

Data File : VV013347.D
Acq On : 25 Oct 2019 15:44
Operator : SY/MD
Sample : K5462-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H0G14

Quant Time: Oct 26 01:01:32 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	402809	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	431287	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231729	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	182477	6.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.80%
7) Chloroethane-d5	1.58	69	144937	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.20%
11) 1,1-Dichloroethene-d2	2.13	63	226239	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	3.95	46	392418	68.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.62%#
24) Chloroform-d	4.40	84	345997	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.08	65	167136	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.10	84	756097	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
36) 1,2-Dichloropropane-d6	6.12	67	221944	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.36	98	654016	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.66	79	75390	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.14	63	230991	40.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	146164	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	255877	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	135082	3.475 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3073	0.092 ug/L #	24
12) 1,1-Dichloroethene	2.14	96	6721	0.212 ug/L #	1
17) Methyl tert-butyl Ether	2.80	73	959066	13.076 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	645332	17.285 ug/L	94
19) 1,1-Dichloroethane	3.23	63	101241	1.668 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	2533083	63.390 ug/L #	92
25) Chloroform	4.43	83	17486	0.221 ug/L	98
33) Benzene	5.15	78	46252	0.281 ug/L	100
34) Trichloroethene	5.96	95	1914346	43.321 ug/L	97
35) Methylcyclohexane	6.12	83	54784	0.806 ug/L #	18
37) 1,2-Dichloropropane	6.11	63	22965	0.574 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	5473	0.097 ug/L	87
44) trans-1,3-Dichloropropene	7.67	75	3780	0.089 ug/L	87
47) Tetrachloroethene	8.02	164	43092	1.074 ug/L	98
48) 2-Hexanone	8.19	43	18438	1.263 ug/L #	37
49) Dibromochloromethane	8.02	129	35675	1.014 ug/L #	11

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

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

Data File : VV013347.D

Acq On : 25 Oct 2019 15:44

Operator : SY/MD

Sample : K5462-16

Misc : 25.0ML/MSVOA_V/WATER

```
ALS Vial      : 8      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
H0G14

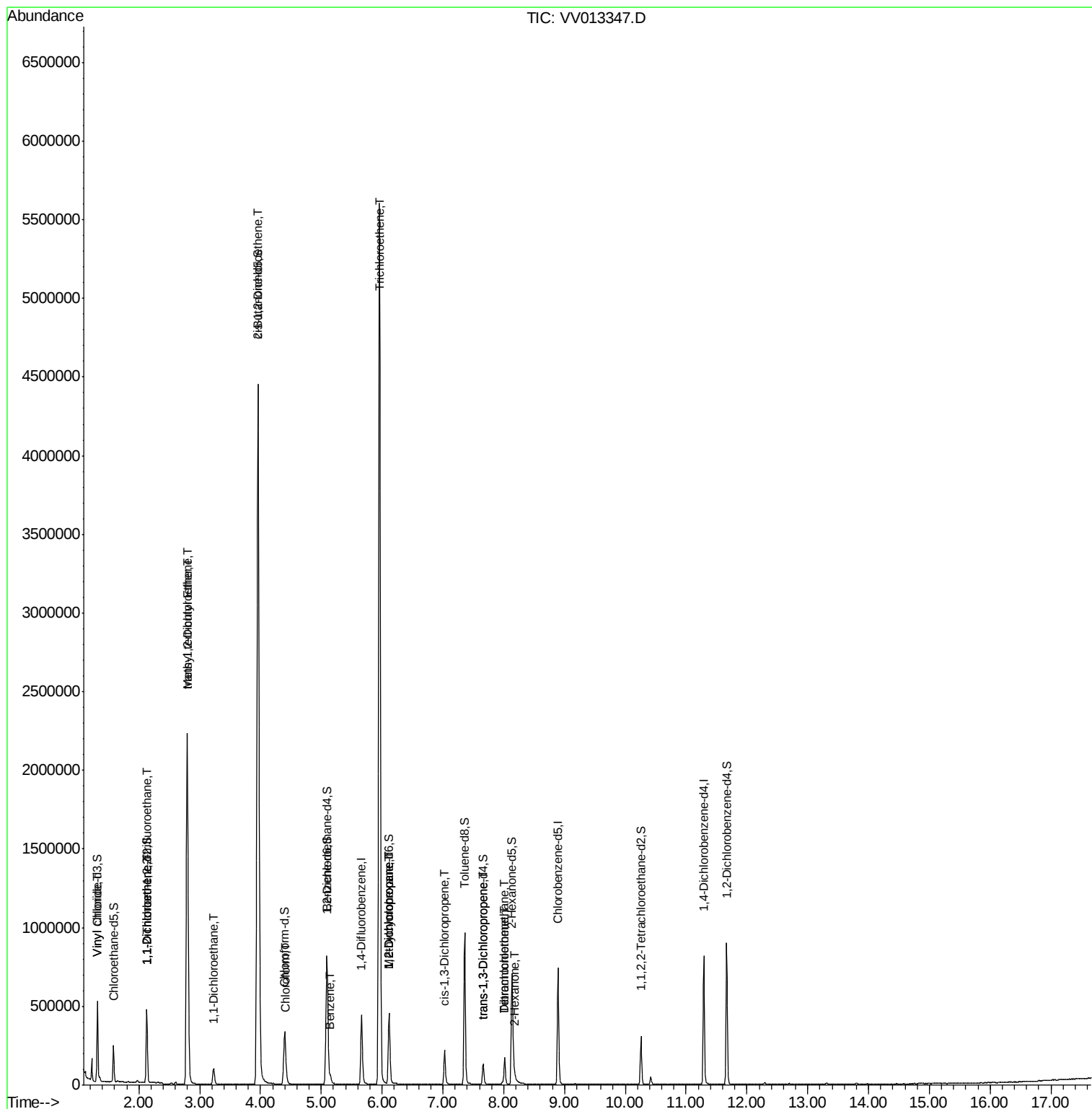
Quant Time: Oct 26 01:01:32 2019

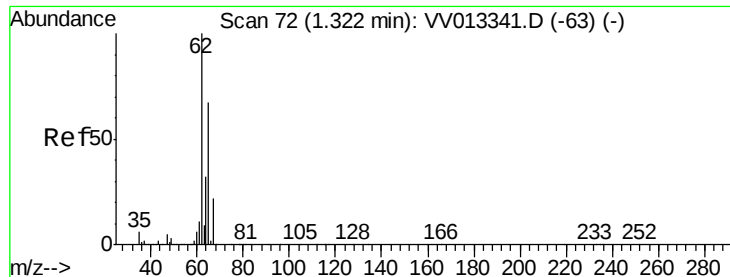
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Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Oct 26 00:57:59 2019

Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.475 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

Instrument :

MSVOA_V

ClientSampled :

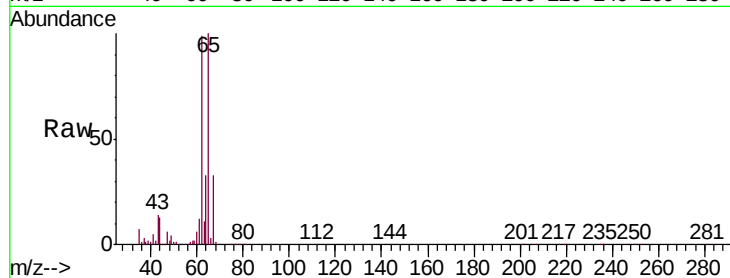
H0G14

Tgt Ion: 62 Resp: 135082

Ion Ratio Lower Upper

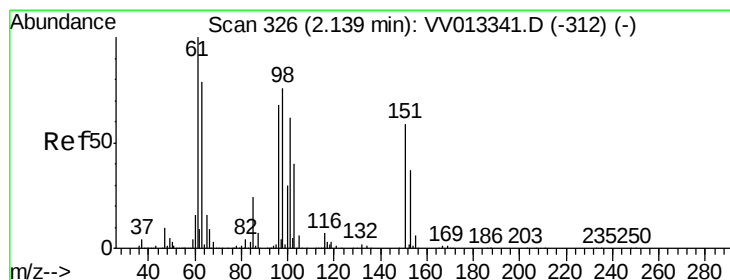
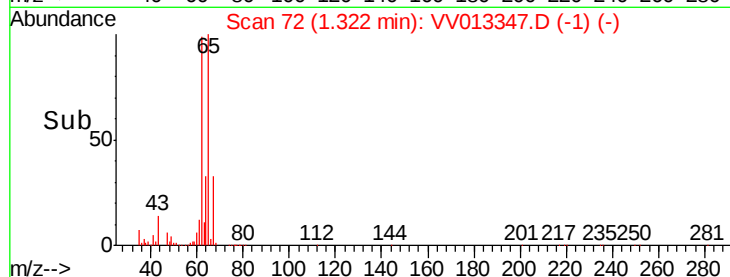
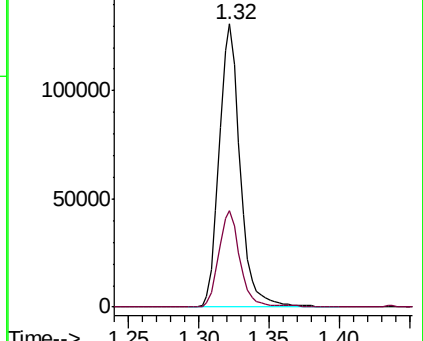
62 100

64 34.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#10

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

Concen: 0.092 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

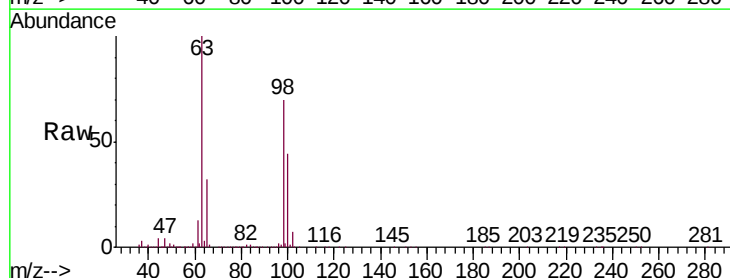
Tgt Ion: 101 Resp: 3073

Ion Ratio Lower Upper

101 100

85 14.2 31.8 47.8#

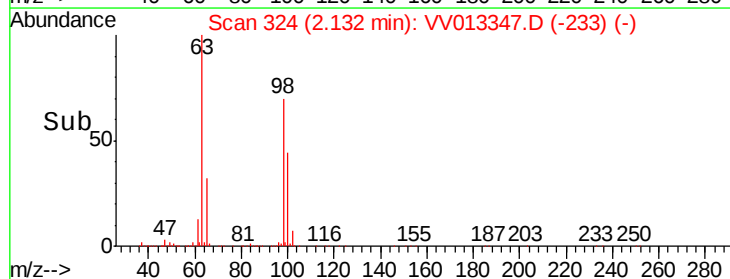
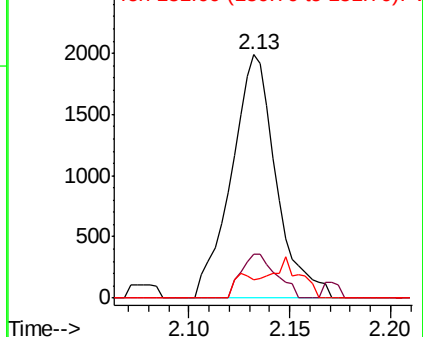
151 4.3 72.9 109.3#

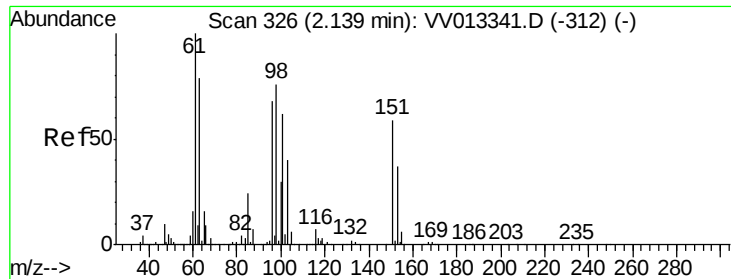


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.212 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

H0G14

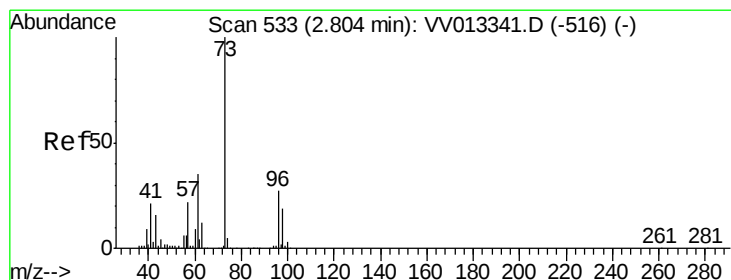
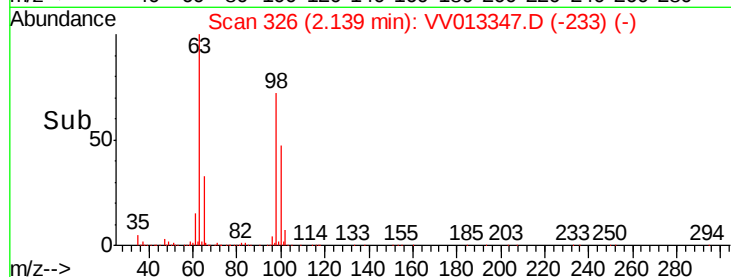
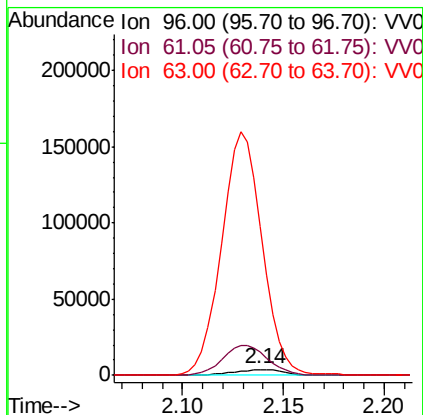
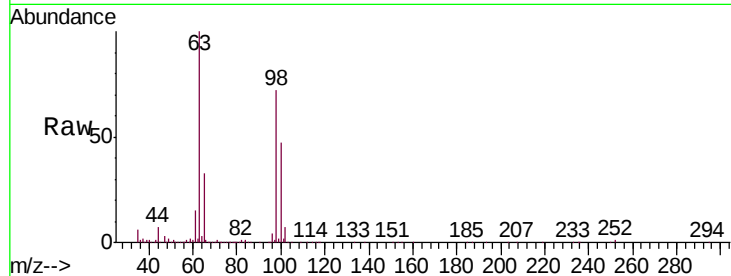
Tgt Ion: 96 Resp: 6721

Ion Ratio Lower Upper

96 100

61 409.0 104.0 193.1#

63 2664.1 67.1 124.5#



#17

Methyl tert-butyl Ether

Concen: 13.076 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

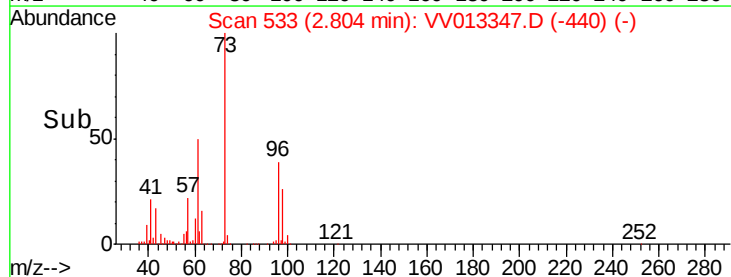
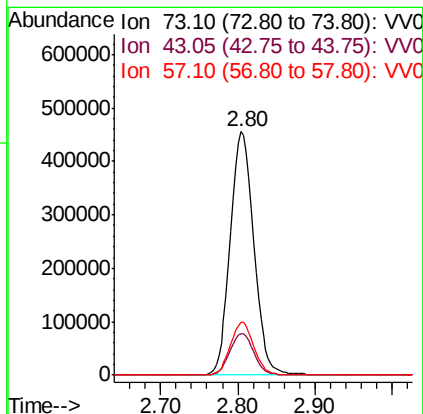
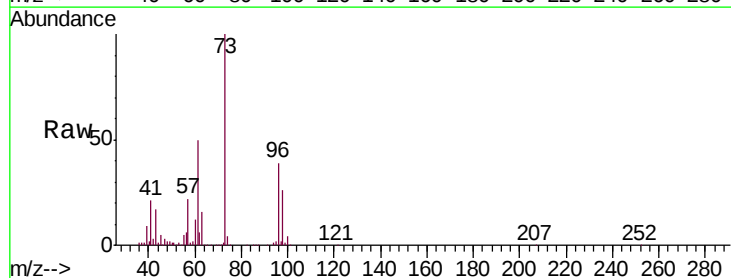
Tgt Ion: 73 Resp: 959066

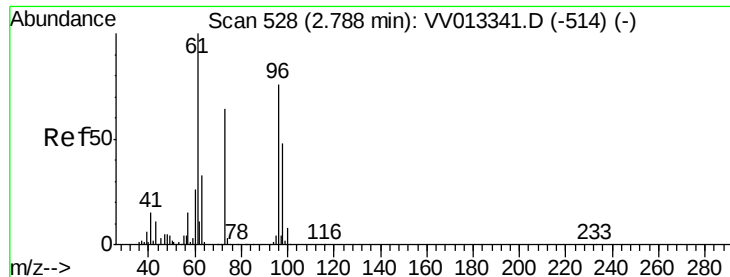
Ion Ratio Lower Upper

73 100

43 17.4 13.1 19.7

57 21.6 16.4 24.6





#18

trans-1,2-Dichloroethene

Concen: 17.285 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

H0G14

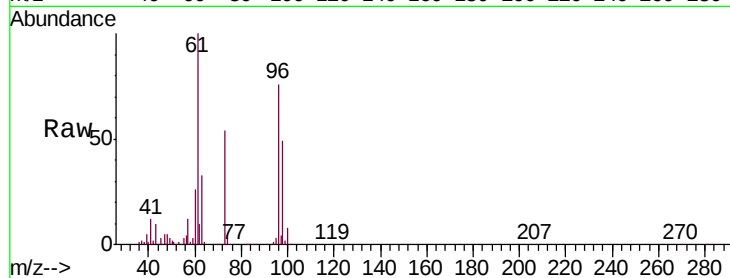
Tgt Ion: 96 Resp: 645332

Ion Ratio Lower Upper

96 100

61 130.8 84.4 156.8

98 64.4 44.4 82.4



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

600000

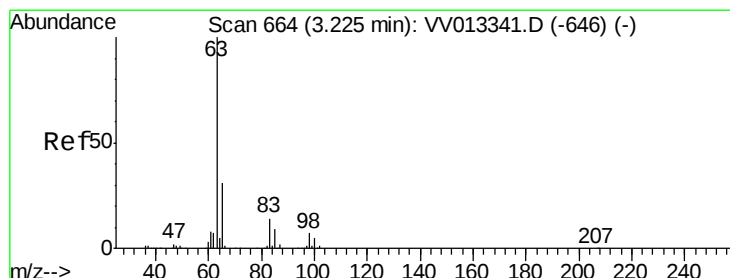
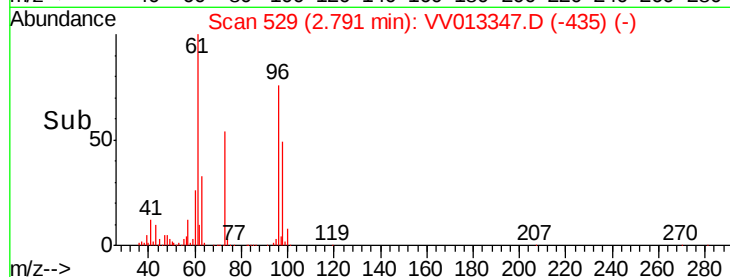
400000

200000

0

2.70 2.80 2.90

Time-->



#19

1,1-Dichloroethane

Concen: 1.668 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

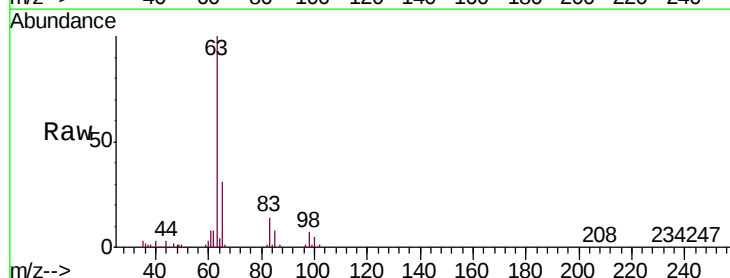
Tgt Ion: 63 Resp: 101241

Ion Ratio Lower Upper

63 100

65 31.0 23.0 42.8

83 14.0 10.2 19.0



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

60000

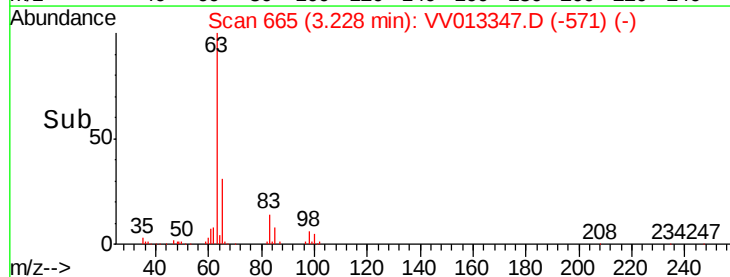
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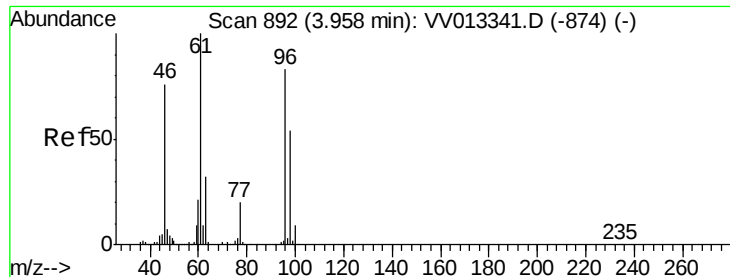
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0

3.15 3.20 3.25 3.30 3.35

Time-->



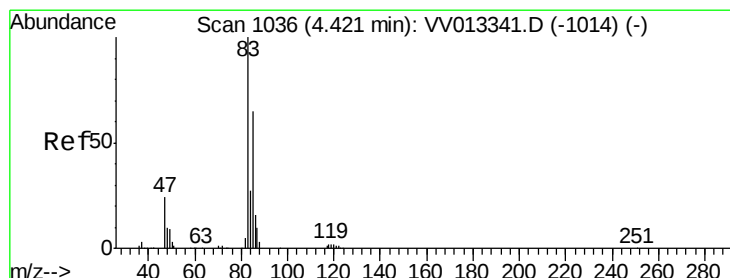
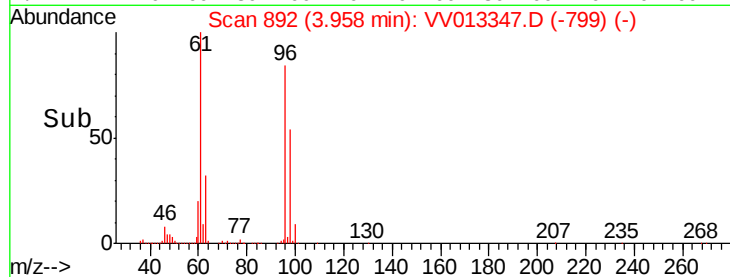
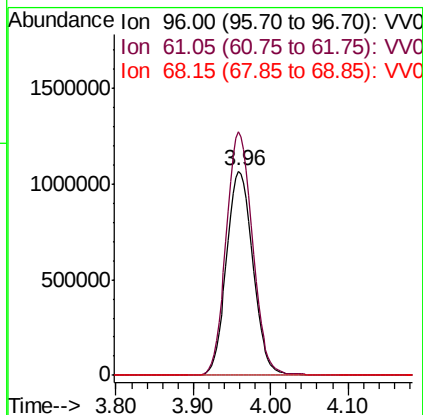
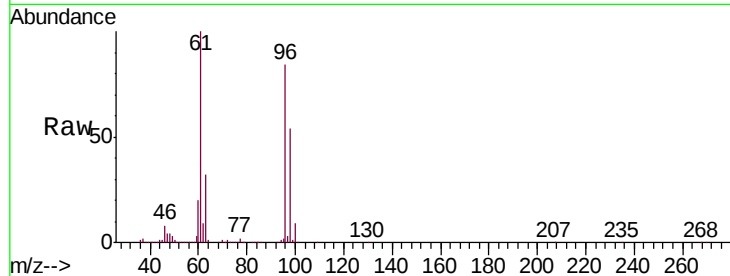


#22

cis-1,2-Dichloroethene
 Concen: 63.390 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013347.D
 Acq: 25 Oct 2019 15:44

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G14

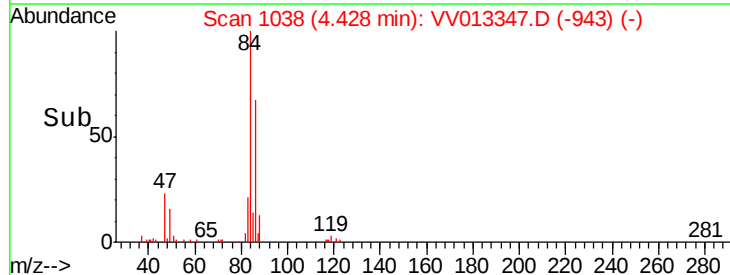
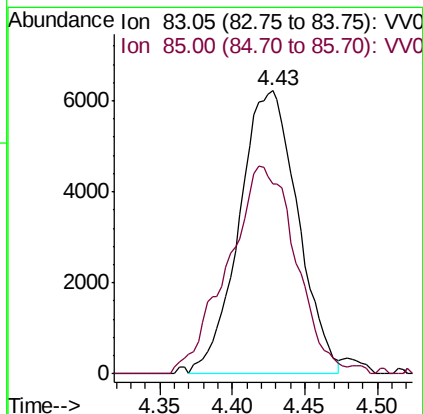
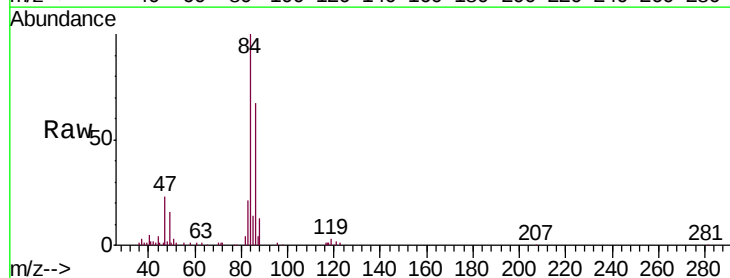
Tgt Ion: 96 Resp: 2533083
 Ion Ratio Lower Upper
 96 100
 61 119.2 77.3 143.7
 68 0.0 0.1 0.1#

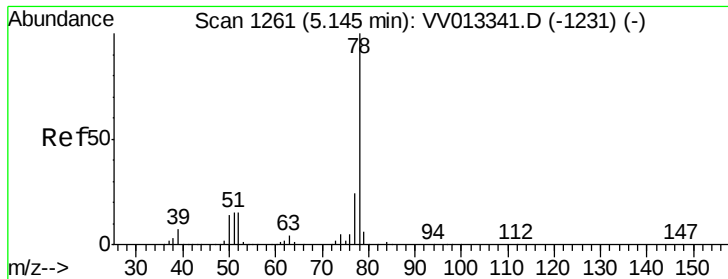


#25

Chloroform
 Concen: 0.221 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VV013347.D
 Acq: 25 Oct 2019 15:44

Tgt Ion: 83 Resp: 17486
 Ion Ratio Lower Upper
 83 100
 85 67.1 45.7 84.9





#33

Benzene

Concen: 0.281 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

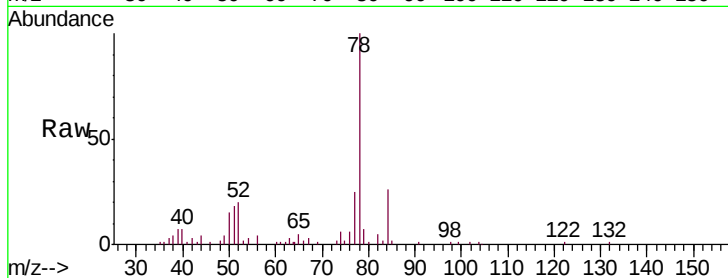
Instrument :

MSVOA_V

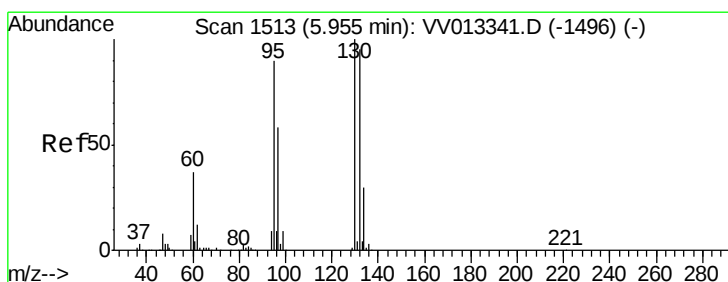
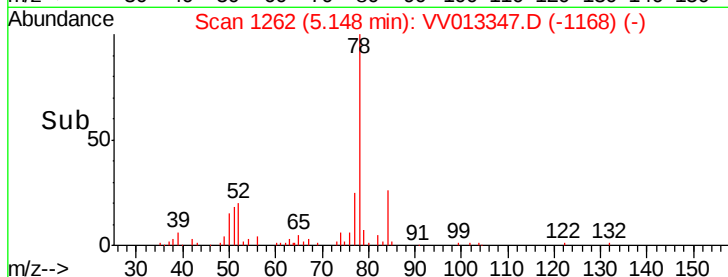
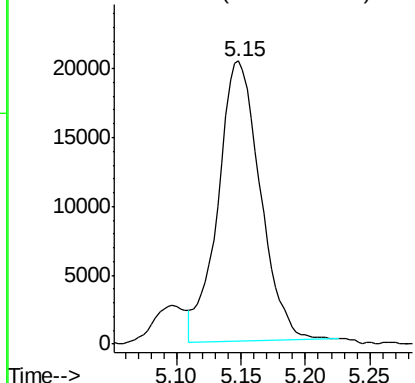
ClientSampleId :

H0G14

Tgt Ion: 78 Resp: 46252



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 43.321 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

Tgt Ion: 95 Resp: 1914346

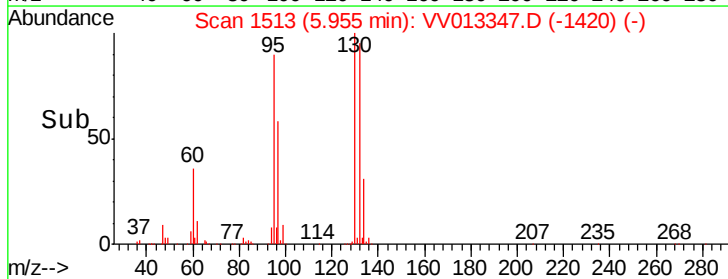
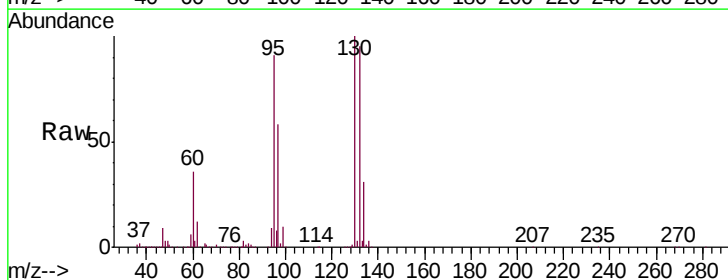
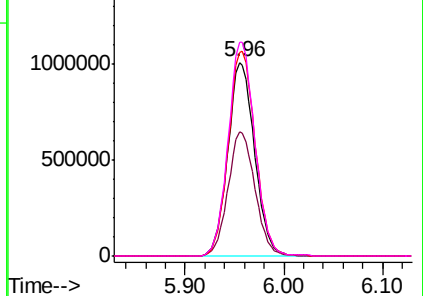
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.2	84.0
132	105.5	70.6	131.2
130	110.5	75.5	140.3

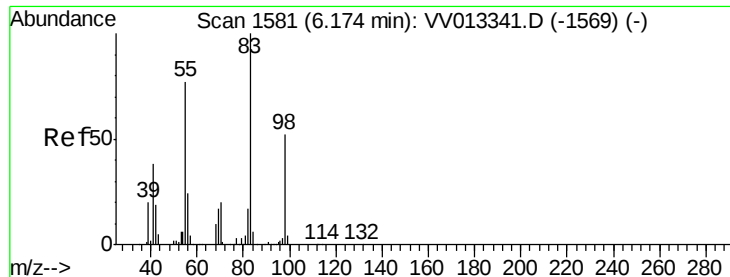
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

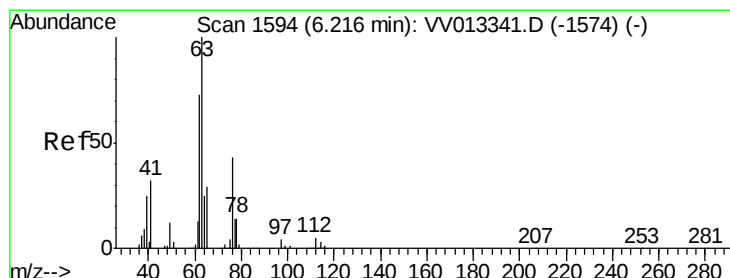
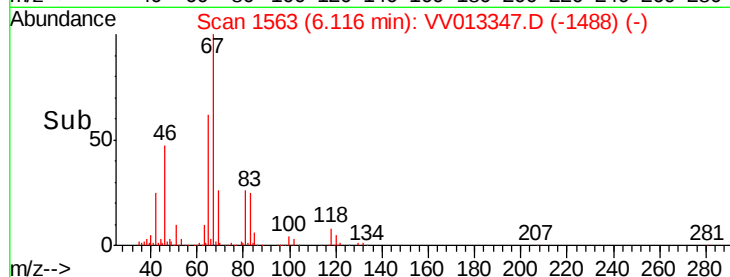
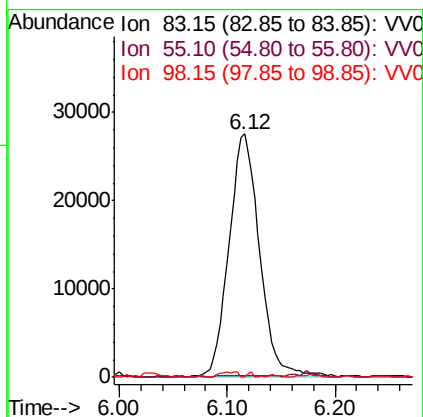
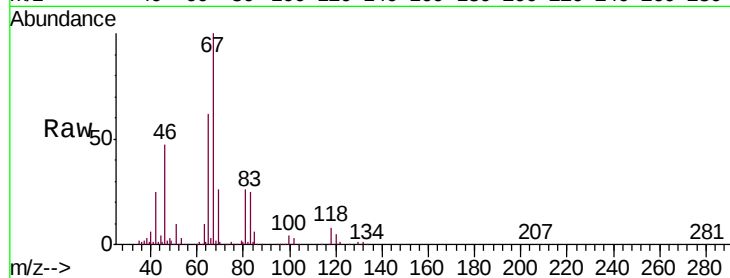




#35
Methylcyclohexane
Concen: 0.806 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV013347.D
Acq: 25 Oct 2019 15:44

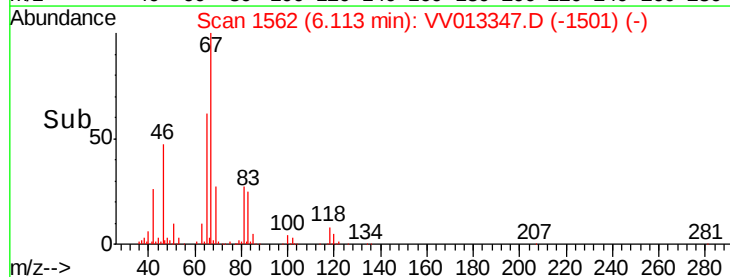
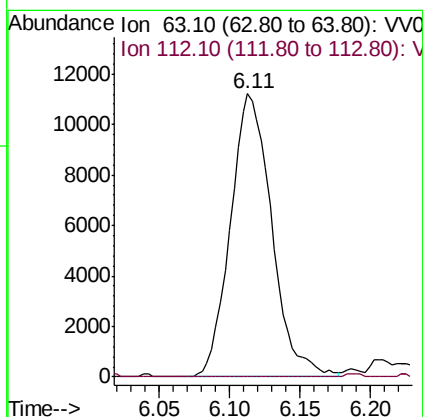
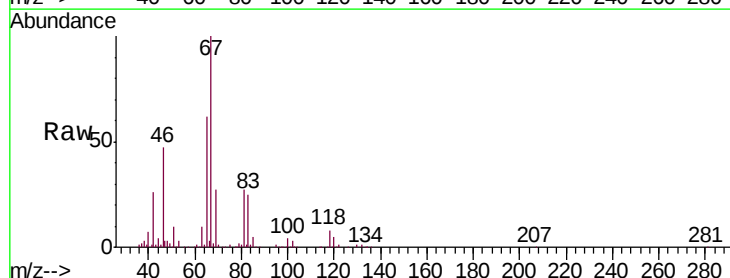
Instrument :
MSVOA_V
ClientSampleId :
H0G14

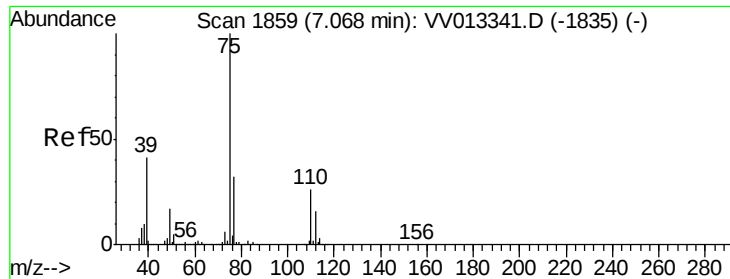
Tgt Ion: 83 Resp: 54784
Ion Ratio Lower Upper
83 100
55 1.0 62.4 93.6#
98 0.0 39.2 58.8#



#37
1,2-Dichloropropane
Concen: 0.574 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013347.D
Acq: 25 Oct 2019 15:44

Tgt Ion: 63 Resp: 22965
Ion Ratio Lower Upper
63 100
112 0.5 4.1 6.1#



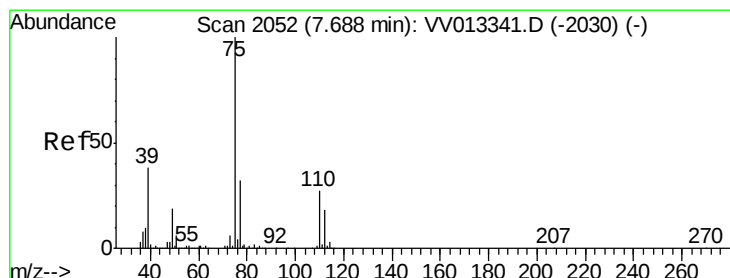
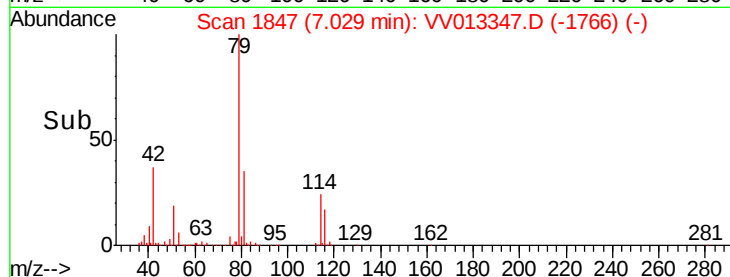
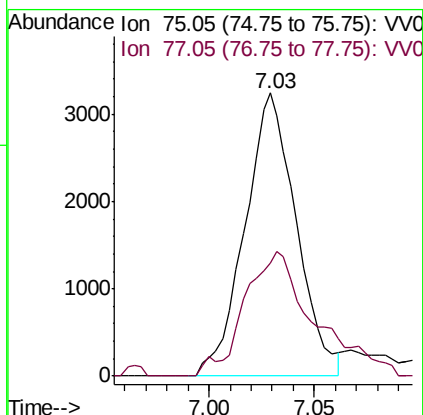
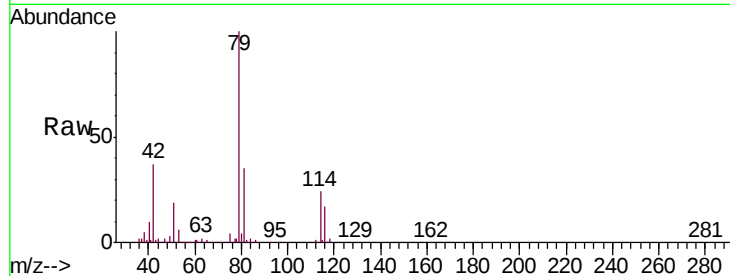


#39

cis-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV013347.D
Acq: 25 Oct 2019 15:44

Instrument :
MSVOA_V
ClientSampleId :
H0G14

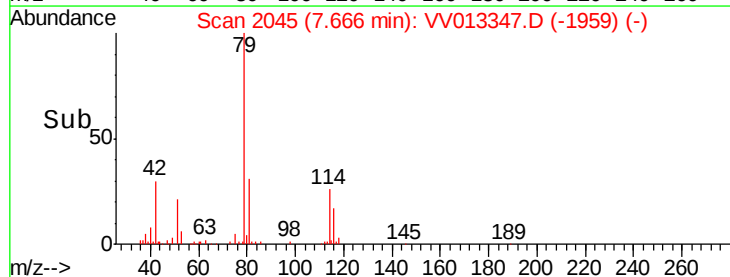
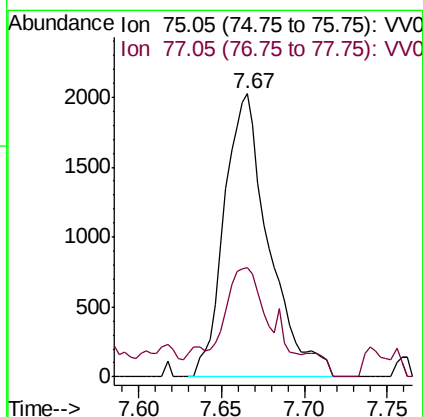
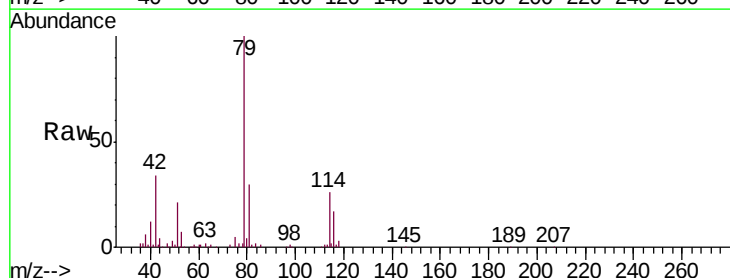
Tgt Ion: 75 Resp: 5473
Ion Ratio Lower Upper
75 100
77 39.8 22.6 42.0

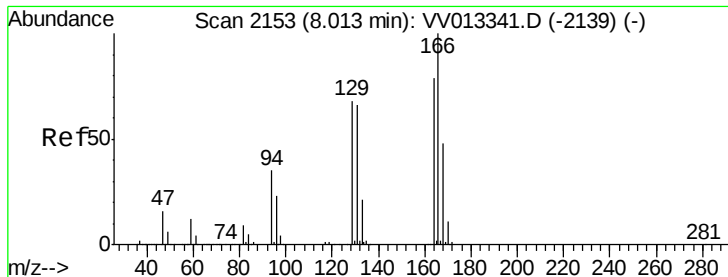


#44

trans-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.02 min
Lab File: VV013347.D
Acq: 25 Oct 2019 15:44

Tgt Ion: 75 Resp: 3780
Ion Ratio Lower Upper
75 100
77 38.5 21.8 40.6

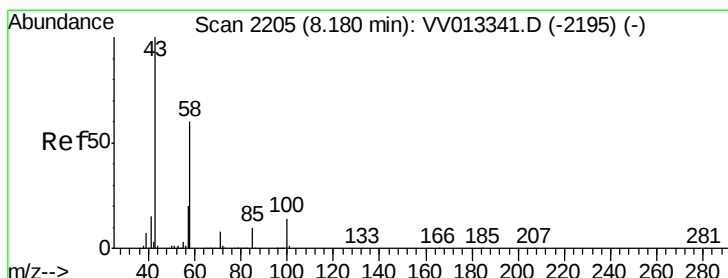
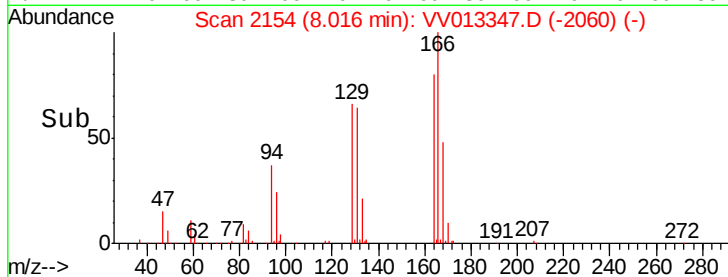
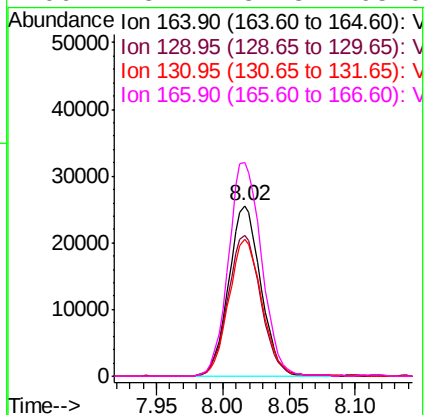
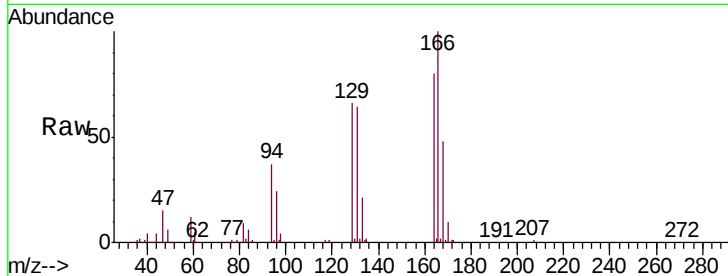




#47
Tetrachloroethene
Concen: 1.074 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013347.D
Acq: 25 Oct 2019 15:44

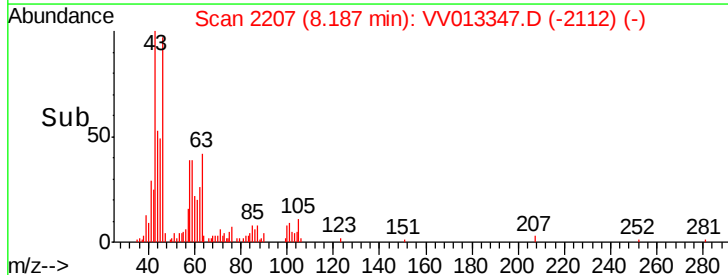
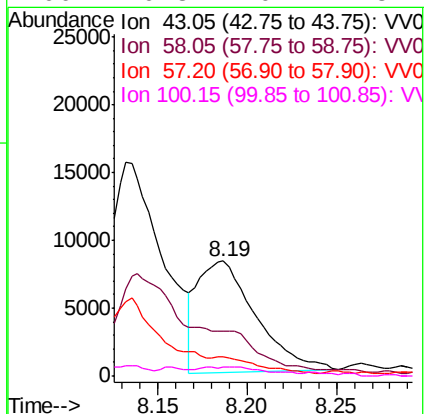
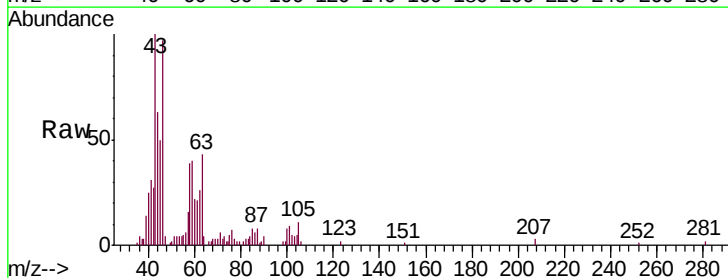
Instrument :
MSVOA_V
ClientSampleId :
H0G14

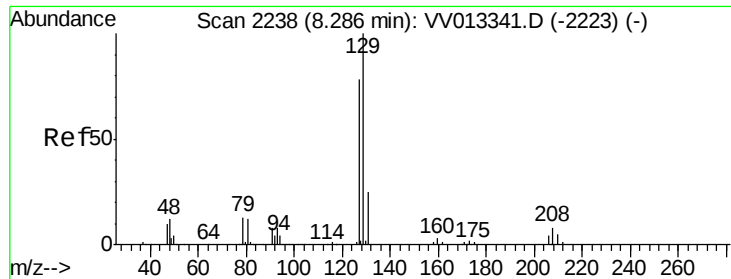
Tgt Ion:164 Resp: 43092
Ion Ratio Lower Upper
164 100
129 82.3 61.0 113.2
131 79.9 57.5 106.9
166 125.1 87.8 163.0



#48
2-Hexanone
Concen: 1.263 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV013347.D
Acq: 25 Oct 2019 15:44

Tgt Ion: 43 Resp: 18438
Ion Ratio Lower Upper
43 100
58 0.0 45.1 67.7#
57 0.0 15.5 23.3#
100 0.8 10.2 15.2#





#49

Dibromochloromethane

Concen: 1.014 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013347.D

Acq: 25 Oct 2019 15:44

Instrument :

MSVOA_V

ClientSampleId :

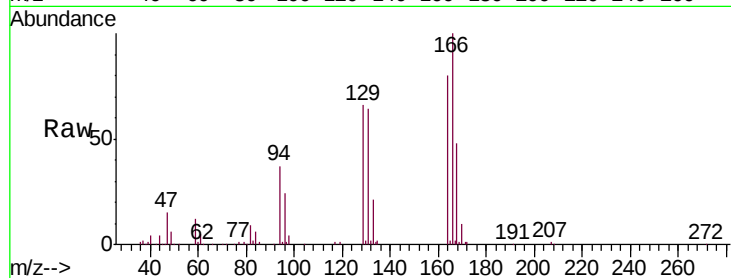
H0G14

Tgt Ion:129 Resp: 35675

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

