

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009424.D
 Acq On : 25 Mar 2019 13:23
 Operator : SY/VA
 Sample : K1988-07
 Misc : 6.21G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 26 07:51:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 07:46:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	425508	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	388951	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	149730	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	98959	19.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.84%
7) Chloroethane-d5	2.89	69	112522	18.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.64%
10) 1,1-Dichloroethene-d2	4.01	63	167617	15.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.00%
20) 2-Butanone-d5	7.07	46	75891	36.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.18%
24) Chloroform-d	7.65	84	263180	22.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.64%
26) 1,2-Dichloroethane-d4	8.30	65	162110	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.68%
29) Benzene-d6	8.27	84	463949	21.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.52%
33) 1,2-Dichloropropane-d6	9.27	67	151174	23.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.84%
37) Toluene-d8	10.32	98	398980	20.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.48%
38) trans-1,3-Dichloropropene-	10.57	79	63792	19.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.88%
39) 2-Hexanone-d5	10.93	63	58504	37.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	143003	22.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	129665	22.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.32%

Target Compounds

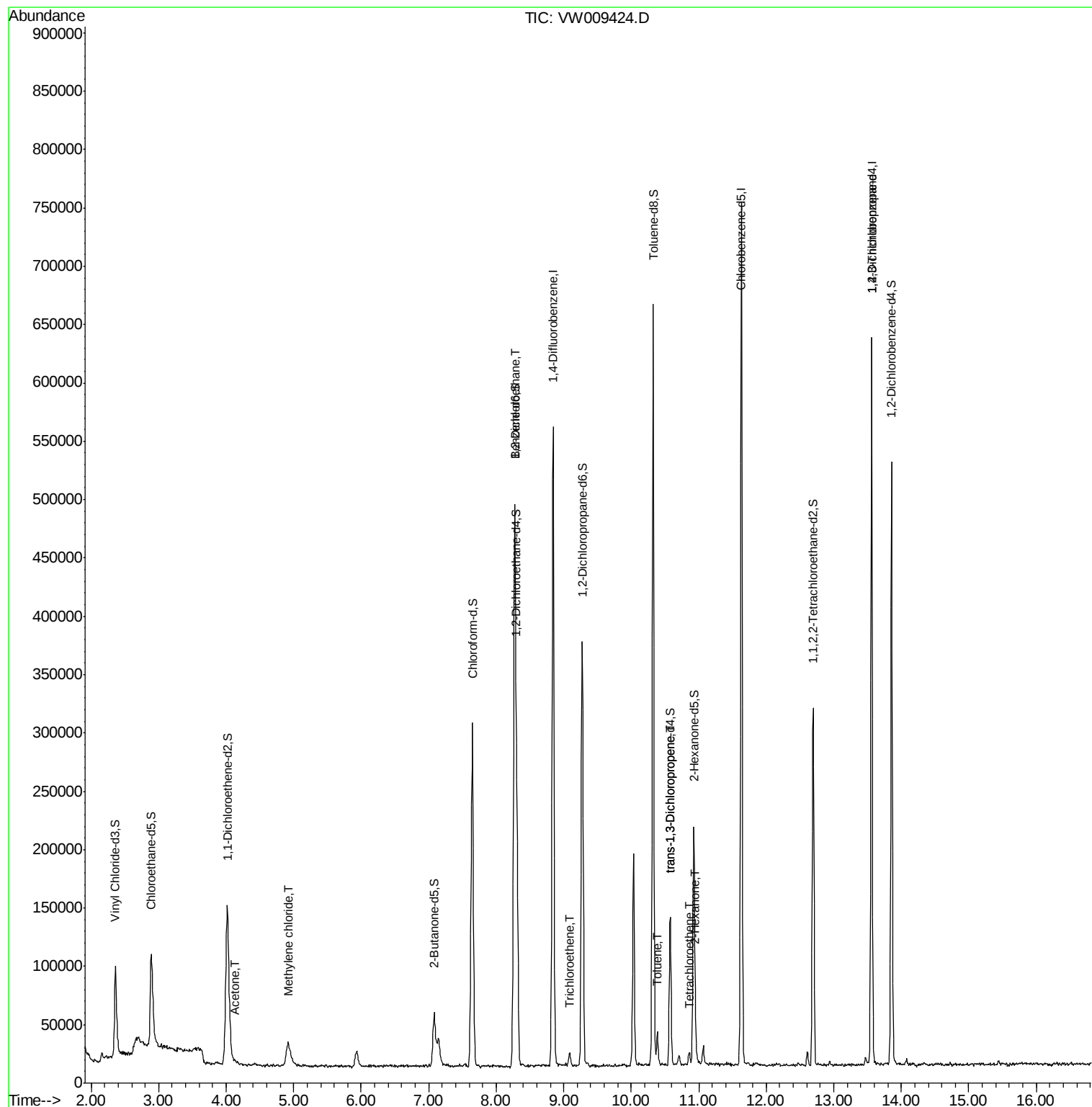
					Ovalue
13) Acetone	4.12	43	2824	1.638 ug/L	65
16) Methylene chloride	4.92	84	17787	2.867 ug/L	94
27) 1,2-Dichloroethane	8.27	62	3412	0.435 ug/L	97
35) Trichloroethene	9.09	95	3059	0.539 ug/L	95
44) Toluene	10.39	91	18693	0.803 ug/L	99
45) trans-1,3-Dichloropropene	10.58	75	3553	0.459 ug/L	89
47) Tetrachloroethene	10.87	164	2245	0.468 ug/L #	65
49) 2-Hexanone	10.95	43	9749	2.796 ug/L #	58
59) 1,2,3-Trichloropropane	13.56	75	20085	4.603 ug/L	91

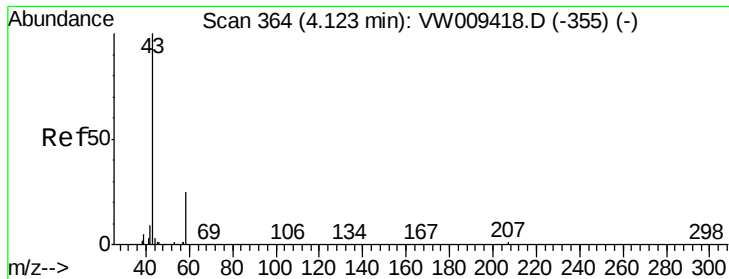
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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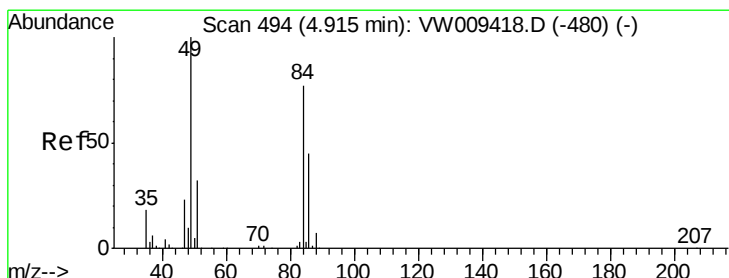
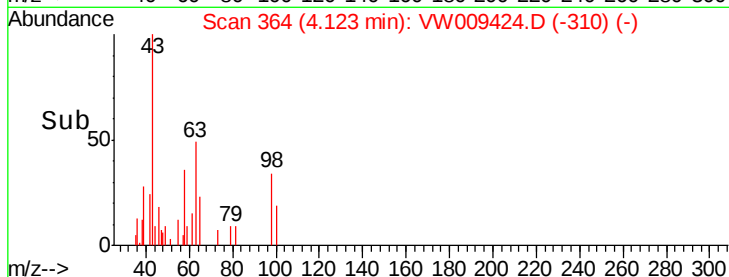
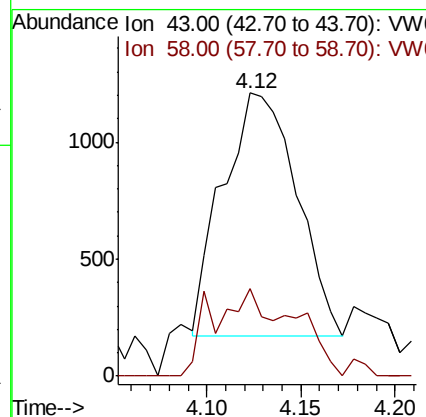
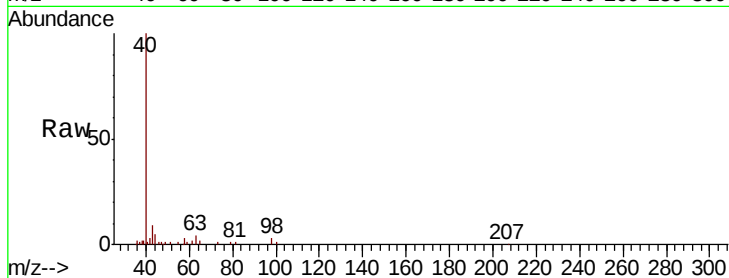




#13
Acetone
Concen: 1.638 ug/L
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW009424.D
Acq: 25 Mar 2019 13:23

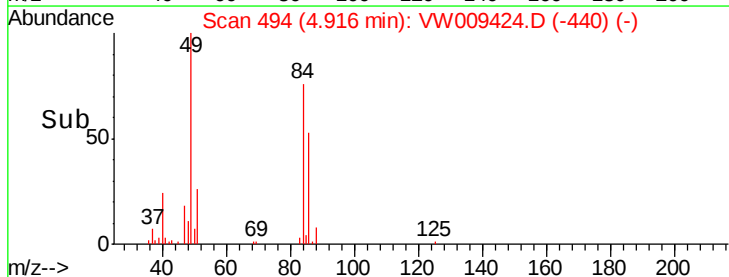
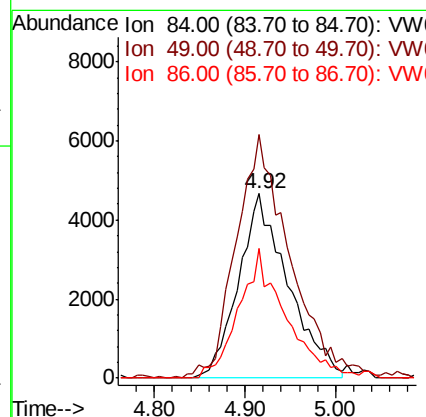
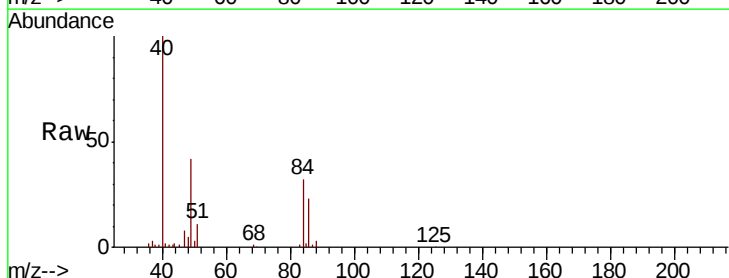
Instrument :
MSVOA_W
ClientSampled :

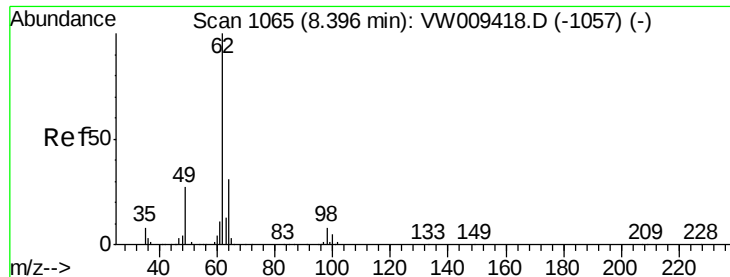
Tot Ion: 43 Resp: 2824
Ion Ratio Lower Upper
43 100
58 9.7 0.0 56.2



#16
Methylene chloride
Concen: 2.867 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009424.D
Acq: 25 Mar 2019 13:23

Tgt Ion: 84 Resp: 17787
Ion Ratio Lower Upper
84 100
49 132.2 96.0 178.2
86 70.4 44.4 82.5





#27

1,2-Dichloroethane

Concen: 0.435 ug/L

RT: 8.27 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW009424.D

Acq: 25 Mar 2019 13:23

Instrument :

MSVOA_W

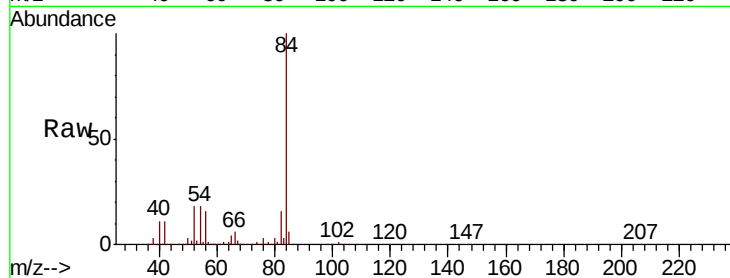
ClientSampleId :

Tot Ion: 62 Resp: 3412

Ion Ratio Lower Upper

62 100

98 8.1 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.27

1500

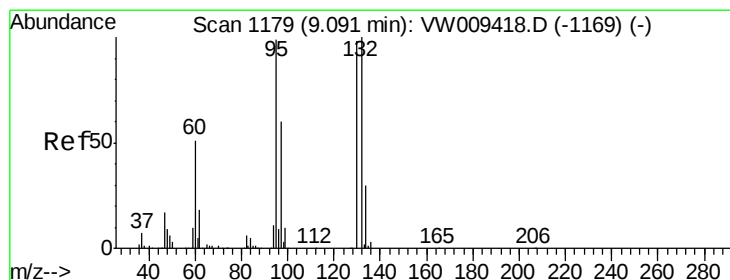
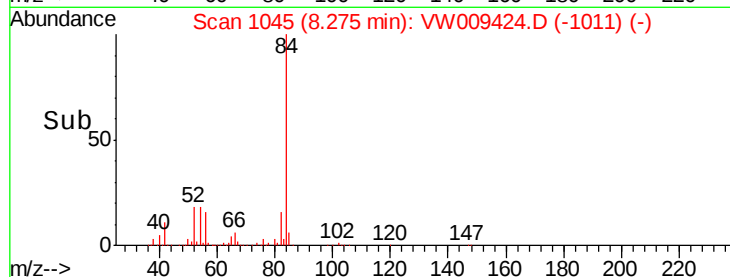
1000

500

0

8.20 8.25 8.30

Time-->



#35

Trichloroethene

Concen: 0.539 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009424.D

Acq: 25 Mar 2019 13:23

Tgt Ion: 95 Resp: 3059

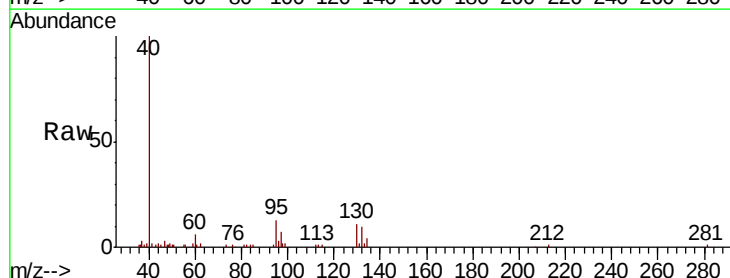
Ion Ratio Lower Upper

95 100

97 59.2 44.7 82.9

132 99.0 69.0 128.2

130 94.2 72.7 134.9



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): V

Ion 130.00 (129.70 to 130.70): V

2500

2000

1500

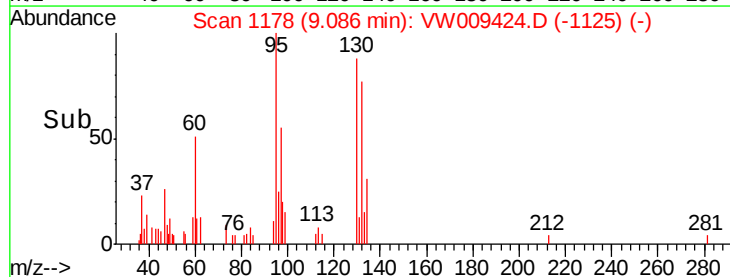
1000

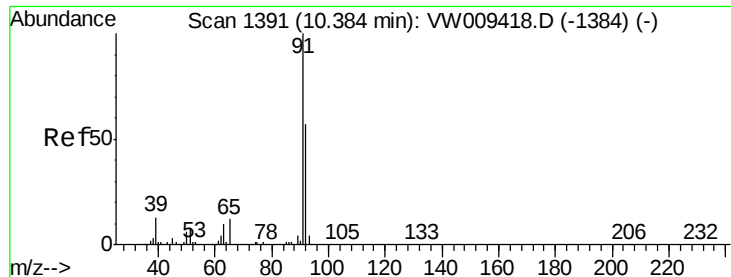
500

0

9.00 9.05 9.10 9.15

Time-->





#44

Toluene

Concen: 0.803 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009424.D

Acq: 25 Mar 2019 13:23

Instrument :

MSVOA_W

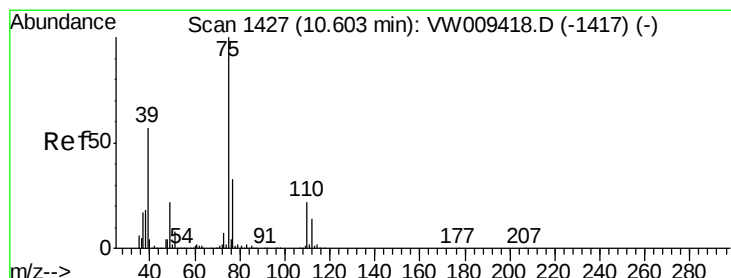
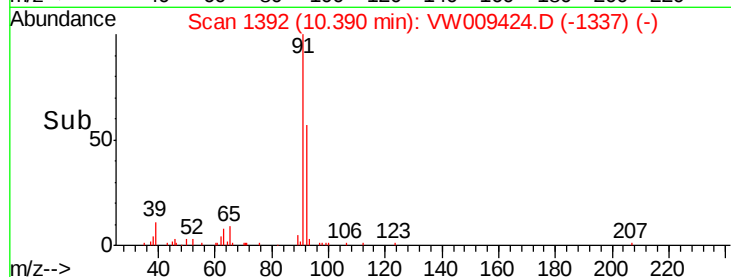
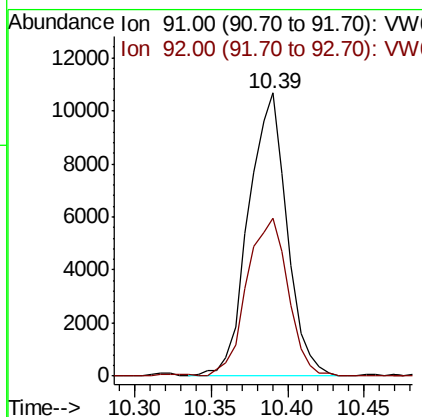
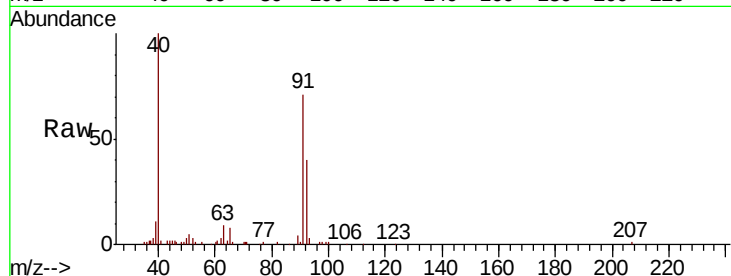
ClientSampled :

Tot Ion: 91 Resp: 18693

Ion Ratio Lower Upper

91 100

92 56.0 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 0.459 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009424.D

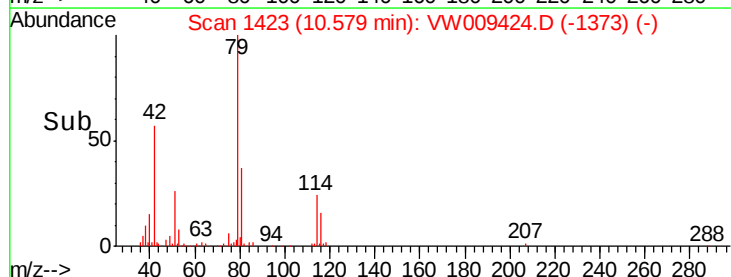
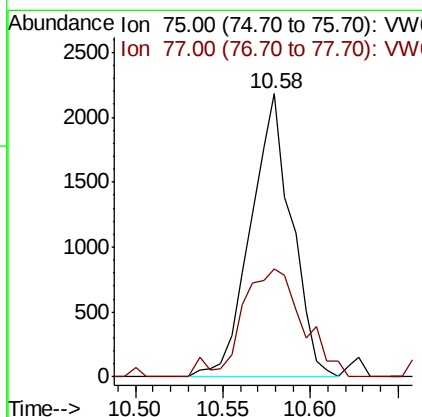
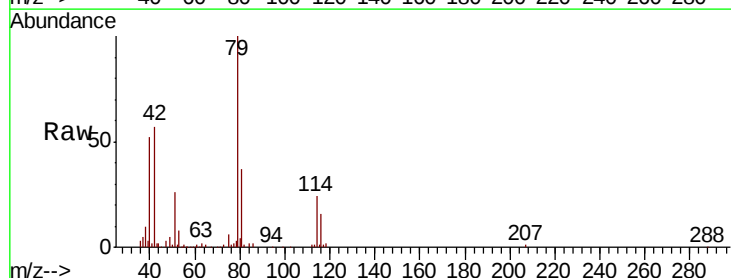
Acq: 25 Mar 2019 13:23

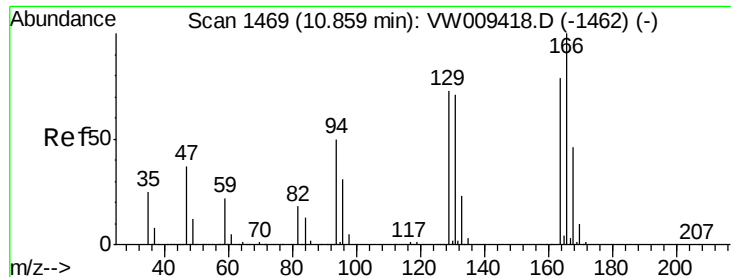
Tgt Ion: 75 Resp: 3553

Ion Ratio Lower Upper

75 100

77 38.2 22.5 41.7

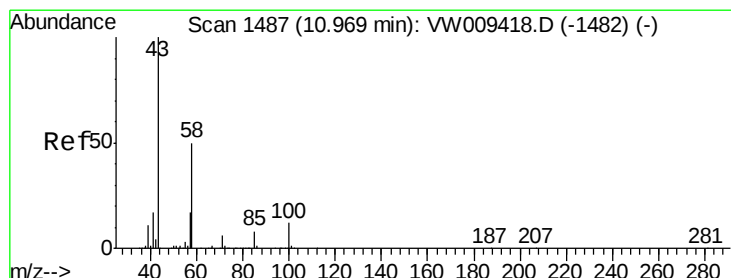
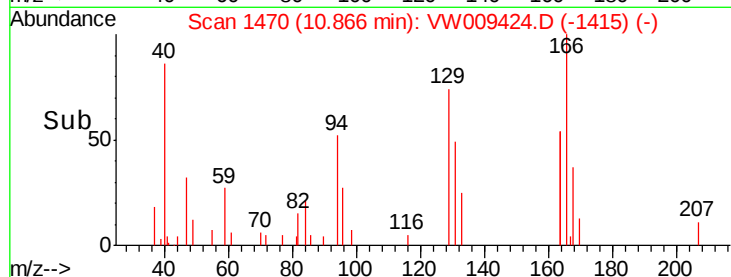
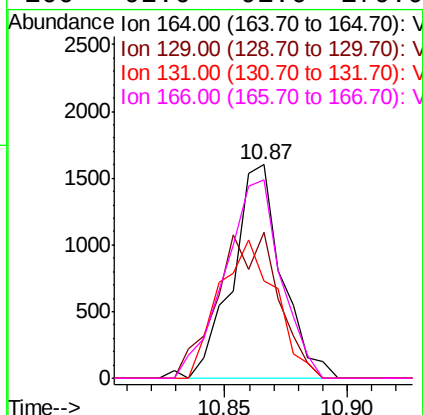
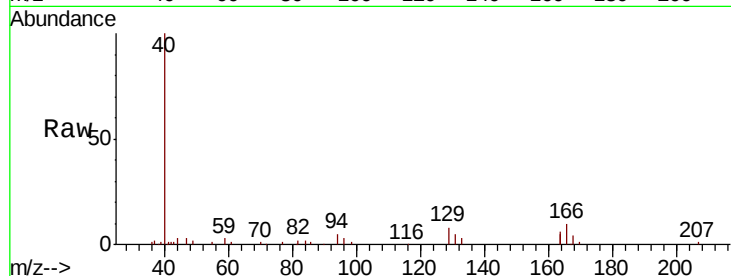




#47
Tetrachloroethene
Concen: 0.468 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW009424.D
Acq: 25 Mar 2019 13:23

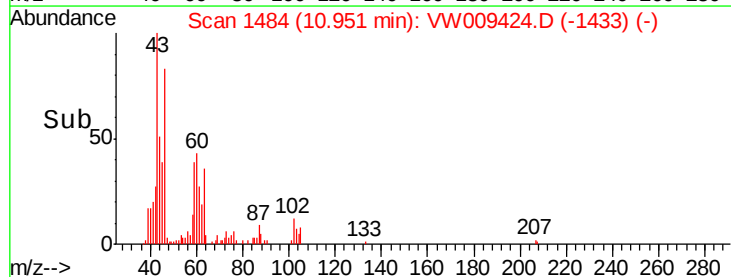
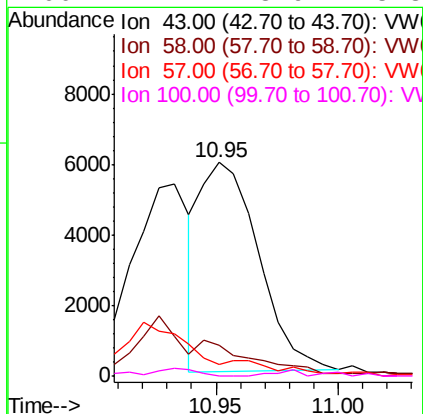
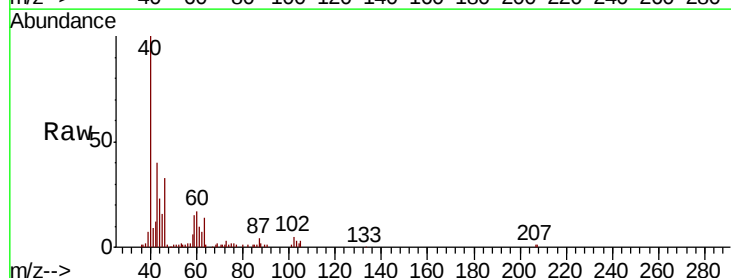
Instrument :
MSVOA_W
ClientSampled :

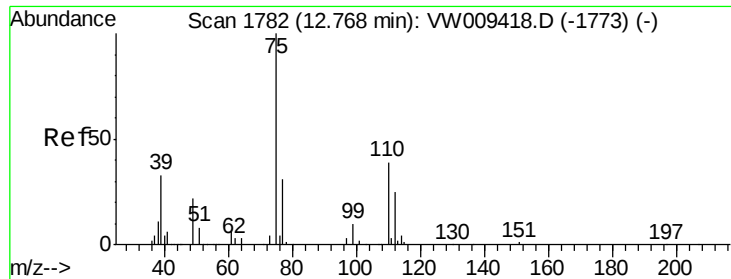
Tot Ion	Ratio	Lower	Upper
164	100		
129	68.1	66.5	123.5
131	45.8	62.6	116.3#
166	92.6	91.6	170.0



#49
2-Hexanone
Concen: 2.796 ug/L
RT: 10.95 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VW009424.D
Acq: 25 Mar 2019 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.5	39.2	58.8#
57	4.9	14.2	21.2#
100	1.2	8.9	13.3#





#59

1,2,3-Trichloropropane

Concen: 4.603 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009424.D

Acq: 25 Mar 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 20085

Ion Ratio Lower Upper

75 100

77 37.6 26.2 39.2

