

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010169.D
 Acq On : 08 Apr 2019 12:17
 Operator : SY/MD
 Sample : K2255-01
 Misc : 5.41G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFC34

Quant Time: Apr 09 05:34:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 05:31:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	240240	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	165533	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39164	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46277	14.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.56%
7) Chloroethane-d5	1.58	69	71821	17.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.92%
10) 1,1-Dichloroethene-d2	2.13	63	99662	12.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	49.12%
20) 2-Butanone-d5	4.08	46	178	0.19	ug/L	0.13
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.38%#
24) Chloroform-d	4.40	84	138024	22.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.08	65	76036	22.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.80%
29) Benzene-d6	5.10	84	260305	30.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	121.28%
33) 1,2-Dichloropropane-d6	6.12	67	81415	32.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	128.56%#
37) Toluene-d8	7.36	98	198148	23.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.84%
38) trans-1,3-Dichloropropene-	7.67	79	4192	3.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	15.48%#
39) 2-Hexanone-d5	8.14	63	9271	18.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	36.50%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49258	19.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.84%
61) 1,2-Dichlorobenzene-d4	11.68	152	31180	20.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.76%

Target Compounds

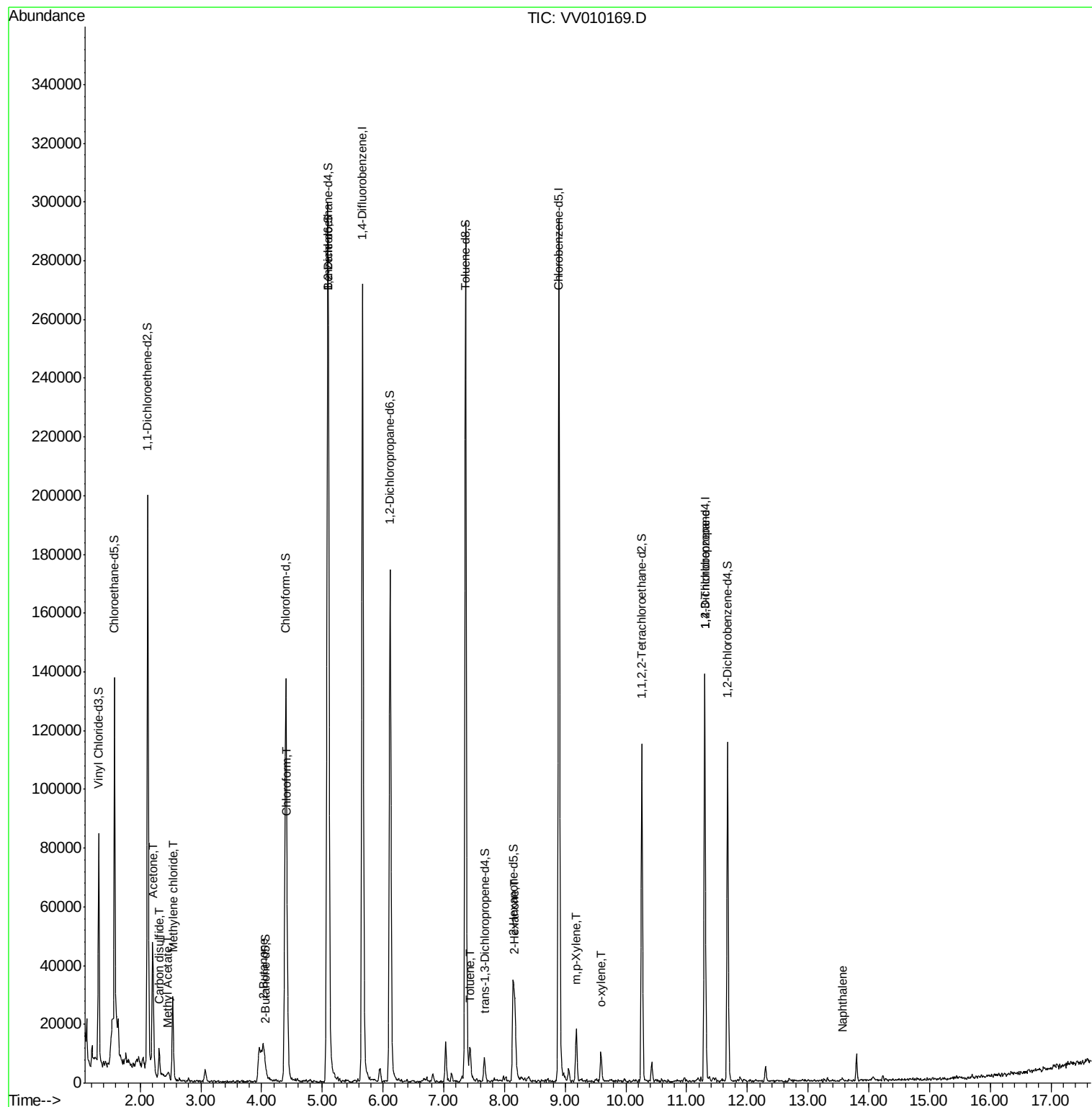
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.21	43	56190	62.100	ug/L	100
14) Carbon disulfide	2.31	76	11404	1.673	ug/L	99
15) Methyl Acetate	2.47	43	1438	0.993	ug/L #	81
16) Methylene chloride	2.53	84	12110	2.869	ug/L	93
21) 2-Butanone	4.03	43	13371	13.493	ug/L	88
25) Chloroform	4.43	83	4190	0.767	ug/L	98
44) Toluene	7.43	91	7344	0.808	ug/L	94
49) 2-Hexanone	8.18	43	14109	13.053	ug/L #	43
54) m,p-Xylene	9.18	106	5030	1.297	ug/L	76
55) o-xylene	9.59	106	3052	0.812	ug/L	77
59) 1,2,3-Trichloropropane	11.30	75	5059	3.029	ug/L #	88
69) Naphthalene	13.56	128	1268	0.583	ug/L #	80

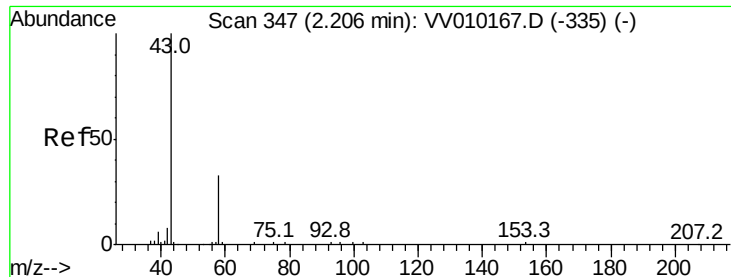
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 62.100 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV010169.D

Acq: 08 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

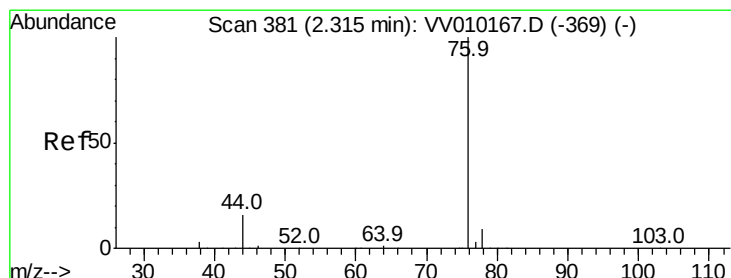
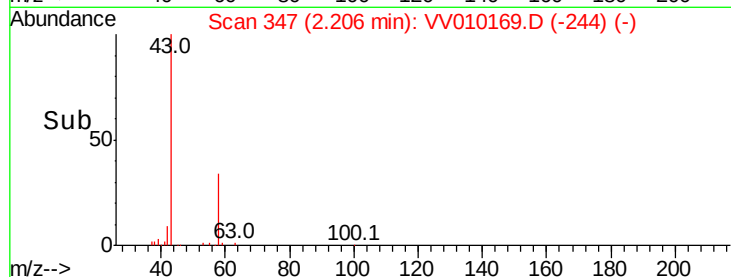
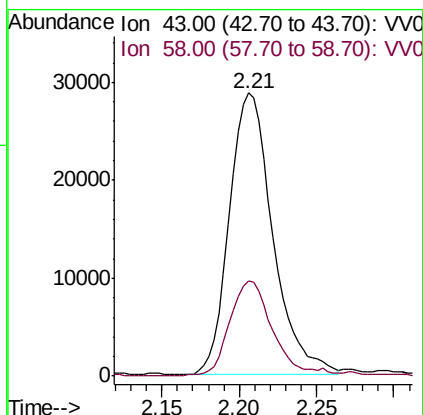
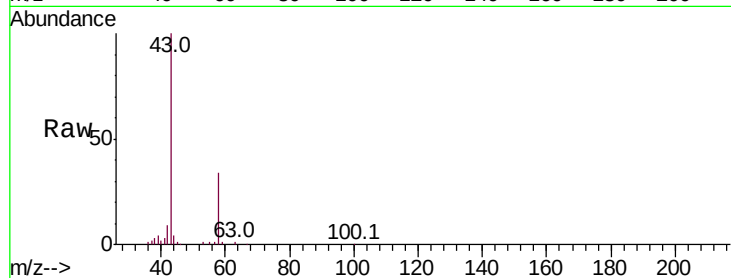
BFC34

Tot Ion: 43 Resp: 56190

Ion Ratio Lower Upper

43 100

58 32.2 0.0 64.6



#14

Carbon disulfide

Concen: 1.673 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010169.D

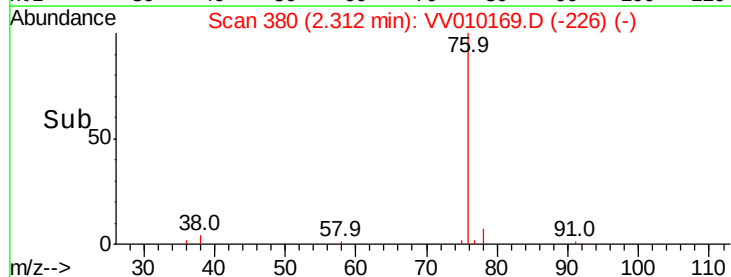
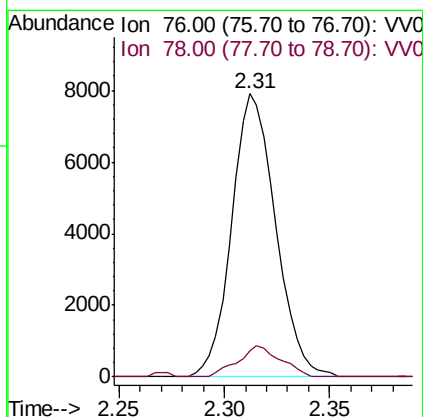
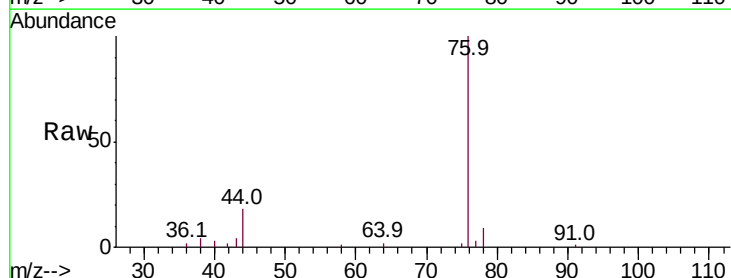
Acq: 08 Apr 2019 12:17

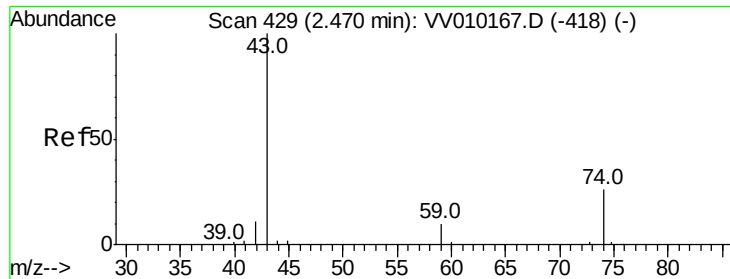
Tgt Ion: 76 Resp: 11404

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

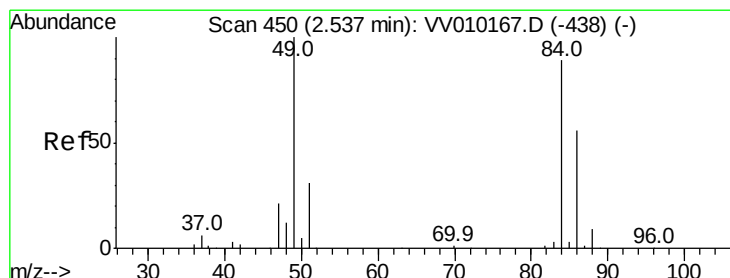
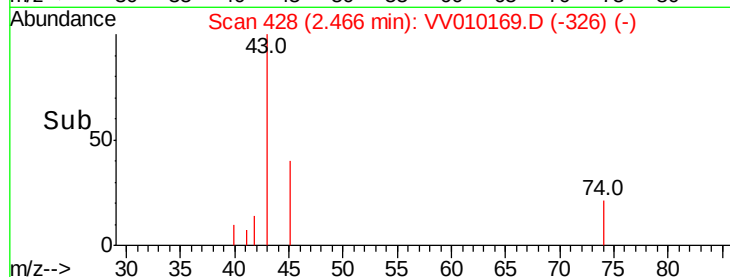
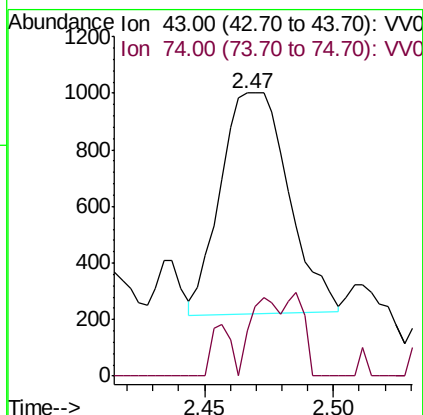
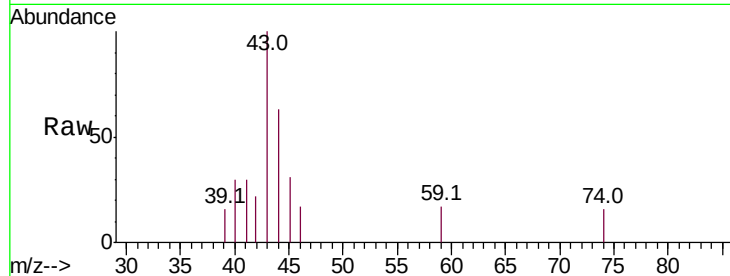




#15
Methvl Acetate
Concen: 0.993 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV010169.D
Acq: 08 Apr 2019 12:17

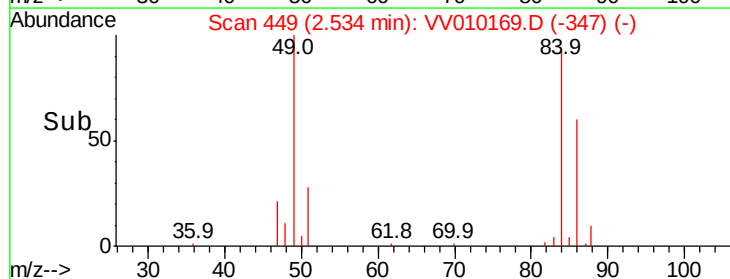
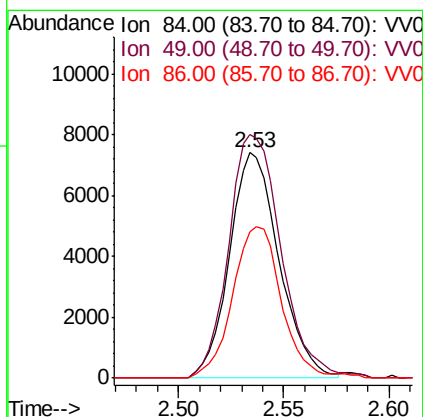
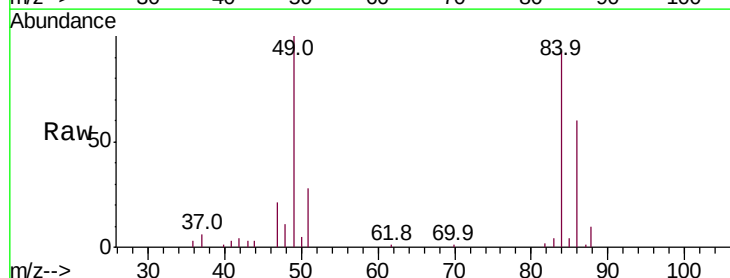
Instrument :
MSVOA_V
ClientSampled :
BFC34

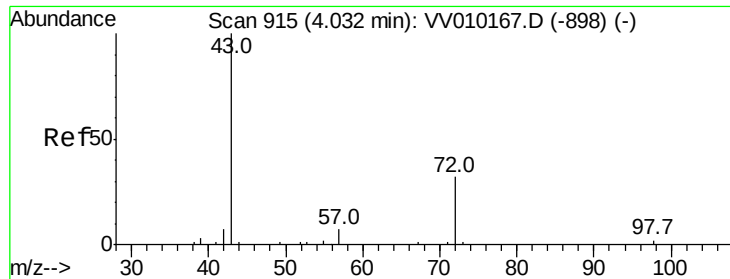
Tot Ion: 43 Resp: 1438
Ion Ratio Lower Upper
43 100
74 15.6 20.0 30.0#



#16
Methylene chloride
Concen: 2.869 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010169.D
Acq: 08 Apr 2019 12:17

Tgt Ion: 84 Resp: 12110
Ion Ratio Lower Upper
84 100
49 108.0 84.3 156.5
86 65.1 45.4 84.2





#21

2-Butanone

Concen: 13.493 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.00 min

Lab File: VV010169.D

Acq: 08 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampled :

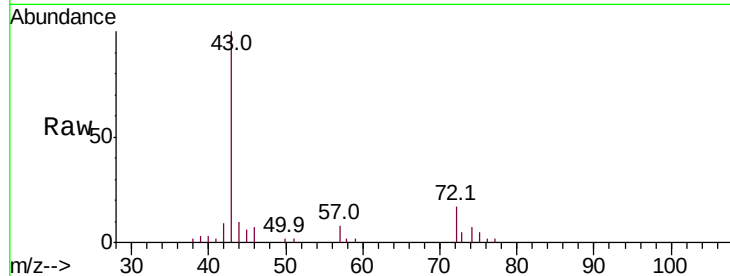
BFC34

Tot Ion: 43 Resp: 13371

Ion Ratio Lower Upper

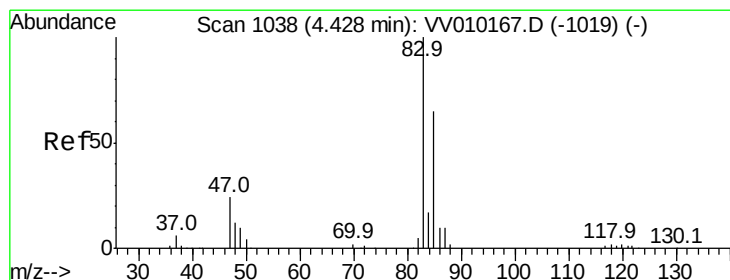
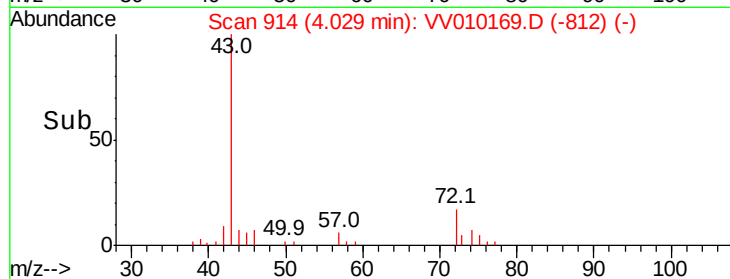
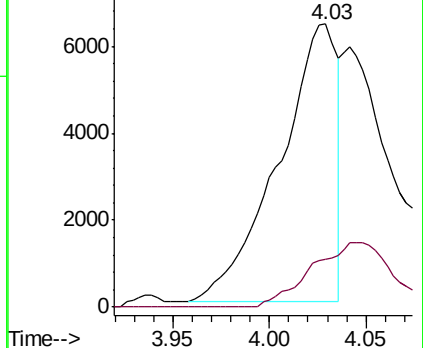
43 100

72 31.4 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV010169.D (-912) (-)

Ion 72.00 (71.70 to 72.70): VV010169.D (-912) (-)



#25

Chloroform

Concen: 0.767 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV010169.D

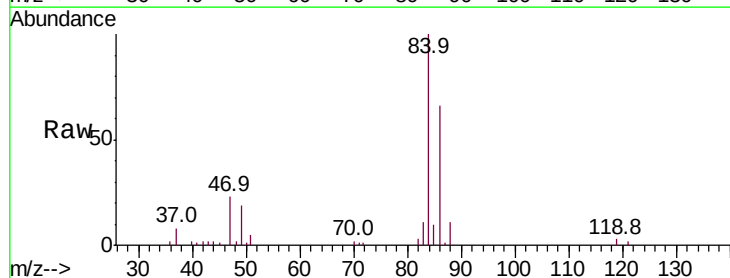
Acq: 08 Apr 2019 12:17

Tgt Ion: 83 Resp: 4190

Ion Ratio Lower Upper

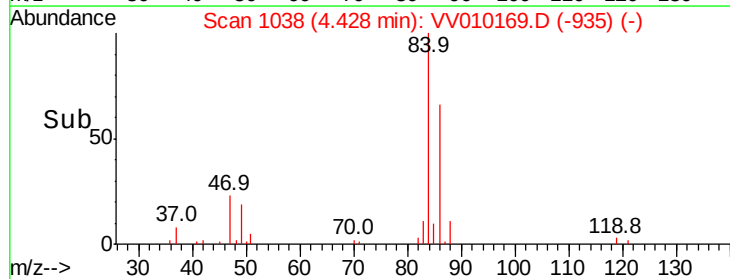
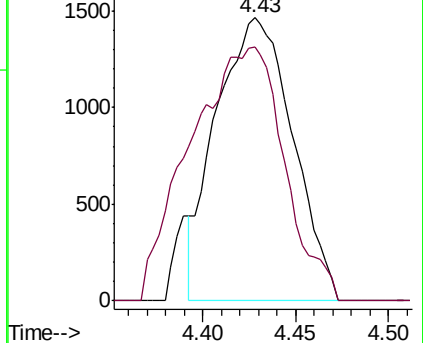
83 100

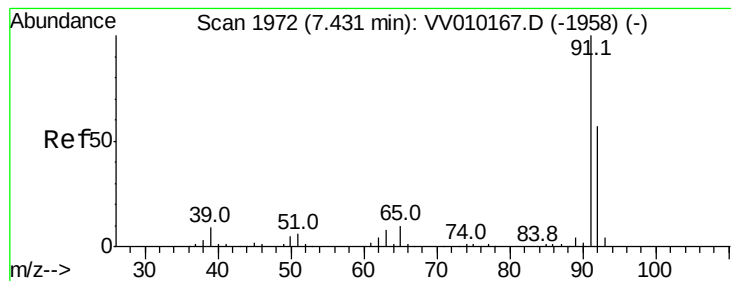
85 64.4 46.4 86.2



Abundance Ion 83.00 (82.70 to 83.70): VV010169.D (-935) (-)

Ion 85.00 (84.70 to 85.70): VV010169.D (-935) (-)





#44

Toluene

Concen: 0.808 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010169.D

Acq: 08 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

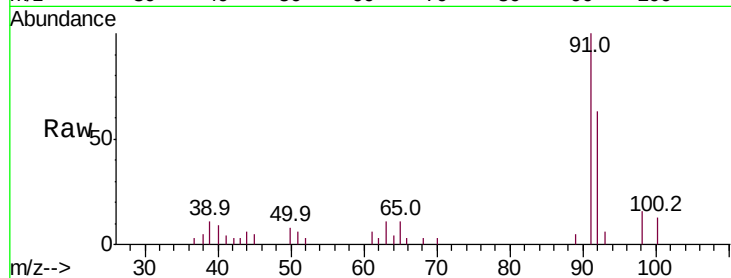
BFC34

Tot Ion: 91 Resp: 7344

Ion Ratio Lower Upper

91 100

92 63.4 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010167.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010169.D (-1869) (-)

7.43

4000

3000

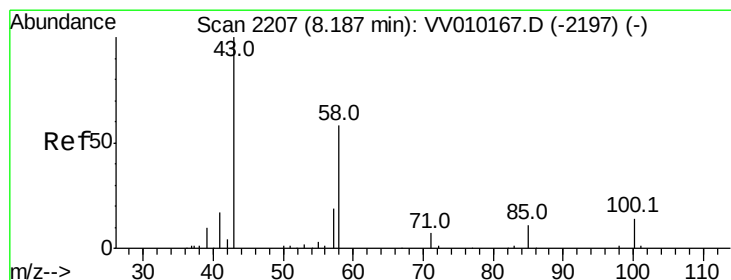
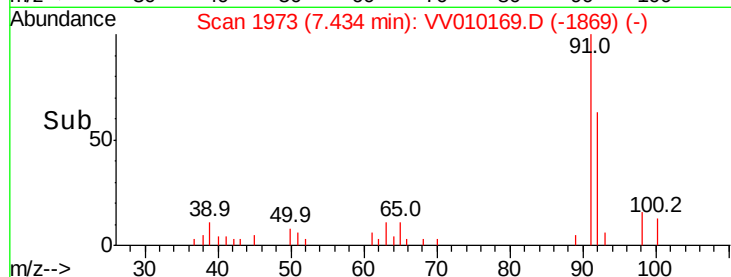
2000

1000

0

Time-->

7.40 7.45 7.50



#49

2-Hexanone

Concen: 13.053 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VV010169.D

Acq: 08 Apr 2019 12:17

Tgt Ion: 43 Resp: 14109

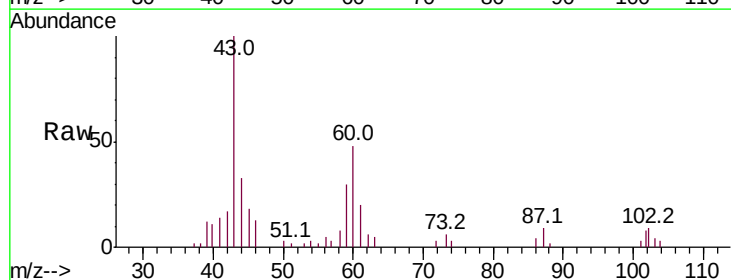
Ion Ratio Lower Upper

43 100

58 6.0 44.3 66.5#

57 0.0 13.8 20.8#

100 0.5 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VV010167.D (-2197) (-)

Ion 58.00 (57.70 to 58.70): VV010169.D (-2104) (-)

Ion 57.00 (56.70 to 57.70): VV010169.D (-2104) (-)

Ion 100.00 (99.70 to 100.70): VV010169.D (-2104) (-)

8000

6000

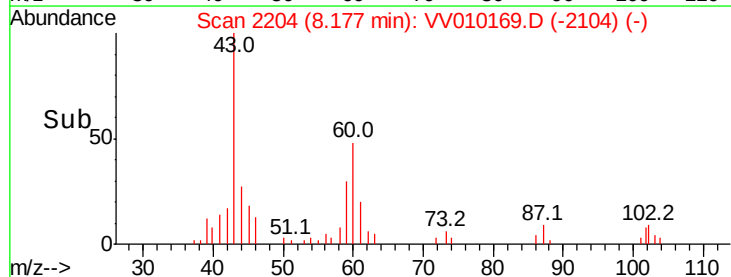
4000

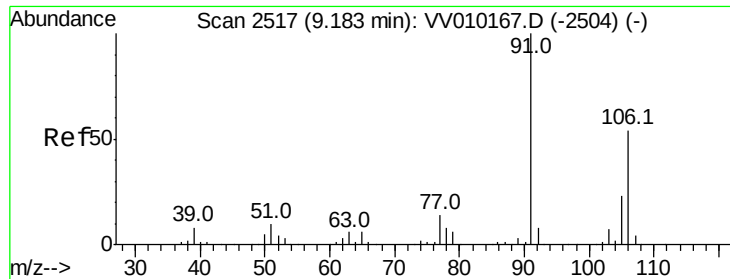
2000

0

Time-->

8.05 8.10 8.15 8.20 8.25





#54

m,p-Xylene

Concen: 1.297 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010169.D

Acq: 08 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

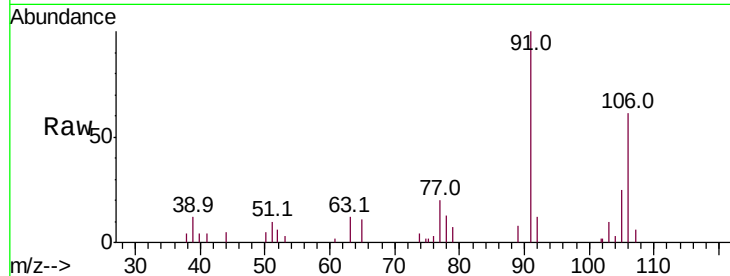
BFC34

Tot Ion:106 Resp: 5030

Ion Ratio Lower Upper

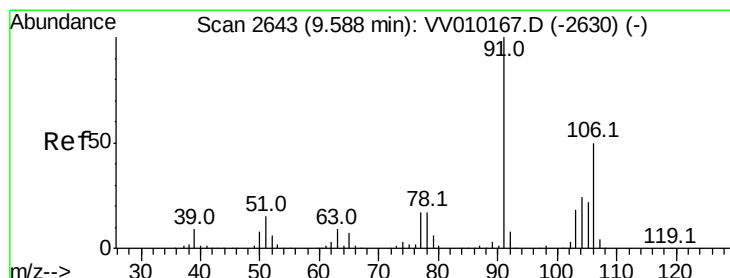
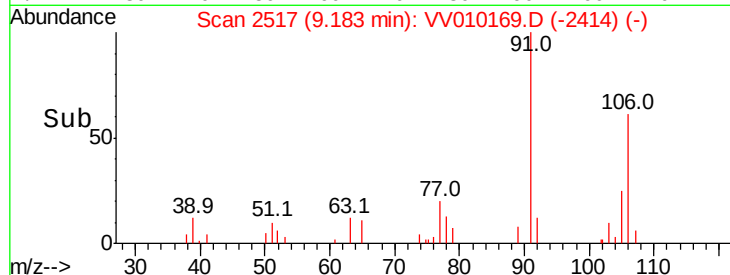
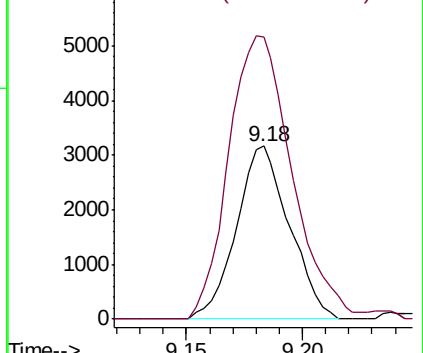
106 100

91 162.9 139.3 258.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 0.812 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV010169.D

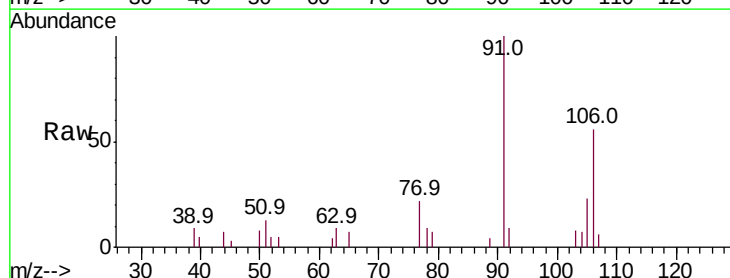
Acq: 08 Apr 2019 12:17

Tgt Ion:106 Resp: 3052

Ion Ratio Lower Upper

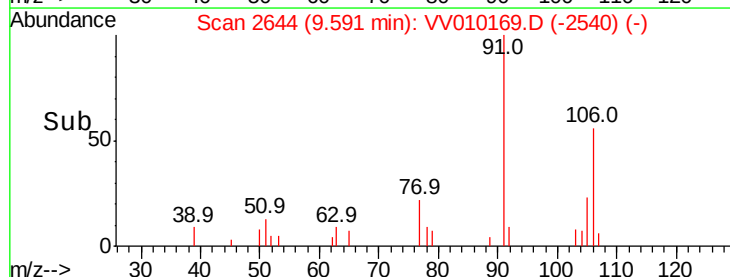
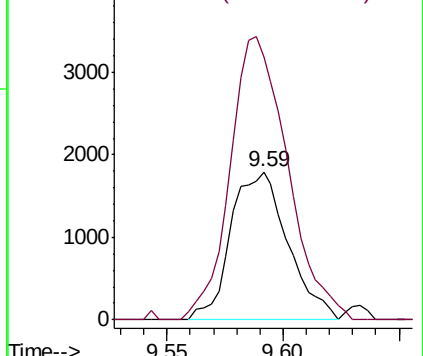
106 100

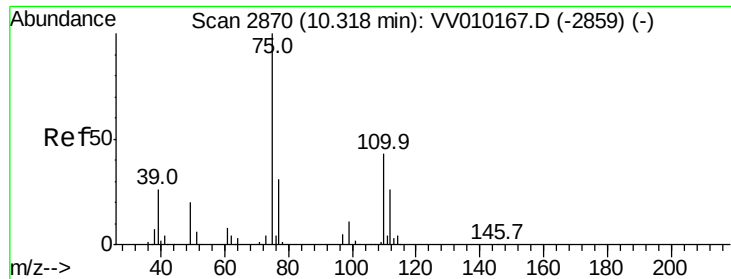
91 177.9 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#59

1,2,3-Trichloropropane

Concen: 3.029 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV010169.D

Acq: 08 Apr 2019 12:17

Instrument :

MSVOA_V

ClientSampled :

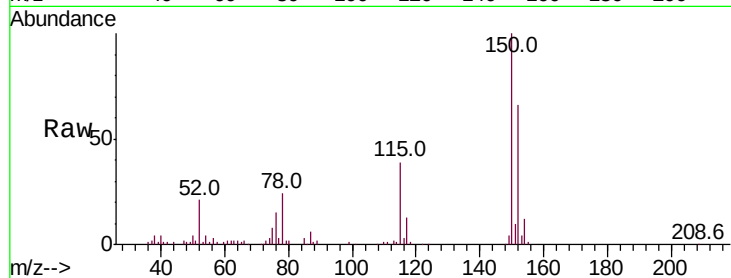
BFC34

Tot Ion: 75 Resp: 5059

Ion Ratio Lower Upper

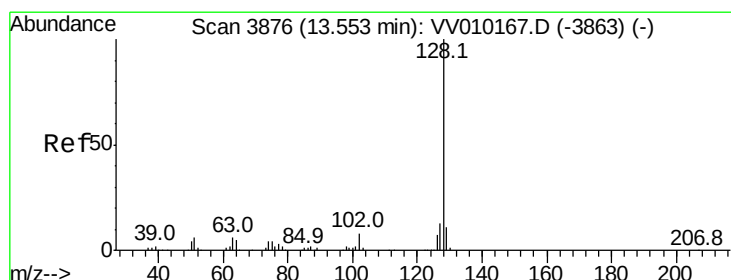
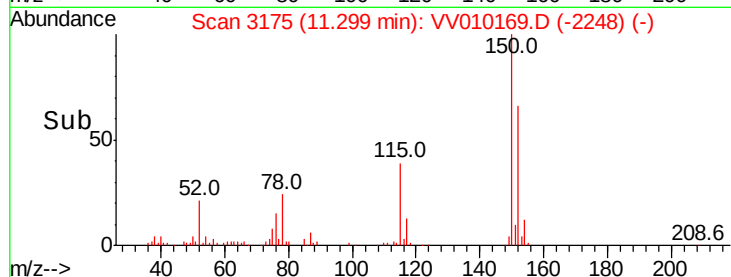
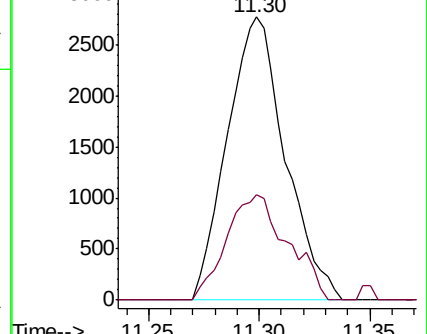
75 100

77 39.1 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#69

Naphthalene

Concen: 0.583 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV010169.D

Acq: 08 Apr 2019 12:17

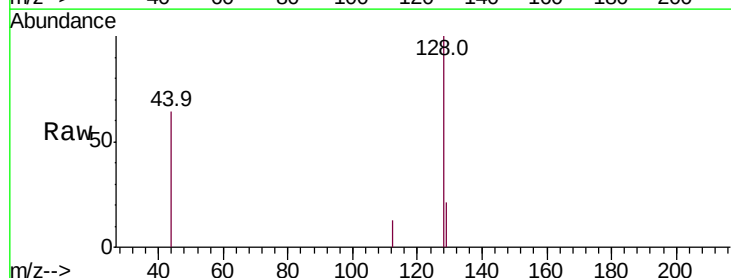
Tgt Ion: 128 Resp: 1268

Ion Ratio Lower Upper

128 100

129 10.3 9.0 13.4

127 0.0 11.0 16.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

