

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092320\
 Data File : VW016611.D
 Acq On : 22 Sep 2020 15:30
 Operator : SY/VA
 Sample : L4109-02
 Misc : 6.00G/10ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W6

Quant Time: Sep 23 07:29:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 07:21:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	678851	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	602874	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	294674	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	172653	26.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.12%
7) Chloroethane-d5	2.90	69	150594	28.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.28%
10) 1,1-Dichloroethene-d2	4.03	63	272465	18.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.20%
20) 2-Butanone-d5	7.09	46	73665	41.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.24%
24) Chloroform-d	7.65	84	383628	27.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.04%
26) 1,2-Dichloroethane-d4	8.31	65	193291	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.04%
29) Benzene-d6	8.28	84	750336	27.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.00%
33) 1,2-Dichloropropane-d6	9.28	67	204239	27.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.48%
37) Toluene-d8	10.33	98	724725	27.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.00%
38) trans-1,3-Dichloropropene-	10.58	79	90371	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.88%
39) 2-Hexanone-d5	10.93	63	59964	44.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	148959	23.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	251981	26.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	2351	0.269	ug/L #	17
12) 1,1-Dichloroethene	4.03	96	2540	0.295	ug/L #	1
13) Acetone	4.14	43	12064	8.597	ug/L	85
16) Methylene chloride	4.93	84	58506	5.588	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	4616	0.500	ug/L	87
30) Cyclohexane	7.96	56	3261	0.248	ug/L #	62
31) 1,1,1-Trichloroethane	7.88	97	6619	0.470	ug/L	95
42) cis-1,3-Dichloropropene	10.04	75	7539	0.587	ug/L #	67
44) Toluene	10.39	91	151765	4.177	ug/L	99
45) trans-1,3-Dichloropropene	10.59	75	4237	0.379	ug/L	91
49) 2-Hexanone	10.93	43	6964	2.298	ug/L #	64
53) Ethylbenzene	11.73	91	11708	0.284	ug/L	88
54) m,p-Xylene	11.84	106	24450	1.514	ug/L	94
55) o-xylene	12.17	106	8457	0.546	ug/L	99
69) Naphthalene	15.37	128	110417	5.493	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Wed Sep 23 07:21:48 2020
Response via : Initial Calibration

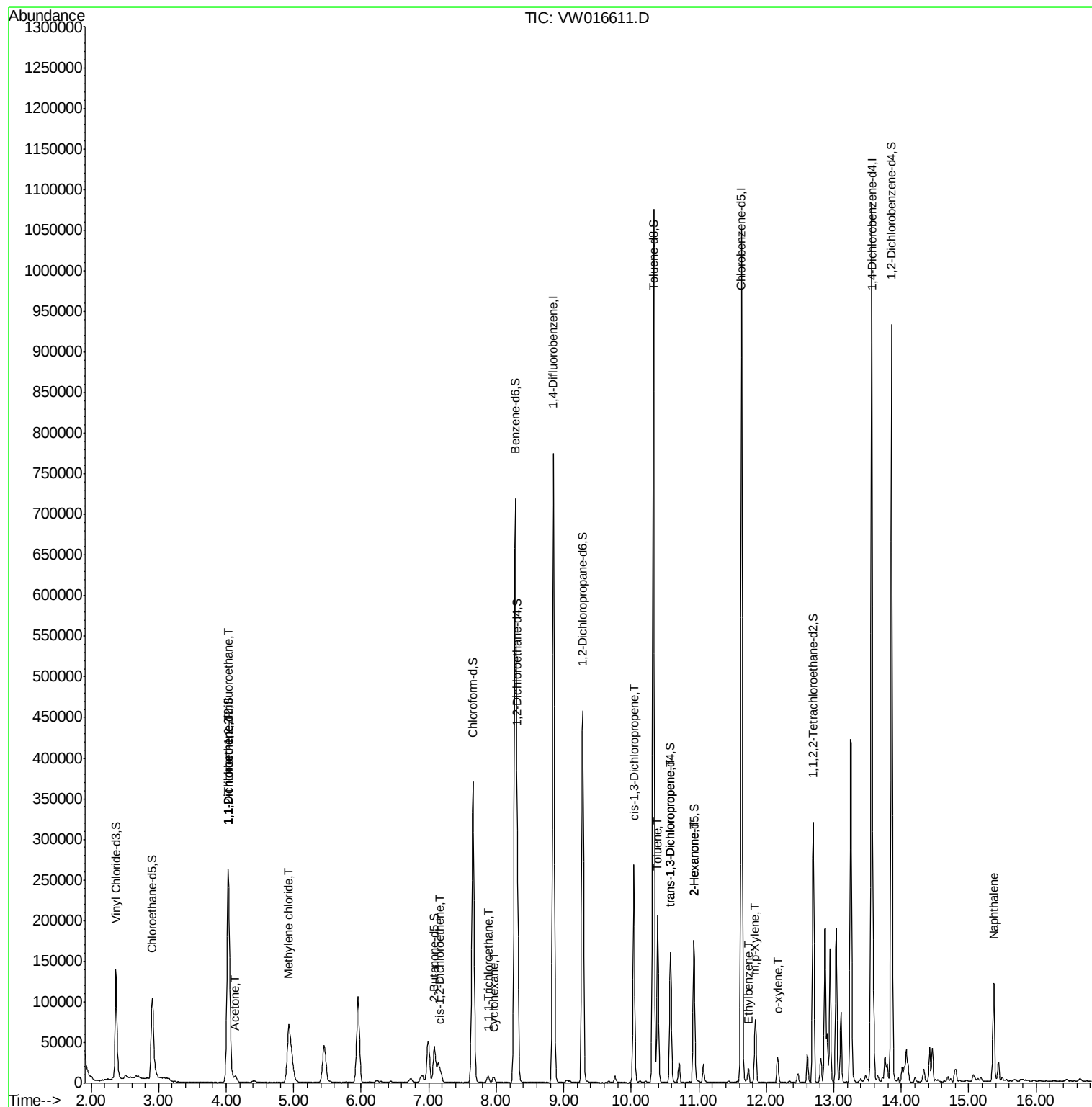
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

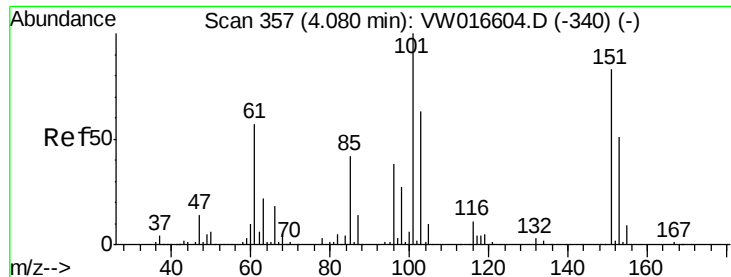
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016611.D
Acq On : 22 Sep 2020 15:30
Operator : SY/VA
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Quant Title : VOC Analysis
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Response via : Initial Calibration





#11

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

Concen: 0.269 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.05 min

Lab File: VW016611.D

Acq: 22 Sep 2020 15:30

Instrument :

MSVOA_W

ClientSampled :

BG3W6

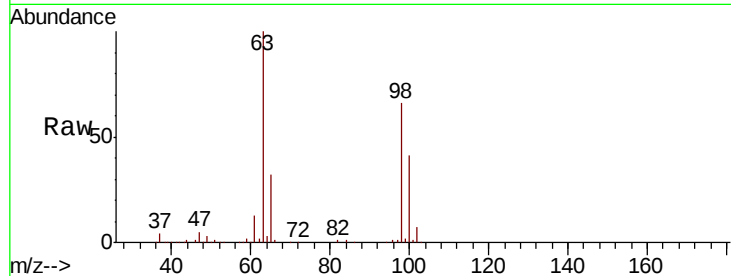
Tot Ion: 101 Resp: 2351

Ion Ratio Lower Upper

101 100

85 0.0 32.6 49.0#

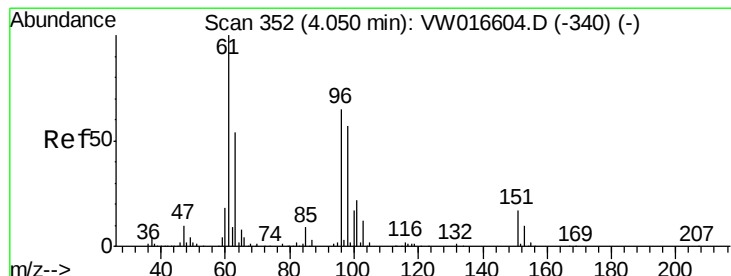
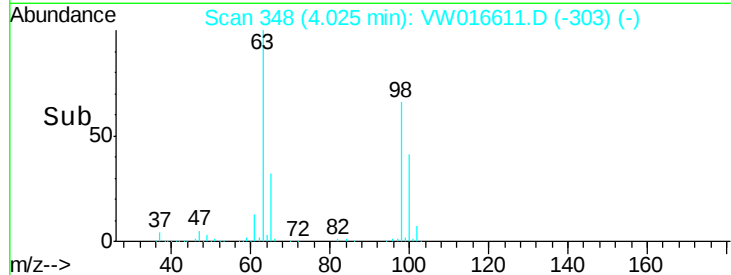
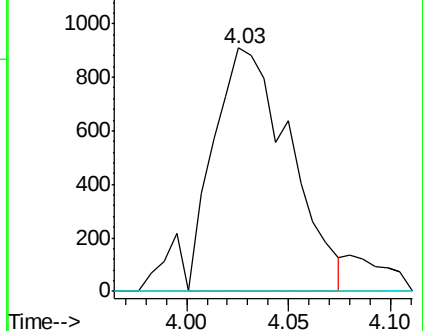
151 0.0 66.0 99.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.295 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.02 min

Lab File: VW016611.D

Acq: 22 Sep 2020 15:30

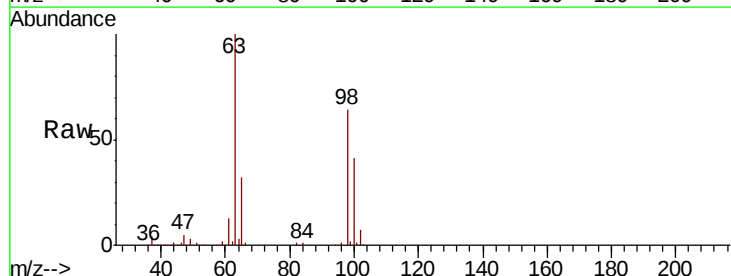
Tgt Ion: 96 Resp: 2540

Ion Ratio Lower Upper

96 100

61 1519.4 111.4 206.8#

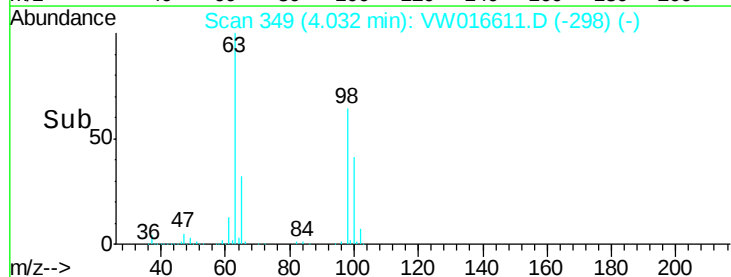
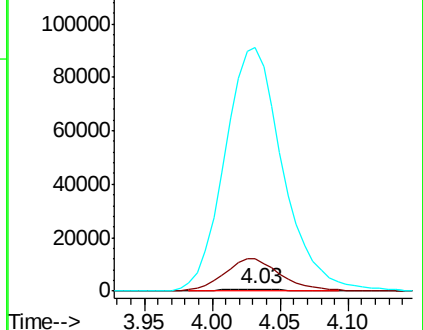
63 11578.1 73.0 135.6#

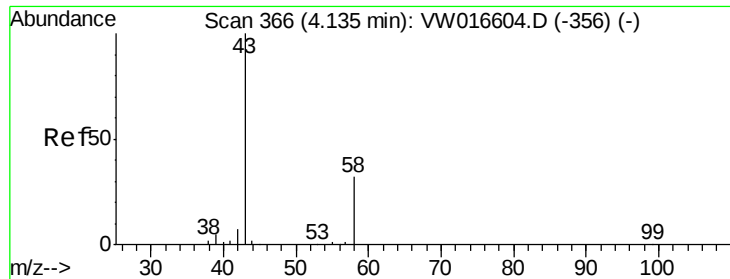


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 8.597 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW016611.D

Acq: 22 Sep 2020 15:30

Instrument :

MSVOA_W

ClientSampleId :

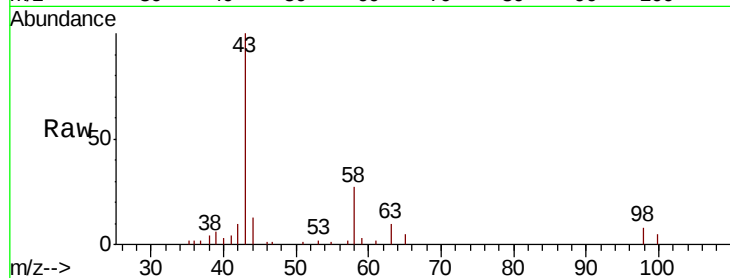
BG3W6

Tot Ion: 43 Resp: 12064

Ion Ratio Lower Upper

43 100

58 22.2 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

5000

4000

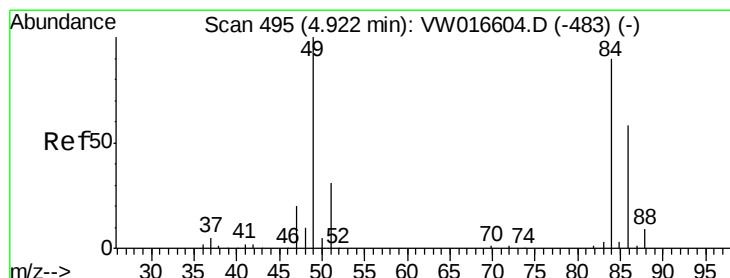
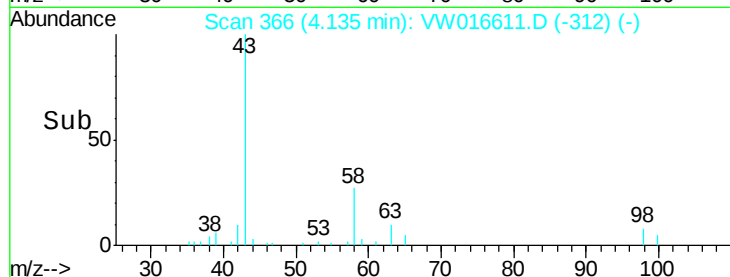
3000

2000

1000

0

Time-->



#16

Methylene chloride

Concen: 5.588 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016611.D

Acq: 22 Sep 2020 15:30

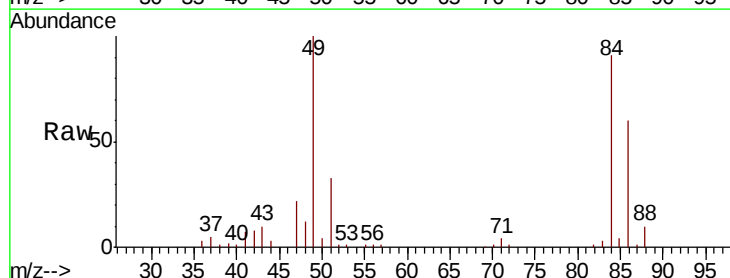
Tgt Ion: 84 Resp: 58506

Ion Ratio Lower Upper

84 100

49 110.4 76.0 141.2

86 65.9 45.6 84.6



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4.93

25000

20000

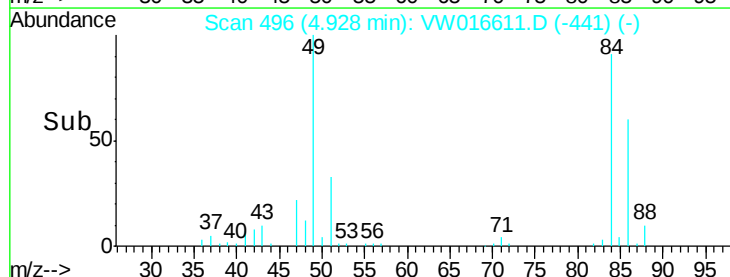
15000

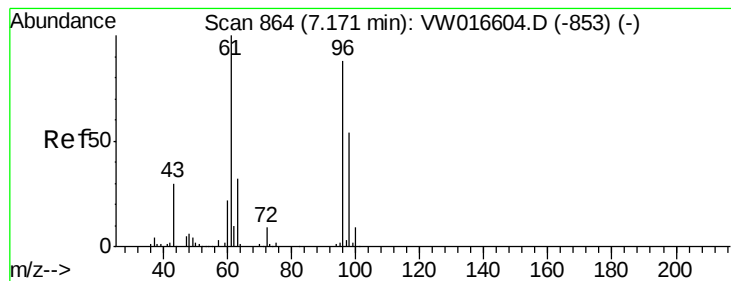
10000

5000

0

Time-->



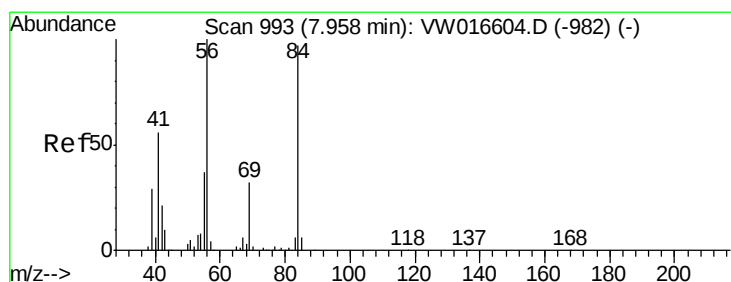
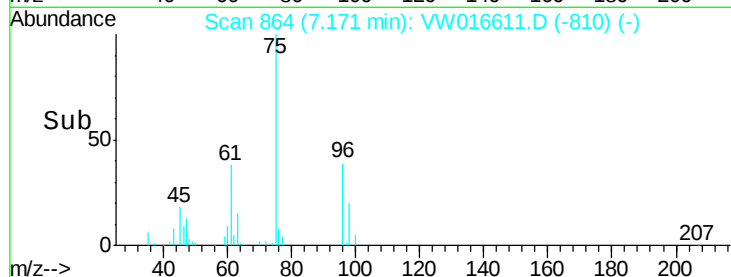
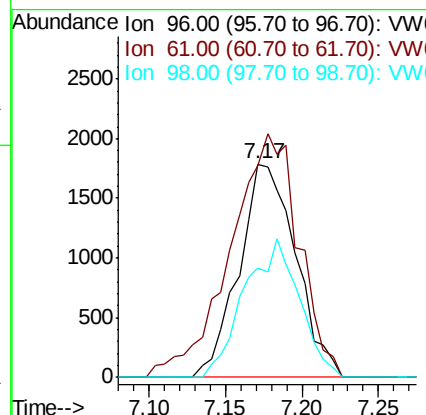
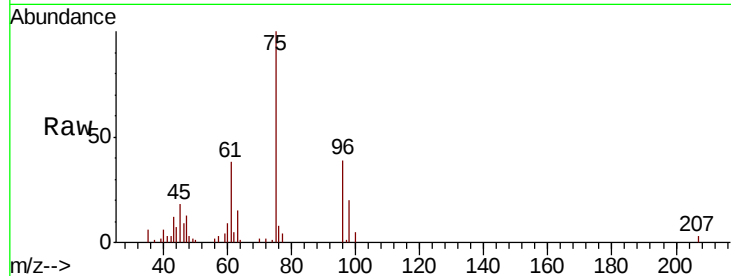


#22

cis-1,2-Dichloroethene
 Concen: 0.500 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016611.D
 Acq: 22 Sep 2020 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W6

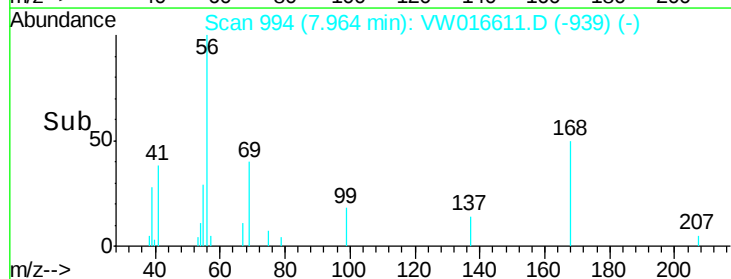
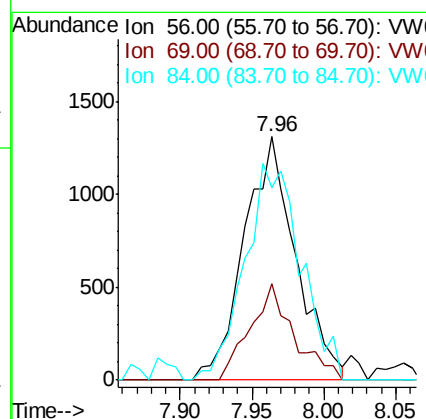
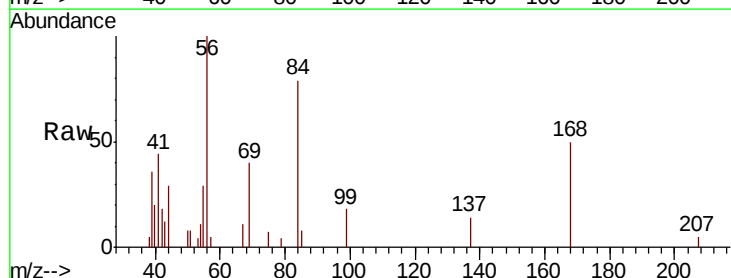
Tot Ion: 96 Resp: 4616
 Ion Ratio Lower Upper
 96 100
 61 99.7 78.4 145.6
 98 51.4 44.8 83.2

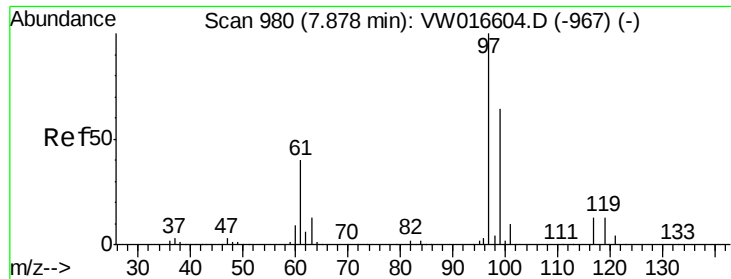


#30

Cyclohexane
 Concen: 0.248 ug/L
 RT: 7.96 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VW016611.D
 Acq: 22 Sep 2020 15:30

Tgt Ion: 56 Resp: 3261
 Ion Ratio Lower Upper
 56 100
 69 28.3 26.5 39.7
 84 51.7 79.0 118.6#

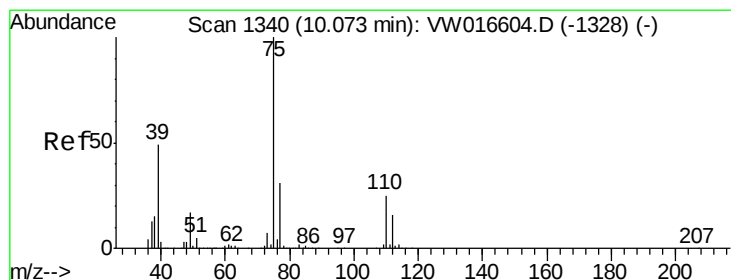
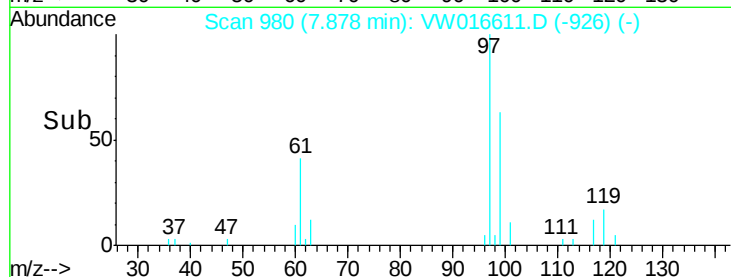
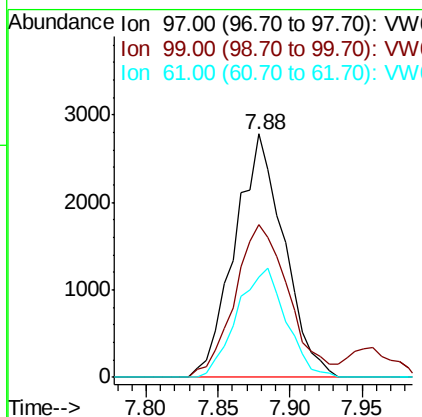
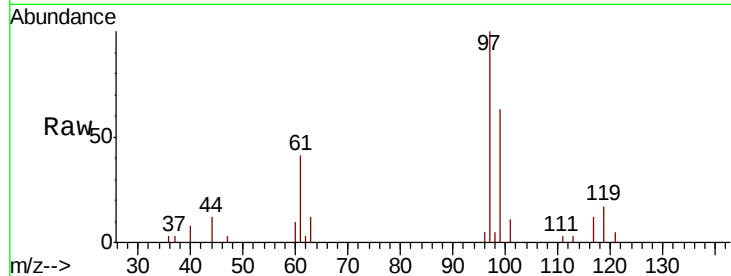




#31
 1,1,1-Trichloroethane
 Concen: 0.470 ug/L
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW016611.D
 Acq: 22 Sep 2020 15:30

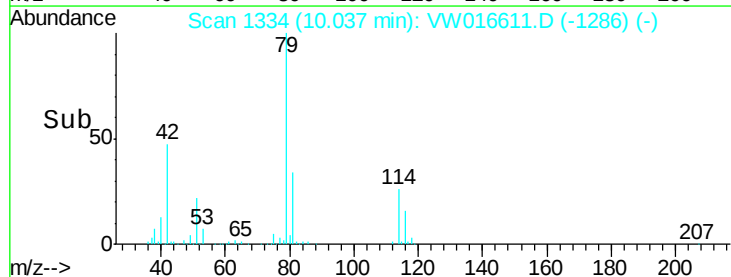
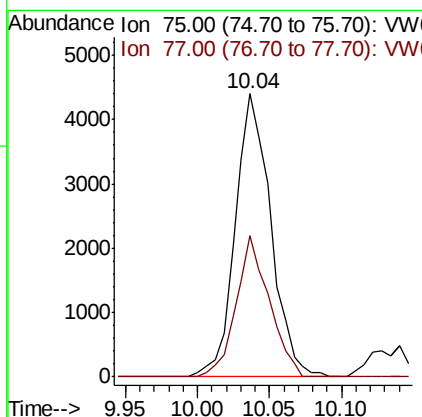
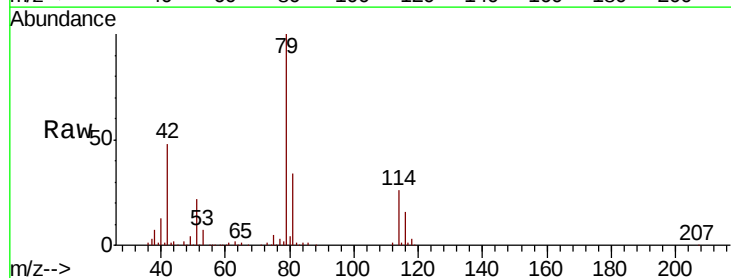
Instrument :
 MSVOA_W
 ClientSampled :
 BG3W6

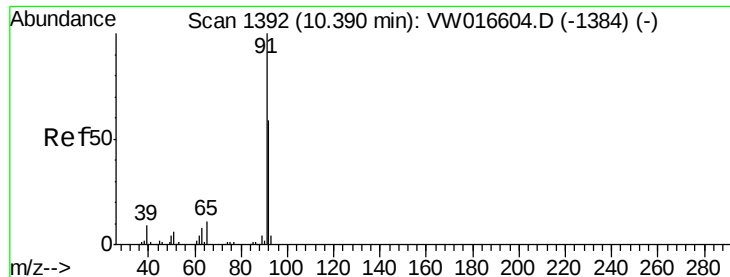
Tot Ion: 97 Resp: 6619
 Ion Ratio Lower Upper
 97 100
 99 69.1 51.8 77.6
 61 44.6 33.6 50.4



#42
 cis-1,3-Dichloropropene
 Concen: 0.587 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016611.D
 Acq: 22 Sep 2020 15:30

Tgt Ion: 75 Resp: 7539
 Ion Ratio Lower Upper
 75 100
 77 49.9 22.2 41.2#





#44

Toluene

Concen: 4.177 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016611.D

Acq: 22 Sep 2020 15:30

Instrument :

MSVOA_W

ClientSampleId :

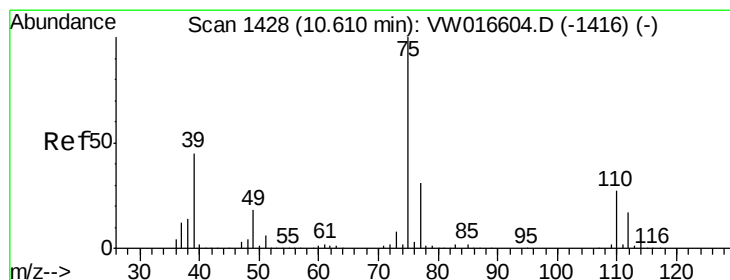
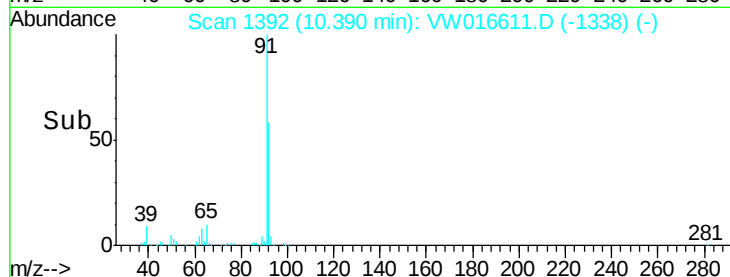
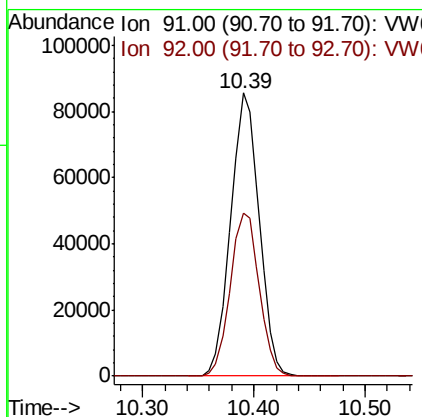
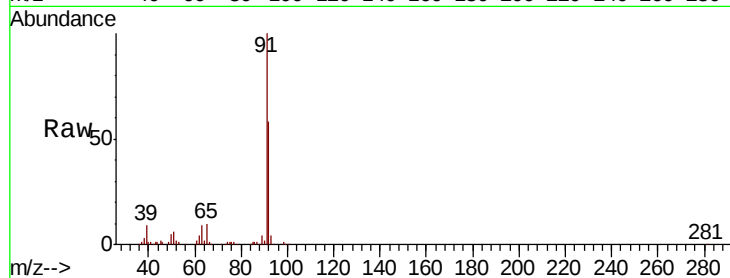
BG3W6

Tot Ion: 91 Resp: 151765

Ion Ratio Lower Upper

91 100

92 57.6 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 0.379 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016611.D

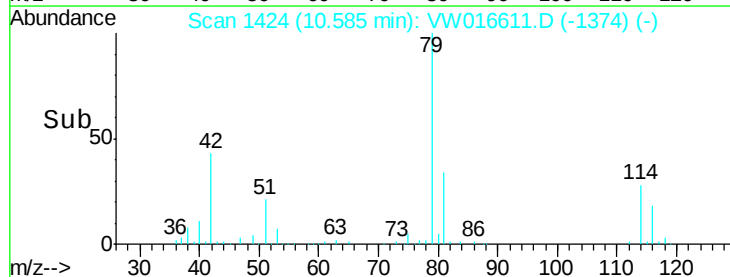
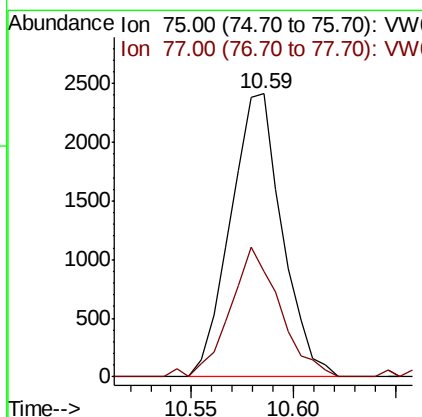
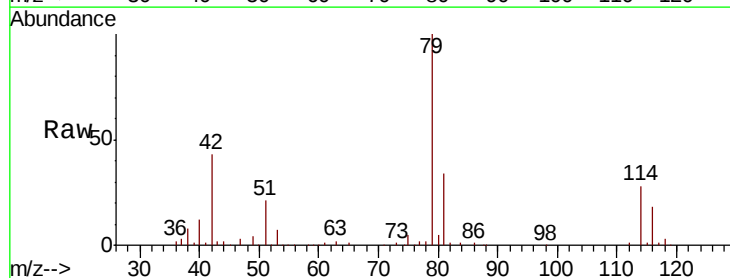
Acq: 22 Sep 2020 15:30

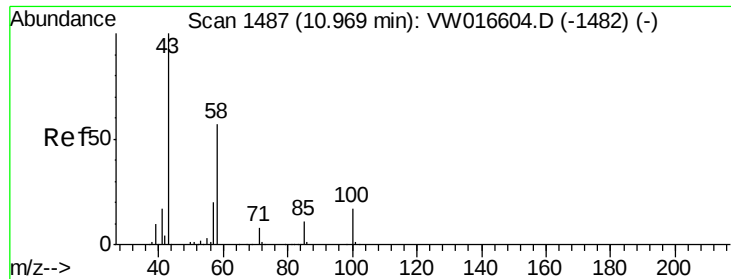
Tgt Ion: 75 Resp: 4237

Ion Ratio Lower Upper

75 100

77 37.4 22.5 41.9





#49

2-Hexanone

Concen: 2.298 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016611.D

Acq: 22 Sep 2020 15:30

Instrument :

MSVOA_W

ClientSampleId :

BG3W6

Tot Ion: 43 Resp: 6964

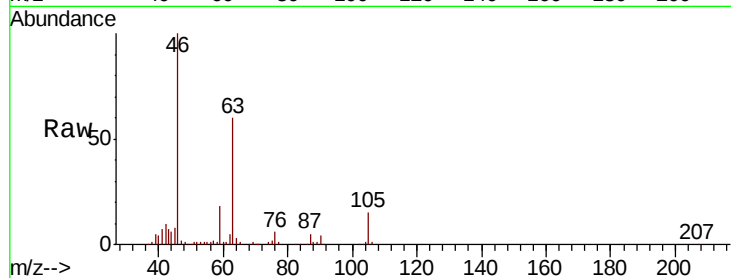
Ion Ratio Lower Upper

43 100

58 23.8 44.2 66.2#

57 27.2 16.3 24.5#

100 0.0 12.4 18.6#

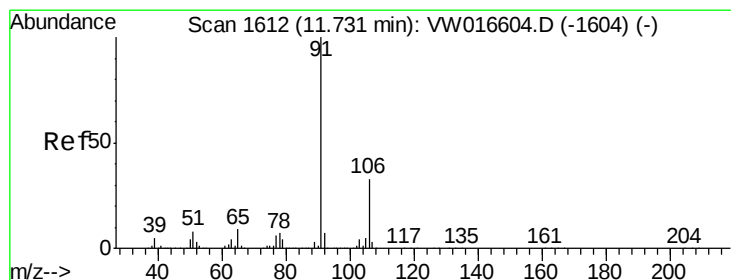
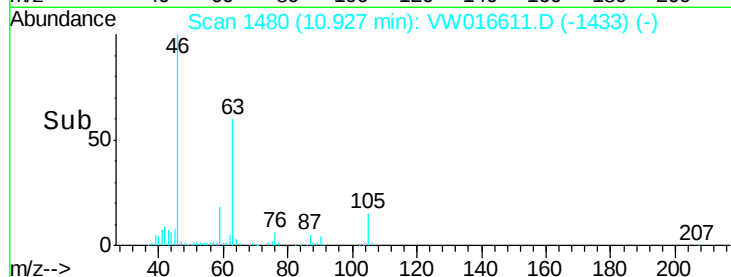
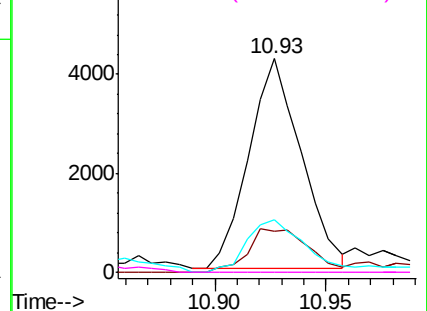


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#53

Ethylbenzene

Concen: 0.284 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016611.D

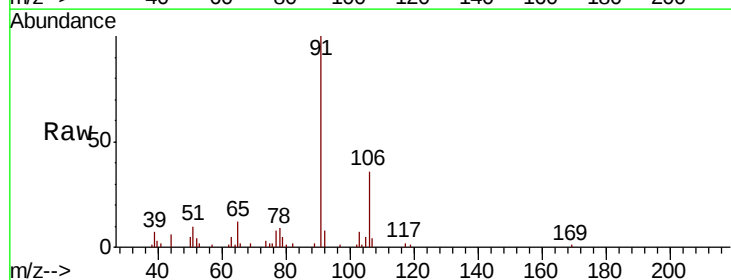
Acq: 22 Sep 2020 15:30

Tgt Ion: 91 Resp: 11708

Ion Ratio Lower Upper

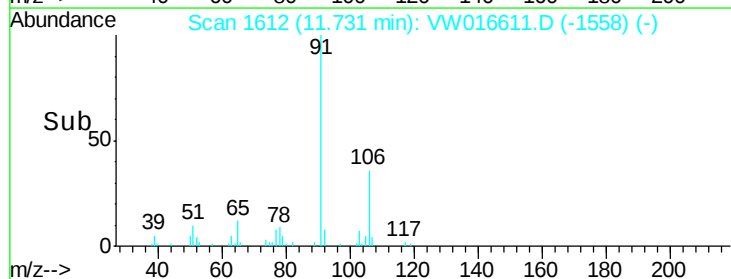
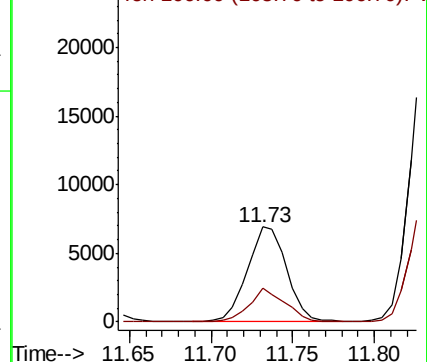
91 100

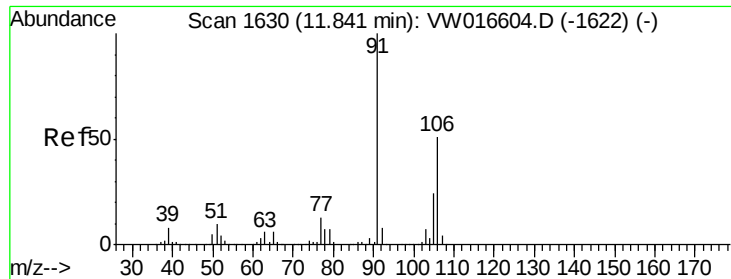
106 35.8 20.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 1.514 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW016611.D

Acq: 22 Sep 2020 15:30

Instrument :

MSVOA_W

ClientSampled :

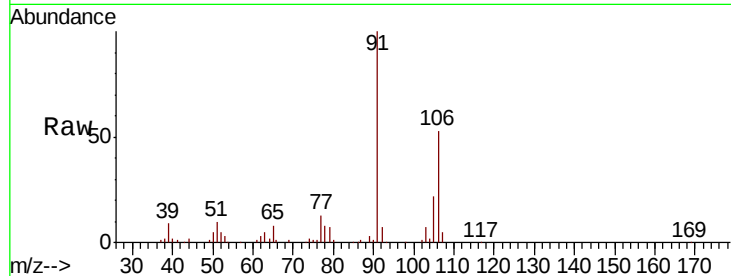
BG3W6

Tot Ion:106 Resp: 24450

Ion Ratio Lower Upper

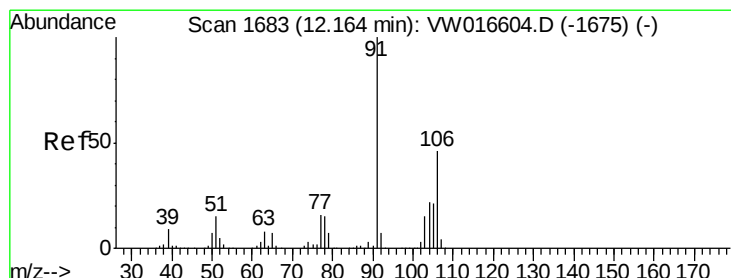
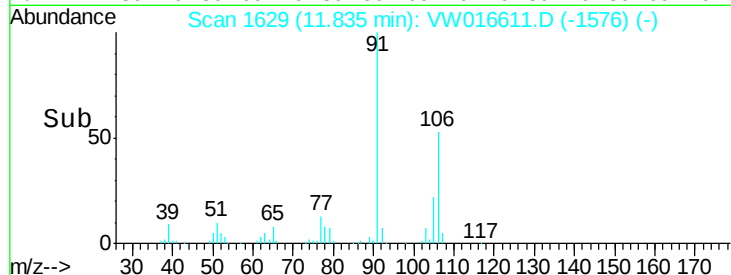
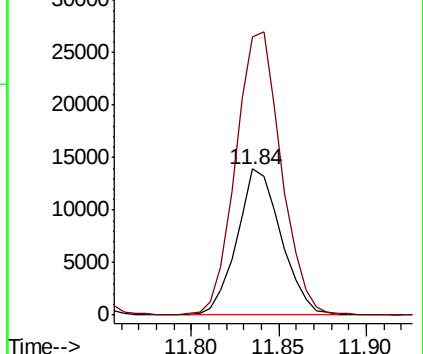
106 100

91 190.2 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.546 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW016611.D

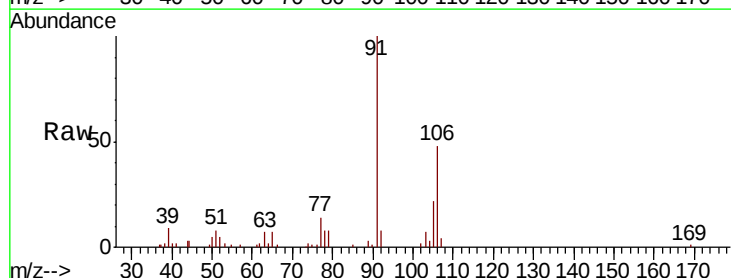
Acq: 22 Sep 2020 15:30

Tgt Ion:106 Resp: 8457

Ion Ratio Lower Upper

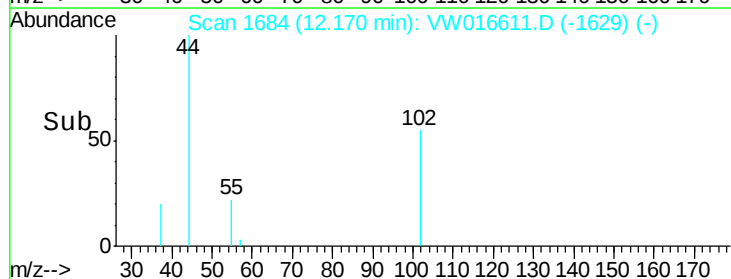
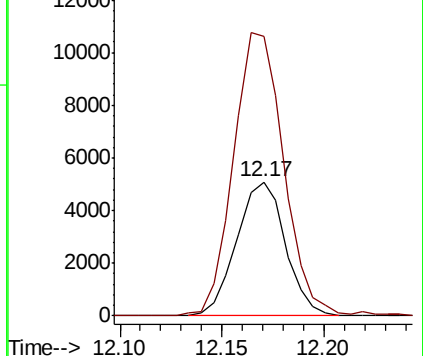
106 100

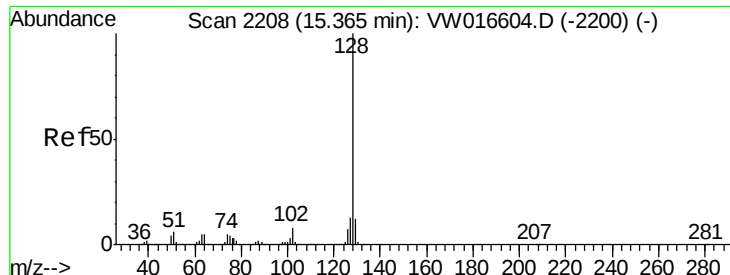
91 208.6 144.8 268.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#69

Naphthalene

Concen: 5.493 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016611.D

Acq: 22 Sep 2020 15:30

Instrument :

MSVOA_W

ClientSampleId :

BG3W6

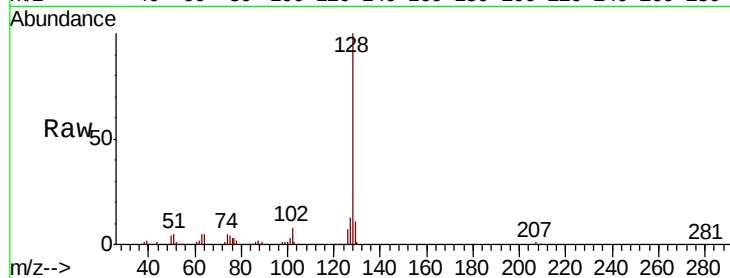
Tot Ion:128 Resp: 110417

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.3 10.8 16.2



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

