

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082420\
 Data File : VV018082.D
 Acq On : 24 Aug 2020 12:07
 Operator : SY/MD
 Sample : L3782-08
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFSS9

Quant Time: Aug 24 13:01:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 24 12:58:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	267943	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	265224	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	129621	50.00	ug/L	0.00

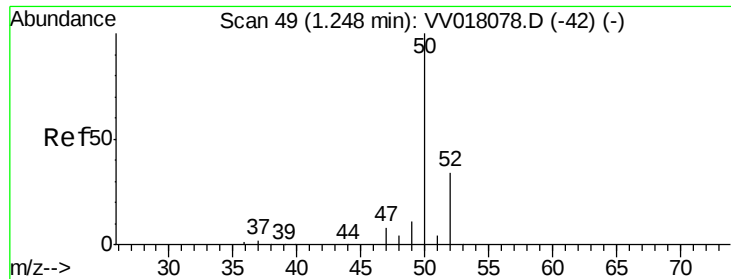
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95187	46.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.12%
7) Chloroethane-d5	1.58	69	83015	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.26%
11) 1,1-Dichloroethene-d2	2.12	63	143499	36.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.40%
21) 2-Butanone-d5	3.91	46	121917	91.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.05%
24) Chloroform-d	4.38	84	172213	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	5.06	65	120618	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.80%
32) Benzene-d6	5.08	84	356750	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
36) 1,2-Dichloropropane-d6	6.09	67	117066	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.98%
41) Toluene-d8	7.34	98	318101	48.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.78%
43) trans-1,3-Dichloropropene-	7.64	79	53763	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.20%
47) 2-Hexanone-d5	8.11	63	63691	83.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	139732	44.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	132530	51.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.90%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	4266	1.775 ug/L	97
8) Chloroethane	1.32	64	1690	1.112 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1285	0.677 ug/L #	20
13) Acetone	2.19	43	13791	9.972 ug/L	97
15) Methyl Acetate	2.36	43	5179	2.320 ug/L #	53
25) Chloroform	4.40	83	7219	1.905 ug/L	97
35) Methylcyclohexane	6.09	83	27770	8.610 ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12762	5.703 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3184	1.004 ug/L #	65
48) 2-Hexanone	8.17	43	5696	2.415 ug/L #	49
59) 1,2,3-Trichloropropane	11.27	75	15188	5.496 ug/L	93

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



#3

Chloromethane

Concen: 1.775 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018082.D

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Instrument :

MSVOA_V

ClientSampleId :

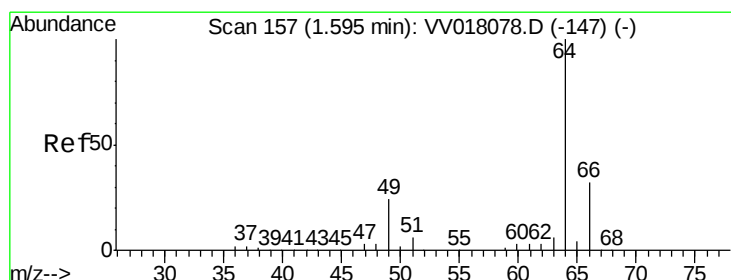
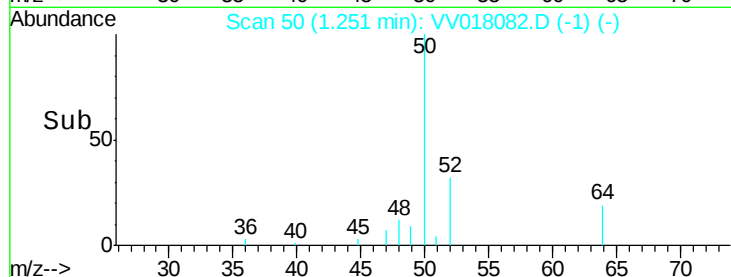
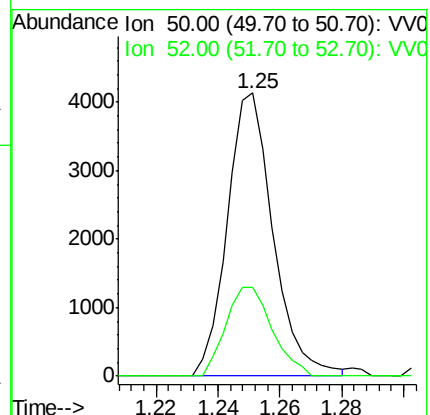
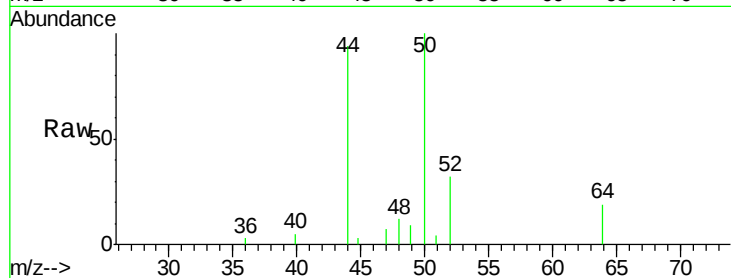
BFSS9

Tgt Ion: 50 Resp: 4266

Ion Ratio Lower Upper

50 100

52 31.6 23.2 43.2



#8

Chloroethane

Concen: 1.112 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV018082.D

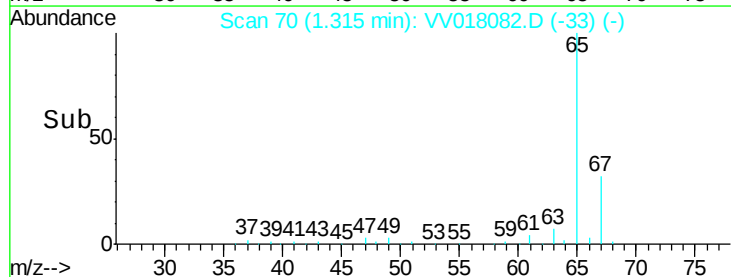
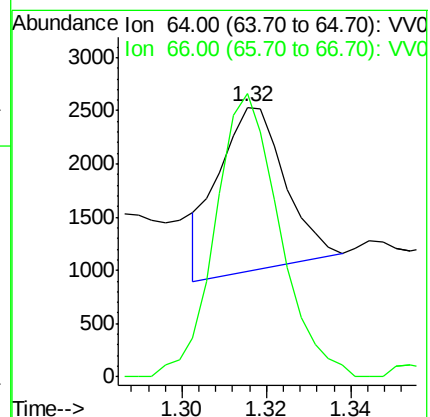
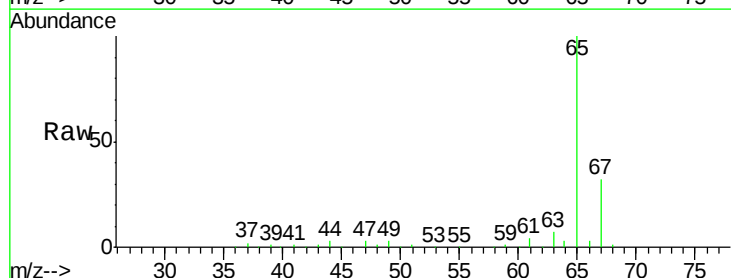
Acq: 24 Aug 2020 12:07

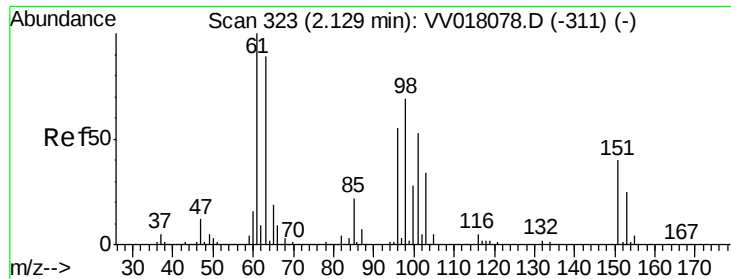
Tgt Ion: 64 Resp: 1690

Ion Ratio Lower Upper

64 100

66 104.9 22.3 41.3#





#10

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

Concen: 0.677 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018082.D

Acq: 24 Aug 2020 12:07

Instrument :

MSVOA_V

ClientSampleId :

BFSS9

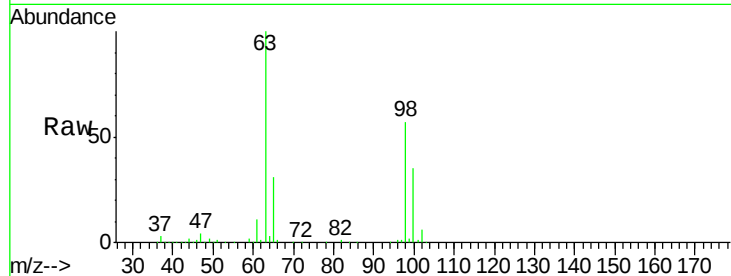
Tgt Ion:101 Resp: 1285

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#

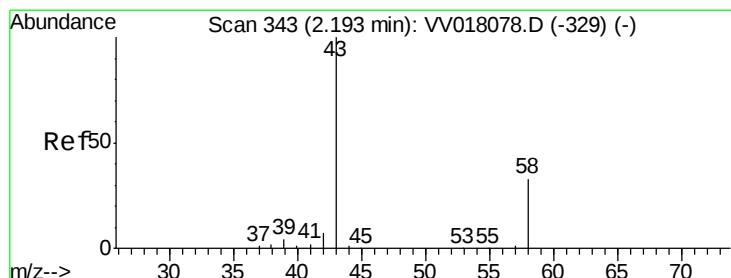
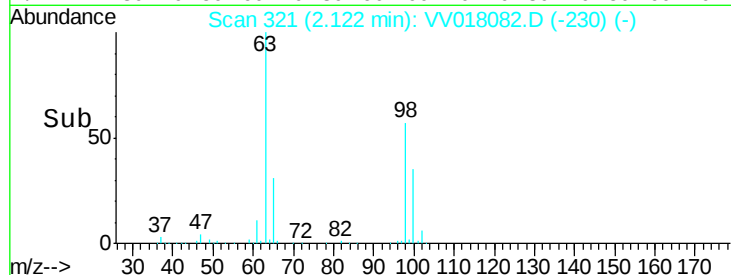
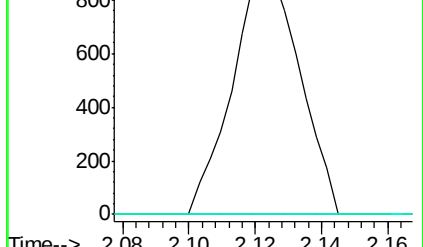


Abundance Ion 101.00 (100.70 to 101.70): VV018082.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018082.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018082.D (-230) (-)

Time-->



#13

Acetone

Concen: 9.972 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV018082.D

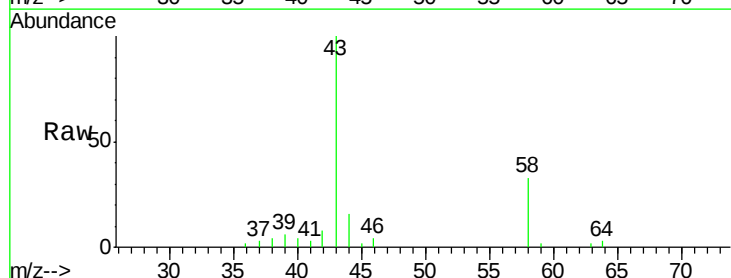
Acq: 24 Aug 2020 12:07

Tgt Ion: 43 Resp: 13791

Ion Ratio Lower Upper

43 100

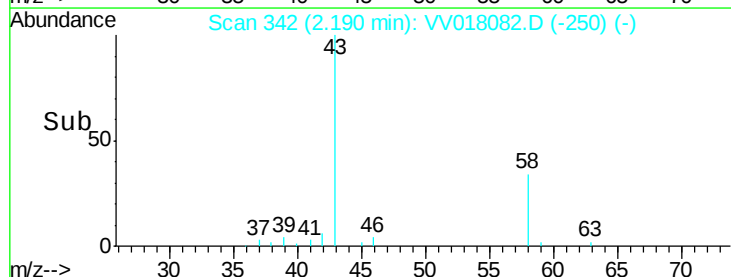
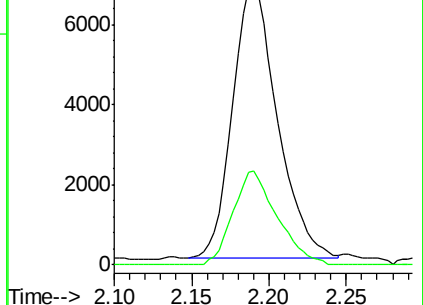
58 33.7 0.0 63.6

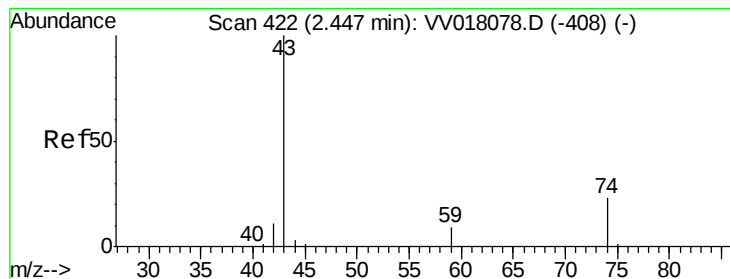


Abundance Ion 43.00 (42.70 to 43.70): VV018082.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV018082.D (-250) (-)

Time-->





#15

Methyl Acetate

Concen: 2.320 ug/L

RT: 2.36 min Scan# 394

Delta R.T. -0.09 min

Lab File: VV018082.D

Acq: 24 Aug 2020 12:07

Instrument :

MSVOA_V

ClientSampleId :

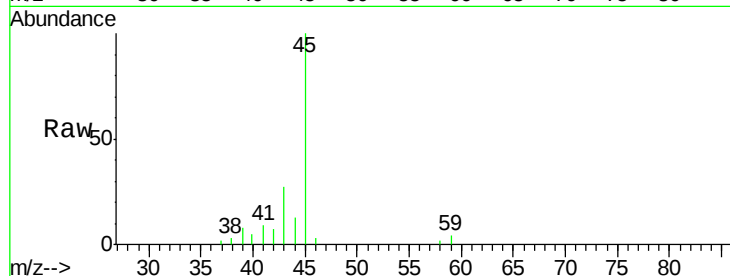
BFSS9

Tgt Ion: 43 Resp: 5179

Ion Ratio Lower Upper

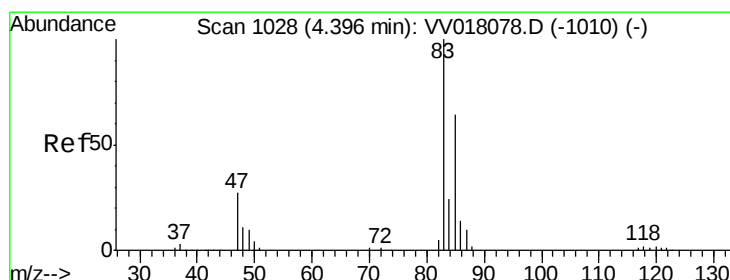
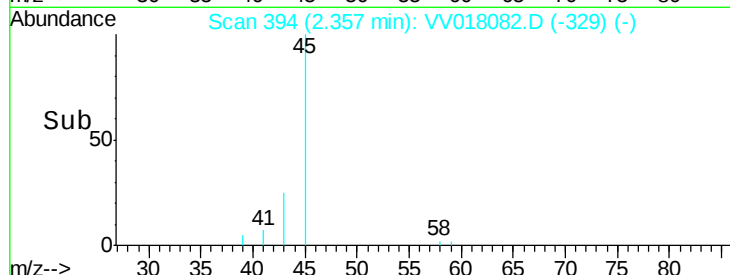
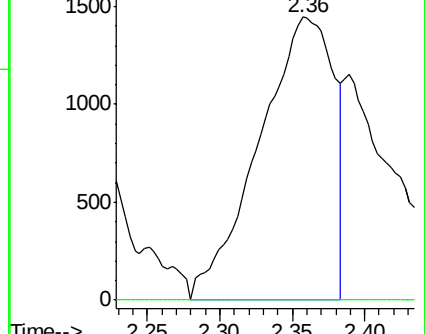
43 100

74 0.0 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#25

Chloroform

Concen: 1.905 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VV018082.D

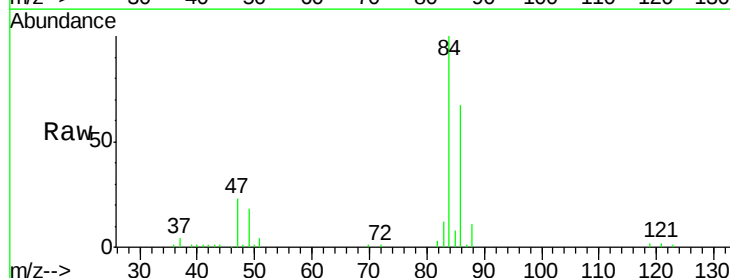
Acq: 24 Aug 2020 12:07

Tgt Ion: 83 Resp: 7219

Ion Ratio Lower Upper

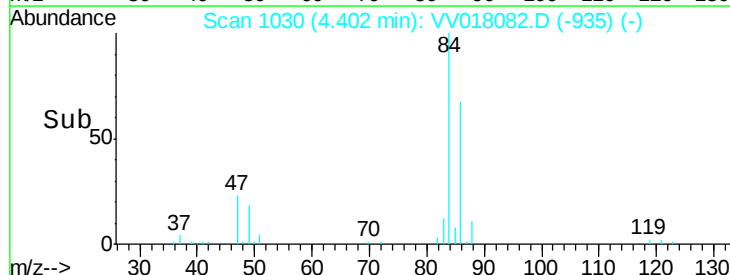
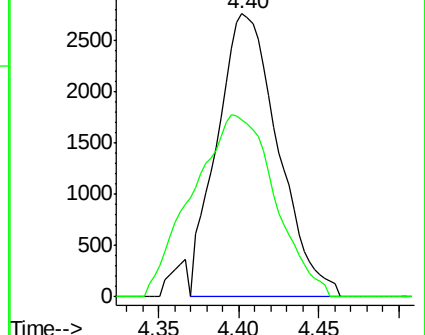
83 100

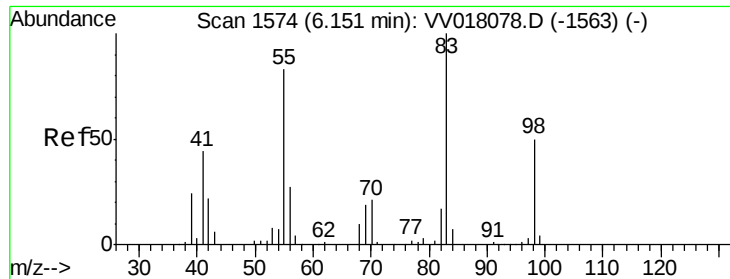
85 62.6 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

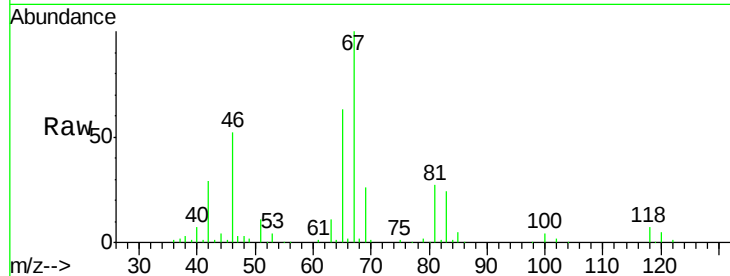




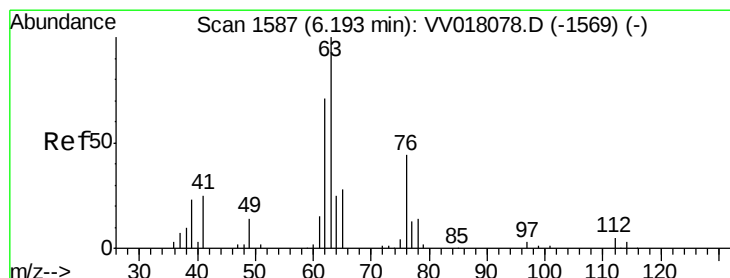
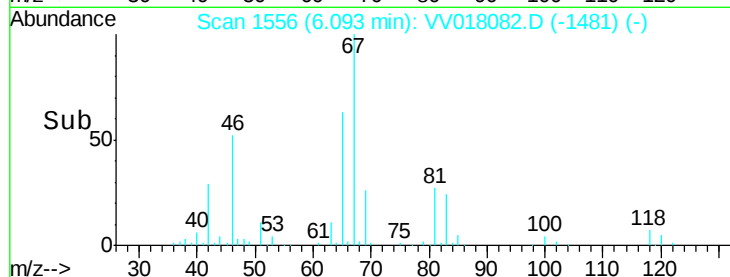
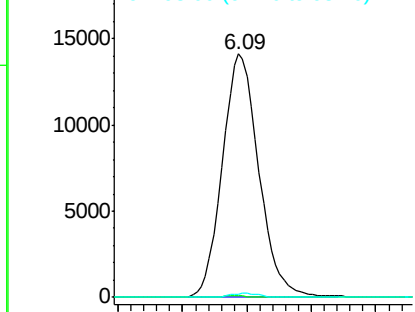
#35
Methylcyclohexane
Concen: 8.610 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018082.D
Acq: 24 Aug 2020 12:07

Instrument :
MSVOA_V
ClientSampleId :
BFSS9

Tgt Ion: 83 Resp: 27770
Ion Ratio Lower Upper
83 100
55 0.4 64.9 97.3#
98 1.2 38.7 58.1#

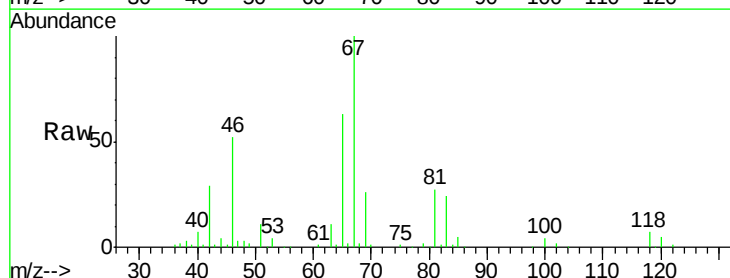


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

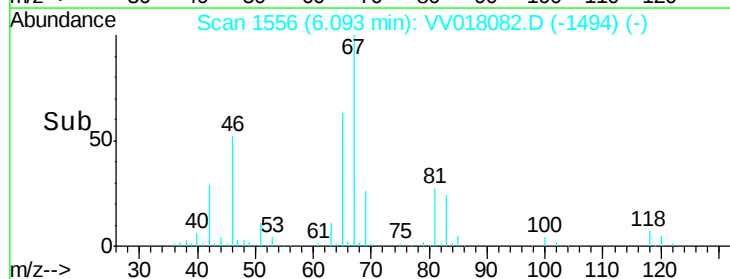
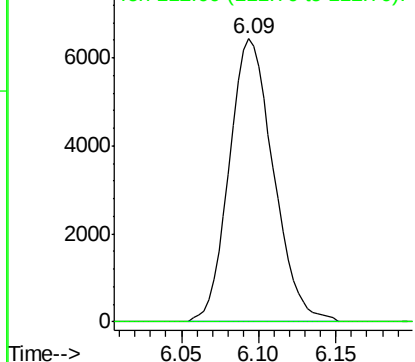


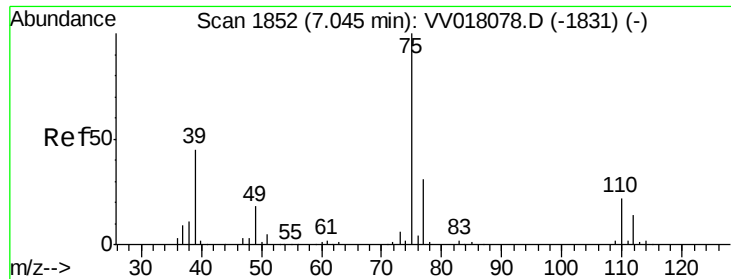
#37
1,2-Dichloropropane
Concen: 5.703 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018082.D
Acq: 24 Aug 2020 12:07

Tgt Ion: 63 Resp: 12762
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

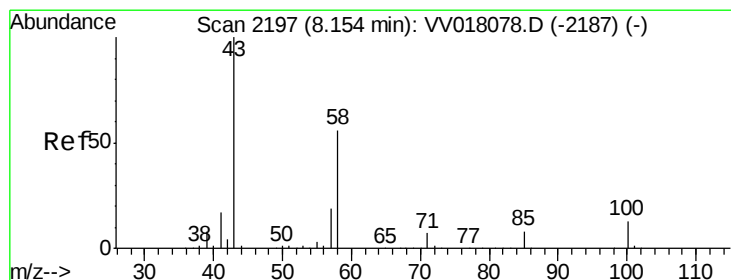
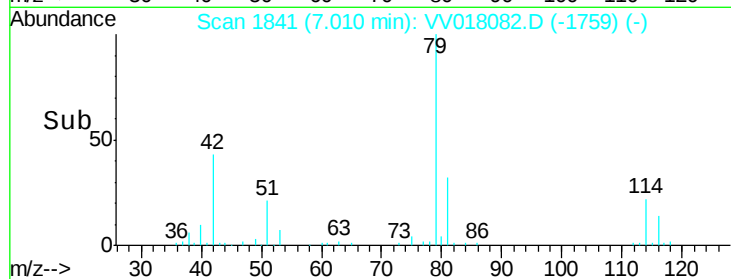
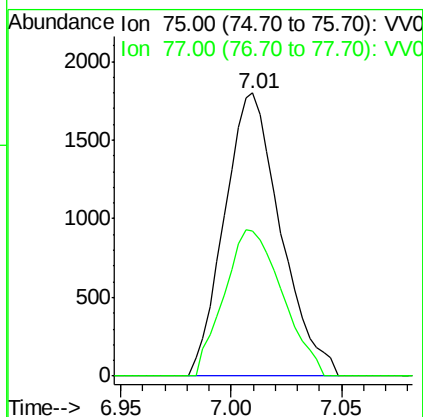
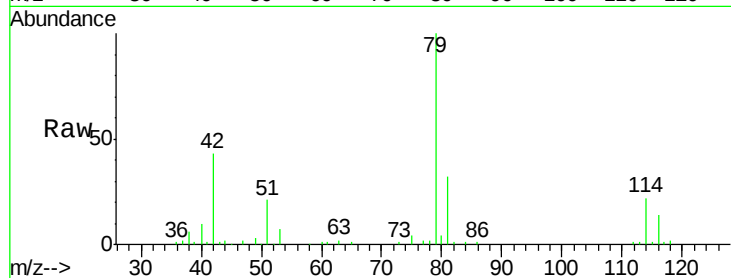




#39
 cis-1,3-Dichloropropene
 Concen: 1.004 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018082.D
 Acq: 24 Aug 2020 12:07

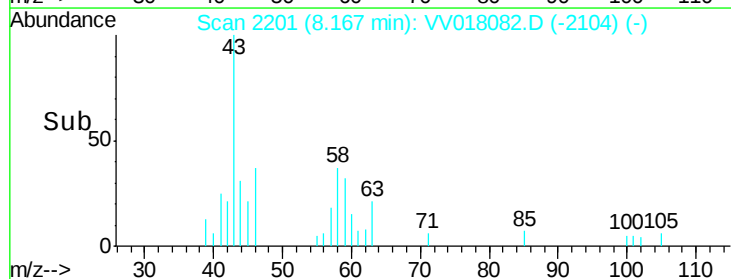
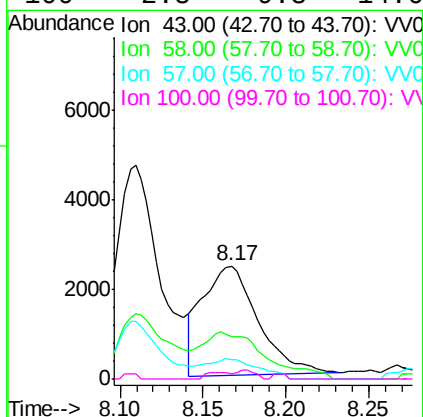
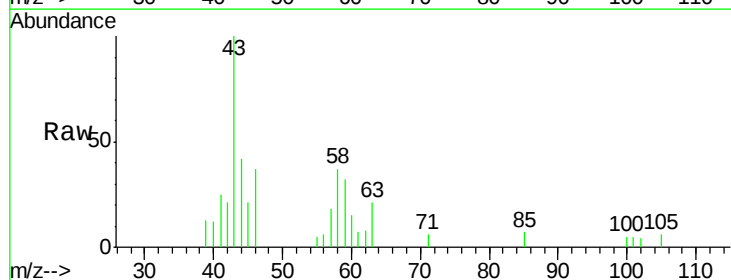
Instrument :
 MSVOA_V
 ClientSampled :
 BFSS9

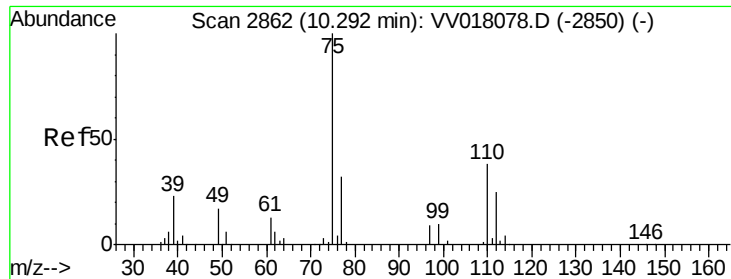
Tgt Ion: 75 Resp: 3184
 Ion Ratio Lower Upper
 75 100
 77 51.4 22.3 41.5#



#48
 2-Hexanone
 Concen: 2.415 ug/L
 RT: 8.17 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VV018082.D
 Acq: 24 Aug 2020 12:07

Tgt Ion: 43 Resp: 5696
 Ion Ratio Lower Upper
 43 100
 58 4.2 44.4 66.6#
 57 14.1 15.2 22.8#
 100 2.8 9.8 14.6#





#59
 1,2,3-Trichloropropane
 Concen: 5.496 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV018082.D
 Acq: 24 Aug 2020 12:07

Instrument :
 MSVOA_V
 ClientSampleId :
 BFSS9

Tgt Ion: 75 Resp: 15188
 Ion Ratio Lower Upper
 75 100
 77 35.8 25.7 38.5

