

Data File : VW011294.D
Acq On : 16 Jul 2019 18:53
Operator : SY/VA
Sample : K3798-17MS
Misc : 6.47G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A52G4MS

Quant Time: Jul 17 07:25:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 17 07:20:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	336273	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	299419	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	129341	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	74167	14.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.76%
7) Chloroethane-d5	2.89	69	61829	17.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.64%
10) 1,1-Dichloroethene-d2	4.02	63	207850	19.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.44%
20) 2-Butanone-d5	7.07	46	105836	52.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.66%
24) Chloroform-d	7.65	84	201858	21.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	8.30	65	132236	23.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.20%
29) Benzene-d6	8.27	84	398002	21.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.32%
33) 1,2-Dichloropropane-d6	9.27	67	141331	23.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.12%
37) Toluene-d8	10.32	98	336943	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.00%
38) trans-1,3-Dichloropropene-	10.58	79	53194	20.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.32%
39) 2-Hexanone-d5	10.93	63	74004	53.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127513	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	114556	23.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.28%

Target Compounds

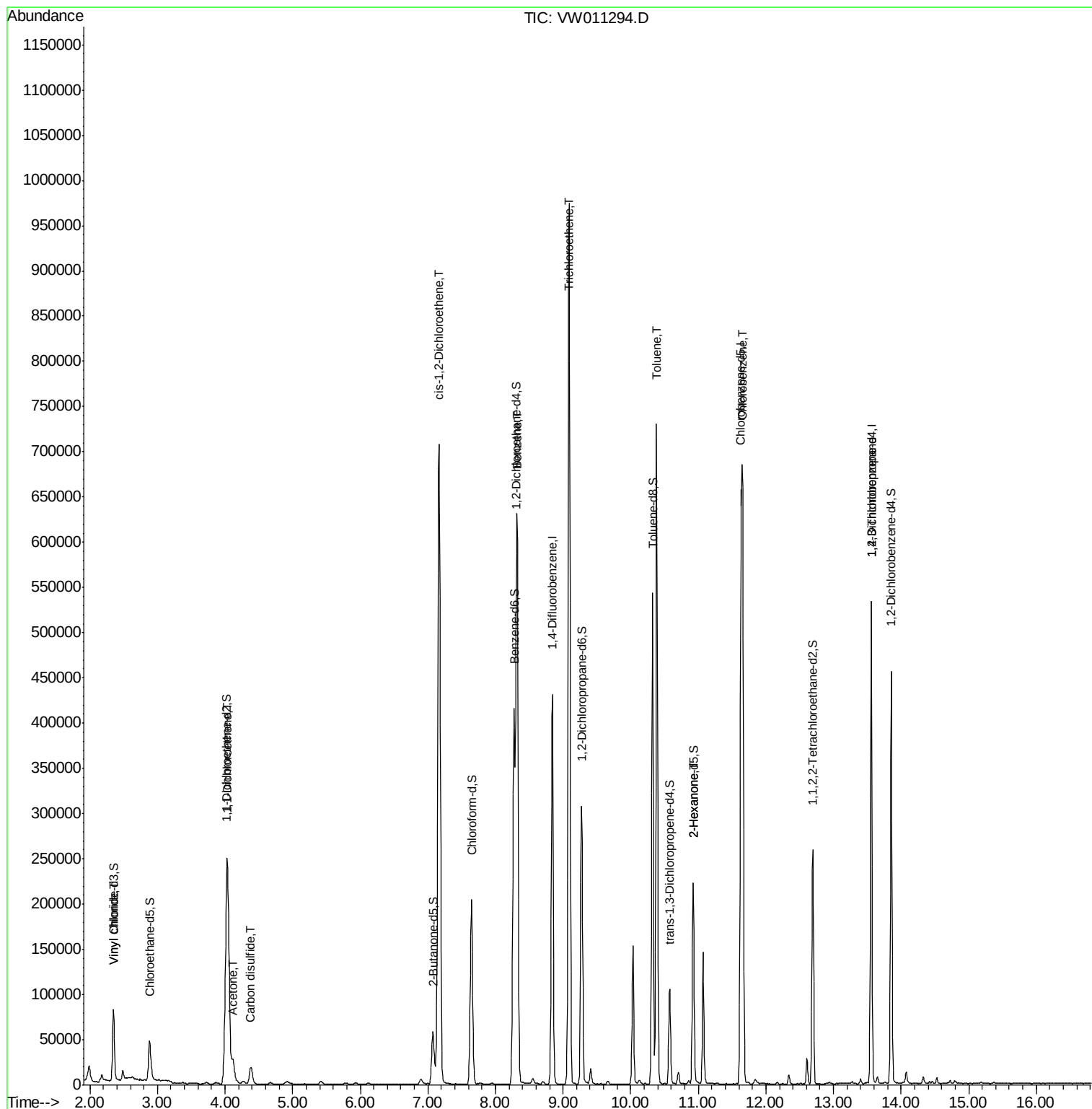
					Qvalue
5) Vinyl chloride	2.35	62	16073	2.743 ug/L	87
12) 1,1-Dichloroethene	4.04	96	108033	24.447 ug/L	81
13) Acetone	4.12	43	39087	19.785 ug/L	99
14) Carbon disulfide	4.38	76	41540	3.286 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	396888	82.108 ug/L	98
34) Benzene	8.32	78	512091	27.365 ug/L	100
35) Trichloroethene	9.09	95	339437	71.879 ug/L	100
44) Toluene	10.39	91	520981	26.897 ug/L	100
49) 2-Hexanone	10.92	43	9531	2.755 ug/L #	69
52) Chlorobenzene	11.66	112	310397	26.231 ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	17567	4.842 ug/L	90

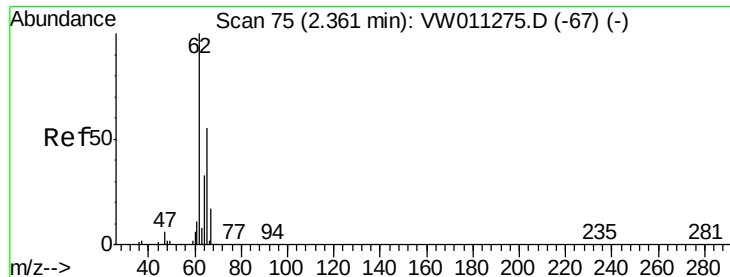
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.743 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

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ClientSampleId :

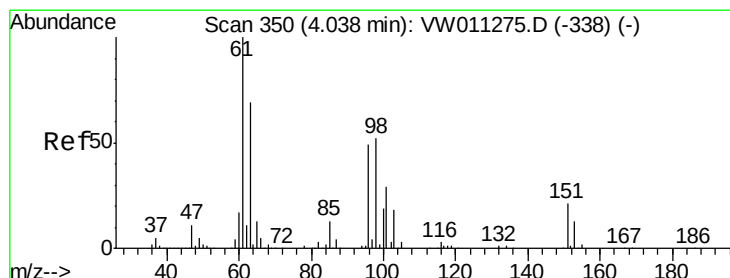
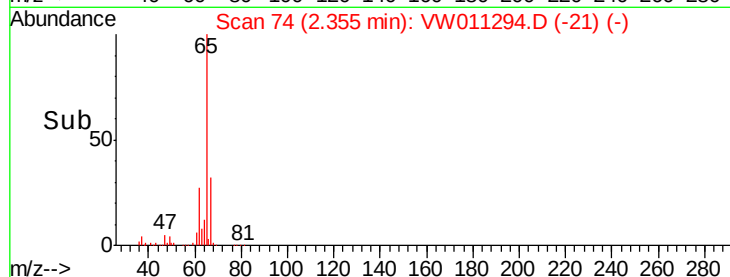
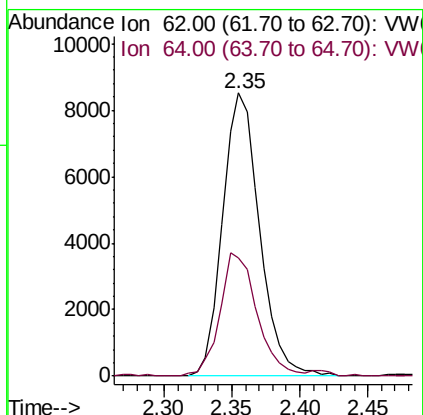
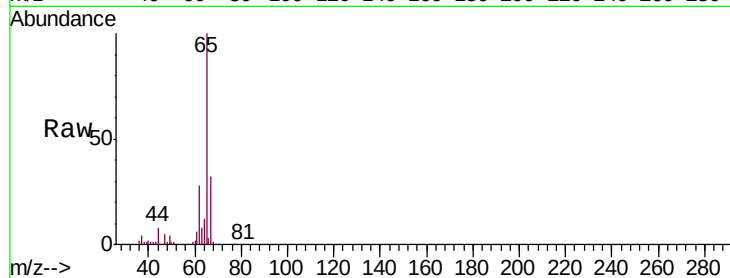
A52G4MS

Tgt Ion: 62 Resp: 16073

Ion Ratio Lower Upper

62 100

64 41.8 23.9 44.3



#12

1,1-Dichloroethene

Concen: 24.447 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011294.D

Acq: 16 Jul 2019 18:53

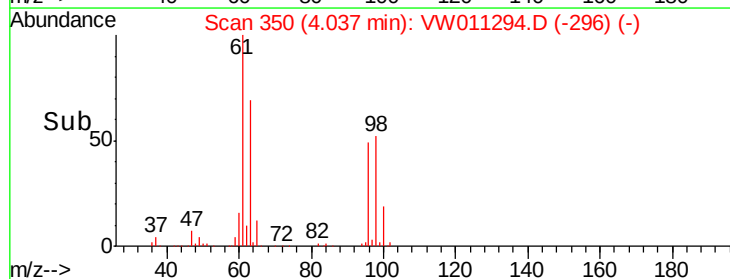
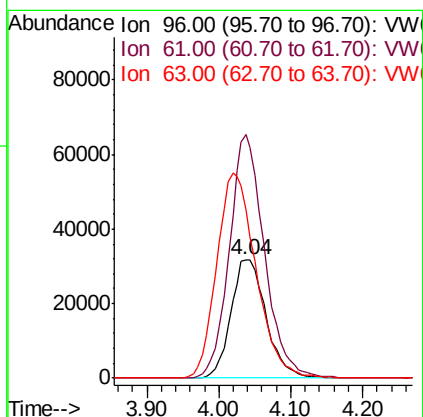
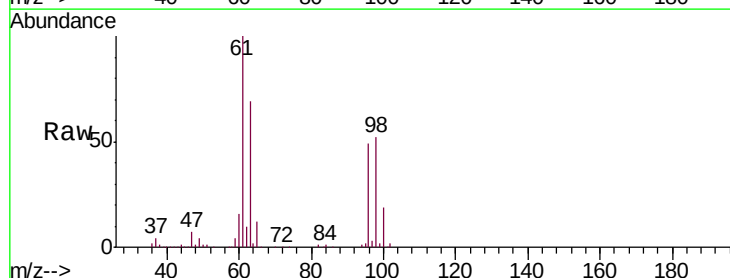
Tgt Ion: 96 Resp: 108033

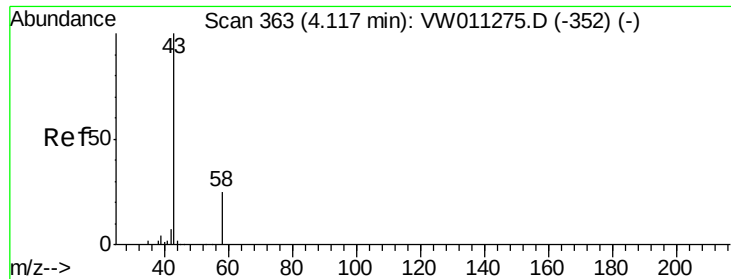
Ion Ratio Lower Upper

96 100

61 204.9 142.2 264.0

63 141.4 138.9 257.9





#13

Acetone

Concen: 19.785 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011294.D

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Instrument :

MSVOA_W

ClientSampleId :

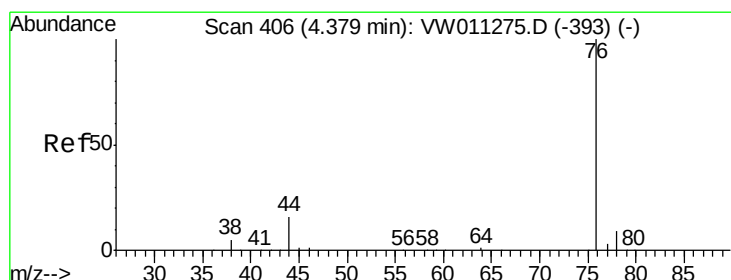
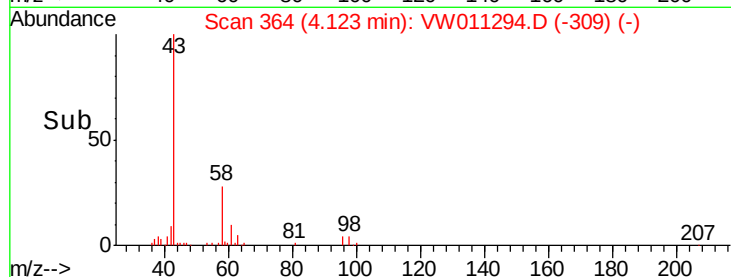
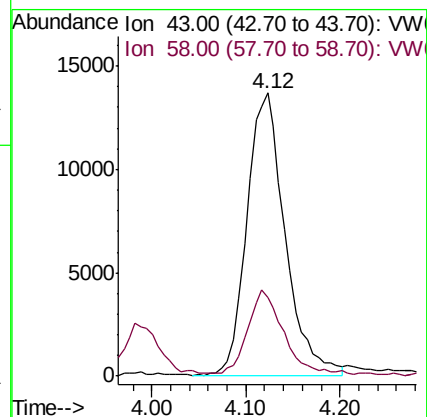
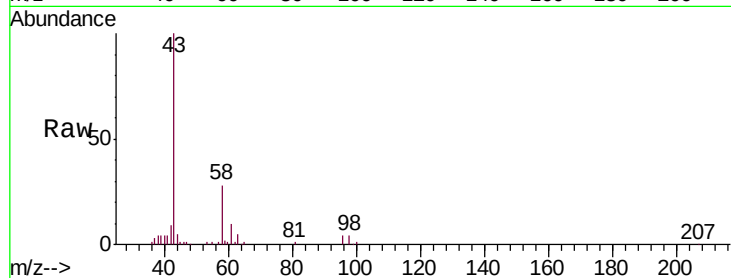
A52G4MS

Tgt Ion: 43 Resp: 39087

Ion Ratio Lower Upper

43 100

58 26.8 0.0 55.0



#14

Carbon disulfide

Concen: 3.286 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011294.D

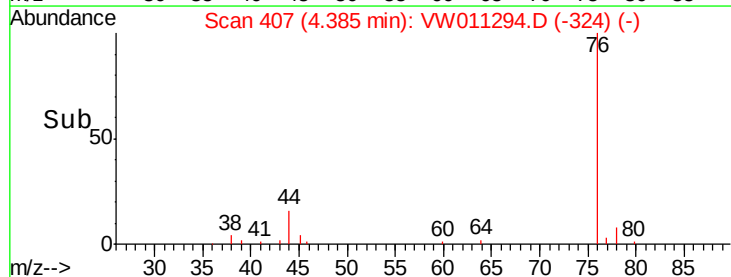
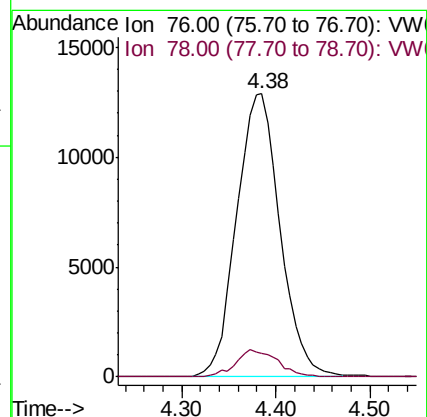
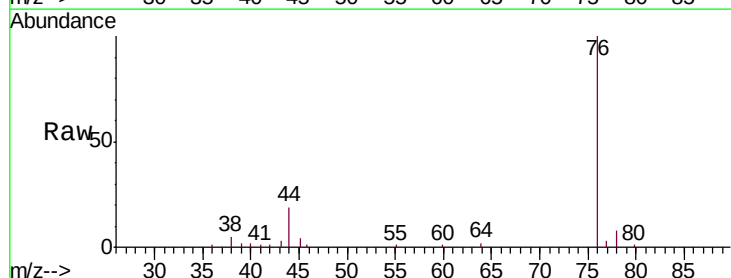
Acq: 16 Jul 2019 18:53

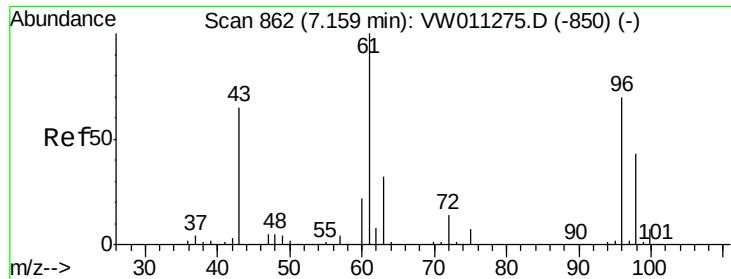
Tgt Ion: 76 Resp: 41540

Ion Ratio Lower Upper

76 100

78 8.3 7.3 10.9



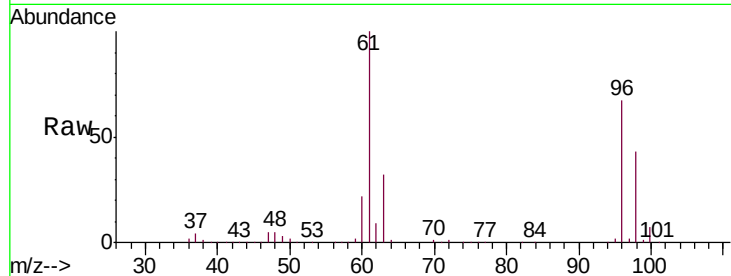


#22

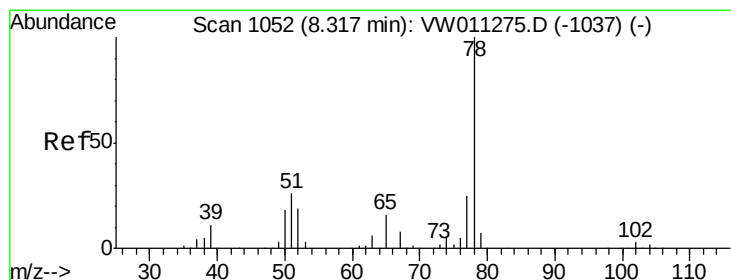
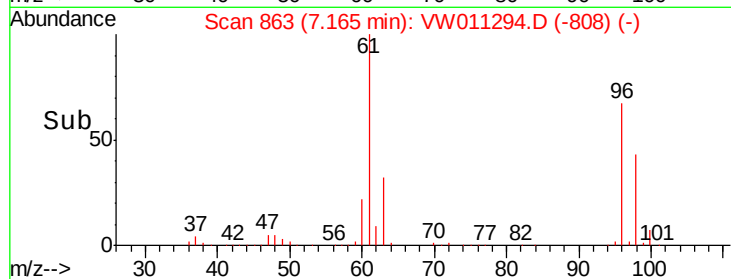
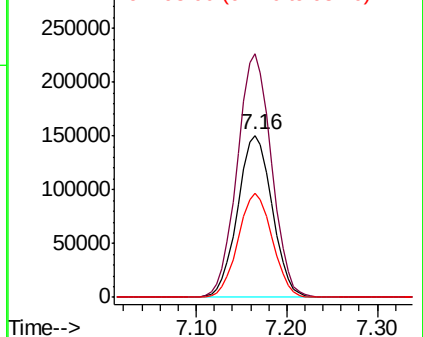
cis-1,2-Dichloroethene
 Concen: 82.108 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW011294.D
 Acq: 16 Jul 2019 18:53

Instrument :
 MSVOA_W
 ClientSampleId :
 A52G4MS

Tgt Ion: 96 Resp: 396888
 Ion Ratio Lower Upper
 96 100
 61 150.0 103.2 191.6
 98 63.8 44.8 83.2



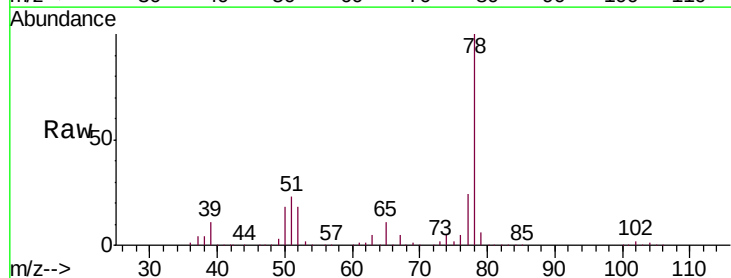
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



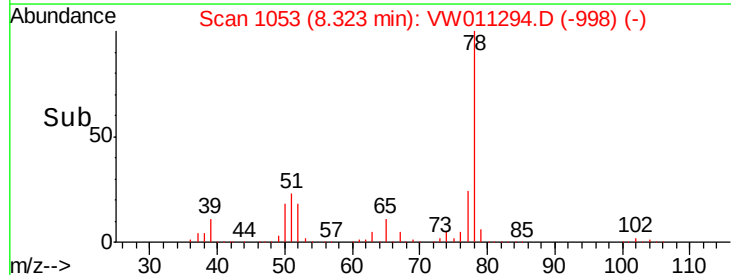
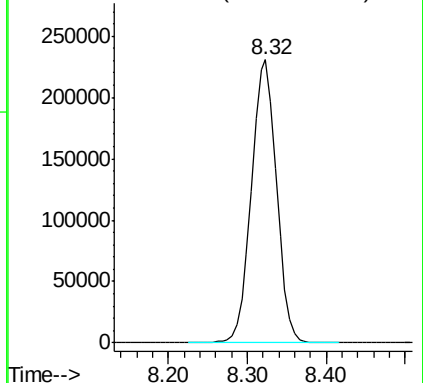
#34

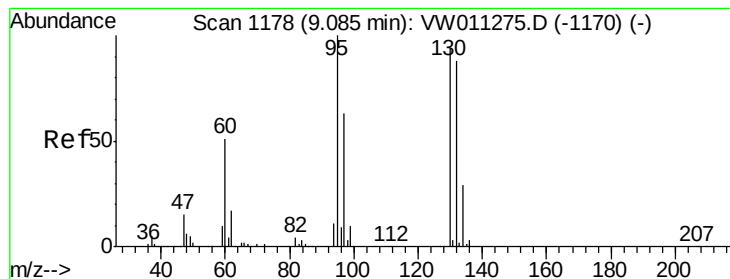
Benzene
 Concen: 27.365 ug/L
 RT: 8.32 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VW011294.D
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Tgt Ion: 78 Resp: 512091



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 71.879 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW011294.D

Acq: 16 Jul 2019 18:53

Instrument :

MSVOA_W

ClientSampleId :

A52G4MS

Tgt Ion: 95 Resp: 339437

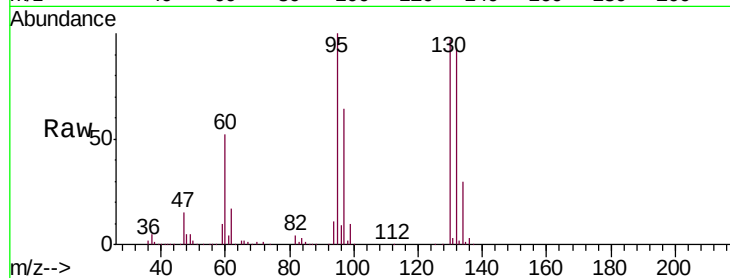
Ion Ratio Lower Upper

95 100

97 64.4 45.4 84.2

132 93.4 65.0 120.8

130 97.1 67.8 126.0

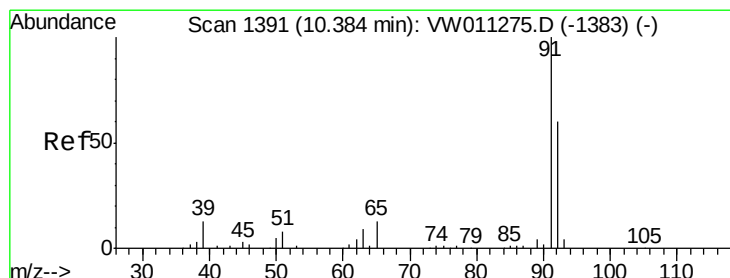
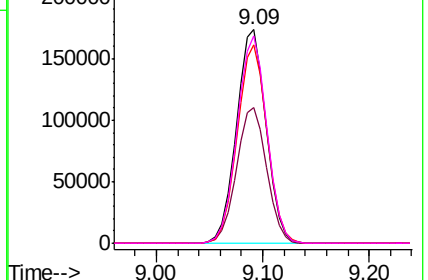
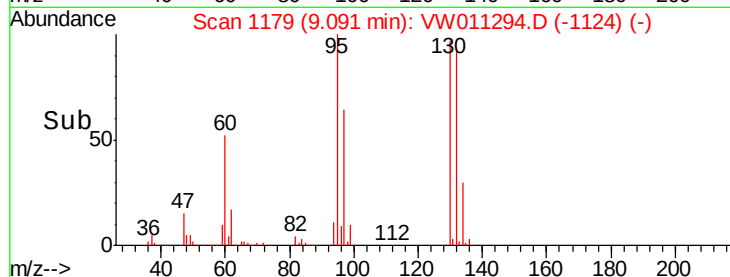


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#44

Toluene

Concen: 26.897 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011294.D

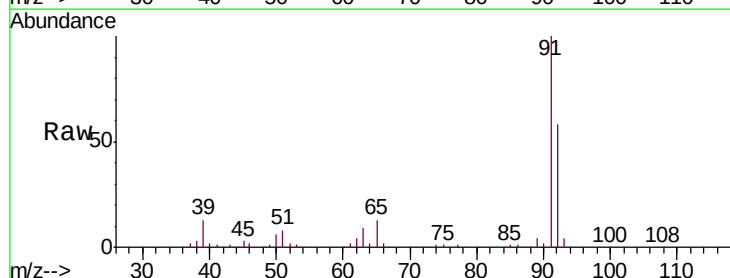
Acq: 16 Jul 2019 18:53

Tgt Ion: 91 Resp: 520981

Ion Ratio Lower Upper

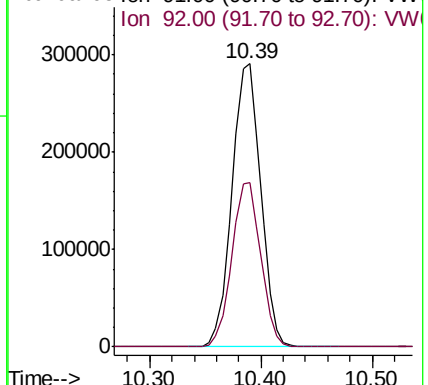
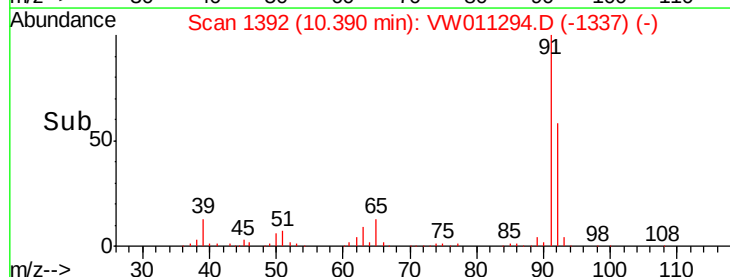
91 100

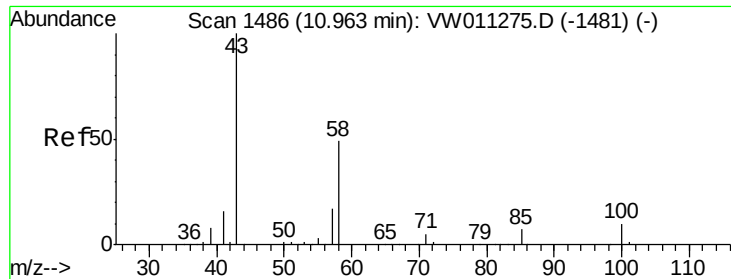
92 58.1 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

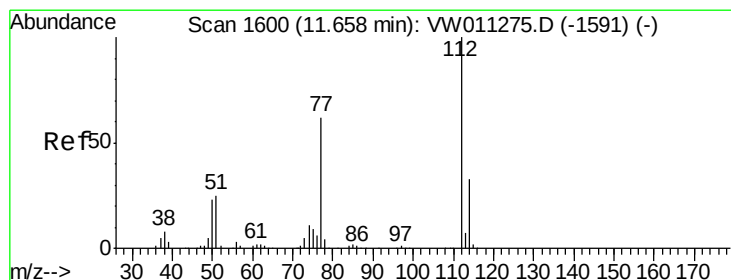
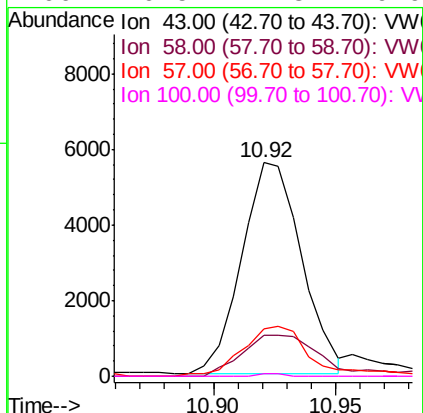
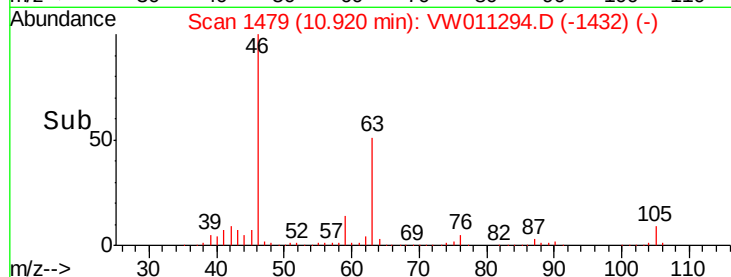
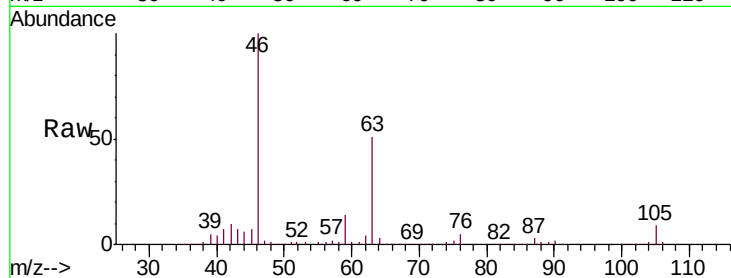




#49
2-Hexanone
Concen: 2.755 ug/L
RT: 10.92 min Scan# 1479
Delta R.T. -0.04 min
Lab File: VW011294.D
Acq: 16 Jul 2019 18:53

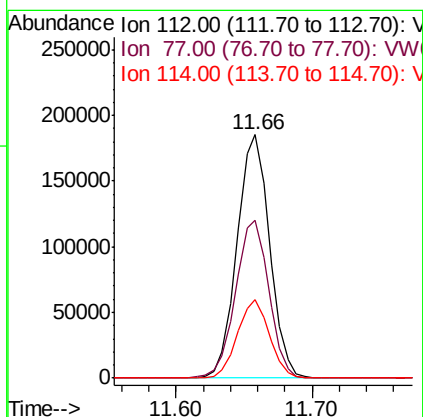
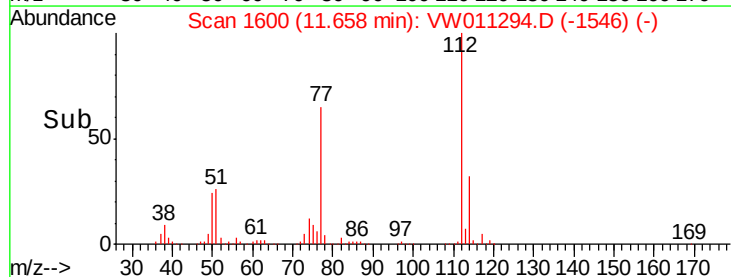
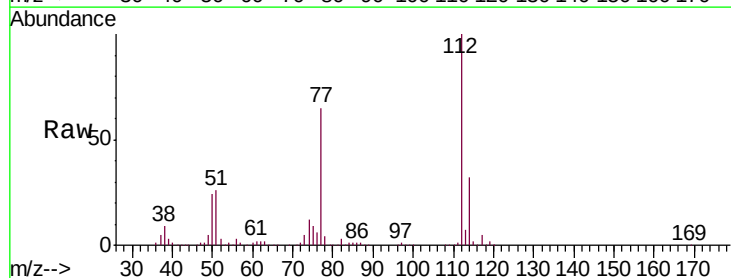
Instrument :
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ClientSampleId :
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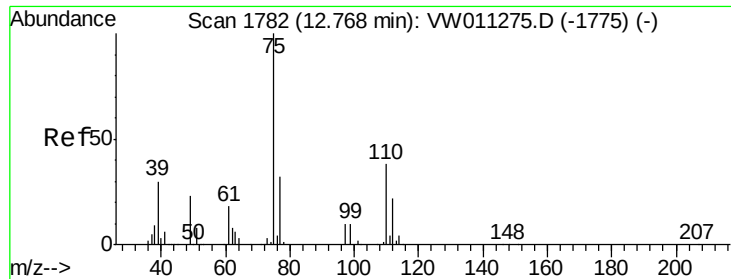
Tgt Ion:	43	Resp:	9531
Ion	Ratio	Lower	Upper
43	100		
58	24.1	38.4	57.6#
57	26.8	13.3	19.9#
100	0.5	7.3	10.9#



#52
Chlorobenzene
Concen: 26.231 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011294.D
Acq: 16 Jul 2019 18:53

Tgt Ion:	112	Resp:	310397
Ion	Ratio	Lower	Upper
112	100		
77	64.8	51.2	76.8
114	32.4	22.0	40.8





#59

1,2,3-Trichloropropane

Concen: 4.842 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW011294.D

Acq: 16 Jul 2019 18:53

Instrument :

MSVOA_W

ClientSampleId :

A52G4MS

Tgt Ion: 75 Resp: 17567

Ion Ratio Lower Upper

75 100

77 37.3 25.4 38.0

