

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017310.D
 Acq On : 02 Jul 2020 14:56
 Operator : SY/MD
 Sample : L3154-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 03 01:18:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 01:13:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	184129	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	172076	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	83153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42100	3.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.20%
7) Chloroethane-d5	1.58	69	39079	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.13	63	66004	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	3.92	46	120701	42.85	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.70%
24) Chloroform-d	4.38	84	106520	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.06	65	57482	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.08	84	188617	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.10	67	56122	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.00%
41) Toluene-d8	7.34	98	167603	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
45) trans-1,3-Dichloropropene-	7.65	79	20724	3.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.40%
48) 2-Hexanone-d5	8.11	63	82346	38.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.66%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40489	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	71997	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	20794	1.721	ug/L #	77
8) Chloroethane	1.49	64	344453	51.585	ug/L #	51
12) 1,1-Dichloroethene	2.13	96	756	0.086	ug/L #	1
14) Carbon disulfide	2.32	76	2169	0.082	ug/L #	84
16) Methylene chloride	2.52	84	971	0.103	ug/L	80
17) Methyl tert-butyl Ether	2.79	73	632999	28.528	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	2615	0.279	ug/L	73
19) 1,1-Dichloroethane	3.22	63	26435	1.256	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	8639	0.675	ug/L	93
27) 1,2-Dichloroethane	5.17	62	588	0.041	ug/L #	76
33) Benzene	5.14	78	16482	0.366	ug/L	100
34) Trichloroethene	5.94	95	5289	0.401	ug/L	91
35) Methylcyclohexane	6.10	83	15393	0.750	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	7320	0.656	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	2020	0.122	ug/L	85
46) trans-1,3-Dichloropropene	7.64	75	1125	0.078	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
Data File : VV017310.D
Acq On : 02 Jul 2020 14:56
Operator : SY/MD
Sample : L3154-07
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jul 03 01:18:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 01:13:36 2020
Response via : Initial Calibration

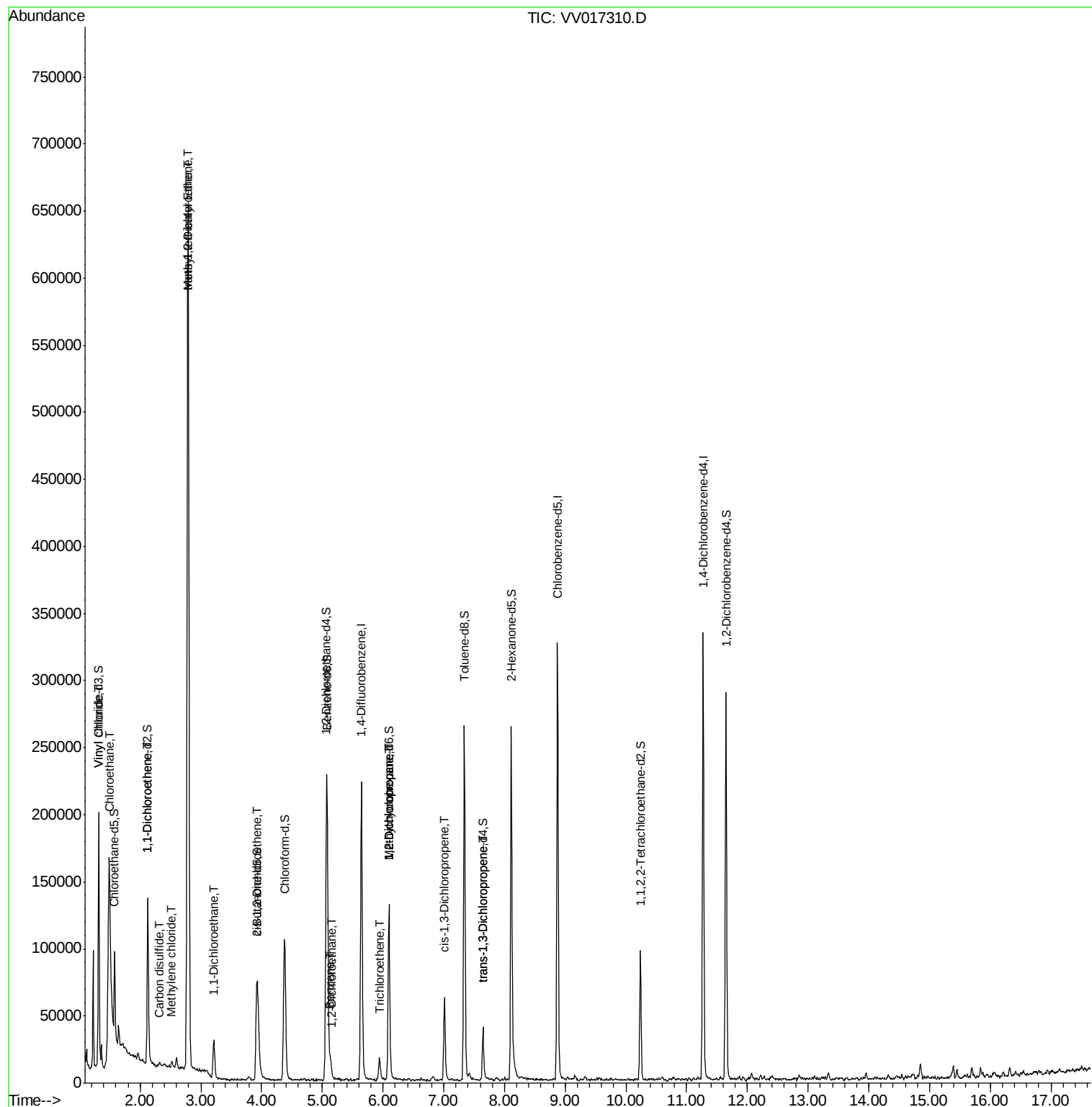
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

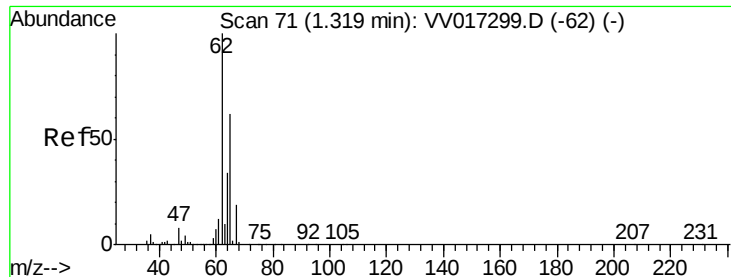
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
Data File : VV017310.D
Acq On : 02 Jul 2020 14:56
Operator : SY/MD
Sample : L3154-07
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jul 03 01:18:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 03 01:13:36 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.721 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017310.D

Acq: 02 Jul 2020 14:56

Instrument :

MSVOA_V

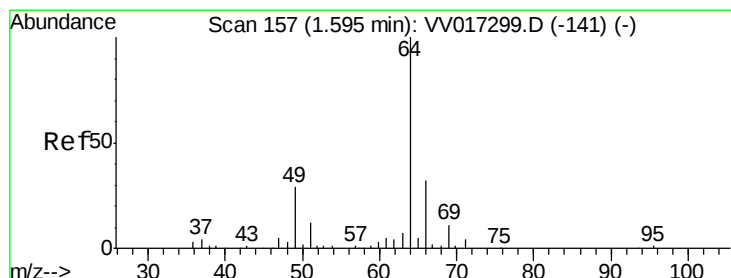
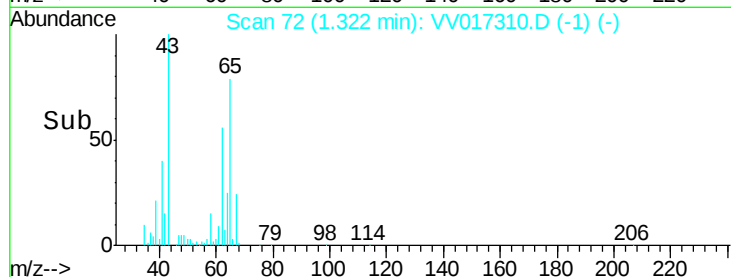
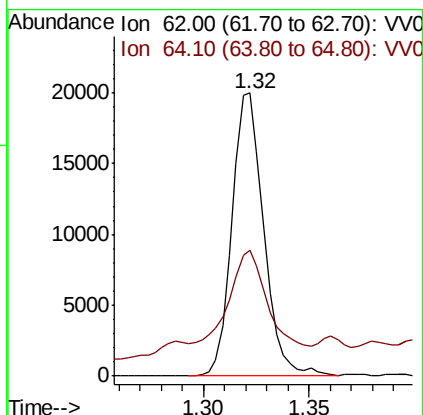
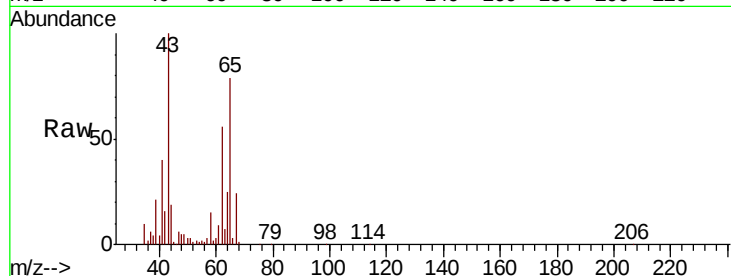
ClientSampleId :

Tot Ion: 62 Resp: 20794

Ion Ratio Lower Upper

62 100

64 44.7 22.5 41.7#



#8

Chloroethane

Concen: 51.585 ug/L

RT: 1.49 min Scan# 124

Delta R.T. -0.11 min

Lab File: VV017310.D

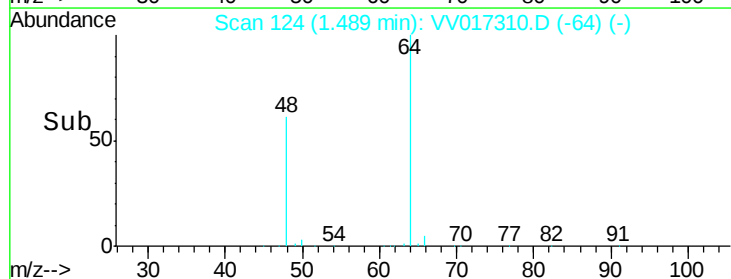
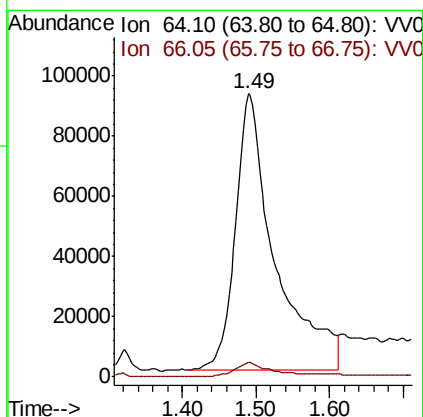
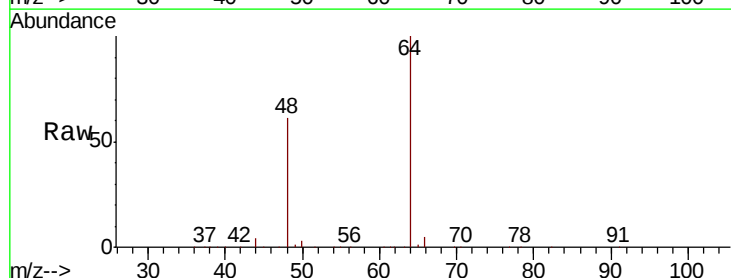
Acq: 02 Jul 2020 14:56

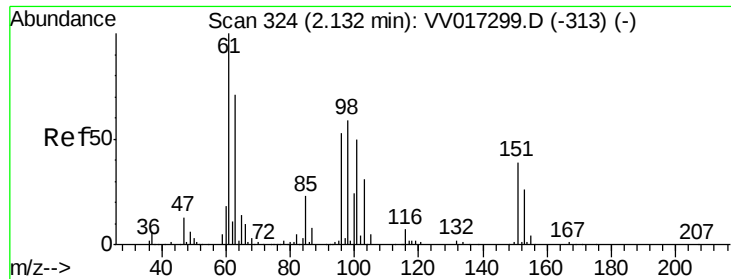
Tgt Ion: 64 Resp: 344453

Ion Ratio Lower Upper

64 100

66 5.1 22.8 42.4#





#12

1,1-Dichloroethene

Concen: 0.086 ug/L

RT: 2.13 min Scan# 324

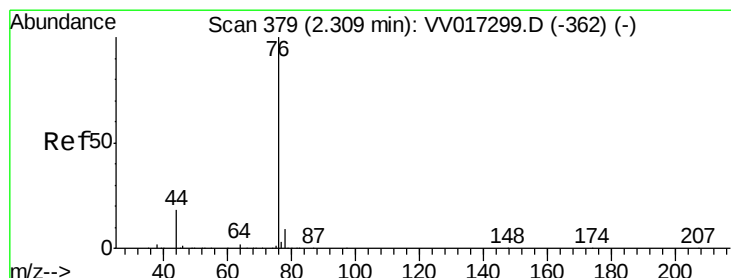
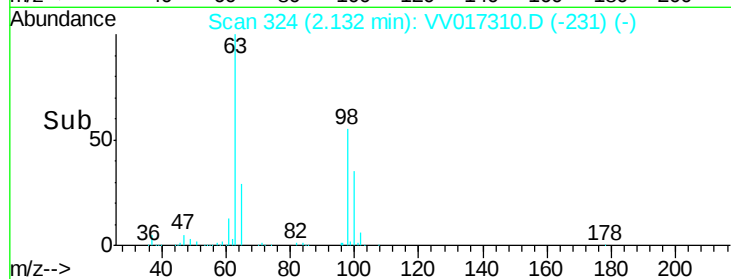
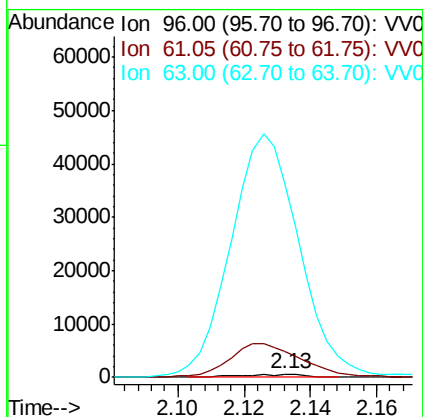
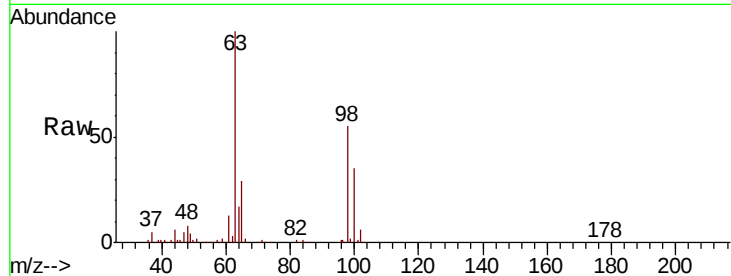
Delta R.T. 0.00 min

Lab File: VV017310.D

Acq: 02 Jul 2020 14:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 756
Ion Ratio Lower Upper
96 100
61 814.5 125.0 232.2#
63 6156.6 109.8 203.8#



#14

Carbon disulfide

Concen: 0.082 ug/L

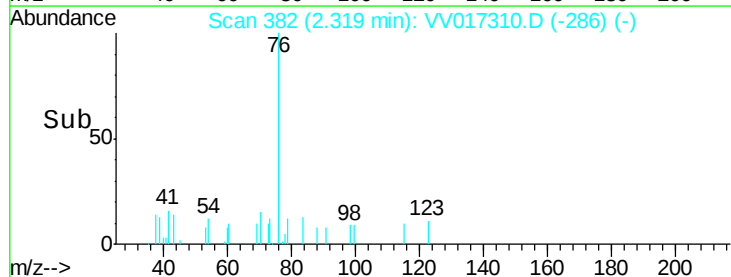
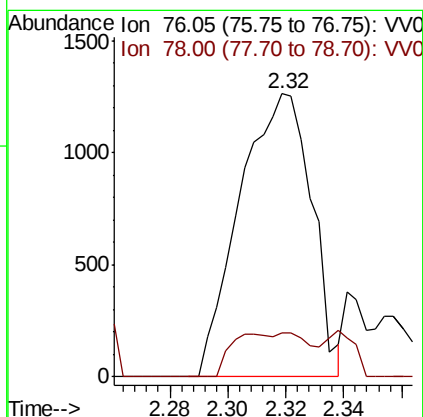
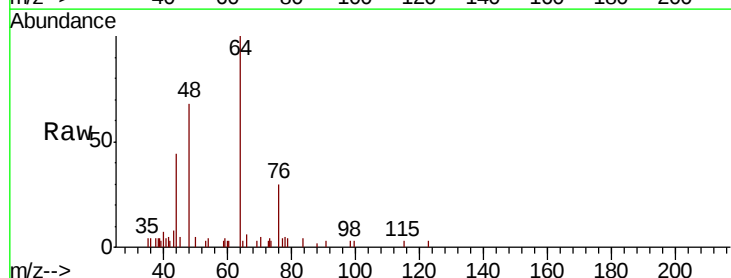
RT: 2.32 min Scan# 382

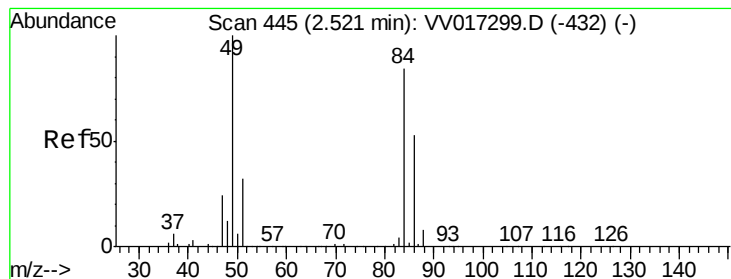
Delta R.T. 0.01 min

Lab File: VV017310.D

Acq: 02 Jul 2020 14:56

Tgt Ion: 76 Resp: 2169
Ion Ratio Lower Upper
76 100
78 15.4 7.7 11.5#





#16

Methylene chloride

Concen: 0.103 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017310.D

Acq: 02 Jul 2020 14:56

Instrument :
MSVOA_V
ClientSampled :

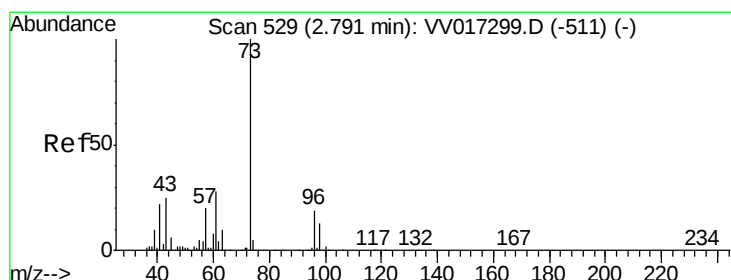
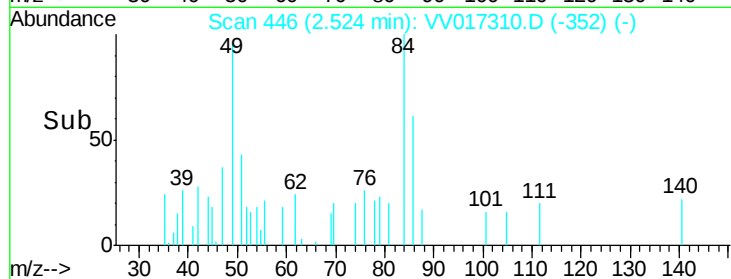
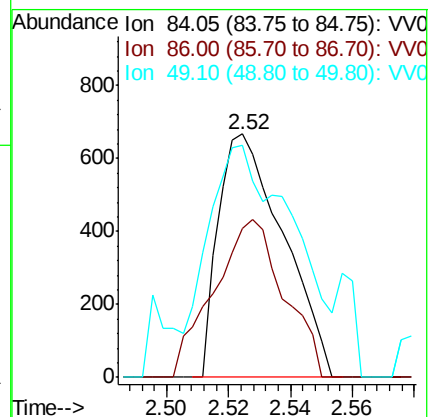
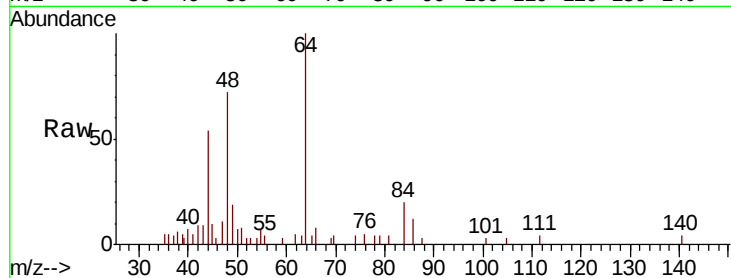
Tot Ion: 84 Resp: 971

Ion Ratio Lower Upper

84 100

86 61.4 45.8 85.0

49 95.5 89.6 166.4



#17

Methyl tert-butyl Ether

Concen: 28.528 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV017310.D

Acq: 02 Jul 2020 14:56

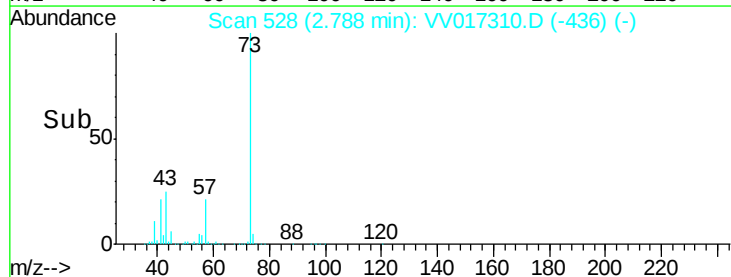
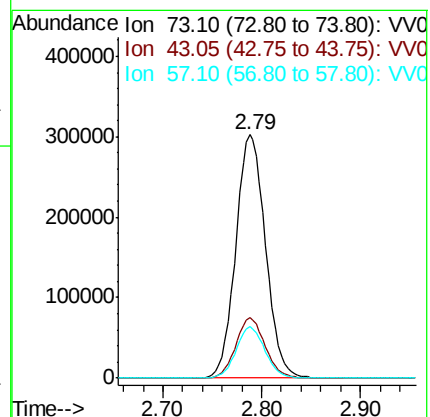
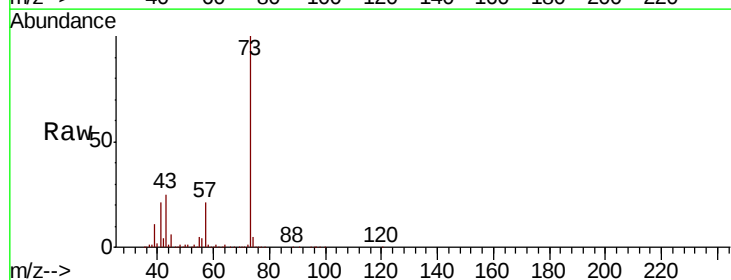
Tgt Ion: 73 Resp: 632999

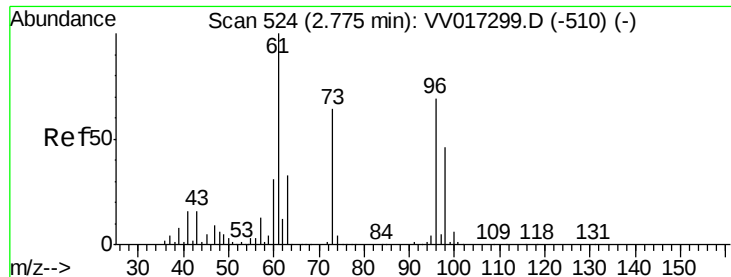
Ion Ratio Lower Upper

73 100

43 24.2 18.6 28.0

57 20.5 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 0.279 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV017310.D

Acq: 02 Jul 2020 14:56

Instrument :
MSVOA_V
ClientSampled :

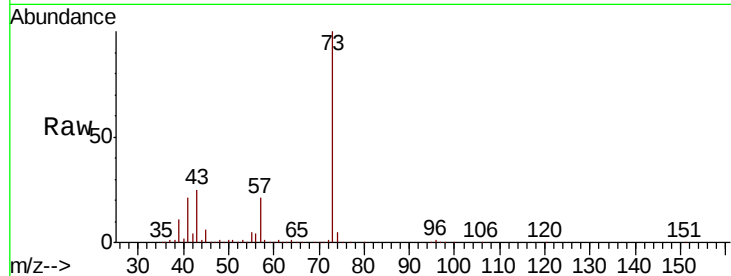
Tot Ion: 96 Resp: 2615

Ion Ratio Lower Upper

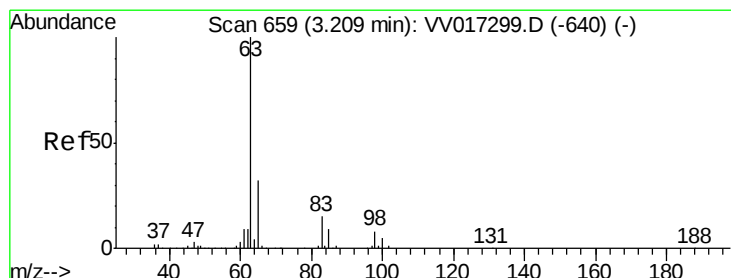
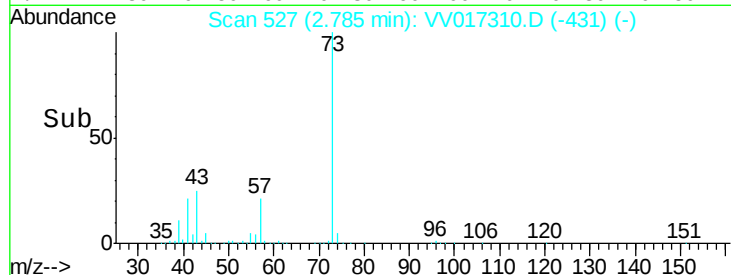
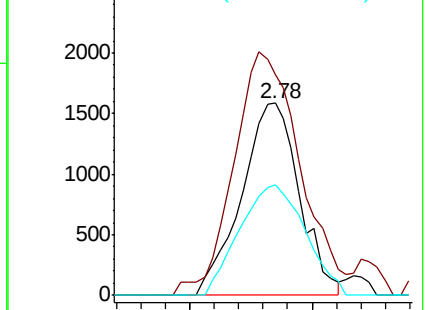
96 100

61 105.5 102.3 189.9

98 52.7 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 1.256 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV017310.D

Acq: 02 Jul 2020 14:56

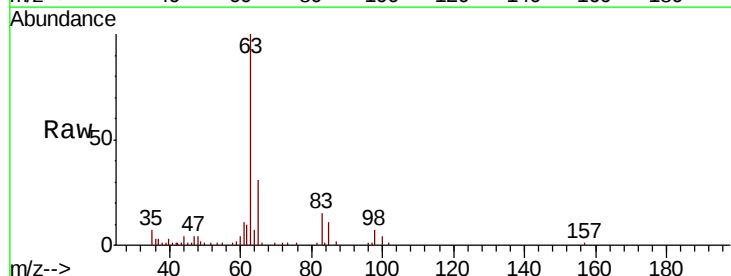
Tgt Ion: 63 Resp: 26435

Ion Ratio Lower Upper

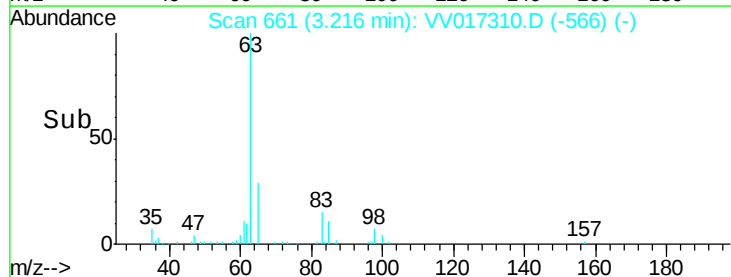
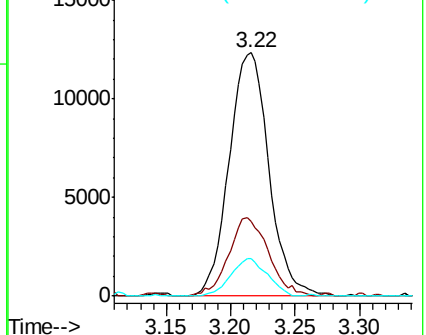
63 100

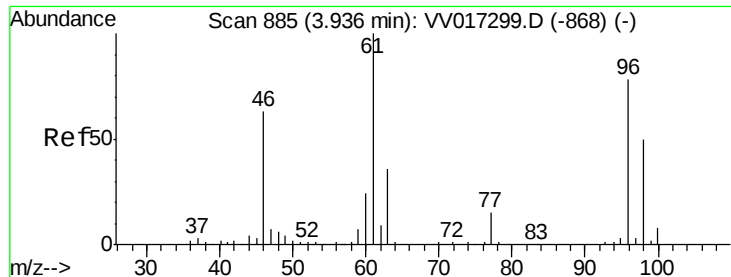
65 30.5 21.8 40.4

83 15.2 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 0.675 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017310.D

Acq: 02 Jul 2020 14:56

Instrument :
MSVOA_V
ClientSampled :

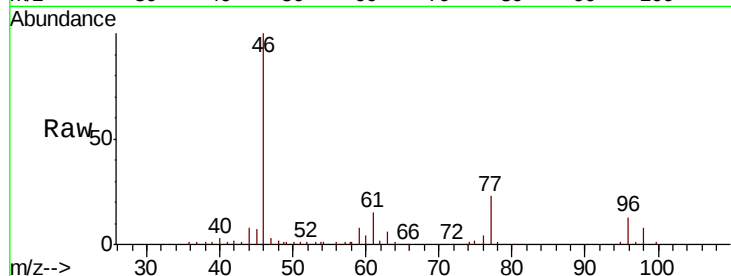
Tot Ion: 96 Resp: 8639

Ion Ratio Lower Upper

96 100

61 121.7 91.0 169.0

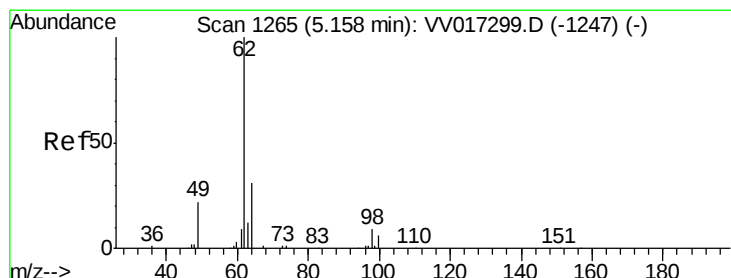
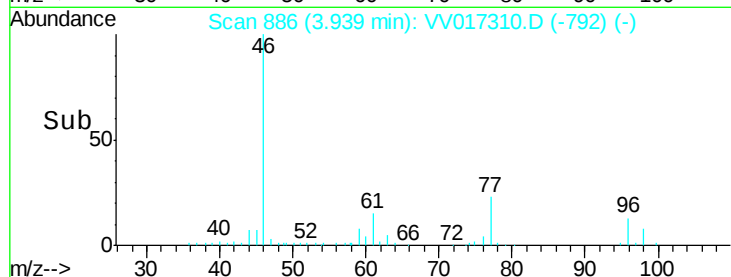
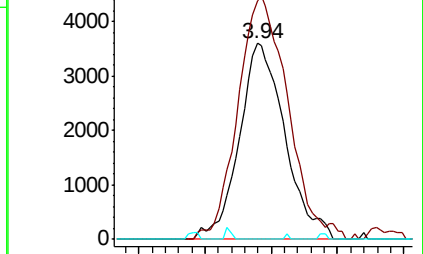
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017310.D (-792) (-)

Ion 61.05 (60.75 to 61.75): VV017310.D (-792) (-)

Ion 68.15 (67.85 to 68.85): VV017310.D (-792) (-)



#27

1,2-Dichloroethane

Concen: 0.041 ug/L

RT: 5.17 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VV017310.D

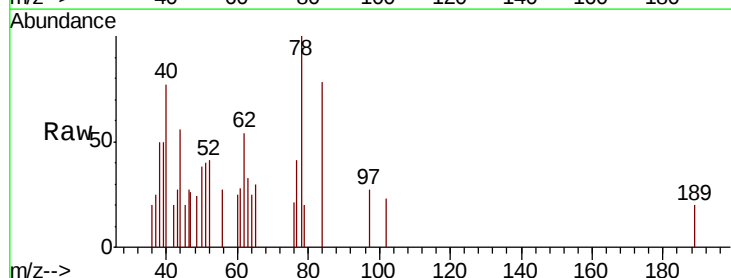
Acq: 02 Jul 2020 14:56

Tgt Ion: 62 Resp: 588

Ion Ratio Lower Upper

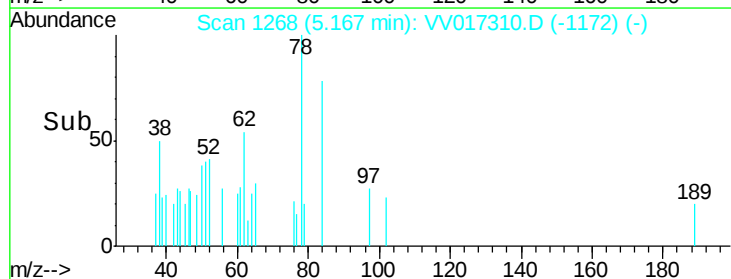
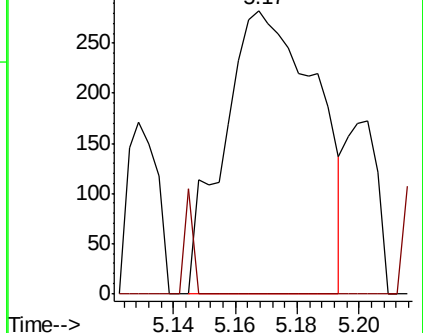
62 100

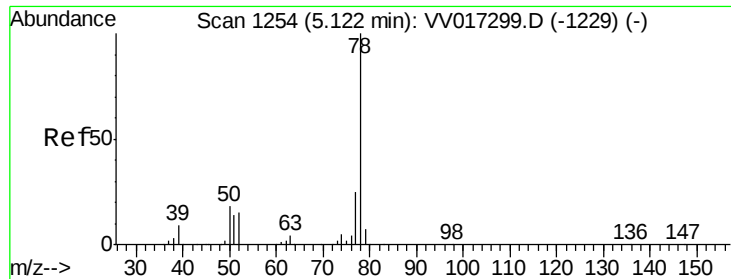
98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV017310.D (-1172) (-)

Ion 98.05 (97.75 to 98.75): VV017310.D (-1172) (-)

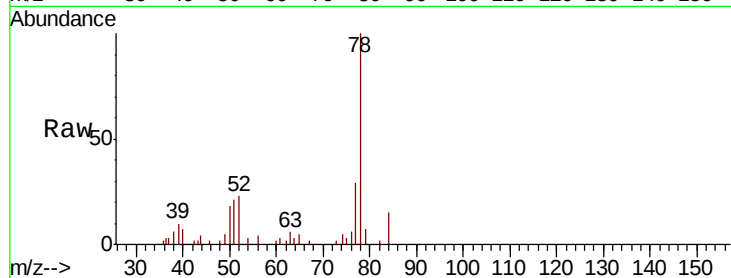




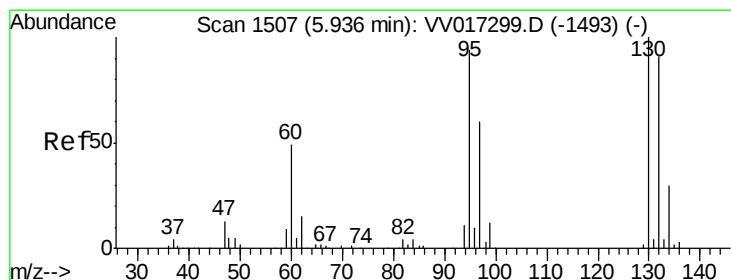
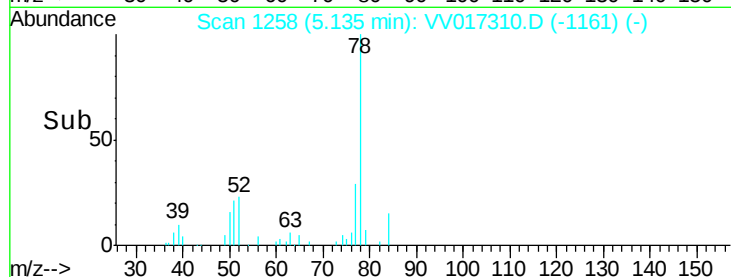
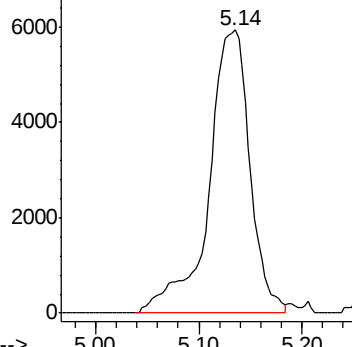
#33
Benzene
Concen: 0.366 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VV017310.D
Acq: 02 Jul 2020 14:56

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 16482

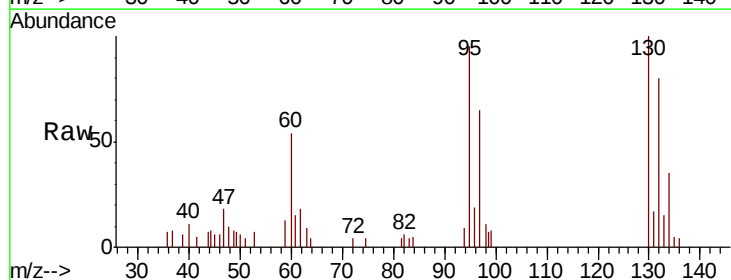


Abundance Ion 78.10 (77.80 to 78.80): VV0



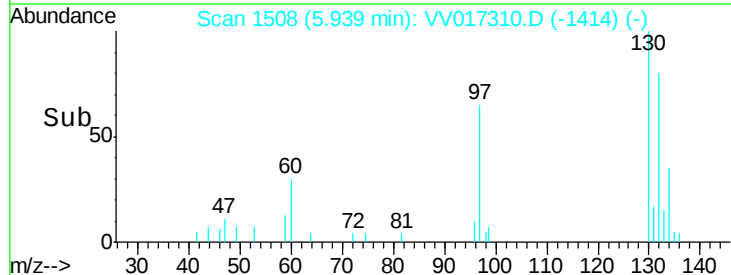
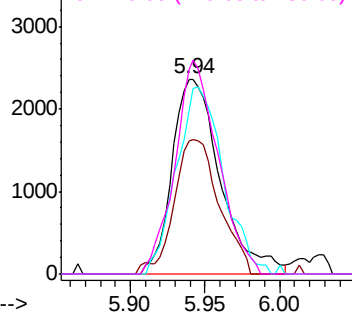
#34
Trichloroethene
Concen: 0.401 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017310.D
Acq: 02 Jul 2020 14:56

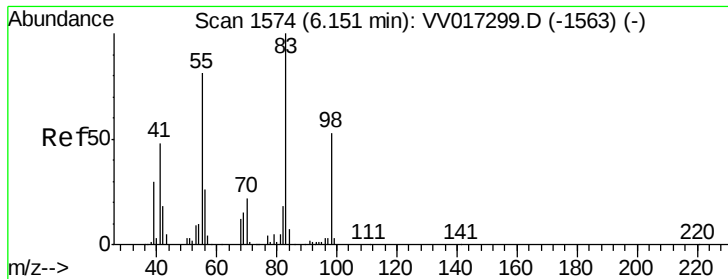
Tgt Ion: 95 Resp: 5289
Ion Ratio Lower Upper
95 100
97 68.5 45.3 84.1
132 83.9 68.8 127.8
130 105.3 70.2 130.4



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

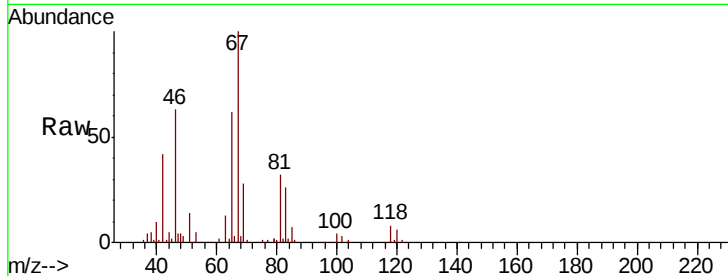




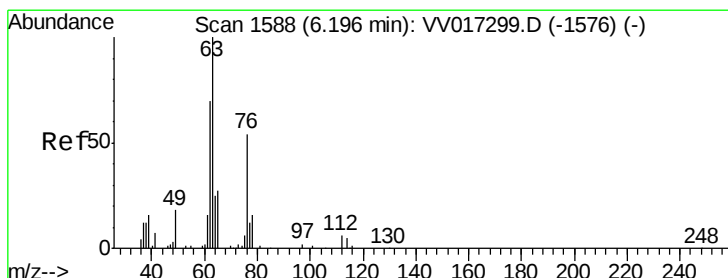
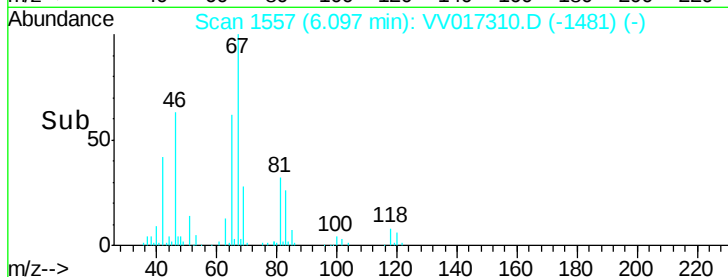
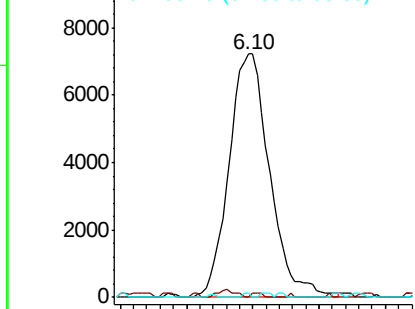
#35
Methvlcvclohexane
Concen: 0.750 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017310.D
Acq: 02 Jul 2020 14:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	83	Resp	15393
Ion Ratio	Lower	Upper	
83	100		
55	0.5	63.6	95.4#
98	0.3	38.8	58.2#

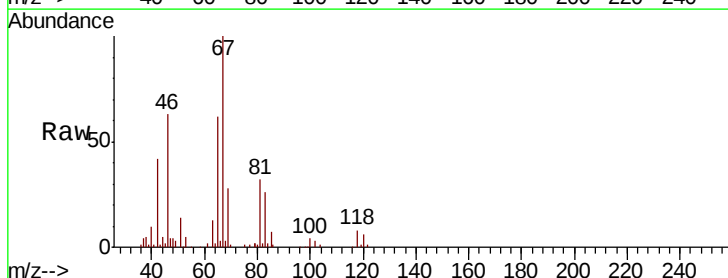


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

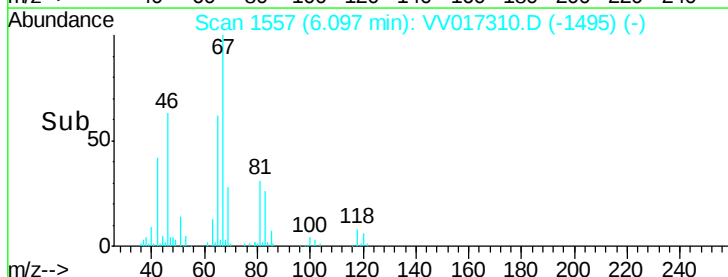
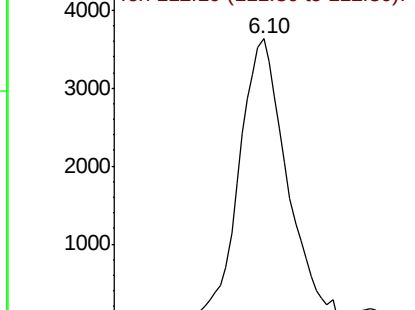


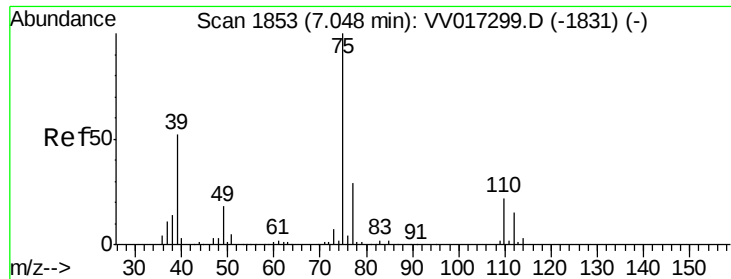
#37
1,2-Dichloropropane
Concen: 0.656 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017310.D
Acq: 02 Jul 2020 14:56

Tgt Ion	63	Resp	7320
Ion Ratio	Lower	Upper	
63	100		
112	0.3	4.4	6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V



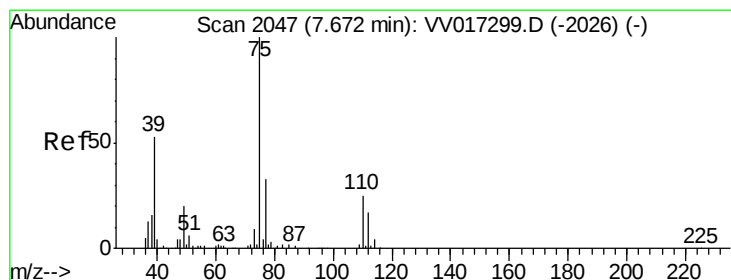
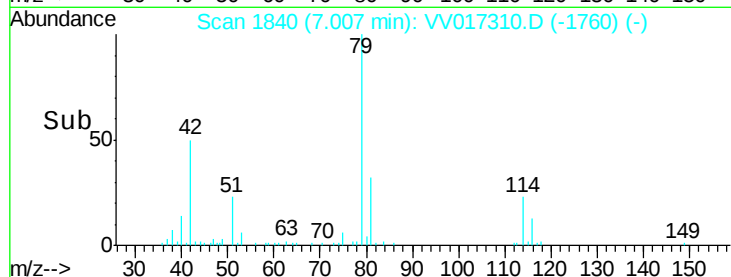
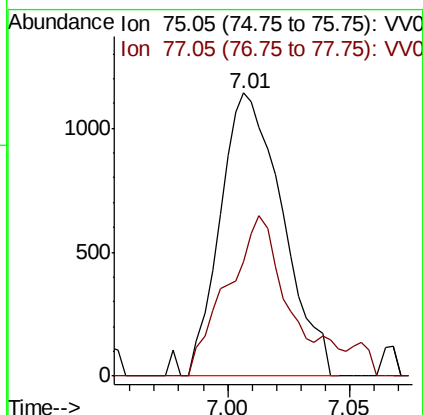
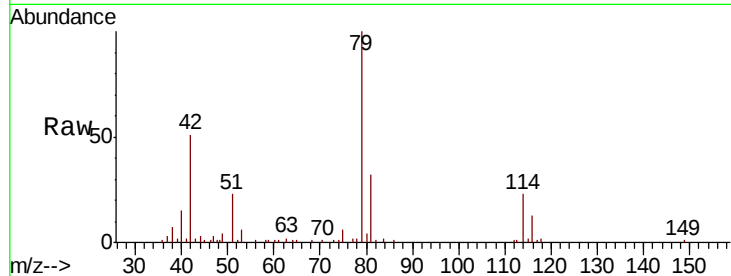


#39

cis-1,3-Dichloropropene
 Concen: 0.122 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017310.D
 Acq: 02 Jul 2020 14:56

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 75 Resp: 2020
 Ion Ratio Lower Upper
 75 100
 77 40.5 22.3 41.5



#46

trans-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV017310.D
 Acq: 02 Jul 2020 14:56

Tgt Ion: 75 Resp: 1125
 Ion Ratio Lower Upper
 75 100
 77 35.7 22.3 41.3

