

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081119\
 Data File : VW011806.D
 Acq On : 09 Aug 2019 12:11
 Operator : SY/VA
 Sample : K4215-10
 Misc : 5.19G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOC1

Quant Time: Aug 10 03:47:01 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	164560	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	108896	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	28292	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	63516	27.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.64%
7) Chloroethane-d5	2.89	69	56216	33.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	134.72%
10) 1,1-Dichloroethene-d2	4.02	63	98480	18.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.16%
20) 2-Butanone-d5	7.08	46	81541	78.15	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	156.30%#
24) Chloroform-d	7.65	84	155736	34.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	137.84%
26) 1,2-Dichloroethane-d4	8.31	65	96781	36.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	144.72%#
29) Benzene-d6	8.27	84	272810	39.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	159.36%#
33) 1,2-Dichloropropane-d6	9.27	67	107363	48.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	194.28%#
37) Toluene-d8	10.32	98	171171	28.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.64%
38) trans-1,3-Dichloropropene-	10.58	79	19884	20.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.08%
39) 2-Hexanone-d5	10.93	63	44767	86.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	173.40%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	77179	42.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	168.16%#
61) 1,2-Dichlorobenzene-d4	13.85	152	35746	32.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	131.16%#

Target Compounds

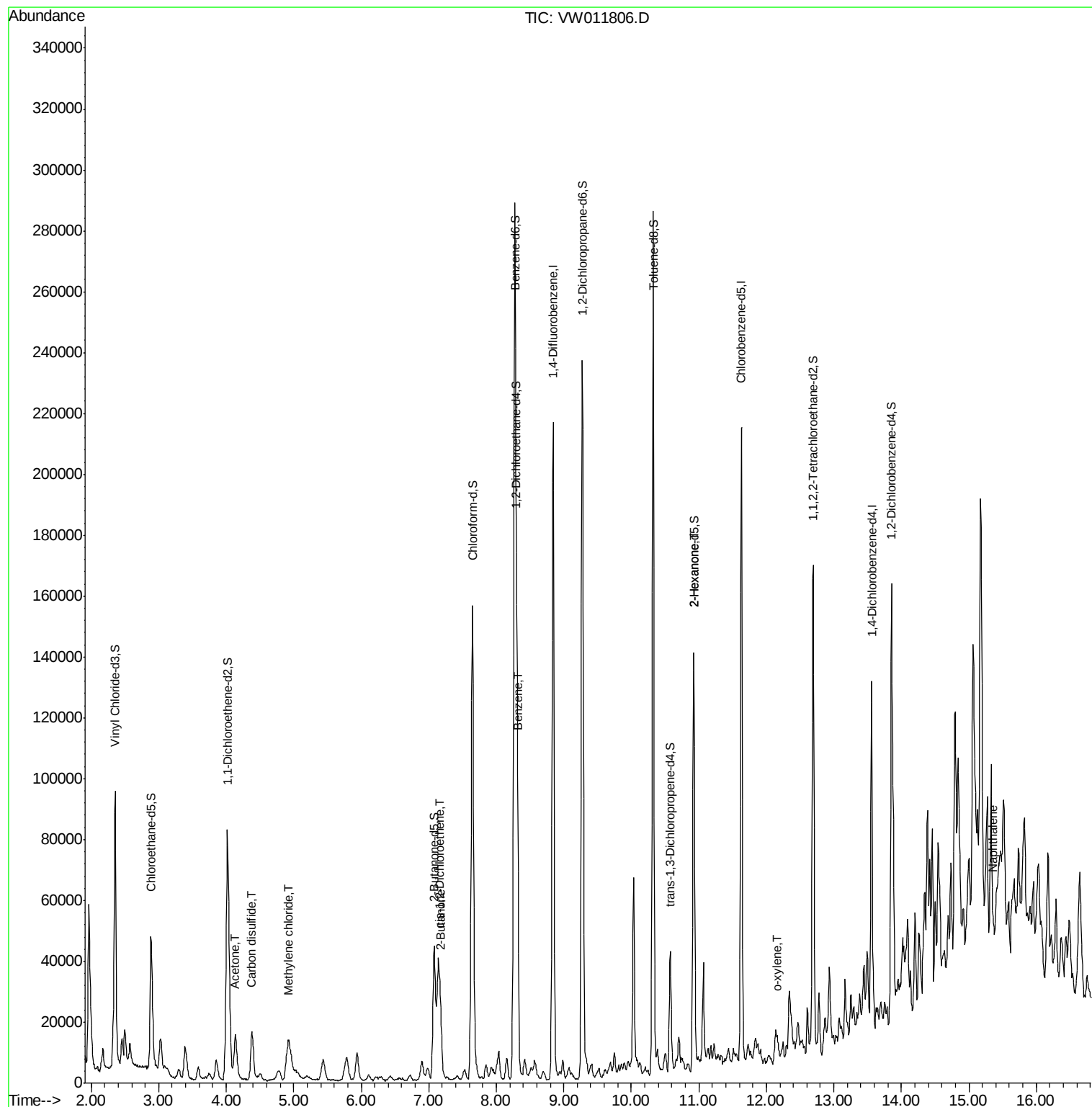
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.14	43	28087	25.135	ug/L	100
14) Carbon disulfide	4.38	76	34165	4.438	ug/L	100
16) Methylene chloride	4.92	84	7422	2.890	ug/L	91
21) 2-Butanone	7.18	43	11804	8.425	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	7630	2.987	ug/L	95
34) Benzene	8.32	78	8006	1.049	ug/L	100
49) 2-Hexanone	10.93	43	6868	4.830	ug/L #	66
55) o-xylene	12.16	106	1626	0.550	ug/L	65
69) Naphthalene	15.36	128	6285	2.742	ug/L #	90

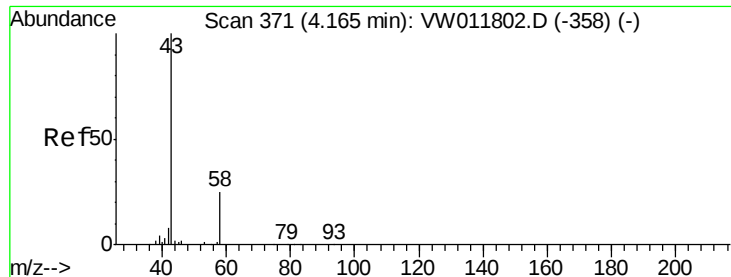
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 10 03:43:50 2019
Response via : Initial Calibration





#13

Acetone

Concen: 25.135 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.03 min

Lab File: VW011806.D

Acq: 09 Aug 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

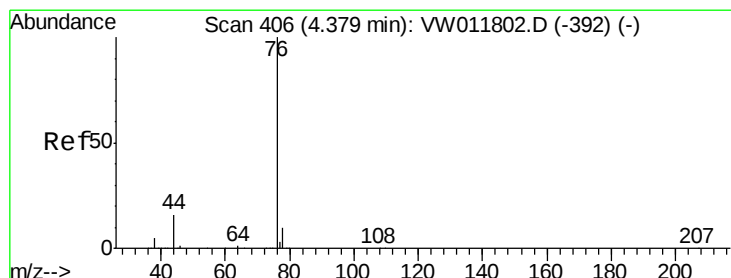
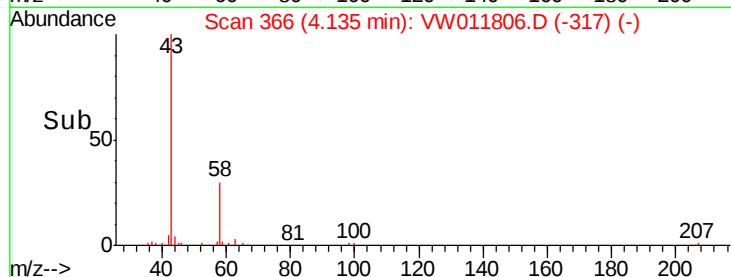
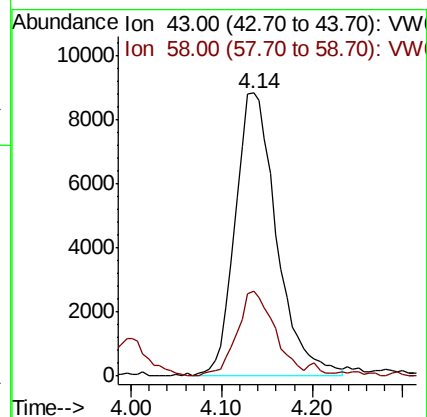
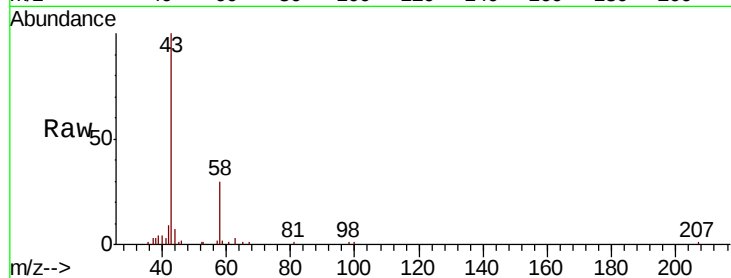
ETOC1

Tgt Ion: 43 Resp: 28087

Ion Ratio Lower Upper

43 100

58 26.6 0.0 53.4



#14

Carbon disulfide

Concen: 4.438 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW011806.D

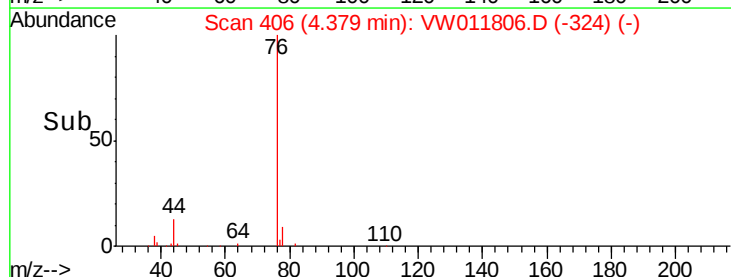
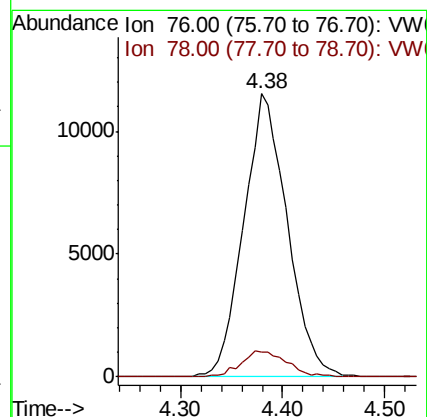
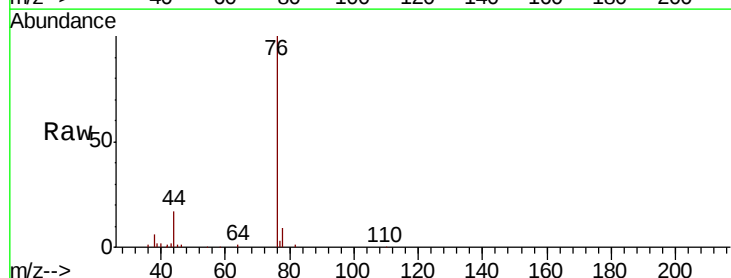
Acq: 09 Aug 2019 12:11

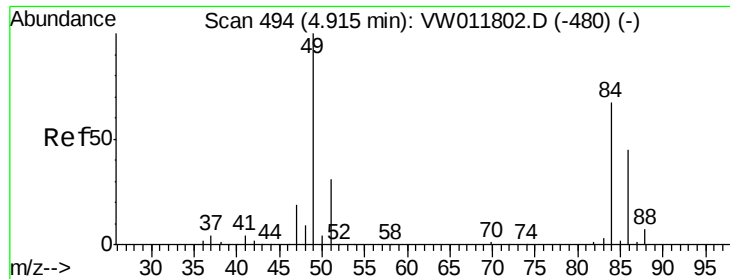
Tgt Ion: 76 Resp: 34165

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

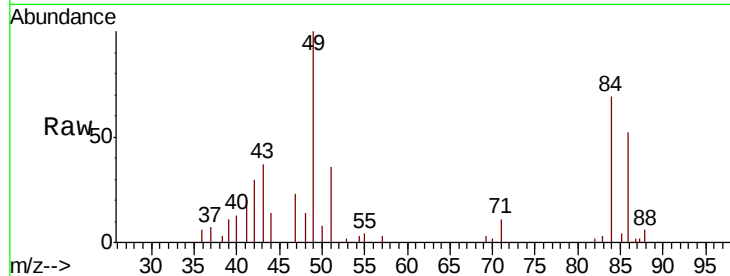




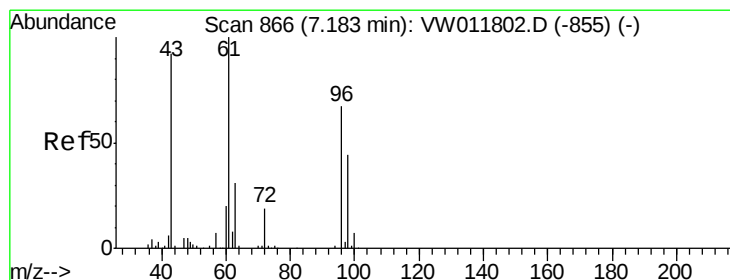
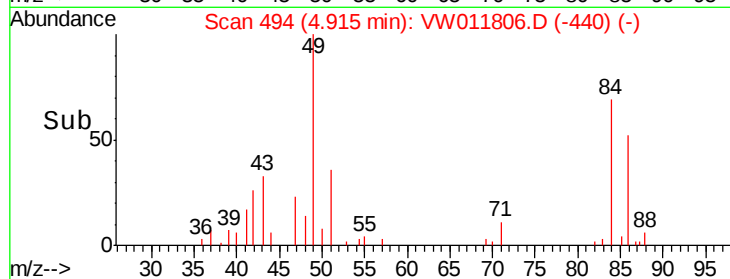
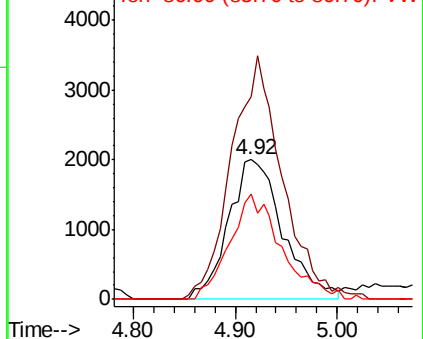
#16
Methylene chloride
Concen: 2.890 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011806.D
Acq: 09 Aug 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
ETOC1

Tgt Ion: 84 Resp: 7422
Ion Ratio Lower Upper
84 100
49 145.2 106.8 198.4
86 75.3 42.8 79.4

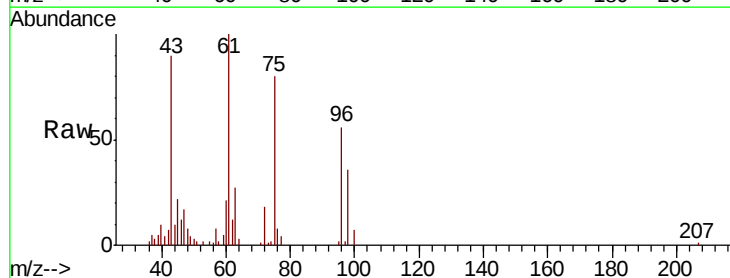


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

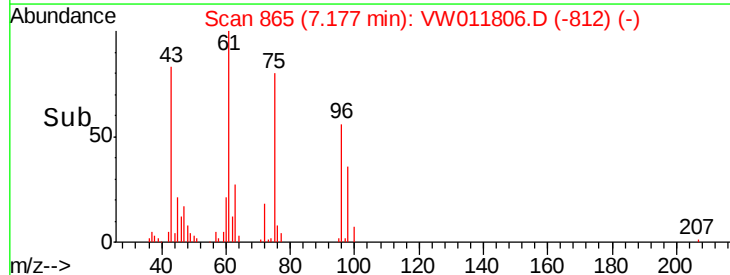
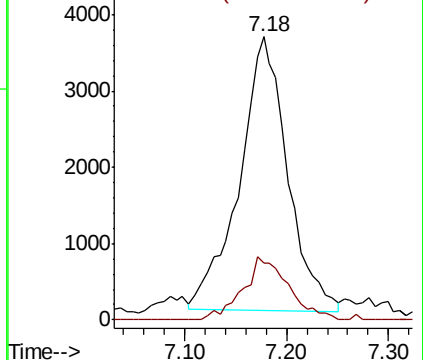


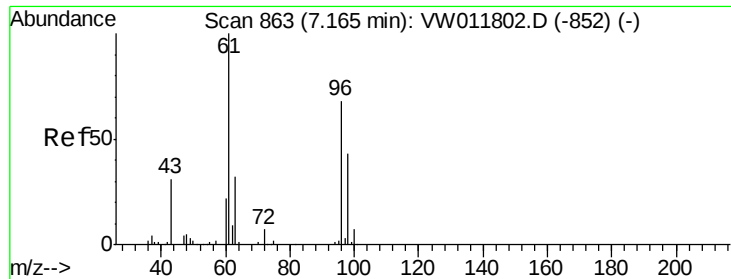
#21
2-Butanone
Concen: 8.425 ug/L
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW011806.D
Acq: 09 Aug 2019 12:11

Tgt Ion: 43 Resp: 11804
Ion Ratio Lower Upper
43 100
72 21.7 10.7 32.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



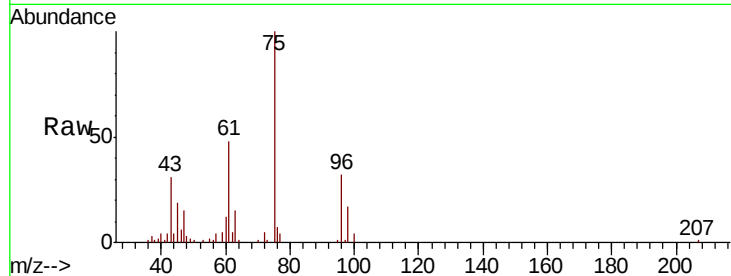


#22

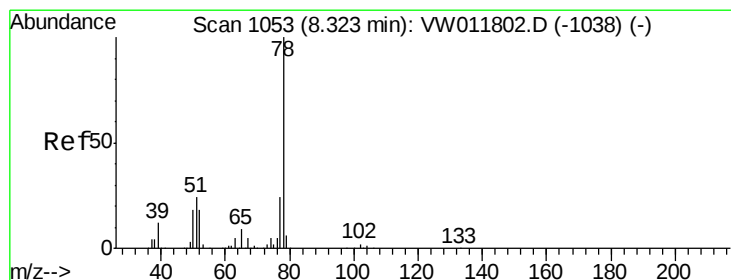
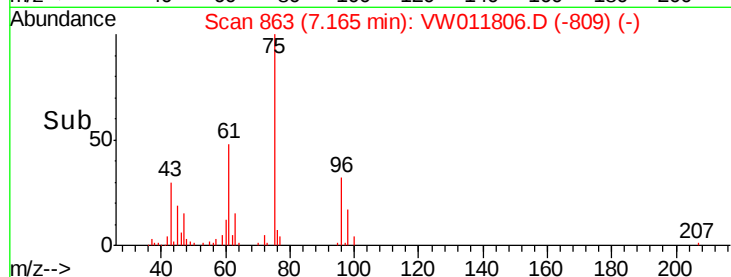
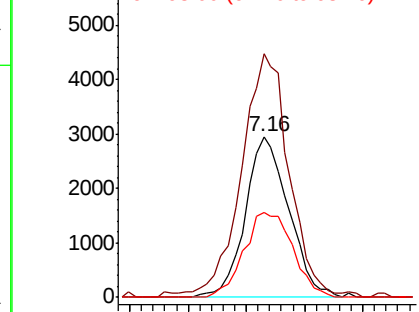
cis-1,2-Dichloroethene
 Concen: 2.987 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011806.D
 Acq: 09 Aug 2019 12:11

Instrument :
 MSVOA_W
 ClientSampled :
 ETOC1

Tgt Ion: 96 Resp: 7630
 Ion Ratio Lower Upper
 96 100
 61 151.6 103.9 192.9
 98 52.7 43.5 80.9



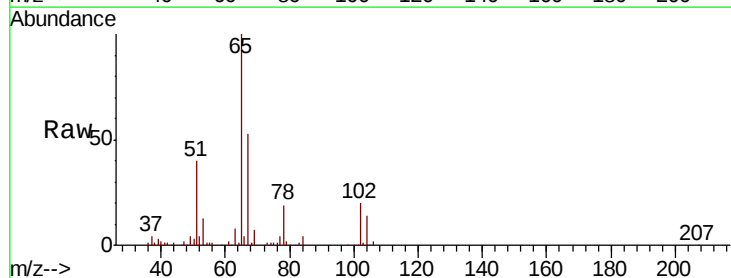
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



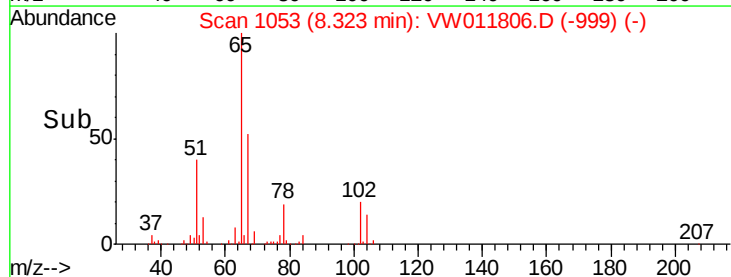
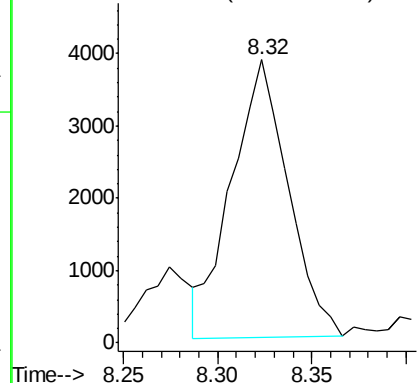
#34

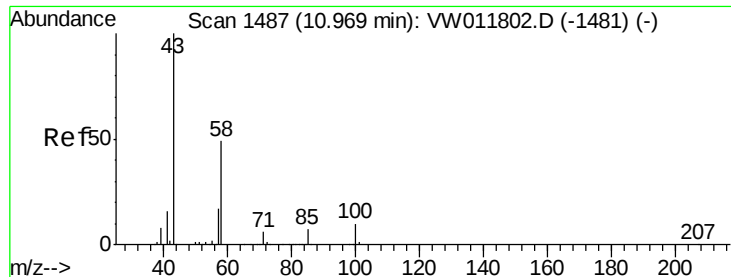
Benzene
 Concen: 1.049 ug/L
 RT: 8.32 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VW011806.D
 Acq: 09 Aug 2019 12:11

Tgt Ion: 78 Resp: 8006



Abundance Ion 78.00 (77.70 to 78.70): VW

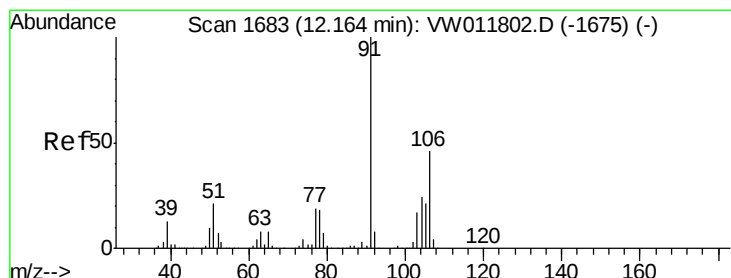
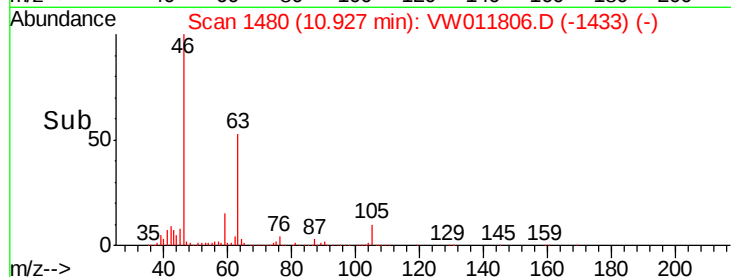
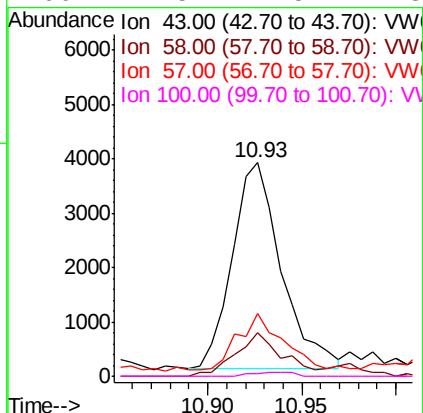
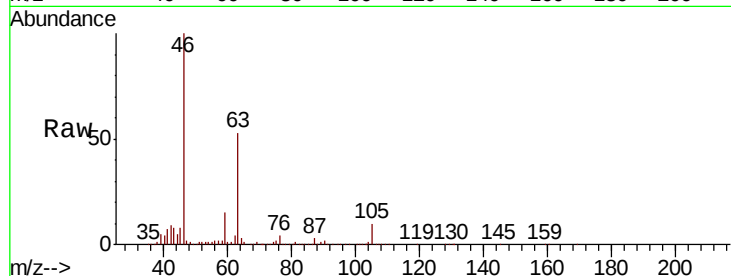




#49
2-Hexanone
Concen: 4.830 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW011806.D
Acq: 09 Aug 2019 12:11

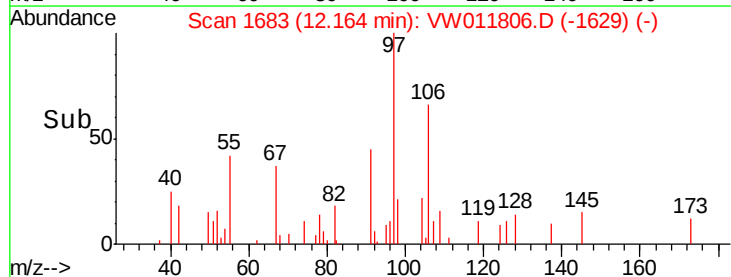
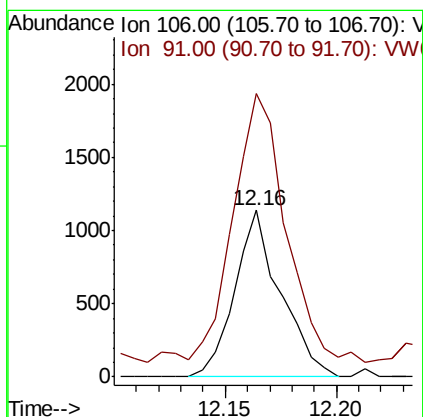
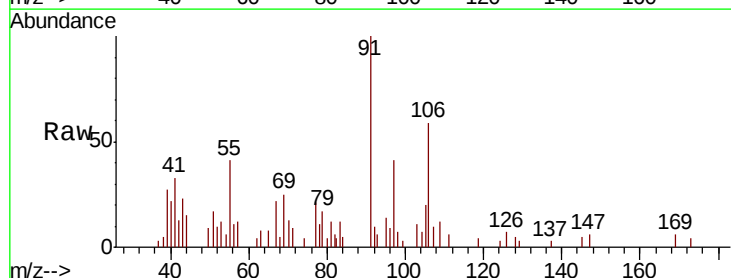
Instrument :
MSVOA_W
ClientSampleId :
ETOC1

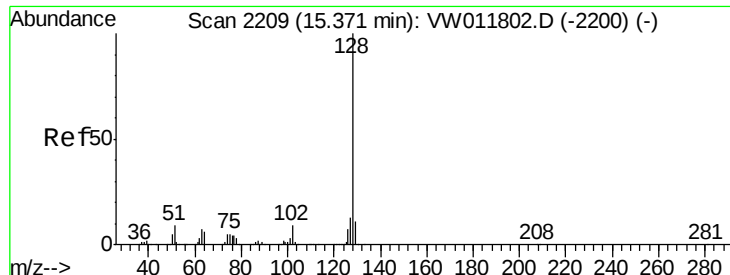
Tgt Ion: 43 Resp: 6868
Ion Ratio Lower Upper
43 100
58 20.2 38.6 57.8#
57 25.4 13.0 19.6#
100 1.5 7.5 11.3#



#55
o-xylene
Concen: 0.550 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011806.D
Acq: 09 Aug 2019 12:11

Tgt Ion: 106 Resp: 1626
Ion Ratio Lower Upper
106 100
91 169.6 158.3 293.9





#69

Naphthalene

Concen: 2.742 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011806.D

Acq: 09 Aug 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

ETOC1

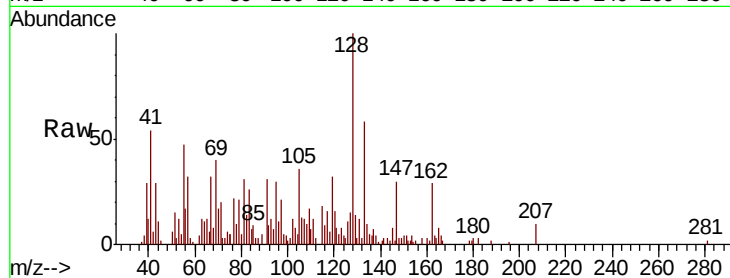
Tgt Ion:128 Resp: 6285

Ion Ratio Lower Upper

128 100

129 5.3 8.7 13.1#

127 11.1 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

