

Data File : VW011889.D
Acq On : 13 Aug 2019 12:21
Operator : SY/VA
Sample : K4215-20
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOD6

Quant Time: Aug 14 04:58:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 14 04:55:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	92650	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	48176	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	8363	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	40020	30.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.72%
7) Chloroethane-d5	2.89	69	38320	40.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	163.12%#
10) 1,1-Dichloroethene-d2	4.02	63	51794	17.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.28%
20) 2-Butanone-d5	7.08	46	30559	52.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.04%
24) Chloroform-d	7.65	84	83608	32.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	131.44%
26) 1,2-Dichloroethane-d4	8.31	65	61621	40.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	163.68%#
29) Benzene-d6	8.27	84	130693	43.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	172.56%#
33) 1,2-Dichloropropane-d6	9.27	67	50397	51.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	206.12%#
37) Toluene-d8	10.32	98	60818	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
38) trans-1,3-Dichloropropene-	10.58	79	13295	31.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	124.08%
39) 2-Hexanone-d5	10.93	63	17669	77.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	154.70%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	31756	39.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	156.40%#
61) 1,2-Dichlorobenzene-d4	13.86	152	7458	23.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.56%

Target Compounds

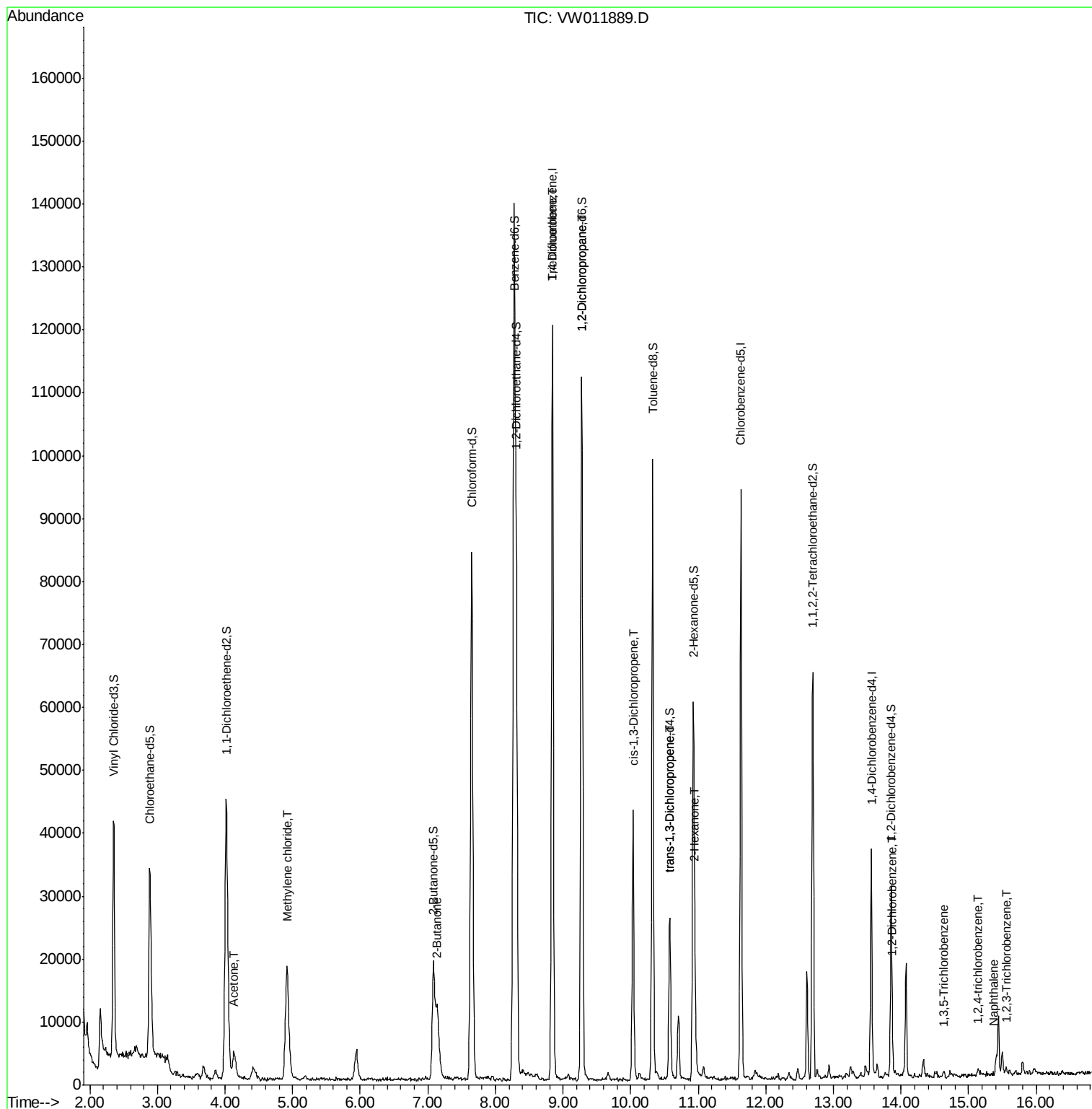
					Qvalue	
13) Acetone	4.13	43	7551	12.002	ug/L	80
16) Methylene chloride	4.92	84	8918	6.168	ug/L	93
21) 2-Butanone	7.14	43	13985	17.729	ug/L #	55
35) Trichloroethene	8.85	95	3035	3.541	ug/L #	6
40) 1,2-Dichloropropane	9.28	63	5954	6.607	ug/L #	88
42) cis-1,3-Dichloropropene	10.03	75	950	0.705	ug/L #	43
45) trans-1,3-Dichloropropene	10.59	75	735	0.655	ug/L #	63
49) 2-Hexanone	10.95	43	8972	14.263	ug/L #	45
65) 1,2-Dichlorobenzene	13.88	146	334	0.650	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.63	180	349	0.835	ug/L #	72
68) 1,2,4-trichlorobenzene	15.14	180	322	0.957	ug/L #	35
69) Naphthalene	15.37	128	589	0.869	ug/L #	69
70) 1,2,3-Trichlorobenzene	15.56	180	251	0.805	ug/L #	56

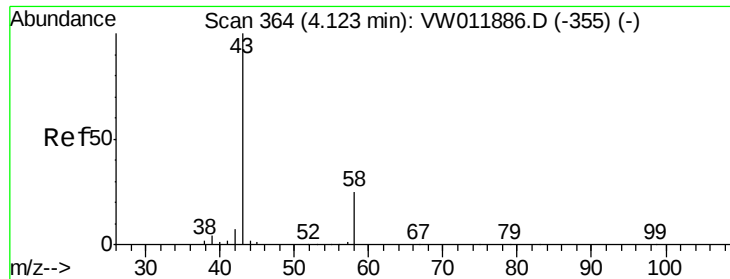
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW011889.D
Acq On : 13 Aug 2019 12:21
Operator : SY/VA
Sample : K4215-20
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETOD6

Quant Time: Aug 14 04:58:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 14 04:55:20 2019
Response via : Initial Calibration





#13

Acetone

Concen: 12.002 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011889.D

Acq: 13 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampled :

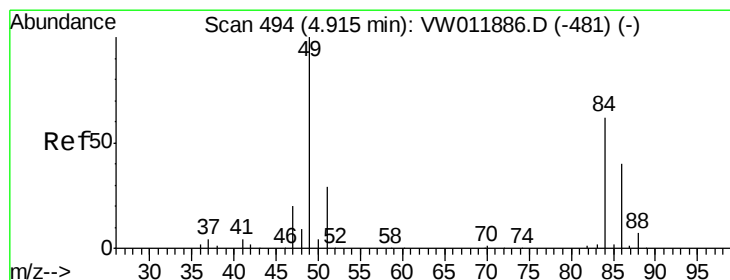
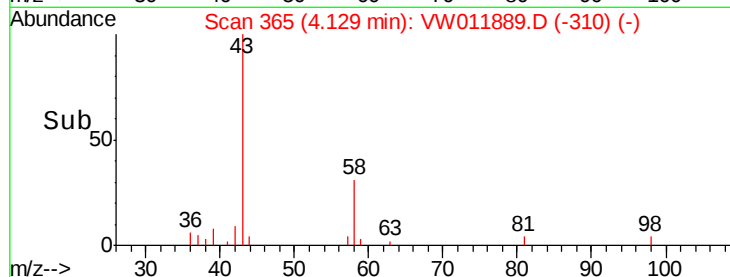
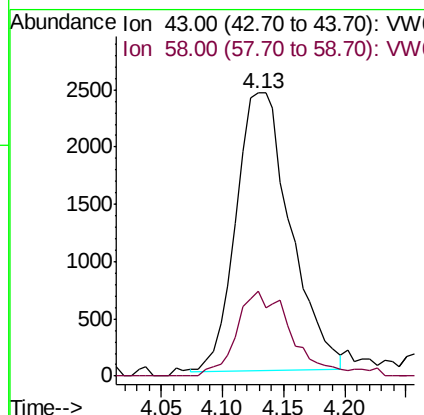
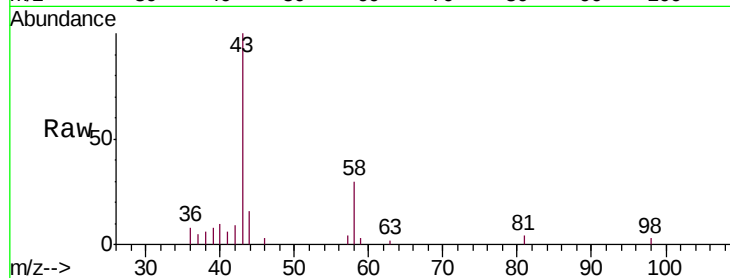
ETOD6

Tgt Ion: 43 Resp: 7551

Ion Ratio Lower Upper

43 100

58 16.4 0.0 53.4



#16

Methylene chloride

Concen: 6.168 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW011889.D

Acq: 13 Aug 2019 12:21

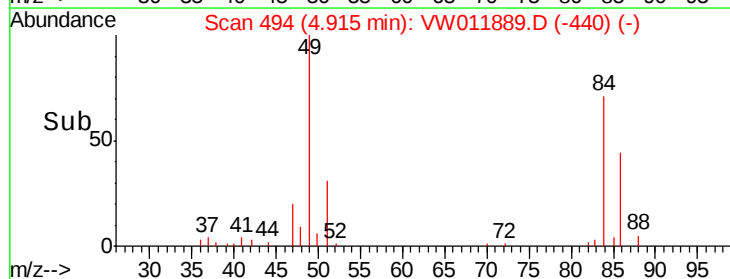
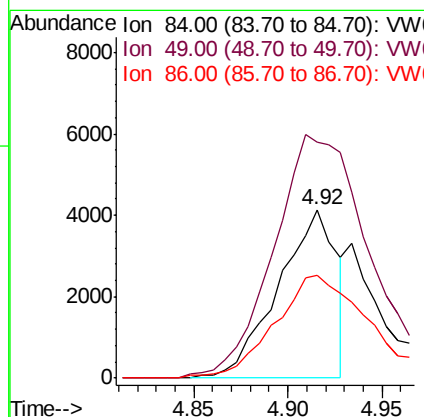
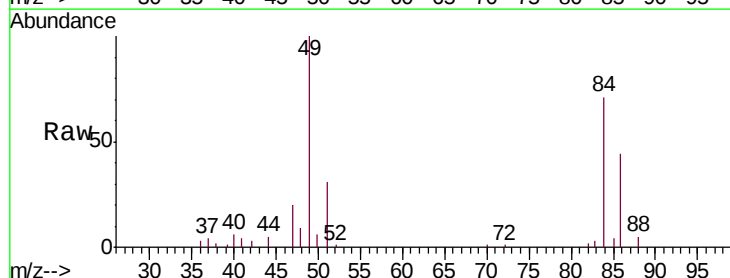
Tgt Ion: 84 Resp: 8918

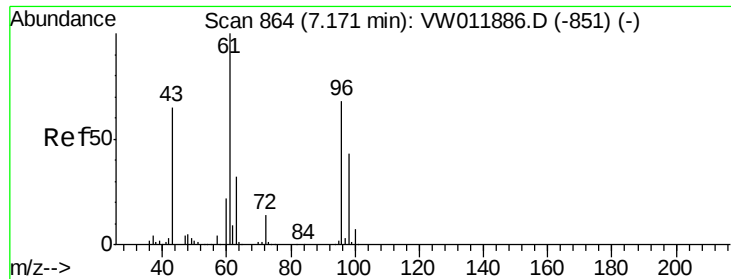
Ion Ratio Lower Upper

84 100

49 140.5 106.8 198.4

86 61.4 42.8 79.4





#21

2-Butanone

Concen: 17.729 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011889.D

Acq: 13 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

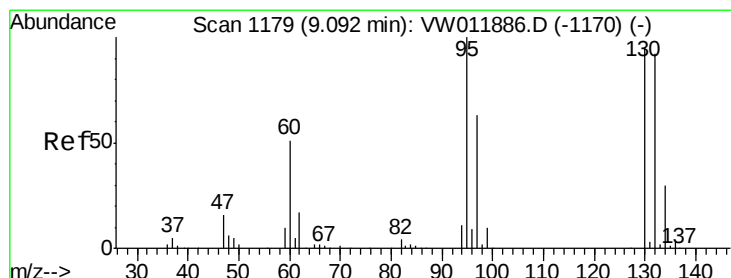
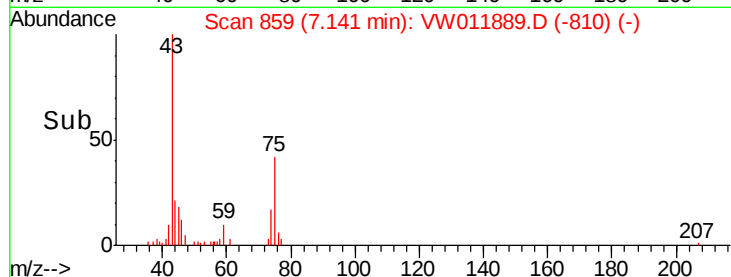
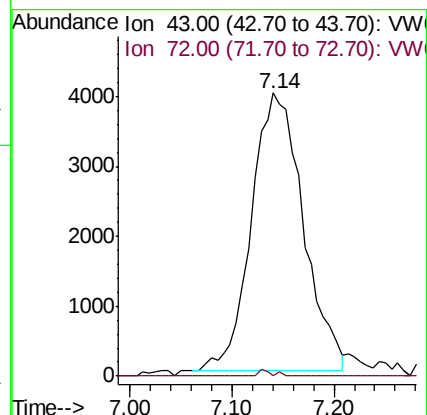
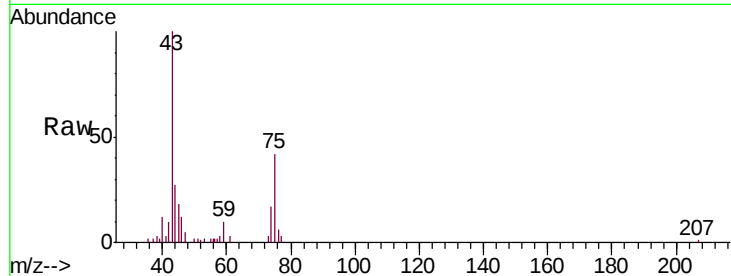
ETOD6

Tgt Ion: 43 Resp: 13985

Ion Ratio Lower Upper

43 100

72 0.2 10.7 32.1#



#35

Trichloroethene

Concen: 3.541 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW011889.D

Acq: 13 Aug 2019 12:21

Tgt Ion: 95 Resp: 3035

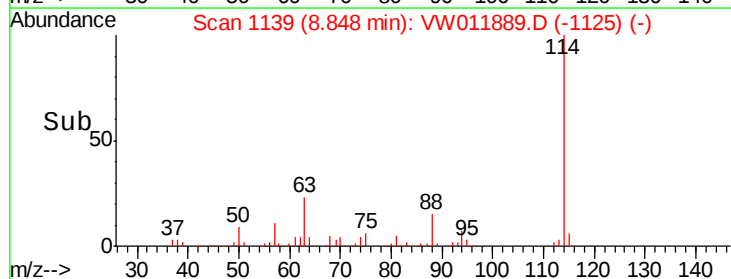
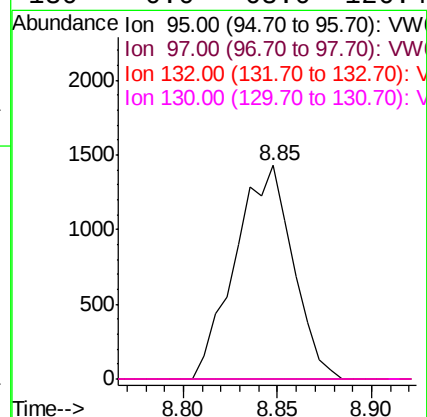
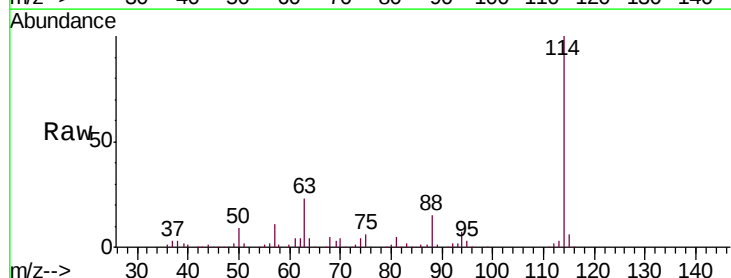
Ion Ratio Lower Upper

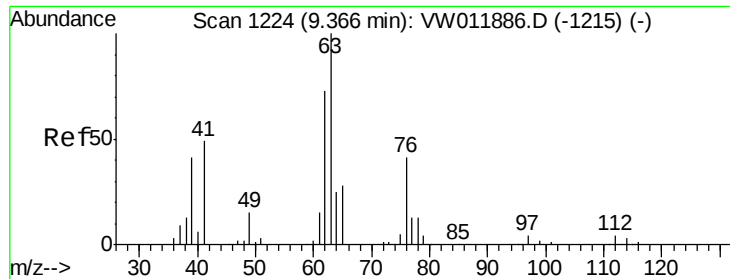
95 100

97 0.0 44.8 83.2#

132 0.0 65.0 120.6#

130 0.0 68.0 126.4#

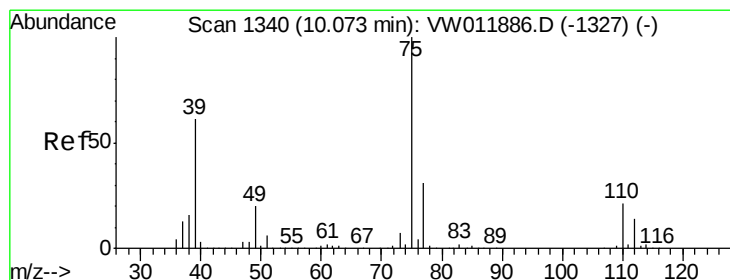
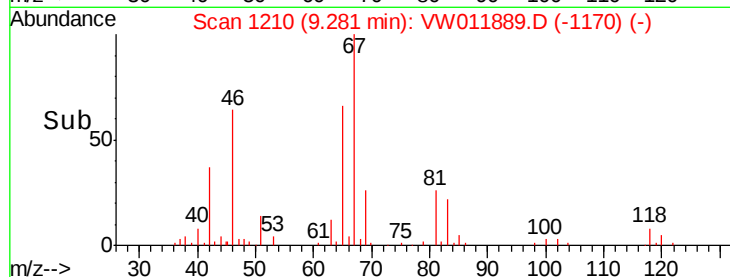
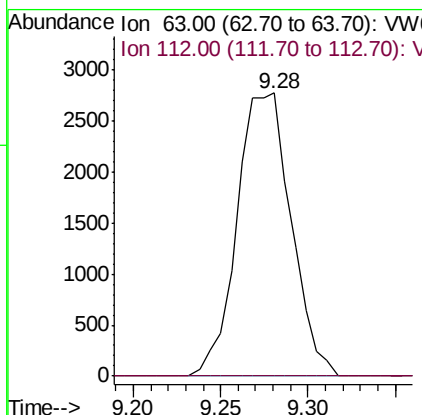
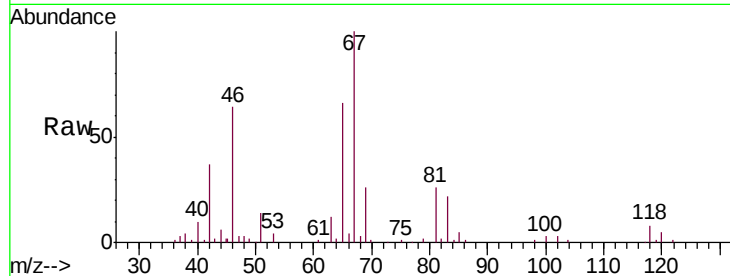




#40
 1,2-Dichloropropane
 Concen: 6.607 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW011889.D
 Acq: 13 Aug 2019 12:21

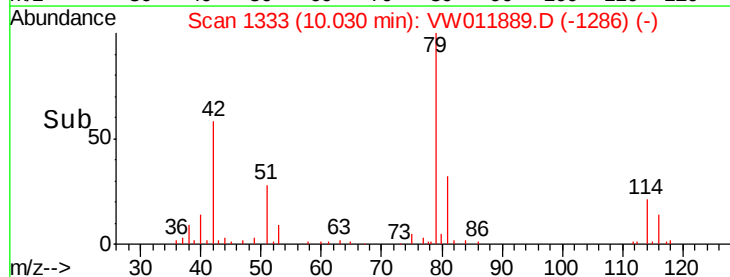
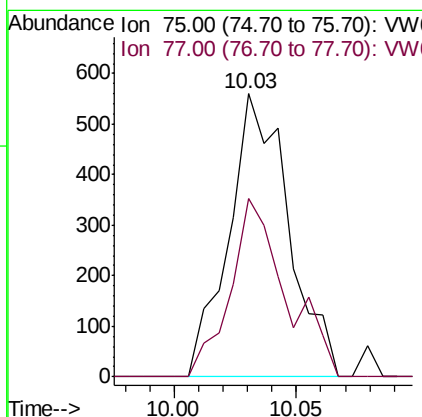
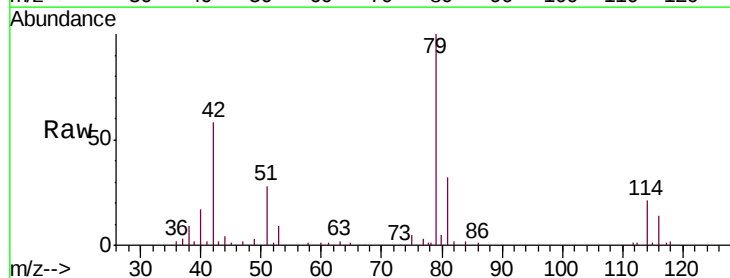
Instrument :
 MSVOA_W
 ClientSampleId :
 ETOD6

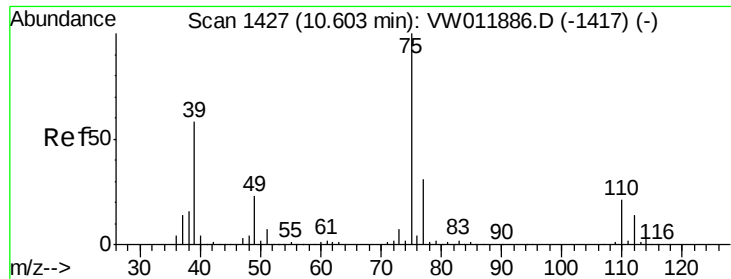
Tgt Ion: 63 Resp: 5954
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#42
 cis-1,3-Dichloropropene
 Concen: 0.705 ug/L
 RT: 10.03 min Scan# 1333
 Delta R.T. -0.04 min
 Lab File: VW011889.D
 Acq: 13 Aug 2019 12:21

Tgt Ion: 75 Resp: 950
 Ion Ratio Lower Upper
 75 100
 77 63.2 22.3 41.3#





#45

trans-1,3-Dichloropropene

Concen: 0.655 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW011889.D

Acq: 13 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampled :

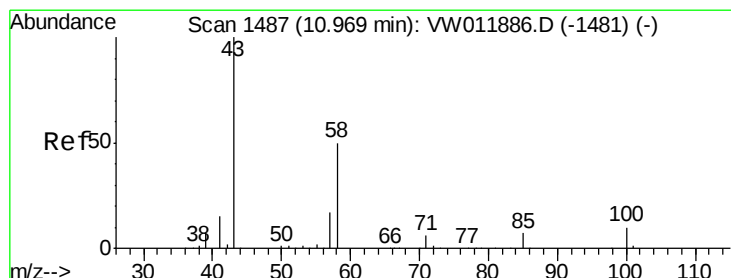
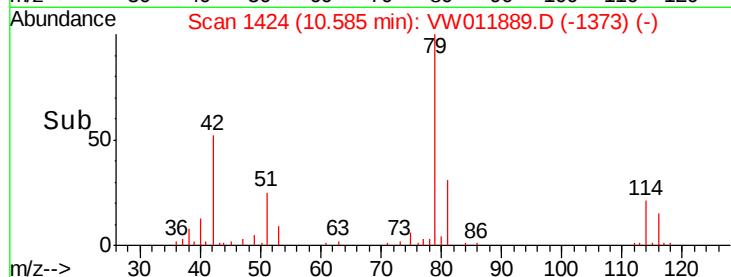
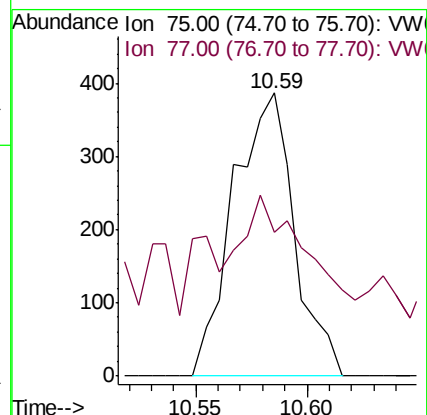
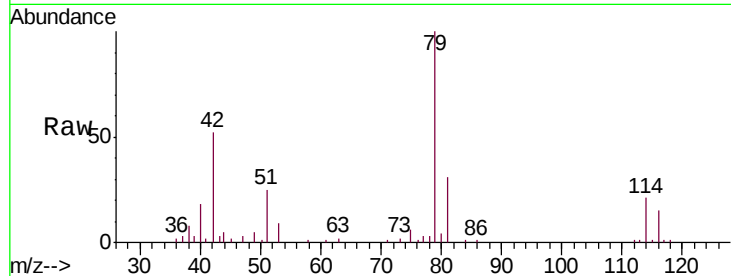
ETOD6

Tgt Ion: 75 Resp: 735

Ion Ratio Lower Upper

75 100

77 50.9 21.6 40.0#



#49

2-Hexanone

Concen: 14.263 ug/L

RT: 10.95 min Scan# 1484

Delta R.T. -0.02 min

Lab File: VW011889.D

Acq: 13 Aug 2019 12:21

Tgt Ion: 43 Resp: 8972

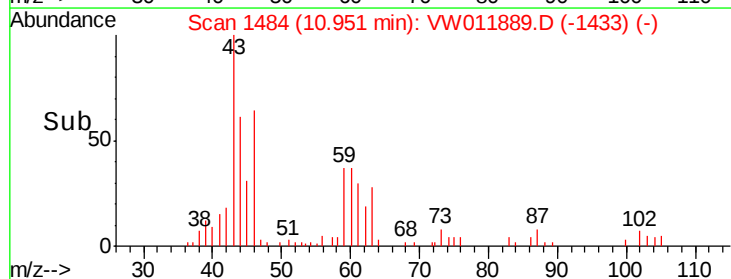
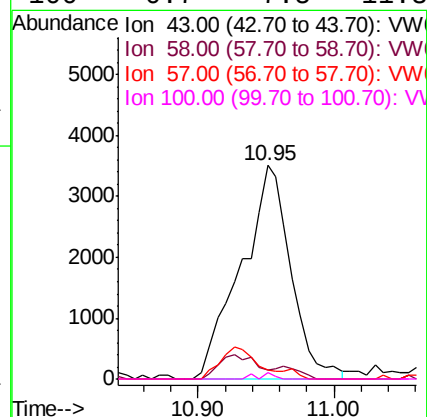
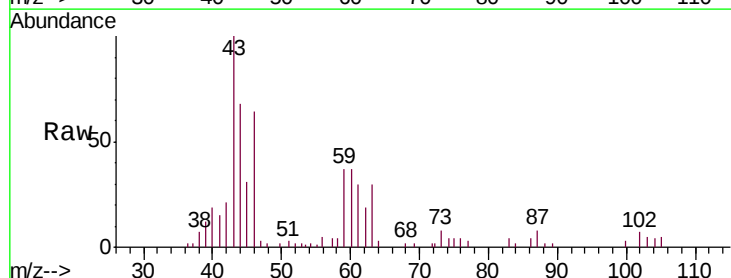
Ion Ratio Lower Upper

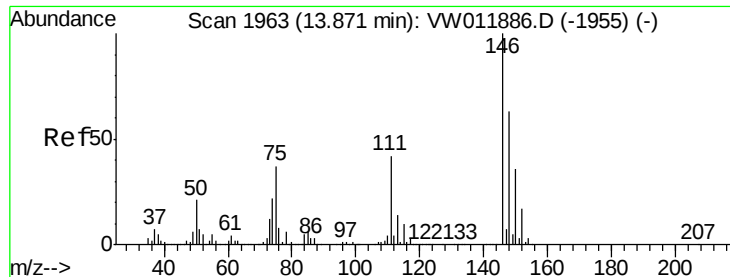
43 100

58 3.0 38.6 57.8#

57 1.0 13.0 19.6#

100 0.7 7.5 11.3#

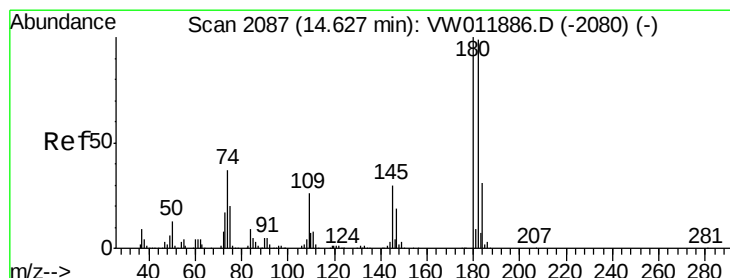
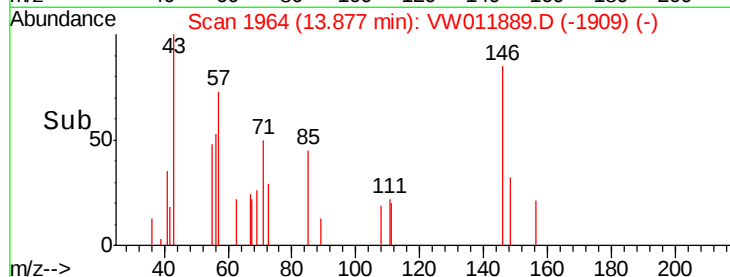
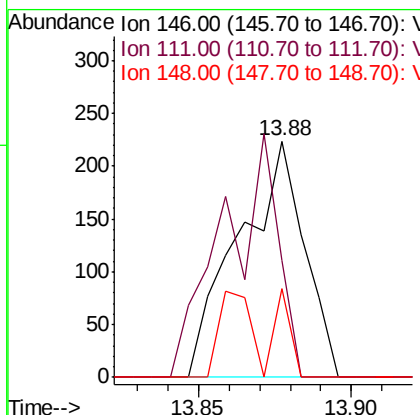
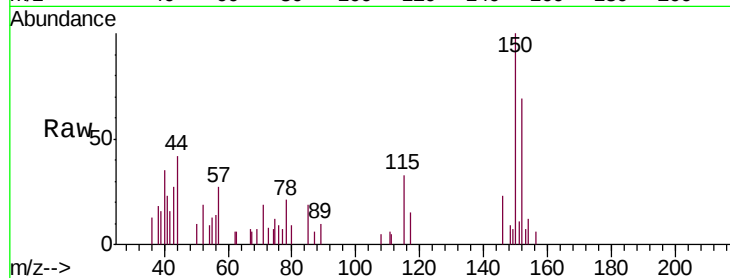




#65
 1,2-Dichlorobenzene
 Concen: 0.650 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW011889.D
 Acq: 13 Aug 2019 12:21

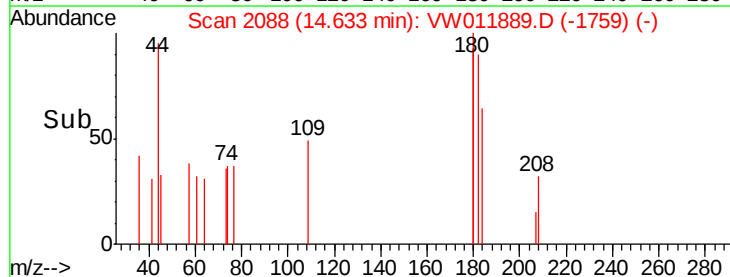
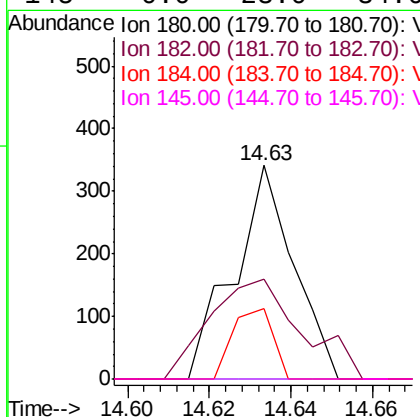
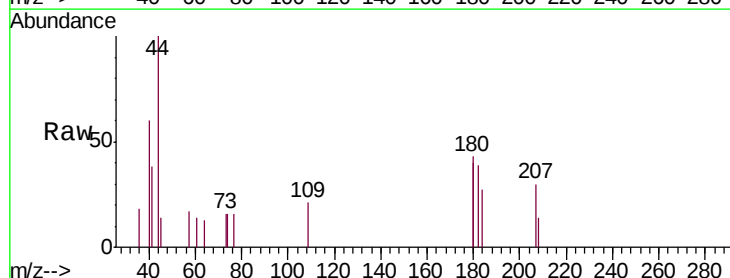
Instrument :
 MSVOA_W
 ClientSampleId :
 ETOD6

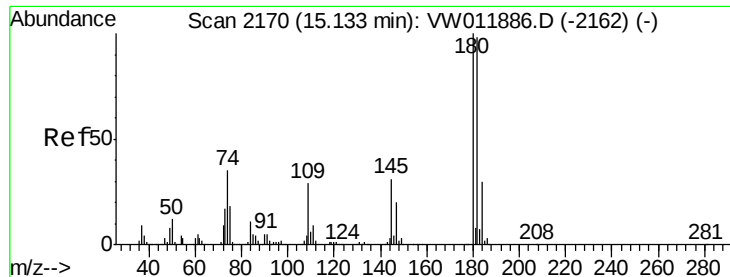
Tgt Ion:146 Resp: 334
 Ion Ratio Lower Upper
 146 100
 111 49.6 34.6 51.8
 148 37.5 50.9 76.3#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.835 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW011889.D
 Acq: 13 Aug 2019 12:21

Tgt Ion:180 Resp: 349
 Ion Ratio Lower Upper
 180 100
 182 71.6 75.9 113.9#
 184 22.3 24.2 36.2#
 145 0.0 23.0 34.6#

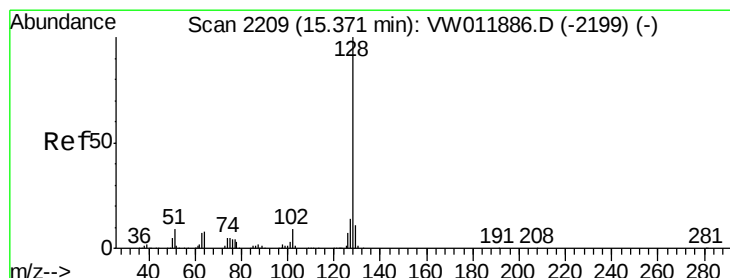
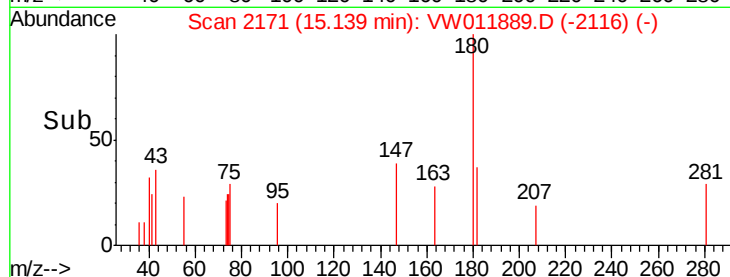
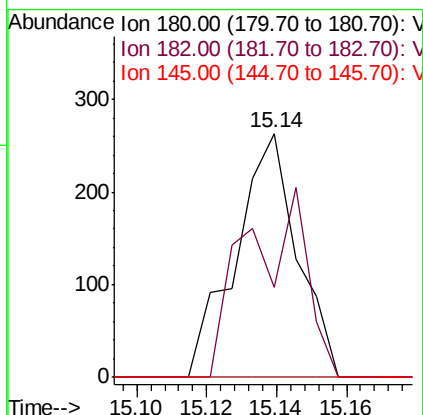
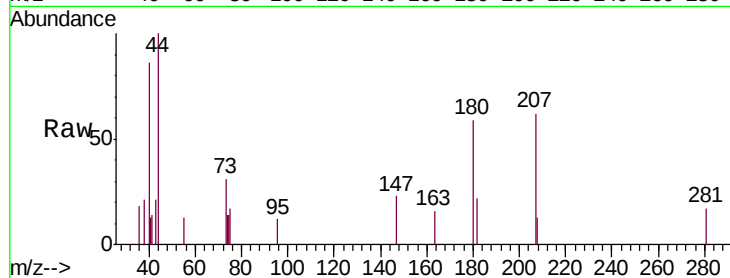




#68
 1,2,4-trichlorobenzene
 Concen: 0.957 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011889.D
 Acq: 13 Aug 2019 12:21

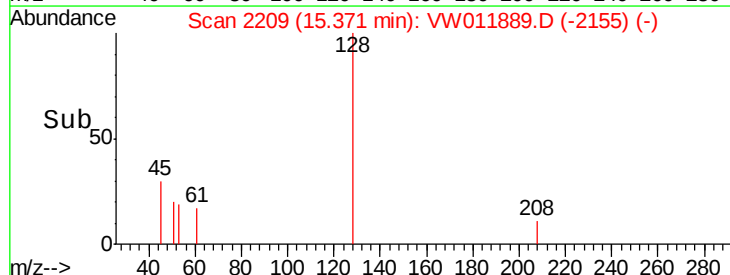
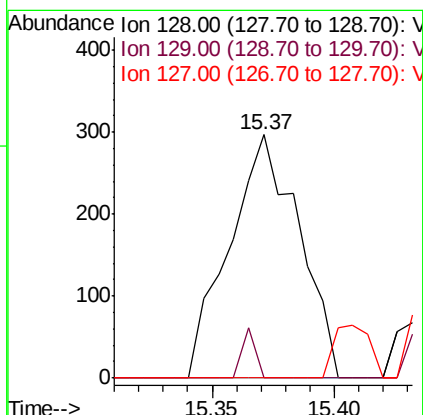
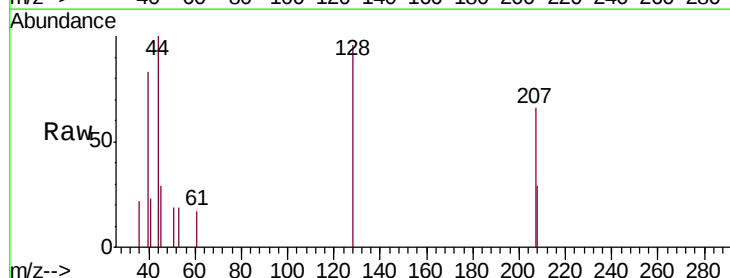
Instrument :
 MSVOA_W
 ClientSampleId :
 ETOD6

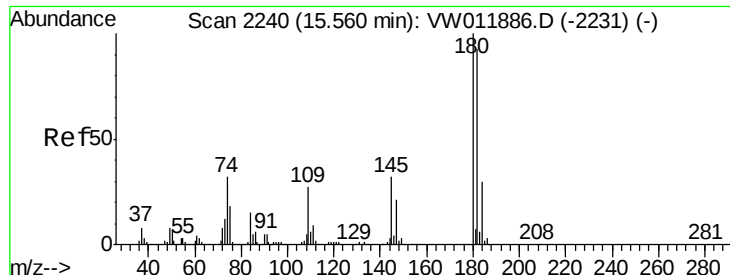
Tgt Ion:180 Resp: 322
 Ion Ratio Lower Upper
 180 100
 182 30.1 77.3 115.9#
 145 0.0 24.3 36.5#



#69
 Naphthalene
 Concen: 0.869 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW011889.D
 Acq: 13 Aug 2019 12:21

Tgt Ion:128 Resp: 589
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.7 13.1#
 127 0.0 10.6 16.0#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.805 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW011889.D
 Acq: 13 Aug 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOD6

Tgt Ion:180 Resp: 251
 Ion Ratio Lower Upper
 180 100
 182 38.2 74.9 112.3#
 145 30.3 25.6 38.4

