

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101320\
 Data File : VV018879.D
 Acq On : 13 Oct 2020 15:47
 Operator : SY/MD
 Sample : L4289-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK1

Quant Time: Oct 14 01:36:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 01:28:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	357666	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	353700	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167696	50.00	ug/L	0.00

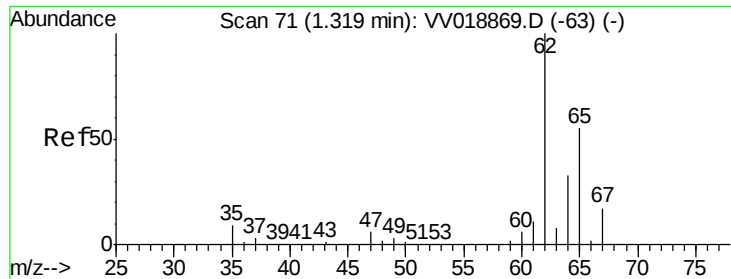
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	131979	40.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.22%
7) Chloroethane-d5	1.58	69	108804	41.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.18%
11) 1,1-Dichloroethene-d2	2.12	63	196232	31.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.64%
21) 2-Butanone-d5	3.90	46	198127	99.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.29%
24) Chloroform-d	4.37	84	253893	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.56%
26) 1,2-Dichloroethane-d4	5.05	65	176155	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.64%
32) Benzene-d6	5.07	84	499344	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.74%
36) 1,2-Dichloropropane-d6	6.09	67	164064	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.40%
41) Toluene-d8	7.34	98	438377	43.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.76%
43) trans-1,3-Dichloropropene-	7.64	79	70381	38.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.58%
47) 2-Hexanone-d5	8.11	63	108078	83.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.08%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	195868	45.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	178723	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	15562	4.928 ug/L #	80
8) Chloroethane	1.32	64	6972	3.372 ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1705	0.663 ug/L #	19
20) cis-1,2-Dichloroethene	3.94	96	29013	10.506 ug/L	97
27) 1,2-Dichloroethane	5.07	62	3443	0.804 ug/L	99
37) 1,2-Dichloropropane	6.09	63	19147	6.212 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	4547	1.044 ug/L #	41
48) 2-Hexanone	8.16	43	15464	4.890 ug/L #	85
59) 1,2,3-Trichloropropane	11.27	75	20986	5.722 ug/L	92

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



#5

Vinyl chloride

Concen: 4.928 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampled :

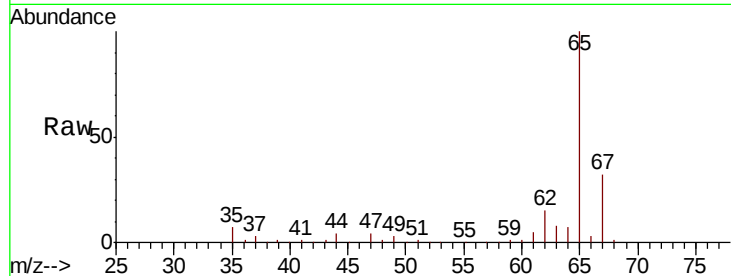
C0AK1

Tot Ion: 62 Resp: 15562

Ion Ratio Lower Upper

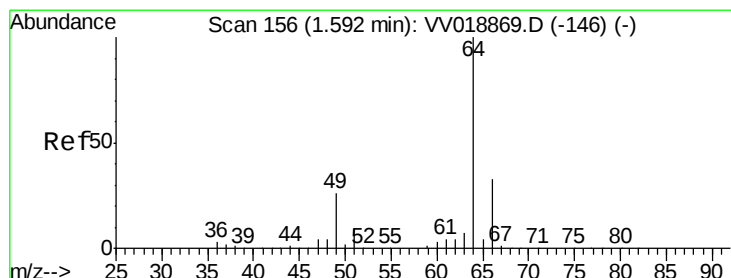
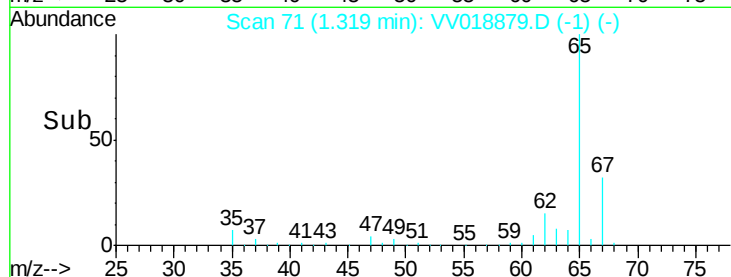
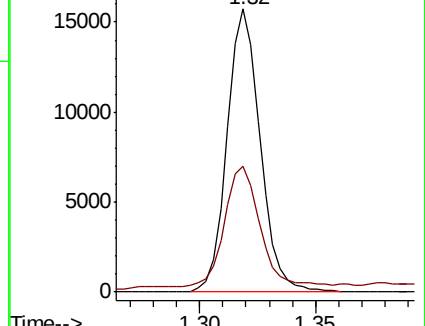
62 100

64 44.5 23.2 43.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 3.372 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.27 min

Lab File: VV018879.D

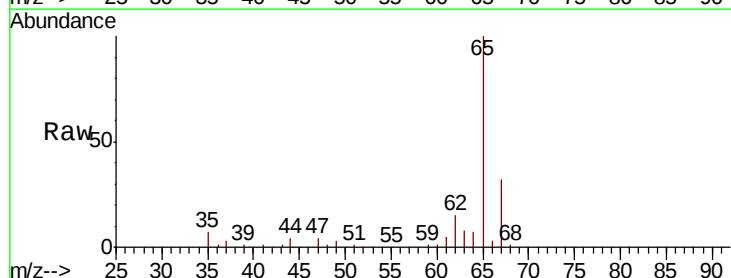
Acq: 13 Oct 2020 15:47

Tgt Ion: 64 Resp: 6972

Ion Ratio Lower Upper

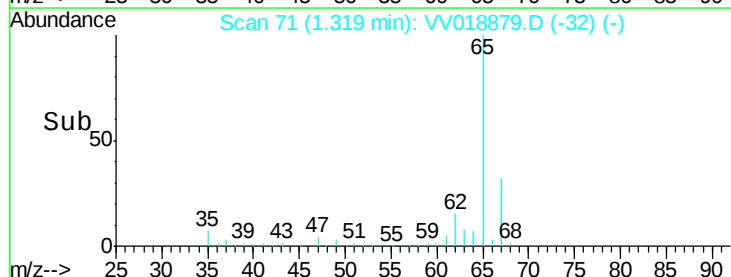
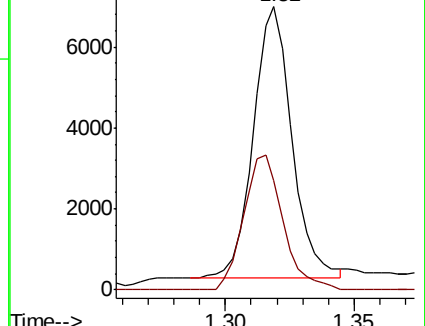
64 100

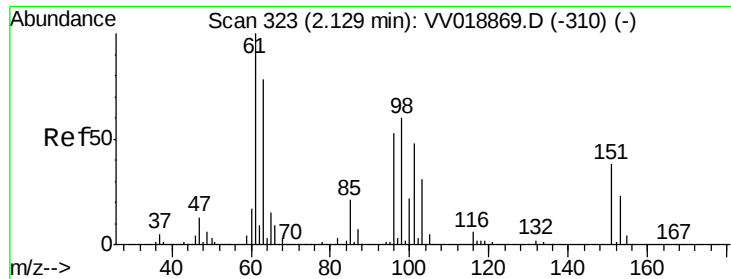
66 38.8 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#10

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

Concen: 0.663 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018879.D

Acq: 13 Oct 2020 15:47

Instrument :

MSVOA_V

ClientSampleId :

C0AK1

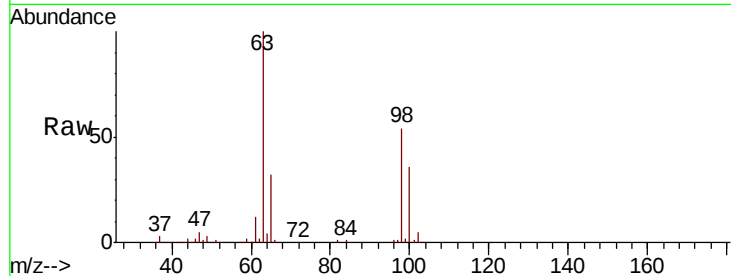
Tot Ion:101 Resp: 1705

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

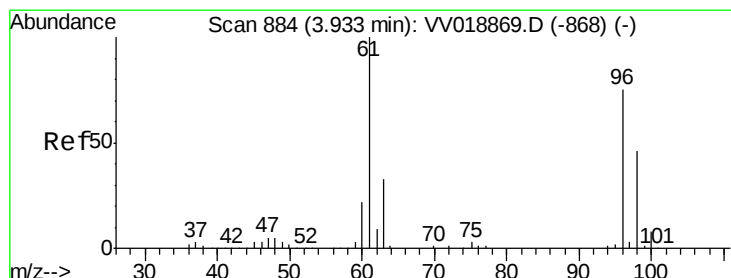
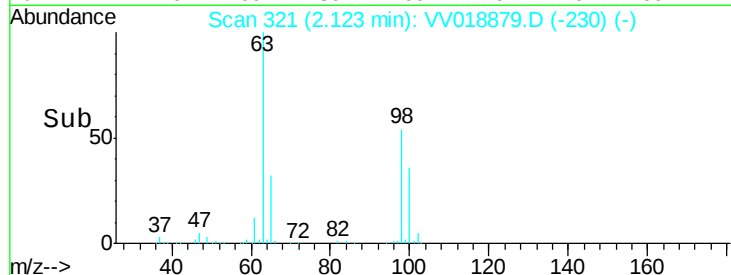
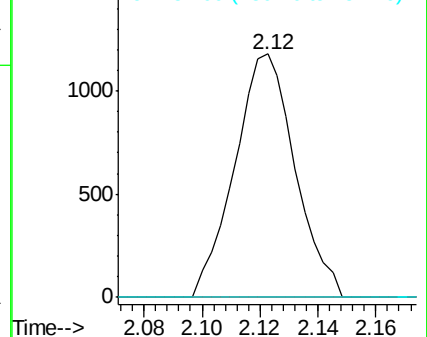
151 0.0 59.8 89.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#20

cis-1,2-Dichloroethene

Concen: 10.506 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018879.D

Acq: 13 Oct 2020 15:47

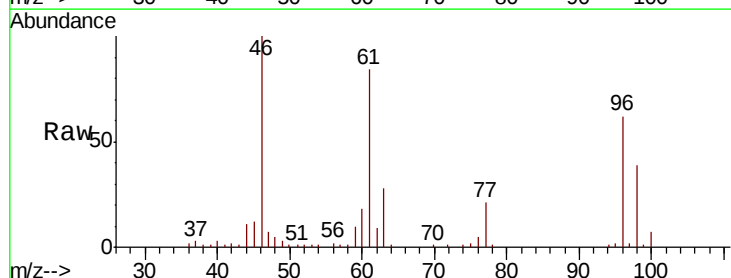
Tgt Ion: 96 Resp: 29013

Ion Ratio Lower Upper

96 100

61 135.3 97.3 180.7

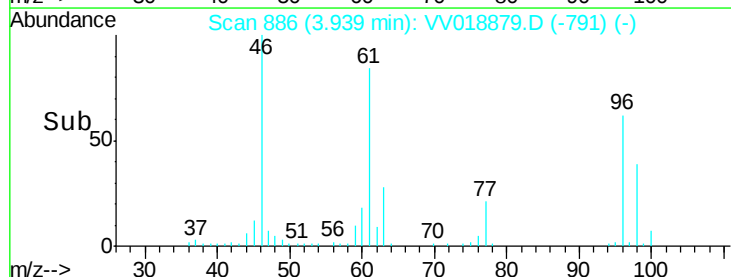
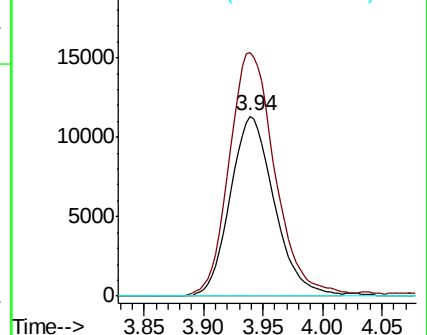
68 0.0 0.0 0.0

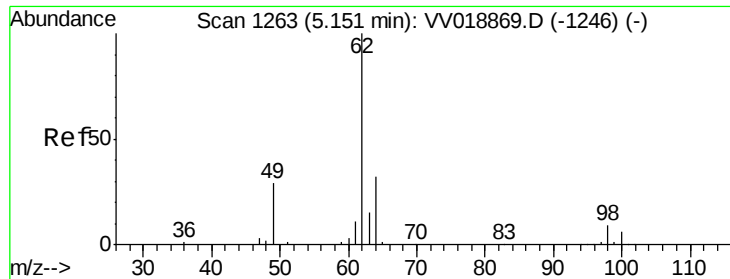


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

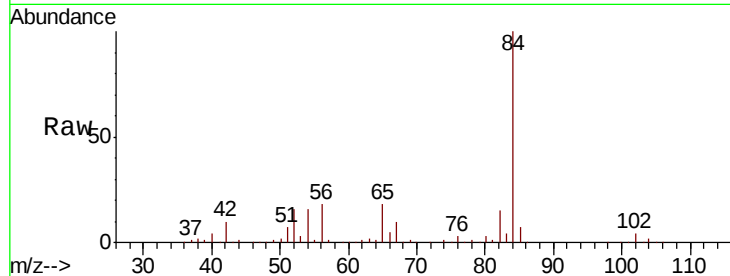




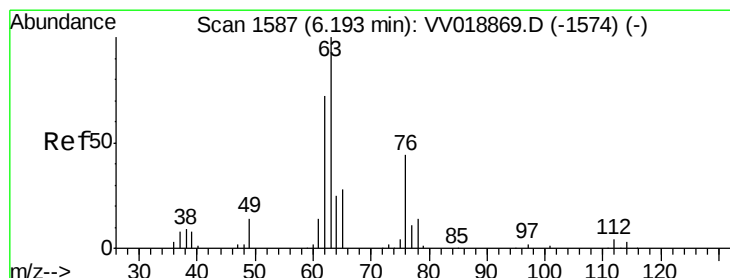
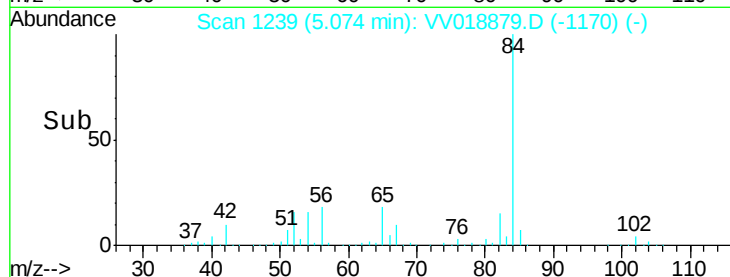
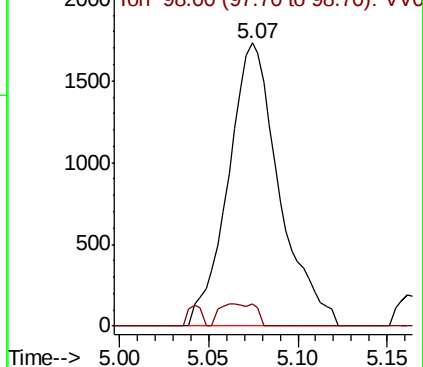
#27
 1,2-Dichloroethane
 Concen: 0.804 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV018879.D
 Acq: 13 Oct 2020 15:47

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK1

Tot Ion: 62 Resp: 3443
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.6 10.0

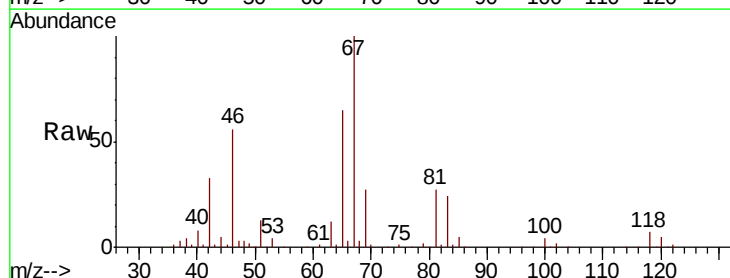


Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

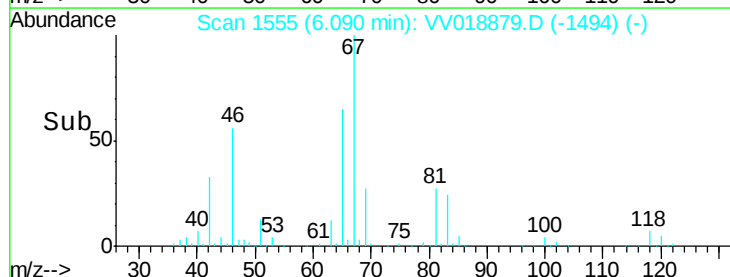
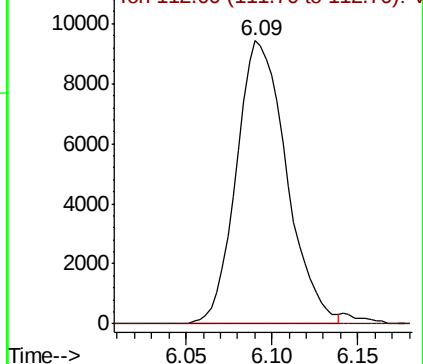


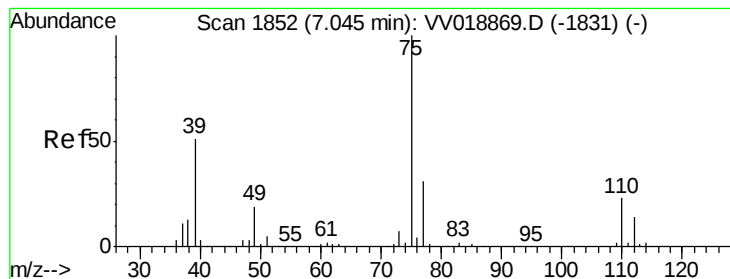
#37
 1,2-Dichloropropane
 Concen: 6.212 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.10 min
 Lab File: VV018879.D
 Acq: 13 Oct 2020 15:47

Tgt Ion: 63 Resp: 19147
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



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



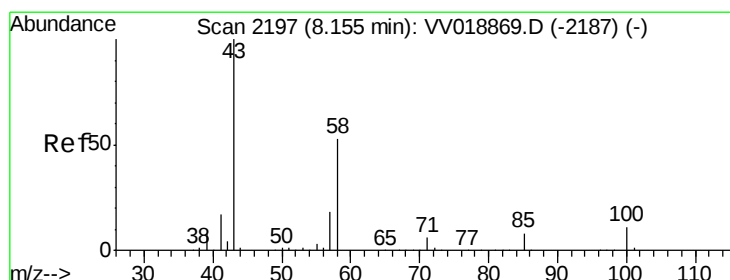
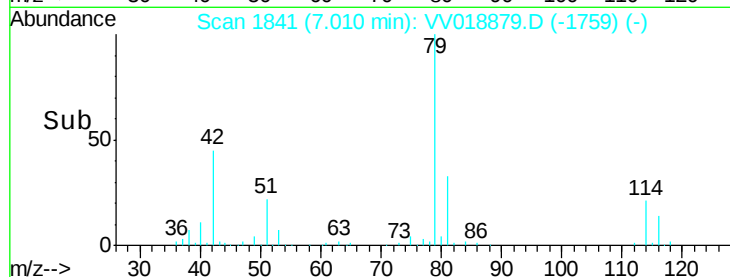
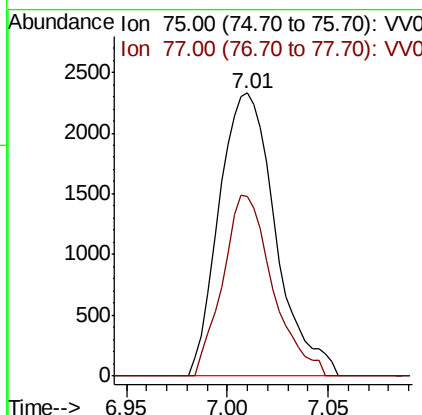
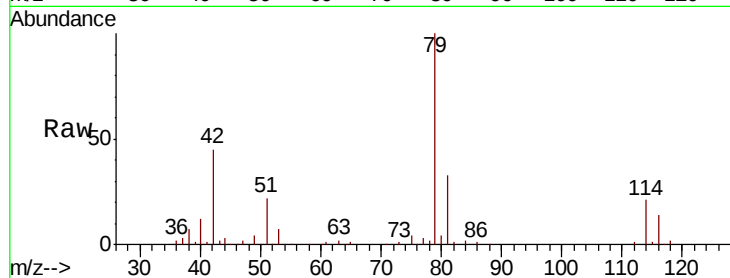


#39

cis-1,3-Dichloropropene
 Concen: 1.044 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018879.D
 Acq: 13 Oct 2020 15:47

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK1

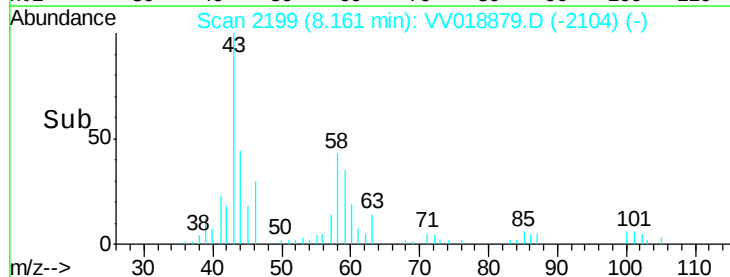
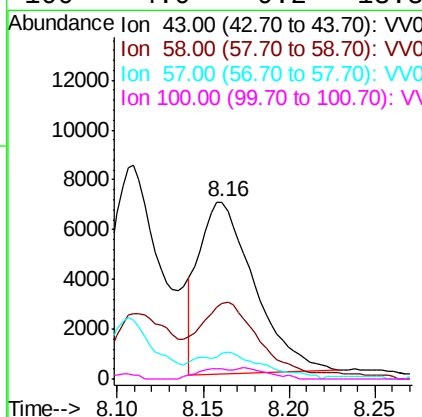
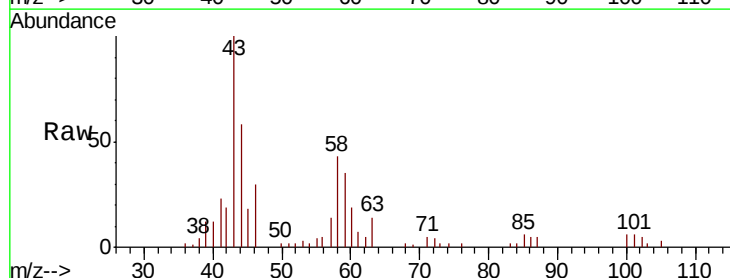
Tot Ion: 75 Resp: 4547
 Ion Ratio Lower Upper
 75 100
 77 63.6 21.8 40.6#

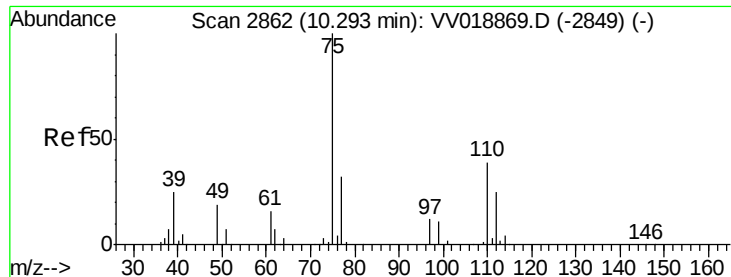


#48

2-Hexanone
 Concen: 4.890 ug/L
 RT: 8.16 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: VV018879.D
 Acq: 13 Oct 2020 15:47

Tgt Ion: 43 Resp: 15464
 Ion Ratio Lower Upper
 43 100
 58 44.5 41.8 62.8
 57 8.1 14.9 22.3#
 100 4.0 9.2 13.8#





#59

1,2,3-Trichloropropane

Concen: 5.722 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018879.D

Acq: 13 Oct 2020 15:47

Instrument :

MSVOA_V

ClientSampleId :

C0AK1

Tot Ion: 75 Resp: 20986

Ion Ratio Lower Upper

75 100

77 36.9 25.9 38.9

