

Data File : VV009576.D
Acq On : 10 Mar 2019 19:19
Operator : SY/MD
Sample : K1818-13
Misc : 5.64G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0R3

Quant Time: Mar 11 04:53:19 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	142767	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	138481	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63700	25.00	ug/L	0.00

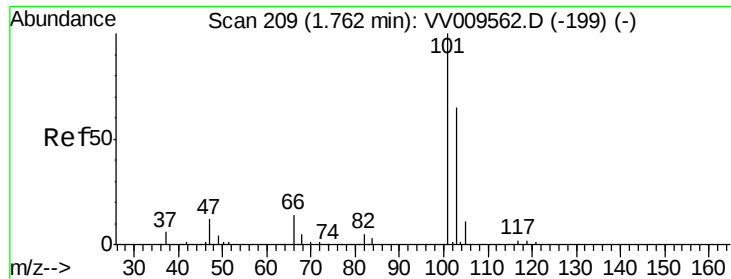
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27089	15.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.04%
7) Chloroethane-d5	1.57	69	30974	12.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	49.84%
10) 1,1-Dichloroethene-d2	2.13	63	69045	15.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.76%
20) 2-Butanone-d5	3.93	46	25251	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	4.40	84	69377	20.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.08	65	45896	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.88%
29) Benzene-d6	5.10	84	155270	22.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.56%
33) 1,2-Dichloropropane-d6	6.12	67	48578	24.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.00%
37) Toluene-d8	7.36	98	148332	22.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.72%
38) trans-1,3-Dichloropropene-	7.66	79	20011	20.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.60%
39) 2-Hexanone-d5	8.13	63	18307	38.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	46819	21.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.84%
61) 1,2-Dichlorobenzene-d4	11.68	152	53683	23.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.36%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	2.13	101	3710	0.936 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3710	1.672 ug/L	89
12) 1,1-Dichloroethene	2.14	96	9657	5.088 ug/L #	1
13) Acetone	2.19	43	1275	2.141 ug/L	59
22) cis-1,2-Dichloroethene	3.96	96	15355	7.978 ug/L	92
25) Chloroform	4.43	83	9606	2.865 ug/L	90
27) 1,2-Dichloroethane	5.09	62	634	0.272 ug/L #	77
35) Trichloroethene	5.96	95	11348	5.518 ug/L	98
42) cis-1,3-Dichloropropene	7.03	75	1810	0.632 ug/L #	78
47) Tetrachloroethene	8.04	164	15128457	9699.358 ug/L	93
59) 1,2,3-Trichloropropane	11.30	75	8690	5.570 ug/L	92

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



#9

Trichlorofluoromethane

Concen: 0.936 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.37 min

Lab File: VV009576.D

Acq: 10 Mar 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

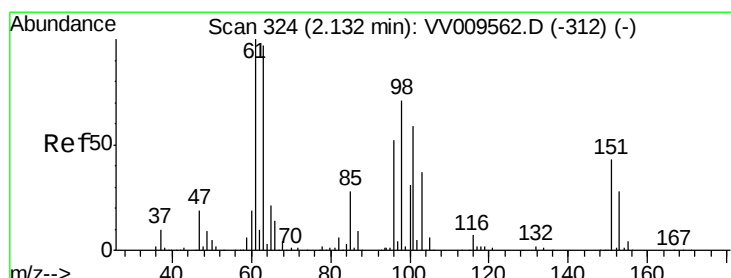
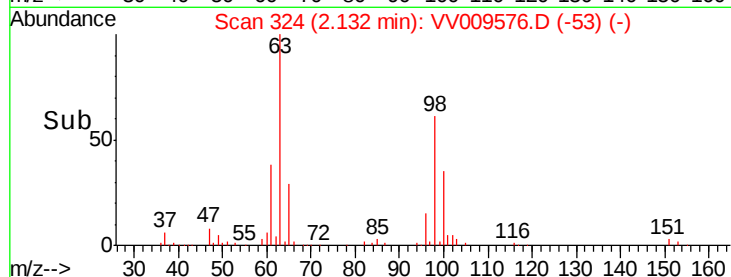
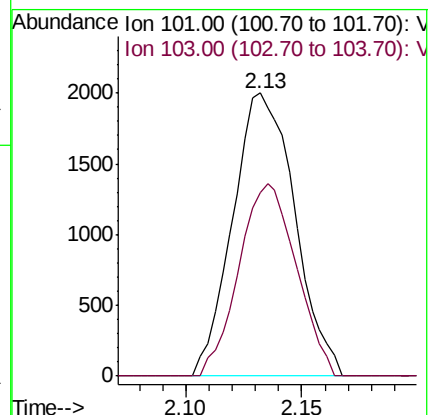
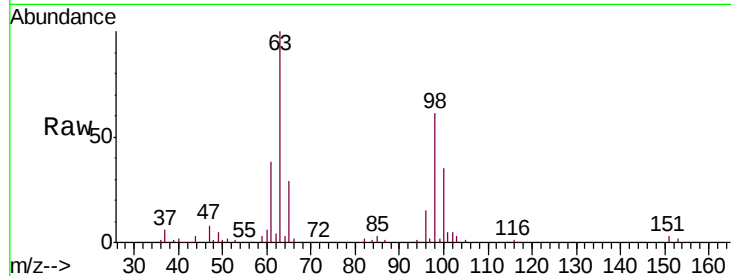
BF0R3

Tgt Ion:101 Resp: 3710

Ion Ratio Lower Upper

101 100

103 62.9 44.7 83.1



#11

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

Concen: 1.672 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009576.D

Acq: 10 Mar 2019 19:19

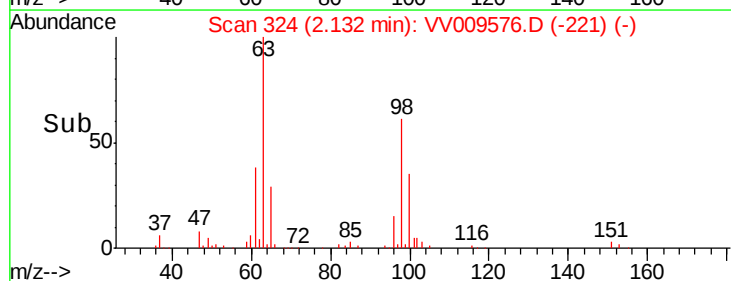
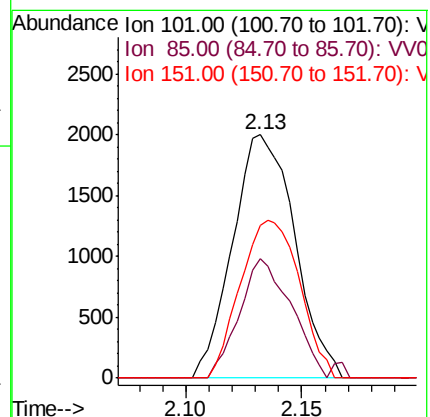
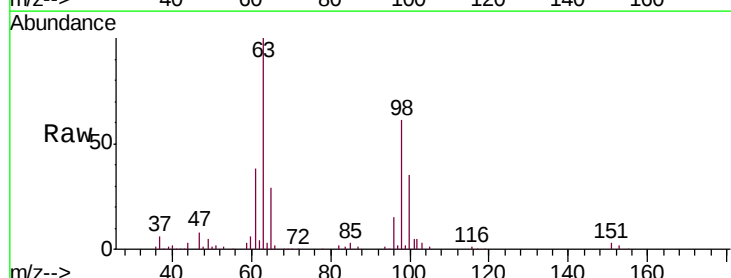
Tgt Ion:101 Resp: 3710

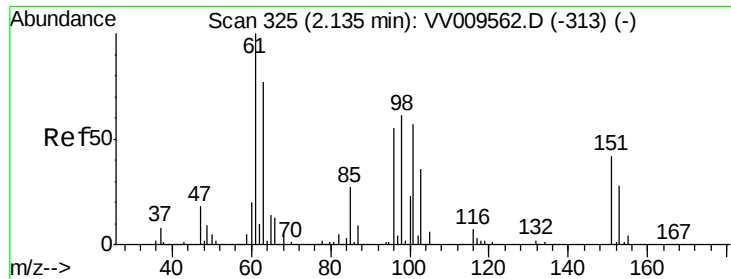
Ion Ratio Lower Upper

101 100

85 40.9 40.1 60.1

151 61.8 55.9 83.9





#12

1,1-Dichloroethene

Concen: 5.088 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009576.D

Acq: 10 Mar 2019 19:19

Instrument :

MSVOA_V

ClientSampled :

BF0R3

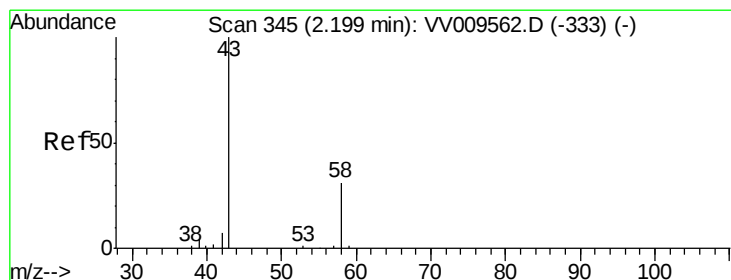
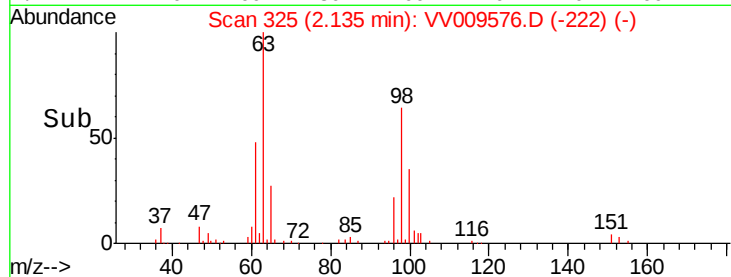
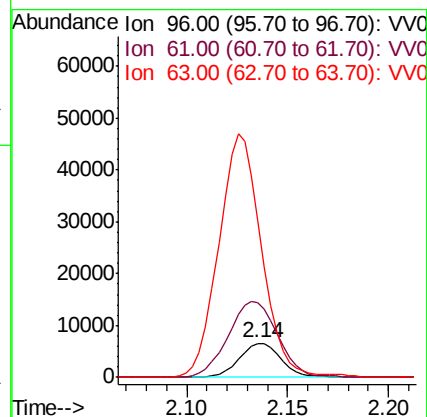
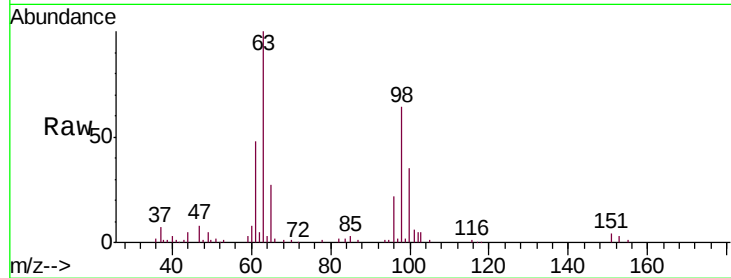
Tgt Ion: 96 Resp: 9657

Ion Ratio Lower Upper

96 100

61 215.7 136.9 254.3

63 454.1 108.7 201.9#



#13

Acetone

Concen: 2.141 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV009576.D

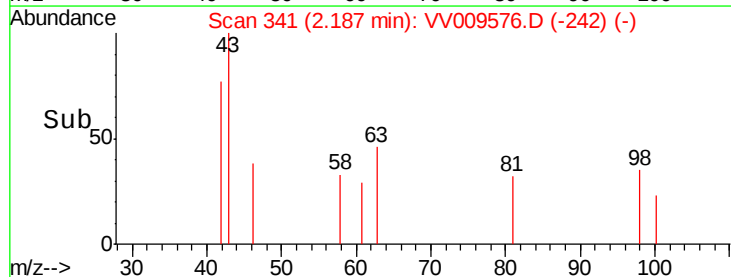
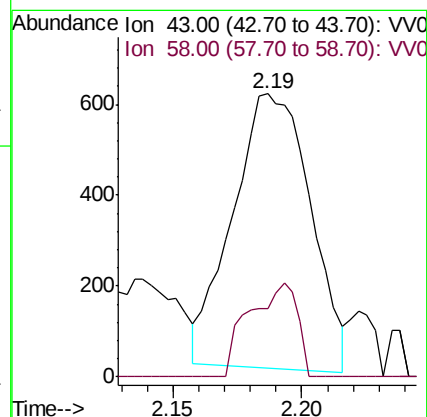
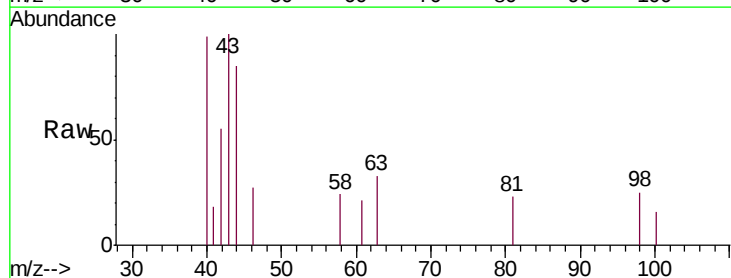
Acq: 10 Mar 2019 19:19

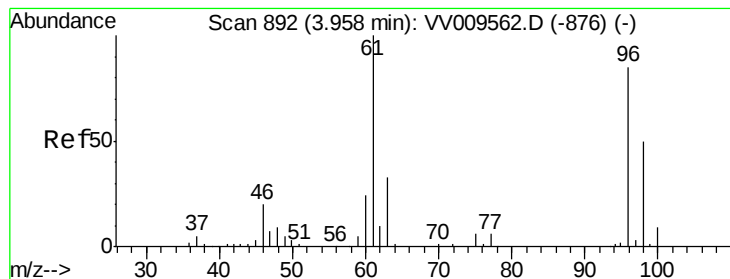
Tgt Ion: 43 Resp: 1275

Ion Ratio Lower Upper

43 100

58 10.5 0.0 68.8



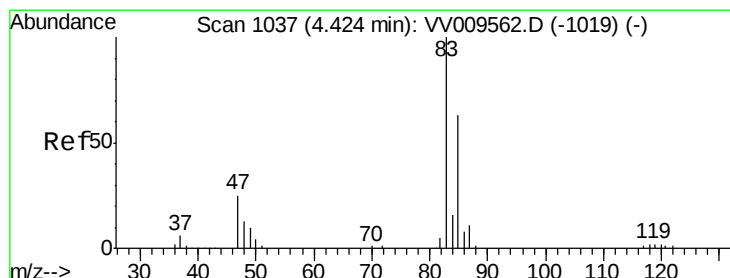
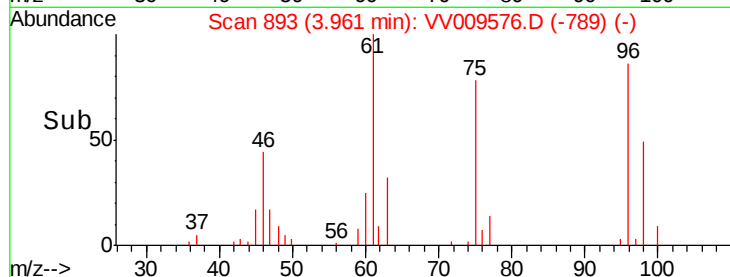
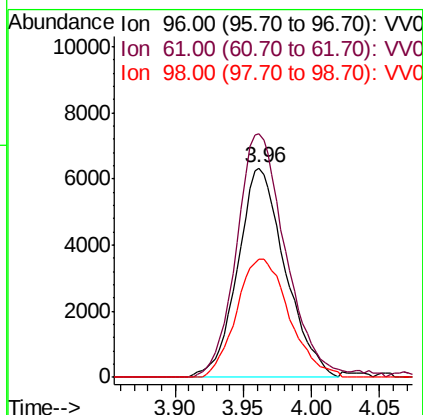
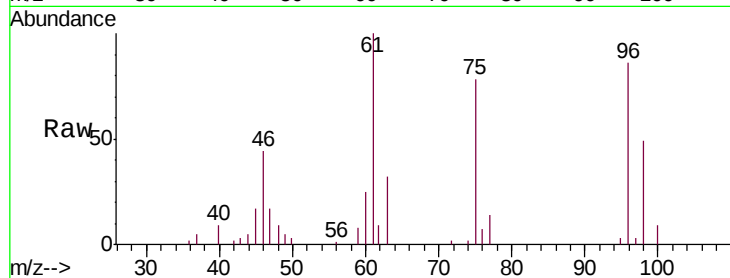


#22

cis-1,2-Dichloroethene
 Concen: 7.978 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009576.D
 Acq: 10 Mar 2019 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0R3

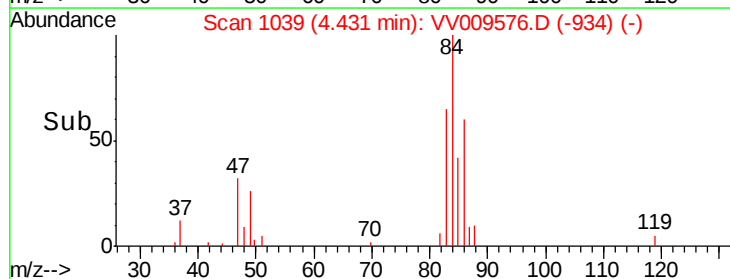
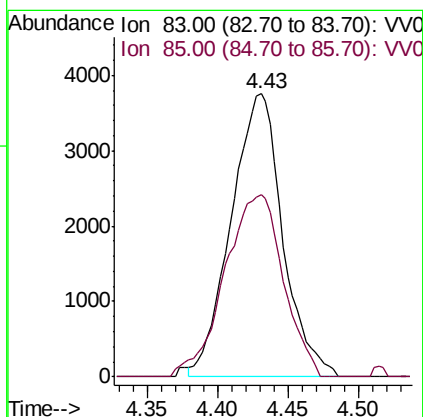
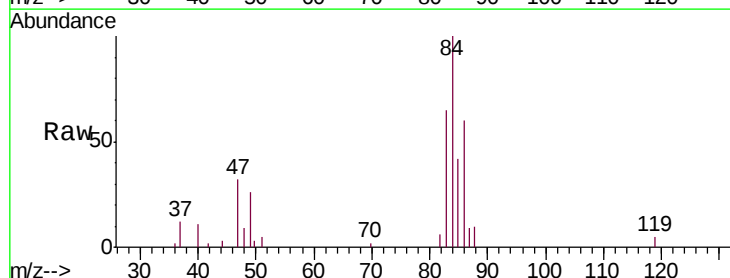
Tgt Ion: 96 Resp: 15355
 Ion Ratio Lower Upper
 96 100
 61 116.2 87.2 161.9
 98 56.7 44.6 82.8

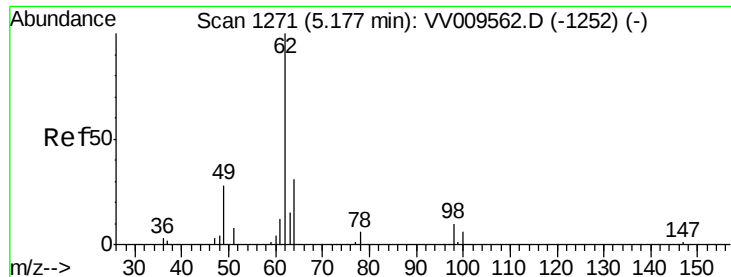


#25

Chloroform
 Concen: 2.865 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VV009576.D
 Acq: 10 Mar 2019 19:19

Tgt Ion: 83 Resp: 9606
 Ion Ratio Lower Upper
 83 100
 85 72.9 45.4 84.2





#27

1,2-Dichloroethane

Concen: 0.272 ug/L

RT: 5.09 min Scan# 1244

Delta R.T. -0.09 min

Lab File: VV009576.D

Acq: 10 Mar 2019 19:19

Instrument :

MSVOA_V

ClientSampled :

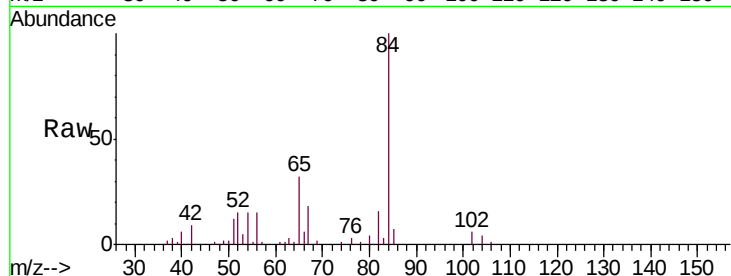
BF0R3

Tgt Ion: 62 Resp: 634

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009562.D (-1252) (-)

Ion 98.00 (97.70 to 98.70): VV009562.D (-1252) (-)

5.09

400

300

200

100

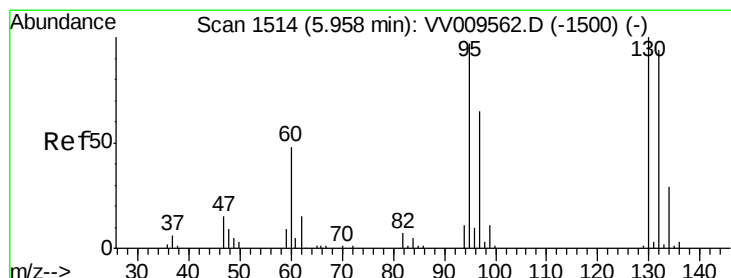
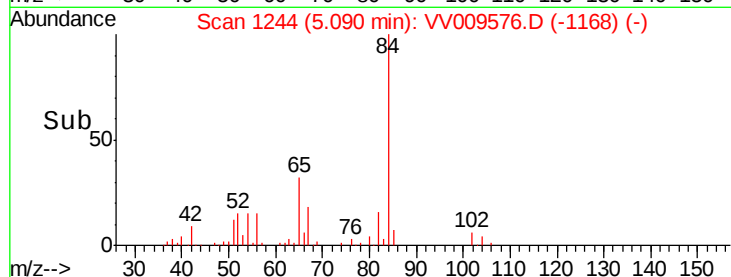
0

5.06

5.08

5.10

Time-->



#35

Trichloroethene

Concen: 5.518 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009576.D

Acq: 10 Mar 2019 19:19

Tgt Ion: 95 Resp: 11348

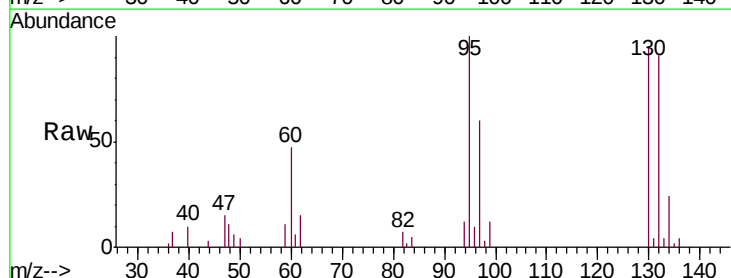
Ion Ratio Lower Upper

95 100

97 64.1 44.3 82.3

132 94.9 64.4 119.6

130 98.0 69.4 128.8



Abundance Ion 95.00 (94.70 to 95.70): VV009562.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009562.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009562.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009562.D (-1500) (-)

8000

6000

4000

2000

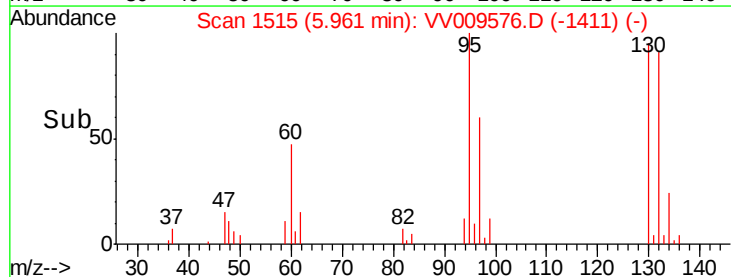
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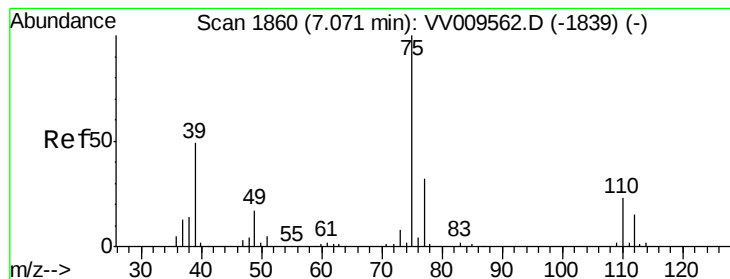
5.90

5.95

6.00

Time-->



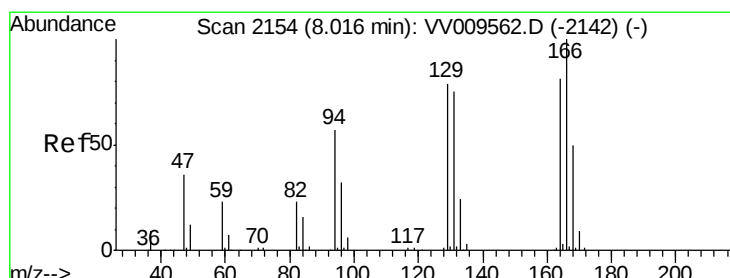
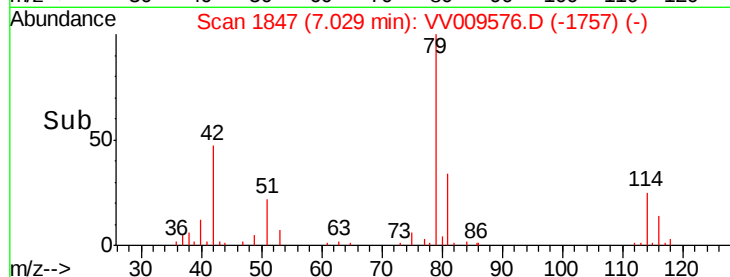
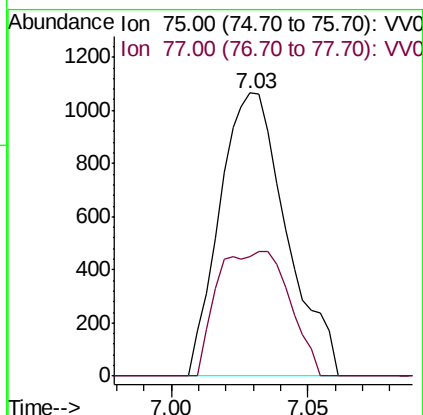
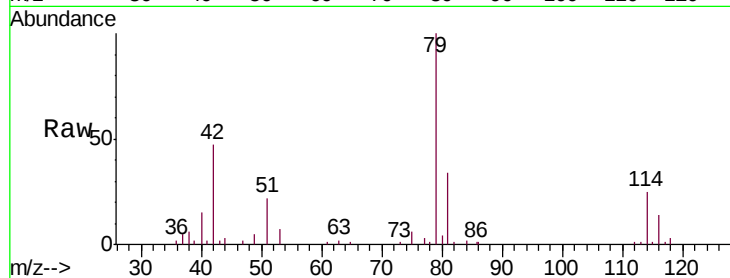


#42

cis-1,3-Dichloropropene
Concen: 0.632 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009576.D
Acq: 10 Mar 2019 19:19

Instrument :
MSVOA_V
ClientSampleId :
BF0R3

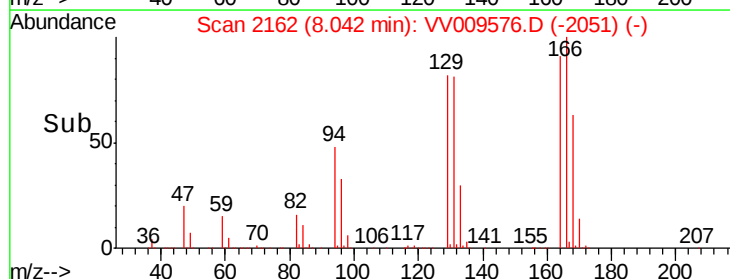
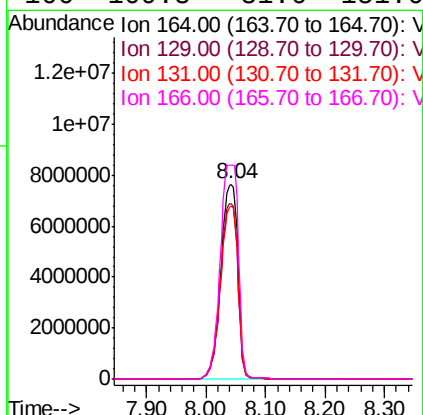
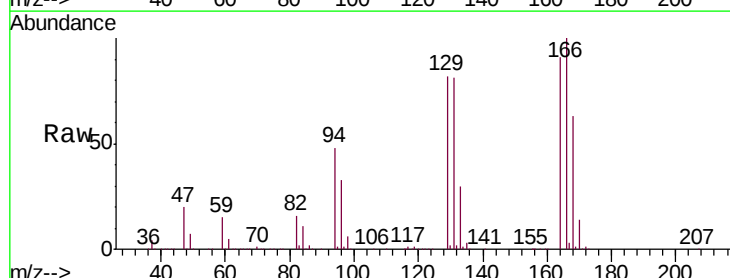
Tgt Ion: 75 Resp: 1810
Ion Ratio Lower Upper
75 100
77 42.4 21.4 39.8#

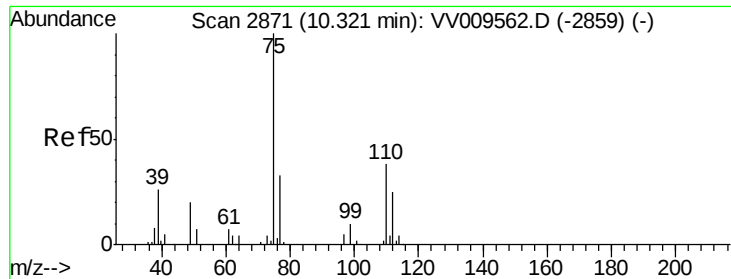


#47

Tetrachloroethene
Concen: 9699.358 ug/L
RT: 8.04 min Scan# 2162
Delta R.T. 0.03 min
Lab File: VV009576.D
Acq: 10 Mar 2019 19:19

Tgt Ion: 164 Resp: 15128457
Ion Ratio Lower Upper
164 100
129 90.5 67.7 125.7
131 88.9 67.5 125.3
166 109.8 81.6 151.6





#59
 1,2,3-Trichloropropane
 Concen: 5.570 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.97 min
 Lab File: VV009576.D
 Acq: 10 Mar 2019 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0R3

Tgt Ion: 75 Resp: 8690
 Ion Ratio Lower Upper
 75 100
 77 37.1 25.9 38.9

