

Data File : VW006917.D
Acq On : 16 Nov 2018 15:15
Operator : SY/AP
Sample : J5944-17
Misc : 6.42G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETHS9

Quant Time: Nov 16 23:54:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 23:51:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	184465	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	175101	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	78967	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	40225	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.24%
7) Chloroethane-d5	2.89	69	31334	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.32%
10) 1,1-Dichloroethene-d2	4.02	63	77799	17.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.12%
20) 2-Butanone-d5	7.09	46	40506	44.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.76%
24) Chloroform-d	7.65	84	98043	24.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	8.31	65	65905	28.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.36%
29) Benzene-d6	8.28	84	216153	23.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.44%
33) 1,2-Dichloropropane-d6	9.28	67	67321	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.12%
37) Toluene-d8	10.33	98	220714	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.16%
38) trans-1,3-Dichloropropene-	10.58	79	30032	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.80%
39) 2-Hexanone-d5	10.93	63	33247	47.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	60042	24.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	72966	24.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.60%

Target Compounds

						Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	4.02	101	734	0.302	ug/L #	21
13) Acetone	4.14	43	1583	2.723	ug/L	71
14) Carbon disulfide	4.38	76	2845	0.375	ug/L #	74
16) Methylene chloride	4.92	84	6062	1.879	ug/L	91
18) trans-1,2-Dichloroethene	5.43	96	1664	0.692	ug/L	80
22) cis-1,2-Dichloroethene	7.17	96	23676	9.637	ug/L	96
25) Chloroform	7.68	83	5954	1.311	ug/L #	74
35) Trichloroethene	9.10	95	259943	97.460	ug/L	99
36) Methylcyclohexane	9.28	83	16426	3.204	ug/L #	20
40) 1,2-Dichloropropane	9.28	63	7337	3.041	ug/L #	88
42) cis-1,3-Dichloropropene	10.04	75	1912	0.525	ug/L #	40
47) Tetrachloroethene	10.87	164	3250	1.594	ug/L	98
49) 2-Hexanone	10.93	43	3817	2.727	ug/L #	64
50) Dibromochloromethane	10.87	129	3520	1.766	ug/L #	10
59) 1,2,3-Trichloropropane	13.57	75	9223	5.054	ug/L	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111618\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Nov 16 23:51:03 2018
Response via : Initial Calibration

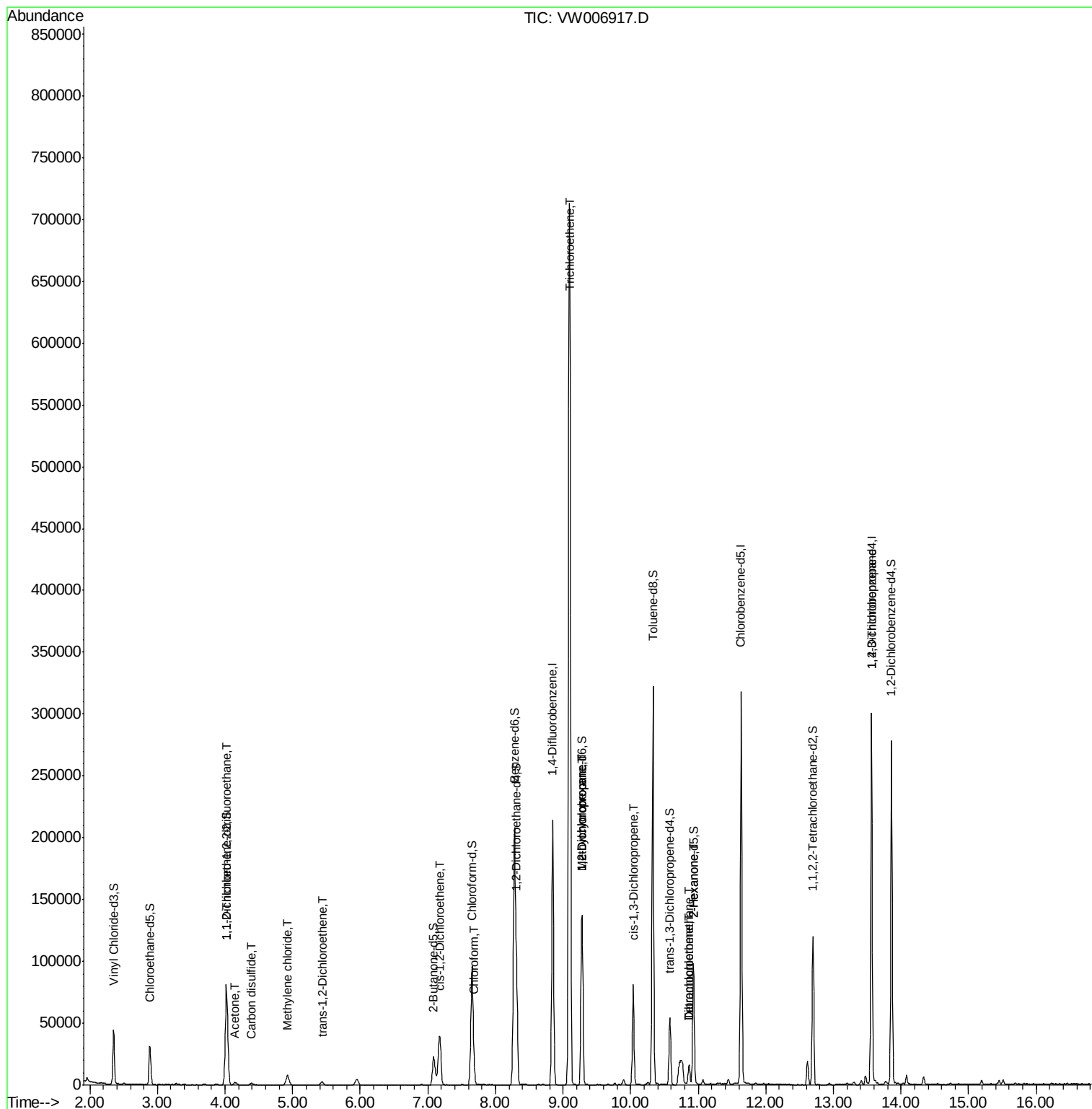
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

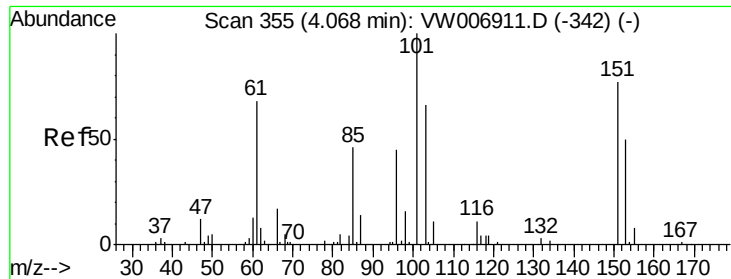
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#11

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

Concen: 0.302 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.05 min

Lab File: VW006917.D

Acq: 16 Nov 2018 15:15

Instrument :

MSVOA_W

ClientSampled :

ETHS9

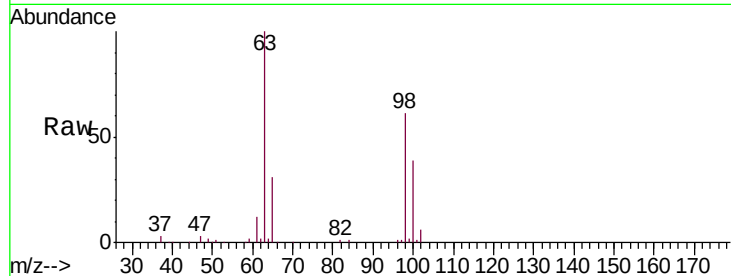
Tgt Ion:101 Resp: 734

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.8#

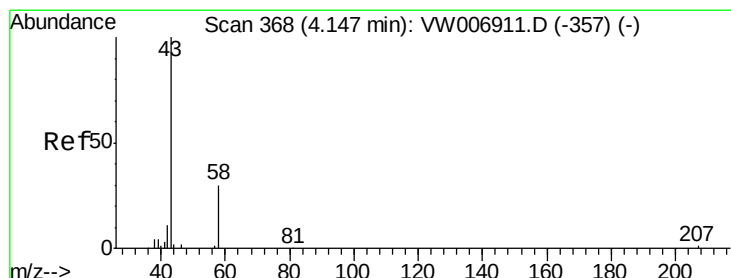
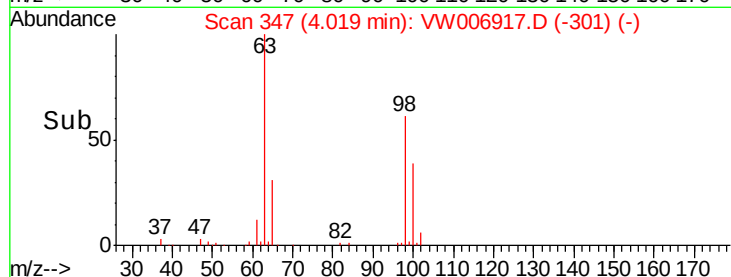
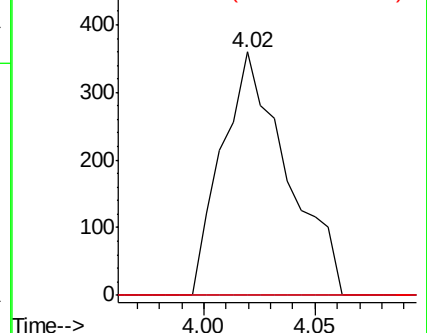
151 0.0 57.5 86.3#



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



#13

Acetone

Concen: 2.723 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006917.D

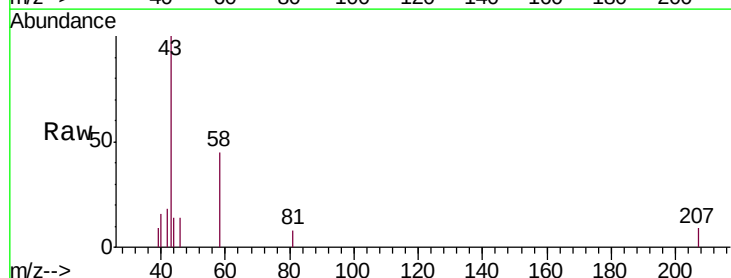
Acq: 16 Nov 2018 15:15

Tgt Ion: 43 Resp: 1583

Ion Ratio Lower Upper

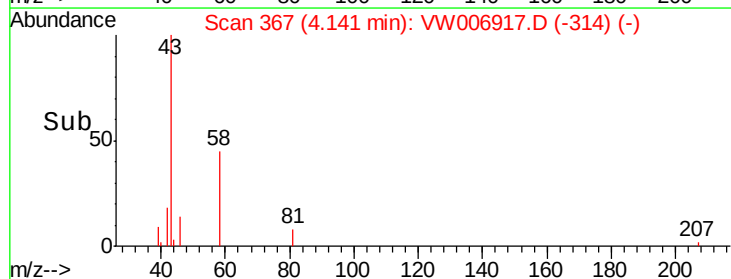
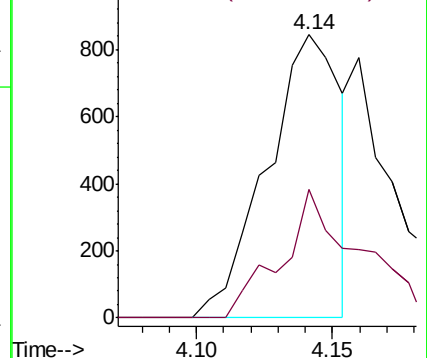
43 100

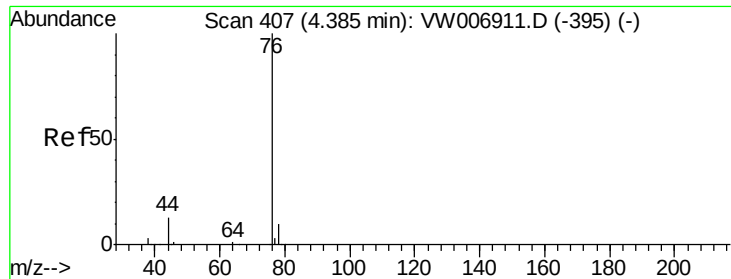
58 16.2 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 0.375 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW006917.D

Acq: 16 Nov 2018 15:15

Instrument :

MSVOA_W

ClientSampled :

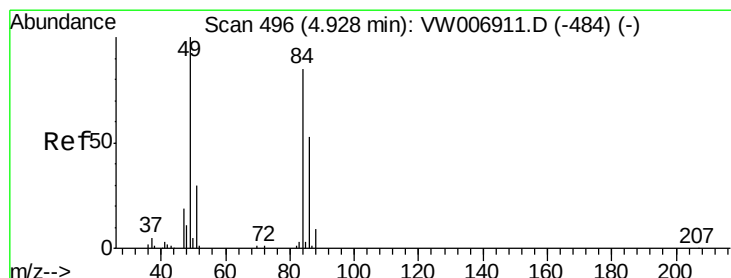
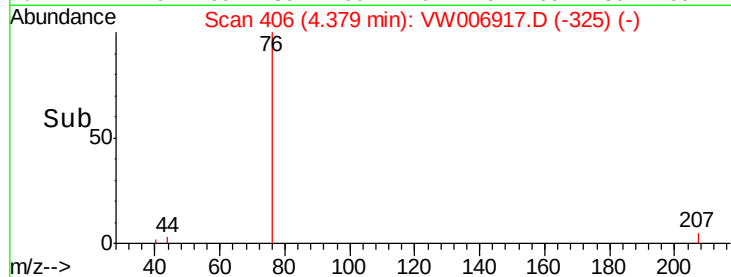
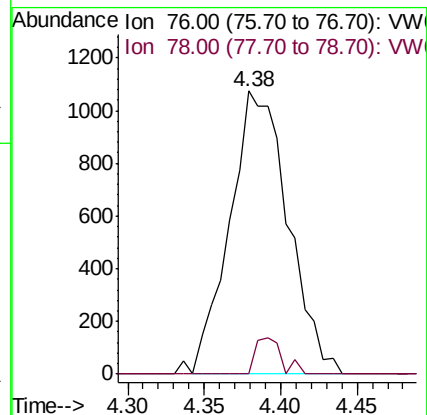
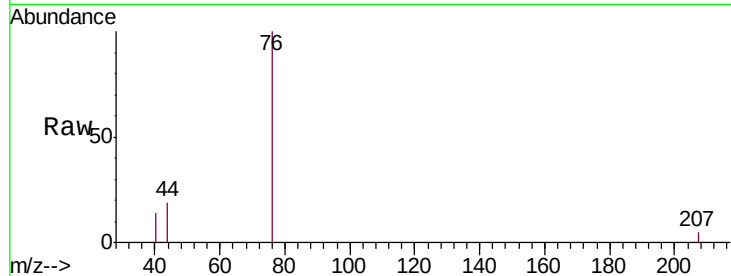
ETHS9

Tgt Ion: 76 Resp: 2845

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



#16

Methylene chloride

Concen: 1.879 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.01 min

Lab File: VW006917.D

Acq: 16 Nov 2018 15:15

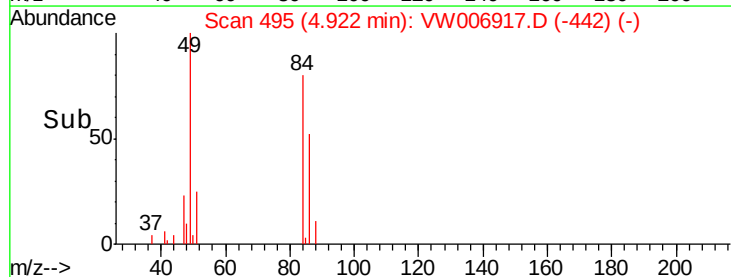
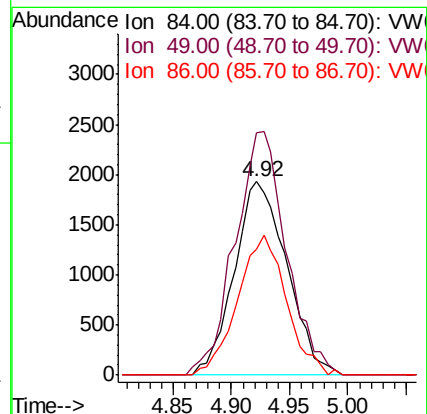
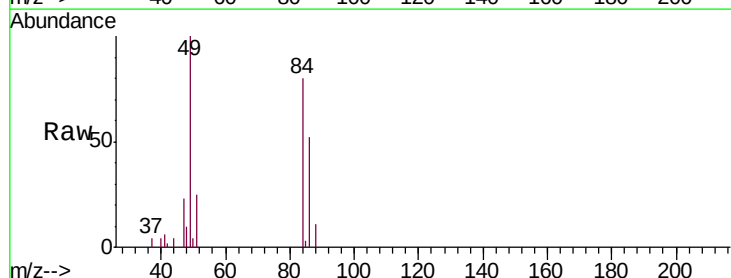
Tgt Ion: 84 Resp: 6062

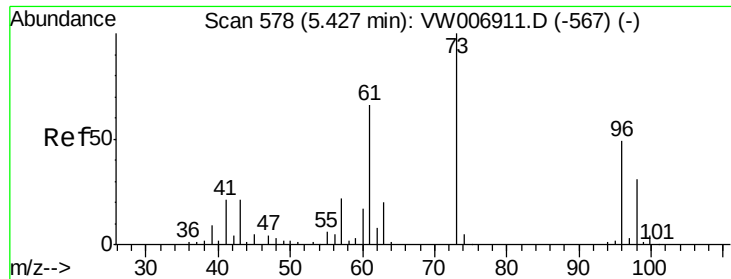
Ion Ratio Lower Upper

84 100

49 125.5 79.3 147.3

86 65.0 43.5 80.9





#18

trans-1,2-Dichloroethene

Concen: 0.692 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW006917.D

Acq: 16 Nov 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

ETHS9

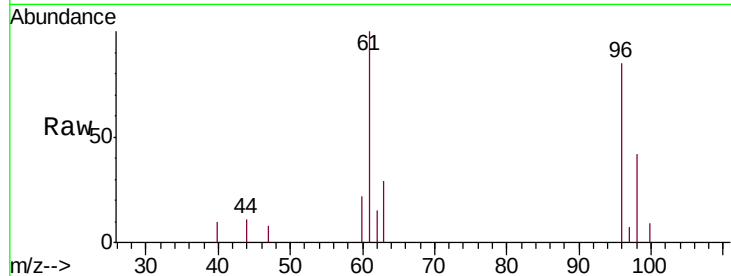
Tgt Ion: 96 Resp: 1664

Ion Ratio Lower Upper

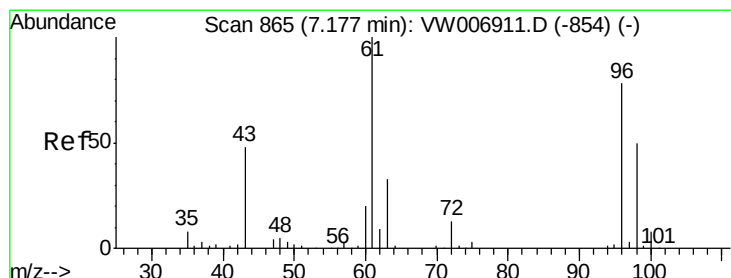
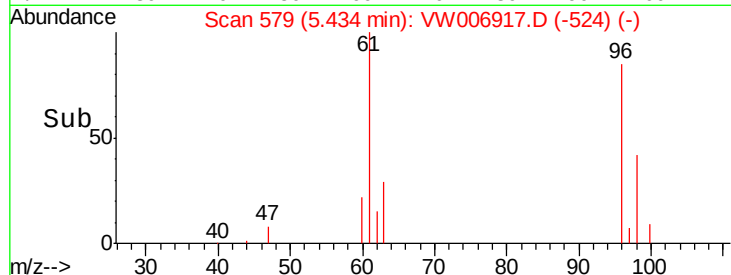
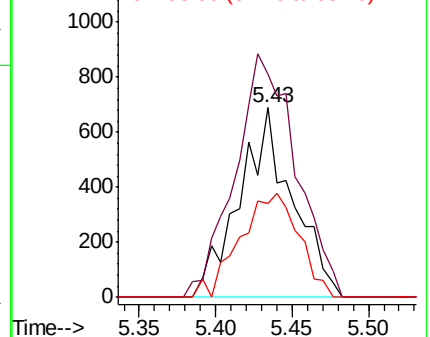
96 100

61 117.7 99.6 185.0

98 49.3 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



#22

cis-1,2-Dichloroethene

Concen: 9.637 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006917.D

Acq: 16 Nov 2018 15:15

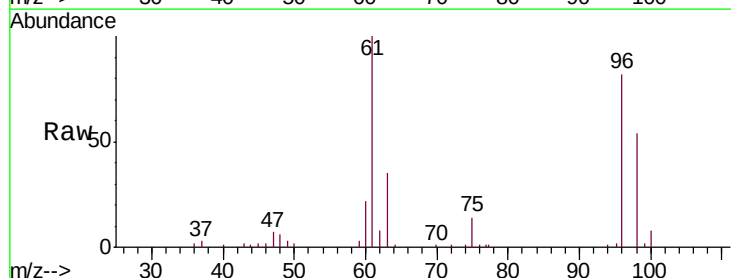
Tgt Ion: 96 Resp: 23676

Ion Ratio Lower Upper

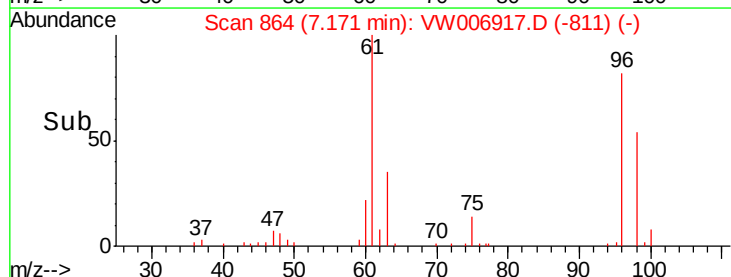
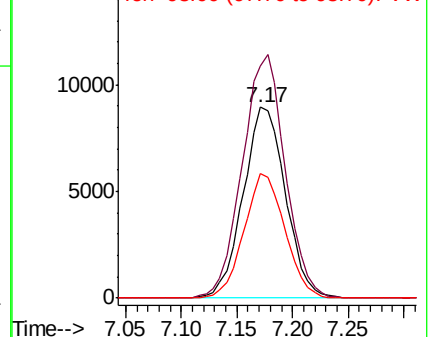
96 100

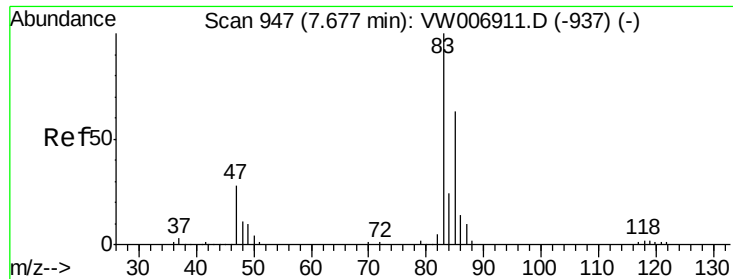
61 121.6 88.1 163.7

98 65.2 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

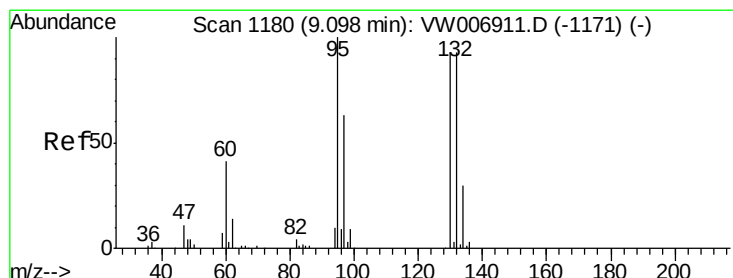
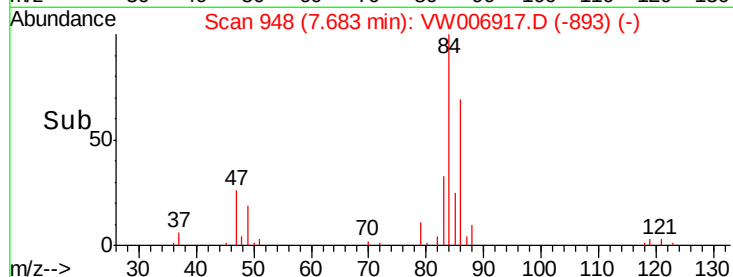
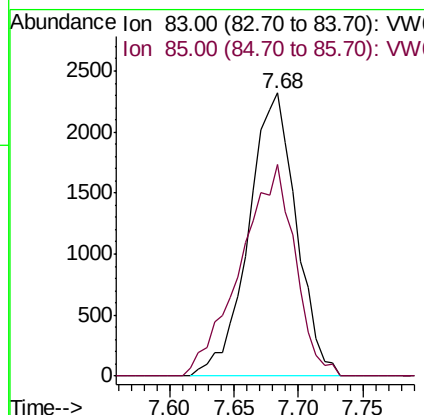
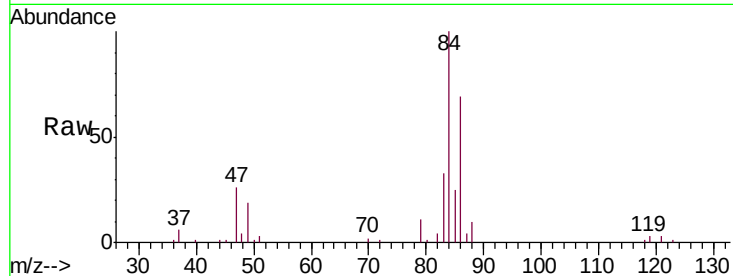




#25
Chloroform
Concen: 1.311 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006917.D
Acq: 16 Nov 2018 15:15

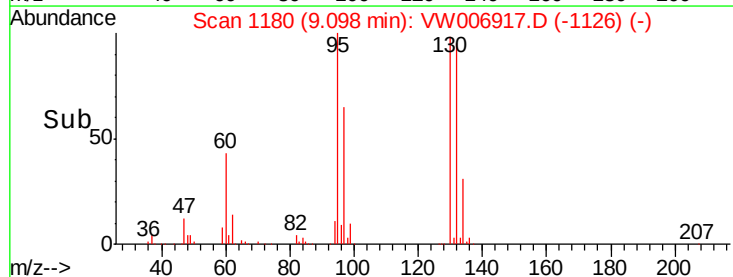
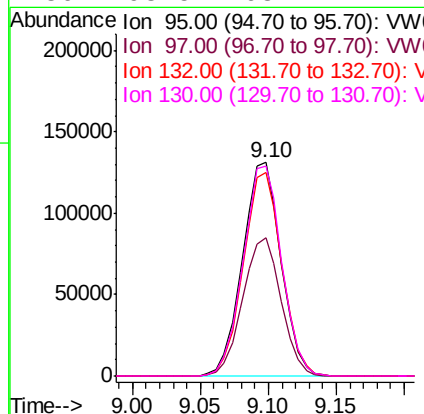
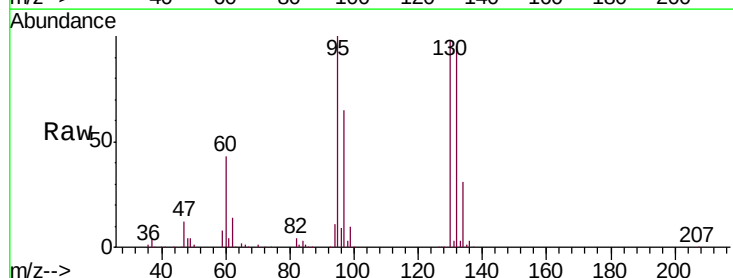
Instrument :
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ClientSampled :
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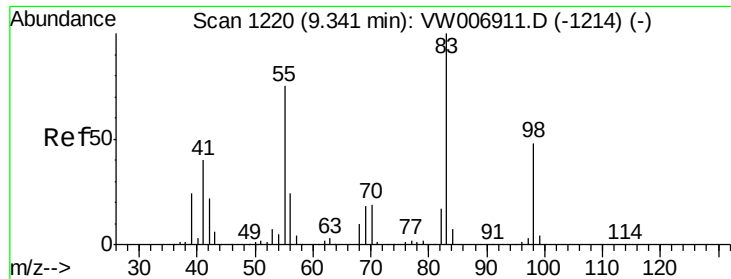
Tgt Ion: 83 Resp: 5954
Ion Ratio Lower Upper
83 100
85 85.4 45.4 84.2#



#35
Trichloroethene
Concen: 97.460 ug/L
RT: 9.10 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VW006917.D
Acq: 16 Nov 2018 15:15

Tgt Ion: 95 Resp: 259943
Ion Ratio Lower Upper
95 100
97 64.4 45.1 83.9
132 95.4 65.7 121.9
130 98.5 68.7 127.7

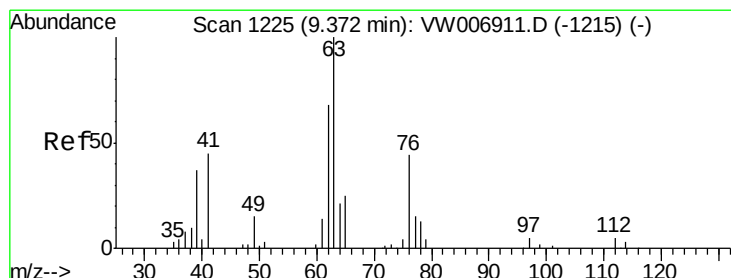
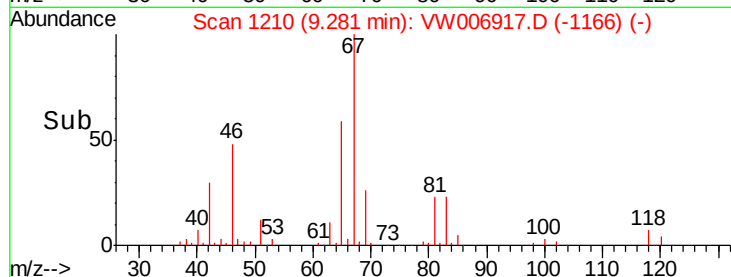
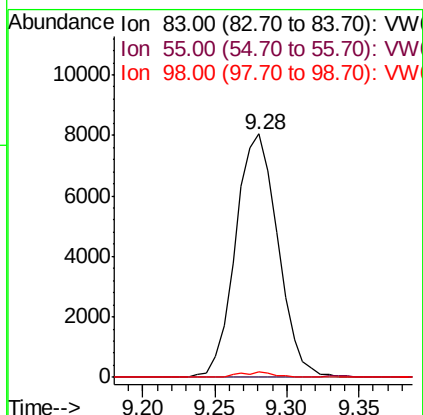
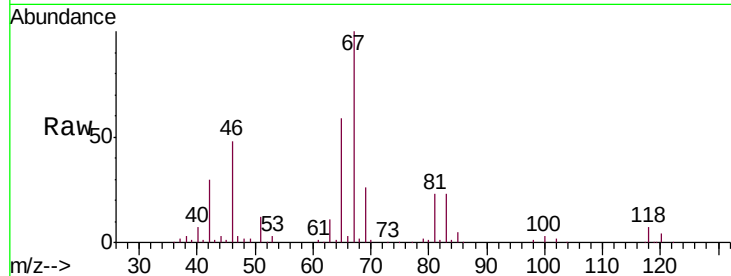




#36
Methylcyclohexane
Concen: 3.204 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW006917.D
Acq: 16 Nov 2018 15:15

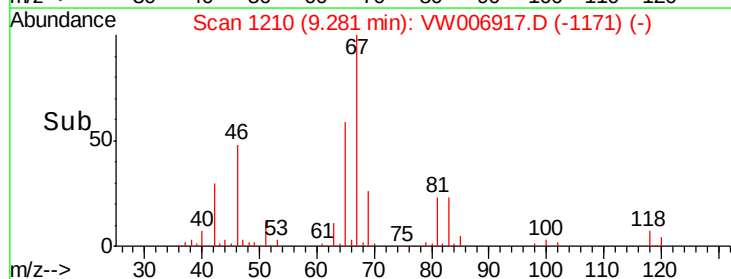
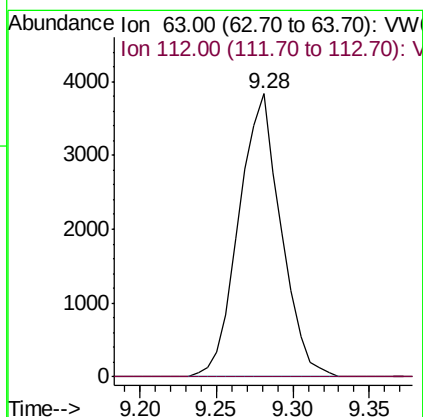
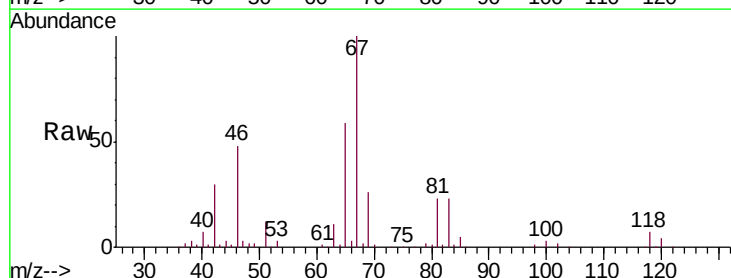
Instrument :
MSVOA_W
ClientSampleId :
ETHS9

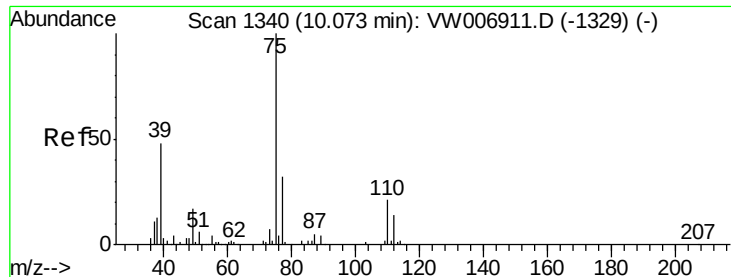
Tgt Ion: 83 Resp: 16426
Ion Ratio Lower Upper
83 100
55 0.4 60.2 90.2#
98 1.0 36.5 54.7#



#40
1,2-Dichloropropane
Concen: 3.041 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.09 min
Lab File: VW006917.D
Acq: 16 Nov 2018 15:15

Tgt Ion: 63 Resp: 7337
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





#42

cis-1,3-Dichloropropene

Concen: 0.525 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW006917.D

Acq: 16 Nov 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

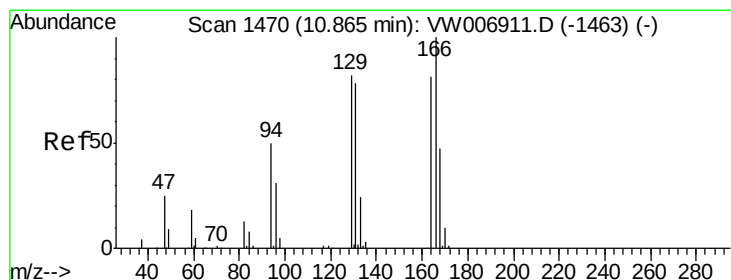
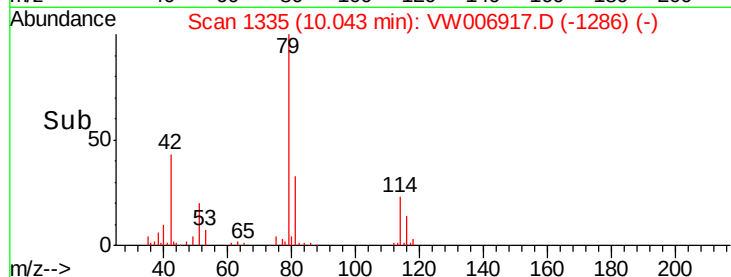
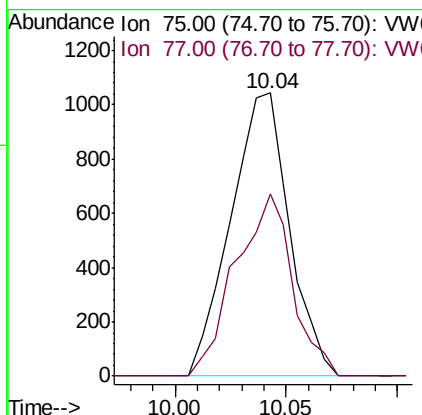
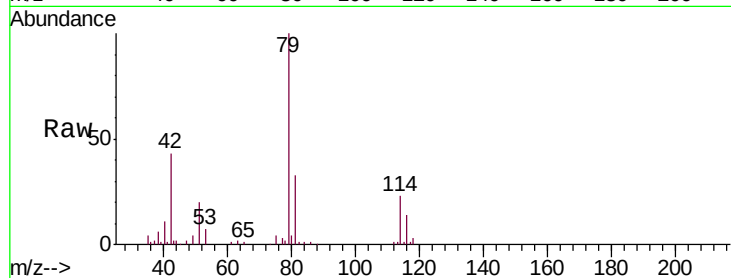
ETHS9

Tgt Ion: 75 Resp: 1912

Ion Ratio Lower Upper

75 100

77 64.5 21.9 40.7#



#47

Tetrachloroethene

Concen: 1.594 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006917.D

Acq: 16 Nov 2018 15:15

Tgt Ion: 164 Resp: 3250

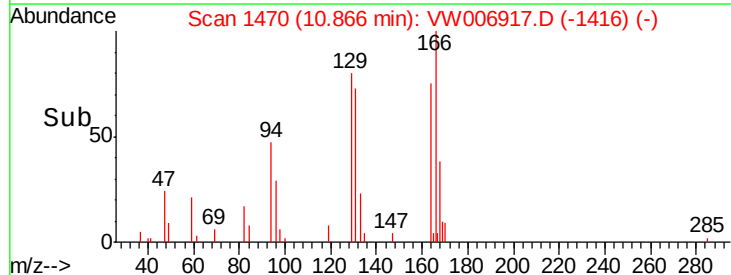
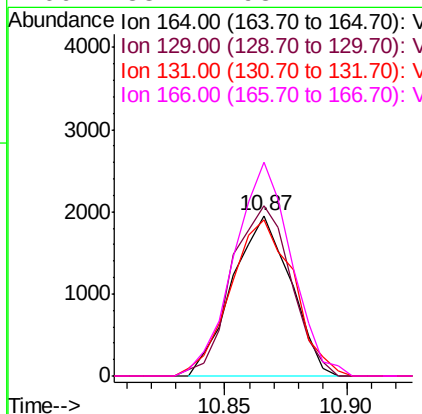
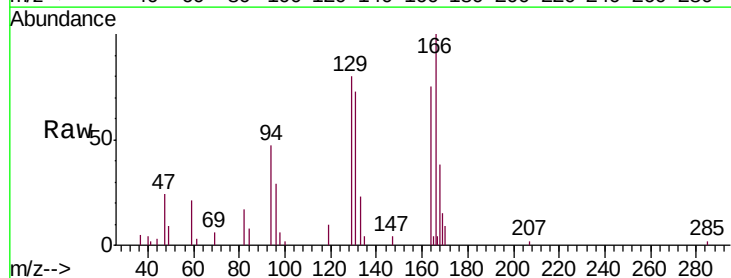
Ion Ratio Lower Upper

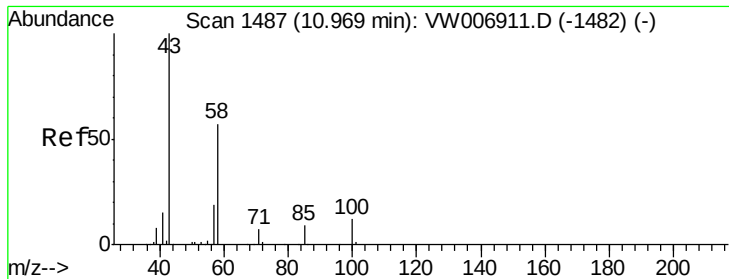
164 100

129 106.2 75.0 139.2

131 97.6 72.5 134.7

166 133.1 93.7 174.1

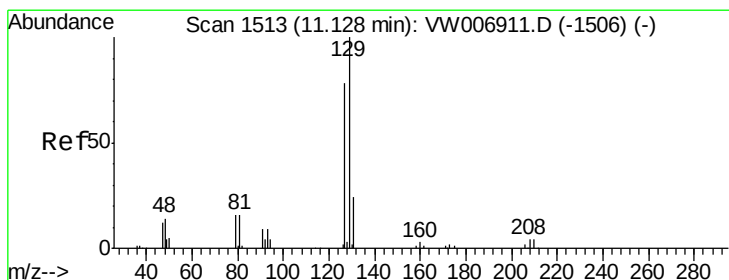
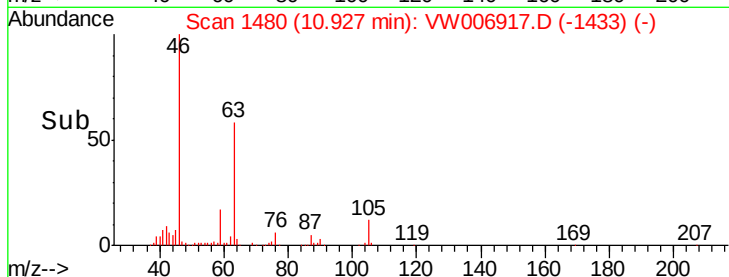
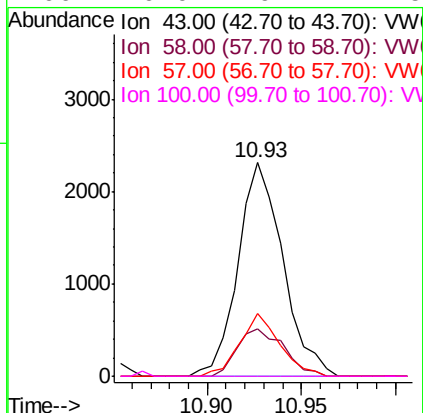
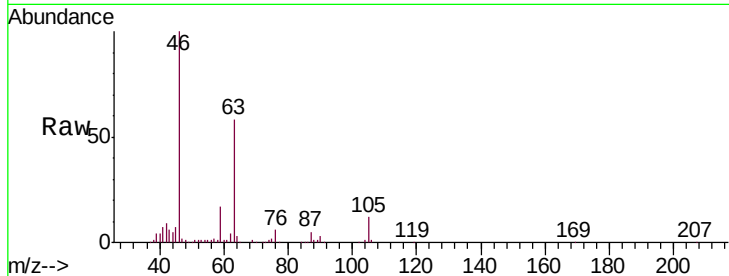




#49
2-Hexanone
Concen: 2.727 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW006917.D
Acq: 16 Nov 2018 15:15

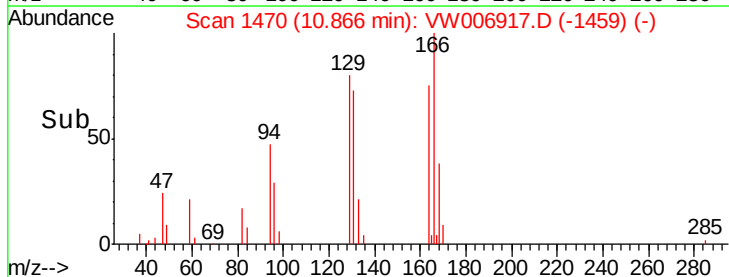
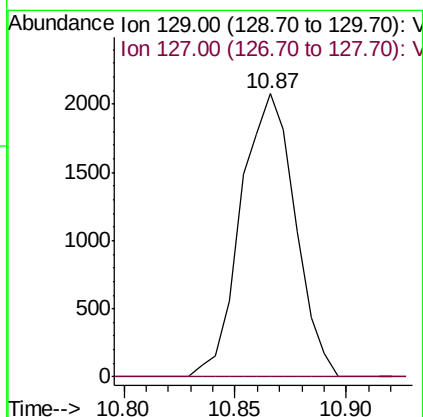
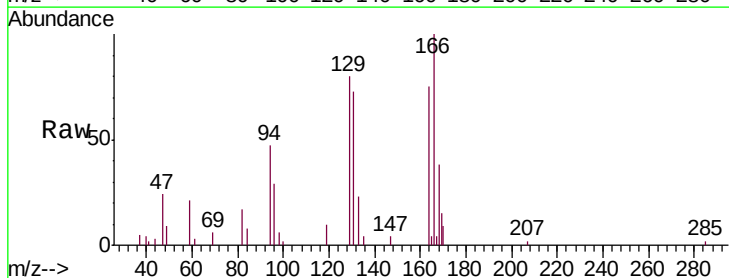
Instrument :
MSVOA_W
ClientSampled :
ETHS9

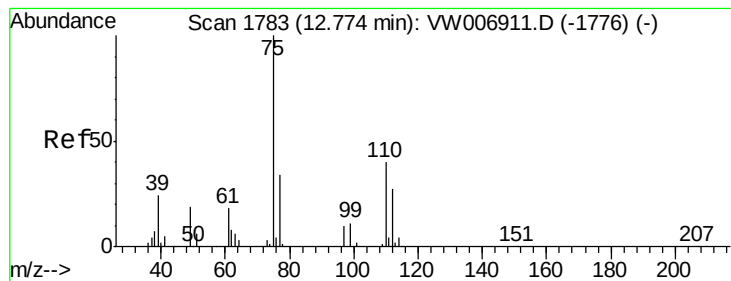
Tgt Ion: 43 Resp: 3817
Ion Ratio Lower Upper
43 100
58 23.1 44.6 67.0#
57 26.3 16.0 24.0#
100 0.0 9.7 14.5#



#50
Dibromochloromethane
Concen: 1.766 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW006917.D
Acq: 16 Nov 2018 15:15

Tgt Ion: 129 Resp: 3520
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#





#59

1,2,3-Trichloropropane

Concen: 5.054 ug/L

RT: 13.57 min Scan# 1913

Delta R.T. 0.79 min

Lab File: VW006917.D

Acq: 16 Nov 2018 15:15

Instrument :

MSVOA_W

ClientSampleId :

ETHS9

Tgt Ion: 75 Resp: 9223

Ion Ratio Lower Upper

75 100

77 39.6 26.5 39.7

