

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\
 Data File : VW015587.D
 Acq On : 11 Jun 2020 14:17
 Operator : SY/VA
 Sample : L2959-07RE
 Misc : 5.21G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K1RE

Quant Time: Jun 12 05:04:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 05:02:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	88367	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	76006	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	27521	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	30105	37.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	148.72%
7) Chloroethane-d5	2.89	69	25653	31.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.40%
10) 1,1-Dichloroethene-d2	4.01	63	42421	21.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.00%
20) 2-Butanone-d5	7.09	46	12442	47.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.12%
24) Chloroform-d	7.65	84	53590	26.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.88%
26) 1,2-Dichloroethane-d4	8.31	65	30617	26.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.72%
29) Benzene-d6	8.28	84	104046	27.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.64%
33) 1,2-Dichloropropane-d6	9.28	67	30952	27.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.28%
37) Toluene-d8	10.33	98	91286	25.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.76%
38) trans-1,3-Dichloropropene-	10.58	79	11486	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.68%
39) 2-Hexanone-d5	10.93	63	9069	46.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	20094	23.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	22283	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

					Ovalue
13) Acetone	4.13	43	8851	43.304	ug/L 99
16) Methylene chloride	4.92	84	3584	3.305	ug/L 88
21) 2-Butanone	7.18	43	4787	15.246	ug/L 96
27) 1,2-Dichloroethane	8.27	62	642	0.464	ug/L # 76
34) Benzene	8.33	78	1742	0.410	ug/L 100
40) 1,2-Dichloropropane	9.28	63	3852	3.680	ug/L # 85
42) cis-1,3-Dichloropropene	10.04	75	965	0.576	ug/L # 67
44) Toluene	10.39	91	18386	3.970	ug/L 96
47) Tetrachloroethene	10.87	164	2335	2.580	ug/L 98
50) Dibromochloromethane	10.86	129	2203	2.476	ug/L # 12
53) Ethylbenzene	11.73	91	6901	1.298	ug/L 96
54) m,p-Xylene	11.83	106	4935	2.473	ug/L 95
55) o-xylene	12.16	106	1953	1.031	ug/L 96
56) Styrene	12.18	104	1220	0.377	ug/L 94
63) 1,3-Dichlorobenzene	13.58	146	1190	0.707	ug/L # 76
64) 1,4-Dichlorobenzene	13.58	146	1190	0.721	ug/L # 74
65) 1,2-Dichlorobenzene	13.58	146	1190	0.813	ug/L # 75

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Quant Title : VOC Analysis
QLast Update : Fri Jun 12 05:02:36 2020
Response via : Initial Calibration

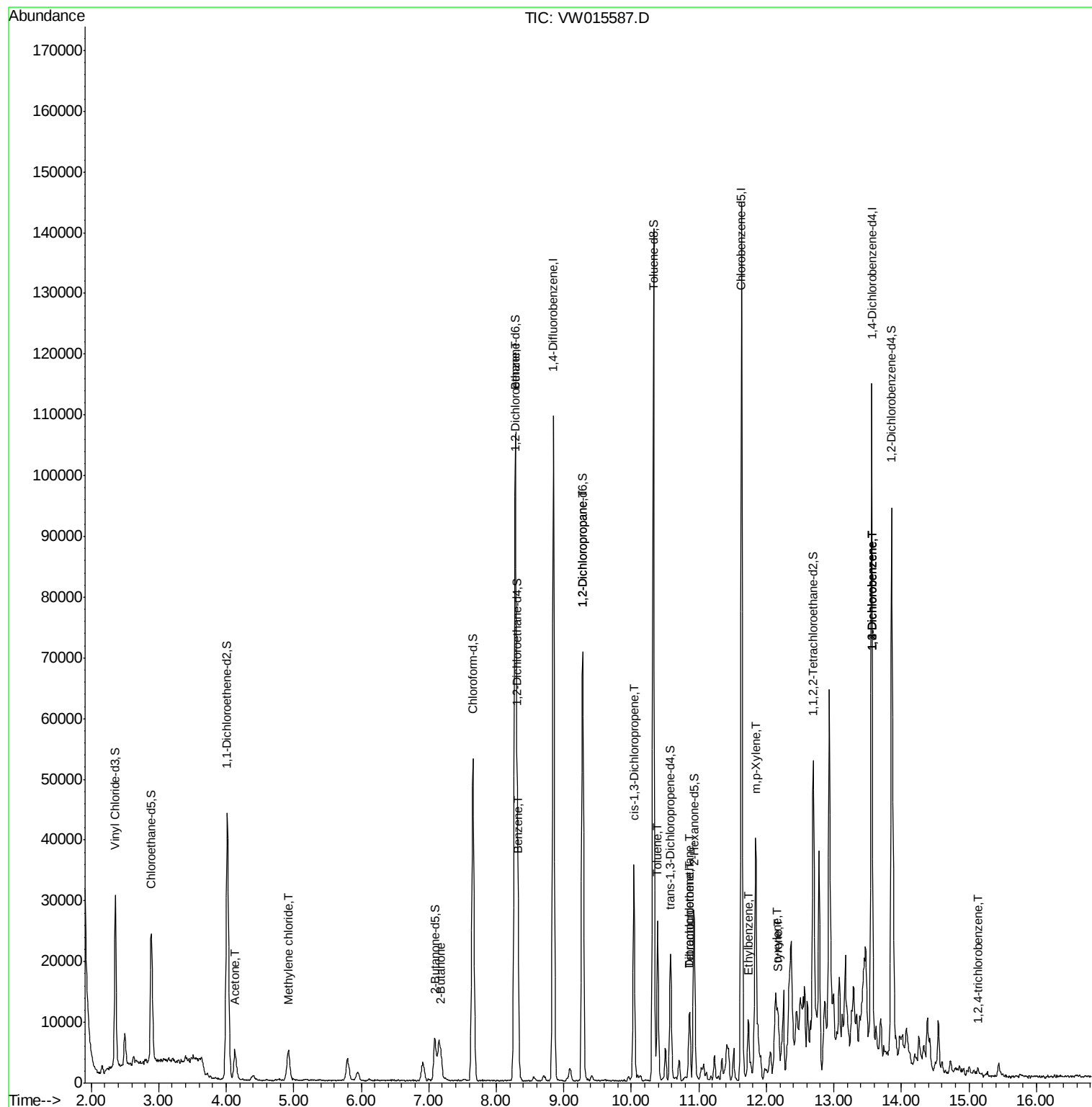
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	15.13	180	303	0.323	ug/L #	26

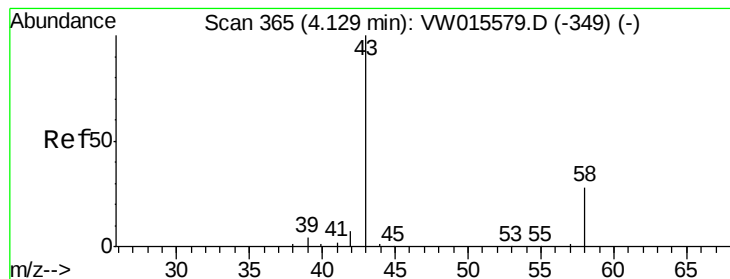
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061120\
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#13

Acetone

Concen: 43.304 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

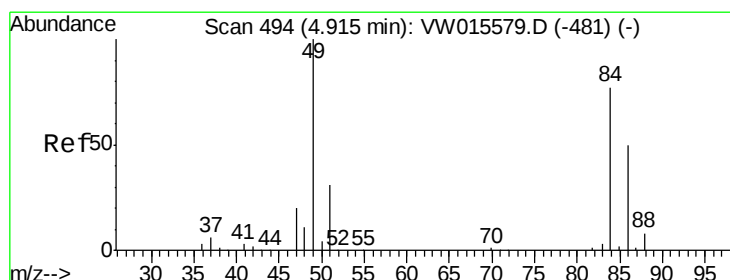
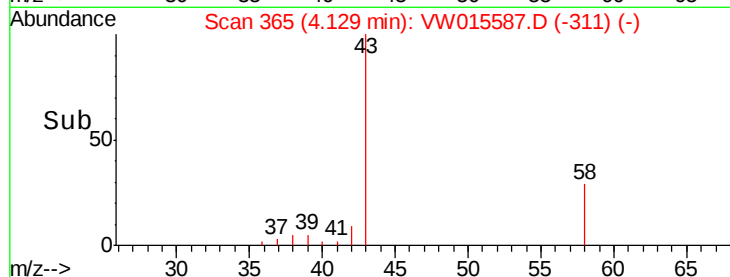
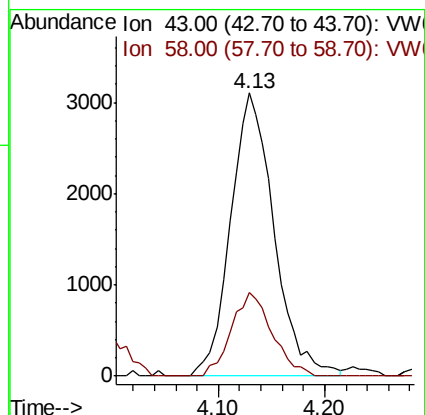
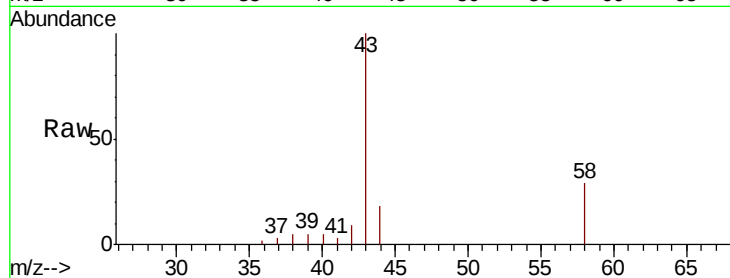
BG2K1RE

Tot Ion: 43 Resp: 8851

Ion Ratio Lower Upper

43 100

58 27.7 0.0 56.8



#16

Methylene chloride

Concen: 3.305 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

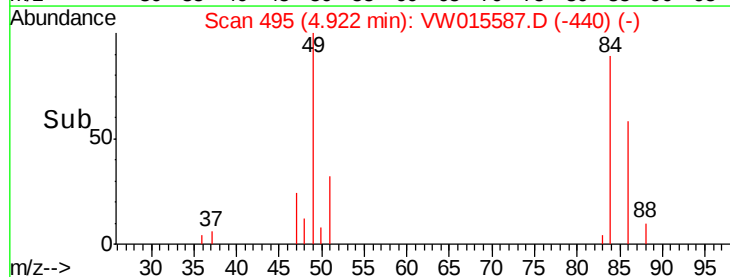
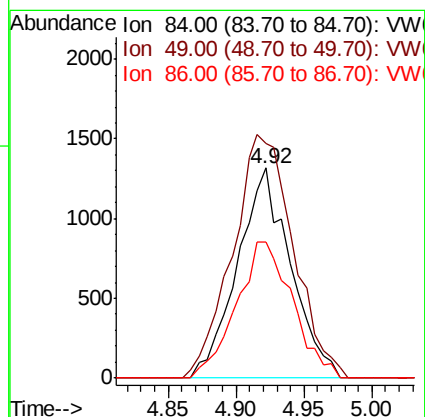
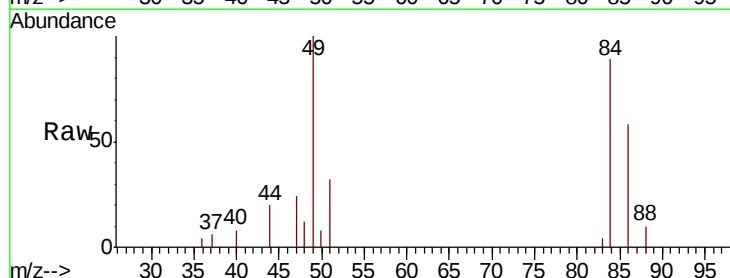
Tgt Ion: 84 Resp: 3584

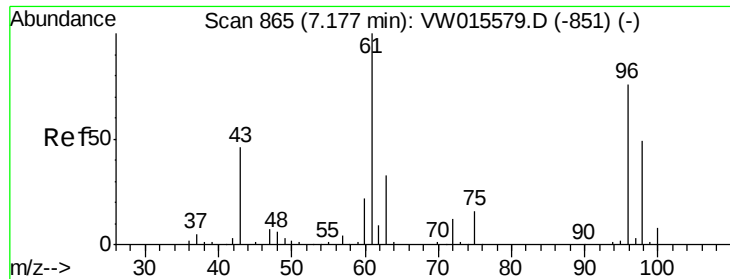
Ion Ratio Lower Upper

84 100

49 111.8 93.0 172.8

86 64.9 44.7 83.1





#21

2-Butanone

Concen: 15.246 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

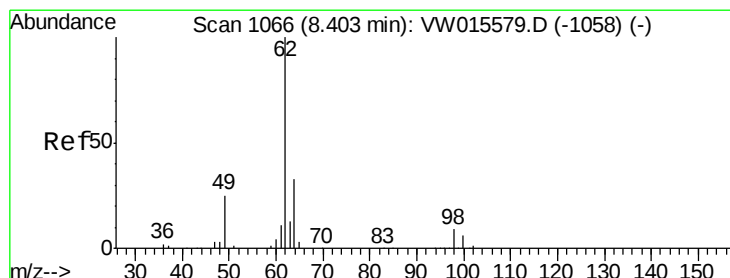
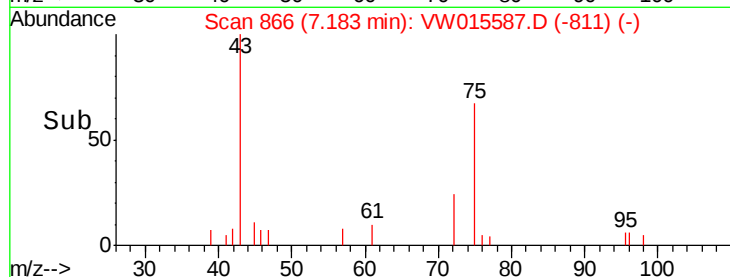
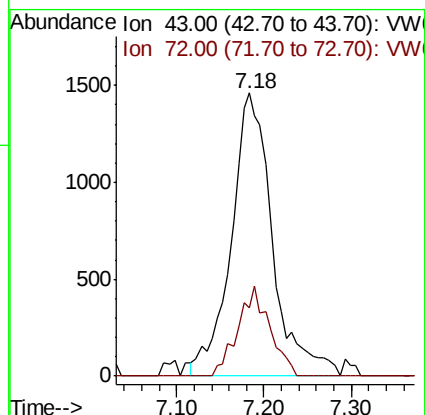
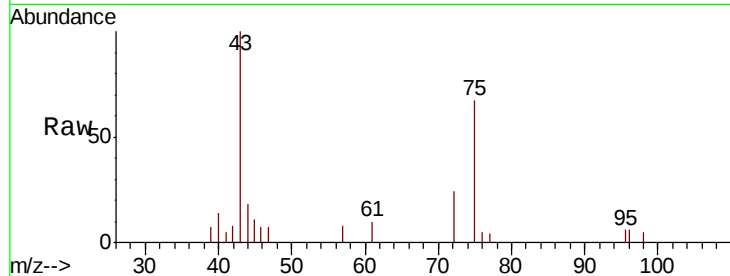
BG2K1RE

Tot Ion: 43 Resp: 4787

Ion Ratio Lower Upper

43 100

72 24.5 13.3 39.9



#27

1,2-Dichloroethane

Concen: 0.464 ug/L

RT: 8.27 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW015587.D

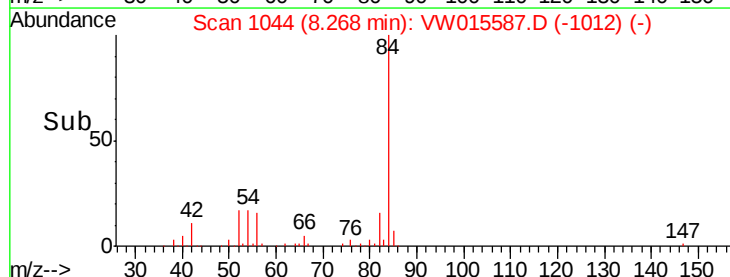
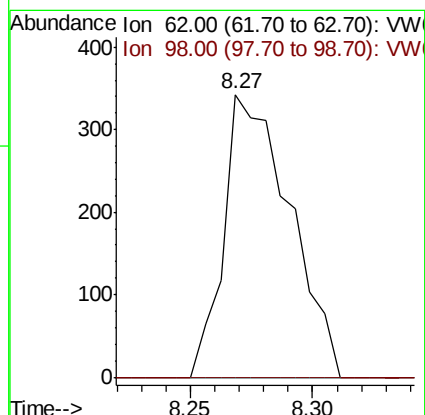
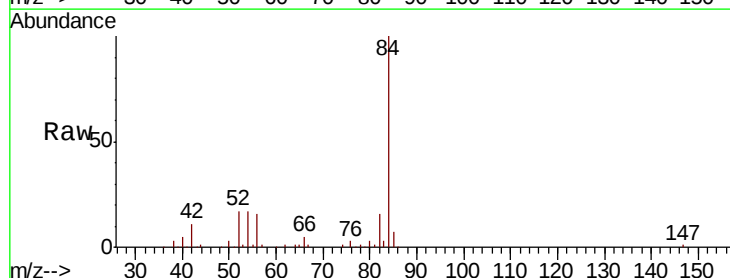
Acq: 11 Jun 2020 14:17

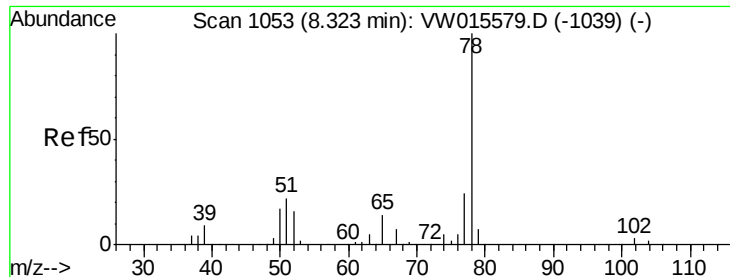
Tgt Ion: 62 Resp: 642

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#





#34

Benzene

Concen: 0.410 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

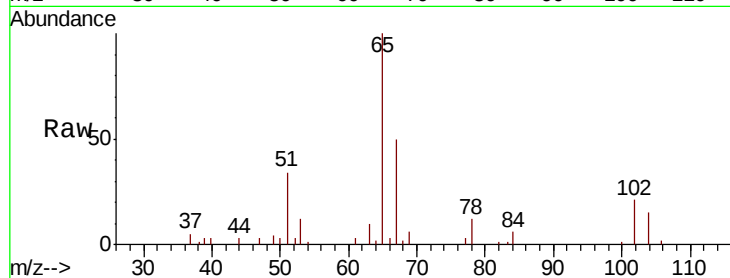
Instrument :

MSVOA_W

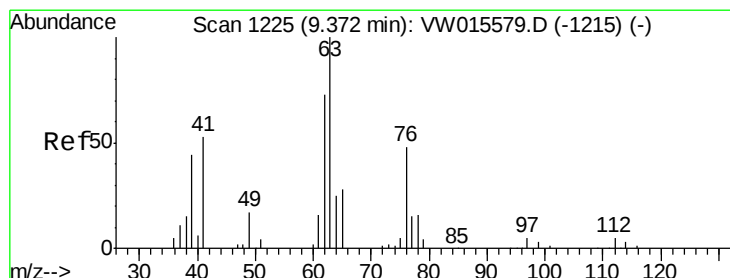
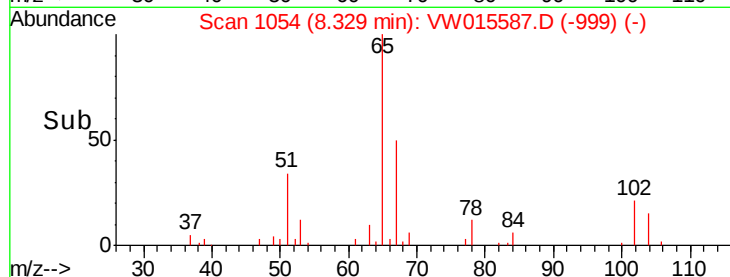
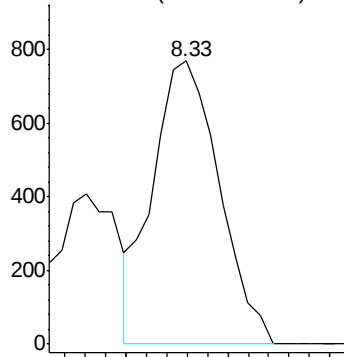
ClientSampleId :

BG2K1RE

Tgt Ion: 78 Resp: 1742



Abundance Ion 78.00 (77.70 to 78.70): VW



#40

1,2-Dichloropropane

Concen: 3.680 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW015587.D

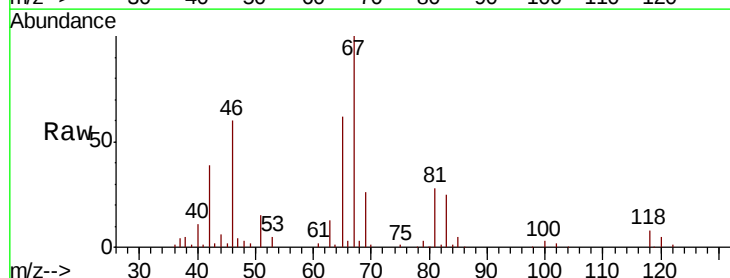
Acq: 11 Jun 2020 14:17

Tgt Ion: 63 Resp: 3852

Ion Ratio Lower Upper

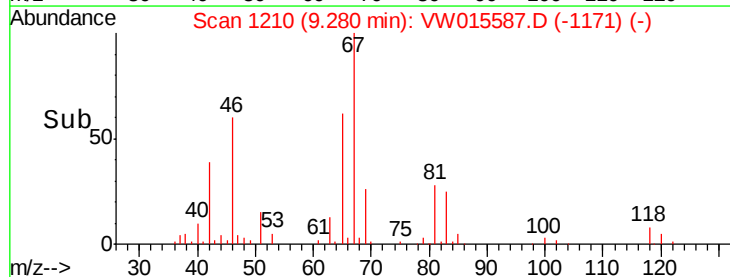
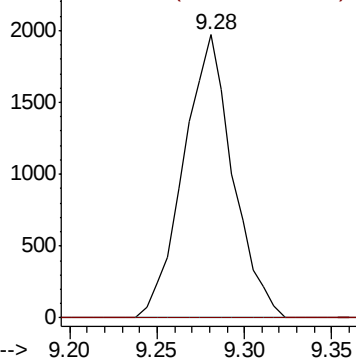
63 100

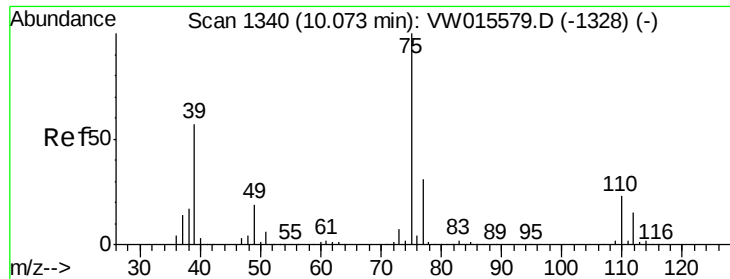
112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

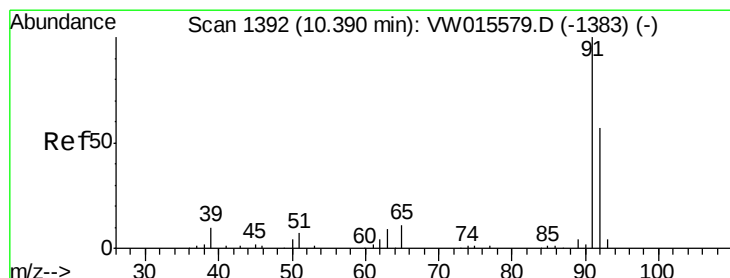
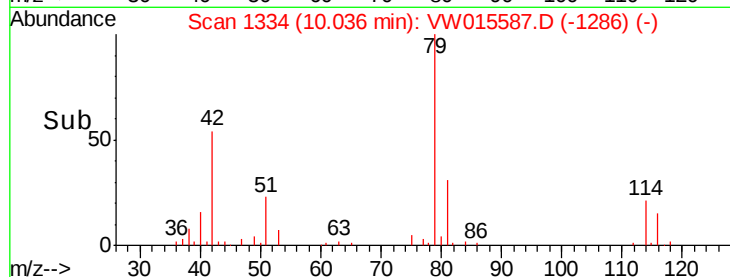
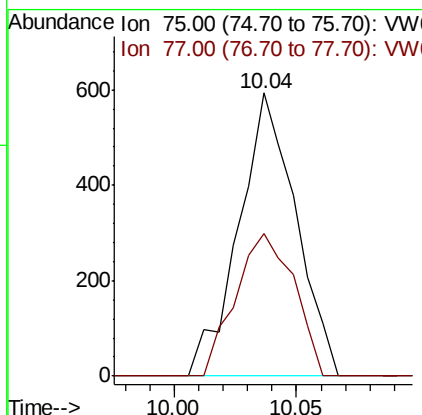
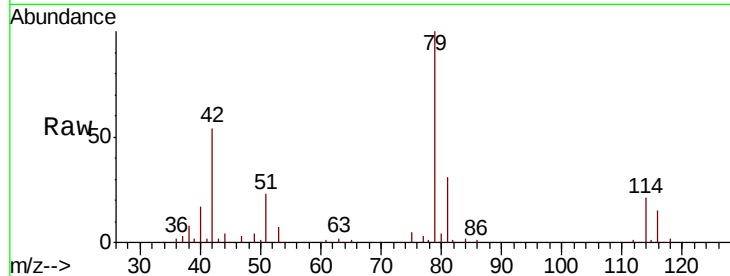




#42
 cis-1,3-Dichloropropene
 Concen: 0.576 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW015587.D
 Acq: 11 Jun 2020 14:17

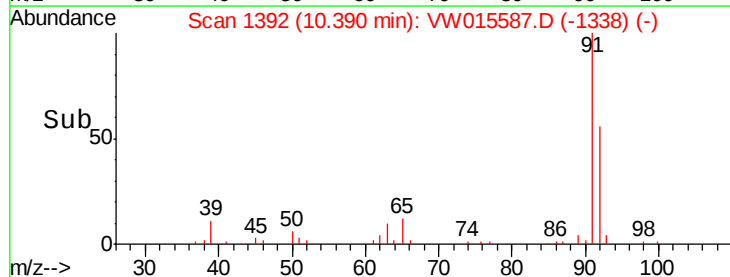
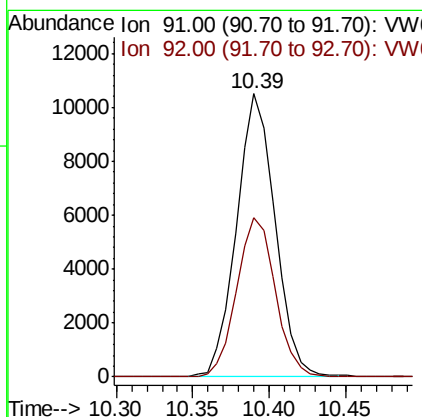
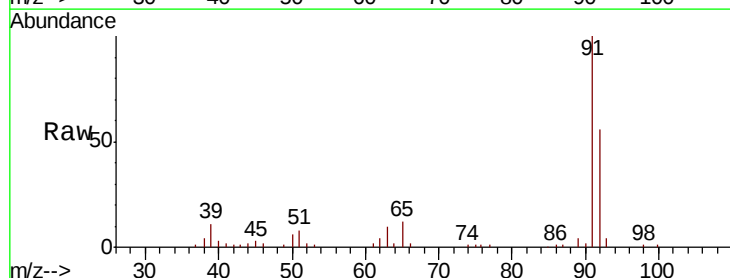
Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K1RE

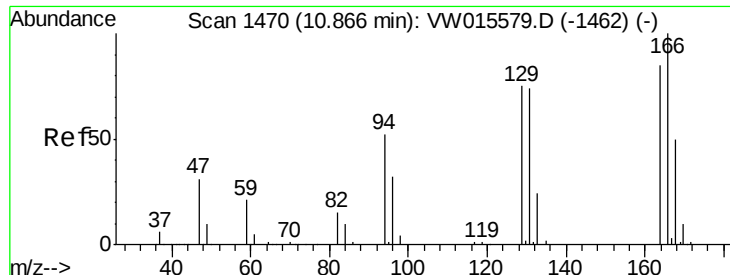
Tot Ion: 75 Resp: 965
 Ion Ratio Lower Upper
 75 100
 77 50.3 22.3 41.5#



#44
 Toluene
 Concen: 3.970 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW015587.D
 Acq: 11 Jun 2020 14:17

Tgt Ion: 91 Resp: 18386
 Ion Ratio Lower Upper
 91 100
 92 56.5 41.7 77.5





#47

Tetrachloroethene

Concen: 2.580 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015587.D

Acq: 11 Jun 2020 14:17

Instrument :

MSVOA_W

ClientSampleId :

BG2K1RE

Tot Ion:164 Resp: 2335

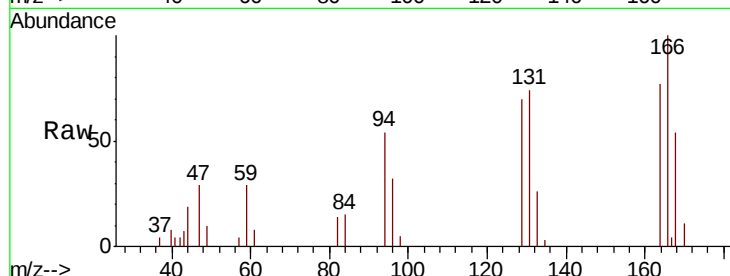
Ion Ratio Lower Upper

164 100

129 90.6 66.3 123.1

131 96.6 65.1 120.9

166 129.8 90.8 168.6

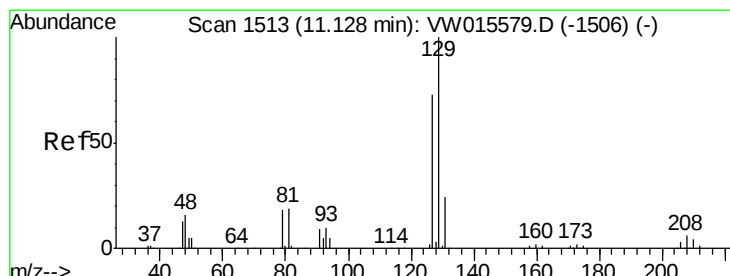
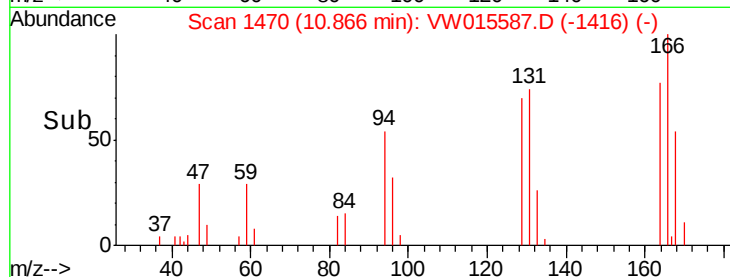
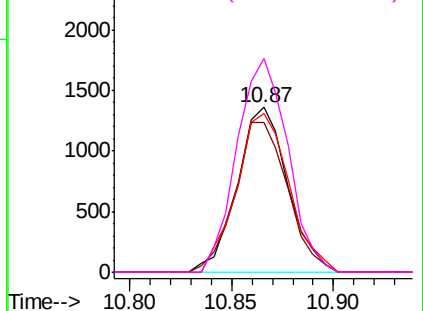


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.476 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW015587.D

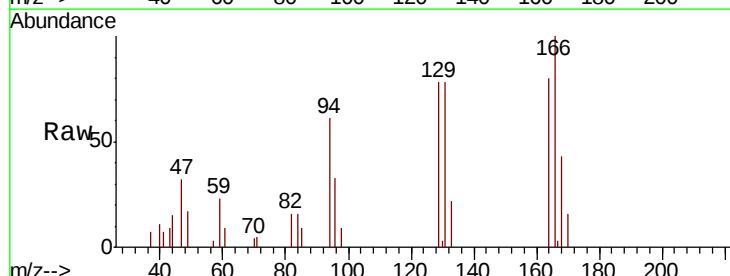
Acq: 11 Jun 2020 14:17

Tgt Ion:129 Resp: 2203

Ion Ratio Lower Upper

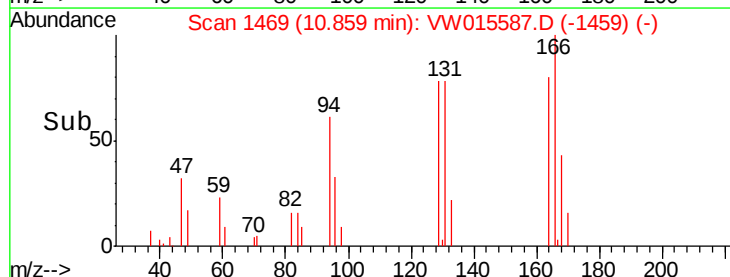
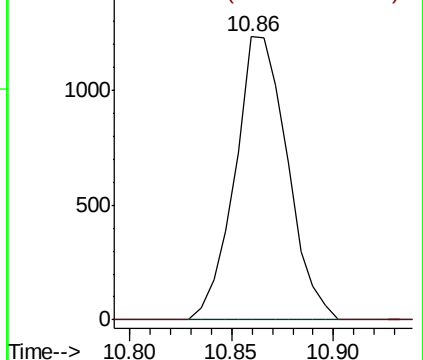
129 100

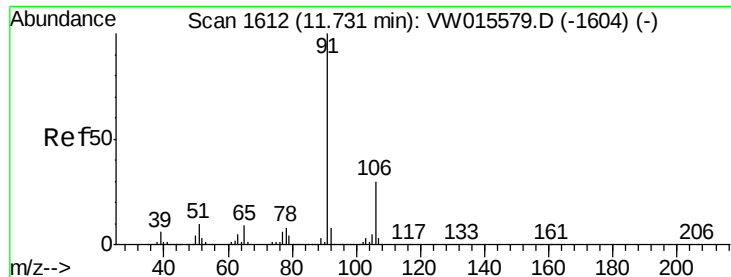
127 0.0 53.0 98.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

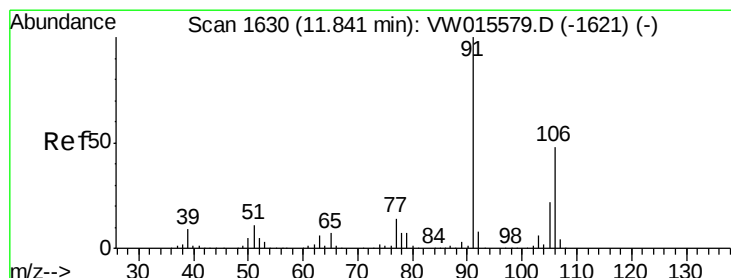
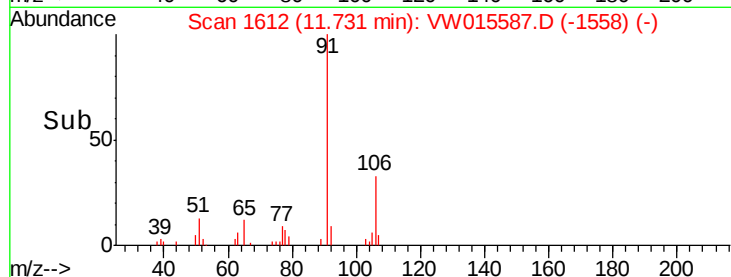
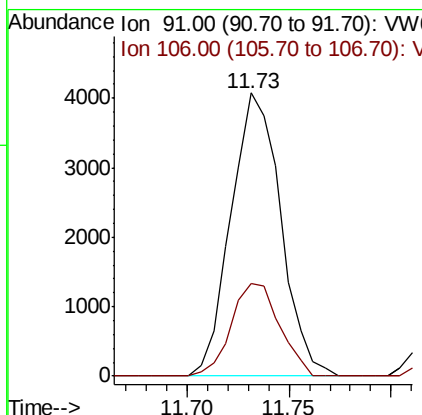
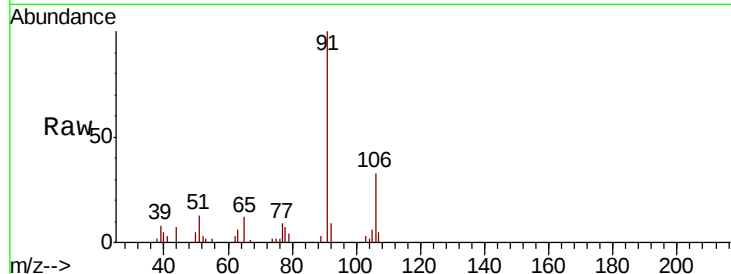




#53
Ethylbenzene
Concen: 1.298 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015587.D
Acq: 11 Jun 2020 14:17

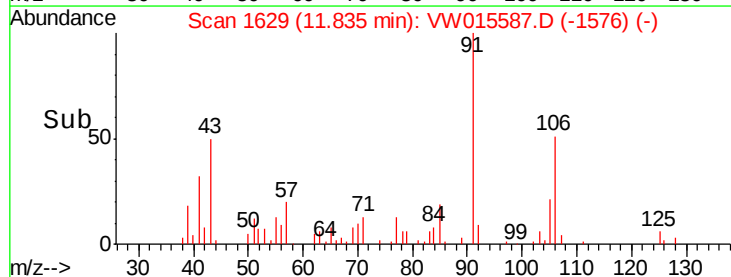
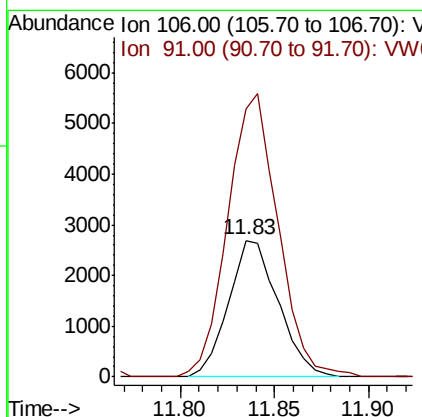
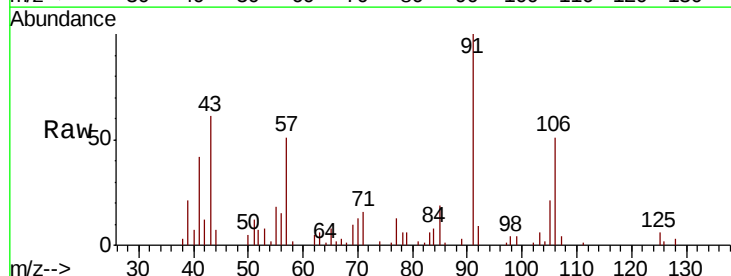
Instrument :
MSVOA_W
ClientSampleId :
BG2K1RE

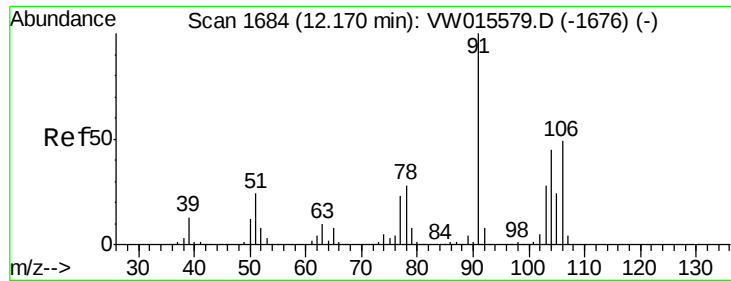
Tot Ion: 91 Resp: 6901
Ion Ratio Lower Upper
91 100
106 32.8 21.3 39.6



#54
m,p-Xylene
Concen: 2.473 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015587.D
Acq: 11 Jun 2020 14:17

Tgt Ion: 106 Resp: 4935
Ion Ratio Lower Upper
106 100
91 196.6 142.6 264.8

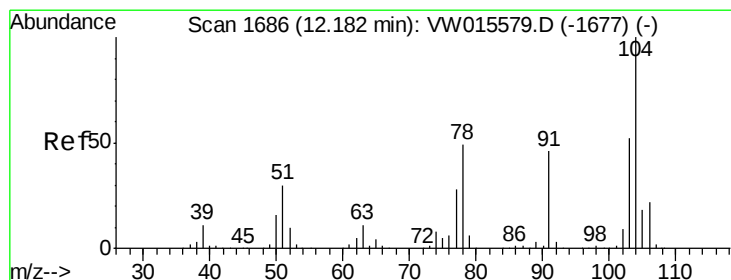
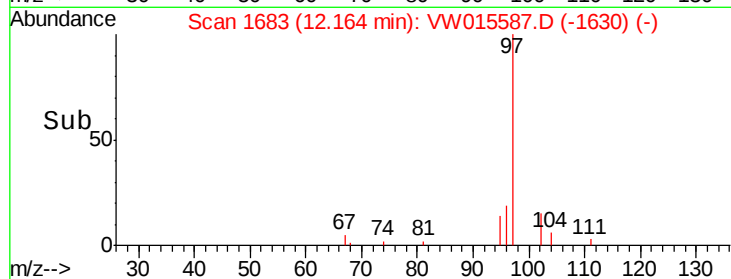
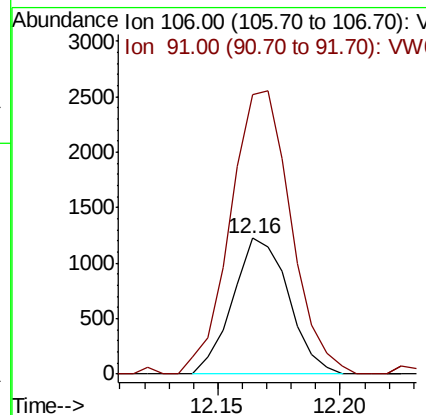
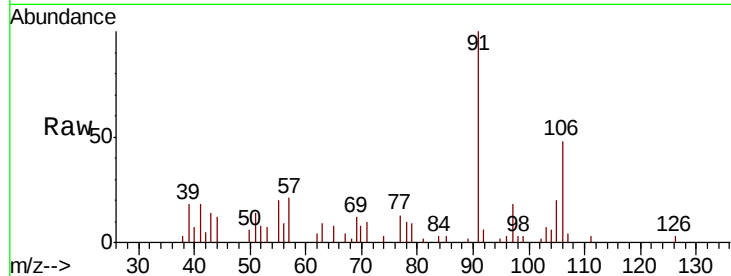




#55
o-xylene
Concen: 1.031 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW015587.D
Acq: 11 Jun 2020 14:17

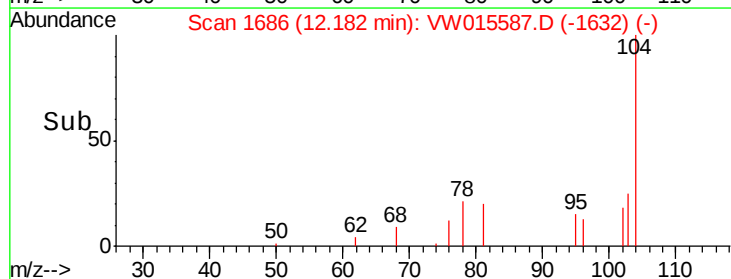
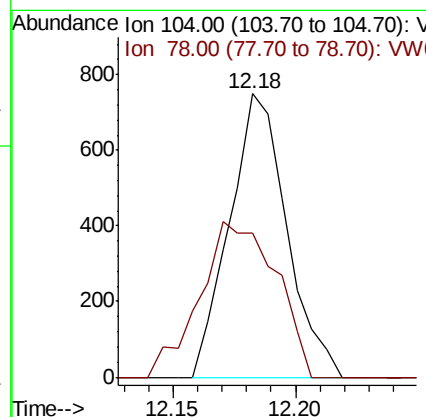
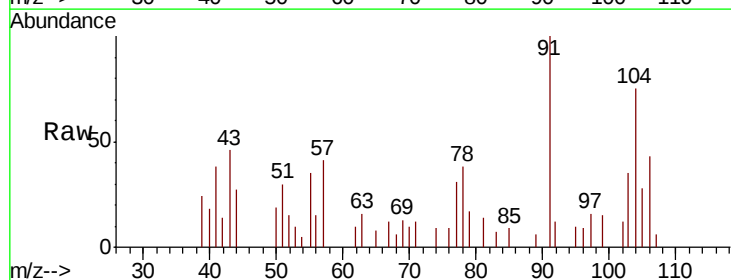
Instrument :
MSVOA_W
ClientSampled :
BG2K1RE

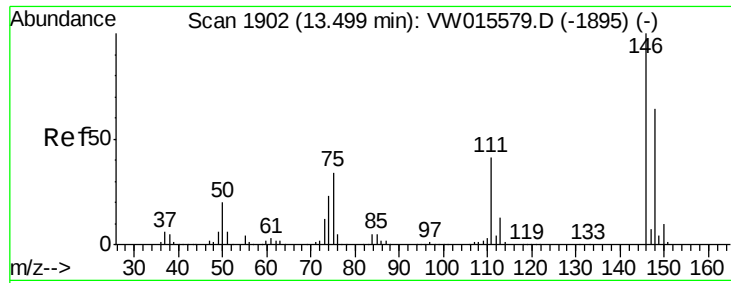
Tot Ion:106 Resp: 1953
Ion Ratio Lower Upper
106 100
91 206.2 149.0 276.6



#56
Styrene
Concen: 0.377 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015587.D
Acq: 11 Jun 2020 14:17

Tgt Ion:104 Resp: 1220
Ion Ratio Lower Upper
104 100
78 50.9 32.9 61.1

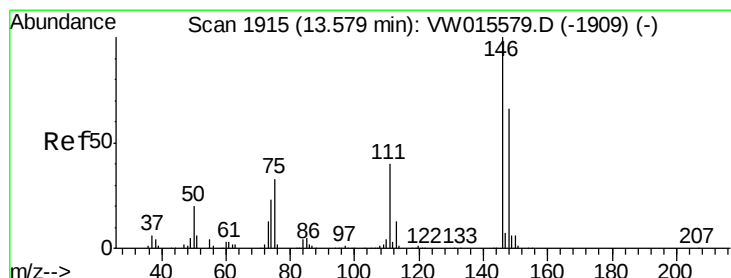
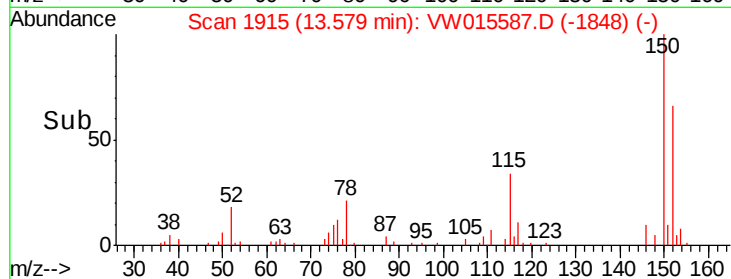
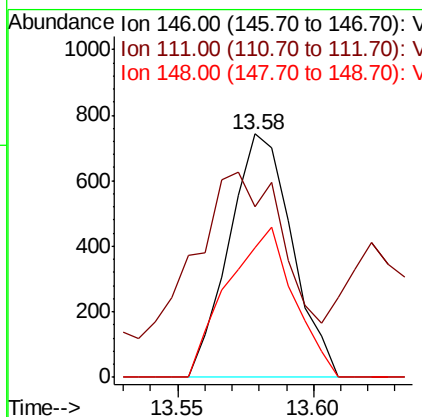
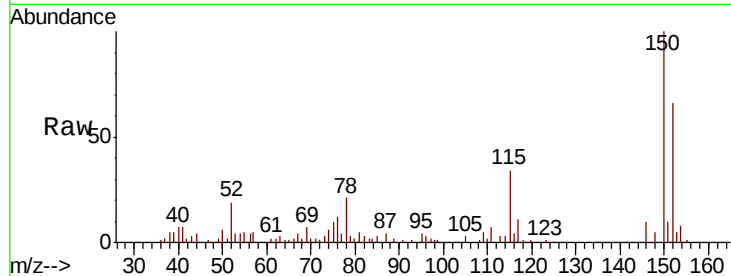




#63
 1,3-Dichlorobenzene
 Concen: 0.707 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.08 min
 Lab File: VW015587.D
 Acq: 11 Jun 2020 14:17

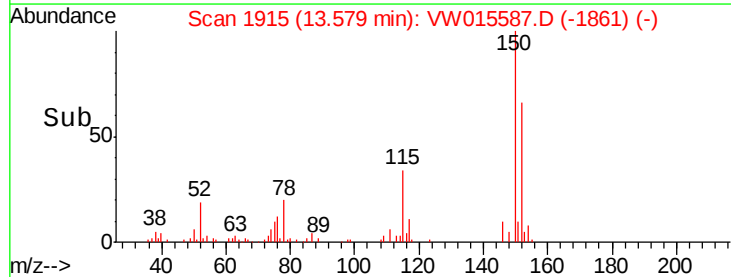
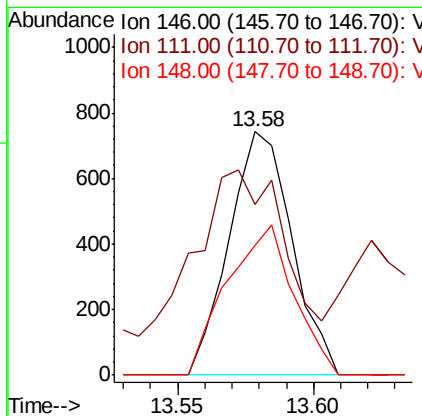
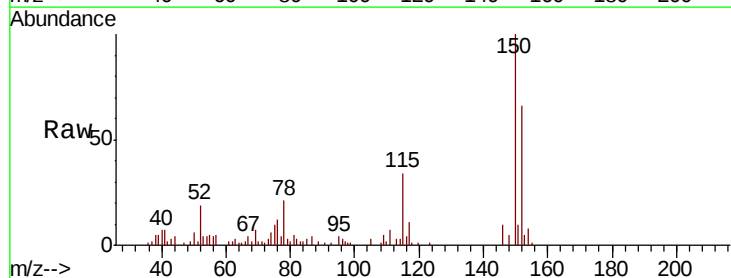
Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K1RE

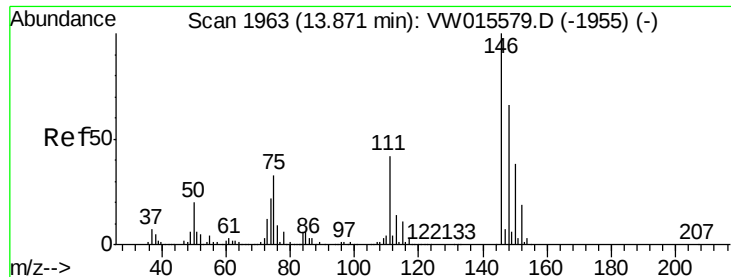
Tot Ion:146 Resp: 1190
 Ion Ratio Lower Upper
 146 100
 111 70.0 29.3 54.5#
 148 53.2 42.5 78.9



#64
 1,4-Dichlorobenzene
 Concen: 0.721 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015587.D
 Acq: 11 Jun 2020 14:17

Tgt Ion:146 Resp: 1190
 Ion Ratio Lower Upper
 146 100
 111 70.0 28.1 52.1#
 148 53.2 43.3 80.3

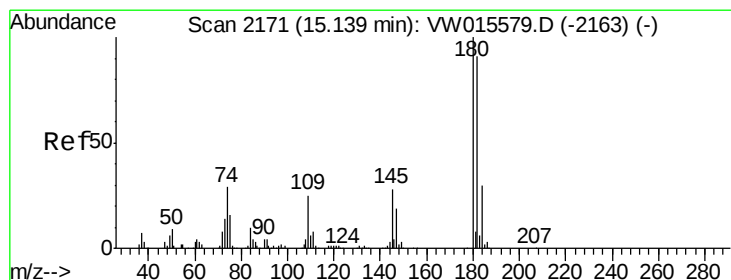
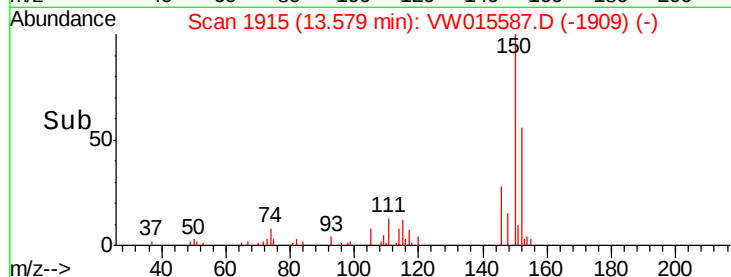
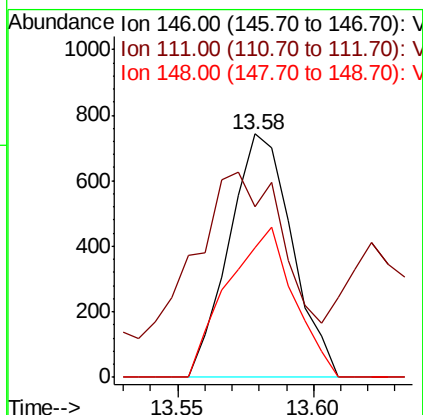
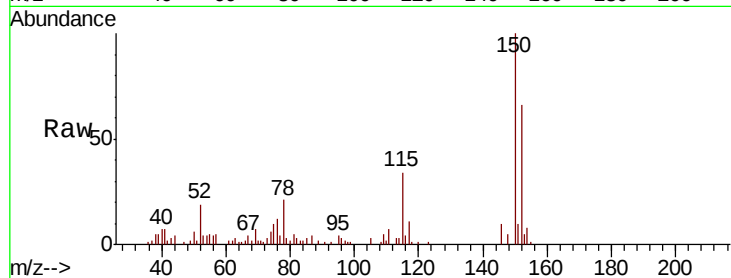




#65
 1,2-Dichlorobenzene
 Concen: 0.813 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.29 min
 Lab File: VW015587.D
 Acq: 11 Jun 2020 14:17

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K1RE

Tot Ion:146 Resp: 1190
 Ion Ratio Lower Upper
 146 100
 111 70.0 34.9 52.3#
 148 53.2 51.8 77.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.323 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW015587.D
 Acq: 11 Jun 2020 14:17

Tgt Ion:180 Resp: 303
 Ion Ratio Lower Upper
 180 100
 182 88.8 76.1 114.1
 145 185.1 25.2 37.8#

