

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102119\
 Data File : VW013642.D
 Acq On : 21 Oct 2019 18:12
 Operator : SY/VA
 Sample : K5422-10
 Misc : 5.46G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 21 18:57:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 21 16:37:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	336012	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	262874	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	94853	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	98961	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.00%
7) Chloroethane-d5	2.89	69	92269	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.92%
10) 1,1-Dichloroethene-d2	4.02	63	162983	17.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.60%
20) 2-Butanone-d5	7.09	46	40558	27.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	55.02%
24) Chloroform-d	7.65	84	211877	22.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.16%
26) 1,2-Dichloroethane-d4	8.30	65	101617	20.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.68%
29) Benzene-d6	8.27	84	476605	30.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	120.72%
33) 1,2-Dichloropropane-d6	9.27	67	138258	29.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.24%
37) Toluene-d8	10.32	98	412820	28.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.36%
38) trans-1,3-Dichloropropene-	10.58	79	33844	15.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	63.64%
39) 2-Hexanone-d5	10.92	63	32833	36.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.82%
48) 1,1,1,2,2-Tetrachloroethane-	12.69	84	74989	19.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	75991	22.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.68%

Target Compounds

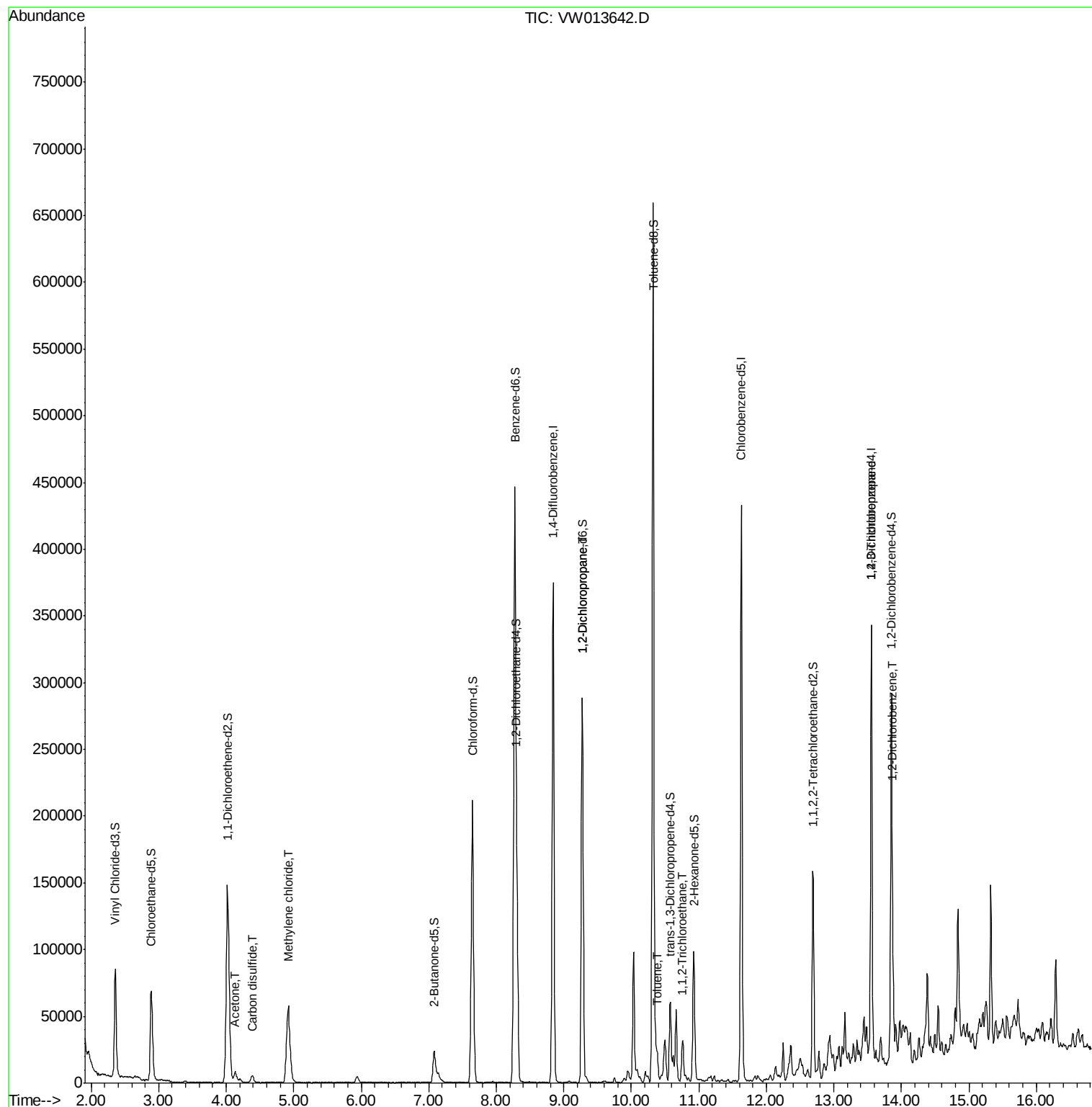
					Ovalue
13) Acetone	4.13	43	14489	8.854 ug/L	93
14) Carbon disulfide	4.39	76	12340	0.808 ug/L	98
16) Methylene chloride	4.92	84	50815	7.898 ug/L	97
40) 1,2-Dichloropropane	9.27	63	13776	2.987 ug/L #	85
44) Toluene	10.39	91	15796	0.779 ug/L	88
46) 1,1,2-Trichloroethane	10.76	97	11867	3.336 ug/L #	22
59) 1,2,3-Trichloropropane	13.56	75	9863	3.173 ug/L	89
65) 1,2-Dichlorobenzene	13.87	146	5857	1.004 ug/L #	72

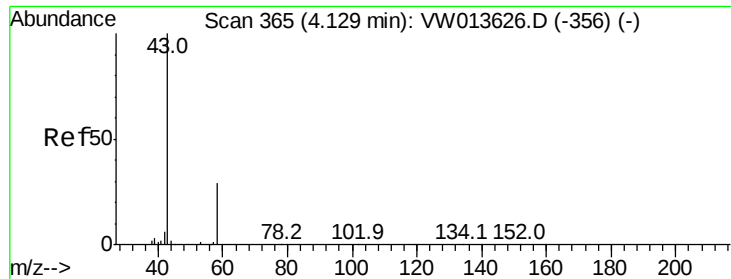
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Oct 21 16:37:58 2019
Response via : Initial Calibration





#13

Acetone

Concen: 8.854 ug/L

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013642.D

Acq: 21 Oct 2019 18:12

Instrument :

MSVOA_W

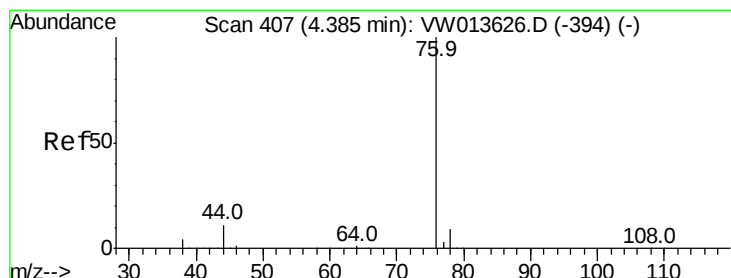
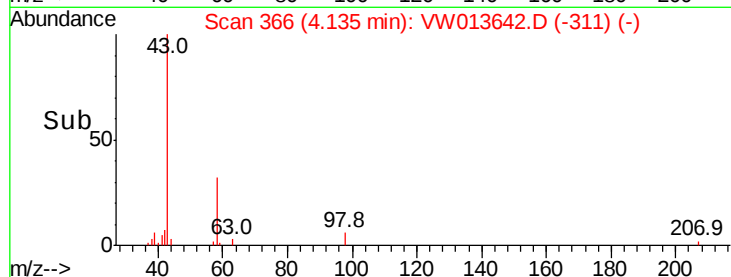
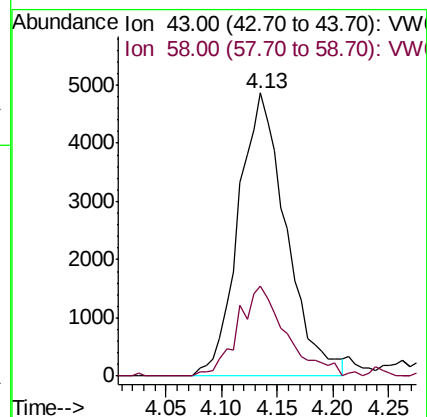
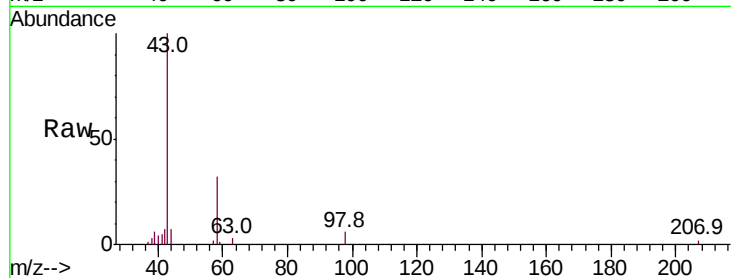
ClientSampled :

Tot Ion: 43 Resp: 14489

Ion Ratio Lower Upper

43 100

58 31.0 0.0 70.4



#14

Carbon disulfide

Concen: 0.808 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013642.D

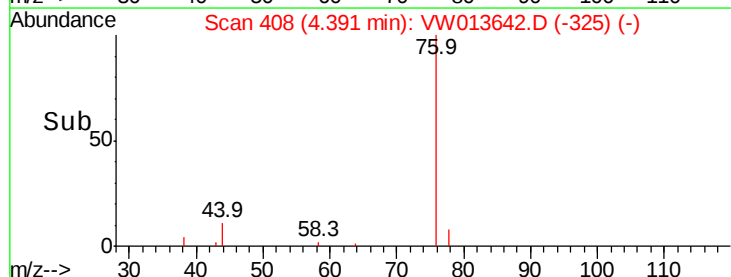
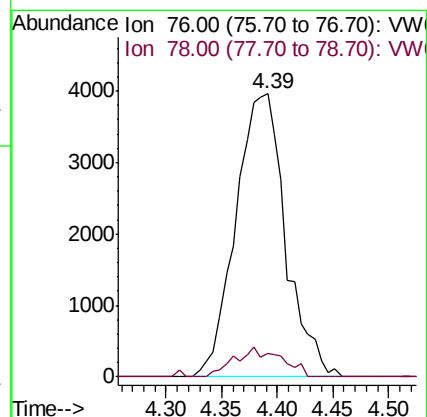
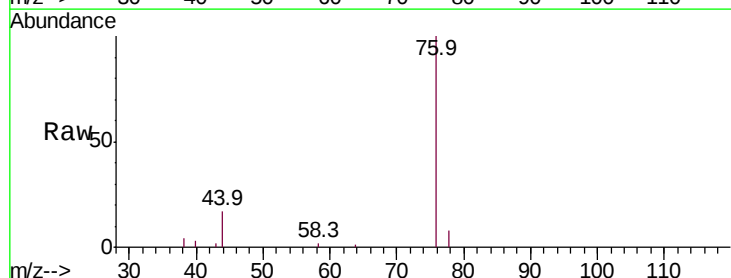
Acq: 21 Oct 2019 18:12

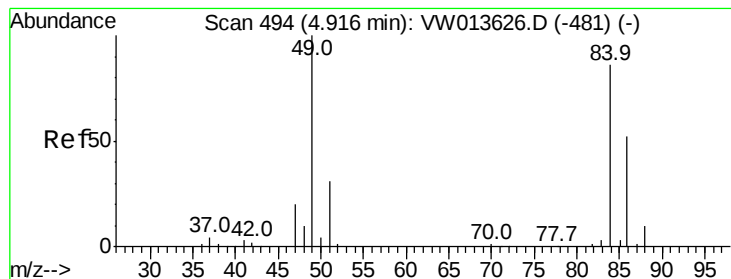
Tgt Ion: 76 Resp: 12340

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7





#16

Methvlene chloride

Concen: 7.898 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW013642.D

Acq: 21 Oct 2019 18:12

Instrument :

MSVOA_W

ClientSampleId :

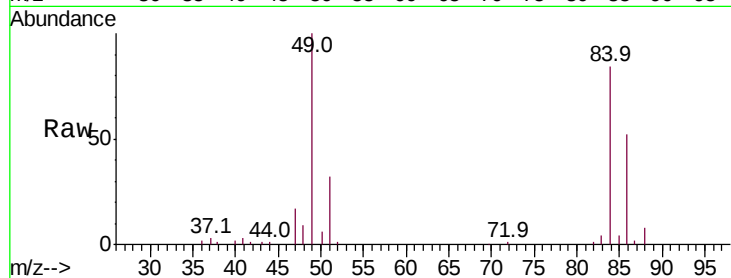
Tot Ion: 84 Resp: 50815

Ion Ratio Lower Upper

84 100

49 119.2 80.2 148.9

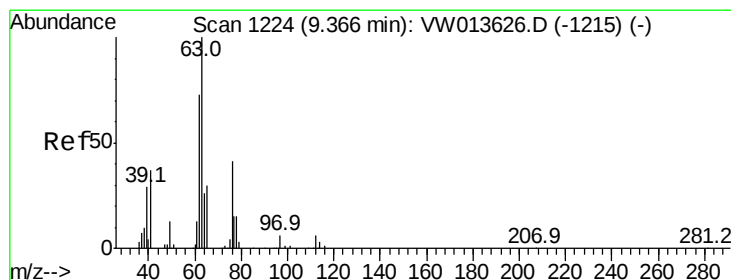
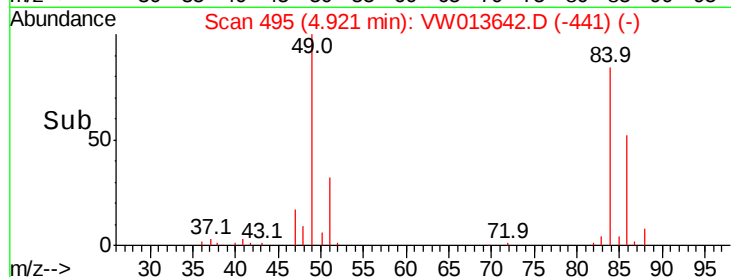
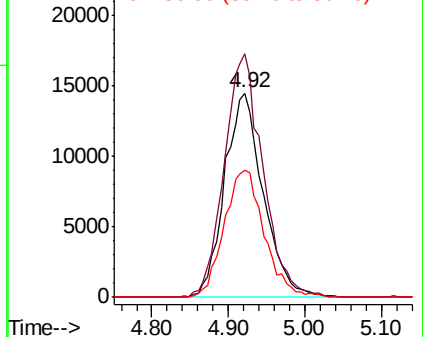
86 62.2 42.7 79.3



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



#40

1,2-Dichloropropane

Concen: 2.987 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW013642.D

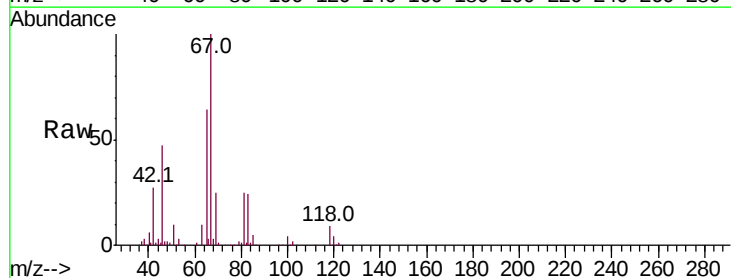
Acq: 21 Oct 2019 18:12

Tgt Ion: 63 Resp: 13776

Ion Ratio Lower Upper

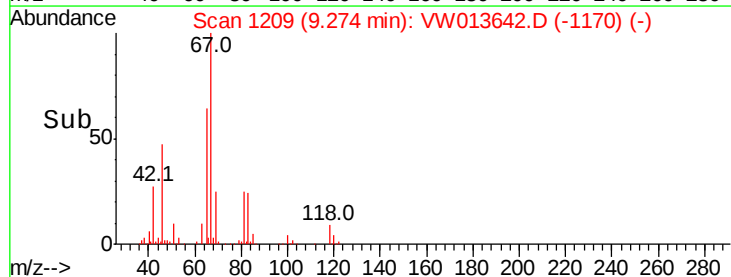
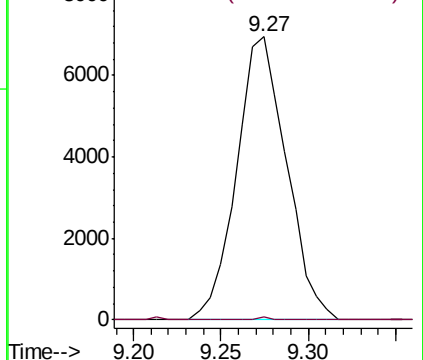
63 100

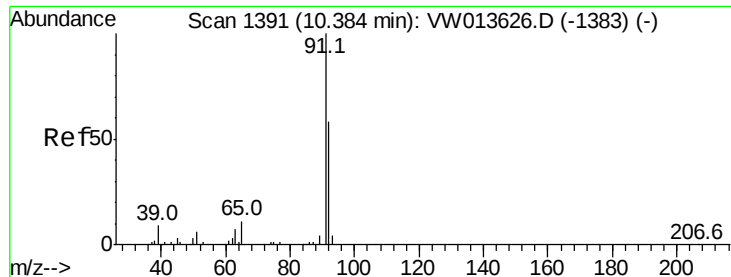
112 0.0 3.9 5.9#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#44

Toluene

Concen: 0.779 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW013642.D

Acq: 21 Oct 2019 18:12

Instrument :

MSVOA_W

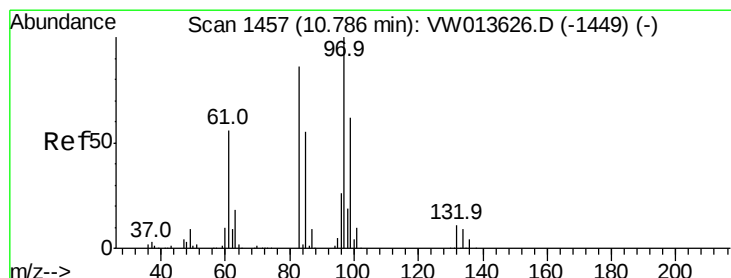
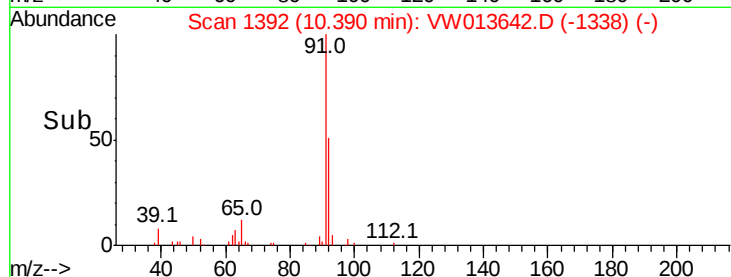
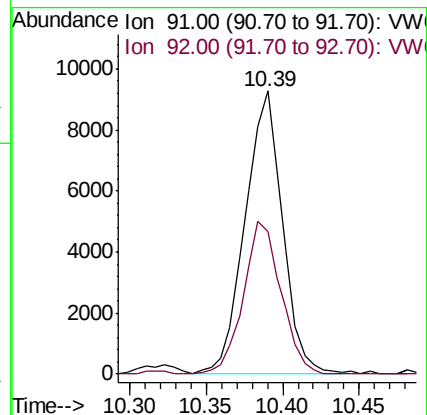
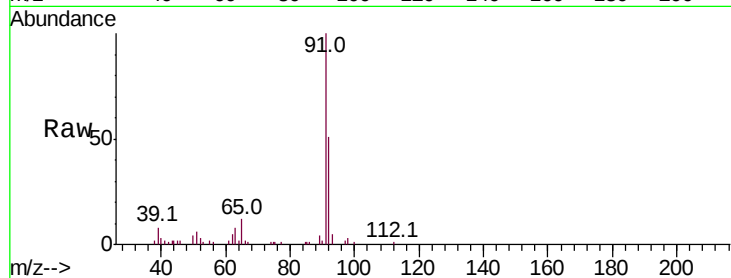
ClientSampleId :

Tot Ion: 91 Resp: 15796

Ion Ratio Lower Upper

91 100

92 50.6 42.0 78.0



#46

1,1,2-Trichloroethane

Concen: 3.336 ug/L

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW013642.D

Acq: 21 Oct 2019 18:12

Tgt Ion: 97 Resp: 11867

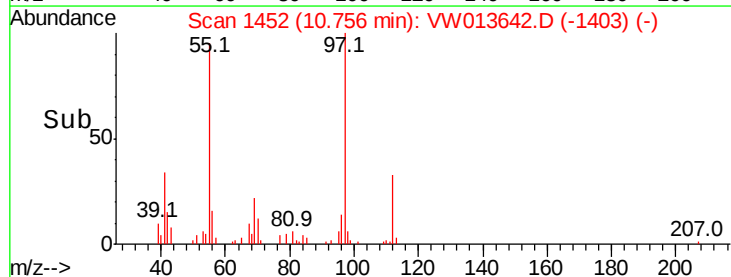
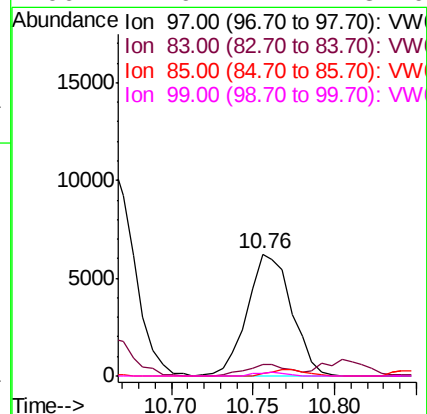
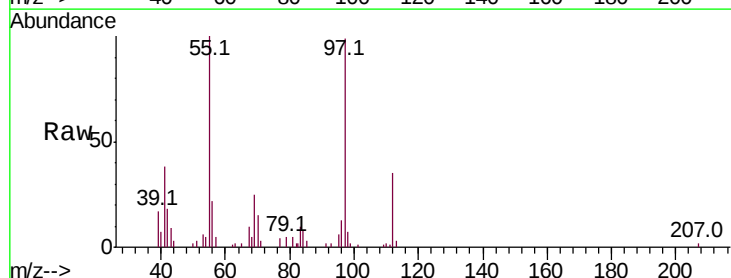
Ion Ratio Lower Upper

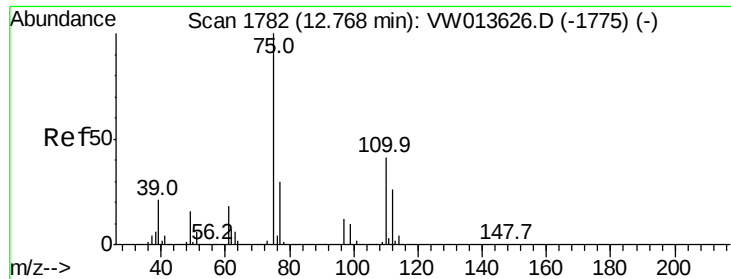
97 100

83 9.8 57.7 107.3#

85 2.6 38.6 71.6#

99 1.9 44.7 82.9#





#59

1,2,3-Trichloropropane

Concen: 3.173 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW013642.D

Acq: 21 Oct 2019 18:12

Instrument :

MSVOA_W

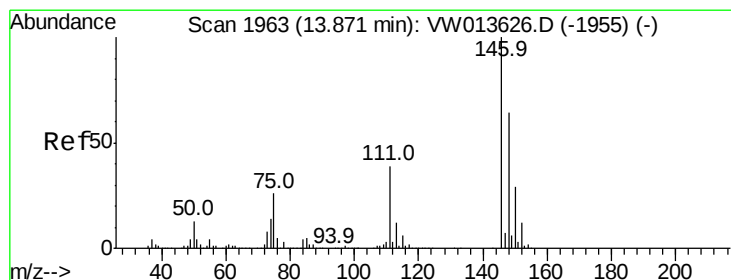
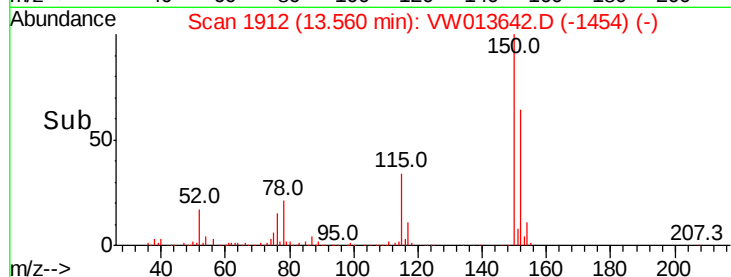
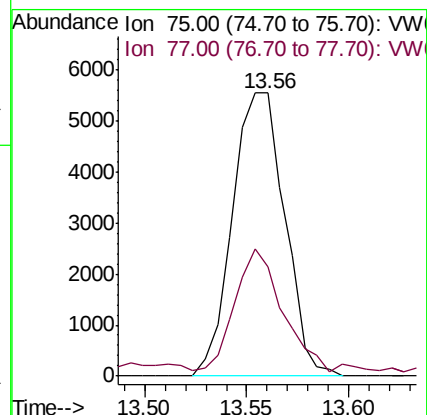
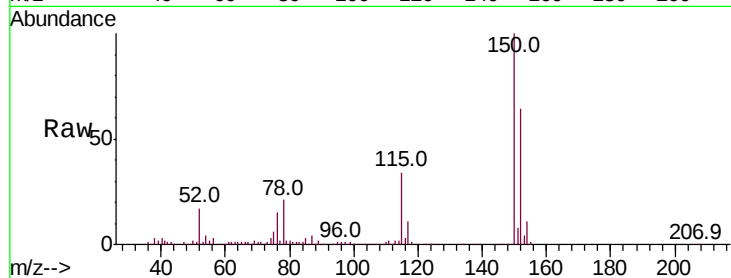
ClientSampleId :

Tot Ion: 75 Resp: 9863

Ion Ratio Lower Upper

75 100

77 39.3 26.4 39.6



#65

1,2-Dichlorobenzene

Concen: 1.004 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013642.D

Acq: 21 Oct 2019 18:12

Tgt Ion: 146 Resp: 5857

Ion Ratio Lower Upper

146 100

111 70.0 30.7 46.1#

148 77.6 53.3 79.9

