

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
 Data File : VW017173.D
 Acq On : 11 Nov 2020 18:55
 Operator : SY/VA
 Sample : L4693-18
 Misc : 5.33G/10ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E4

Quant Time: Nov 12 03:17:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 03:07:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	494831	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	444216	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	178254	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	124260	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.76%
7) Chloroethane-d5	2.89	69	103425	21.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.12%
10) 1,1-Dichloroethene-d2	4.02	63	168782	15.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.56%
20) 2-Butanone-d5	7.09	46	39750	28.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.04%
24) Chloroform-d	7.65	84	241818	20.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.72%
26) 1,2-Dichloroethane-d4	8.31	65	116005	20.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.80%
29) Benzene-d6	8.28	84	482513	21.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.32%
33) 1,2-Dichloropropane-d6	9.28	67	132634	21.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.80%
37) Toluene-d8	10.33	98	457281	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.76%
38) trans-1,3-Dichloropropene-	10.58	79	48355	17.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.56%
39) 2-Hexanone-d5	10.93	63	31795	29.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93228	17.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	139065	22.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.56%

Target Compounds

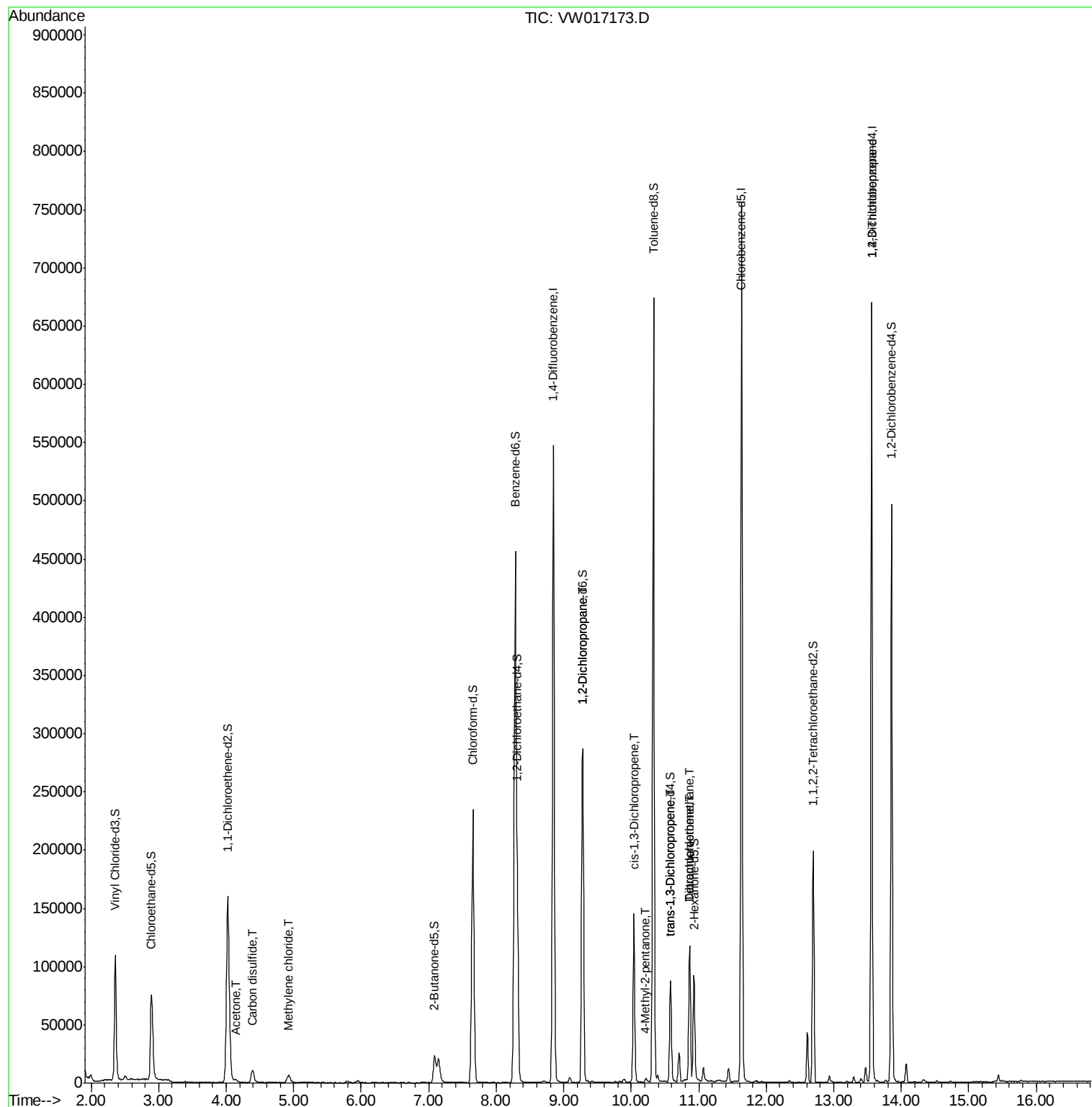
					Ovalue
13) Acetone	4.14	43	4680	5.015	ug/L 99
14) Carbon disulfide	4.39	76	24749	1.481	ug/L 98
16) Methylene chloride	4.93	84	5896	0.884	ug/L 92
40) 1,2-Dichloropropane	9.28	63	15096	2.769	ug/L # 85
42) cis-1,3-Dichloropropene	10.04	75	3835	0.444	ug/L # 83
43) 4-Methyl-2-pentanone	10.22	43	2592	0.770	ug/L # 91
45) trans-1,3-Dichloropropene	10.58	75	2163	0.292	ug/L 83
47) Tetrachloroethene	10.87	164	26117	4.430	ug/L 94
50) Dibromochloromethane	10.87	129	24746	4.321	ug/L # 11
59) 1,2,3-Trichloropropane	13.56	75	18927	4.848	ug/L 92

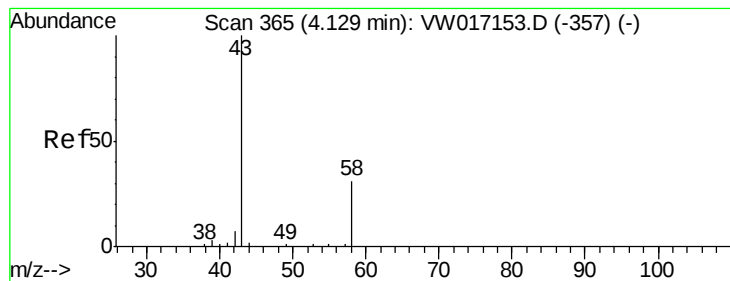
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 12 03:07:51 2020
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#13

Acetone

Concen: 5.015 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017173.D

Acq: 11 Nov 2020 18:55

Instrument :

MSVOA_W

ClientSampled :

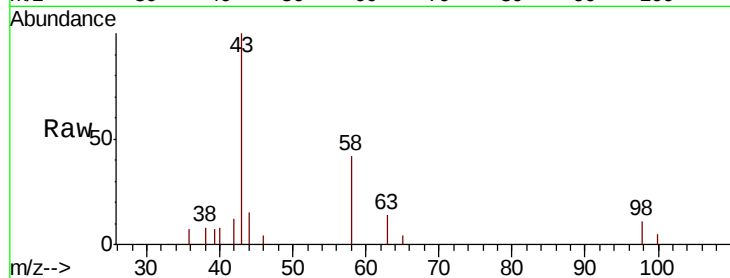
BG4E4

Tot Ion: 43 Resp: 4680

Ion Ratio Lower Upper

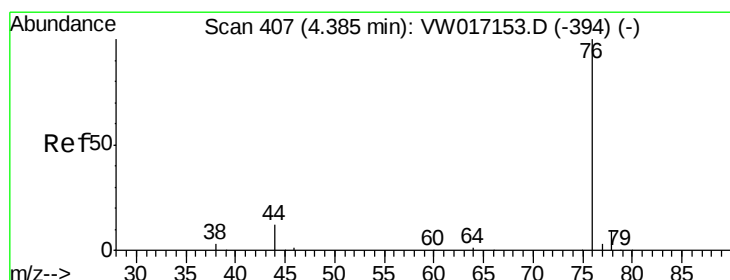
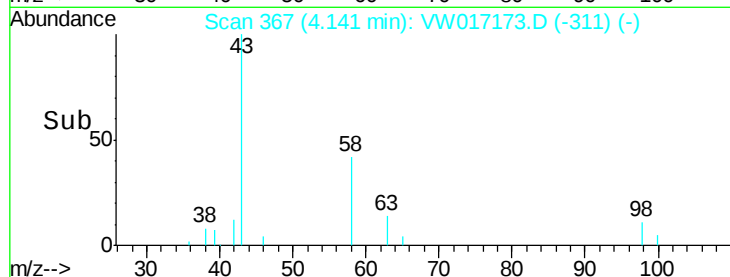
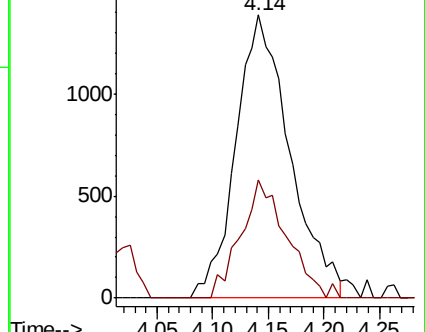
43 100

58 35.1 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: 1.481 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017173.D

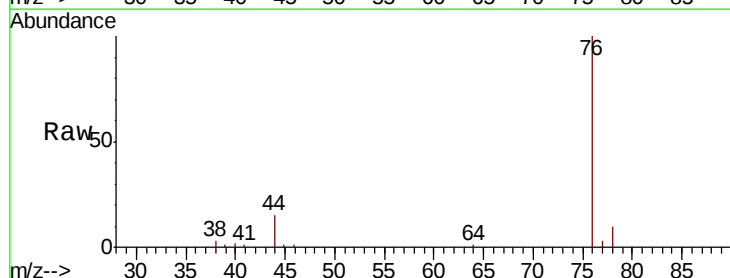
Acq: 11 Nov 2020 18:55

Tgt Ion: 76 Resp: 24749

Ion Ratio Lower Upper

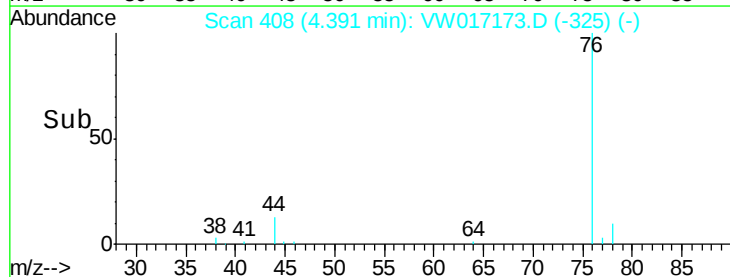
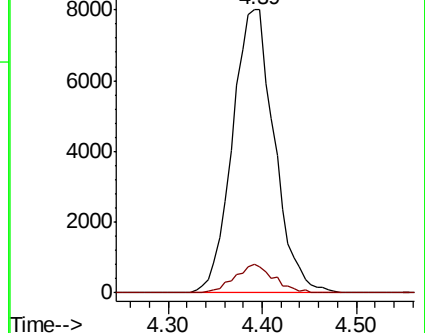
76 100

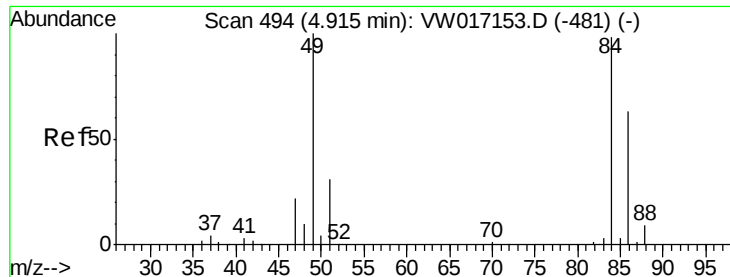
78 10.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

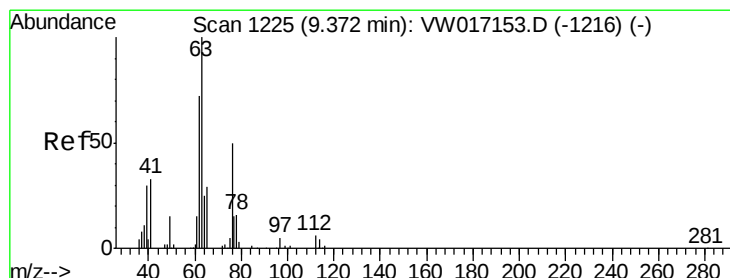
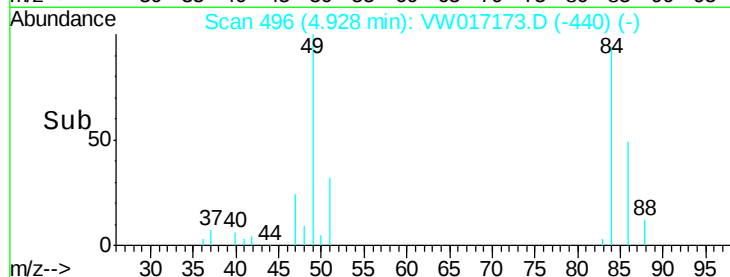
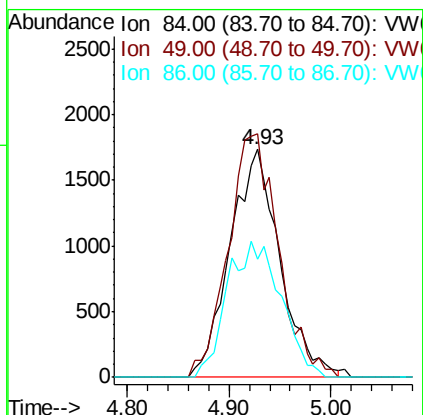
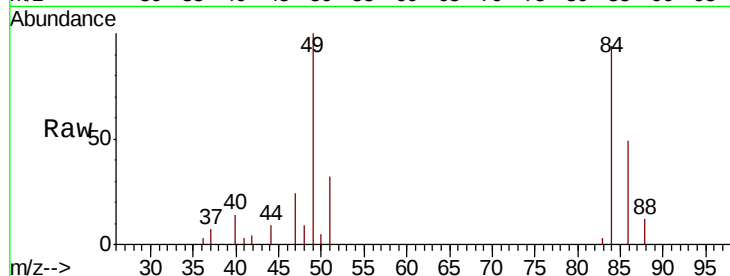




#16
Methylene chloride
Concen: 0.884 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017173.D
Acq: 11 Nov 2020 18:55

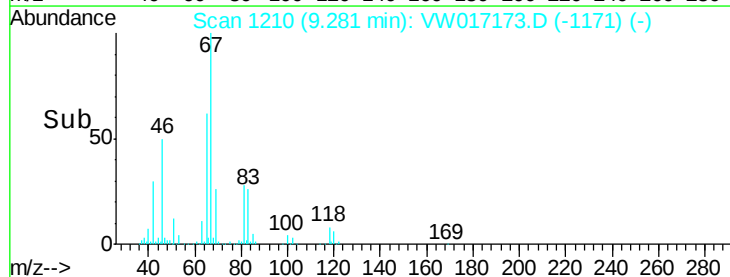
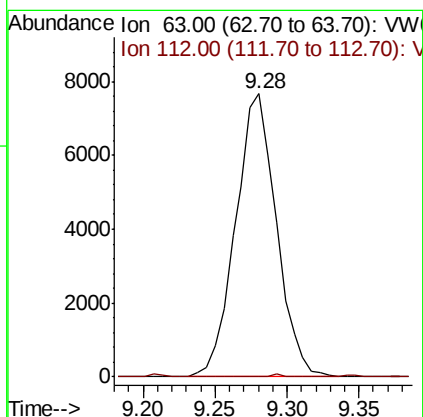
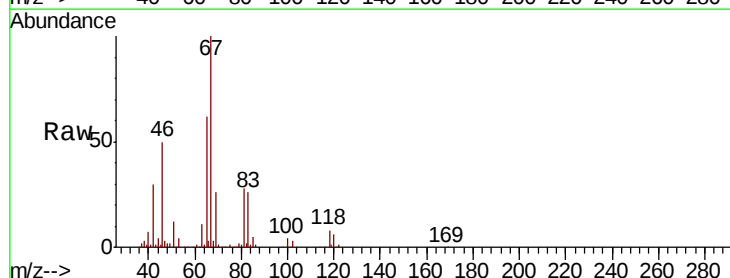
Instrument :
MSVOA_W
ClientSampled :
BG4E4

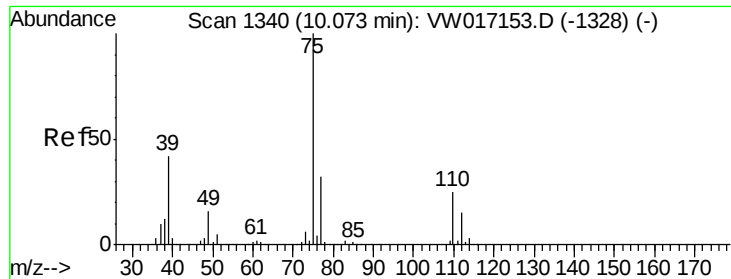
Tot Ion: 84 Resp: 5896
Ion Ratio Lower Upper
84 100
49 106.8 72.3 134.3
86 52.1 45.1 83.7



#40
1,2-Dichloropropane
Concen: 2.769 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.09 min
Lab File: VW017173.D
Acq: 11 Nov 2020 18:55

Tgt Ion: 63 Resp: 15096
Ion Ratio Lower Upper
63 100
112 0.3 4.2 6.2#

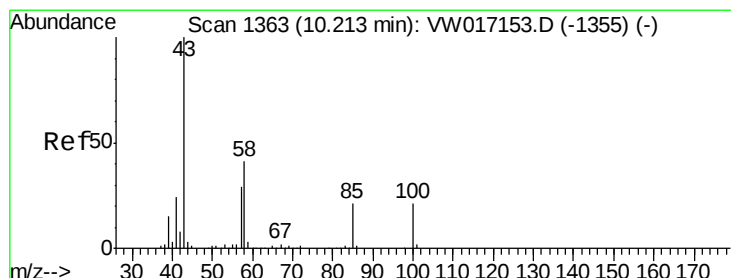
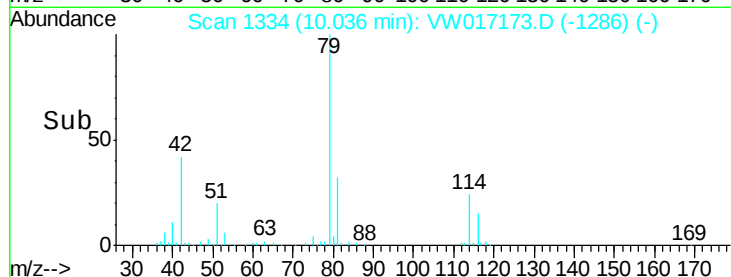
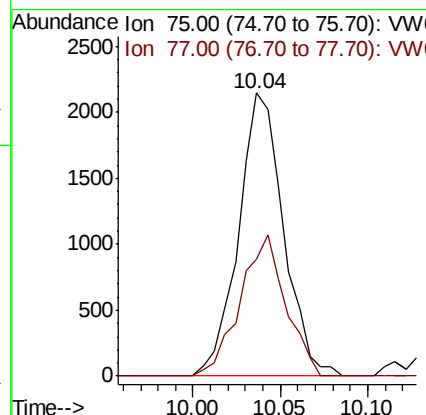
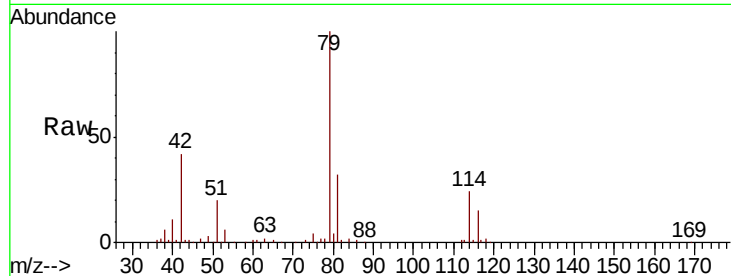




#42
 cis-1,3-Dichloropropene
 Concen: 0.444 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017173.D
 Acq: 11 Nov 2020 18:55

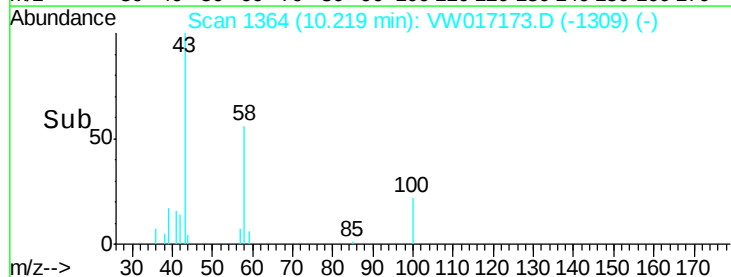
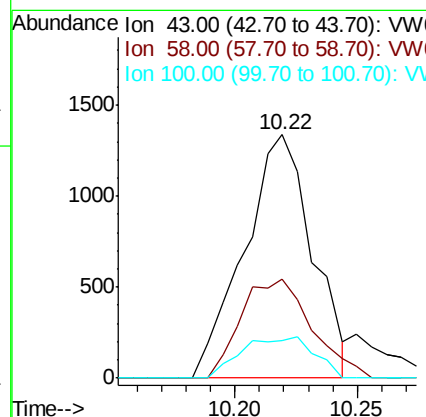
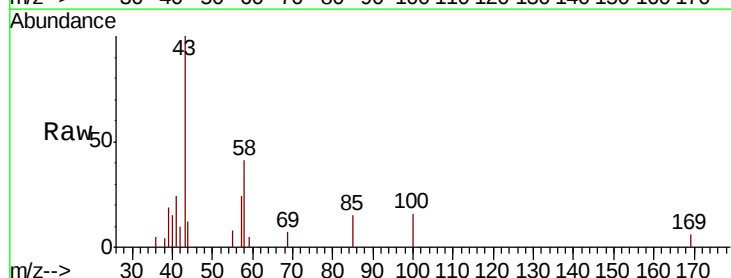
Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E4

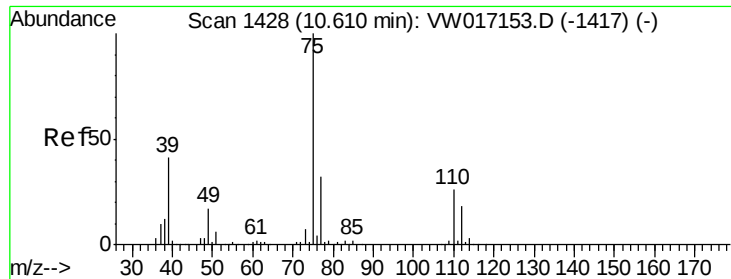
Tot Ion: 75 Resp: 3835
 Ion Ratio Lower Upper
 75 100
 77 41.1 22.0 41.0#



#43
 4-Methyl-2-pentanone
 Concen: 0.770 ug/L
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW017173.D
 Acq: 11 Nov 2020 18:55

Tgt Ion: 43 Resp: 2592
 Ion Ratio Lower Upper
 43 100
 58 42.3 35.0 52.6
 100 9.5 16.6 24.8#

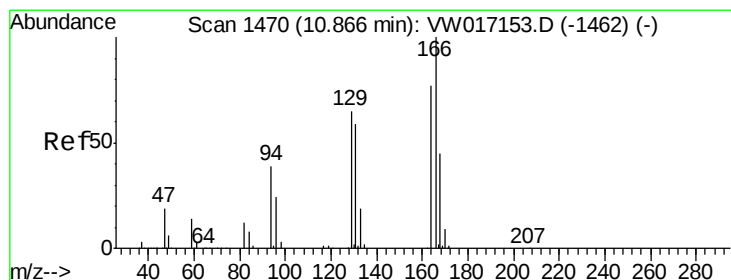
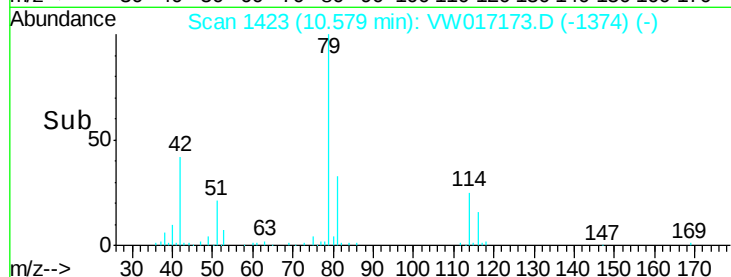
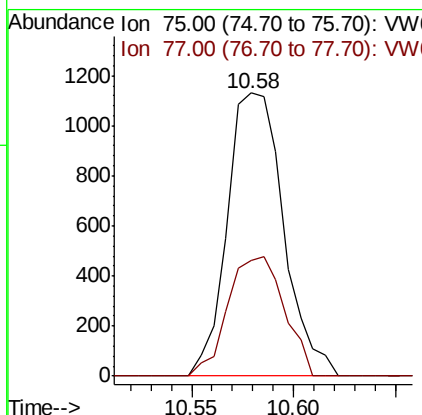
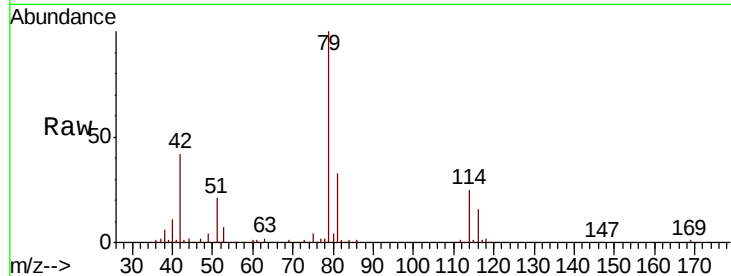




#45
trans-1,3-Dichloropropene
Concen: 0.292 ug/L
RT: 10.58 min Scan# 1423
Delta R.T. -0.03 min
Lab File: VW017173.D
Acq: 11 Nov 2020 18:55

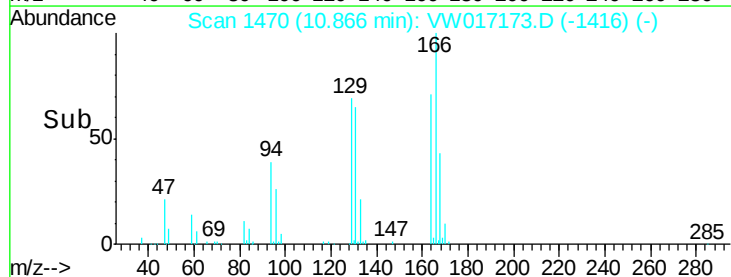
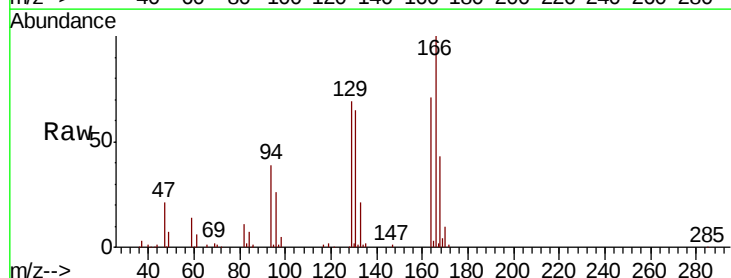
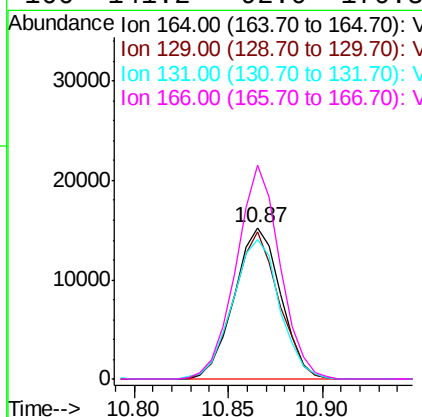
Instrument :
MSVOA_W
ClientSampleId :
BG4E4

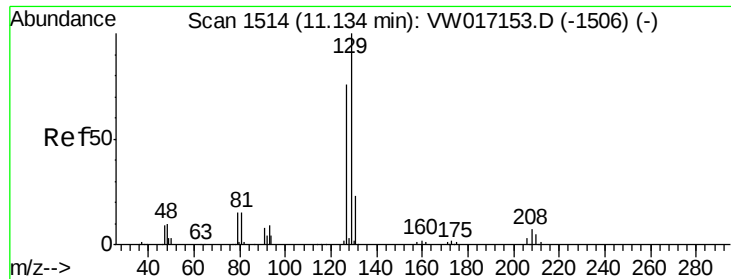
Tot Ion: 75 Resp: 2163
Ion Ratio Lower Upper
75 100
77 40.9 22.1 41.1



#47
Tetrachloroethene
Concen: 4.430 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017173.D
Acq: 11 Nov 2020 18:55

Tgt Ion: 164 Resp: 26117
Ion Ratio Lower Upper
164 100
129 97.0 62.9 116.7
131 91.9 63.3 117.5
166 141.2 92.0 170.8

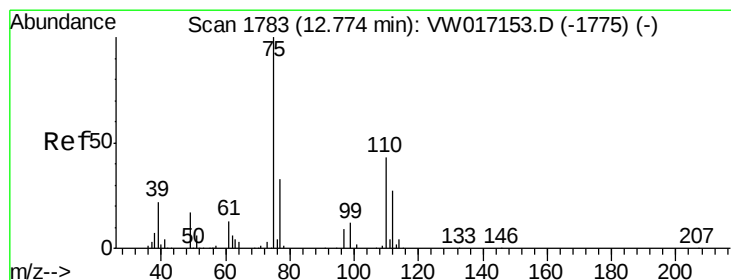
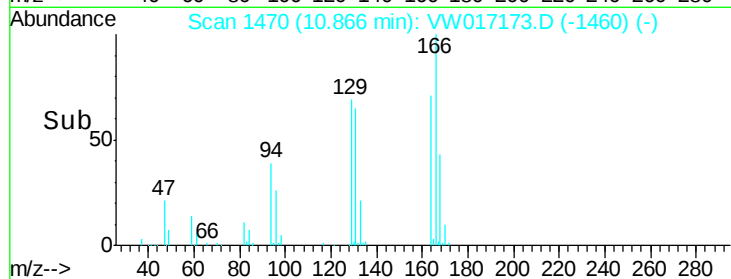
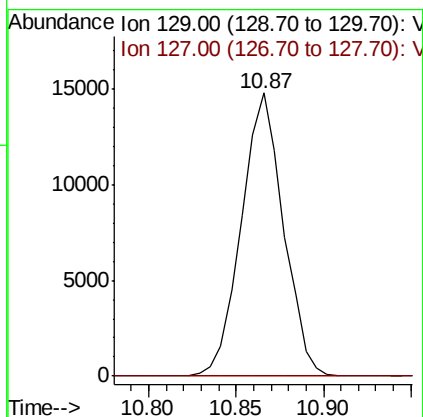
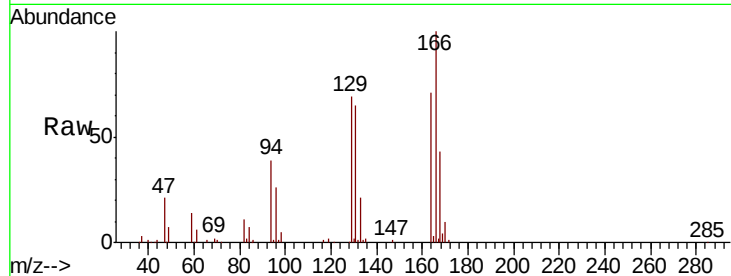




#50
 Dibromochloromethane
 Concen: 4.321 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.27 min
 Lab File: VW017173.D
 Acq: 11 Nov 2020 18:55

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E4

Tot Ion:129 Resp: 24746
 Ion Ratio Lower Upper
 129 100
 127 0.4 54.3 100.9#



#59
 1,2,3-Trichloropropane
 Concen: 4.848 ug/L
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.79 min
 Lab File: VW017173.D
 Acq: 11 Nov 2020 18:55

Tgt Ion: 75 Resp: 18927
 Ion Ratio Lower Upper
 75 100
 77 37.4 26.4 39.6

