

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\
 Data File : VW017182.D
 Acq On : 12 Nov 2020 14:10
 Operator : SY/VA
 Sample : L4693-16
 Misc : 4.78G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E2

Quant Time: Nov 13 04:19:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 13 04:11:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	446440	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	384642	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	148478	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	128142	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.16%
7) Chloroethane-d5	2.89	69	107430	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.16%
10) 1,1-Dichloroethene-d2	4.02	63	172010	17.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.40%
20) 2-Butanone-d5	7.08	46	47724	37.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.90%
24) Chloroform-d	7.65	84	254707	24.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.76%
26) 1,2-Dichloroethane-d4	8.31	65	128164	24.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.96%
29) Benzene-d6	8.28	84	504535	25.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.04%
33) 1,2-Dichloropropane-d6	9.27	67	140779	25.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.92%
37) Toluene-d8	10.33	98	469652	25.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.72%
38) trans-1,3-Dichloropropene-	10.58	79	52437	21.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.88%
39) 2-Hexanone-d5	10.93	63	36654	38.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	104754	22.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	131123	25.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.28%

Target Compounds

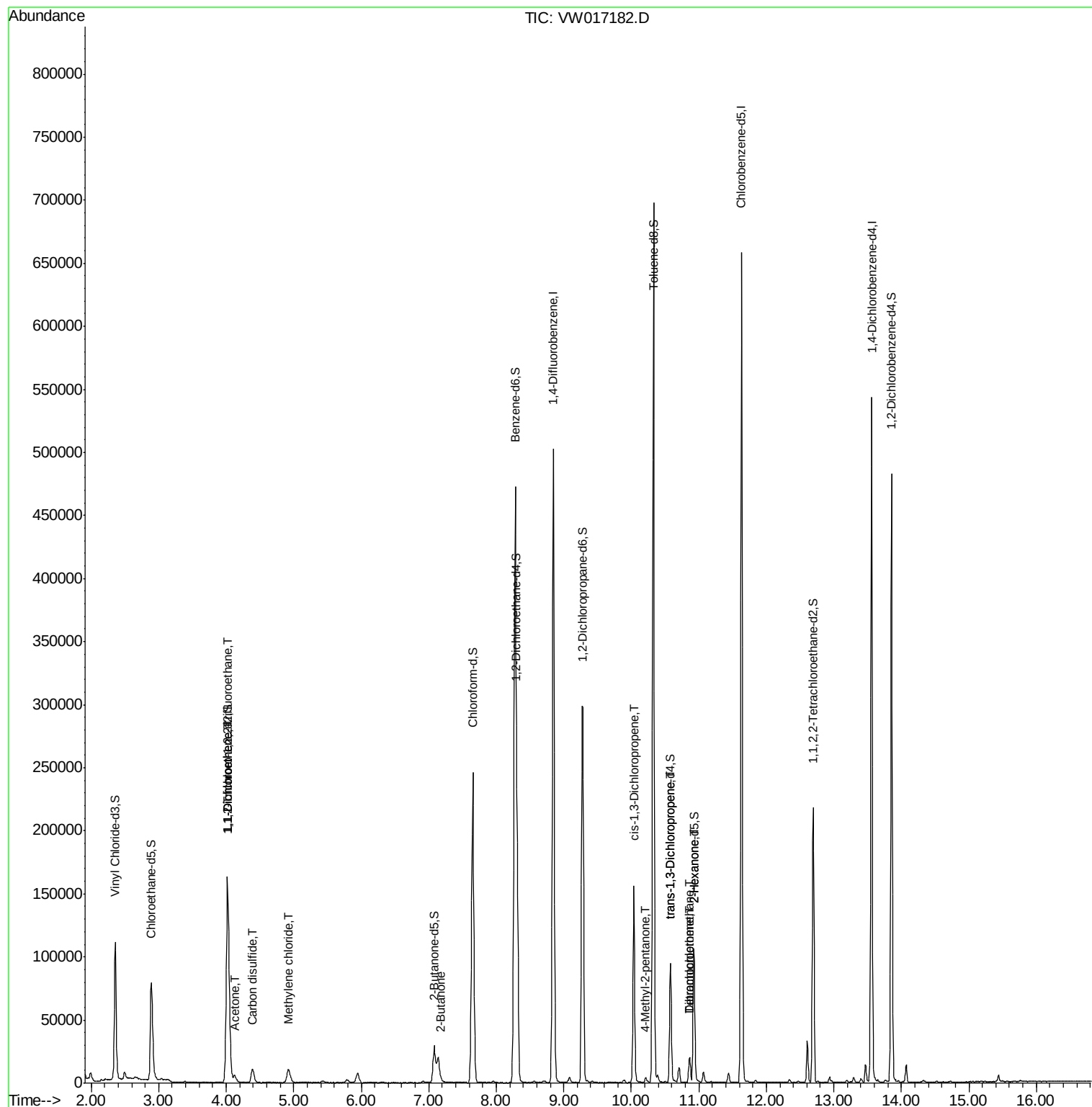
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	1764	0.306	ug/L #	17
12) 1,1-Dichloroethene	4.01	96	1566	0.283	ug/L #	1
13) Acetone	4.12	43	8397	9.973	ug/L	95
14) Carbon disulfide	4.39	76	23166	1.536	ug/L	97
16) Methylene chloride	4.92	84	10195	1.694	ug/L	97
21) 2-Butanone	7.18	43	1738	1.286	ug/L	79
42) cis-1,3-Dichloropropene	10.04	75	3903	0.522	ug/L #	62
43) 4-Methyl-2-pentanone	10.21	43	2626	0.902	ug/L	95
45) trans-1,3-Dichloropropene	10.58	75	2571	0.400	ug/L	87
47) Tetrachloroethene	10.86	164	4759	0.932	ug/L	95
49) 2-Hexanone	10.93	43	4282	2.438	ug/L #	65
50) Dibromochloromethane	10.87	129	4241	0.855	ug/L #	11

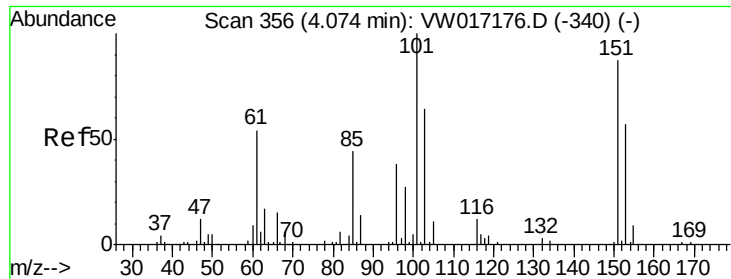
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 13 04:11:30 2020
Response via : Initial Calibration





#11

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

Concen: 0.306 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.04 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

BG4E2

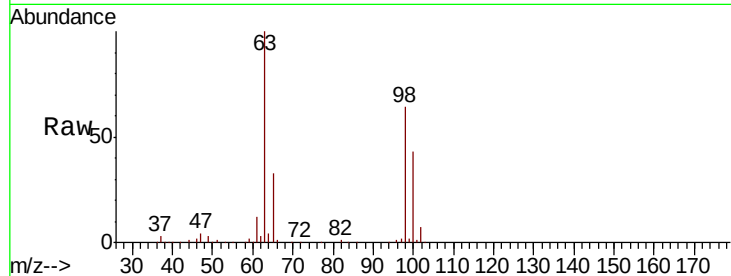
Tot Ion:101 Resp: 1764

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

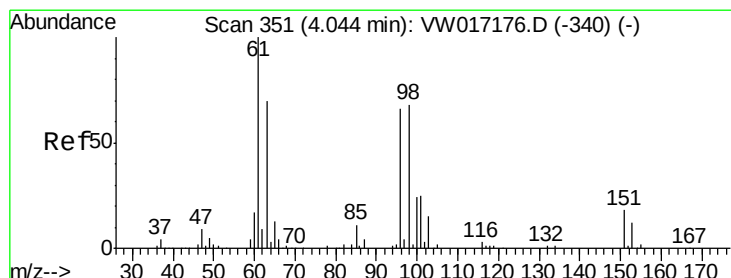
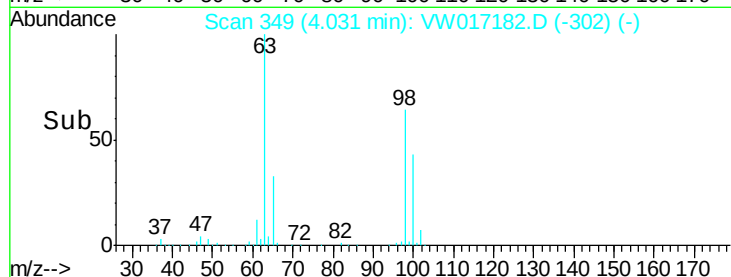
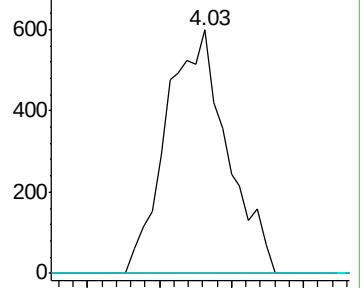
151 0.0 65.4 98.2#



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: 0.283 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.03 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

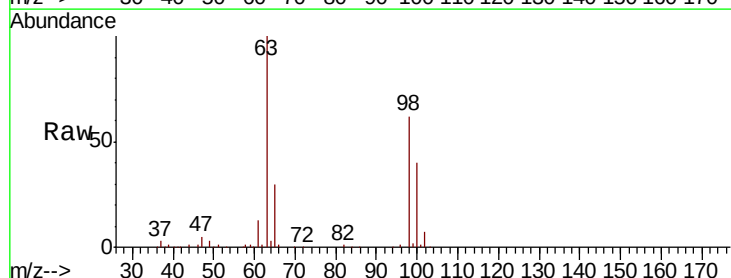
Tgt Ion: 96 Resp: 1566

Ion Ratio Lower Upper

96 100

61 1150.5 103.8 192.8#

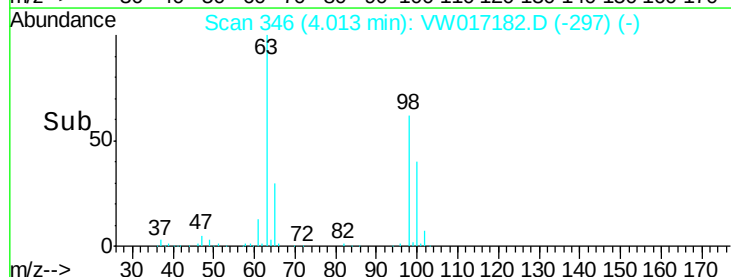
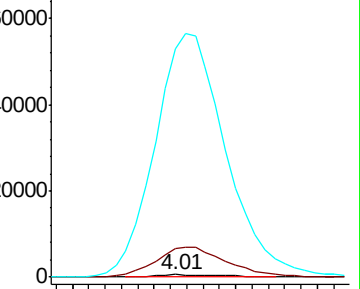
63 9124.1 84.4 156.7#

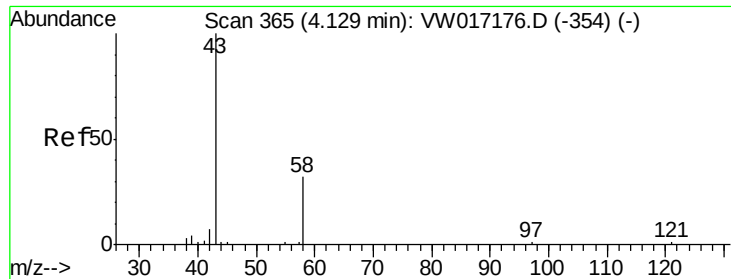


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.973 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

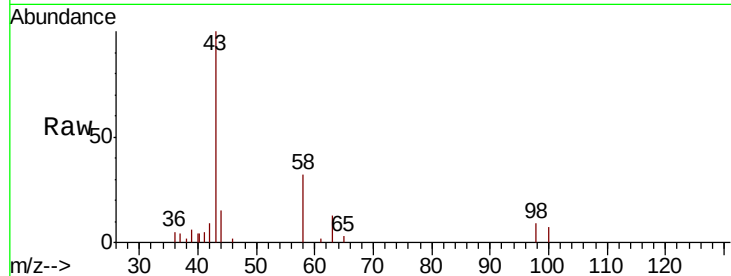
BG4E2

Tot Ion: 43 Resp: 8397

Ion Ratio Lower Upper

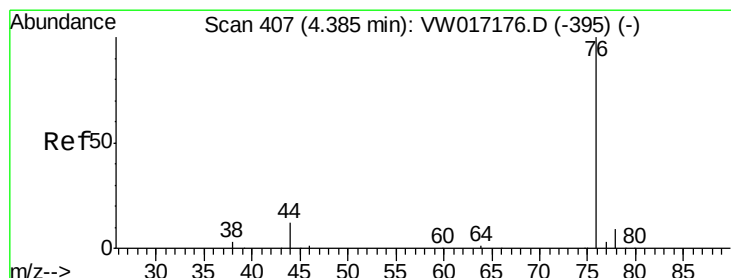
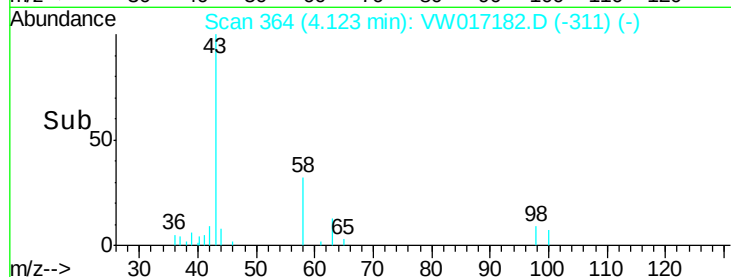
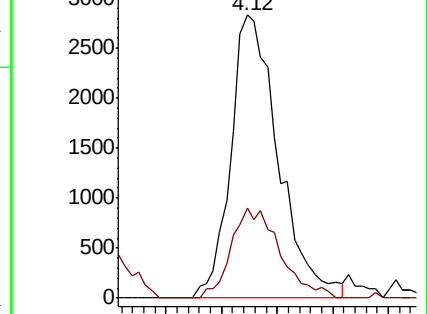
43 100

58 31.8 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.536 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW017182.D

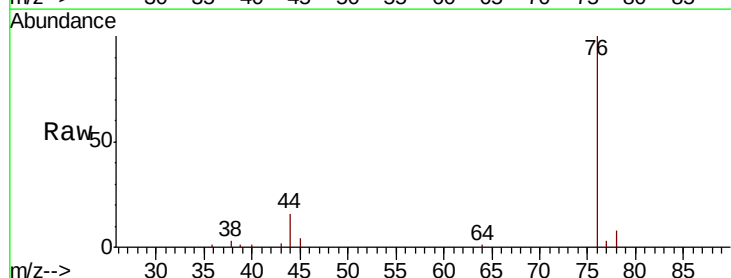
Acq: 12 Nov 2020 14:10

Tgt Ion: 76 Resp: 23166

Ion Ratio Lower Upper

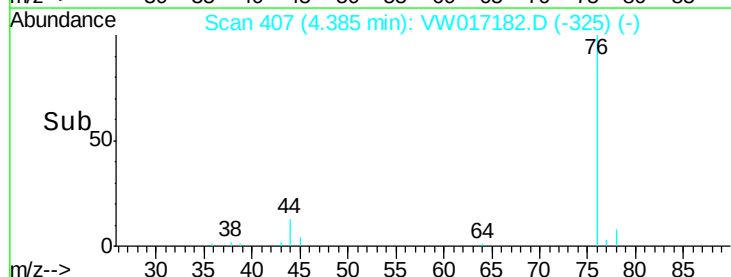
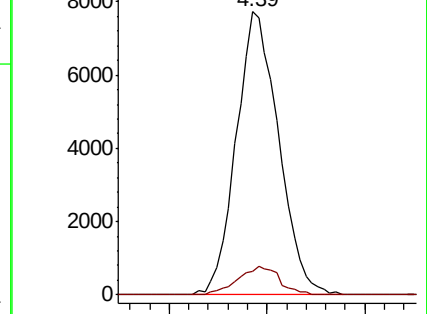
76 100

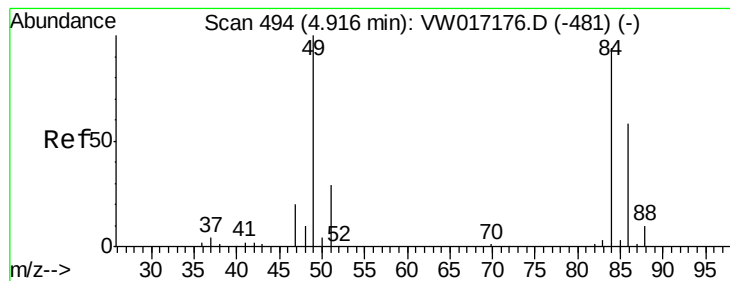
78 8.4 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 1.694 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

Instrument :

MSVOA_W

ClientSampled :

BG4E2

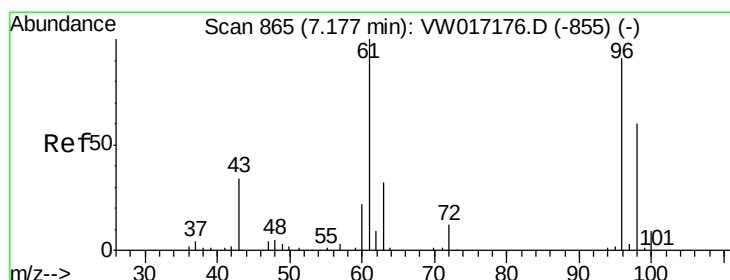
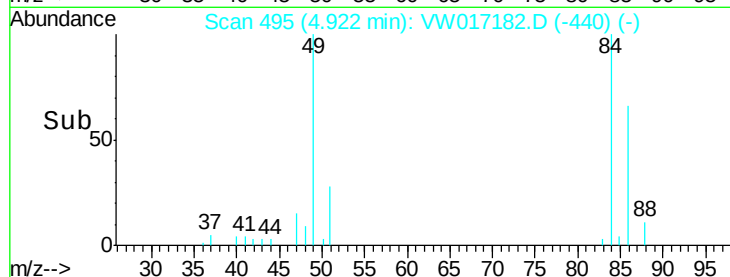
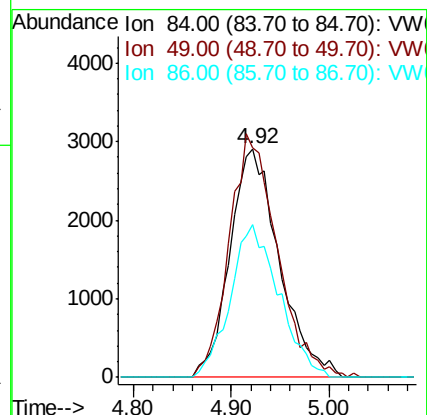
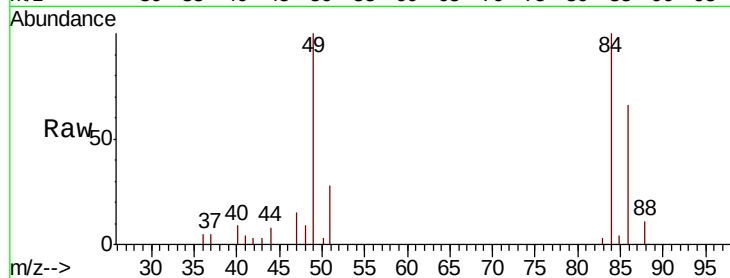
Tot Ion: 84 Resp: 10195

Ion Ratio Lower Upper

84 100

49 100.4 72.3 134.3

86 66.6 45.1 83.7



#21

2-Butanone

Concen: 1.286 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017182.D

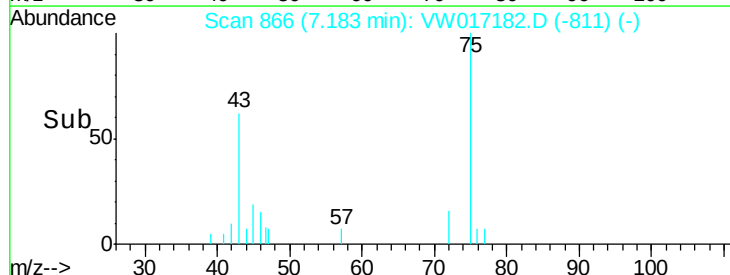
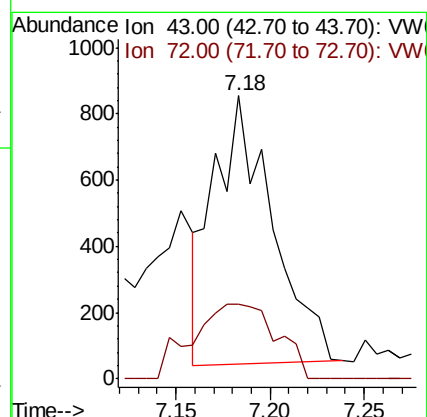
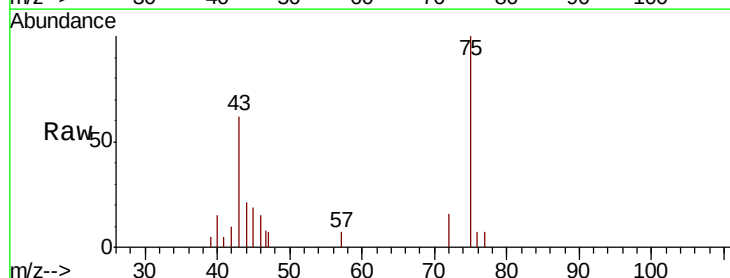
Acq: 12 Nov 2020 14:10

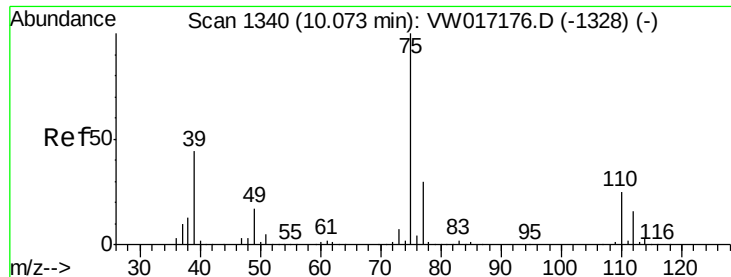
Tgt Ion: 43 Resp: 1738

Ion Ratio Lower Upper

43 100

72 20.4 16.1 48.3





#42

cis-1,3-Dichloropropene

Concen: 0.522 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

Instrument :

MSVOA_W

ClientSampled :

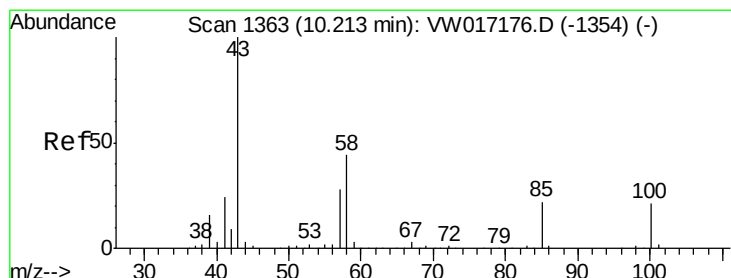
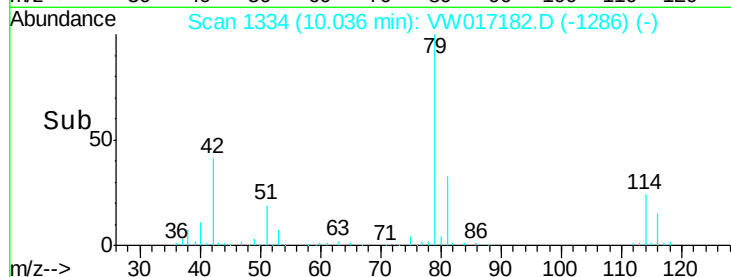
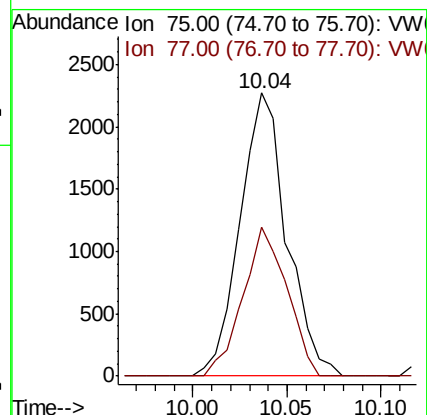
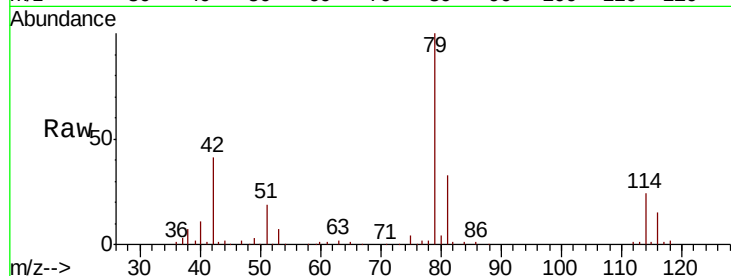
BG4E2

Tot Ion: 75 Resp: 3903

Ion Ratio Lower Upper

75 100

77 52.6 22.0 41.0#



#43

4-Methyl-2-pentanone

Concen: 0.902 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

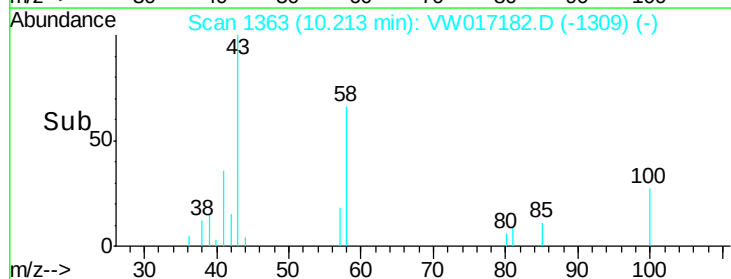
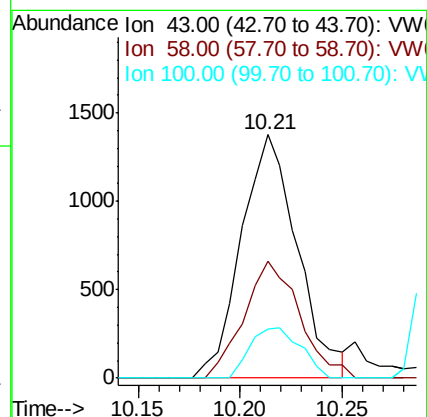
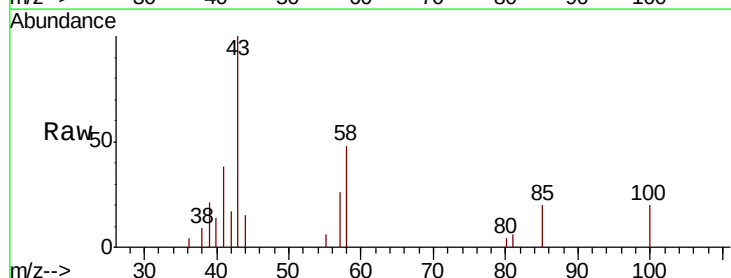
Tgt Ion: 43 Resp: 2626

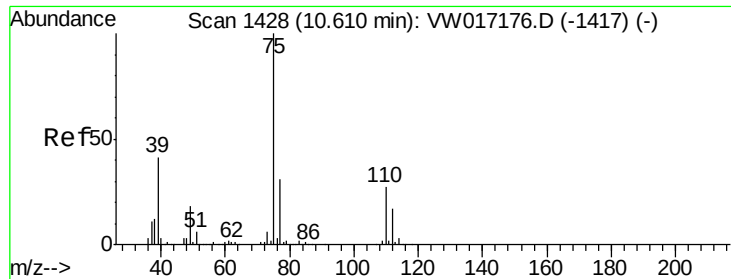
Ion Ratio Lower Upper

43 100

58 47.7 35.0 52.6

100 18.7 16.6 24.8





#45

trans-1,3-Dichloropropene

Concen: 0.400 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

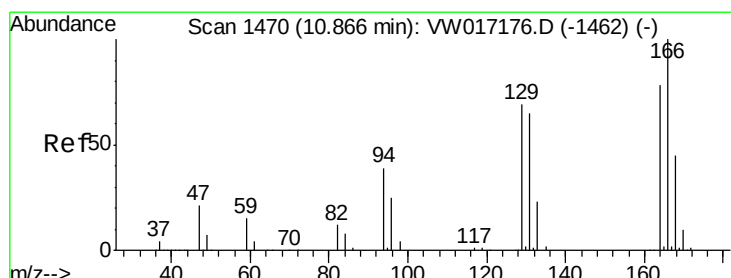
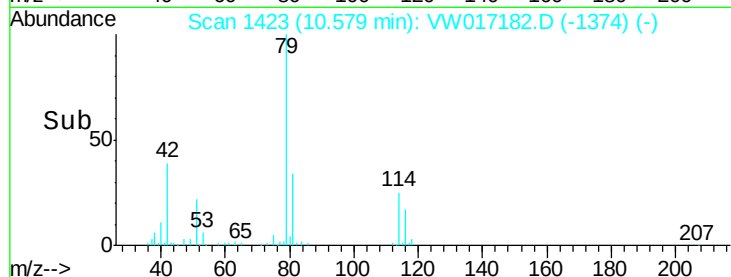
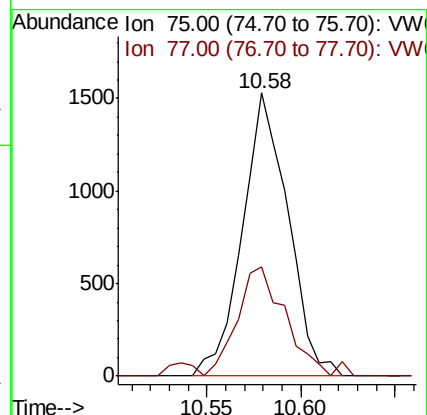
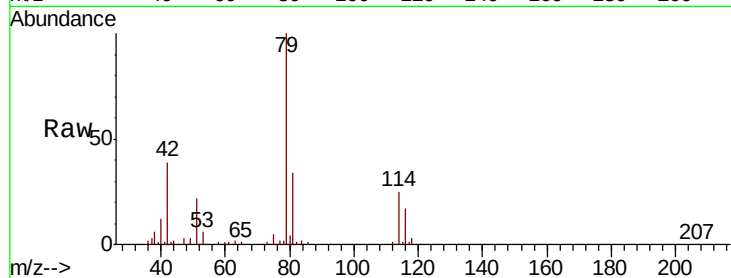
BG4E2

Tot Ion: 75 Resp: 2571

Ion Ratio Lower Upper

75 100

77 38.7 22.1 41.1



#47

Tetrachloroethene

Concen: 0.932 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017182.D

Acq: 12 Nov 2020 14:10

Tgt Ion: 164 Resp: 4759

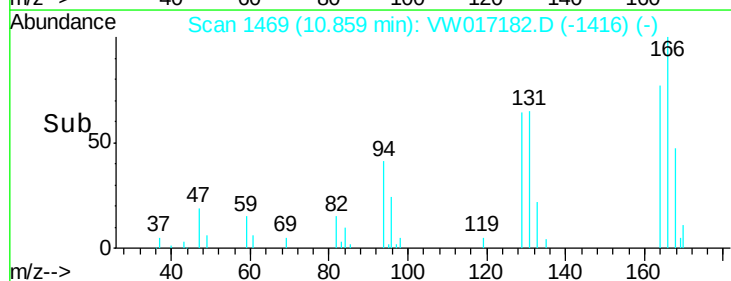
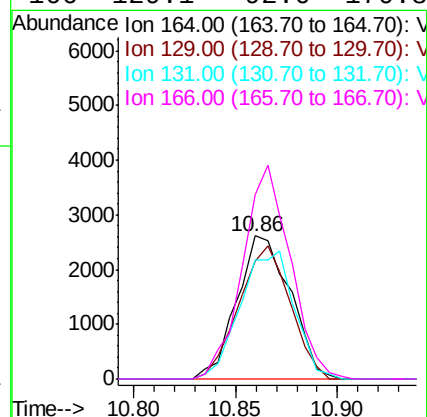
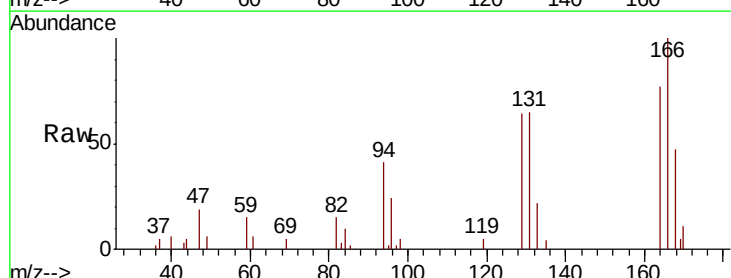
Ion Ratio Lower Upper

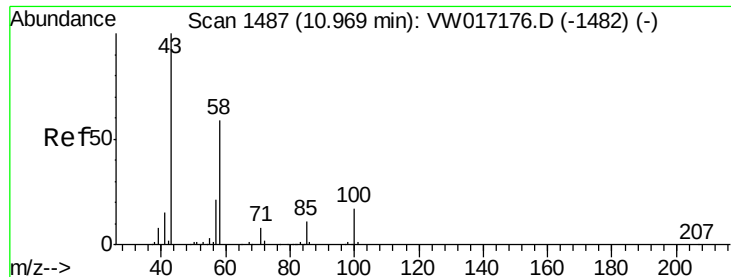
164 100

129 82.0 62.9 116.7

131 83.5 63.3 117.5

166 129.1 92.0 170.8

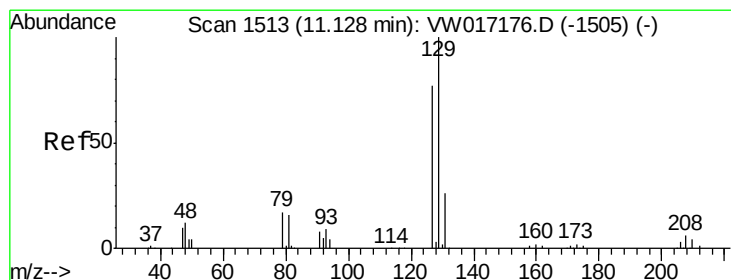
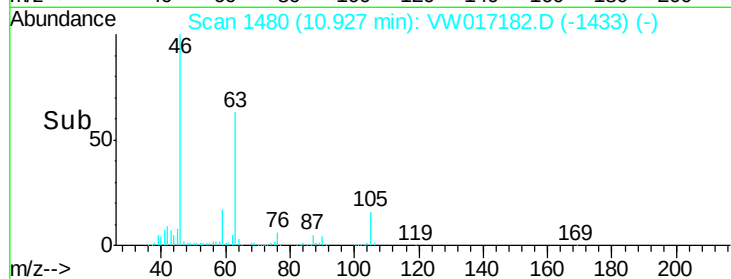
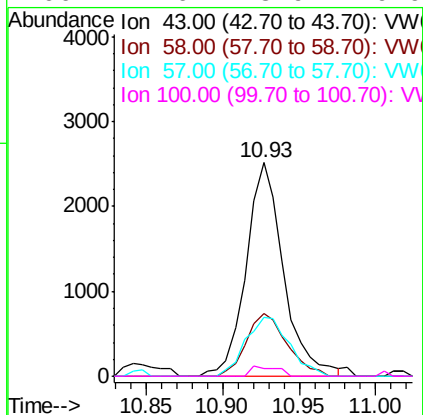
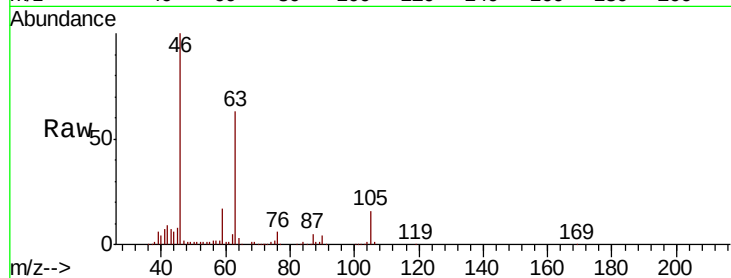




#49
2-Hexanone
Concen: 2.438 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW017182.D
Acq: 12 Nov 2020 14:10

Instrument :
MSVOA_W
ClientSampleId :
BG4E2

Tot Ion:	43	Resp:	4282
Ion	Ratio	Lower	Upper
43	100		
58	32.0	50.6	75.8#
57	32.1	17.8	26.6#
100	2.6	13.9	20.9#



#50
Dibromochloromethane
Concen: 0.855 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW017182.D
Acq: 12 Nov 2020 14:10

Tgt Ion:	129	Resp:	4241
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.3	100.9#

