

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121018\
 Data File : VW007354.D
 Acq On : 10 Dec 2018 13:43
 Operator : SY/AP
 Sample : J6238-05
 Misc : 6.35G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 11 01:20:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 11 01:18:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	137986	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	102889	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	36923	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	27166	30.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	120.92%
7) Chloroethane-d5	2.90	69	20533	26.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.92%
10) 1,1-Dichloroethene-d2	4.01	63	65837	21.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.96%
20) 2-Butanone-d5	7.08	46	24467	43.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.38%
24) Chloroform-d	7.65	84	87005	26.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.92%
26) 1,2-Dichloroethane-d4	8.31	65	51016	27.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.16%
29) Benzene-d6	8.27	84	174349	31.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	124.80%
33) 1,2-Dichloropropane-d6	9.27	67	48981	30.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.84%#
37) Toluene-d8	10.32	98	162046	30.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	123.72%
38) trans-1,3-Dichloropropene-	10.58	79	21540	26.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.68%
39) 2-Hexanone-d5	10.93	63	18414	47.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	32960	22.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	35383	27.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.96%

Target Compounds

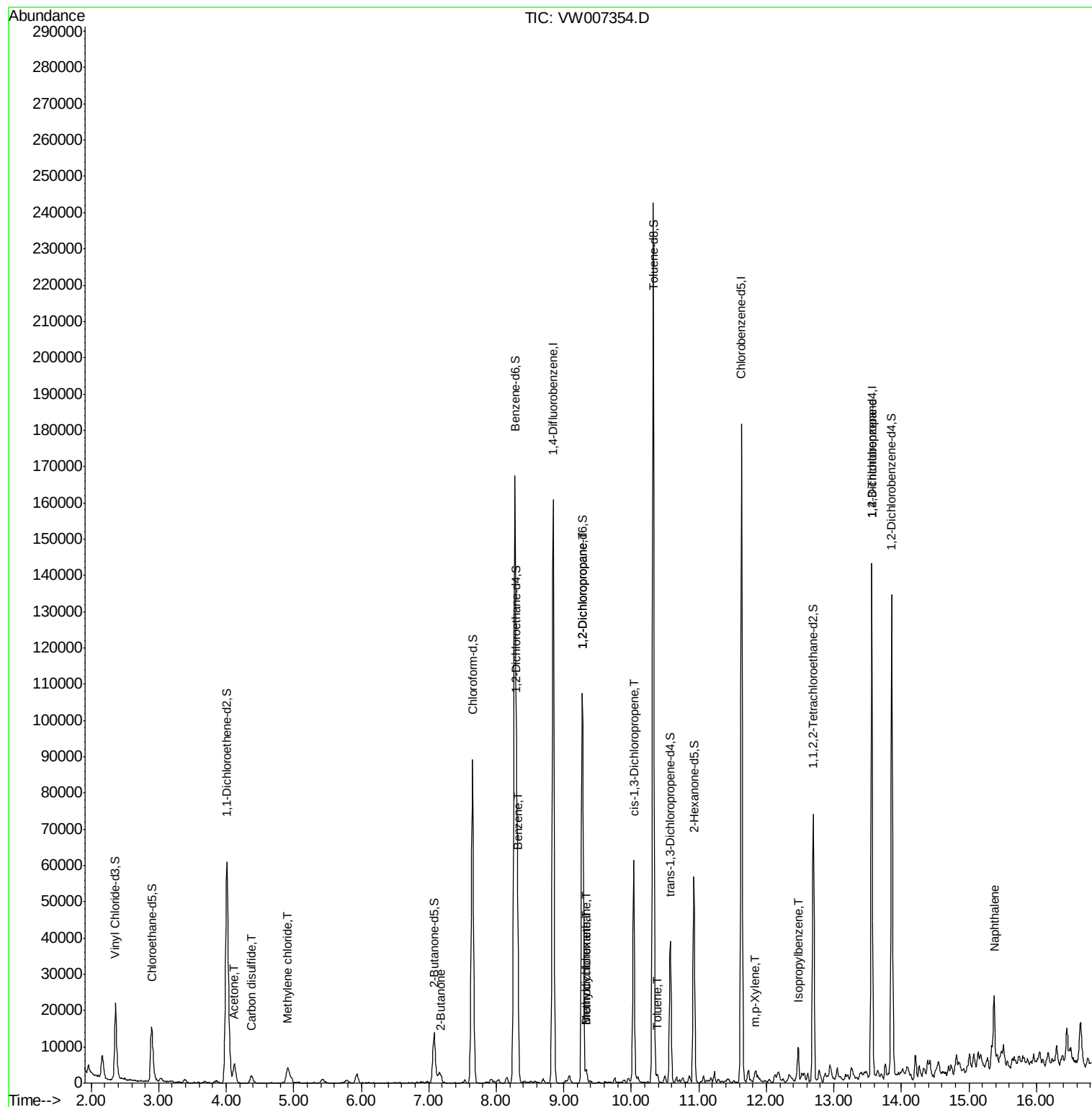
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	8454	12.833	ug/L	99
14) Carbon disulfide	4.38	76	4433	0.937	ug/L	98
16) Methylene chloride	4.91	84	3530	1.583	ug/L	95
21) 2-Butanone	7.18	43	2752	3.887	ug/L	74
34) Benzene	8.32	78	5172	0.877	ug/L	100
36) Methylcyclohexane	9.34	83	1162	0.398	ug/L #	82
40) 1,2-Dichloropropane	9.27	63	5857	4.060	ug/L #	89
41) Bromodichloromethane	9.34	83	990	0.478	ug/L #	25
42) cis-1,3-Dichloropropene	10.04	75	1712	0.707	ug/L #	65
44) Toluene	10.39	91	2111	0.332	ug/L	96
54) m,p-Xylene	11.83	106	961	0.354	ug/L	90
57) Isopropylbenzene	12.47	105	3256	0.455	ug/L #	80
59) 1,2,3-Trichloropropane	13.56	75	3884	3.332	ug/L #	74
69) Naphthalene	15.38	128	18534	5.061	ug/L	99

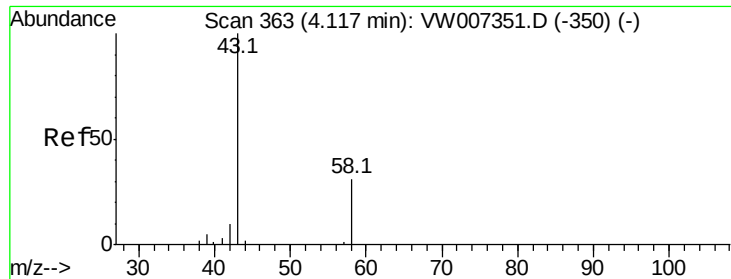
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Dec 11 01:18:15 2018
Response via : Initial Calibration





#13

Acetone

Concen: 12.833 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007354.D

Acq: 10 Dec 2018 13:43

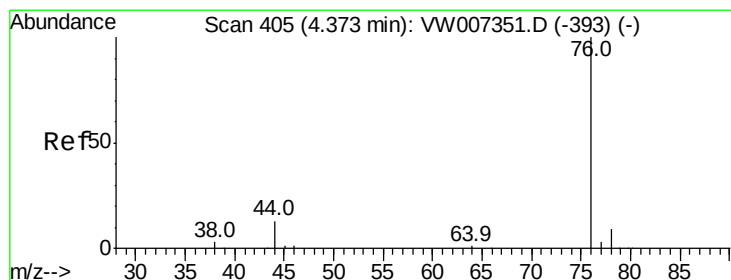
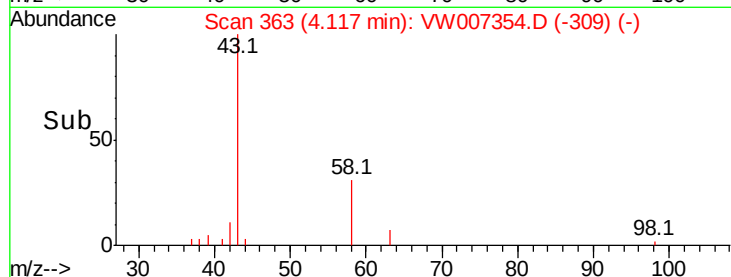
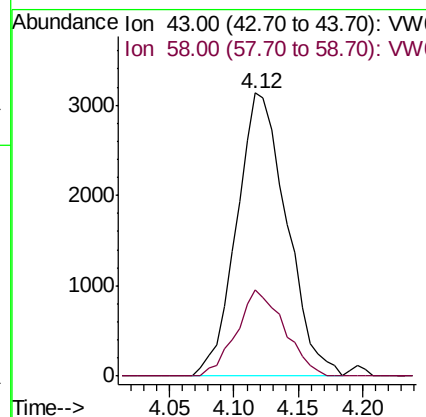
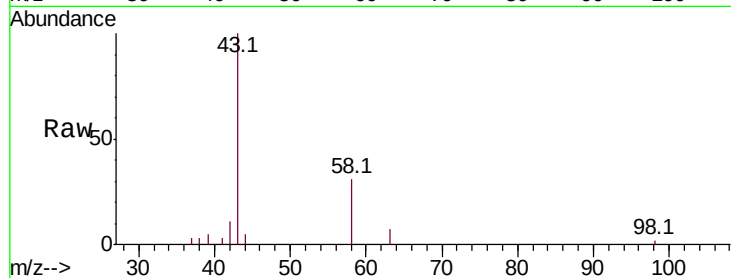
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 8454

Ion Ratio Lower Upper

43 100

58 29.1 0.0 59.2



#14

Carbon disulfide

Concen: 0.937 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW007354.D

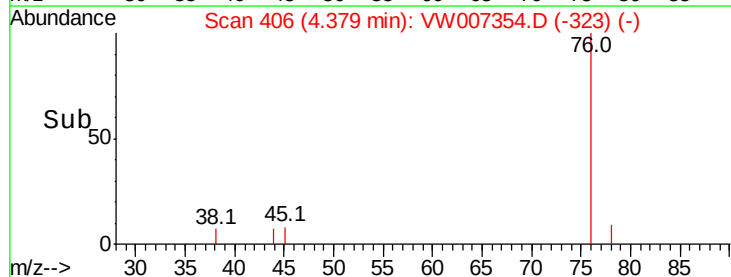
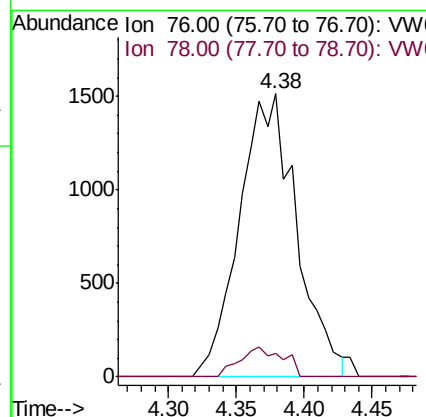
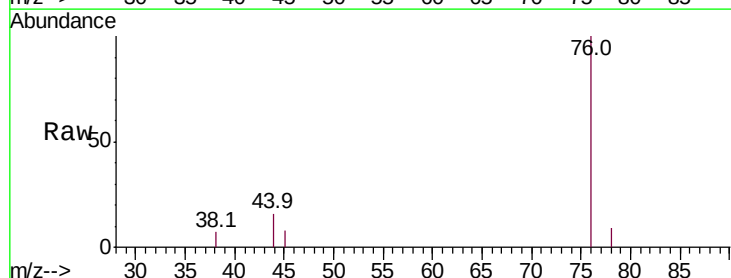
Acq: 10 Dec 2018 13:43

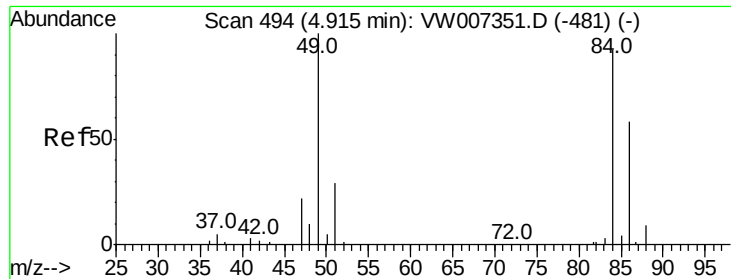
Tgt Ion: 76 Resp: 4433

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9

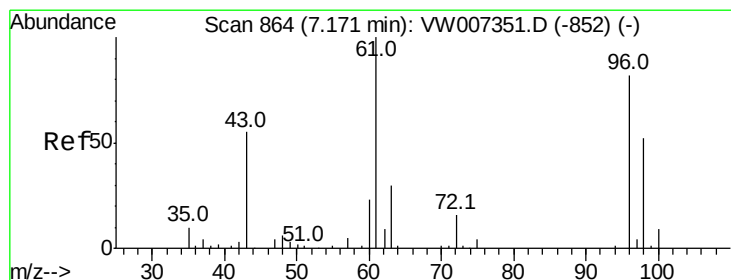
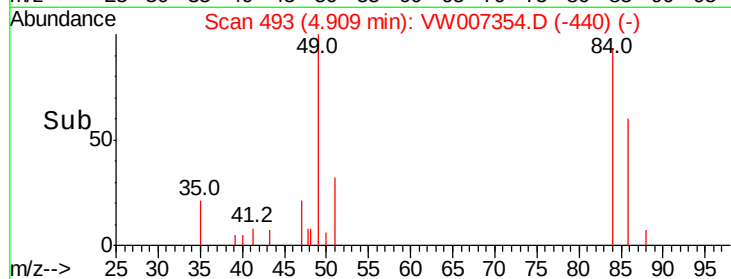
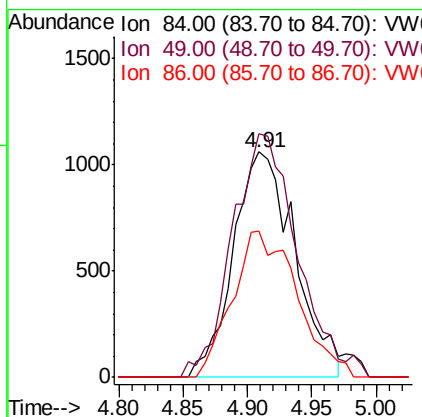
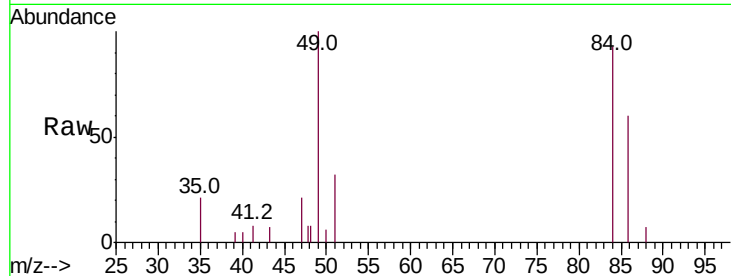




#16
Methylene chloride
Concen: 1.583 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW007354.D
Acq: 10 Dec 2018 13:43

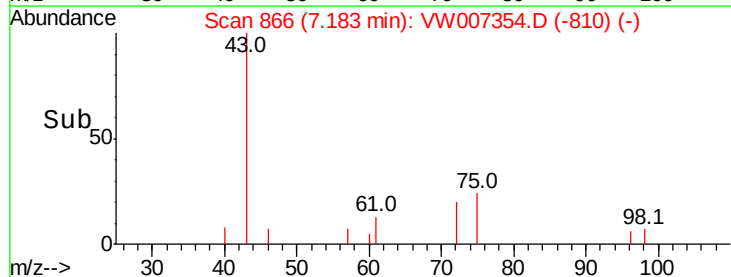
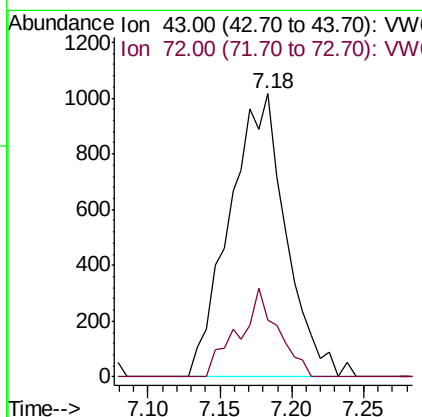
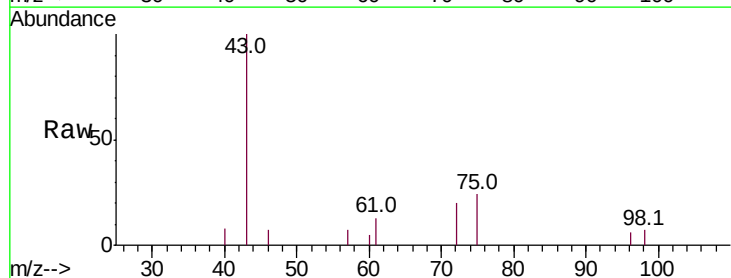
Instrument :
MSVOA_W
ClientSampleId :

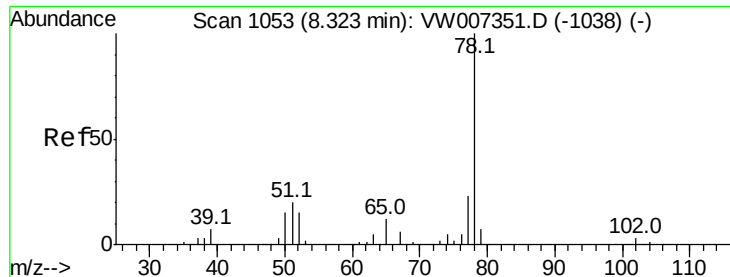
Tot Ion: 84 Resp: 3530
Ion Ratio Lower Upper
84 100
49 107.9 80.8 150.2
86 64.8 45.8 85.2



#21
2-Butanone
Concen: 3.887 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW007354.D
Acq: 10 Dec 2018 13:43

Tgt Ion: 43 Resp: 2752
Ion Ratio Lower Upper
43 100
72 15.2 14.7 44.1





#34

Benzene

Concen: 0.877 ug/L

RT: 8.32 min Scan# 1053

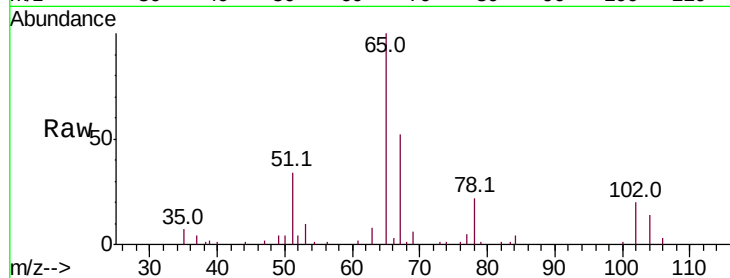
Delta R.T. 0.00 min

Lab File: VW007354.D

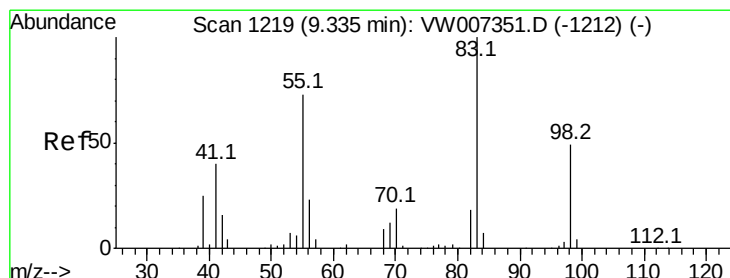
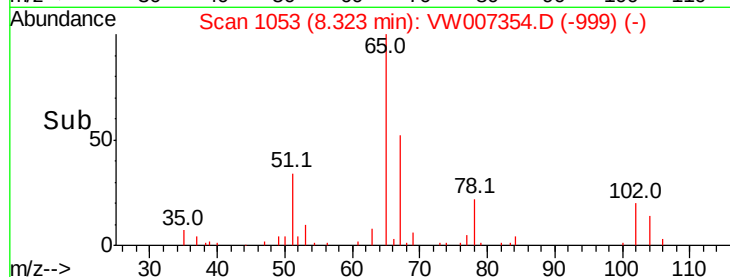
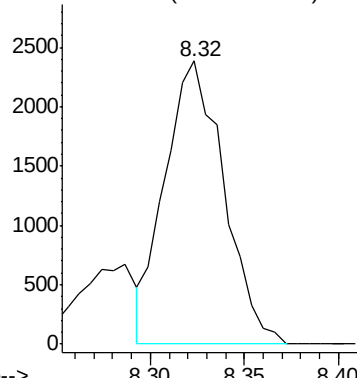
Acq: 10 Dec 2018 13:43

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 78 Resp: 5172



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 0.398 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007354.D

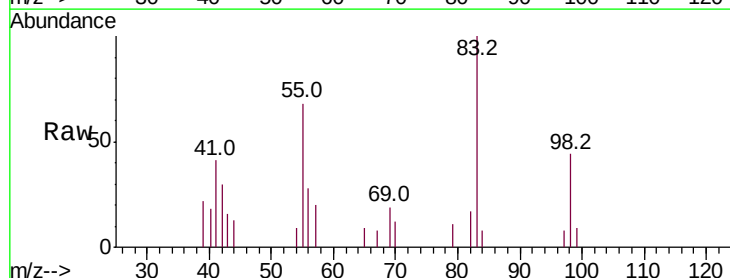
Acq: 10 Dec 2018 13:43

Tgt Ion: 83 Resp: 1162

Ion	Ratio	Lower	Upper
83	100		

55	91.3	59.4	89.2#
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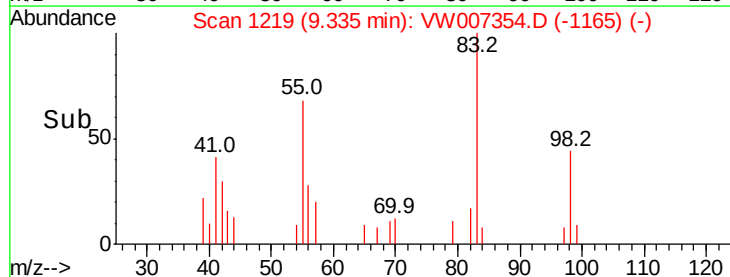
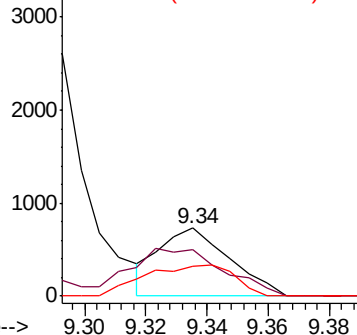
98	58.3	38.1	57.1#
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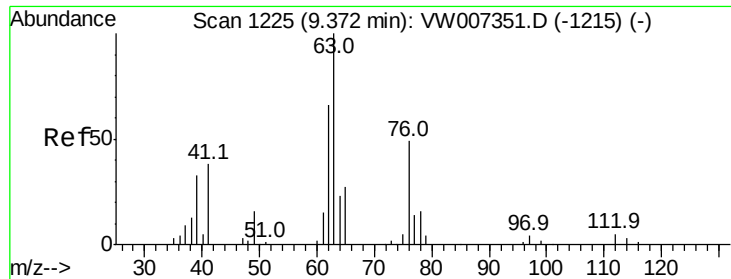


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 4.060 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW007354.D

Acq: 10 Dec 2018 13:43

Instrument :

MSVOA_W

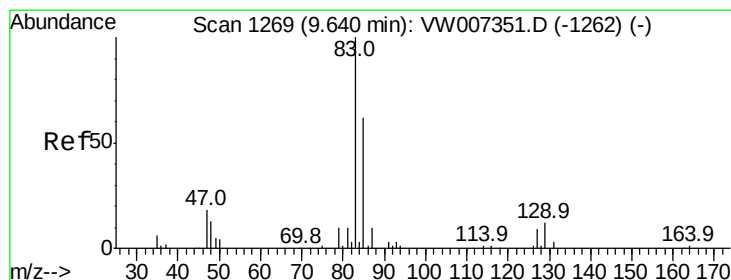
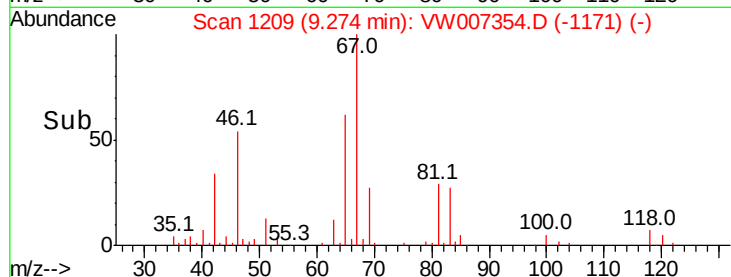
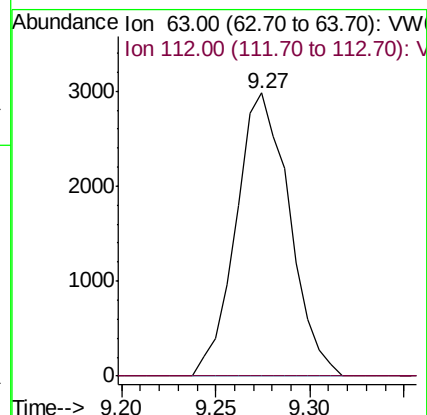
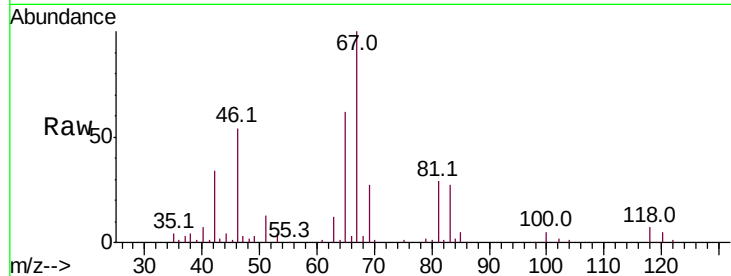
ClientSampled :

Tot Ion: 63 Resp: 5857

Ion Ratio Lower Upper

63 100

112 0.9 3.6 5.4#



#41

Bromodichloromethane

Concen: 0.478 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.30 min

Lab File: VW007354.D

Acq: 10 Dec 2018 13:43

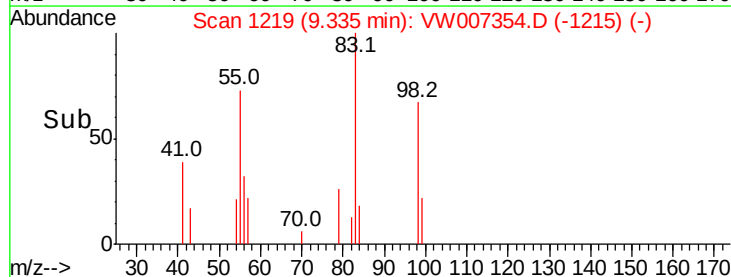
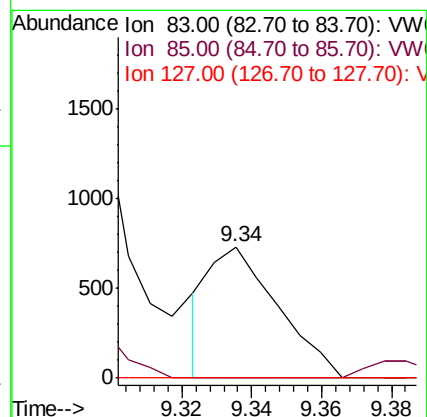
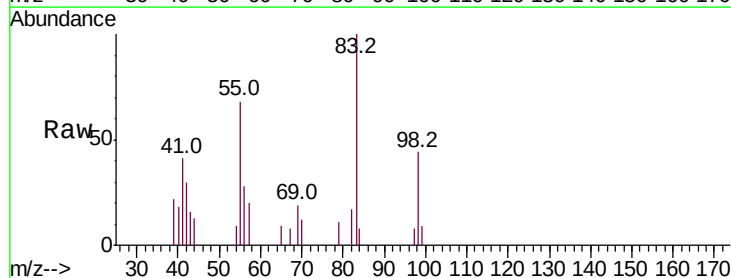
Tgt Ion: 83 Resp: 990

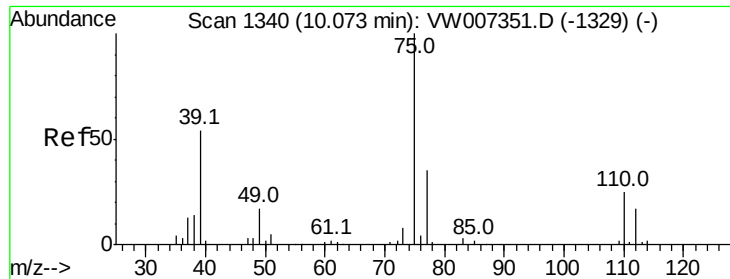
Ion Ratio Lower Upper

83 100

85 0.0 44.9 83.5#

127 0.0 7.4 11.2#





#42

cis-1,3-Dichloropropene

Concen: 0.707 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW007354.D

Acq: 10 Dec 2018 13:43

Instrument :

MSVOA_W

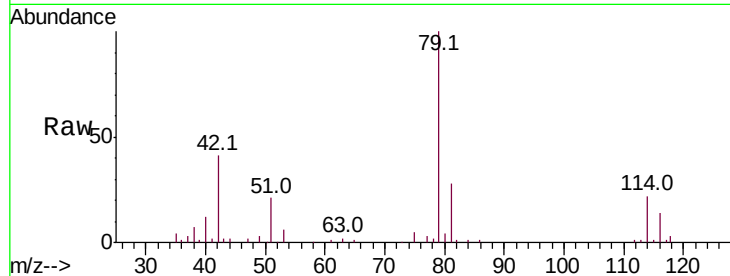
ClientSampled :

Tot Ion: 75 Resp: 1712

Ion Ratio Lower Upper

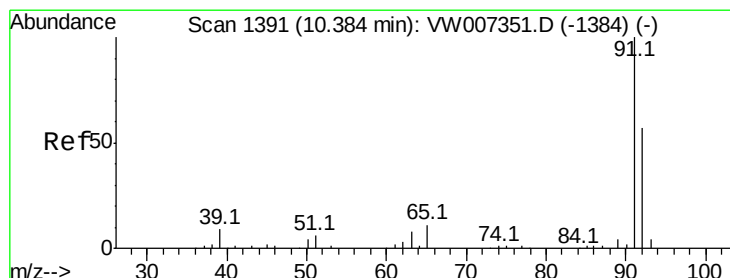
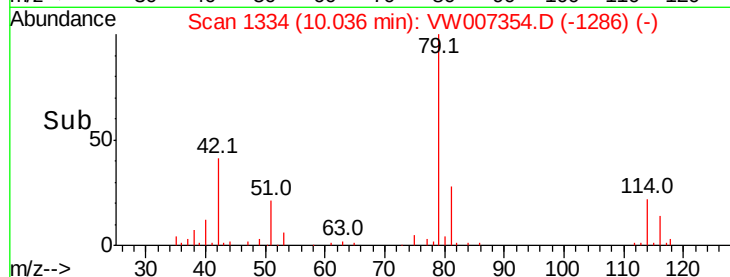
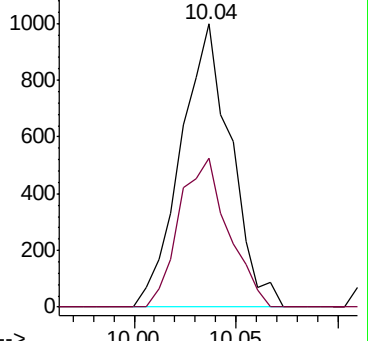
75 100

77 52.7 23.0 42.6#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 0.332 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW007354.D

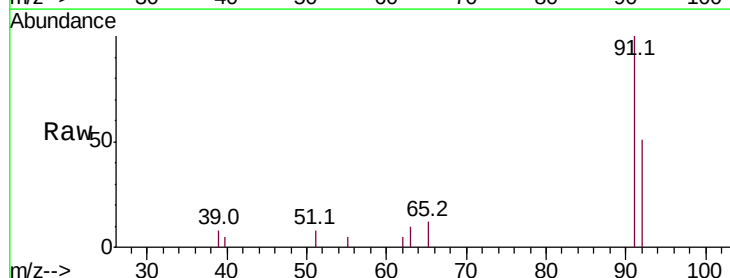
Acq: 10 Dec 2018 13:43

Tgt Ion: 91 Resp: 2111

Ion Ratio Lower Upper

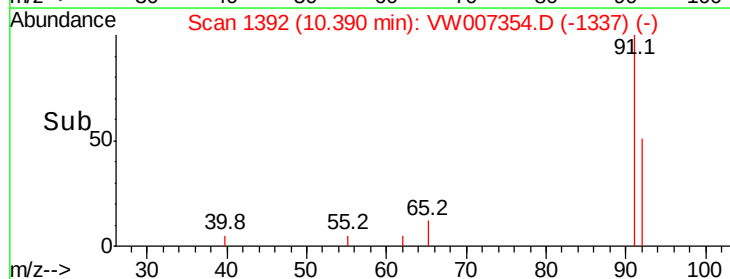
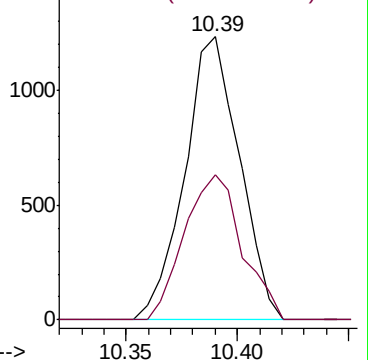
91 100

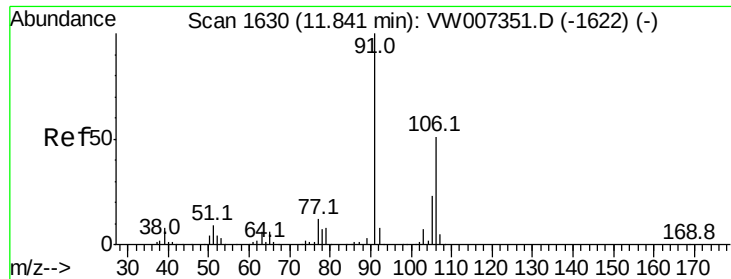
92 51.4 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#54

m,p-Xylene

Concen: 0.354 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW007354.D

Acq: 10 Dec 2018 13:43

Instrument :

MSVOA_W

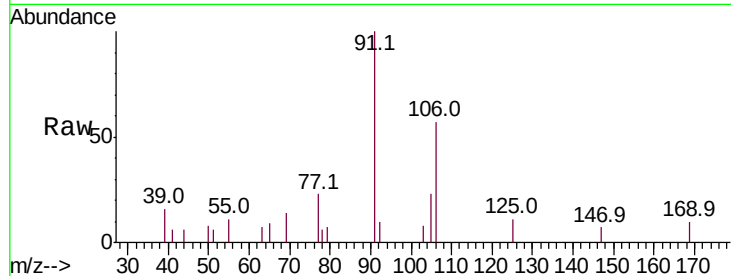
ClientSampled :

Tot Ion:106 Resp: 961

Ion Ratio Lower Upper

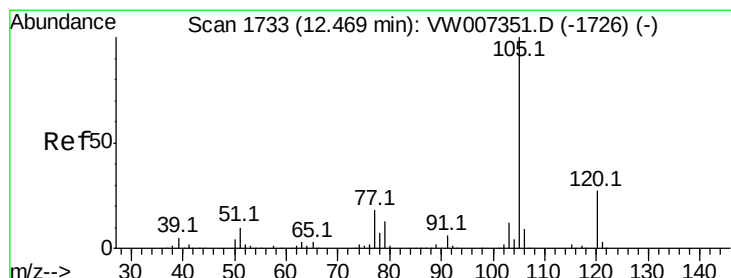
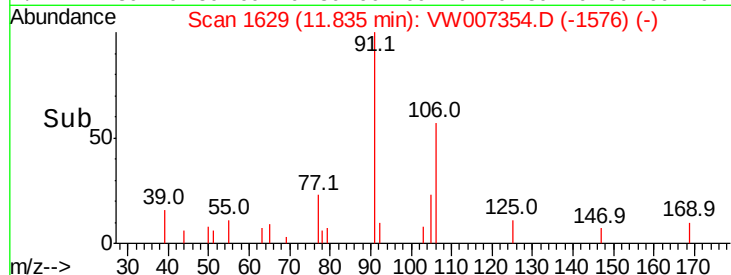
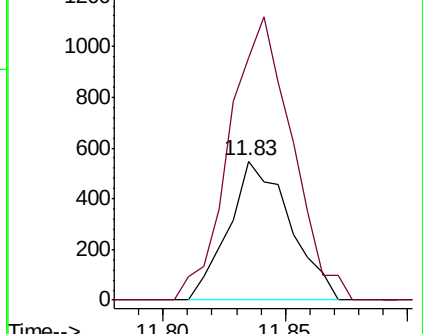
106 100

91 174.1 132.2 245.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#57

Isopropylbenzene

Concen: 0.455 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007354.D

Acq: 10 Dec 2018 13:43

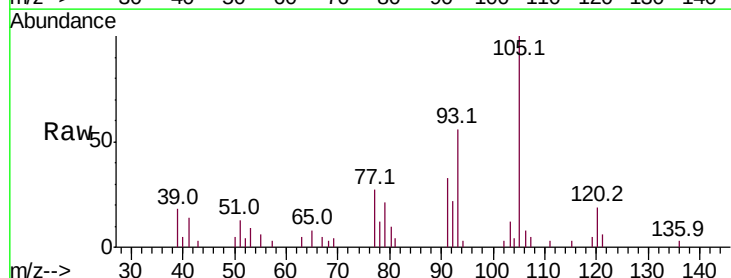
Tgt Ion:105 Resp: 3256

Ion Ratio Lower Upper

105 100

120 24.4 20.6 30.8

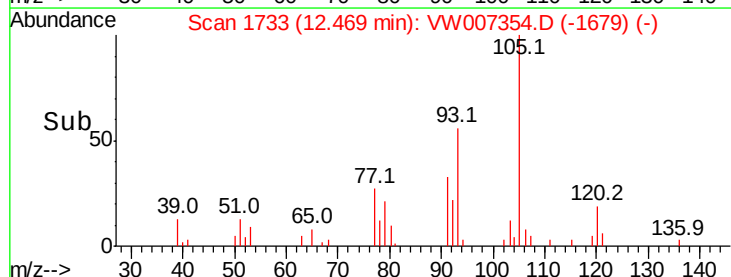
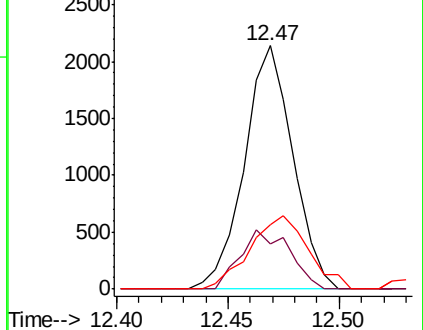
77 36.2 12.2 18.2#

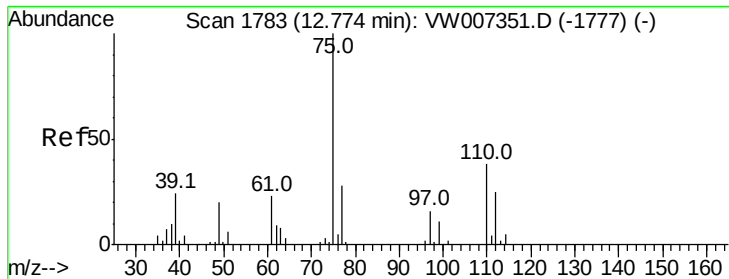


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#59

1,2,3-Trichloropropane

Concen: 3.332 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW007354.D

Acq: 10 Dec 2018 13:43

Instrument :

MSVOA_W

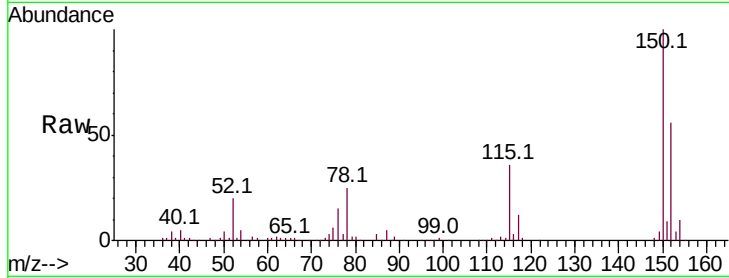
ClientSampled :

Tot Ion: 75 Resp: 3884

Ion Ratio Lower Upper

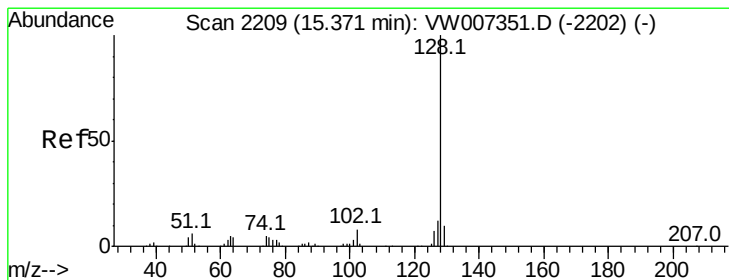
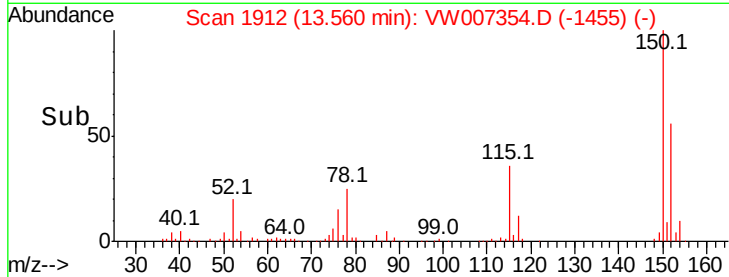
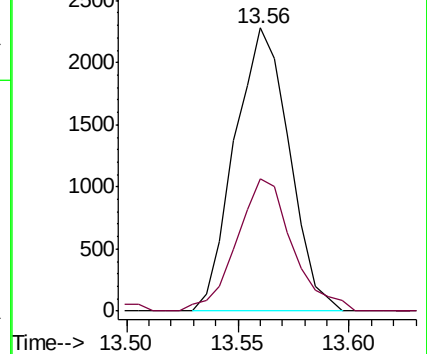
75 100

77 47.8 26.5 39.7#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#69

Naphthalene

Concen: 5.061 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007354.D

Acq: 10 Dec 2018 13:43

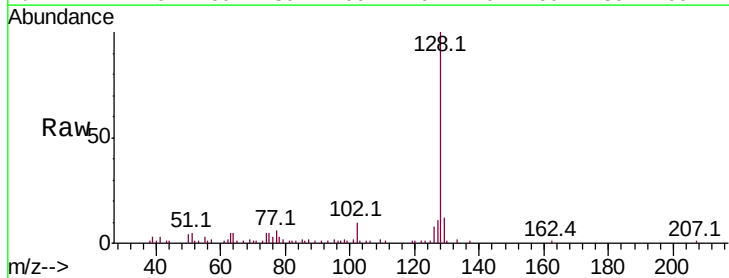
Tgt Ion: 128 Resp: 18534

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

127 13.5 10.7 16.1



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

