

Data File : VV013361.D
Acq On : 25 Oct 2019 21:43
Operator : SY/MD
Sample : K5462-15DL 5X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G12DL

Quant Time: Oct 26 01:03:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	399256	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	429873	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	234000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	191765	6.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	130.40%#
7) Chloroethane-d5	1.58	69	107885	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.12	63	229045	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	3.95	46	392493	69.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	138.86%#
24) Chloroform-d	4.40	84	347490	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	172218	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.09	84	795384	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.20%
36) 1,2-Dichloropropane-d6	6.11	67	228254	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.36	98	679545	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	7.66	79	74368	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.14	63	257309	45.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	148241	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	277146	6.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.80%#

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	15428	0.400	ug/L #	70
6) Bromomethane	1.54	94	2070	0.095	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2820	0.086	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	2475	0.079	ug/L #	1
16) Methylene chloride	2.53	84	16735	0.355	ug/L	96
17) Methyl tert-butyl Ether	2.80	73	681751	9.378	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	38662	1.045	ug/L	95
19) 1,1-Dichloroethane	3.23	63	18872	0.314	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	82427	2.081	ug/L #	94
25) Chloroform	4.42	83	36101	0.460	ug/L	100
33) Benzene	5.14	78	10568	0.064	ug/L	100
34) Trichloroethene	5.96	95	15038	0.341	ug/L	95
35) Methylcyclohexane	6.11	83	56198	0.829	ug/L #	19
37) 1,2-Dichloropropane	6.11	63	23731	0.595	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	5178	0.092	ug/L #	55
48) 2-Hexanone	8.20	43	24049	1.653	ug/L #	85
54) o-xylene	9.59	106	5296	0.081	ug/L	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

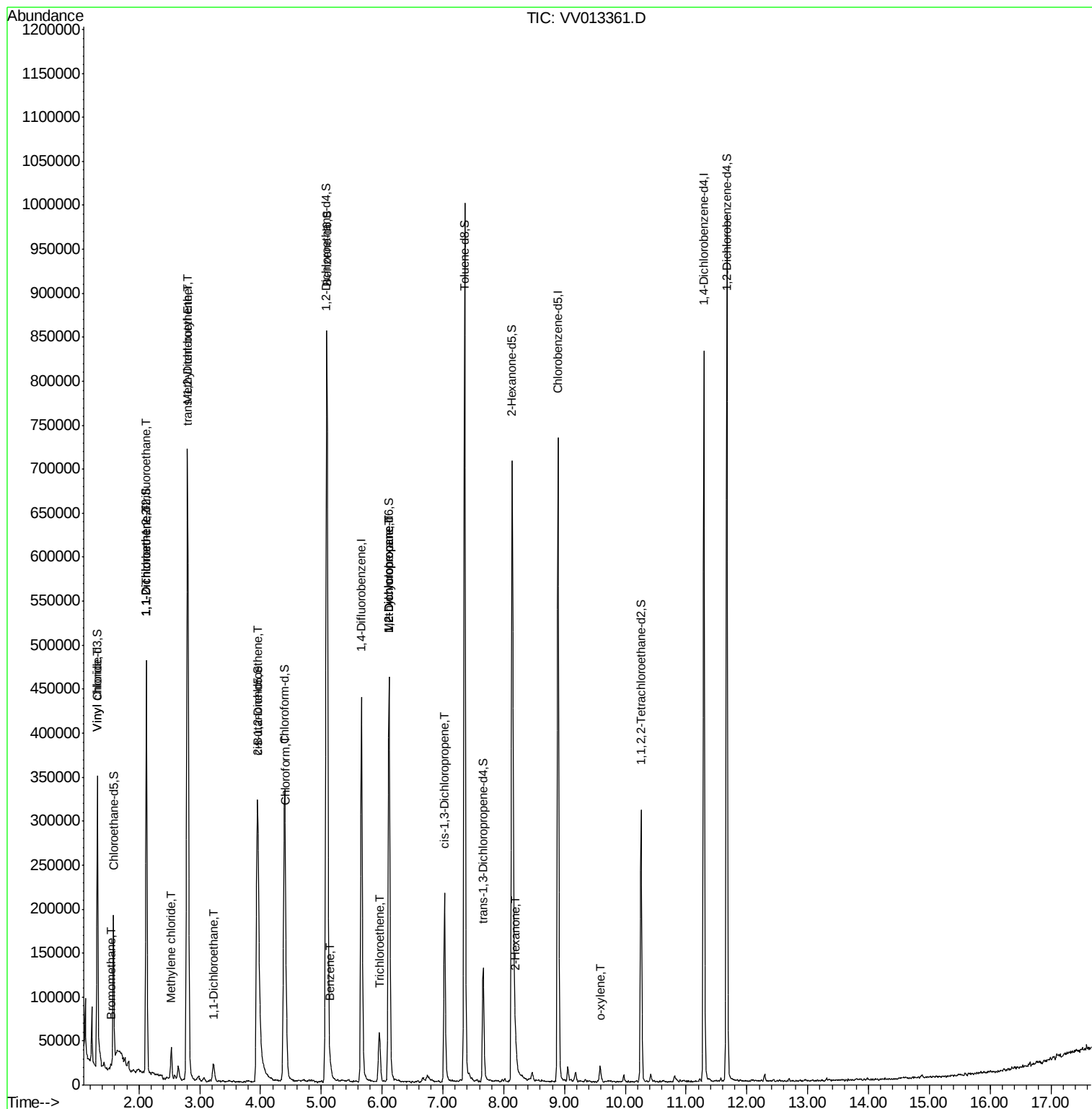
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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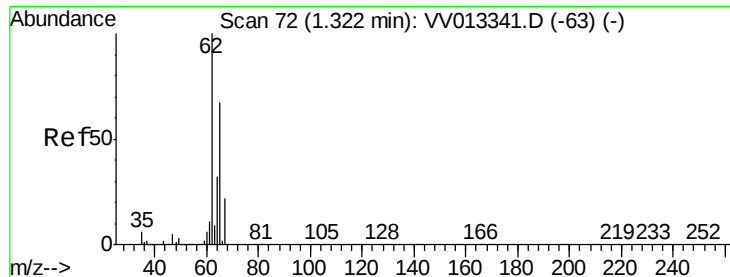
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.400 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013361.D

Acq: 25 Oct 2019 21:43

Instrument :

MSVOA_V

ClientSampleID :

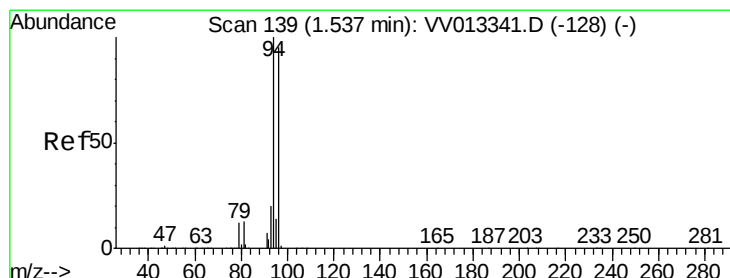
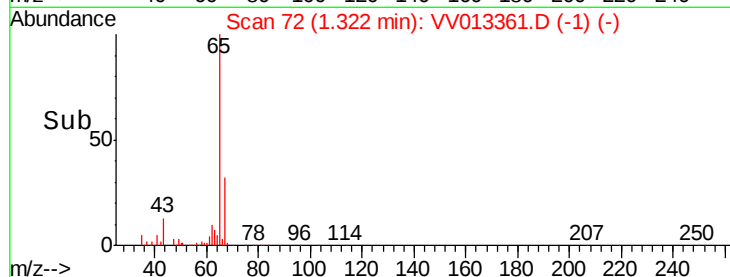
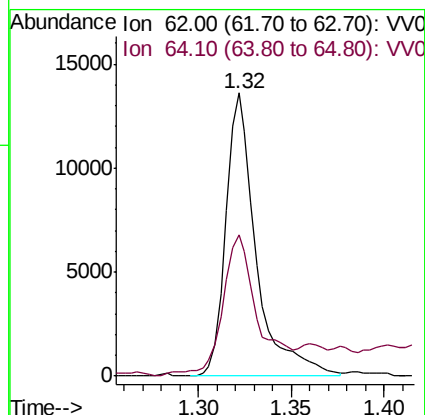
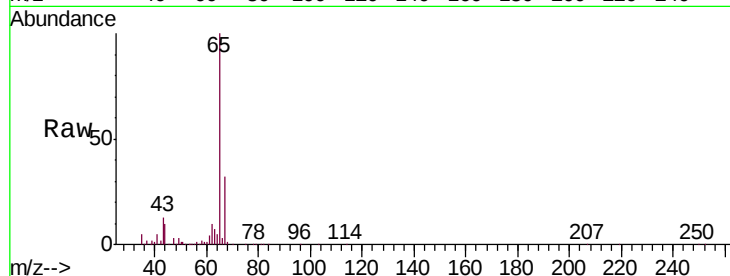
H0G12DL

Tgt Ion: 62 Resp: 15428

Ion Ratio Lower Upper

62 100

64 49.7 22.9 42.5#



#6

Bromomethane

Concen: 0.095 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV013361.D

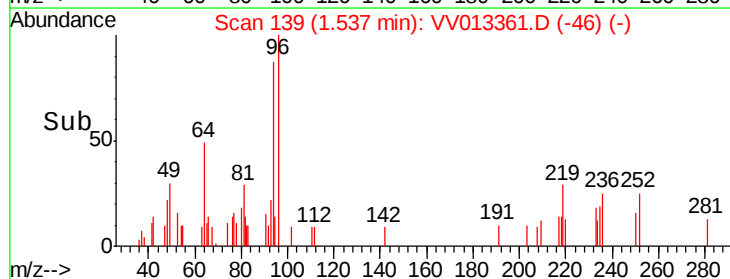
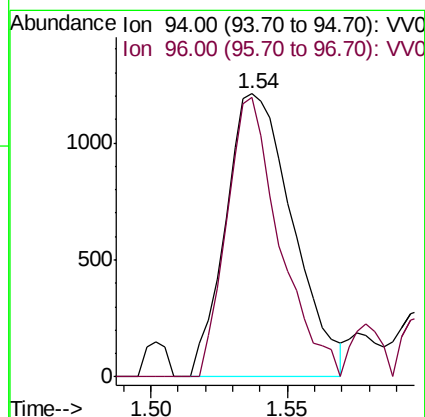
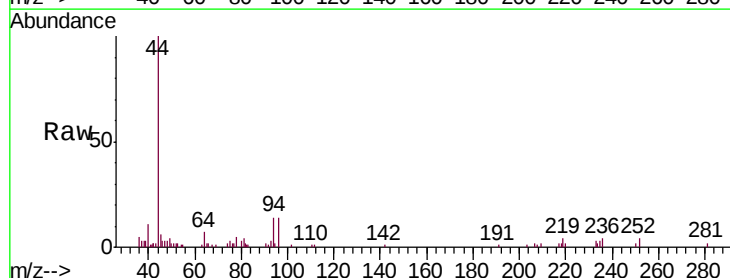
Acq: 25 Oct 2019 21:43

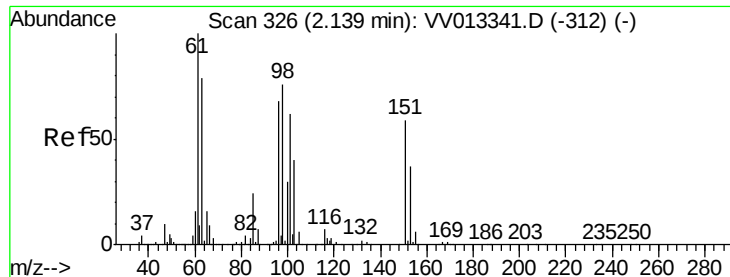
Tgt Ion: 94 Resp: 2070

Ion Ratio Lower Upper

94 100

96 86.9 66.2 123.0





#10

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

Concen: 0.086 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV013361.D

Acq: 25 Oct 2019 21:43

Instrument :

MSVOA_V

ClientSampleId :

H0G12DL

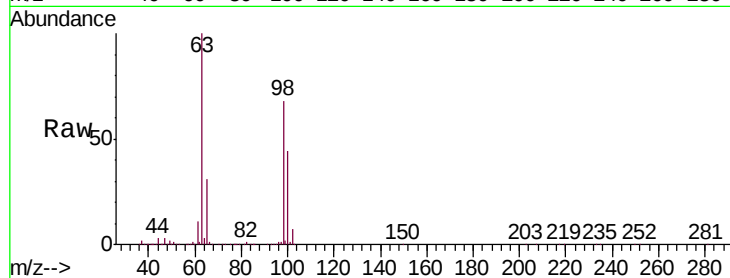
Tgt Ion: 101 Resp: 2820

Ion Ratio Lower Upper

101 100

85 4.9 31.8 47.8#

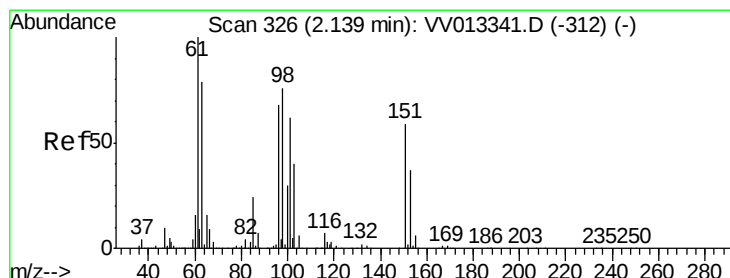
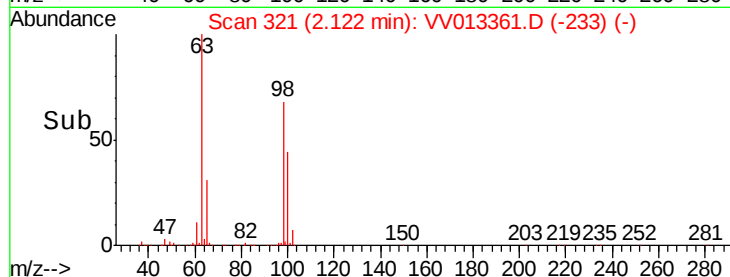
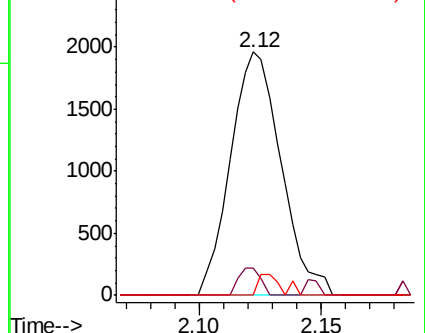
151 3.8 72.9 109.3#



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



#12

1,1-Dichloroethene

Concen: 0.079 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV013361.D

Acq: 25 Oct 2019 21:43

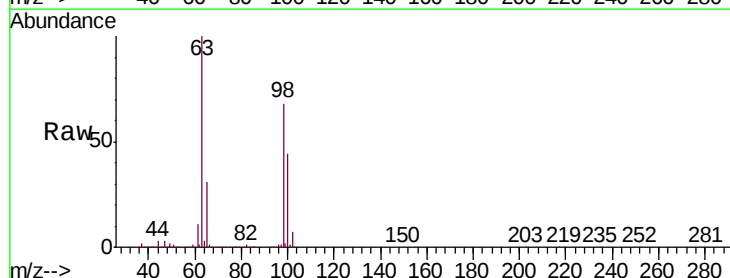
Tgt Ion: 96 Resp: 2475

Ion Ratio Lower Upper

96 100

61 1209.2 104.0 193.1#

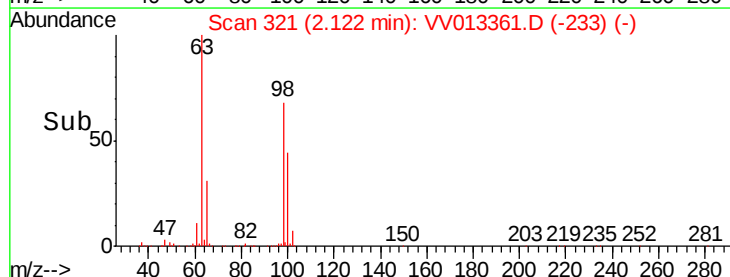
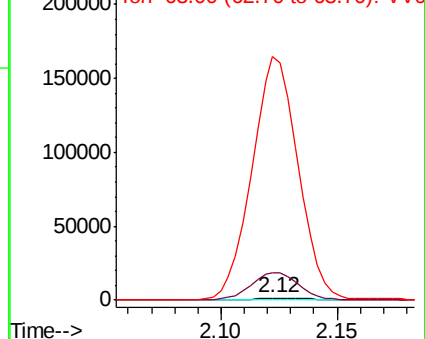
63 10564.1 67.1 124.5#

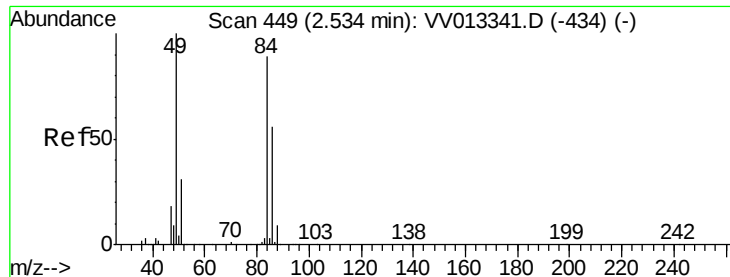


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

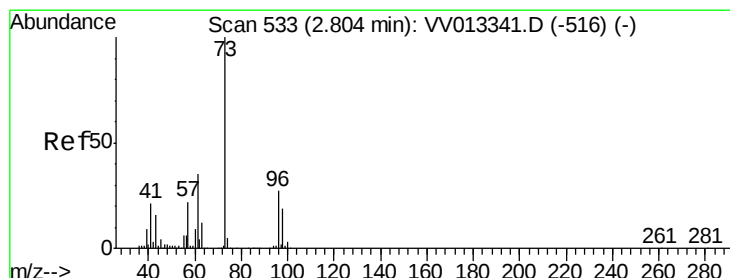
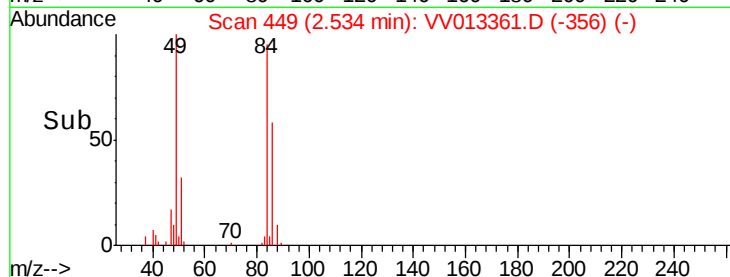
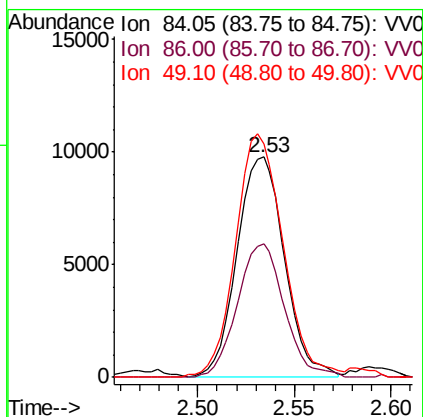
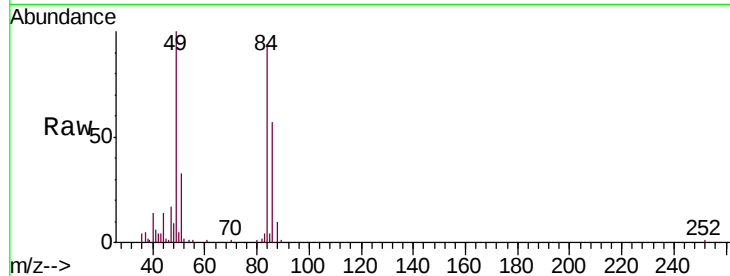




#16
Methylene chloride
Concen: 0.355 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013361.D
Acq: 25 Oct 2019 21:43

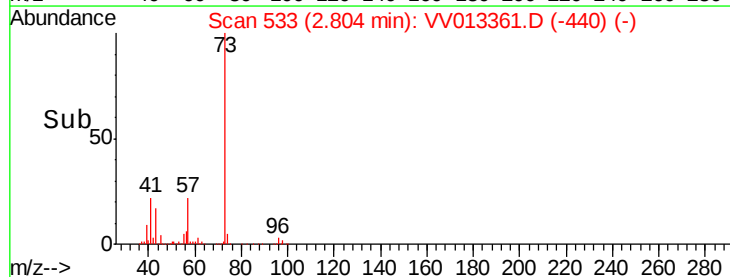
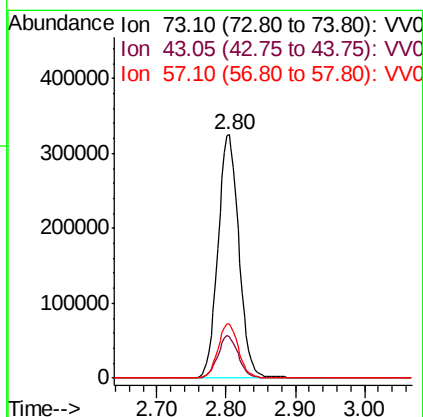
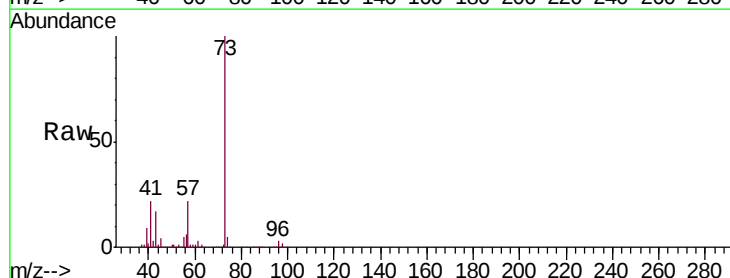
Instrument :
MSVOA_V
ClientSampleId :
H0G12DL

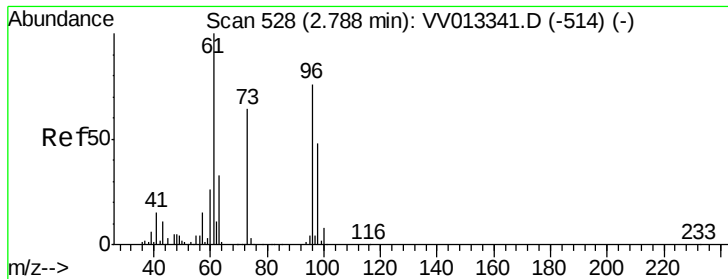
Tgt Ion: 84 Resp: 16735
Ion Ratio Lower Upper
84 100
86 60.4 46.2 85.8
49 106.1 76.4 141.8



#17
Methyl tert-butyl Ether
Concen: 9.378 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013361.D
Acq: 25 Oct 2019 21:43

Tgt Ion: 73 Resp: 681751
Ion Ratio Lower Upper
73 100
43 16.9 13.1 19.7
57 21.9 16.4 24.6

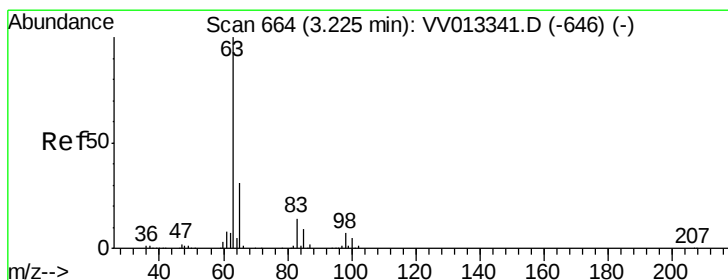
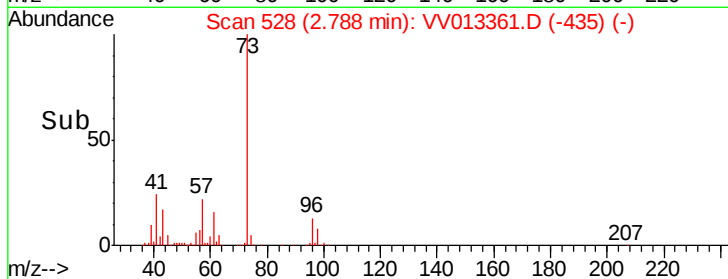
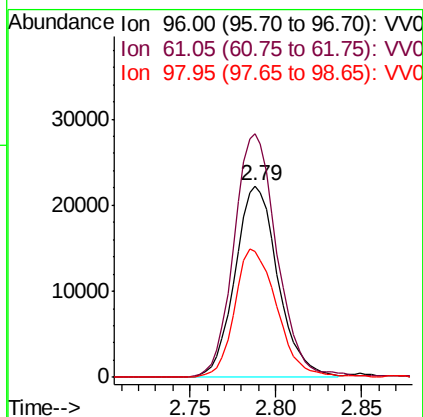
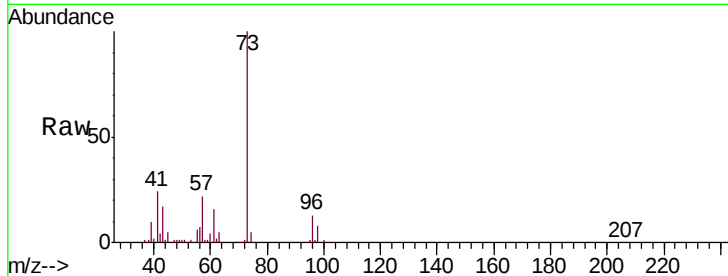




#18
trans-1,2-Dichloroethene
Concen: 1.045 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013361.D
Acq: 25 Oct 2019 21:43

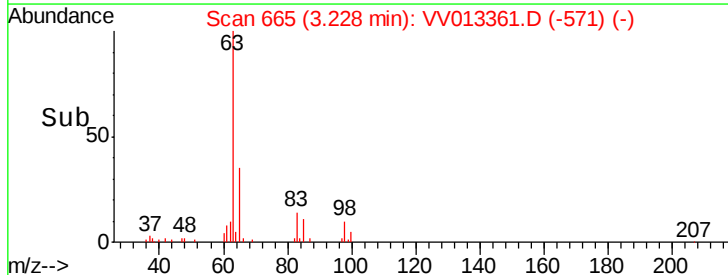
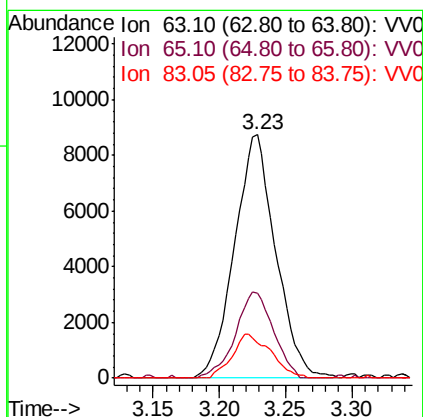
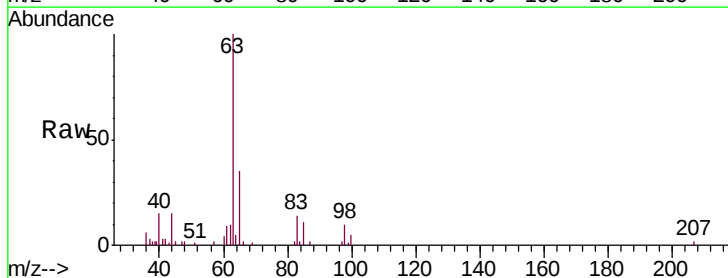
Instrument :
MSVOA_V
ClientSampleId :
H0G12DL

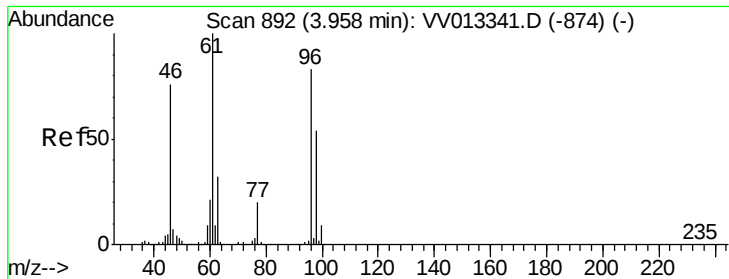
Tgt Ion: 96 Resp: 38662
Ion Ratio Lower Upper
96 100
61 127.1 84.4 156.8
98 65.8 44.4 82.4



#19
1,1-Dichloroethane
Concen: 0.314 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV013361.D
Acq: 25 Oct 2019 21:43

Tgt Ion: 63 Resp: 18872
Ion Ratio Lower Upper
63 100
65 35.1 23.0 42.8
83 14.2 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 2.081 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV013361.D

Acq: 25 Oct 2019 21:43

Instrument :

MSVOA_V

ClientSampled :

H0G12DL

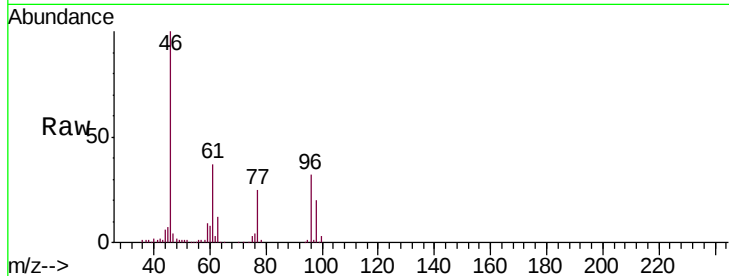
Tgt Ion: 96 Resp: 82427

Ion Ratio Lower Upper

96 100

61 117.3 77.3 143.7

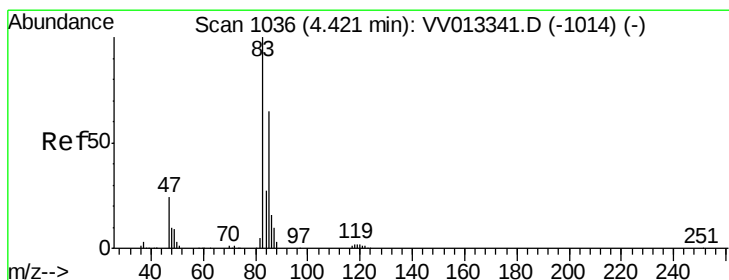
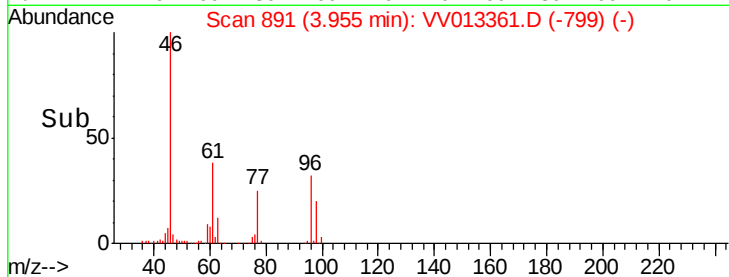
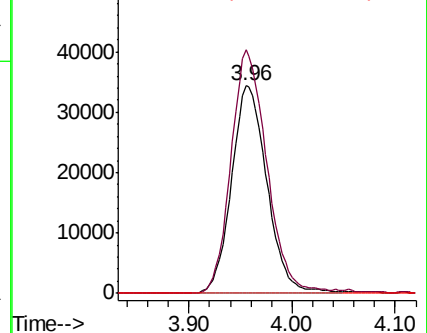
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#25

Chloroform

Concen: 0.460 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV013361.D

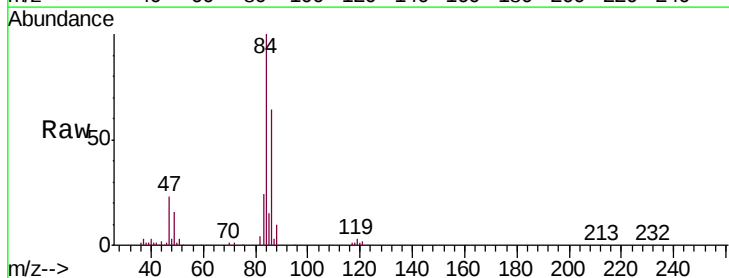
Acq: 25 Oct 2019 21:43

Tgt Ion: 83 Resp: 36101

Ion Ratio Lower Upper

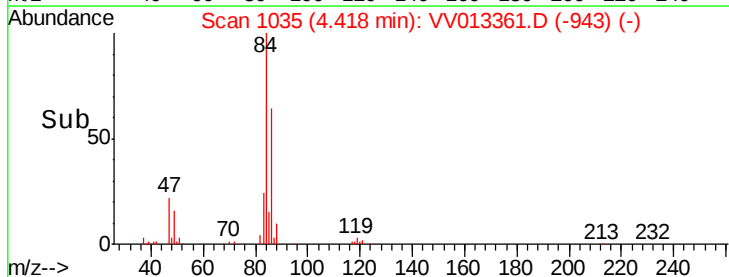
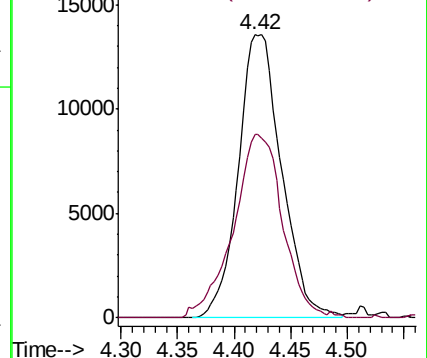
83 100

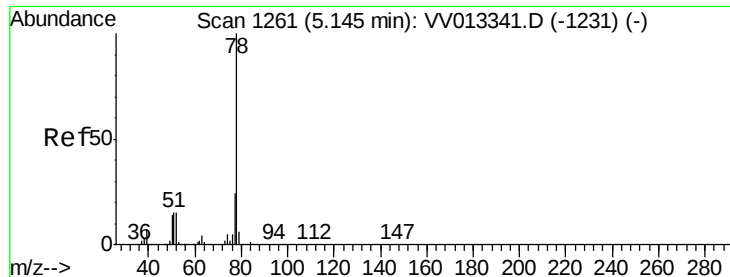
85 65.0 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 0.064 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV013361.D

Acq: 25 Oct 2019 21:43

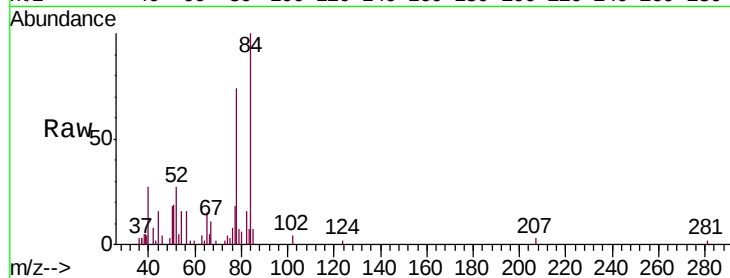
Instrument :

MSVOA_V

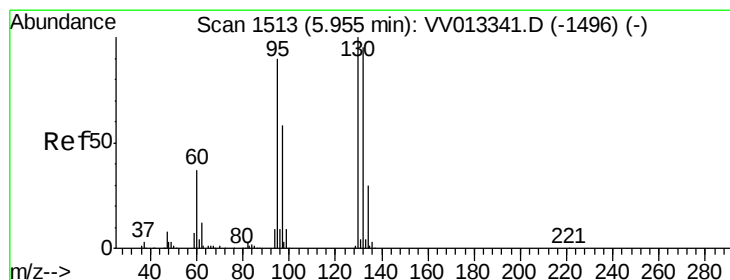
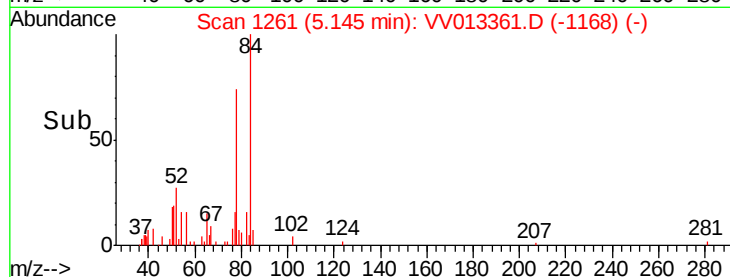
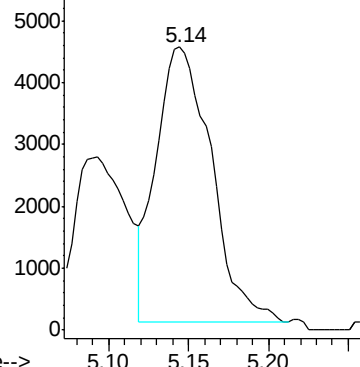
ClientSampleId :

H0G12DL

Tgt Ion: 78 Resp: 10568



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.341 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013361.D

Acq: 25 Oct 2019 21:43

Tgt Ion: 95 Resp: 15038

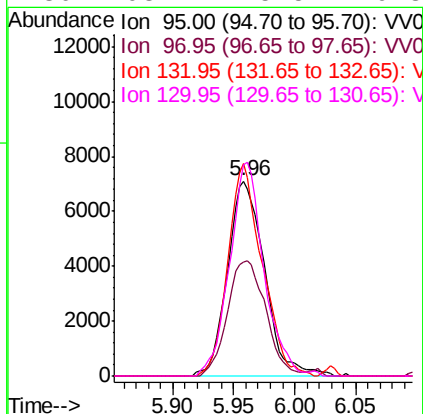
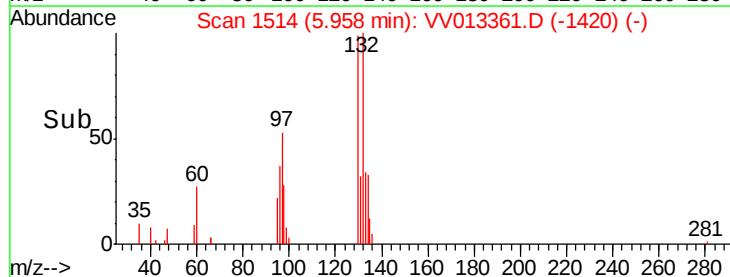
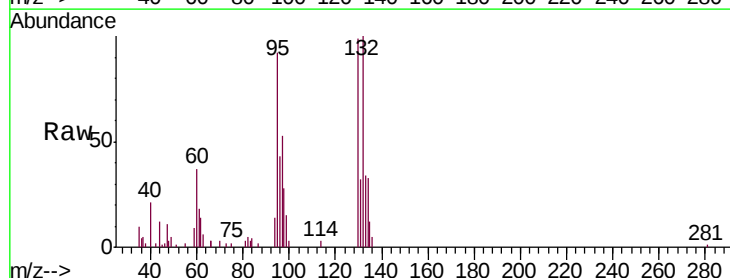
Ion	Ratio	Lower	Upper
95	100		
97	58.1	45.2	84.0
132	109.0	70.6	131.2
130	108.1	75.5	140.3

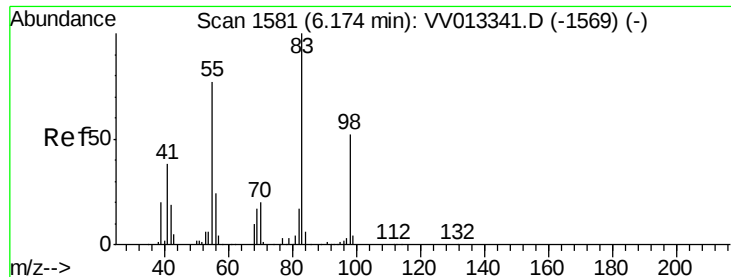
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

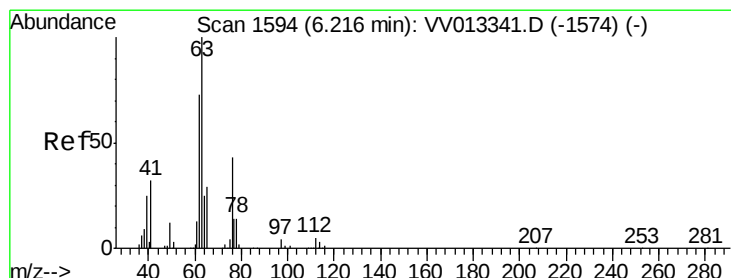
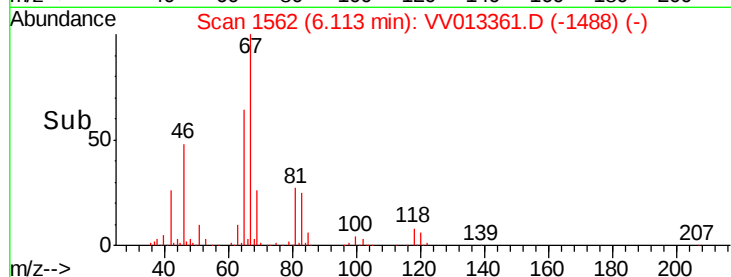
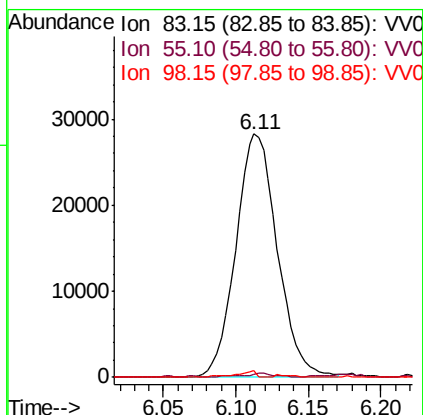
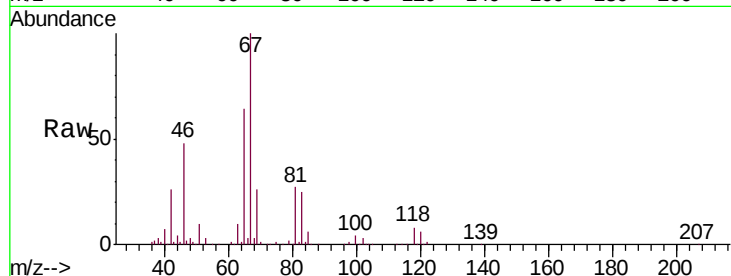




#35
Methylcyclohexane
Concen: 0.829 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013361.D
Acq: 25 Oct 2019 21:43

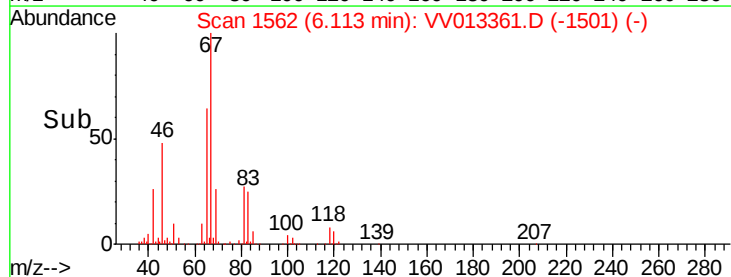
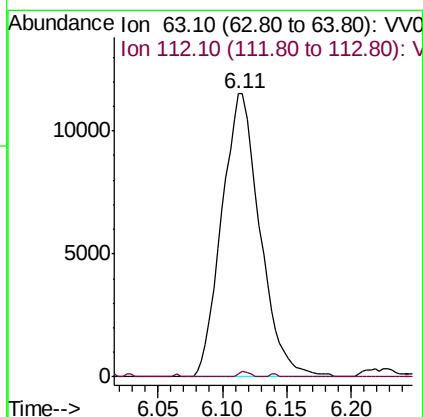
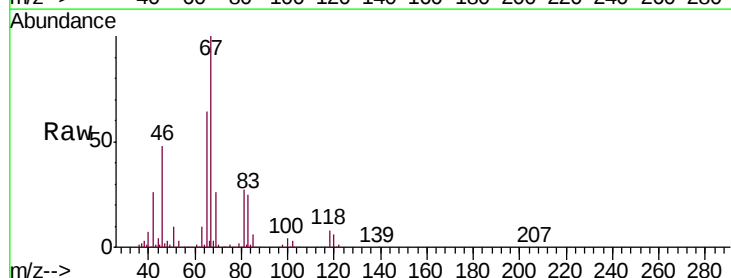
Instrument :
MSVOA_V
ClientSampleId :
H0G12DL

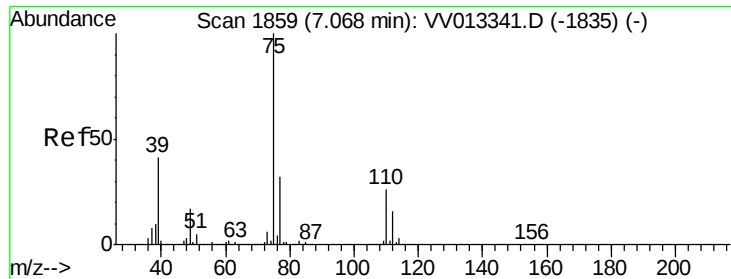
Tgt Ion: 83 Resp: 56198
Ion Ratio Lower Upper
83 100
55 1.3 62.4 93.6#
98 1.1 39.2 58.8#



#37
1,2-Dichloropropane
Concen: 0.595 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013361.D
Acq: 25 Oct 2019 21:43

Tgt Ion: 63 Resp: 23731
Ion Ratio Lower Upper
63 100
112 0.5 4.1 6.1#

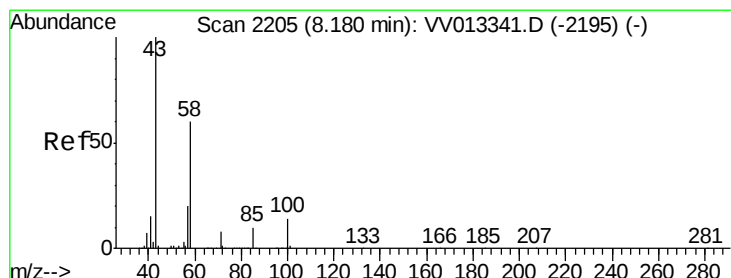
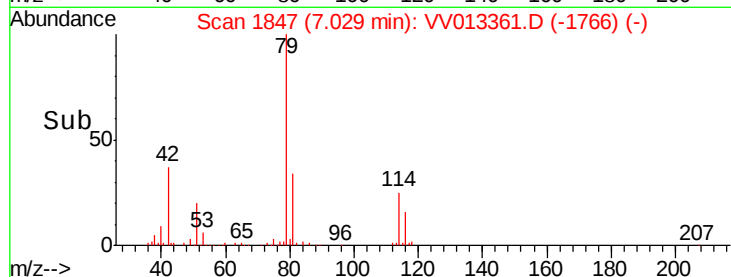
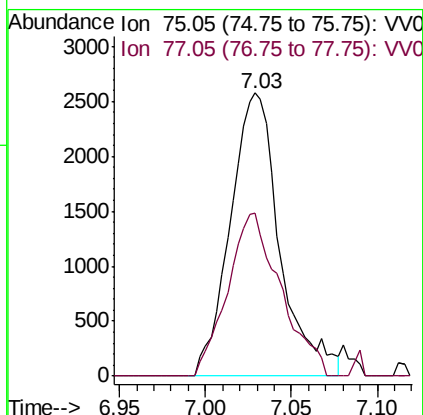
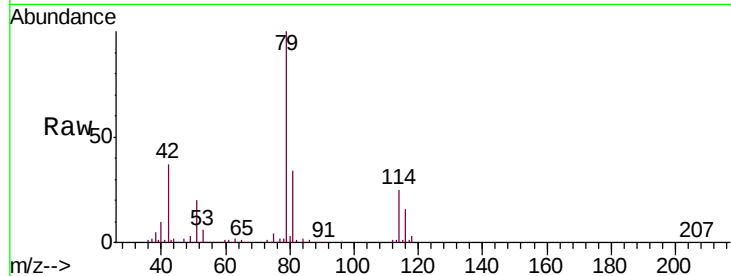




#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV013361.D
 Acq: 25 Oct 2019 21:43

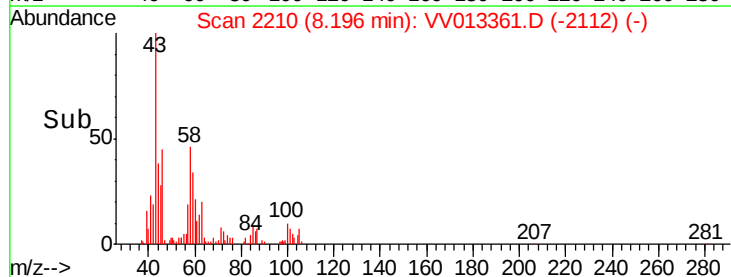
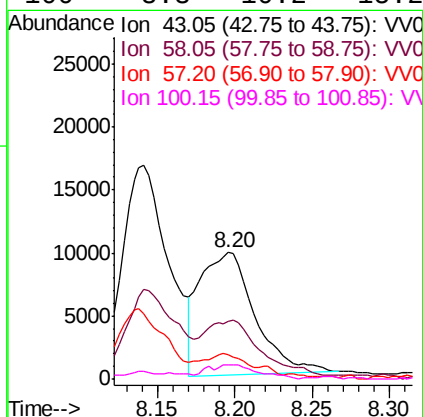
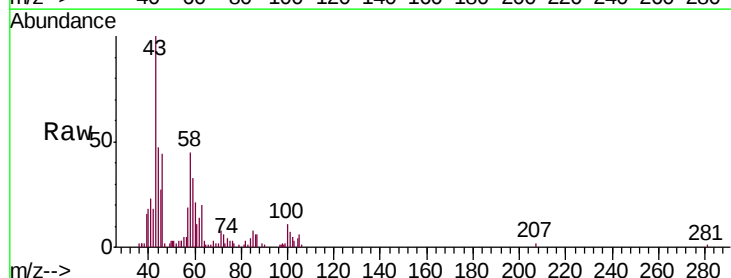
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G12DL

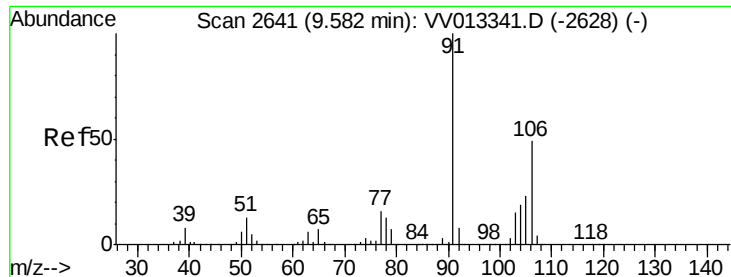
Tgt Ion: 75 Resp: 5178
 Ion Ratio Lower Upper
 75 100
 77 57.7 22.6 42.0#



#48
 2-Hexanone
 Concen: 1.653 ug/L
 RT: 8.20 min Scan# 2210
 Delta R.T. 0.02 min
 Lab File: VV013361.D
 Acq: 25 Oct 2019 21:43

Tgt Ion: 43 Resp: 24049
 Ion Ratio Lower Upper
 43 100
 58 47.7 45.1 67.7
 57 8.3 15.5 23.3#
 100 8.3 10.2 15.2#





#54
o-xylene
Concen: 0.081 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013361.D
Acq: 25 Oct 2019 21:43

Instrument :
MSVOA_V
ClientSampleId :
H0G12DL

Tgt Ion:106 Resp: 5296
Ion Ratio Lower Upper
106 100
91 183.4 147.0 273.0

