

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
 Data File : VW011805.D
 Acq On : 09 Aug 2019 11:40
 Operator : SY/VA
 Sample : K4215-09
 Misc : 5.60G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOC0

Quant Time: Aug 10 03:46:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 10 03:43:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	191120	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	126600	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	33805	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	65933	24.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.00%
7) Chloroethane-d5	2.89	69	58013	29.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.72%
10) 1,1-Dichloroethene-d2	4.02	63	103616	16.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.16%
20) 2-Butanone-d5	7.08	46	82100	67.75	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.50%#
24) Chloroform-d	7.65	84	159693	30.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	121.68%
26) 1,2-Dichloroethane-d4	8.31	65	99897	32.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	128.64%
29) Benzene-d6	8.27	84	278429	34.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	139.88%#
33) 1,2-Dichloropropane-d6	9.27	67	110980	43.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	172.72%#
37) Toluene-d8	10.32	98	178417	25.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.00%
38) trans-1,3-Dichloropropene-	10.58	79	21036	18.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.72%
39) 2-Hexanone-d5	10.93	63	46207	76.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	153.96%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	79528	37.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	149.04%#
61) 1,2-Dichlorobenzene-d4	13.85	152	38826	29.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	119.20%

Target Compounds

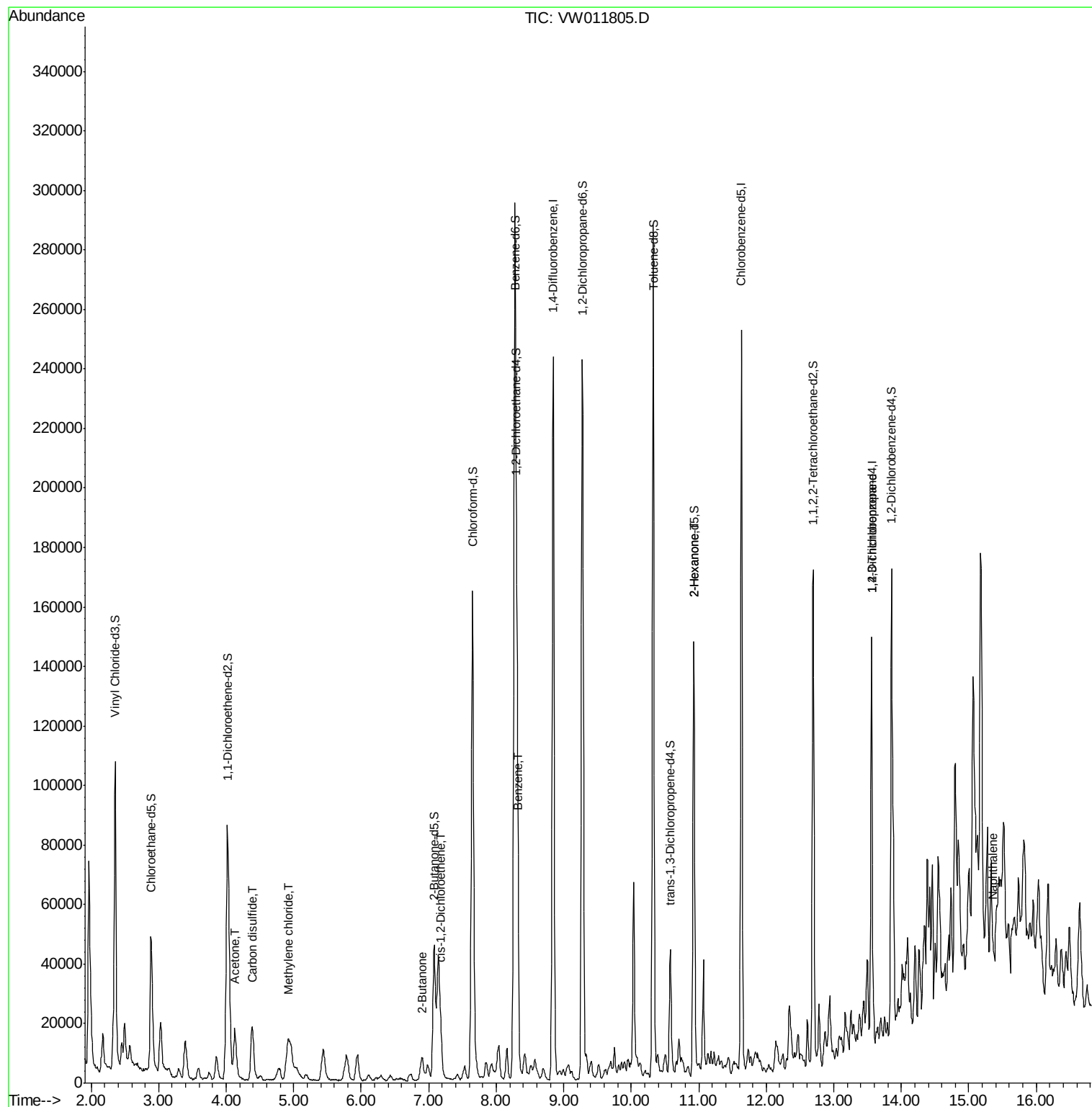
					Qvalue
13) Acetone	4.13	43	29648	22.845 ug/L	97
14) Carbon disulfide	4.38	76	39064	4.369 ug/L	99
16) Methylene chloride	4.92	84	7381	2.475 ug/L	93
21) 2-Butanone	6.90	43	3745	2.302 ug/L	86
22) cis-1,2-Dichloroethene	7.18	96	4881	1.645 ug/L	93
34) Benzene	8.33	78	8769	0.988 ug/L	100
49) 2-Hexanone	10.93	43	7259	4.391 ug/L #	62
59) 1,2,3-Trichloropropane	13.55	75	4825	2.916 ug/L	98
69) Naphthalene	15.36	128	5463	1.995 ug/L #	91

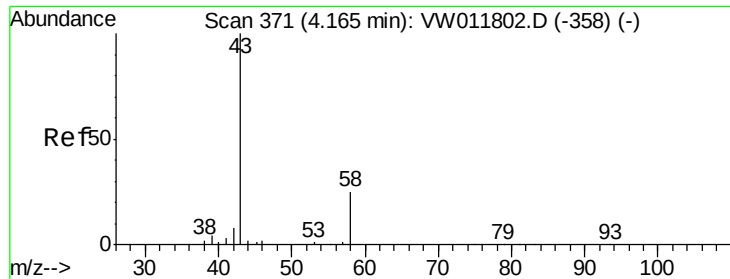
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 22.845 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.04 min

Lab File: VW011805.D

Acq: 09 Aug 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

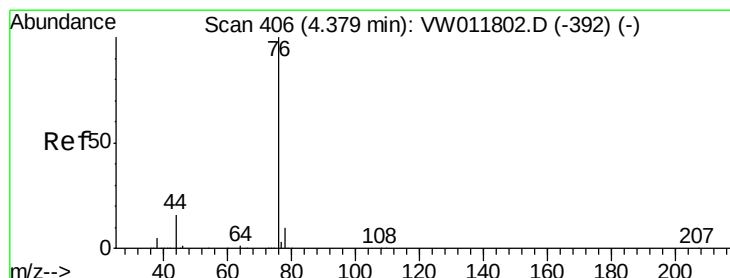
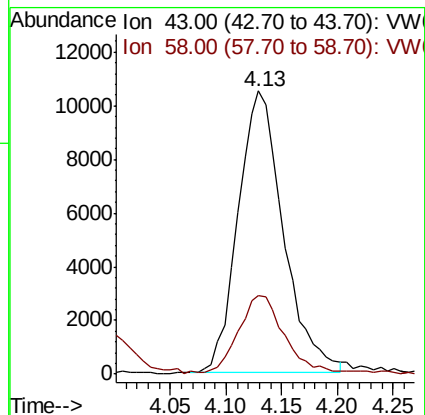
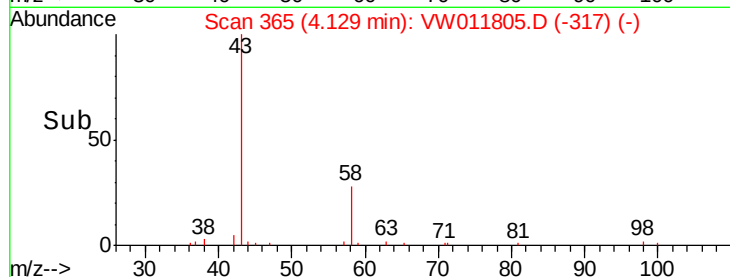
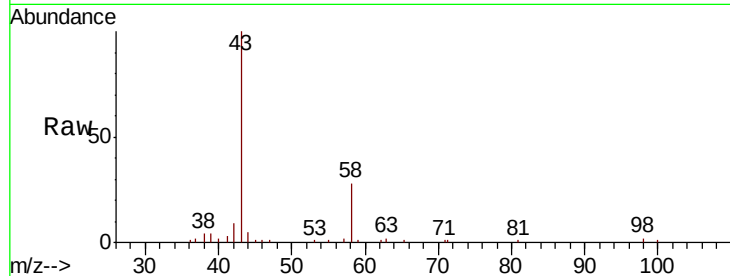
ETOC0

Tgt Ion: 43 Resp: 29648

Ion Ratio Lower Upper

43 100

58 28.3 0.0 53.4



#14

Carbon disulfide

Concen: 4.369 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW011805.D

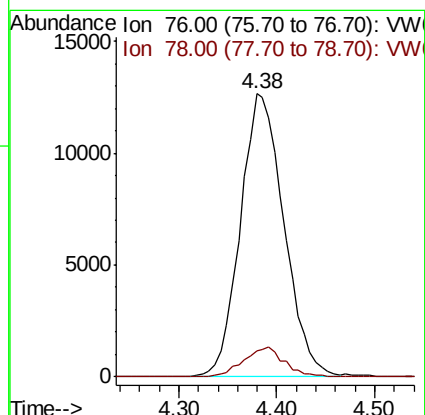
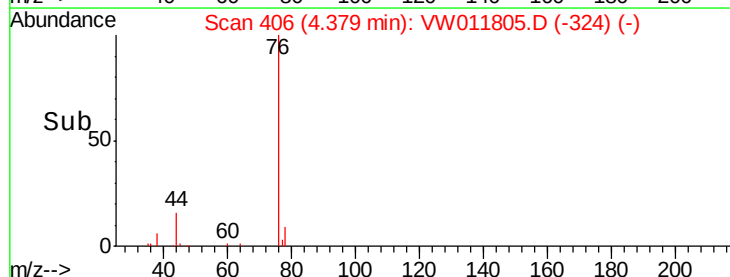
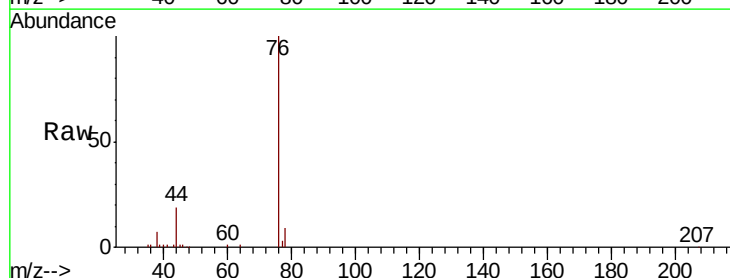
Acq: 09 Aug 2019 11:40

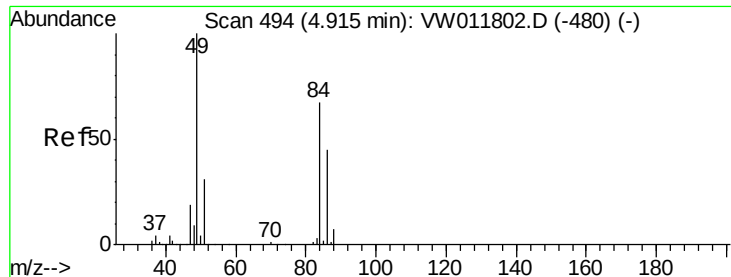
Tgt Ion: 76 Resp: 39064

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6

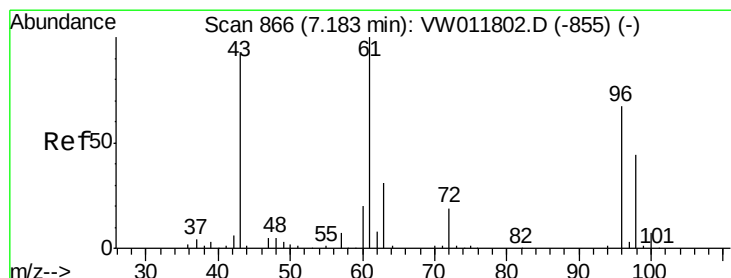
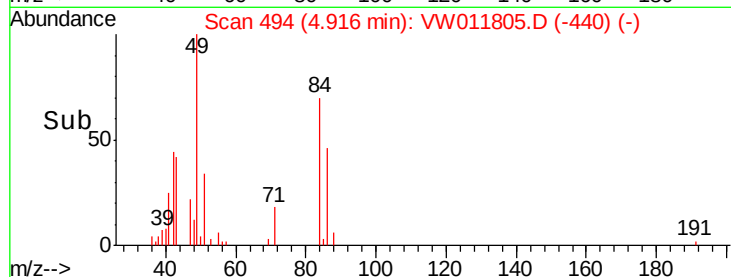
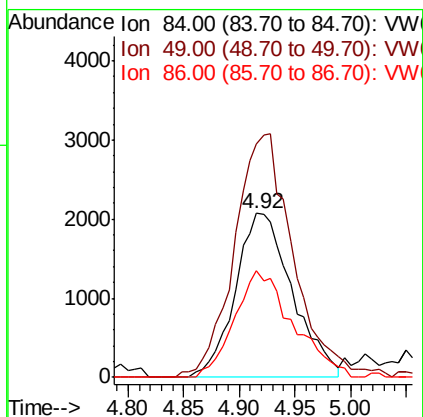
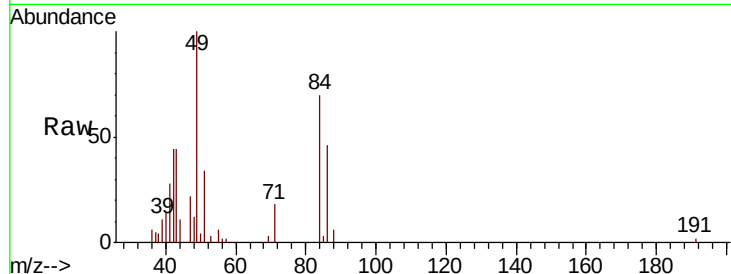




#16
Methylene chloride
Concen: 2.475 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011805.D
Acq: 09 Aug 2019 11:40

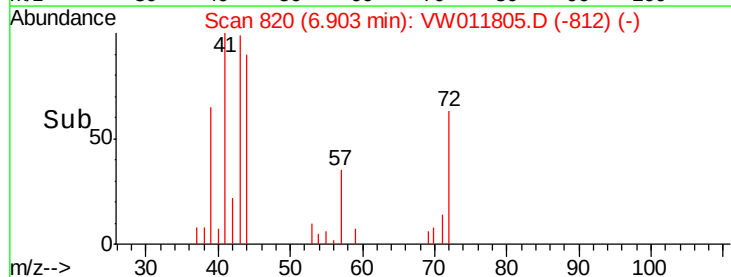
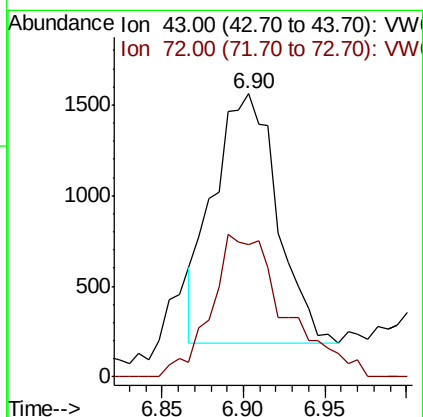
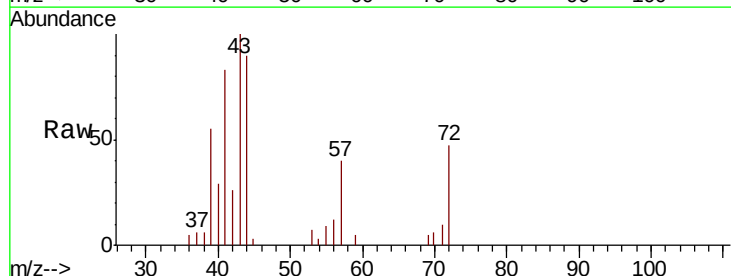
Instrument :
MSVOA_W
ClientSampleId :
ETOC0

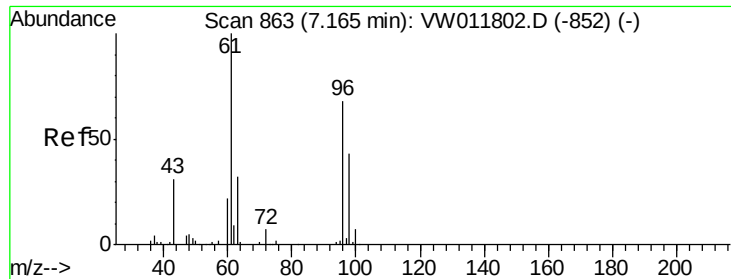
Tgt Ion: 84 Resp: 7381
Ion Ratio Lower Upper
84 100
49 142.3 106.8 198.4
86 64.9 42.8 79.4



#21
2-Butanone
Concen: 2.302 ug/L
RT: 6.90 min Scan# 820
Delta R.T. -0.28 min
Lab File: VW011805.D
Acq: 09 Aug 2019 11:40

Tgt Ion: 43 Resp: 3745
Ion Ratio Lower Upper
43 100
72 27.8 10.7 32.1



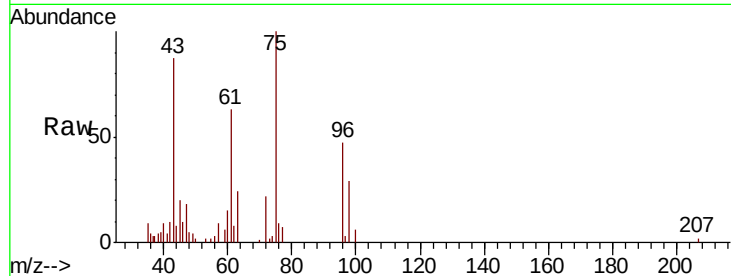


#22

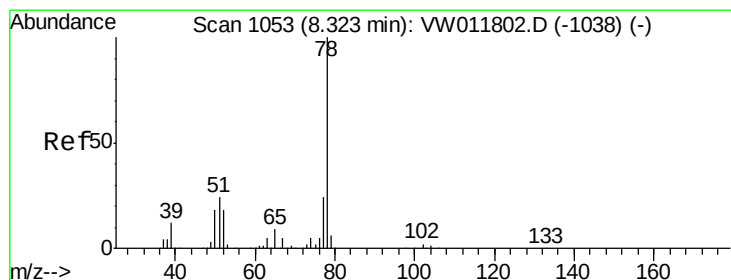
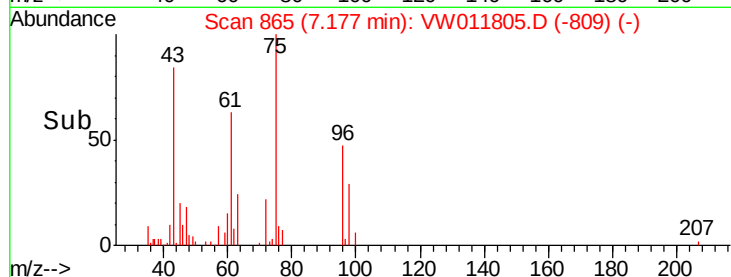
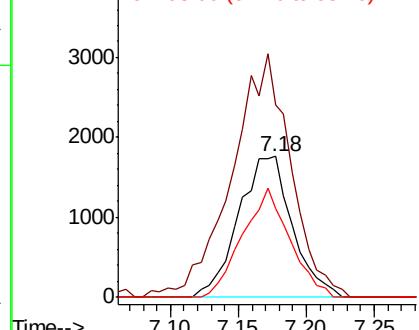
cis-1,2-Dichloroethene
 Concen: 1.645 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW011805.D
 Acq: 09 Aug 2019 11:40

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOC0

Tgt Ion: 96 Resp: 4881
 Ion Ratio Lower Upper
 96 100
 61 136.1 103.9 192.9
 98 63.3 43.5 80.9



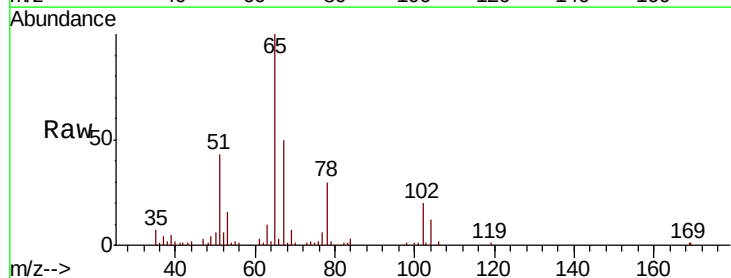
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



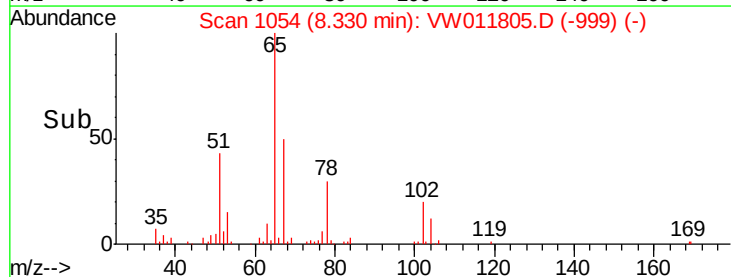
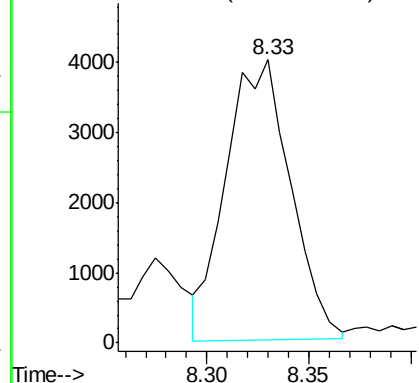
#34

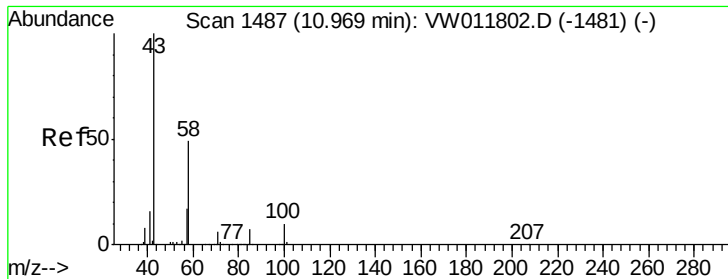
Benzene
 Concen: 0.988 ug/L
 RT: 8.33 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VW011805.D
 Acq: 09 Aug 2019 11:40

Tgt Ion: 78 Resp: 8769



Abundance Ion 78.00 (77.70 to 78.70): VW





#49

2-Hexanone

Concen: 4.391 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW011805.D

Acq: 09 Aug 2019 11:40

Instrument :

MSVOA_W

ClientSampled :

ETOC0

Tgt Ion: 43 Resp: 7259

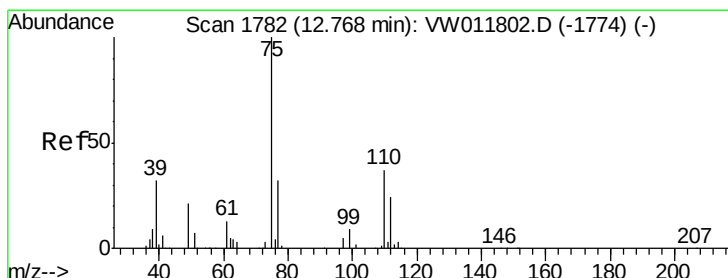
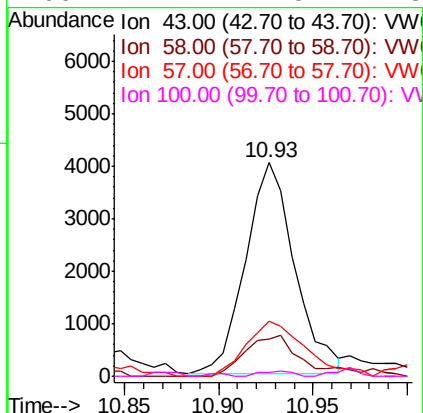
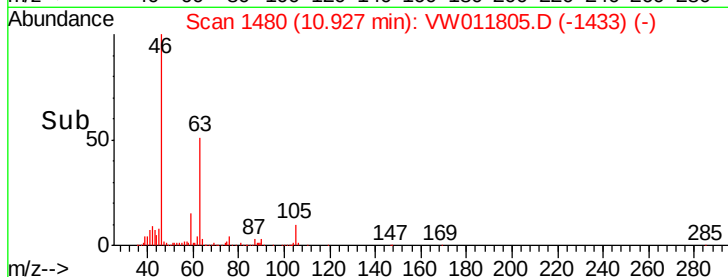
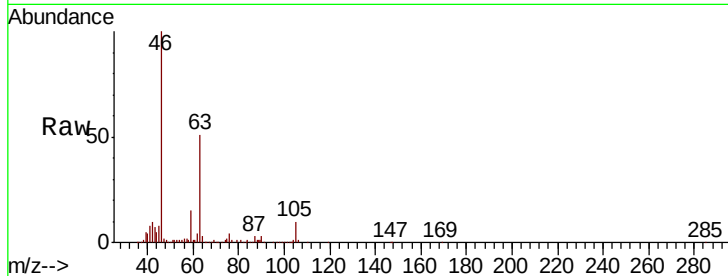
Ion Ratio Lower Upper

43 100

58 19.7 38.6 57.8#

57 31.0 13.0 19.6#

100 1.7 7.5 11.3#



#59

1,2,3-Trichloropropane

Concen: 2.916 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW011805.D

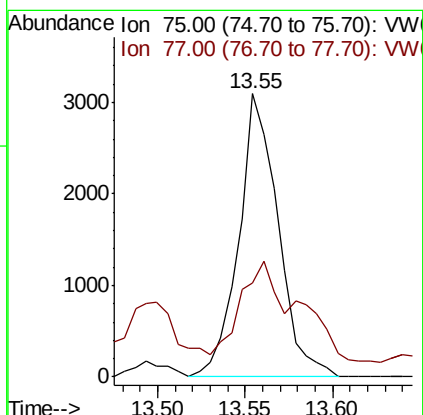
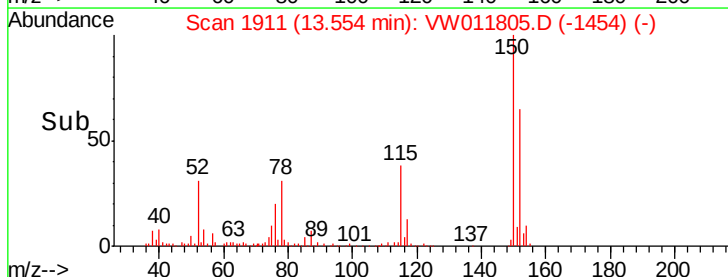
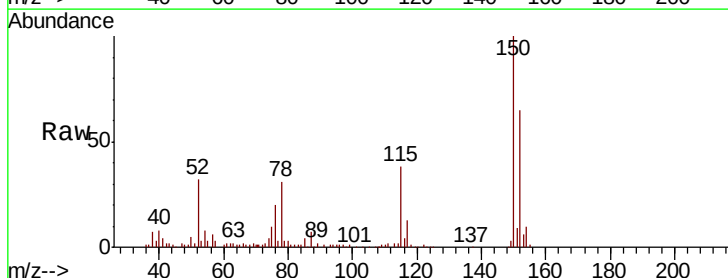
Acq: 09 Aug 2019 11:40

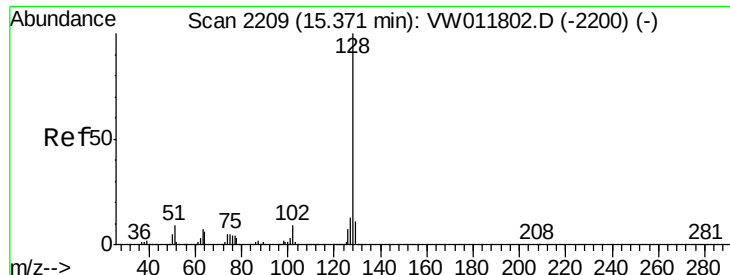
Tgt Ion: 75 Resp: 4825

Ion Ratio Lower Upper

75 100

77 30.3 25.1 37.7





#69

Naphthalene

Concen: 1.995 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011805.D

Acq: 09 Aug 2019 11:40

Instrument :

MSVOA_W

ClientSampleId :

ETOC0

Tgt Ion:128 Resp: 5463

Ion Ratio Lower Upper

128 100

129 7.4 8.7 13.1#

127 9.4 10.6 16.0#

