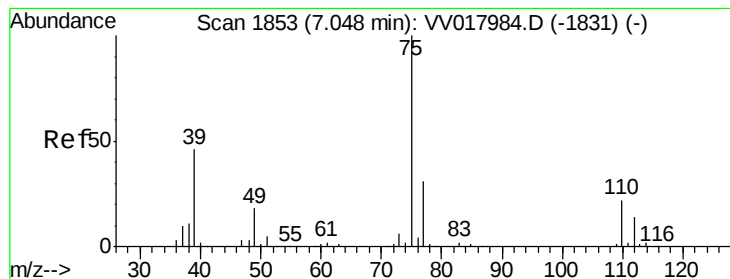
Tot Ion: 83 Resp: 25144
Ion Ratio Lower Upper
83 100
55 0.3 64.9 97.3#
98 1.4 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 5.887 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018002.D
Acq: 14 Aug 2020 17:25

Tgt Ion: 63 Resp: 11874
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.968 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018002.D

Acq: 14 Aug 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

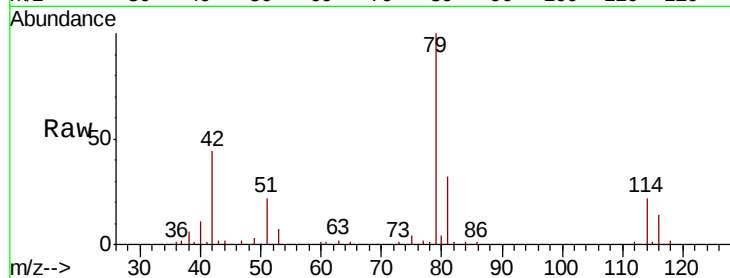
F4L77

Tot Ion: 75 Resp: 2768

Ion Ratio Lower Upper

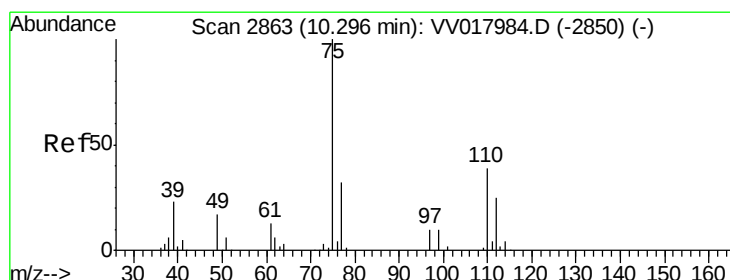
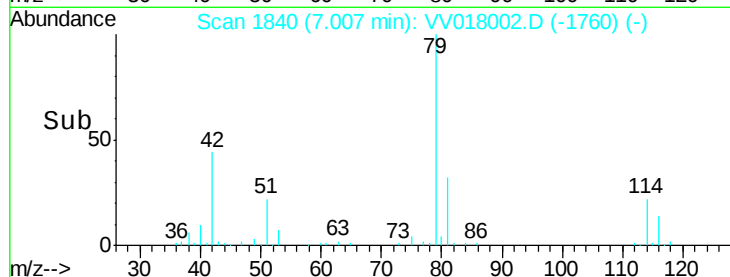
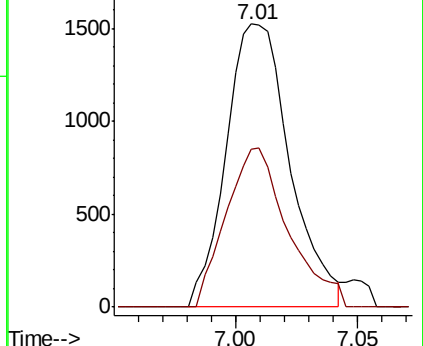
75 100

77 55.8 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.474 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV018002.D

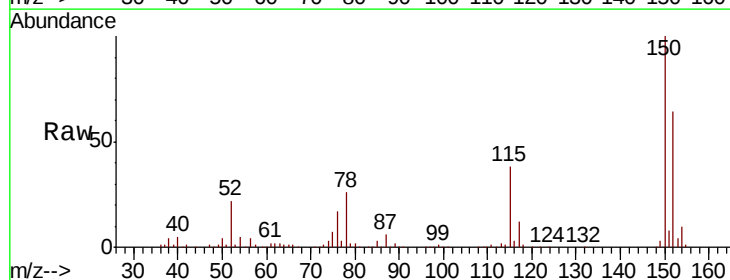
Acq: 14 Aug 2020 17:25

Tgt Ion: 75 Resp: 13635

Ion Ratio Lower Upper

75 100

77 37.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

