

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\
 Data File : VW013751.D
 Acq On : 25 Oct 2019 16:32
 Operator : SY/VA
 Sample : K5549-07
 Misc : 3.99G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAQ60

Quant Time: Oct 26 03:42:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 26 03:37:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	285881	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	196572	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	52594	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	124896	35.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	142.44%
7) Chloroethane-d5	2.89	69	100864	30.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.24%
10) 1,1-Dichloroethene-d2	4.02	63	174593	22.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.16%
20) 2-Butanone-d5	7.08	46	85099	67.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.66%#
24) Chloroform-d	7.65	84	238537	29.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	119.28%
26) 1,2-Dichloroethane-d4	8.31	65	131468	31.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	125.72%
29) Benzene-d6	8.27	84	482714	40.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	163.48%#
33) 1,2-Dichloropropane-d6	9.27	67	149616	42.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	169.68%#
37) Toluene-d8	10.32	98	377148	34.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	138.52%#
38) trans-1,3-Dichloropropene-	10.58	79	51822	32.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	130.28%
39) 2-Hexanone-d5	10.92	63	61945	91.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	183.74%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100336	34.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	138.92%#
61) 1,2-Dichlorobenzene-d4	13.85	152	53180	28.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.44%

Target Compounds

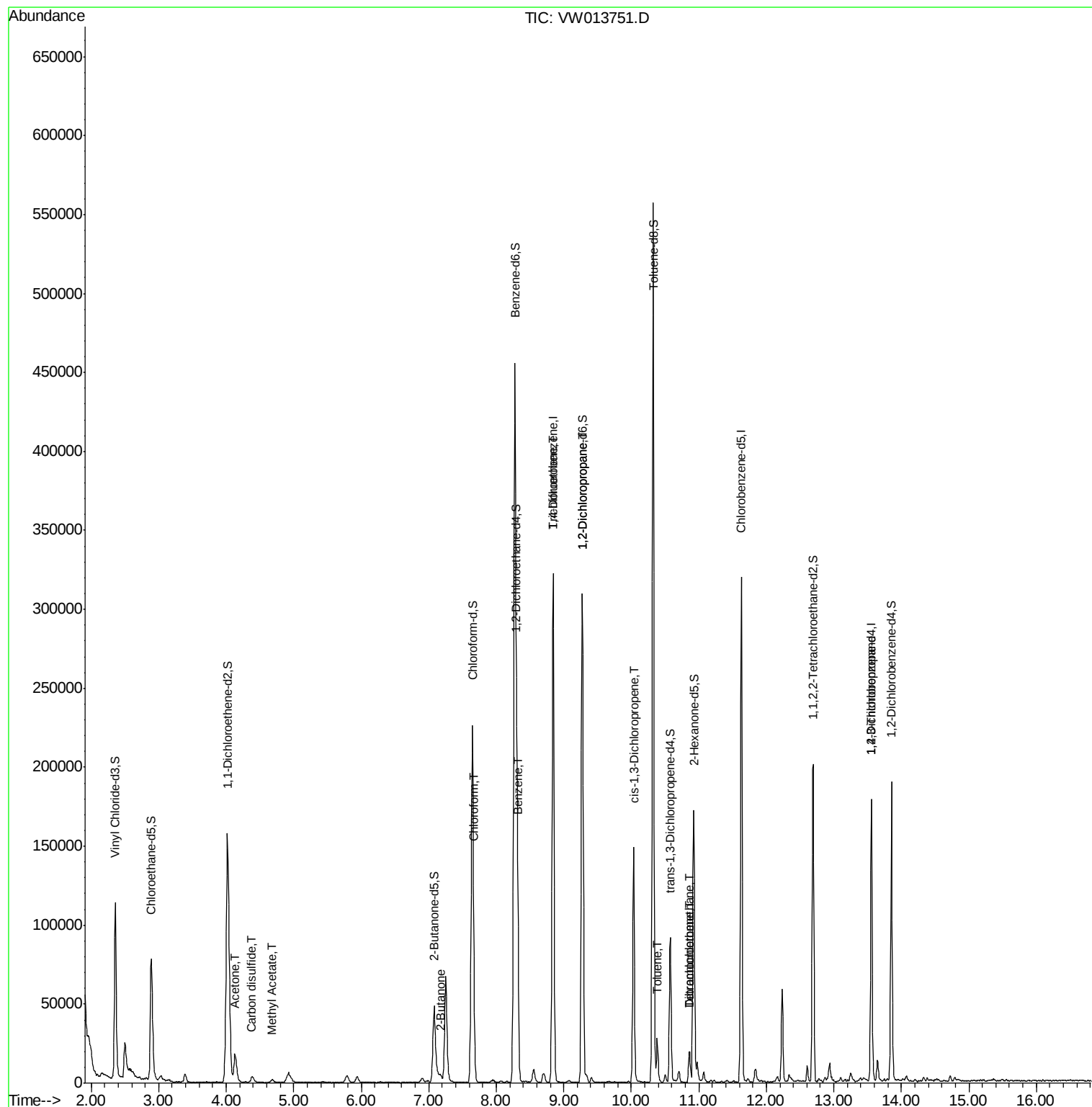
					Ovalue
13) Acetone	4.14	43	33516	24.071 ug/L	98
14) Carbon disulfide	4.38	76	8560	0.658 ug/L	97
15) Methyl Acetate	4.68	43	2478	1.089 ug/L	96
21) 2-Butanone	7.18	43	6717	3.800 ug/L	97
25) Chloroform	7.67	83	3732	0.437 ug/L #	38
34) Benzene	8.32	78	20738	1.470 ug/L	100
35) Trichloroethene	8.84	95	7970	2.202 ug/L #	2
40) 1,2-Dichloropropane	9.27	63	15628	4.532 ug/L #	85
42) cis-1,3-Dichloropropene	10.03	75	3206	0.589 ug/L #	62
44) Toluene	10.39	91	20832	1.375 ug/L	89
47) Tetrachloroethene	10.86	164	5204	1.571 ug/L	90
50) Dibromochloromethane	10.86	129	4255	1.356 ug/L #	13
59) 1,2,3-Trichloropropane	13.56	75	5142	2.212 ug/L #	74

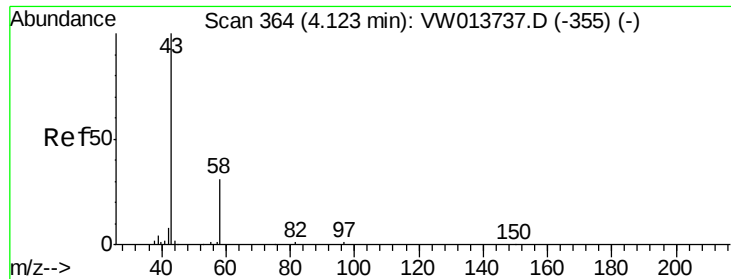
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 24.071 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013751.D

Acq: 25 Oct 2019 16:32

Instrument :

MSVOA_W

ClientSampled :

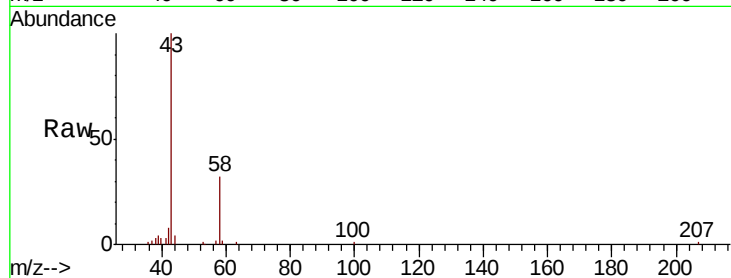
GAQ60

Tot Ion: 43 Resp: 33516

Ion Ratio Lower Upper

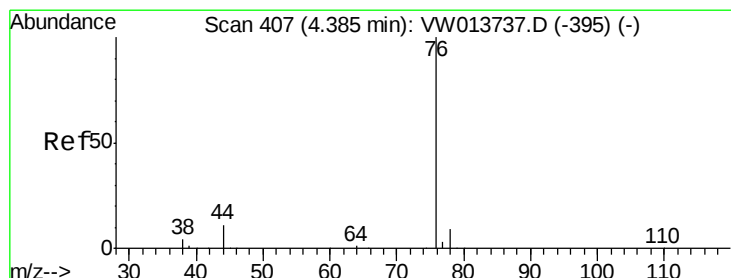
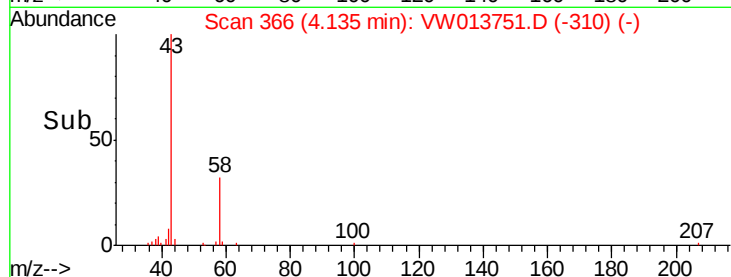
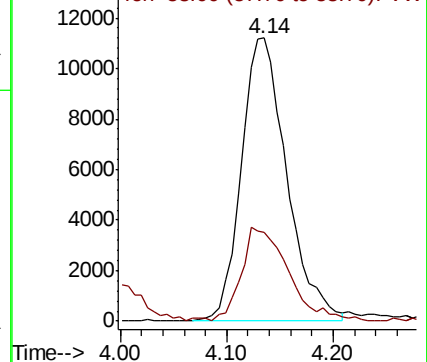
43 100

58 34.0 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.658 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013751.D

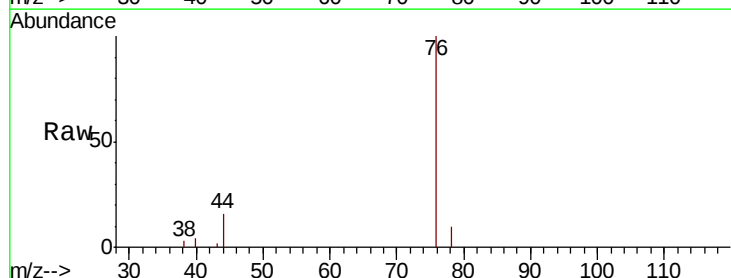
Acq: 25 Oct 2019 16:32

Tgt Ion: 76 Resp: 8560

Ion Ratio Lower Upper

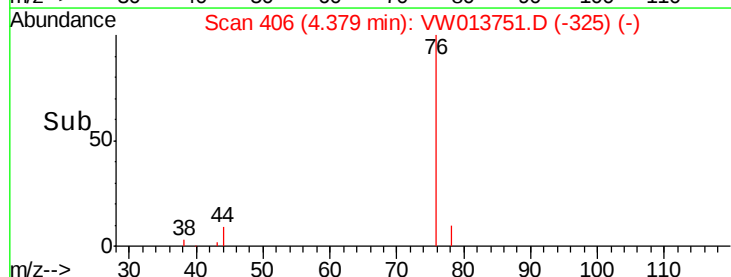
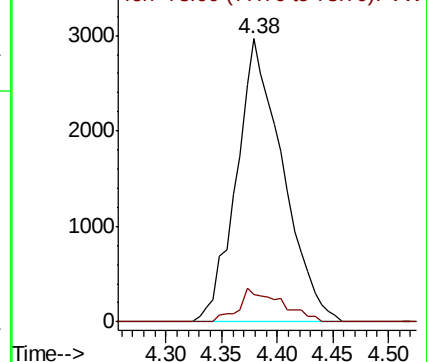
76 100

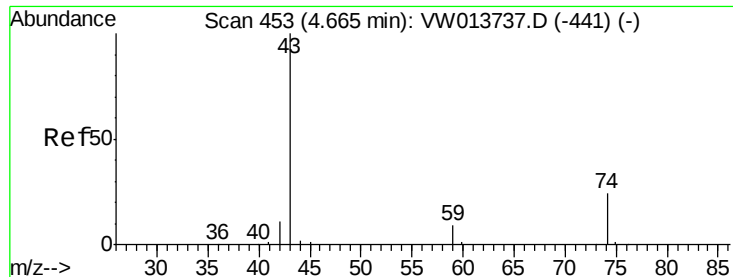
78 9.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

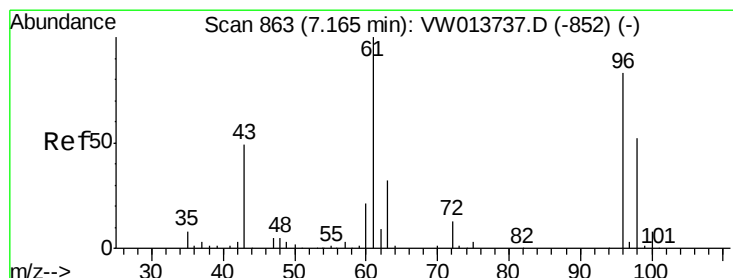
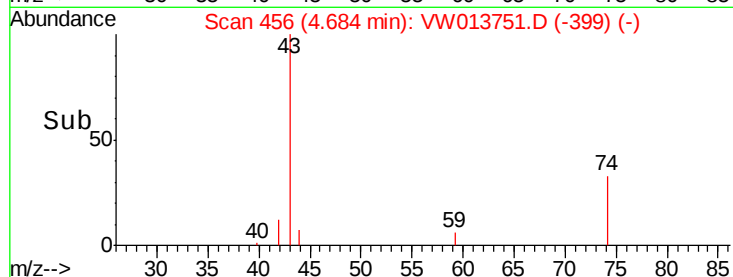
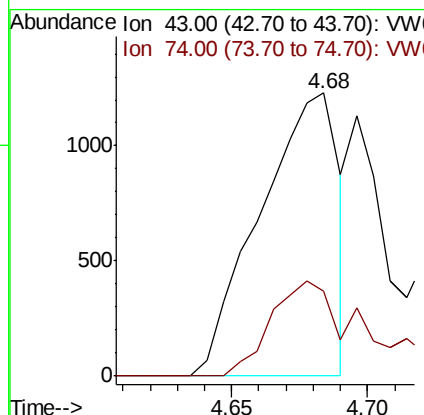
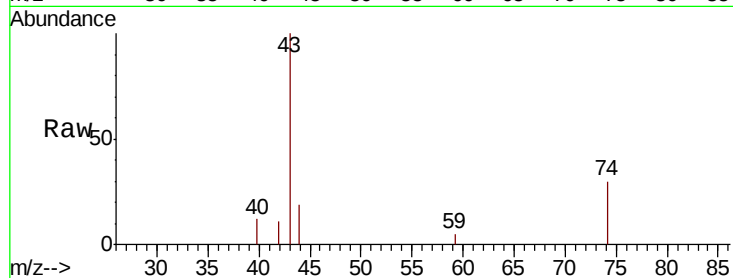




#15
Methvl Acetate
Concen: 1.089 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW013751.D
Acq: 25 Oct 2019 16:32

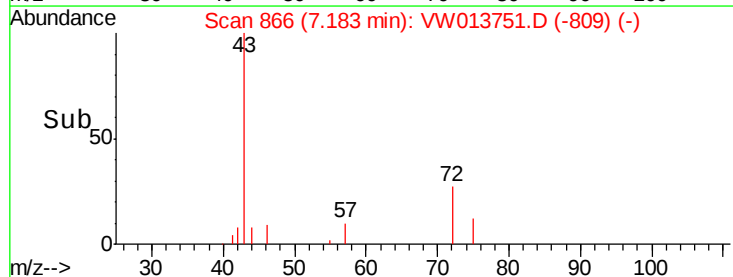
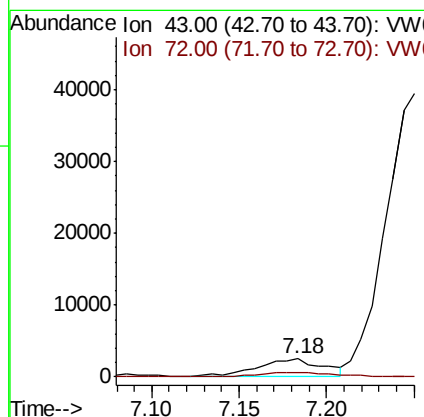
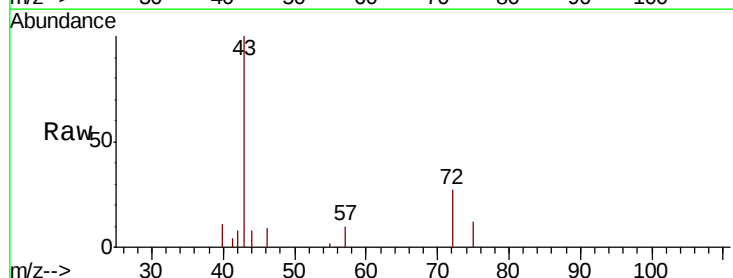
Instrument :
MSVOA_W
ClientSampleId :
GAQ60

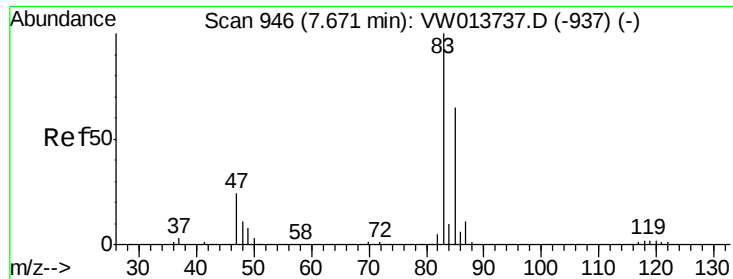
Tot Ion: 43 Resp: 2478
Ion Ratio Lower Upper
43 100
74 25.9 19.2 28.8



#21
2-Butanone
Concen: 3.800 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW013751.D
Acq: 25 Oct 2019 16:32

Tgt Ion: 43 Resp: 6717
Ion Ratio Lower Upper
43 100
72 25.6 13.7 41.1

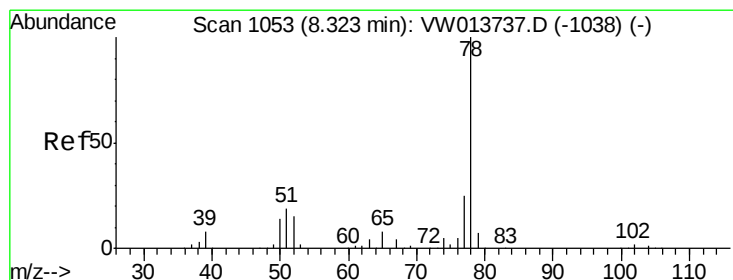
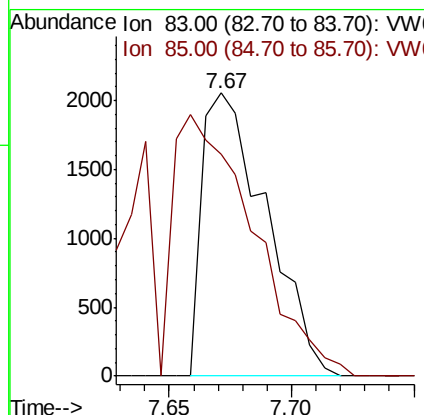
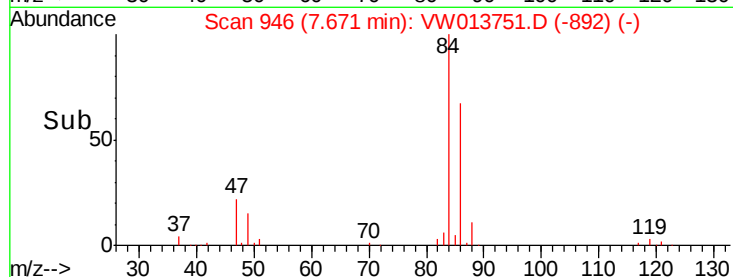
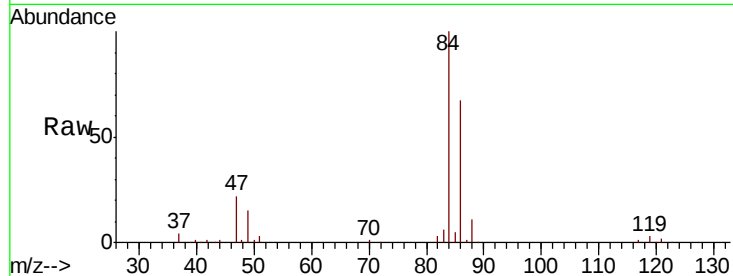




#25
Chloroform
Concen: 0.437 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013751.D
Acq: 25 Oct 2019 16:32

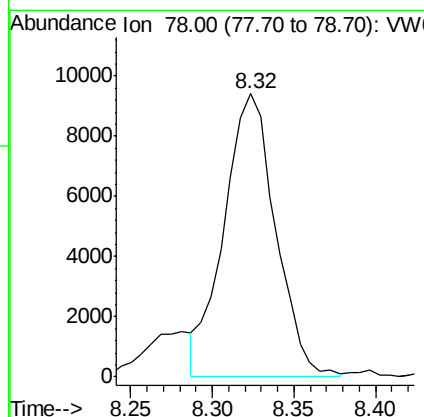
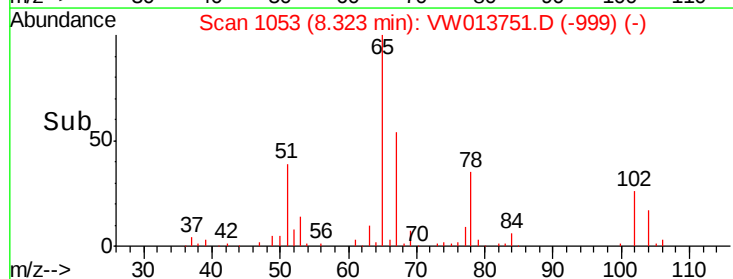
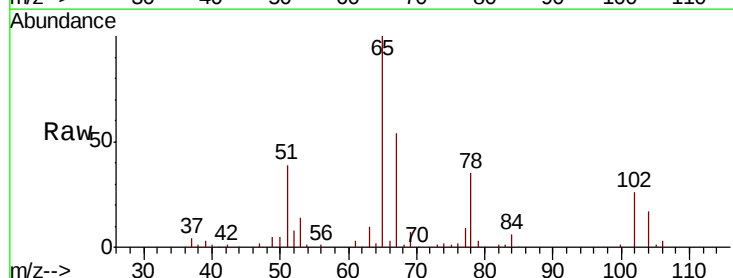
Instrument :
MSVOA_W
ClientSampleId :
GAQ60

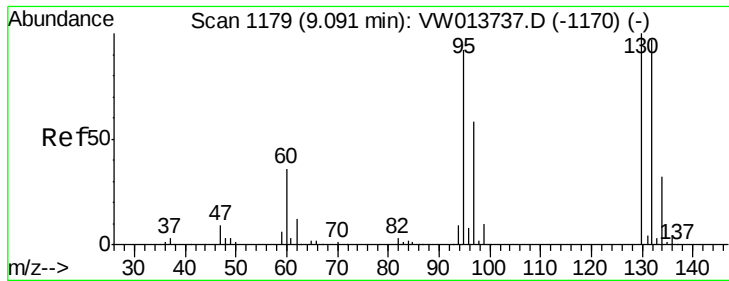
Tot Ion: 83 Resp: 3732
Ion Ratio Lower Upper
83 100
85 115.4 46.1 85.7#



#34
Benzene
Concen: 1.470 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013751.D
Acq: 25 Oct 2019 16:32

Tgt Ion: 78 Resp: 20738





#35

Trichloroethene

Concen: 2.202 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW013751.D

Acq: 25 Oct 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

GAQ60

Tot Ion: 95 Resp: 7970

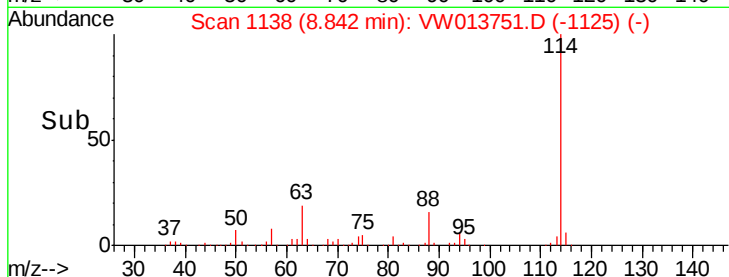
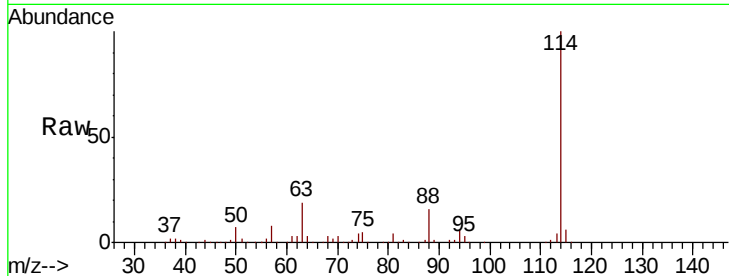
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 0.0 74.3 138.1#

130 0.7 76.6 142.3#

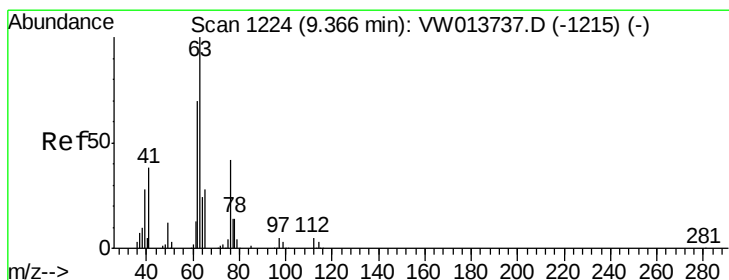
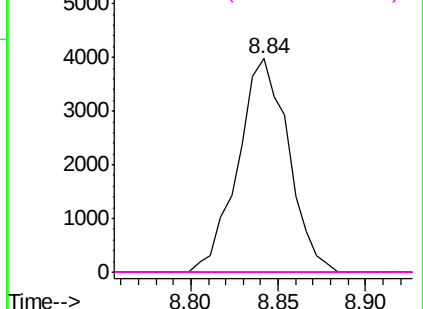


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#40

1,2-Dichloropropane

Concen: 4.532 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW013751.D

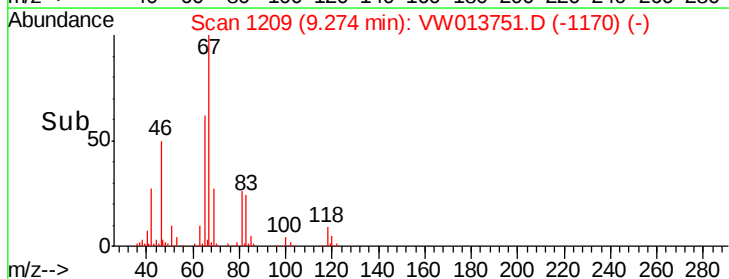
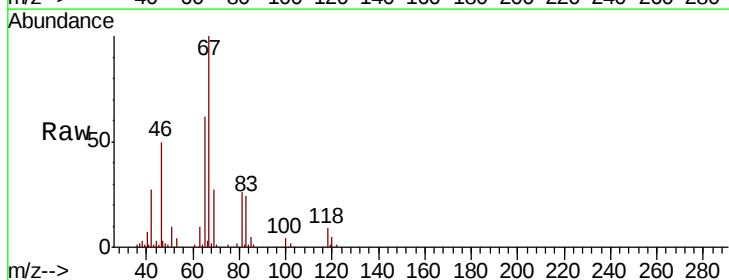
Acq: 25 Oct 2019 16:32

Tgt Ion: 63 Resp: 15628

Ion Ratio Lower Upper

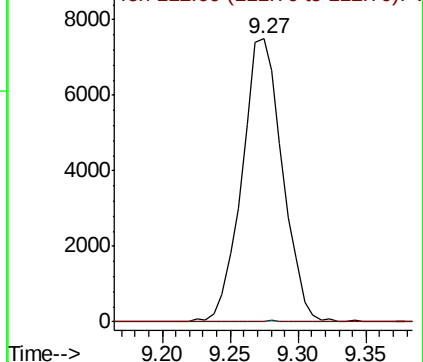
63 100

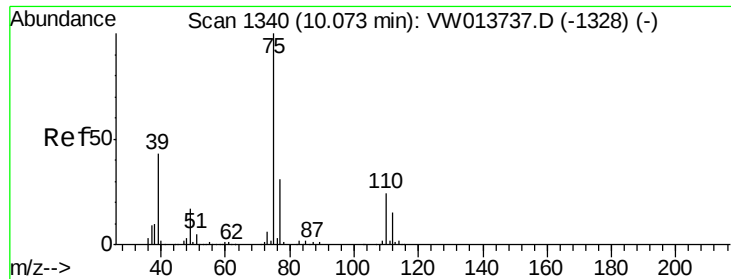
112 0.0 3.9 5.9#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.589 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW013751.D

Acq: 25 Oct 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

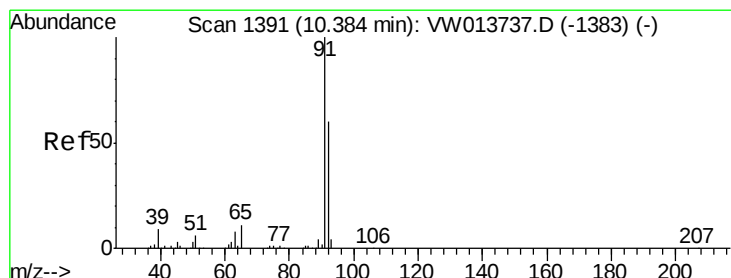
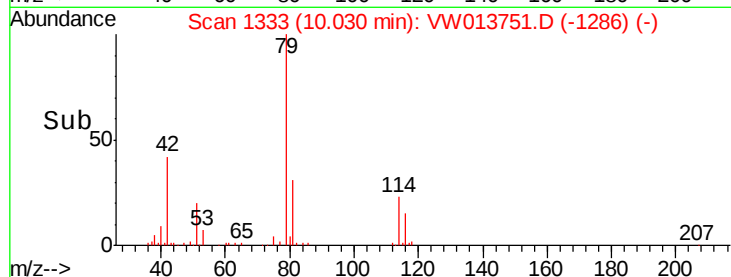
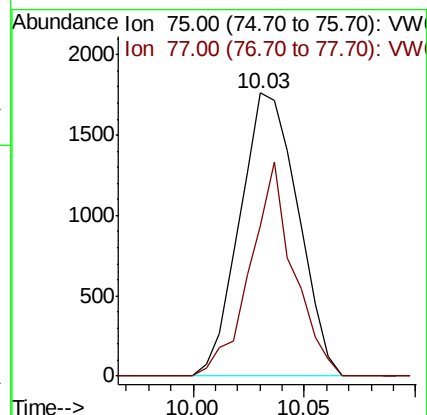
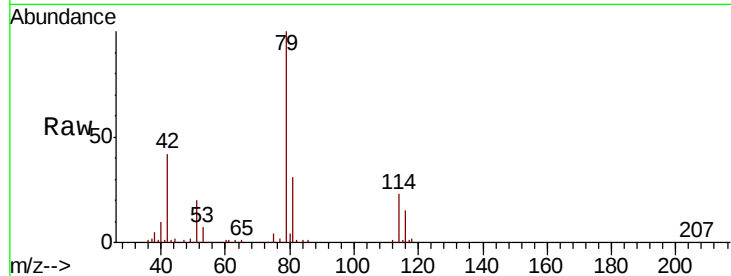
GAQ60

Tot Ion: 75 Resp: 3206

Ion Ratio Lower Upper

75 100

77 53.2 22.5 41.9#



#44

Toluene

Concen: 1.375 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013751.D

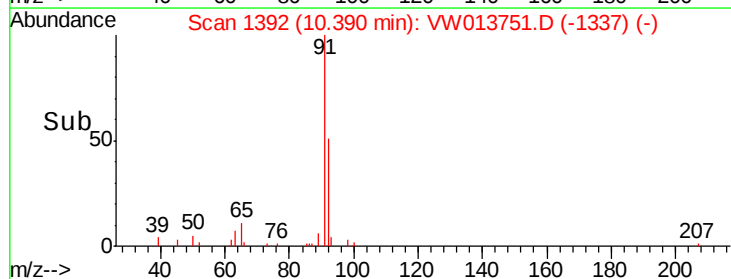
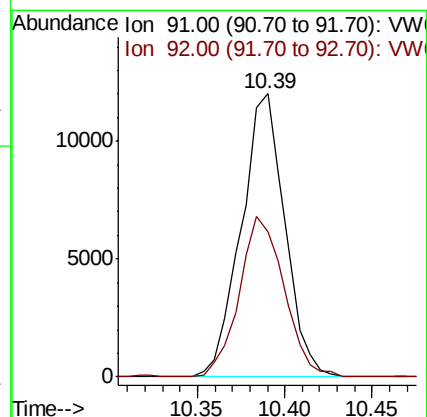
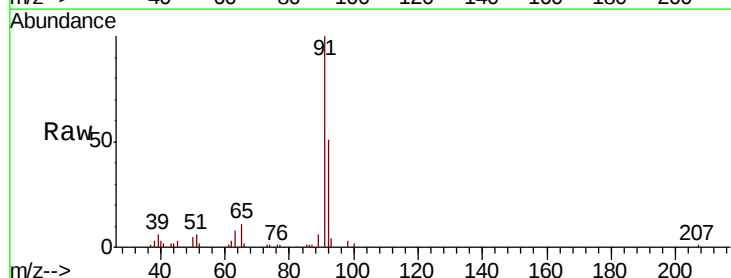
Acq: 25 Oct 2019 16:32

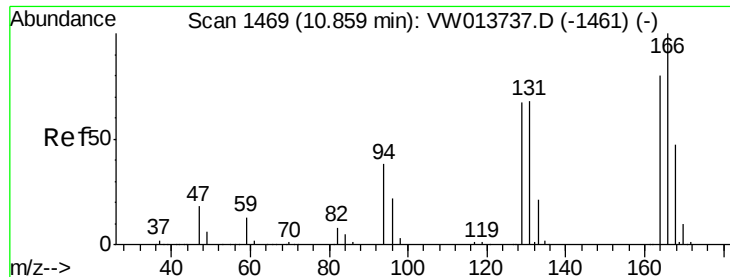
Tgt Ion: 91 Resp: 20832

Ion Ratio Lower Upper

91 100

92 51.4 42.0 78.0

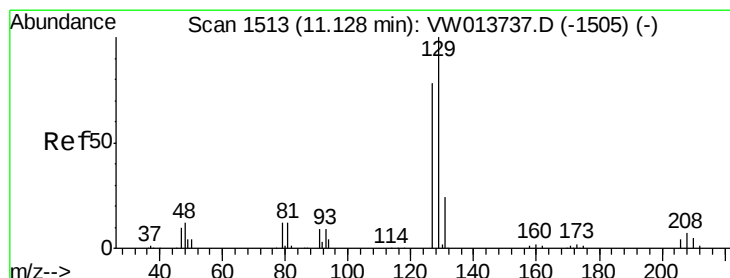
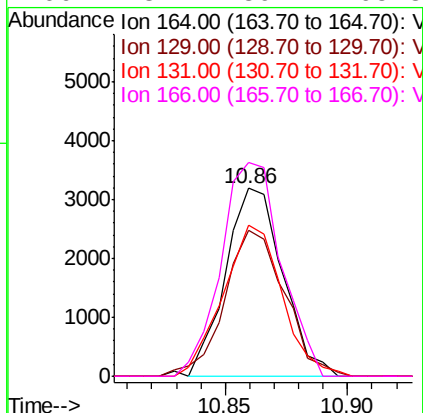
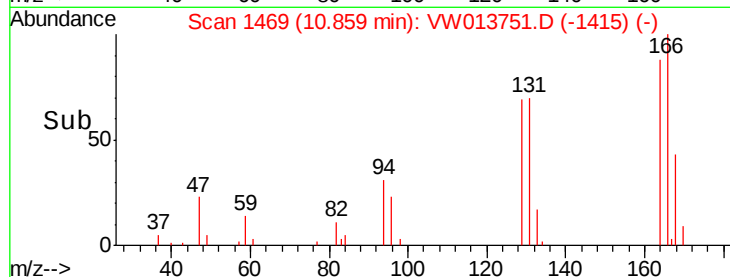
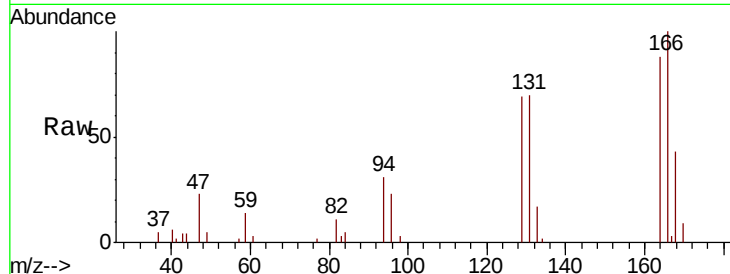




#47
Tetrachloroethene
Concen: 1.571 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013751.D
Acq: 25 Oct 2019 16:32

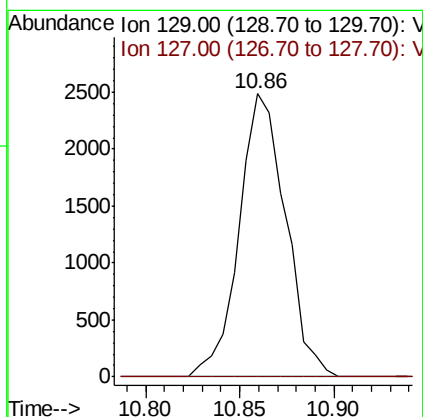
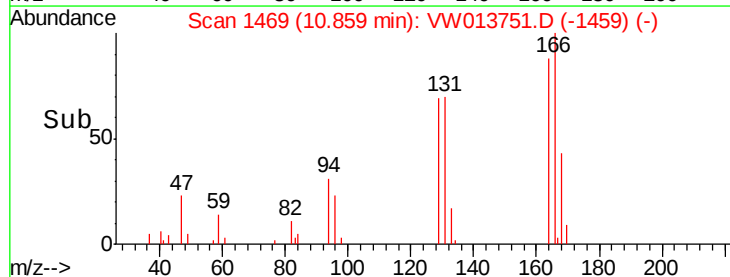
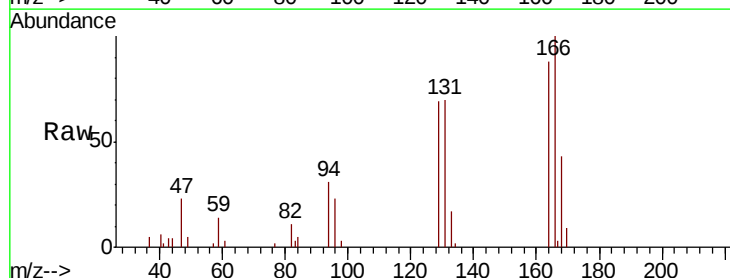
Instrument :
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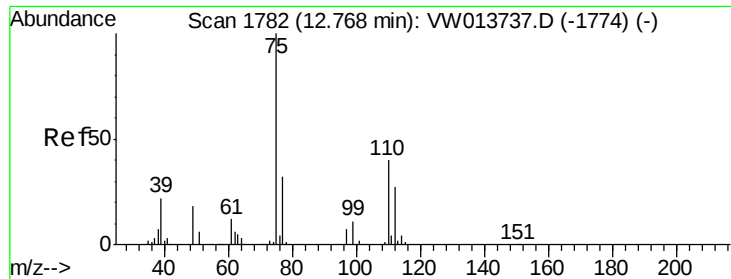
Tot Ion:164 Resp: 5204
Ion Ratio Lower Upper
164 100
129 78.0 61.8 114.8
131 80.1 59.2 110.0
166 113.7 89.2 165.8



#50
Dibromochloromethane
Concen: 1.356 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW013751.D
Acq: 25 Oct 2019 16:32

Tgt Ion:129 Resp: 4255
Ion Ratio Lower Upper
129 100
127 0.0 51.4 95.5#





#59

1,2,3-Trichloropropane

Concen: 2.212 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW013751.D

Acq: 25 Oct 2019 16:32

Instrument :

MSVOA_W

ClientSampleId :

GAQ60

Tot Ion: 75 Resp: 5142

Ion Ratio Lower Upper

75 100

77 47.9 26.4 39.6#

