

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072020\
 Data File : VV017554.D
 Acq On : 20 Jul 2020 18:56
 Operator : SY/MD
 Sample : L3336-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 21 01:47:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 18:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	274300	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	264663	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	137078	50.00	ug/L	0.00

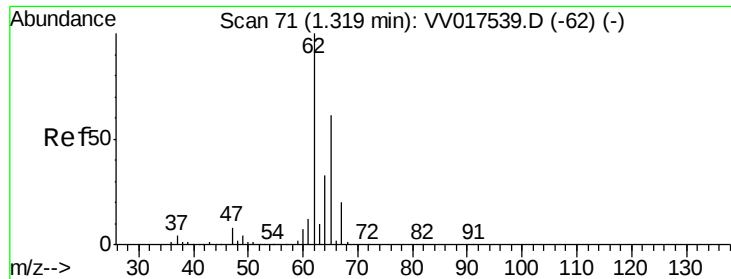
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78148	51.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.14%
7) Chloroethane-d5	1.58	69	54570	43.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.66%
11) 1,1-Dichloroethene-d2	2.12	63	126041	33.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.74%
21) 2-Butanone-d5	3.90	46	99543	89.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.54%
24) Chloroform-d	4.59	84	247	0.07	ug/L	0.22
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.14%#
26) 1,2-Dichloroethane-d4	5.06	65	117976	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
32) Benzene-d6	5.07	84	274841	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
36) 1,2-Dichloropropane-d6	6.09	67	81394	47.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.54%
41) Toluene-d8	7.34	98	253904	45.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.64	79	46757	44.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.28%
47) 2-Hexanone-d5	8.11	63	82375	101.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	119961	48.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	114735	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	3809	1.733	ug/L #	37
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1479	0.723	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1328	0.726	ug/L #	1
13) Acetone	2.18	43	4873	3.593	ug/L	93
16) Methylene chloride	2.52	84	2655	1.294	ug/L	94
18) Methyl tert-butyl Ether	2.78	73	20772	3.257	ug/L #	86
19) 1,1-Dichloroethane	3.21	63	26894	8.132	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	4021	2.070	ug/L	71
27) 1,2-Dichloroethane	5.16	62	11994	3.766	ug/L	97
35) Methylcyclohexane	6.09	83	22684	8.161	ug/L #	19
39) cis-1,3-Dichloropropene	7.01	75	3220	1.097	ug/L #	53

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



#5

Vinyl chloride

Concen: 1.733 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

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MSVOA_V

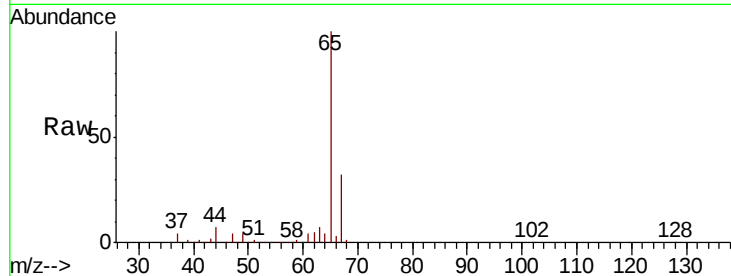
ClientSampleId :

Tot Ion: 62 Resp: 3809

Ion Ratio Lower Upper

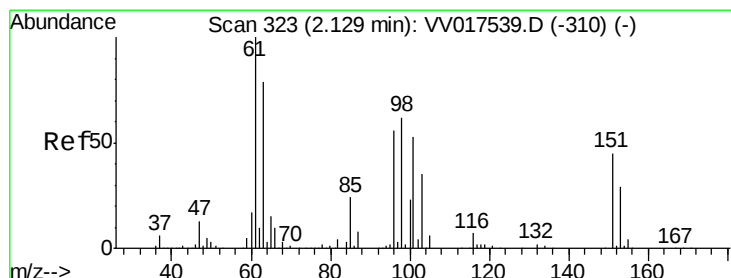
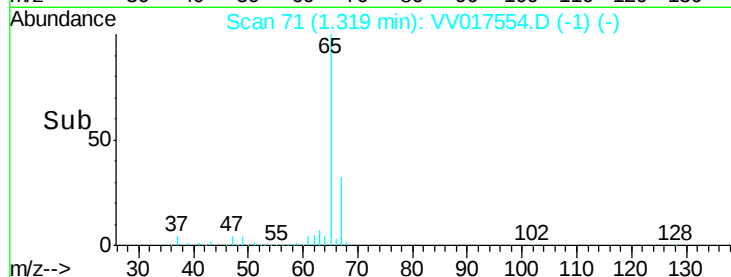
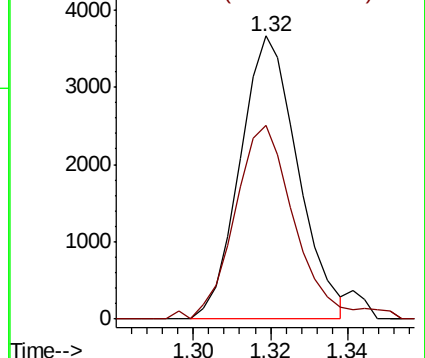
62 100

64 68.7 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VV017539.D (-62) (-)

Ion 64.00 (63.70 to 64.70): VV017539.D (-62) (-)



#10

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

Concen: 0.723 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017554.D

Acq: 20 Jul 2020 18:56

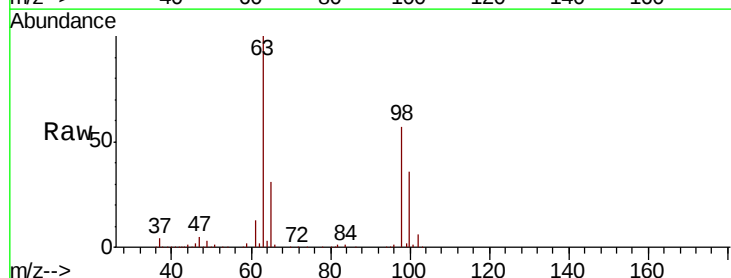
Tgt Ion: 101 Resp: 1479

Ion Ratio Lower Upper

101 100

85 2.9 36.2 54.4#

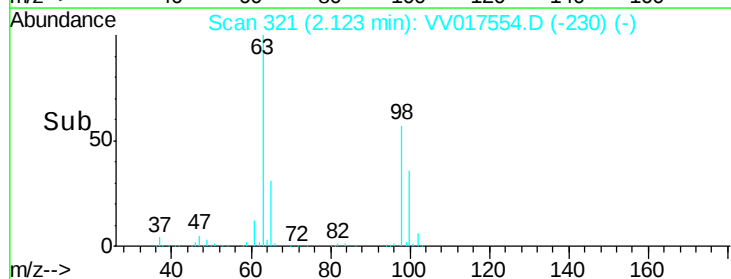
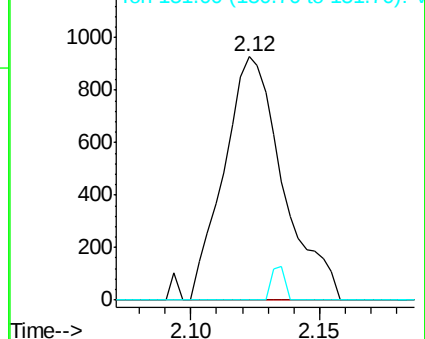
151 3.2 65.9 98.9#

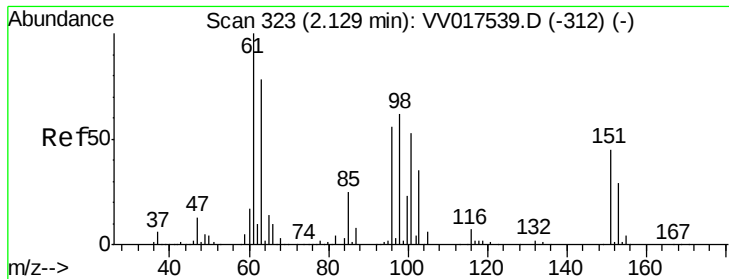


Abundance Ion 101.00 (100.70 to 101.70): VV017539.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017539.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017539.D (-310) (-)





#12

1,1-Dichloroethene

Concen: 0.726 ug/L

RT: 2.12 min Scan# 321

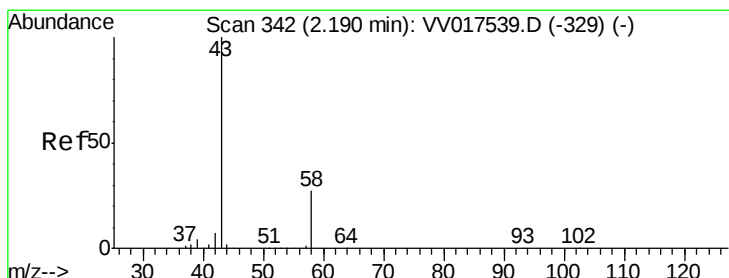
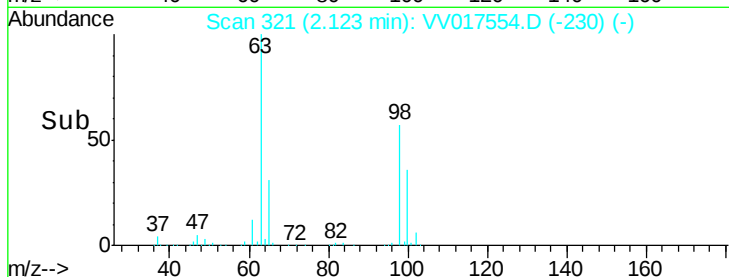
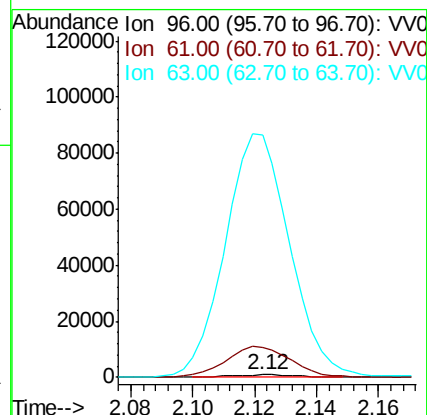
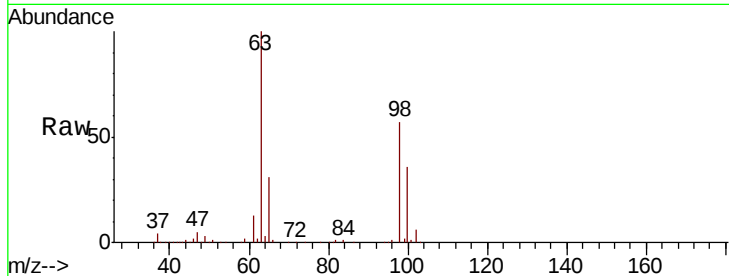
Delta R.T. -0.01 min

Lab File: VV017554.D

Acq: 20 Jul 2020 18:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	96	Resp:	1328
Ion	Ratio	Lower	Upper
96	100		
61	1208.7	126.0	234.0#
63	9643.8	99.8	185.4#



#13

Acetone

Concen: 3.593 ug/L

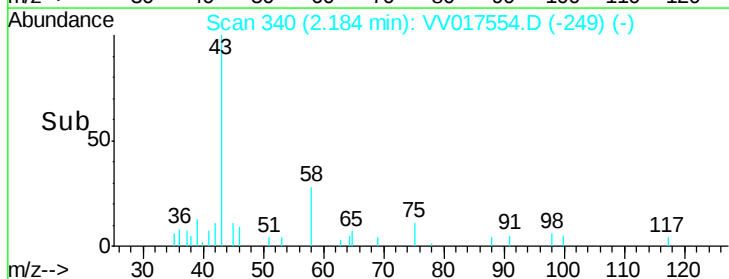
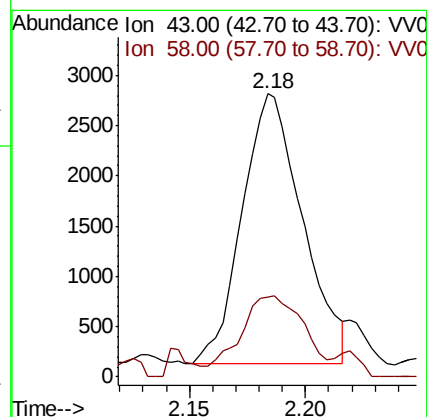
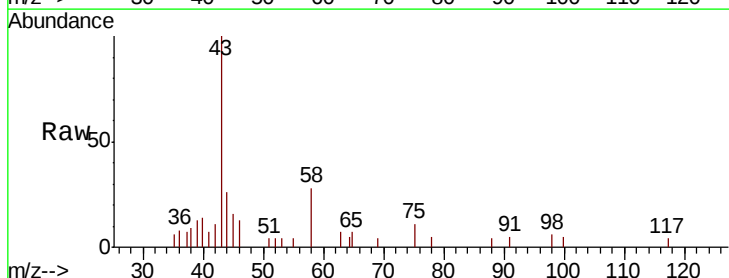
RT: 2.18 min Scan# 340

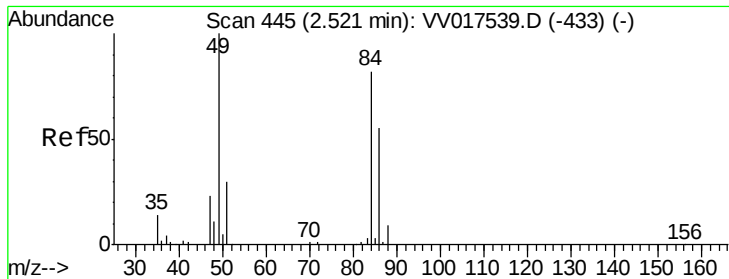
Delta R.T. -0.01 min

Lab File: VV017554.D

Acq: 20 Jul 2020 18:56

Tgt Ion:	43	Resp:	4873
Ion	Ratio	Lower	Upper
43	100		
58	31.5	0.0	56.0

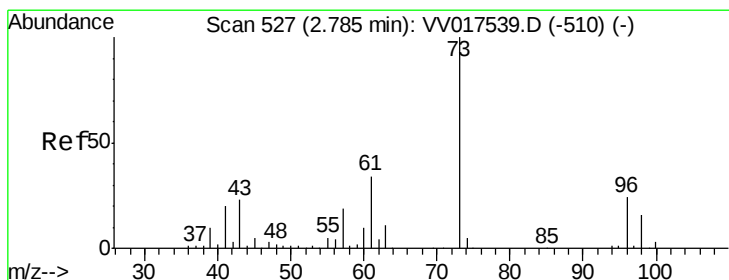
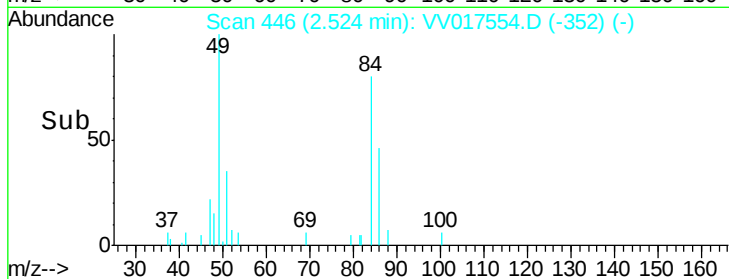
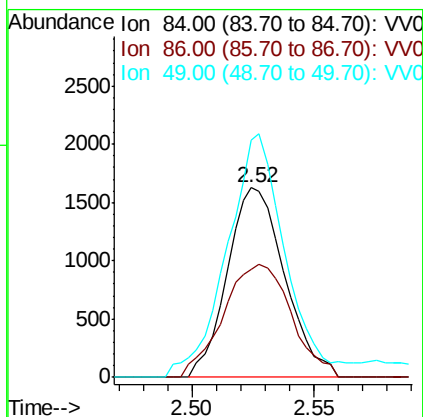
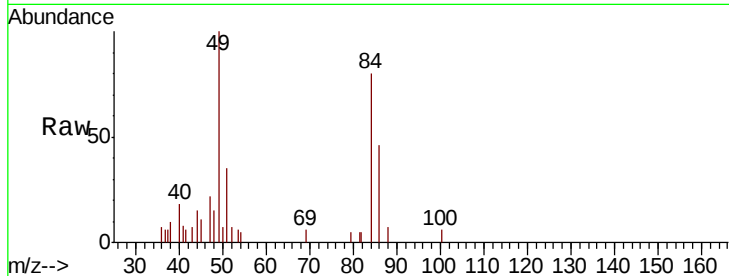




#16
Methvlene chloride
Concen: 1.294 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017554.D
Acq: 20 Jul 2020 18:56

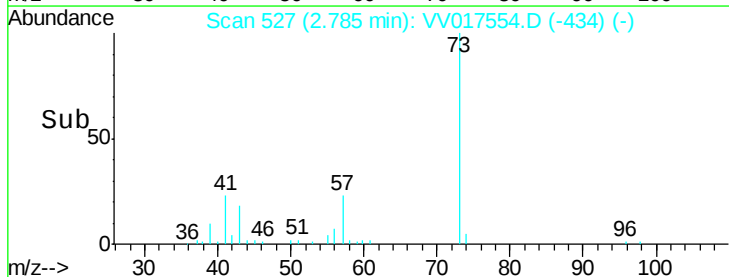
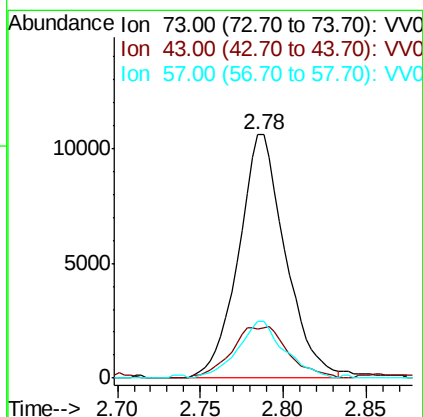
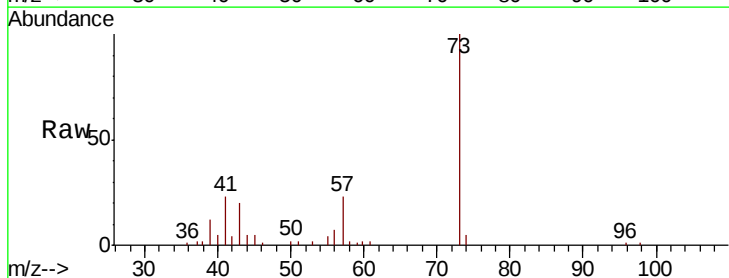
Instrument :
MSVOA_V
ClientSampleId :

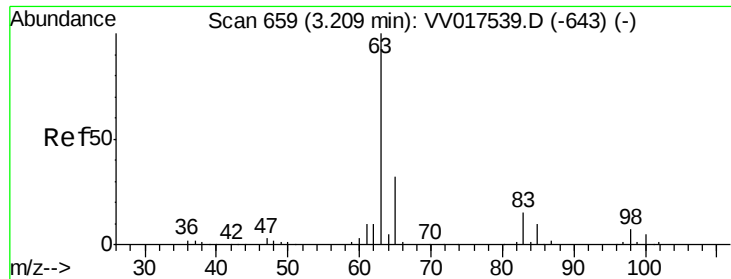
Tot Ion: 84 Resp: 2655
Ion Ratio Lower Upper
84 100
86 56.9 47.1 87.5
49 124.9 85.8 159.4



#18
Methyl tert-butyl Ether
Concen: 3.257 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV017554.D
Acq: 20 Jul 2020 18:56

Tgt Ion: 73 Resp: 20772
Ion Ratio Lower Upper
73 100
43 13.0 18.1 27.1#
57 23.3 15.8 23.8

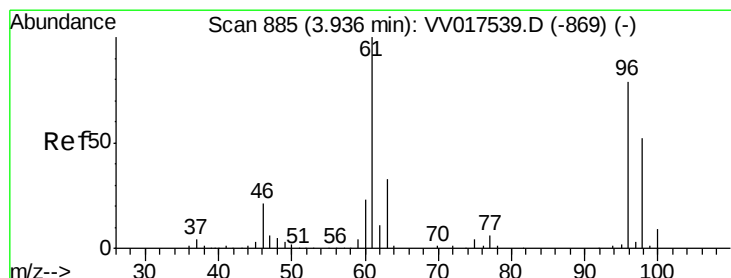
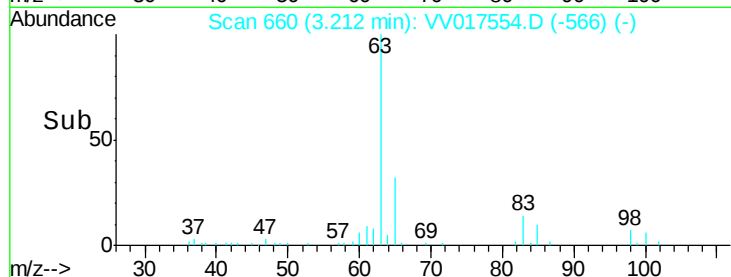
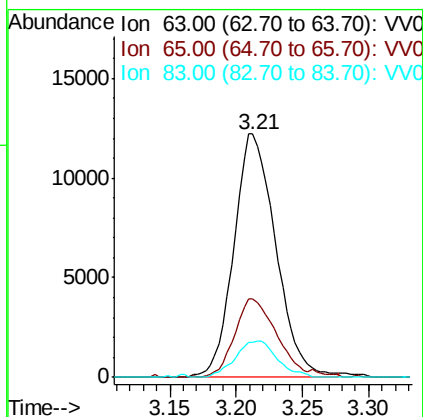
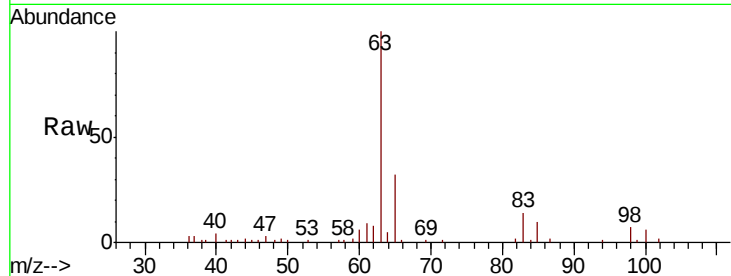




#19
 1,1-Dichloroethane
 Concen: 8.132 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017554.D
 Acq: 20 Jul 2020 18:56

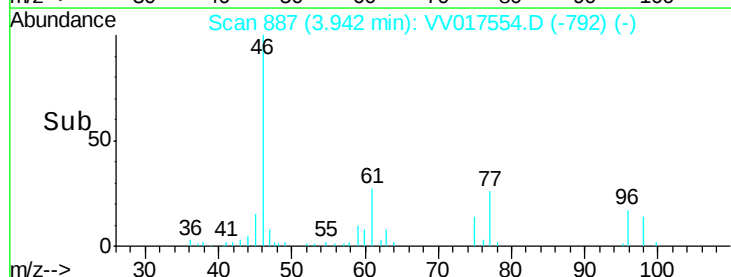
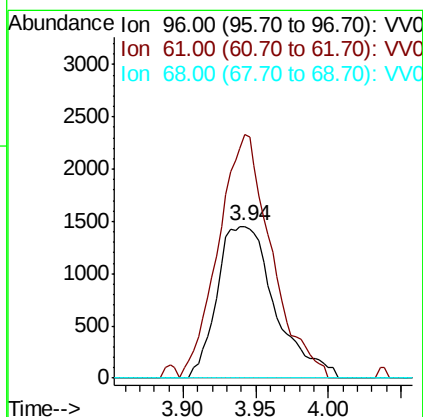
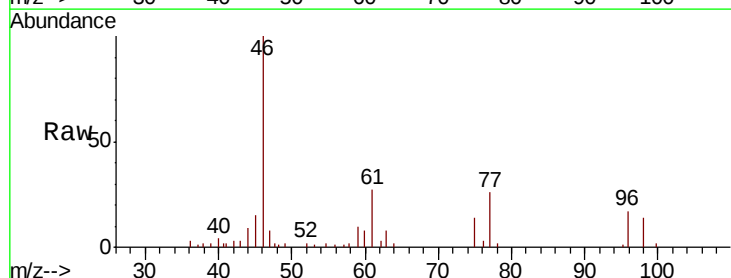
Instrument :
 MSVOA_V
 ClientSampleId :

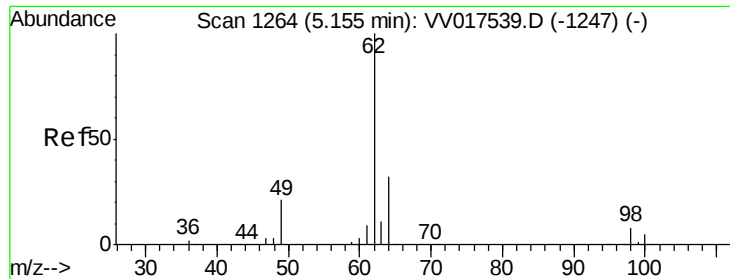
Tot Ion: 63 Resp: 26894
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.0 41.0
 83 14.2 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 2.070 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV017554.D
 Acq: 20 Jul 2020 18:56

Tgt Ion: 96 Resp: 4021
 Ion Ratio Lower Upper
 96 100
 61 160.2 88.5 164.4
 68 0.0 0.0 0.0

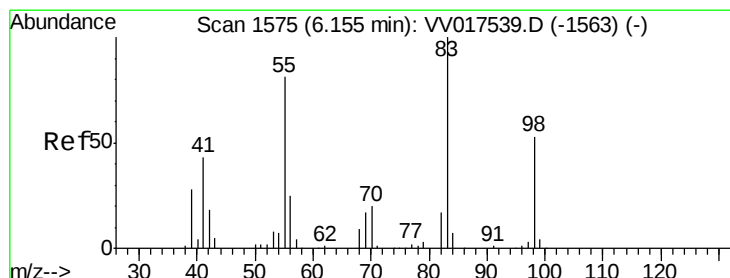
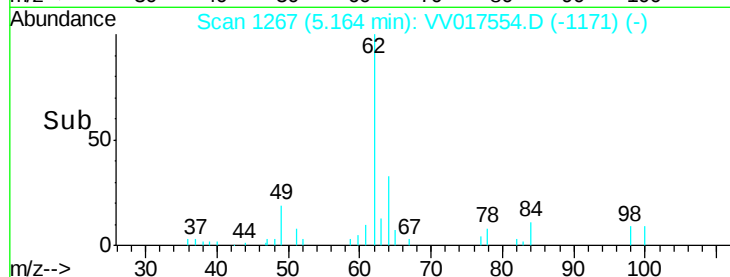
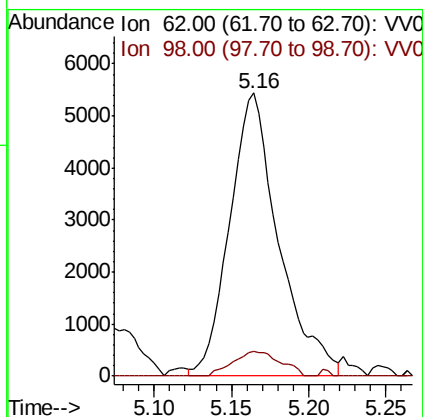
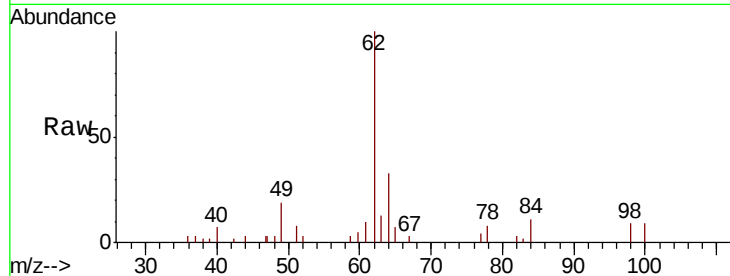




#27
 1,2-Dichloroethane
 Concen: 3.766 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV017554.D
 Acq: 20 Jul 2020 18:56

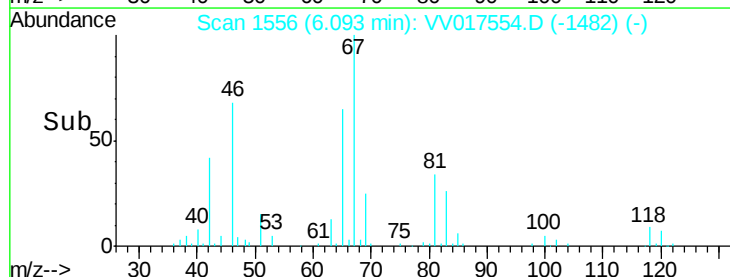
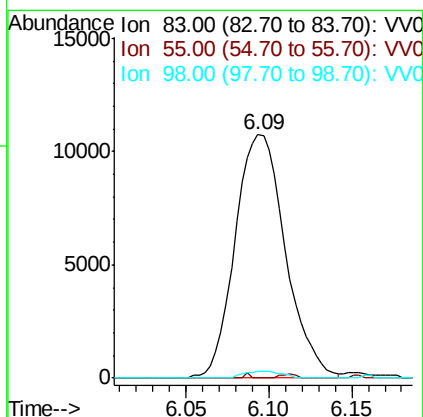
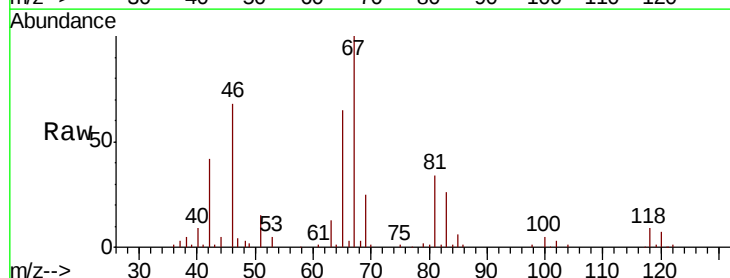
Instrument :
 MSVOA_V
 ClientSampleId :

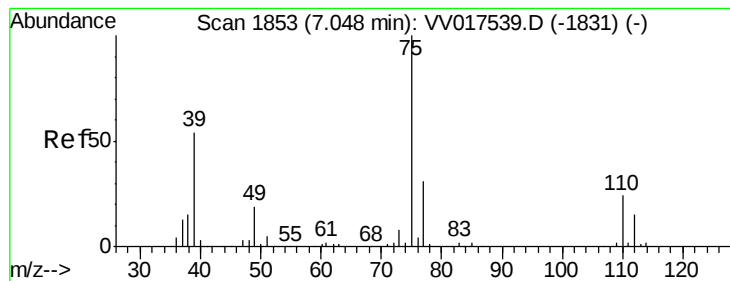
Tot Ion: 62 Resp: 11994
 Ion Ratio Lower Upper
 62 100
 98 8.8 6.2 9.4



#35
 Methylcyclohexane
 Concen: 8.161 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV017554.D
 Acq: 20 Jul 2020 18:56

Tgt Ion: 83 Resp: 22684
 Ion Ratio Lower Upper
 83 100
 55 0.5 60.7 91.1#
 98 2.1 40.8 61.2#





#39
 cis-1,3-Dichloropropene
 Concen: 1.097 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017554.D
 Acq: 20 Jul 2020 18:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 3220
 Ion Ratio Lower Upper
 75 100
 77 56.2 21.4 39.8#

