

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011520\
 Data File : VW014652.D
 Acq On : 15 Jan 2020 14:17
 Operator : SY/VA
 Sample : L1109-10
 Misc : 5.06G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GASG9

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 5:41:24 PM

Quant Time: Jan 16 13:34:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 11:23:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	275114	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	187713	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	40583	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	92430	23.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.32%
7) Chloroethane-d5	2.89	69	80258	28.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.36%
10) 1,1-Dichloroethene-d2	4.01	63	133263	18.79	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.16%
20) 2-Butanone-d5	7.07	46	65665	71.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.30%#
24) Chloroform-d	7.65	84	171424	27.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.32%
26) 1,2-Dichloroethane-d4	8.31	65	97528	29.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.76%
29) Benzene-d6	8.27	84	361130	36.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	144.72%#
33) 1,2-Dichloropropane-d6	9.27	67	110691	36.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	147.52%#
37) Toluene-d8	10.32	98	260342	28.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.08%
38) trans-1,3-Dichloropropene-	10.58	79	39927	32.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	128.84%
39) 2-Hexanone-d5	10.92	63	46675	90.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	181.90%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	54362	24.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	37366	27.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.13	43	30918	24.198	ug/L	99
16) Methylene chloride	4.91	84	18242	4.066	ug/L	94
34) Benzene	8.32	78	28411	2.515	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	6206	3.381	ug/L	98
44) Toluene	10.38	91	4911791	416.080	ug/L	97
47) Tetrachloroethene	10.86	164	1363	0.557	ug/L	84
53) Ethylbenzene	11.73	91	11645474	897.223	ug/L	94
54) m,p-Xylene	11.84	106	5452061	1110.009	ug/L	91
55) o-xylene	12.16	106	18066566m	3894.148	ug/L	
56) Styrene	12.18	104	6915574	885.624	ug/L	86
57) Isopropylbenzene	12.46	105	1436712	116.419	ug/L	99

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

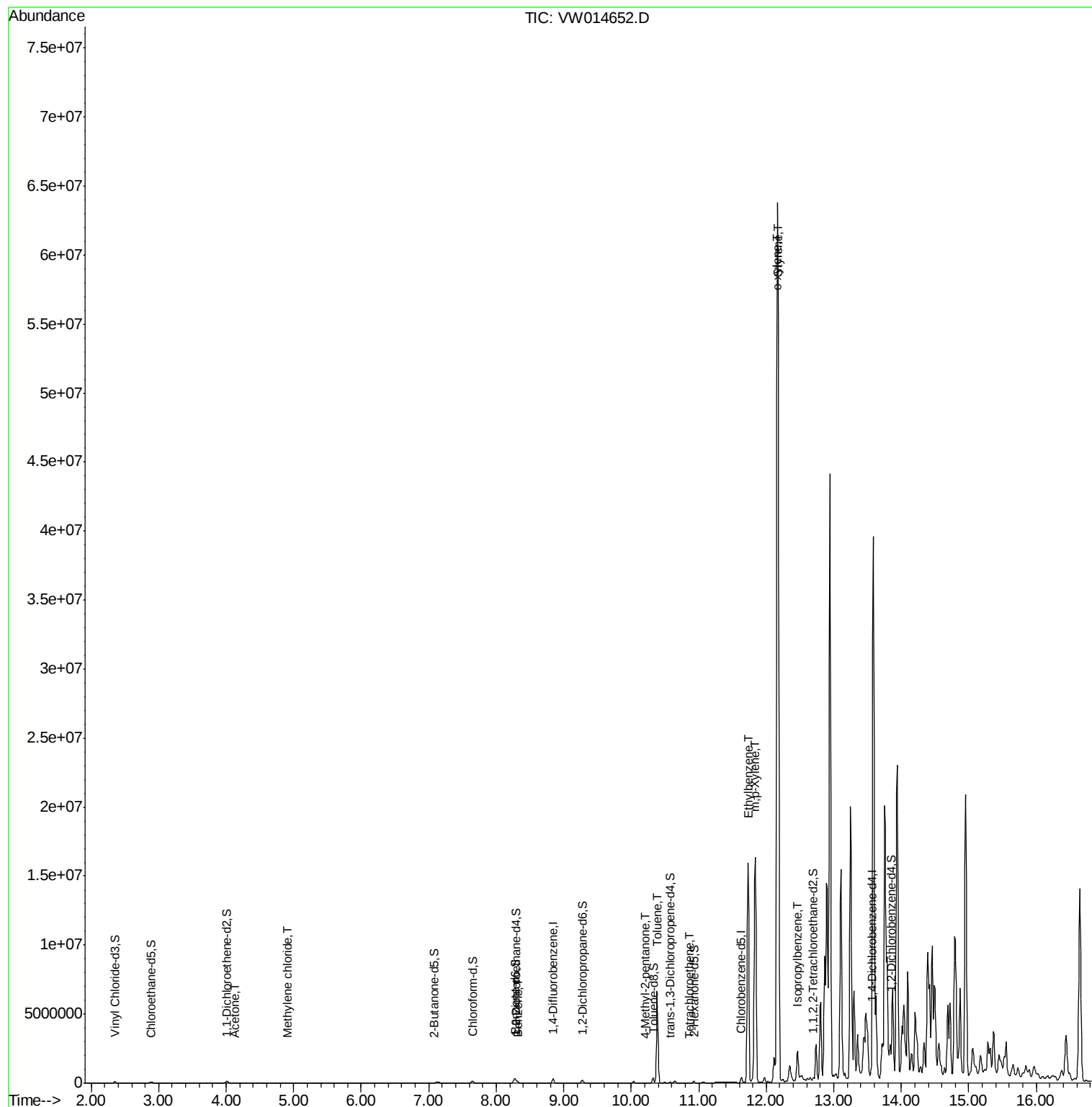
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011520\
Data File : VW014652.D
Acq On : 15 Jan 2020 14:17
Operator : SY/VA
Sample : L1109-10
Misc : 5.06G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

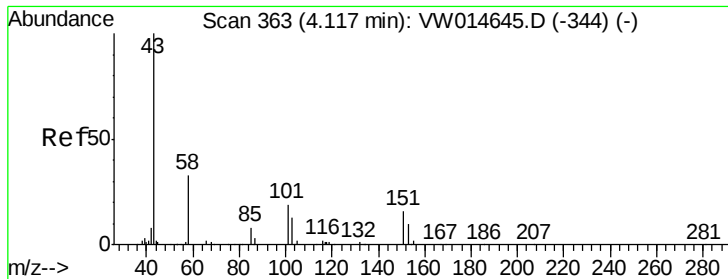
Instrument :
MSVOA_W
ClientSampleId :
GASG9

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 16 11:23:05 2020
Response via : Initial Calibration





#13

Acetone

Concen: 24.198 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW014652.D

Acq: 15 Jan 2020 14:17

Instrument :

MSVOA_W

ClientSampled :

GASG9

Tot Ion: 43 Resp: 30918

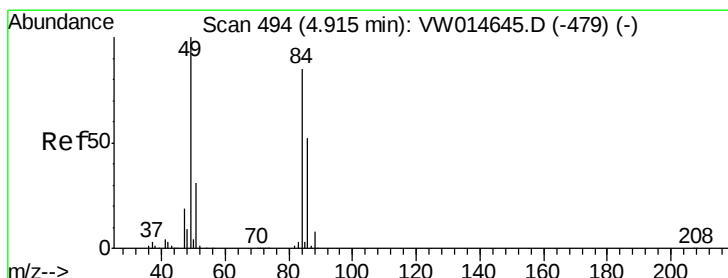
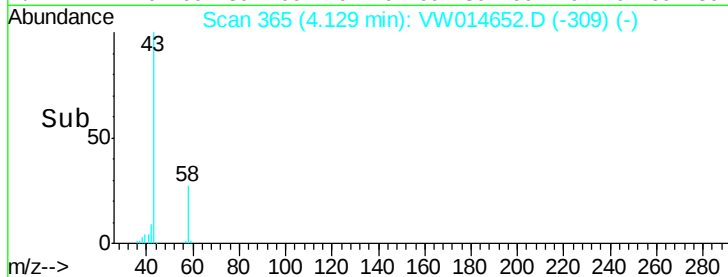
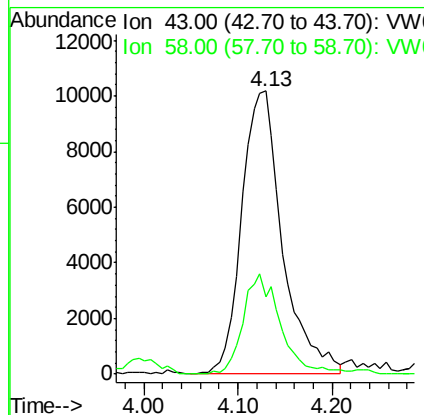
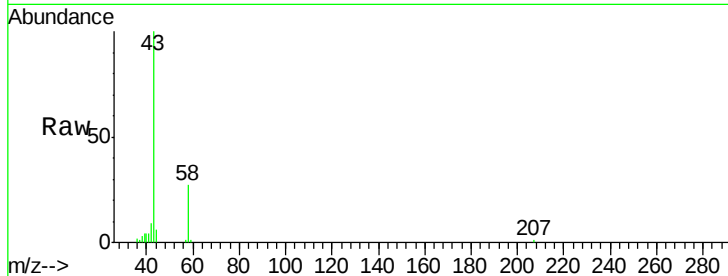
Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.0

Manual Integrations
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#16

Methylene chloride

Concen: 4.066 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW014652.D

Acq: 15 Jan 2020 14:17

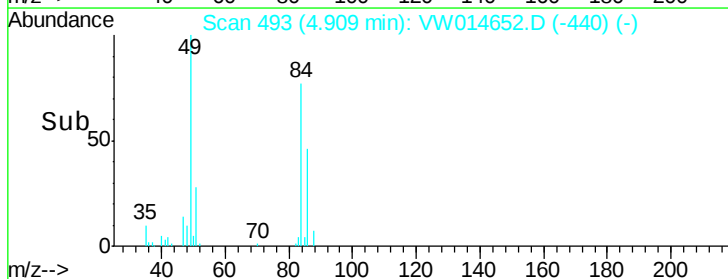
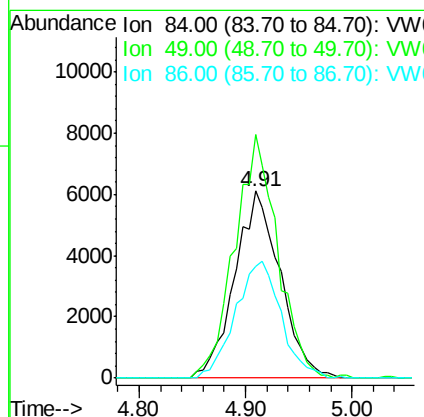
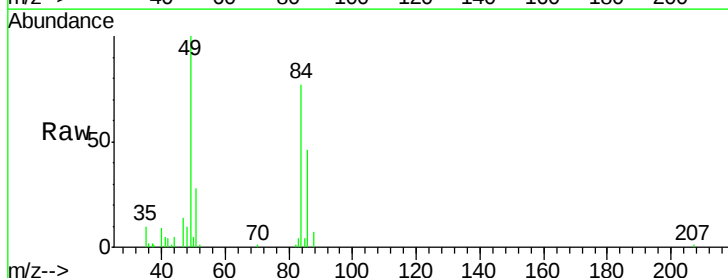
Tgt Ion: 84 Resp: 18242

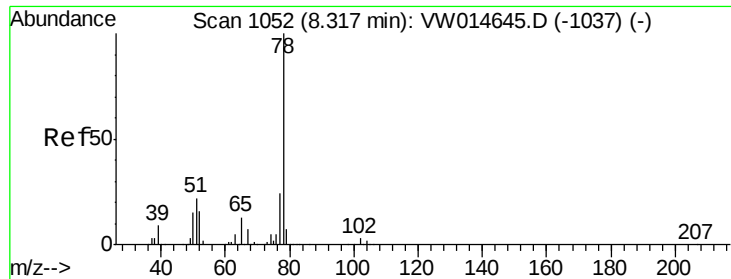
Ion Ratio Lower Upper

84 100

49 130.4 85.8 159.4

86 60.2 44.5 82.7





#34

Benzene

Concen: 2.515 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014652.D

Acq: 15 Jan 2020 14:17

Instrument :

MSVOA_W

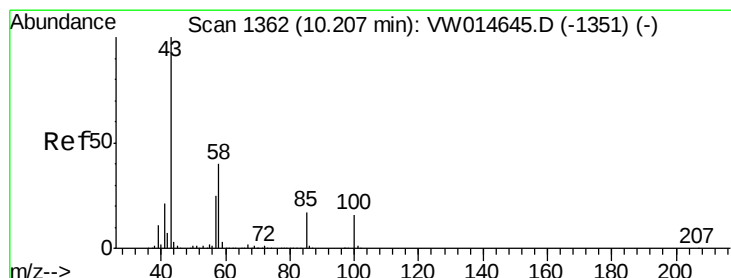
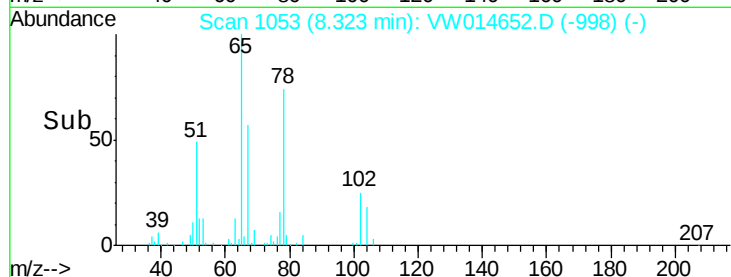
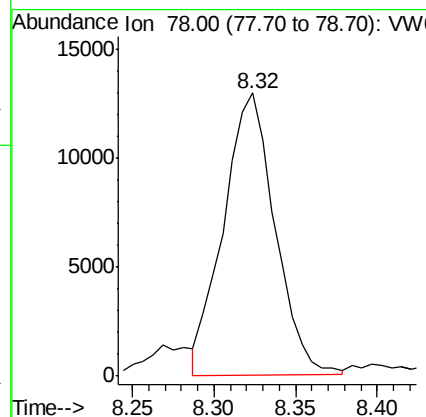
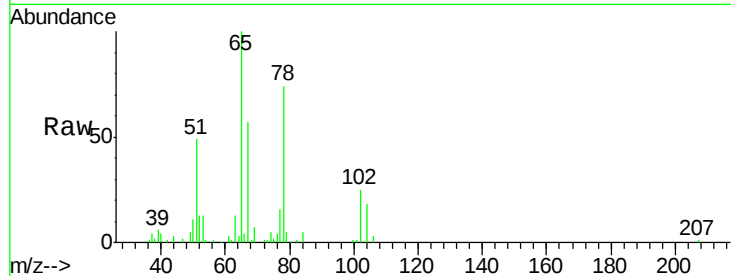
ClientSampleId :

GASG9

Tgt Ion: 78 Resp: 28411

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#43

4-Methyl-2-pentanone

Concen: 3.381 ug/L

RT: 10.21 min Scan# 1363

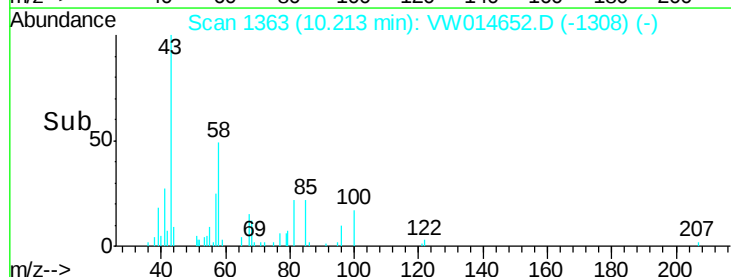
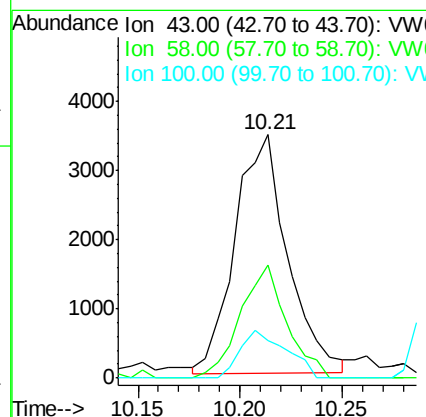
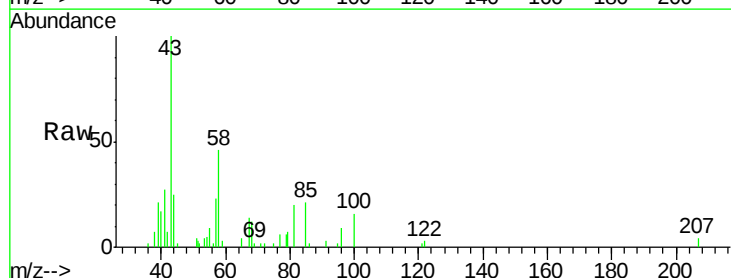
Delta R.T. 0.01 min

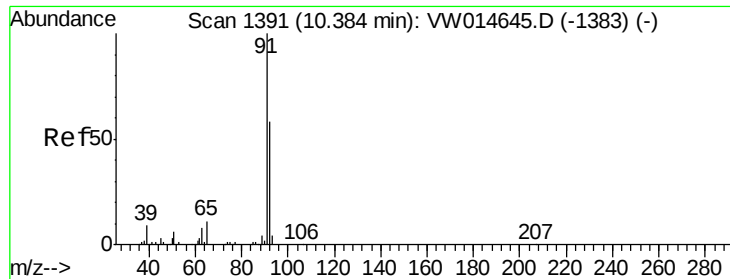
Lab File: VW014652.D

Acq: 15 Jan 2020 14:17

Tgt Ion: 43 Resp: 6206

Ion	Ratio	Lower	Upper
43	100		
58	41.5	32.6	48.8
100	17.4	12.6	19.0





#44

Toluene

Concen: 416.080 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014652.D

Acq: 15 Jan 2020 14:17

Instrument :

MSVOA_W

ClientSampled :

GASG9

Tot Ion: 91 Resp: 4911791

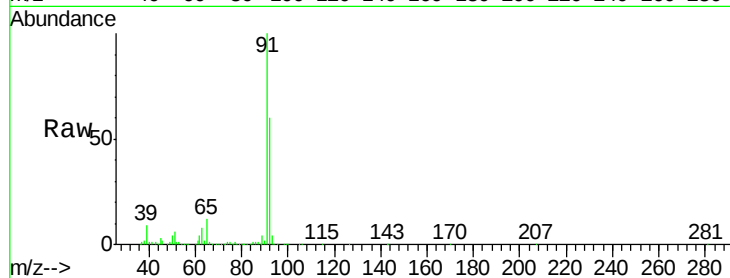
Ion Ratio Lower Upper

91 100

92 59.6 40.2 74.6

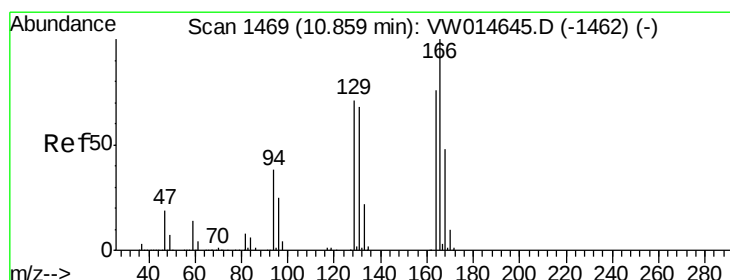
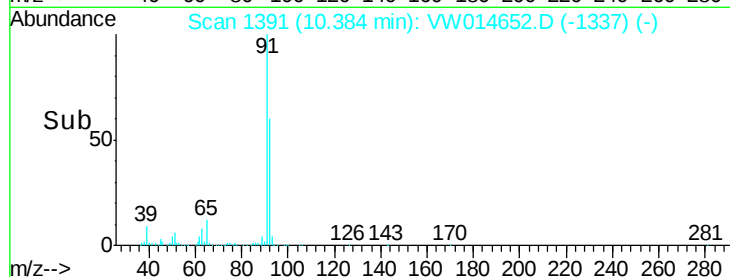
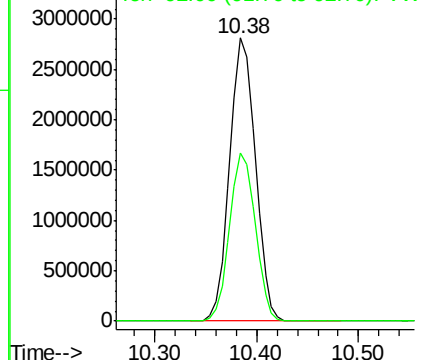
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#47

Tetrachloroethene

Concen: 0.557 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014652.D

Acq: 15 Jan 2020 14:17

Tgt Ion: 164 Resp: 1363

Ion Ratio Lower Upper

164 100

129 100.0 64.0 118.8

131 89.5 60.2 111.8

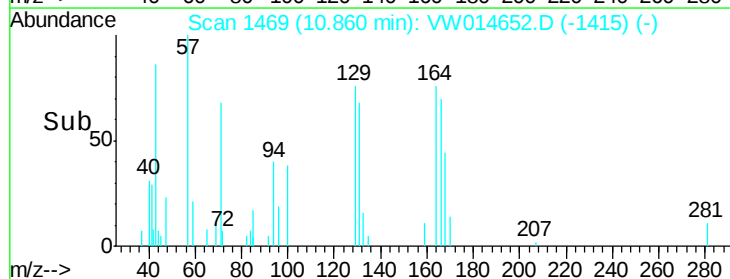
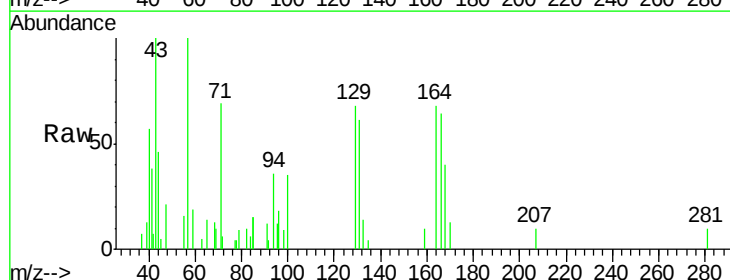
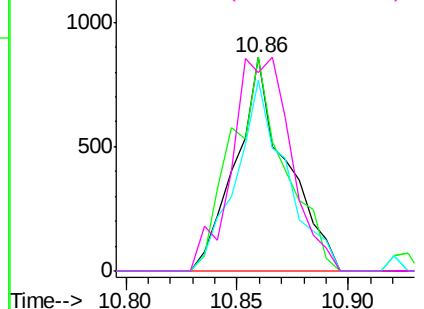
166 93.2 88.2 163.8

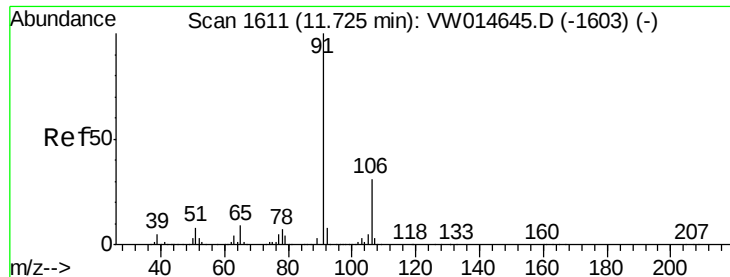
Abundance Ion 164.00 (163.70 to 164.70): V

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





#53

Ethylbenzene

Concen: 897.223 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014652.D

Acq: 15 Jan 2020 14:17

Instrument :

MSVOA_W

ClientSampled :

GASG9

Tot Ion: 91 Resp: 11645474

Ion Ratio Lower Upper

91 100

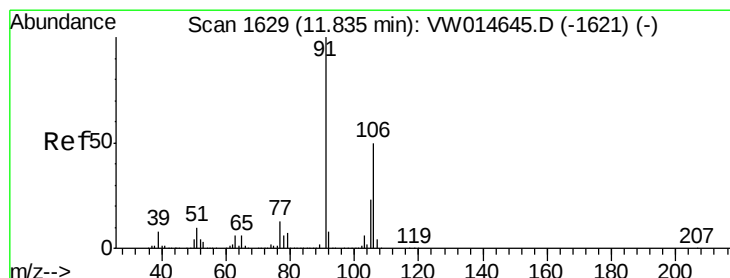
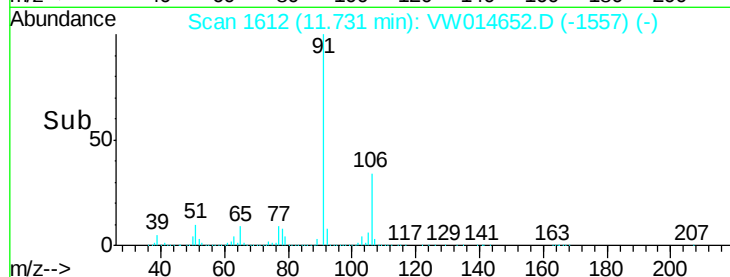
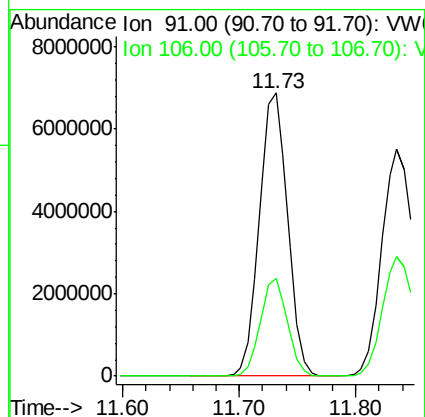
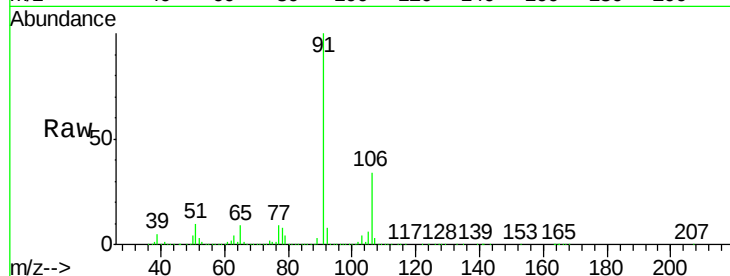
106 34.4 21.8 40.6

Manual Integrations

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#54

m,p-Xylene

Concen: 1110.009 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014652.D

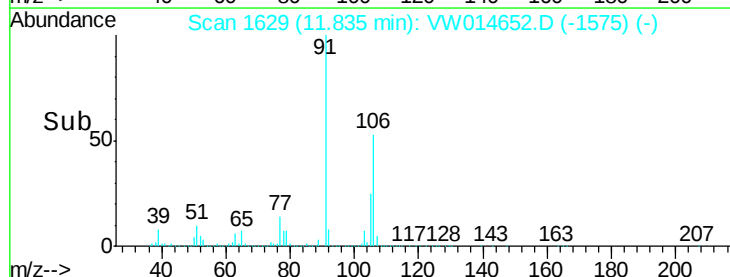
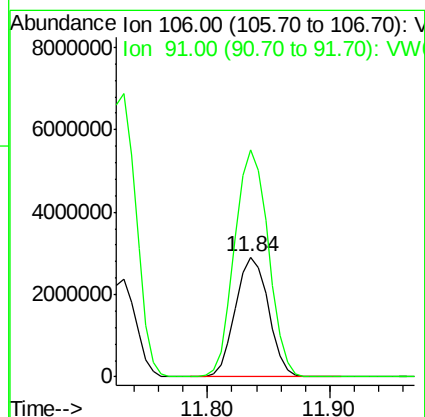
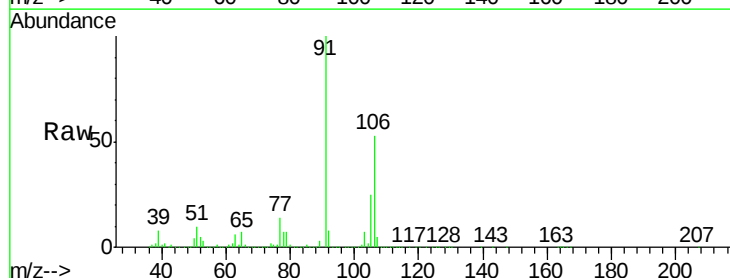
Acq: 15 Jan 2020 14:17

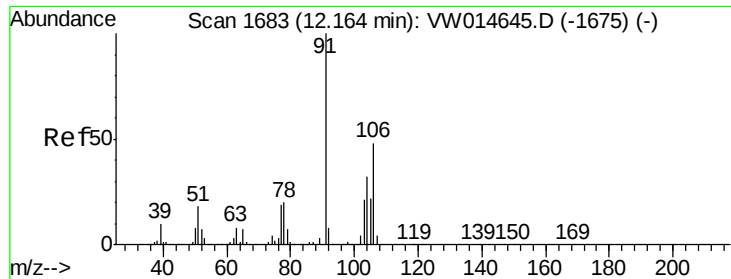
Tgt Ion: 106 Resp: 5452061

Ion Ratio Lower Upper

106 100

91 189.3 142.2 264.0





#55

o-xylene

Concen: 3894.148 ug/L m

RT: 12.16 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW014652.D

Acq: 15 Jan 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

GASG9

Tot Ion:106 Resp:18066566

Ion Ratio Lower Upper

106 100

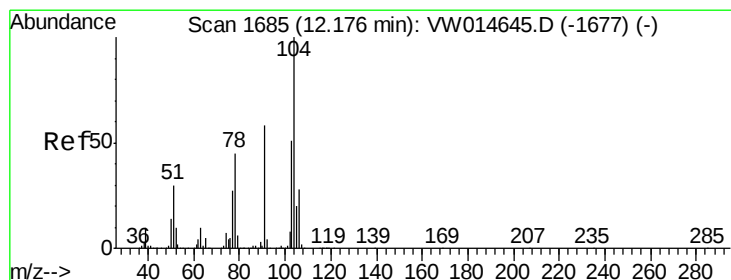
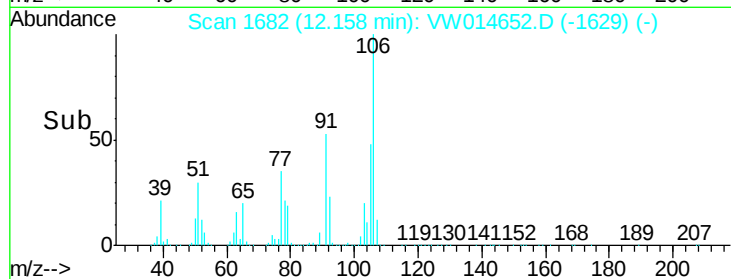
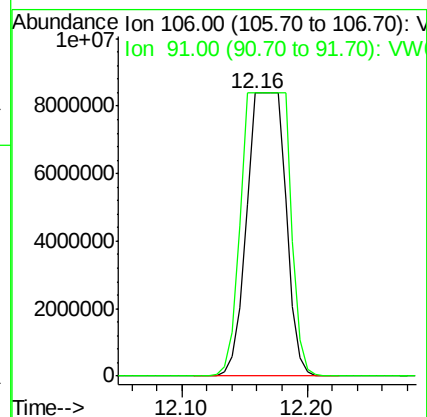
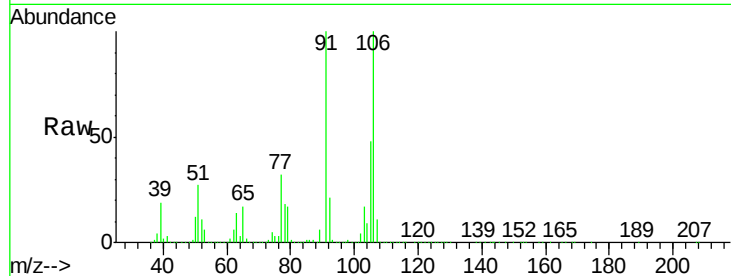
91 100.0 148.7 276.1#

Manual Integrations

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#56

Styrene

Concen: 885.624 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014652.D

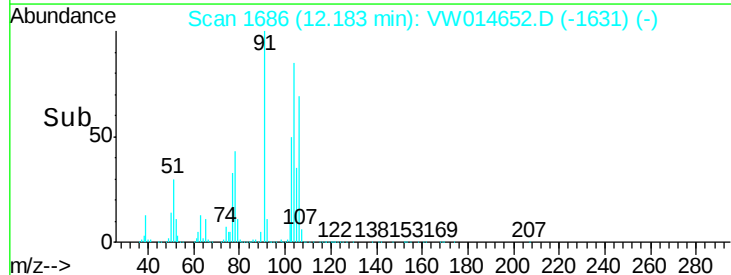
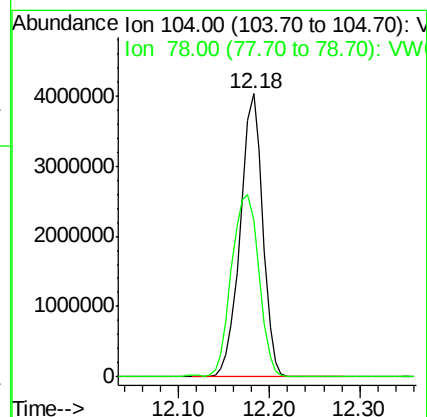
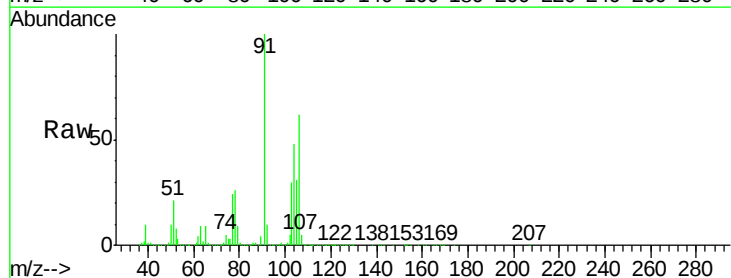
Acq: 15 Jan 2020 14:17

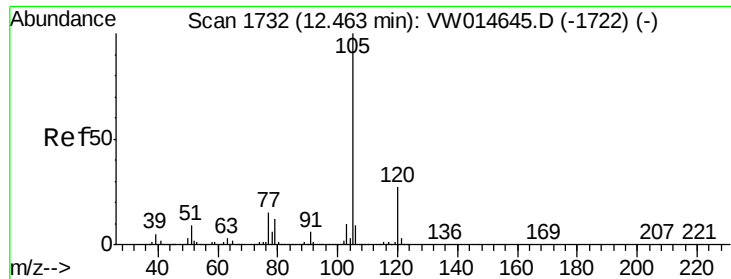
Tgt Ion:104 Resp: 6915574

Ion Ratio Lower Upper

104 100

78 55.2 32.3 60.1





#57

Isopropylbenzene

Concen: 116.419 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014652.D

Acq: 15 Jan 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

GASG9

Tot Ion:105 Resp: 1436712

Ion Ratio Lower Upper

105 100

120 27.3 21.0 31.6

77 15.1 12.2 18.2

Manual Integrations

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