

Data File : VV009581.D
Acq On : 10 Mar 2019 21:31
Operator : SY/MD
Sample : K1818-12
Misc : 5.68G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0R2

Quant Time: Mar 11 04:54:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 04:48:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	113720	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	114037	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	50538	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25766	18.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.28%
7) Chloroethane-d5	1.57	69	30348	15.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.32%
10) 1,1-Dichloroethene-d2	2.13	63	63029	17.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.76%
20) 2-Butanone-d5	3.93	46	26566	56.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.90%
24) Chloroform-d	4.40	84	58683	21.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.64%
26) 1,2-Dichloroethane-d4	5.08	65	43560	28.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.04%
29) Benzene-d6	5.10	84	140195	24.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.28%
33) 1,2-Dichloropropane-d6	6.12	67	44061	26.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.76%
37) Toluene-d8	7.36	98	133449	24.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.96%
38) trans-1,3-Dichloropropene-	7.67	79	17571	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.00%
39) 2-Hexanone-d5	8.13	63	19528	50.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.40%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47927	26.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.92%
61) 1,2-Dichlorobenzene-d4	11.68	152	48876	26.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.96%

Target Compounds

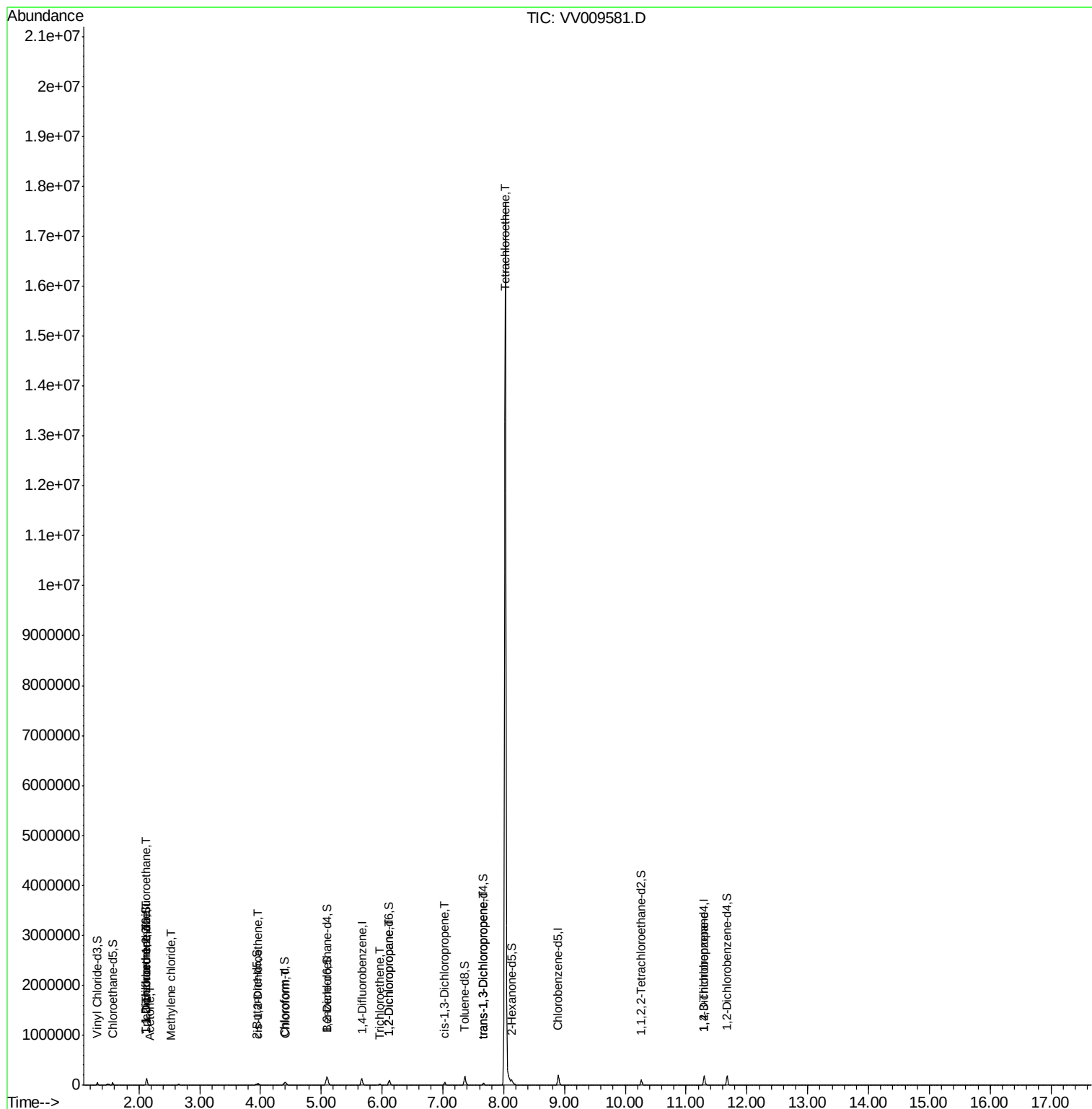
						Qvalue
9) Trichlorofluoromethane	2.13	101	1595	0.505	ug/L	78
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1595	0.903	ug/L #	63
12) 1,1-Dichloroethene	2.14	96	4523	2.992	ug/L #	1
13) Acetone	2.20	43	1197	2.524	ug/L	53
16) Methylene chloride	2.54	84	1255	0.841	ug/L	90
22) cis-1,2-Dichloroethene	3.96	96	8554	5.579	ug/L	94
25) Chloroform	4.43	83	12662	4.741	ug/L	93
35) Trichloroethene	5.96	95	5032	2.972	ug/L	92
40) 1,2-Dichloropropane	6.12	63	5424	3.570	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1713	0.726	ug/L #	66
45) trans-1,3-Dichloropropene	7.67	75	1113	0.540	ug/L	88
47) Tetrachloroethene	8.03	164	3364677	2619.607	ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	6998	5.447	ug/L #	84

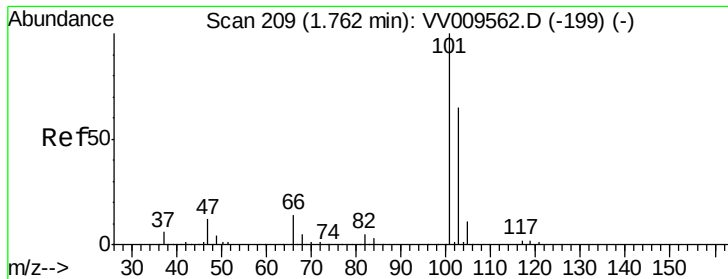
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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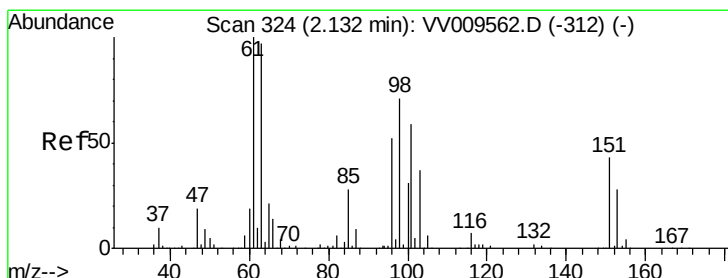
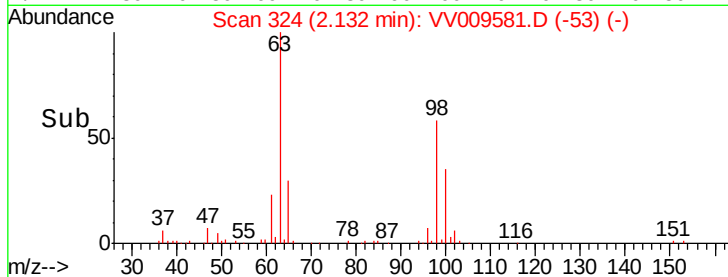
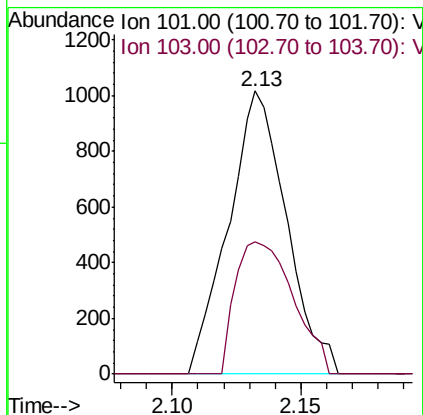
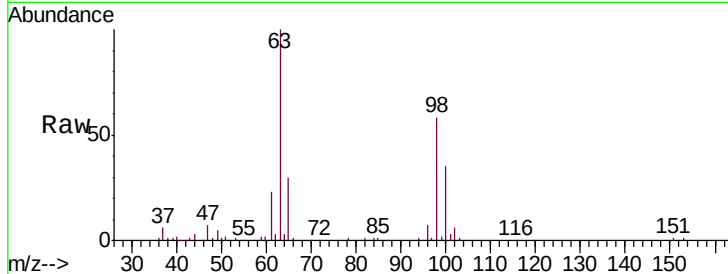


#9

Trichlorofluoromethane
 Concen: 0.505 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. 0.37 min
 Lab File: VV009581.D
 Acq: 10 Mar 2019 21:31

Instrument :
 MSVOA_V
 ClientSampled :
 BF0R2

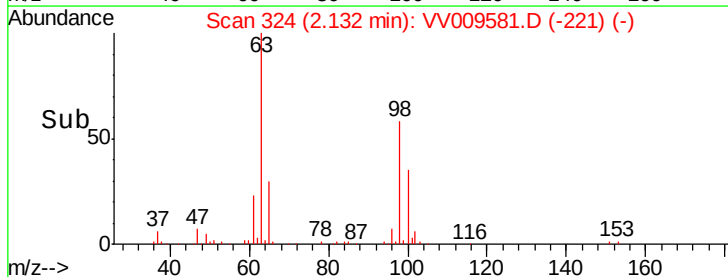
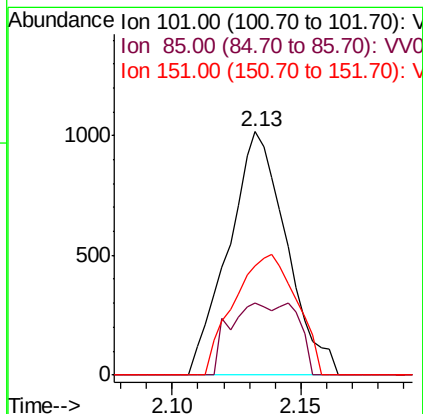
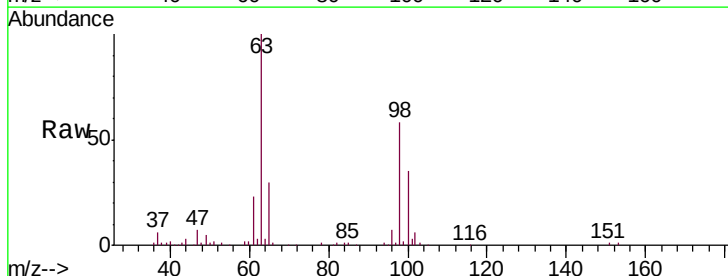
Tgt Ion:101 Resp: 1595
 Ion Ratio Lower Upper
 101 100
 103 46.8 44.7 83.1

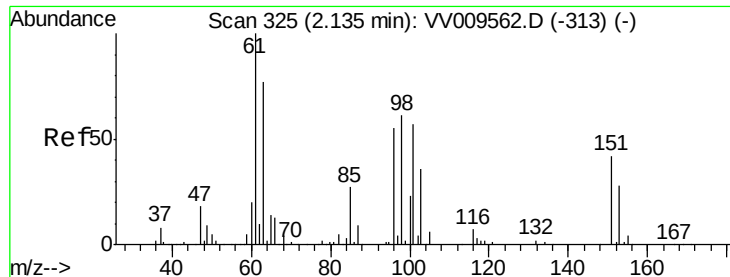


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.903 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV009581.D
 Acq: 10 Mar 2019 21:31

Tgt Ion:101 Resp: 1595
 Ion Ratio Lower Upper
 101 100
 85 8.7 40.1 60.1#
 151 53.5 55.9 83.9#

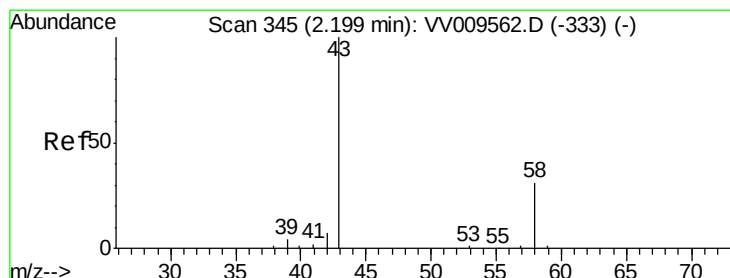
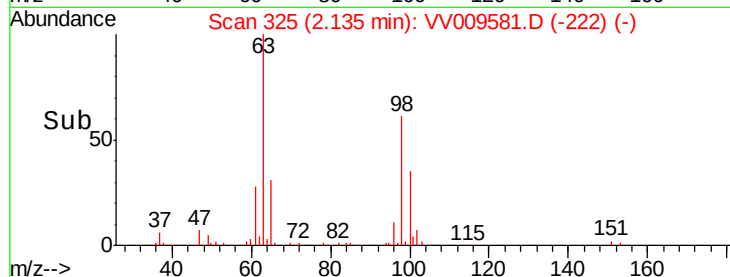
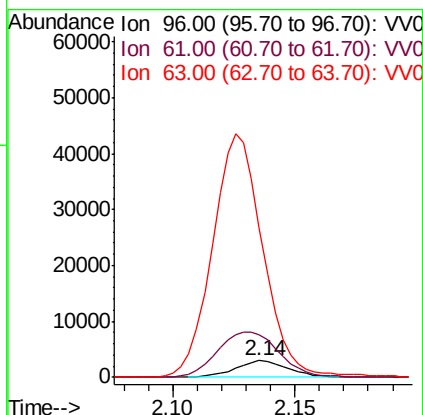
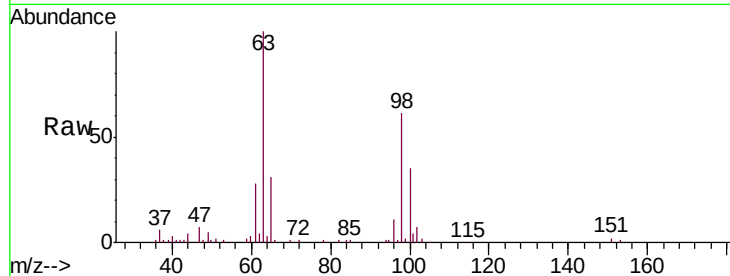




#12
 1,1-Dichloroethene
 Concen: 2.992 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV009581.D
 Acq: 10 Mar 2019 21:31

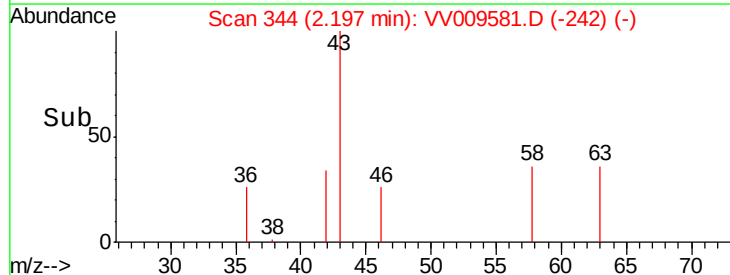
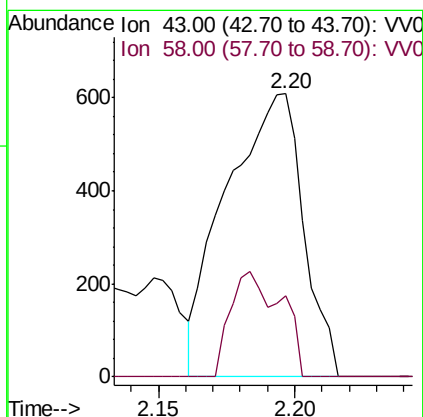
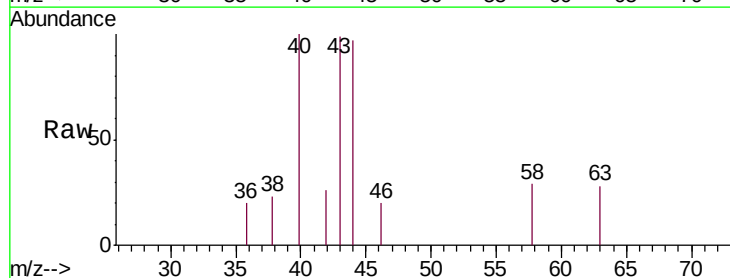
Instrument :
 MSVOA_V
 ClientSampled :
 BF0R2

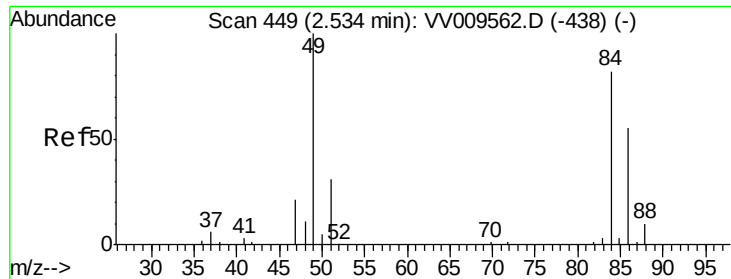
Tgt Ion: 96 Resp: 4523
 Ion Ratio Lower Upper
 96 100
 61 253.5 136.9 254.3
 63 892.4 108.7 201.9#



#13
 Acetone
 Concen: 2.524 ug/L
 RT: 2.20 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VV009581.D
 Acq: 10 Mar 2019 21:31

Tgt Ion: 43 Resp: 1197
 Ion Ratio Lower Upper
 43 100
 58 7.5 0.0 68.8

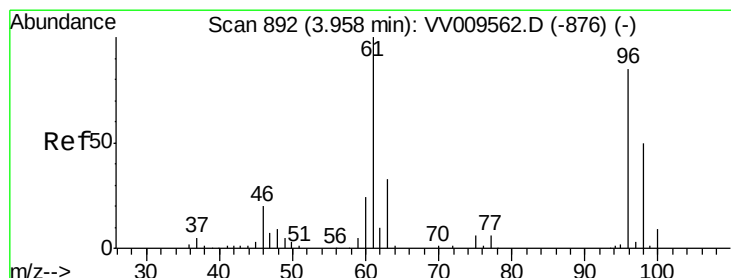
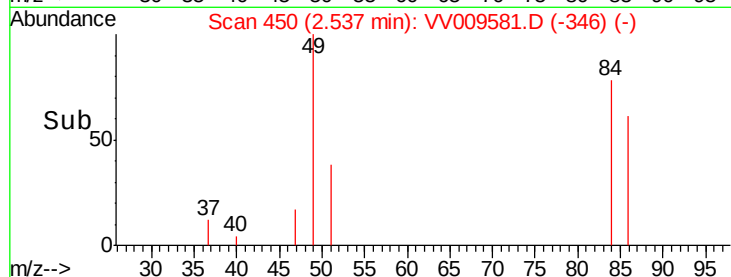
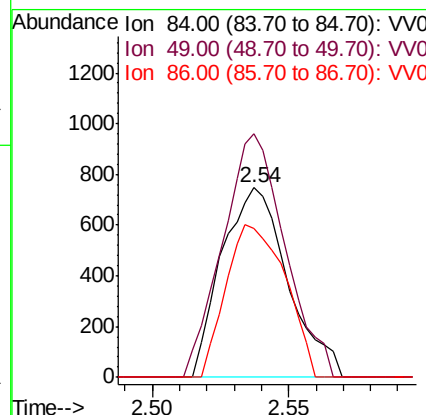
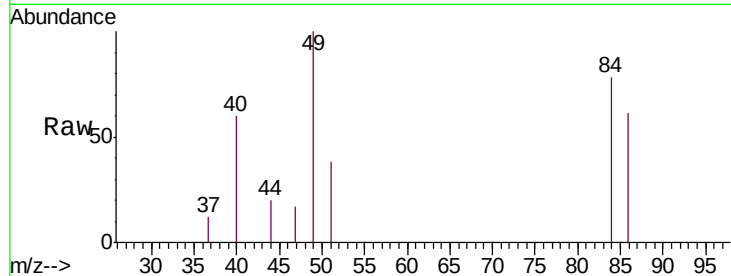




#16
Methylene chloride
Concen: 0.841 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009581.D
Acq: 10 Mar 2019 21:31

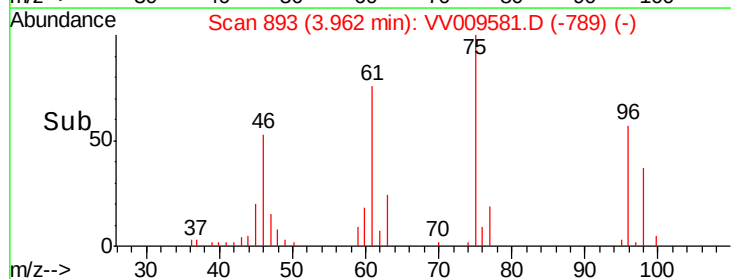
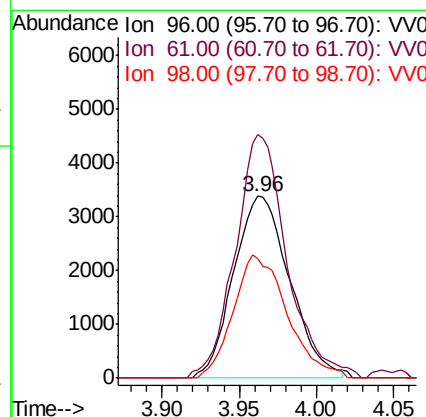
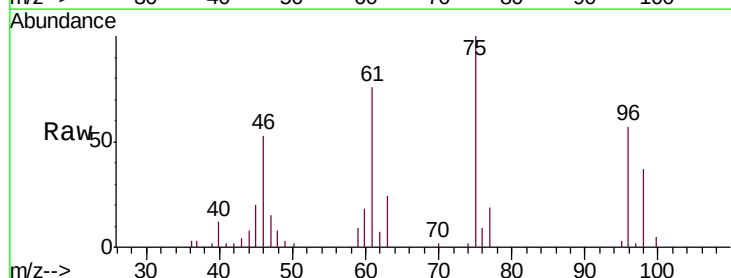
Instrument :
MSVOA_V
ClientSampled :
BF0R2

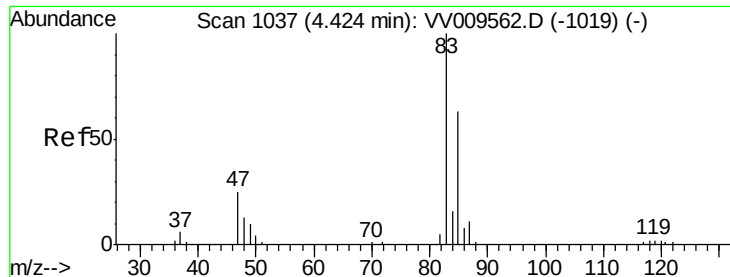
Tgt Ion: 84 Resp: 1255
Ion Ratio Lower Upper
84 100
49 128.7 84.6 157.0
86 79.0 46.1 85.7



#22
cis-1,2-Dichloroethene
Concen: 5.579 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009581.D
Acq: 10 Mar 2019 21:31

Tgt Ion: 96 Resp: 8554
Ion Ratio Lower Upper
96 100
61 134.1 87.2 161.9
98 65.8 44.6 82.8

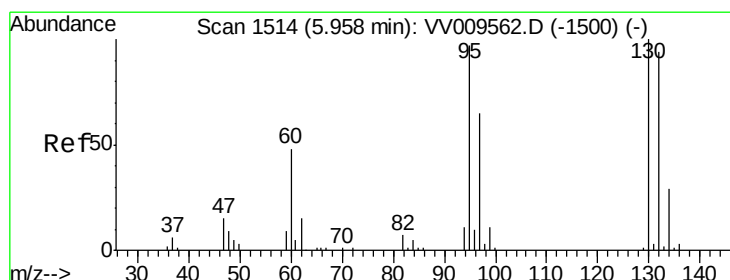
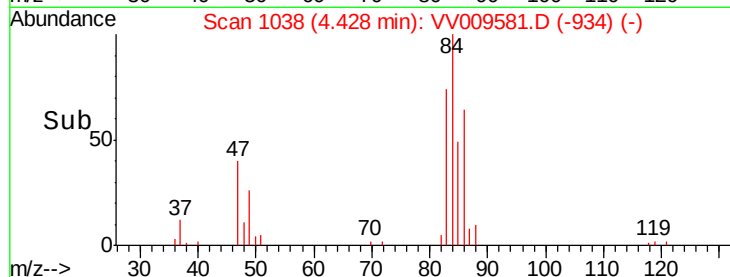
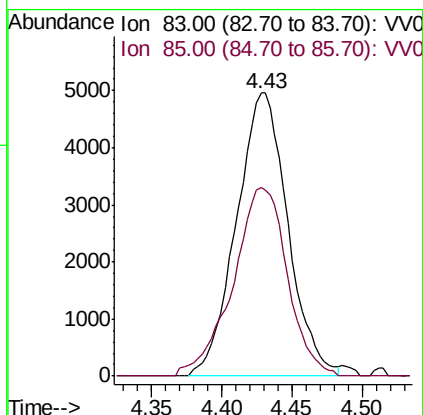
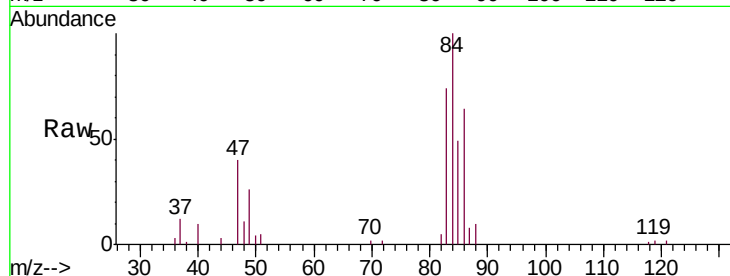




#25
Chloroform
Concen: 4.741 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009581.D
Acq: 10 Mar 2019 21:31

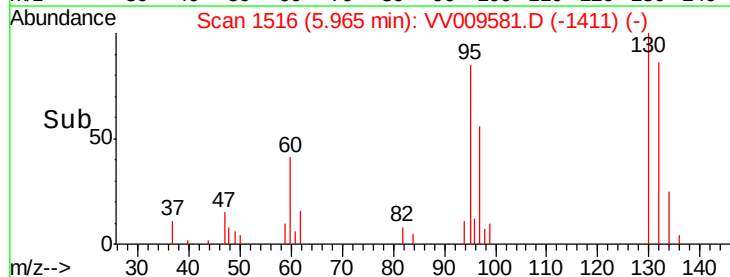
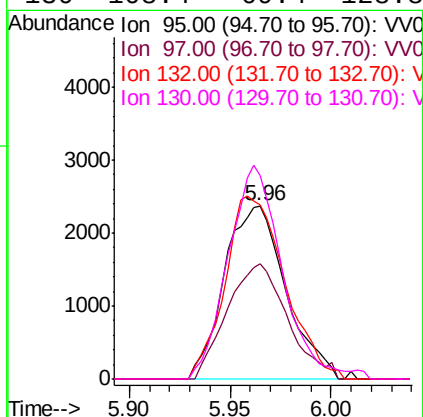
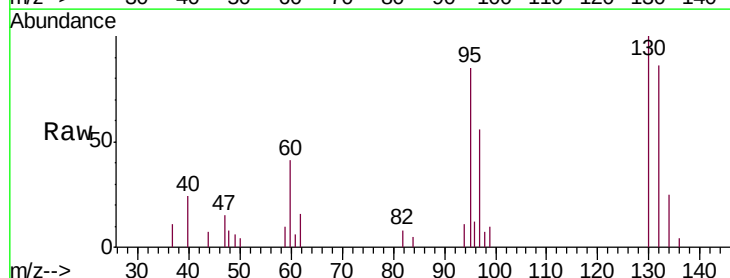
Instrument :
MSVOA_V
ClientSampled :
BF0R2

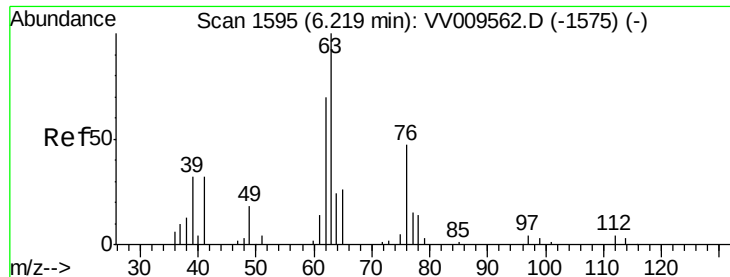
Tgt Ion: 83 Resp: 12662
Ion Ratio Lower Upper
83 100
85 70.4 45.4 84.2



#35
Trichloroethene
Concen: 2.972 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.01 min
Lab File: VV009581.D
Acq: 10 Mar 2019 21:31

Tgt Ion: 95 Resp: 5032
Ion Ratio Lower Upper
95 100
97 64.6 44.3 82.3
132 103.1 64.4 119.6
130 108.4 69.4 128.8





#40

1,2-Dichloropropane

Concen: 3.570 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009581.D

Acq: 10 Mar 2019 21:31

Instrument :

MSVOA_V

ClientSampleId :

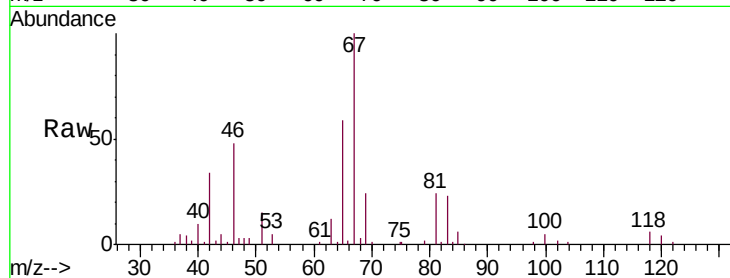
BF0R2

Tgt Ion: 63 Resp: 5424

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV009562.D (-1575) (-)

Ion 112.00 (111.70 to 112.70): VV009562.D (-1575) (-)

6.12

2500

2000

1500

1000

500

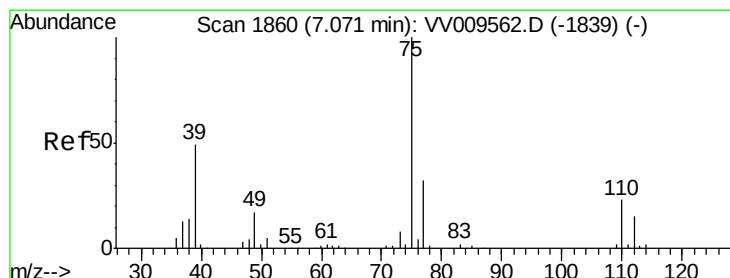
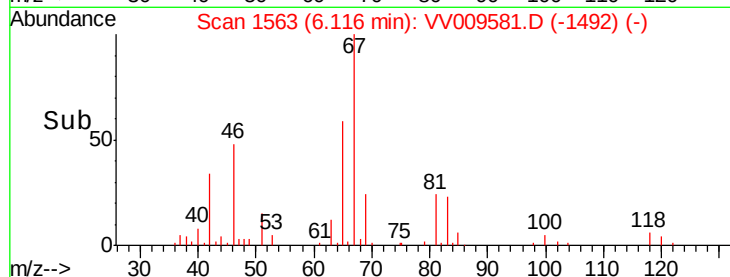
0

6.05

6.10

6.15

Time-->



#42

cis-1,3-Dichloropropene

Concen: 0.726 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009581.D

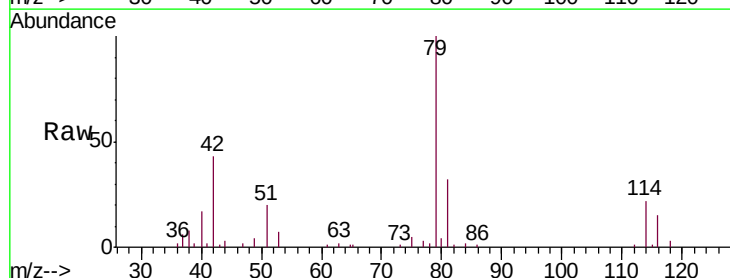
Acq: 10 Mar 2019 21:31

Tgt Ion: 75 Resp: 1713

Ion Ratio Lower Upper

75 100

77 49.4 21.4 39.8#



Abundance Ion 75.00 (74.70 to 75.70): VV009562.D (-1839) (-)

Ion 77.00 (76.70 to 77.70): VV009562.D (-1839) (-)

7.03

1000

800

600

400

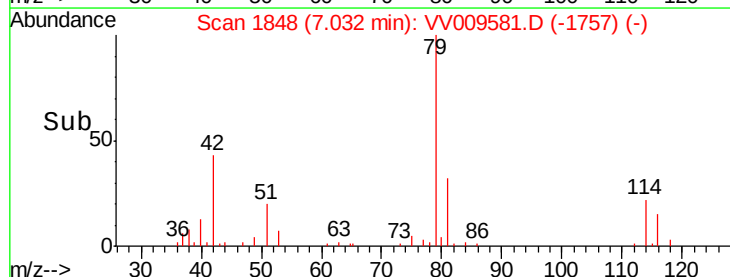
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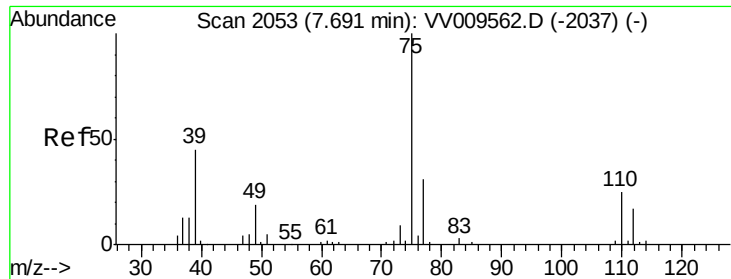
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7.00

7.05

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.540 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009581.D

Acq: 10 Mar 2019 21:31

Instrument :

MSVOA_V

ClientSampleId :

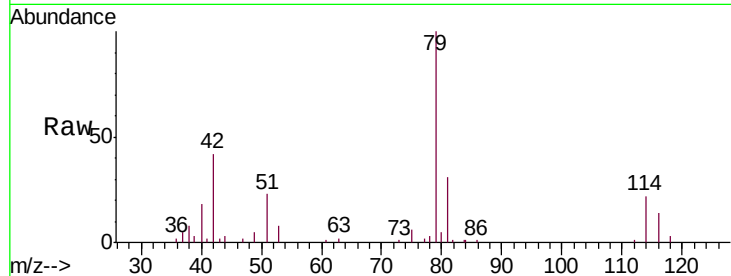
BF0R2

Tgt Ion: 75 Resp: 1113

Ion Ratio Lower Upper

75 100

77 38.8 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009562.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009562.D (-2037) (-)

7.67

600

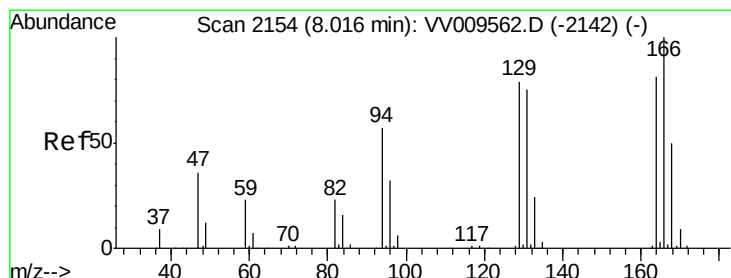
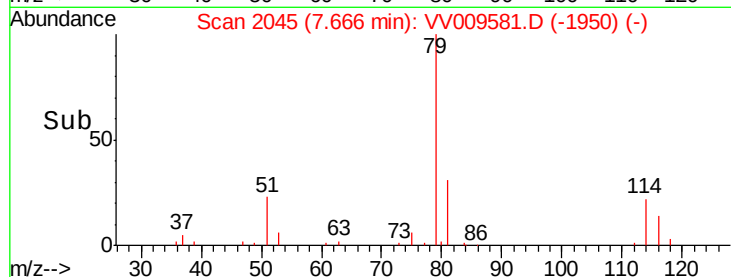
400

200

0

7.65 7.70

Time-->



#47

Tetrachloroethene

Concen: 2619.607 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. 0.01 min

Lab File: VV009581.D

Acq: 10 Mar 2019 21:31

Tgt Ion: 164 Resp: 3364677

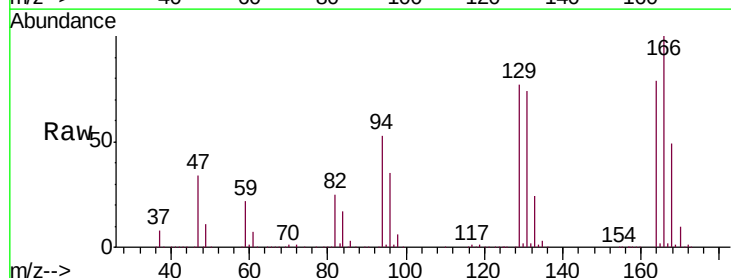
Ion Ratio Lower Upper

164 100

129 96.5 67.7 125.7

131 92.9 67.5 125.3

166 126.0 81.6 151.6



Abundance Ion 164.00 (163.70 to 164.70): VV009562.D (-2142) (-)

Ion 129.00 (128.70 to 129.70): VV009562.D (-2142) (-)

Ion 131.00 (130.70 to 131.70): VV009562.D (-2142) (-)

Ion 166.00 (165.70 to 166.70): VV009562.D (-2142) (-)

8.03

4000000

3000000

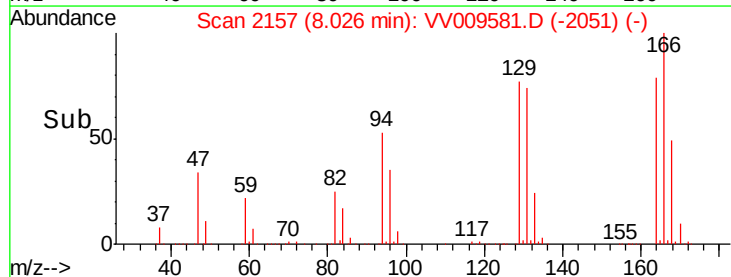
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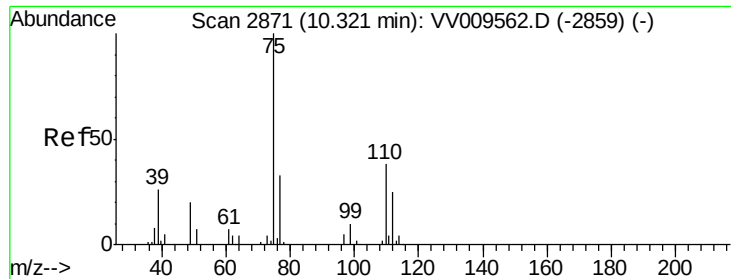
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0

7.90 8.00 8.10 8.20

Time-->





#59
 1,2,3-Trichloropropane
 Concen: 5.447 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.97 min
 Lab File: VV009581.D
 Acq: 10 Mar 2019 21:31

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0R2

Tgt Ion: 75 Resp: 6998
 Ion Ratio Lower Upper
 75 100
 77 41.1 25.9 38.9#

