

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010184.D
 Acq On : 08 Apr 2019 18:53
 Operator : SY/MD
 Sample : K2259-05
 Misc : 4.61G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETJ44

Quant Time: Apr 09 05:35:55 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	5.67	114	184764	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	114403	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	20824	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53197	21.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.04%
7) Chloroethane-d5	1.57	69	74096	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.48%
10) 1,1-Dichloroethene-d2	2.13	63	106296	17.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.16%
20) 2-Butanone-d5	4.20	46	180	0.26	ug/L	0.25
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.52%#
24) Chloroform-d	4.40	84	123097	26.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.08	65	75392	28.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.80%
29) Benzene-d6	5.10	84	231447	39.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	156.04%#
33) 1,2-Dichloropropane-d6	6.12	67	80233	45.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	183.28%#
37) Toluene-d8	7.36	98	173285	30.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	121.28%
38) trans-1,3-Dichloropropene-	7.67	79	19162	25.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.40%
39) 2-Hexanone-d5	8.13	63	29537	84.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	168.22%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62935	36.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	145.80%#
61) 1,2-Dichlorobenzene-d4	11.68	152	24167	29.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	119.16%

Target Compounds

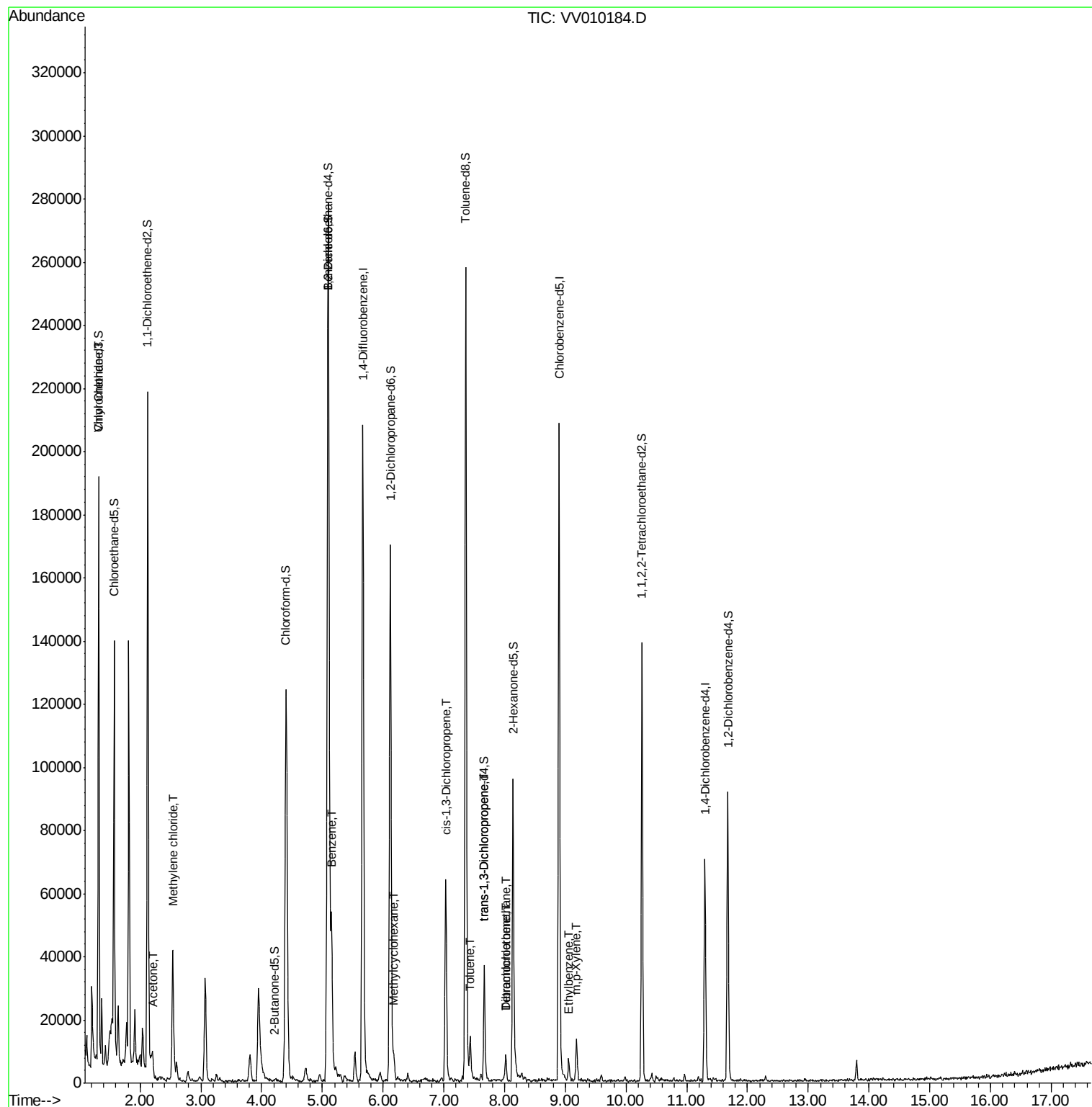
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	1661	0.697	ug/L	85
13) Acetone	2.20	43	4920	7.070	ug/L	93
16) Methylene chloride	2.53	84	16151	4.975	ug/L	97
34) Benzene	5.15	78	46328	8.281	ug/L	100
36) Methylcyclohexane	6.17	83	2400	0.995	ug/L #	76
42) cis-1,3-Dichloropropene	7.03	75	1449	0.708	ug/L #	37
44) Toluene	7.43	91	9339	1.487	ug/L	96
45) trans-1,3-Dichloropropene	7.66	75	966	0.555	ug/L	91
47) Tetrachloroethene	8.02	164	1660	1.232	ug/L	91
50) Dibromochloromethane	8.02	129	1480	1.053	ug/L #	12
53) Ethylbenzene	9.05	91	4819	0.700	ug/L	95
54) m,p-Xylene	9.18	106	4130	1.541	ug/L	95

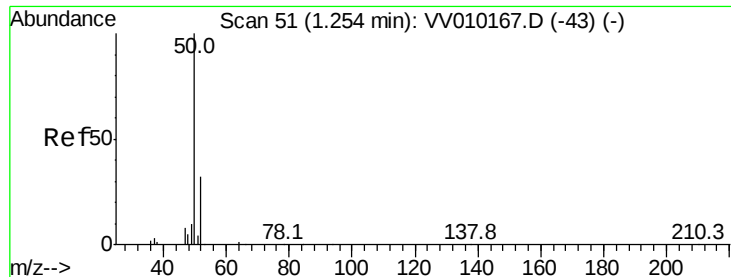
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040819\
Data File : VV010184.D
Acq On : 08 Apr 2019 18:53
Operator : SY/MD
Sample : K2259-05
Misc : 4.61G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETJ44

Quant Time: Apr 09 05:35:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 09 05:31:28 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.697 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.06 min

Lab File: VV010184.D

Acq: 08 Apr 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

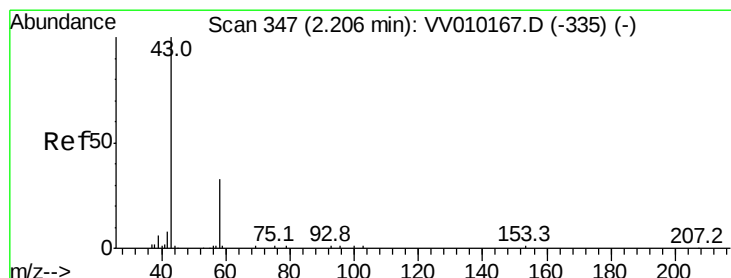
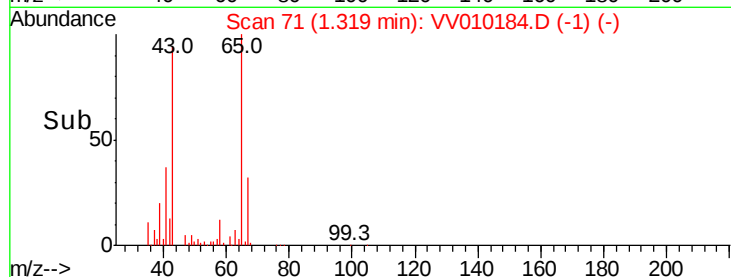
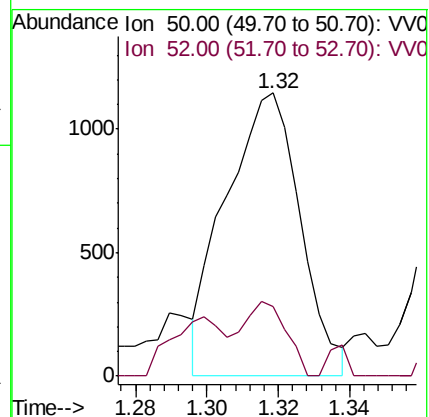
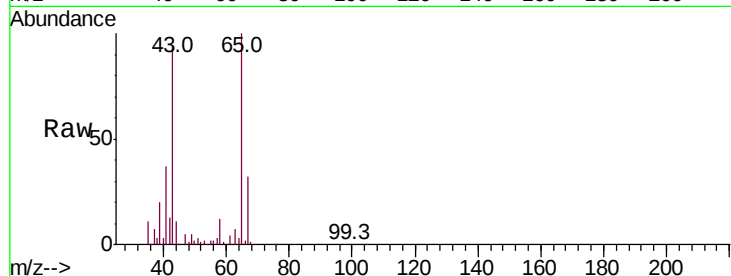
ETJ44

Tot Ion: 50 Resp: 1661

Ion Ratio Lower Upper

50 100

52 24.7 23.4 43.4



#13

Acetone

Concen: 7.070 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.00 min

Lab File: VV010184.D

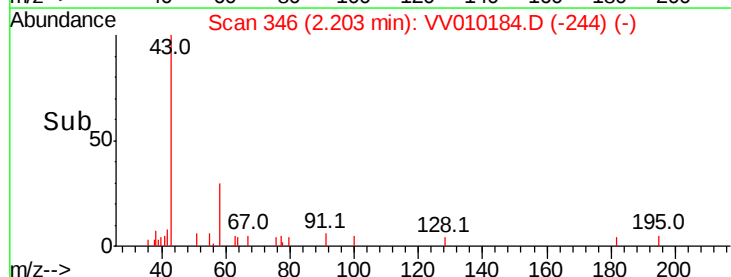
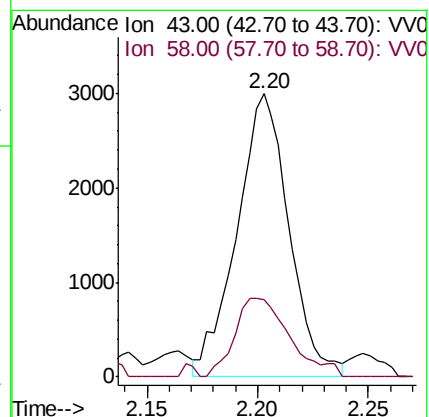
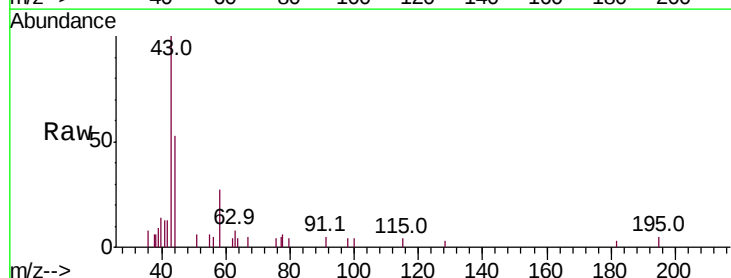
Acq: 08 Apr 2019 18:53

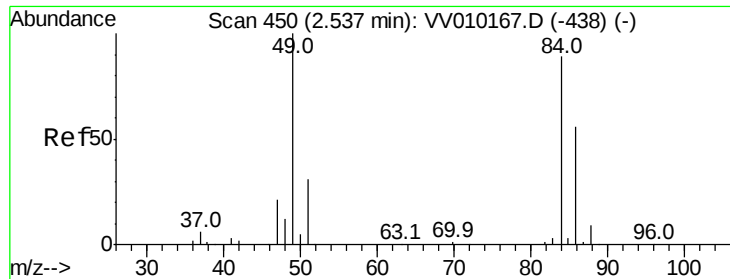
Tgt Ion: 43 Resp: 4920

Ion Ratio Lower Upper

43 100

58 28.1 0.0 64.6

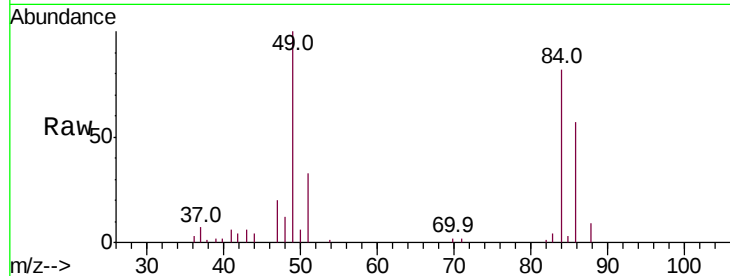




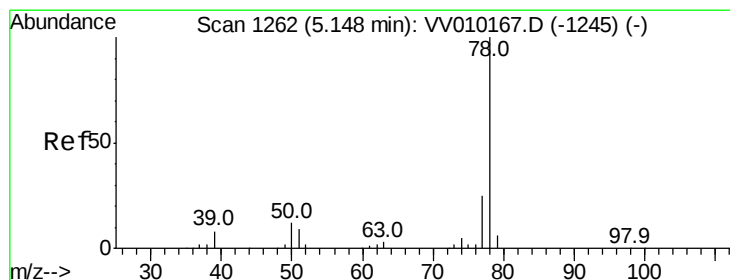
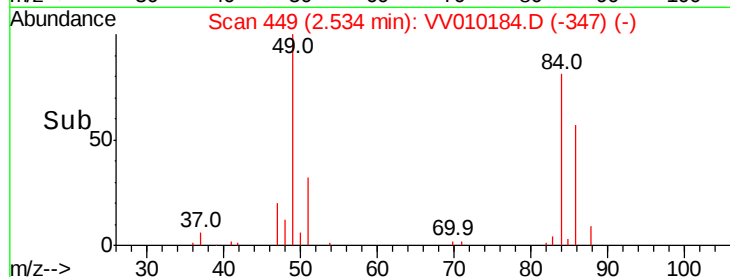
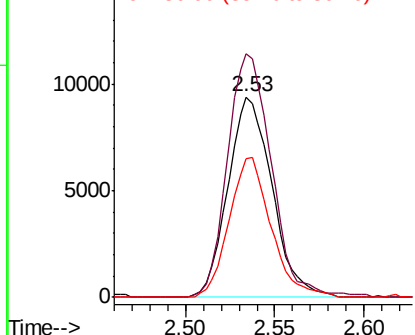
#16
Methvlene chloride
Concen: 4.975 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010184.D
Acq: 08 Apr 2019 18:53

Instrument :
MSVOA_V
ClientSampleId :
ETJ44

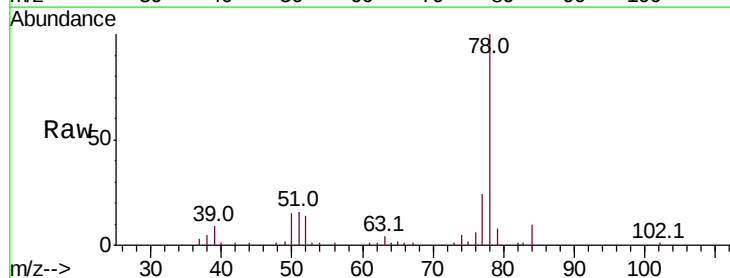
Tot Ion: 84 Resp: 16151
Ion Ratio Lower Upper
84 100
49 121.7 84.3 156.5
86 69.5 45.4 84.2



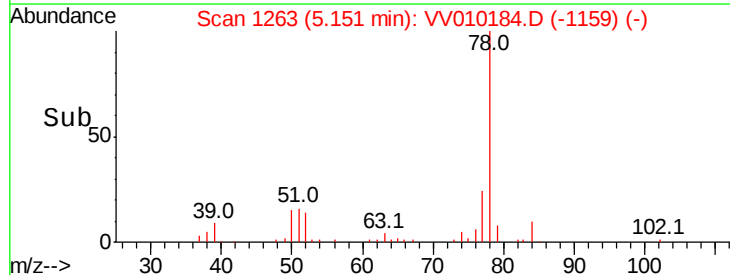
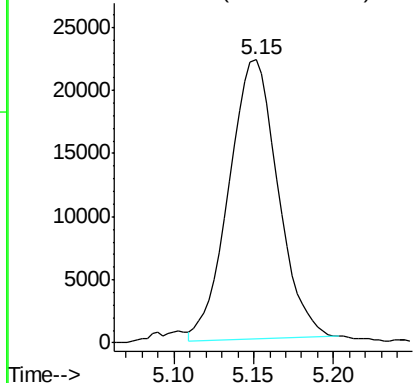
Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

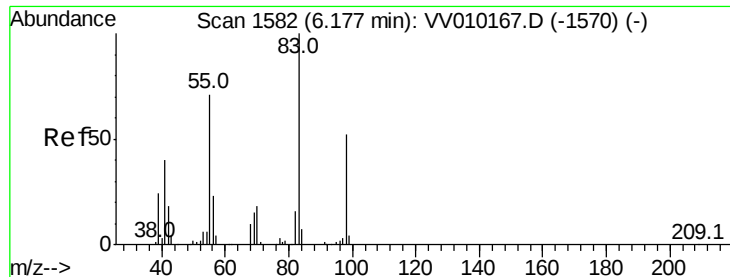


#34
Benzene
Concen: 8.281 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV010184.D
Acq: 08 Apr 2019 18:53
Tgt Ion: 78 Resp: 46328



Abundance Ion 78.00 (77.70 to 78.70): VV0

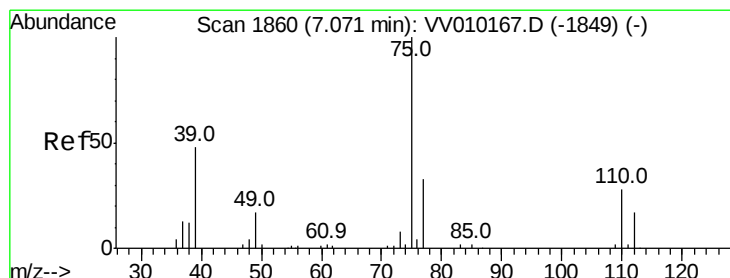
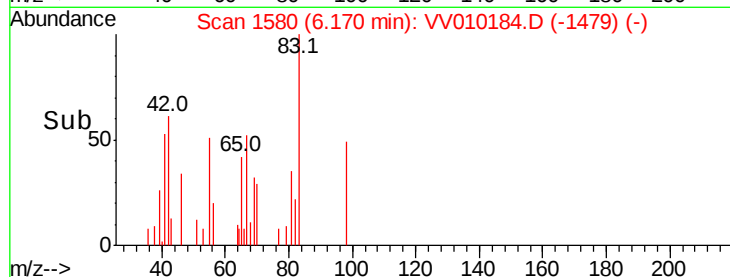
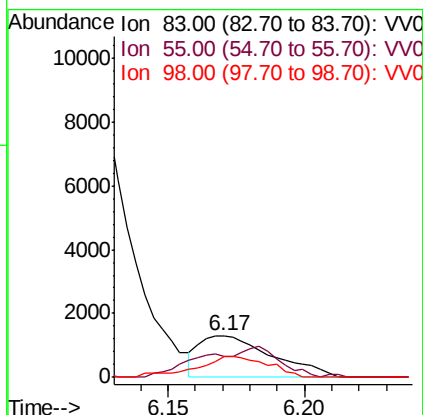
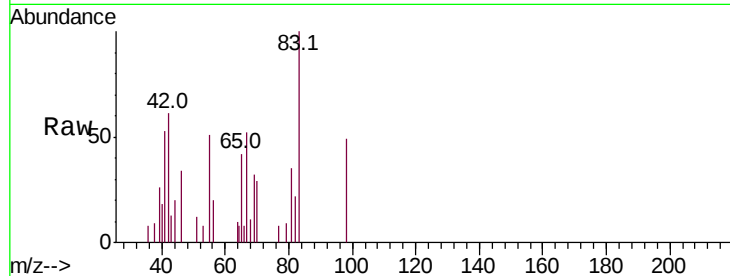




#36
Methvlcvclohexane
Concen: 0.995 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VV010184.D
Acq: 08 Apr 2019 18:53

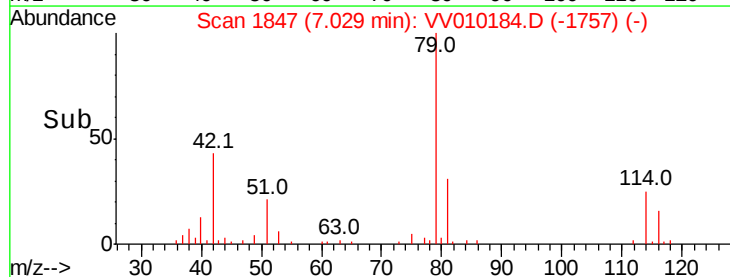
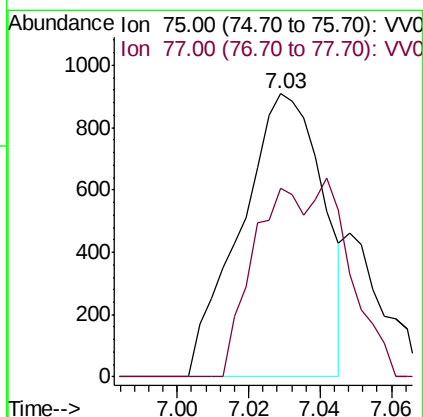
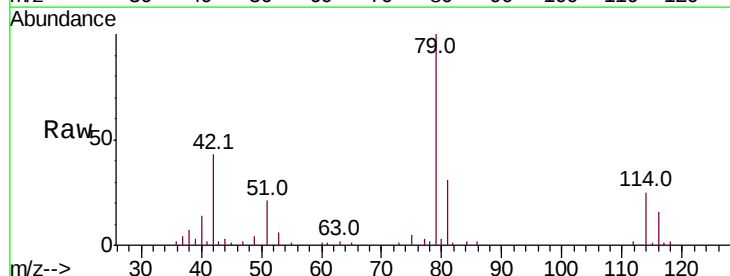
Instrument :
MSVOA_V
ClientSampled :
ETJ44

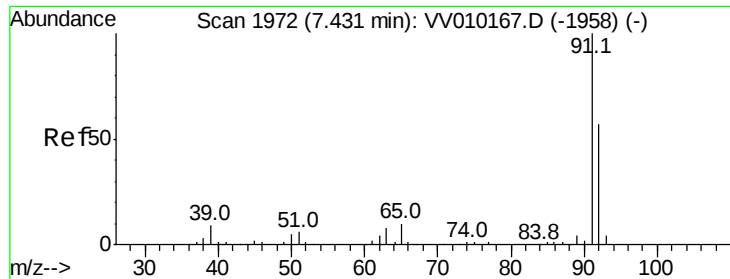
Tot Ion: 83 Resp: 2400
Ion Ratio Lower Upper
83 100
55 39.0 56.3 84.5#
98 46.9 39.0 58.6



#42
cis-1,3-Dichloropropene
Concen: 0.708 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV010184.D
Acq: 08 Apr 2019 18:53

Tgt Ion: 75 Resp: 1449
Ion Ratio Lower Upper
75 100
77 66.6 22.1 41.1#





#44

Toluene

Concen: 1.487 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010184.D

Acq: 08 Apr 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

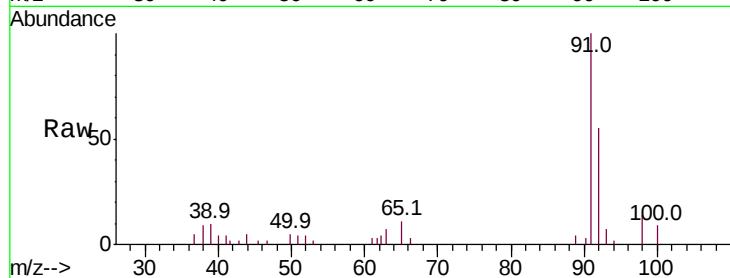
ETJ44

Tot Ion: 91 Resp: 9339

Ion Ratio Lower Upper

91 100

92 55.5 41.0 76.2



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

Ion 92.00 (91.70 to 92.70): VV010167.D (-1958) (-)

6000

5000

4000

3000

2000

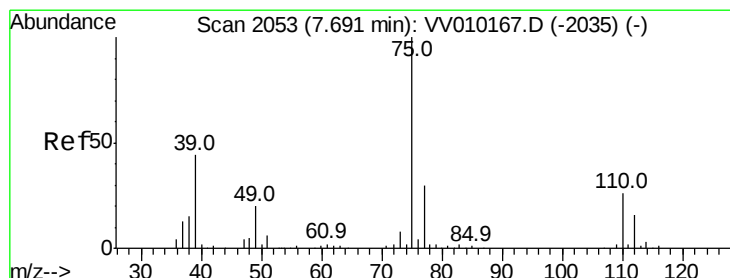
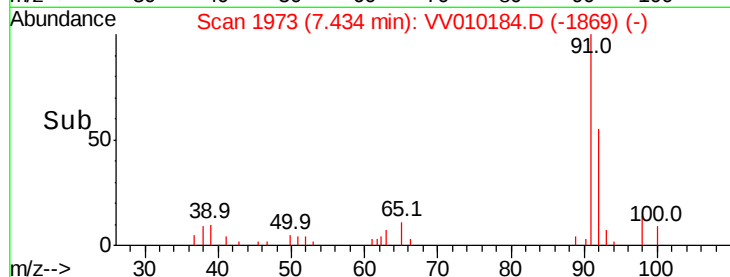
1000

0

7.43

7.40 7.45 7.50

Time-->



#45

trans-1,3-Dichloropropene

Concen: 0.555 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV010184.D

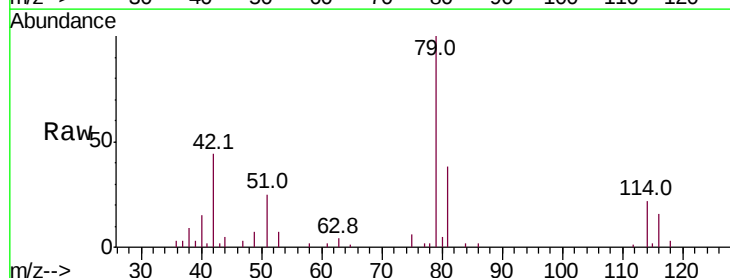
Acq: 08 Apr 2019 18:53

Tgt Ion: 75 Resp: 966

Ion Ratio Lower Upper

75 100

77 28.7 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV010167.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV010167.D (-2035) (-)

600

500

400

300

200

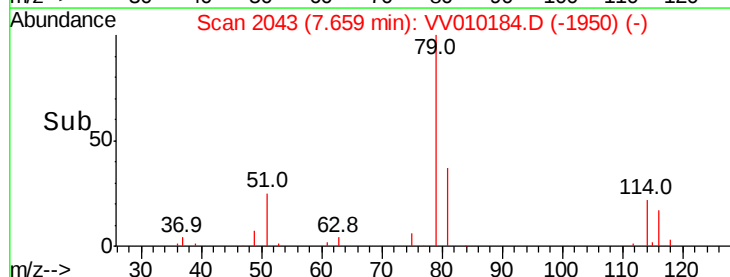
100

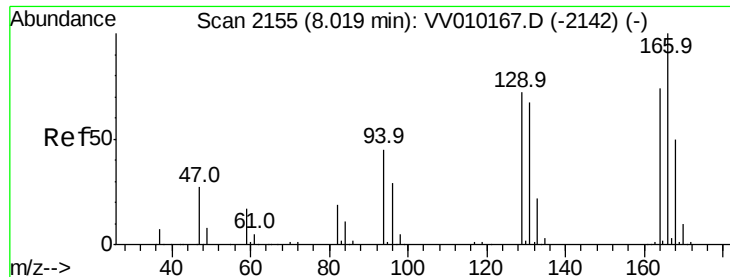
0

7.66

7.62 7.64 7.66 7.68 7.70

Time-->





#47

Tetrachloroethene

Concen: 1.232 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV010184.D

Acq: 08 Apr 2019 18:53

Instrument :

MSVOA_V

ClientSampleId :

ETJ44

Tot Ion:164 Resp: 1660

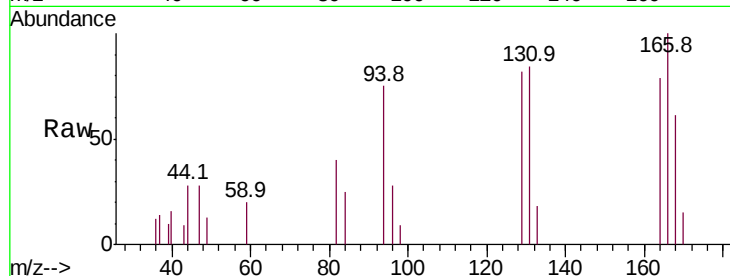
Ion Ratio Lower Upper

164 100

129 104.7 67.8 125.8

131 107.2 65.2 121.0

166 127.3 93.8 174.2

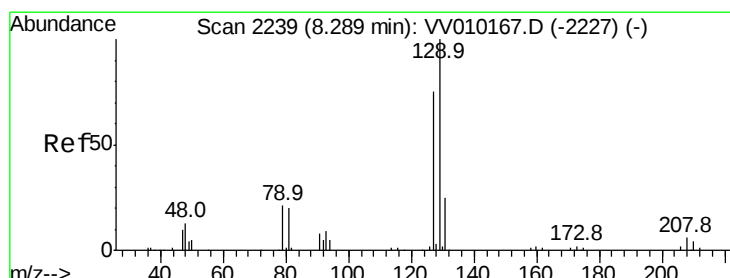
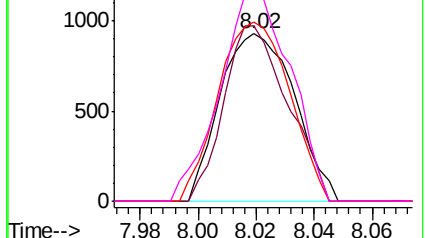
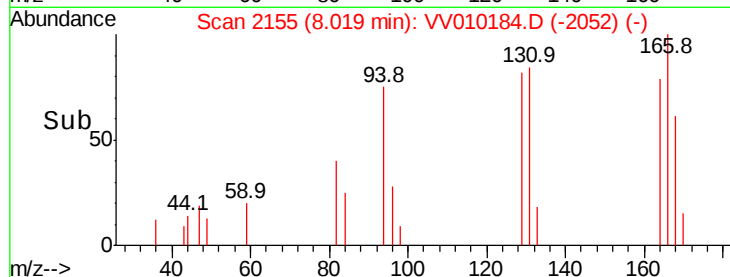


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 1.053 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV010184.D

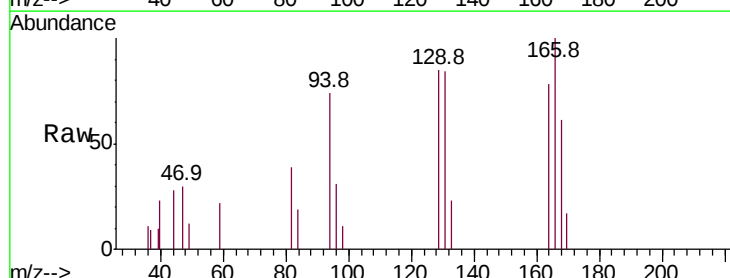
Acq: 08 Apr 2019 18:53

Tgt Ion:129 Resp: 1480

Ion Ratio Lower Upper

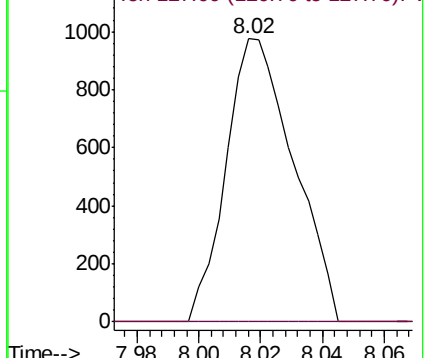
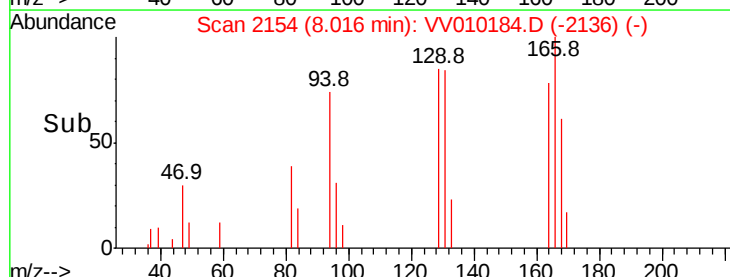
129 100

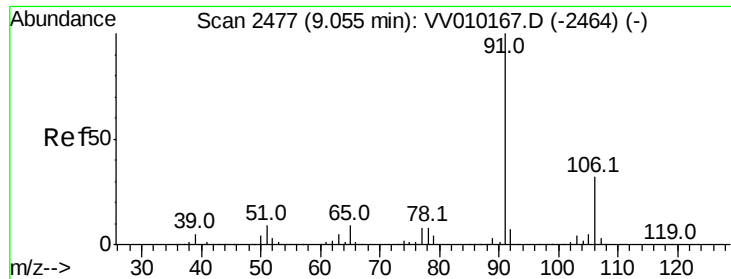
127 0.0 52.1 96.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

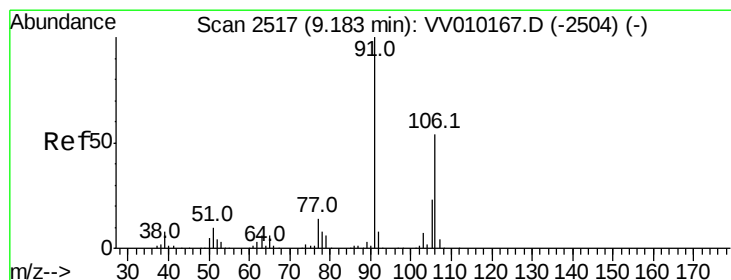
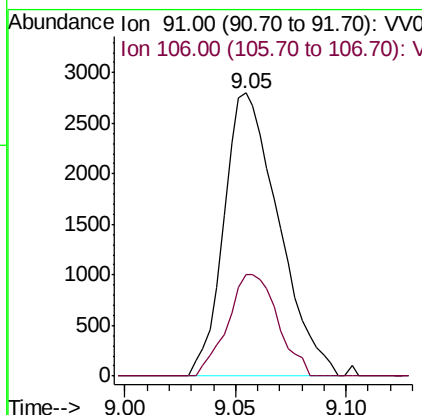
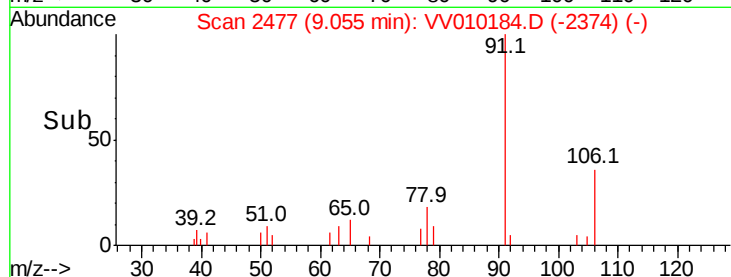
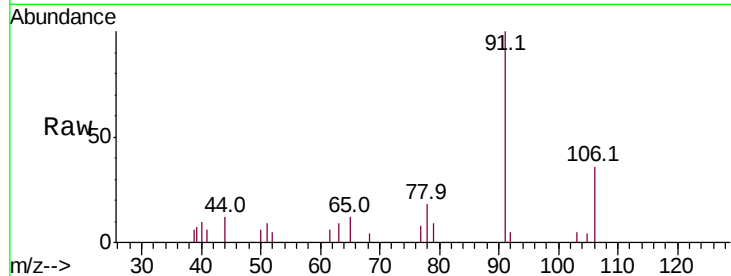




#53
Ethylbenzene
Concen: 0.700 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV010184.D
Acq: 08 Apr 2019 18:53

Instrument :
MSVOA_V
ClientSampled :
ETJ44

Tot Ion: 91 Resp: 4819
Ion Ratio Lower Upper
91 100
106 35.9 23.1 42.9



#54
m,p-Xylene
Concen: 1.541 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010184.D
Acq: 08 Apr 2019 18:53

Tgt Ion: 106 Resp: 4130
Ion Ratio Lower Upper
106 100
91 192.2 139.3 258.7

