

Data File : VW009639.D
Acq On : 01 Apr 2019 22:27
Operator : SY/VA
Sample : K2119-10
Misc : 6.72G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5A4

Quant Time: Apr 02 01:39:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 02 01:34:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	437856	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	425030	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185759	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	116572	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.12%
7) Chloroethane-d5	2.89	69	116225	18.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.92%
10) 1,1-Dichloroethene-d2	4.01	63	190348	16.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.32%
20) 2-Butanone-d5	7.07	46	100056	46.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.48%
24) Chloroform-d	7.64	84	285256	23.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.48%
26) 1,2-Dichloroethane-d4	8.30	65	177660	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.72%
29) Benzene-d6	8.27	84	500241	21.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.36%
33) 1,2-Dichloropropane-d6	9.27	67	162115	23.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.12%
37) Toluene-d8	10.32	98	434201	20.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.12%
38) trans-1,3-Dichloropropene-	10.58	79	68981	19.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.04%
39) 2-Hexanone-d5	10.93	63	68222	40.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	155008	22.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	168449	23.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.60%

Target Compounds

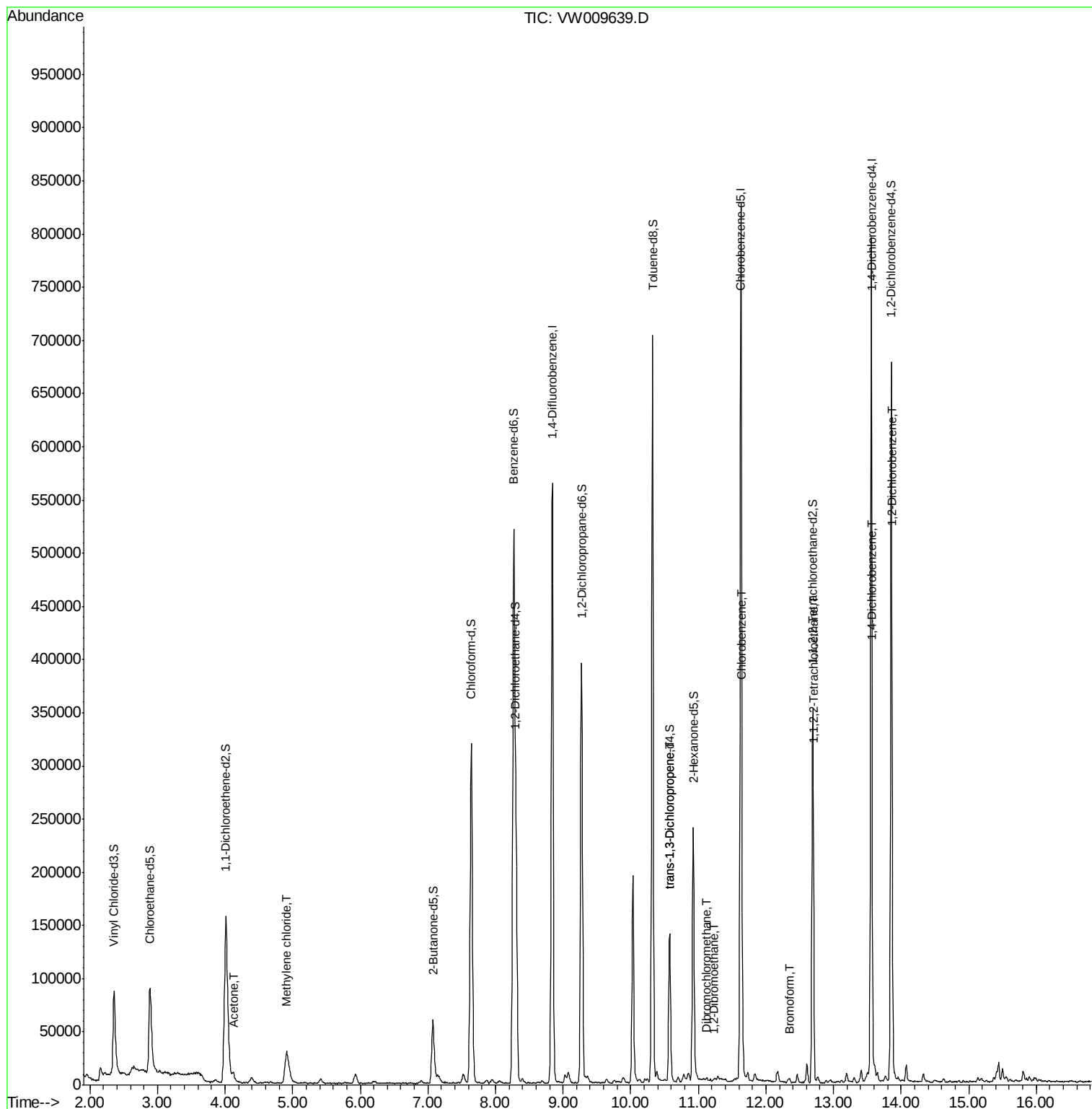
					Qvalue
13) Acetone	4.12	43	11967	6.744 ug/L	97
16) Methylene chloride	4.92	84	27147	4.252 ug/L	88
45) trans-1,3-Dichloropropene	10.58	75	3900	0.461 ug/L #	68
50) Dibromochloromethane	11.13	129	1613	0.274 ug/L #	64
51) 1,2-Dibromoethane	11.23	107	1435	0.297 ug/L #	98
52) Chlorobenzene	11.65	112	16164	0.991 ug/L	95
58) 1,1,2,2-Tetrachloroethane	12.71	83	2044	0.318 ug/L #	56
62) Bromoform	12.35	173	1154	0.368 ug/L #	68
64) 1,4-Dichlorobenzene	13.58	146	3428	0.299 ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	10854	1.028 ug/L #	89

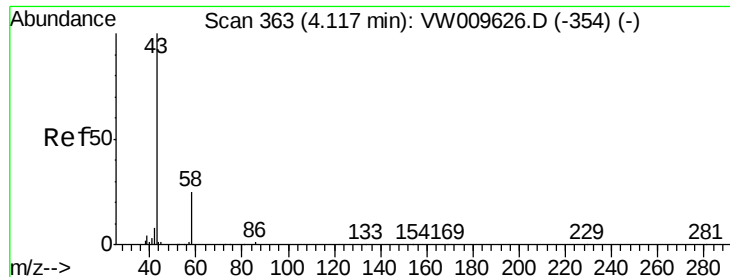
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.744 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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MSVOA_W

ClientSampleId :

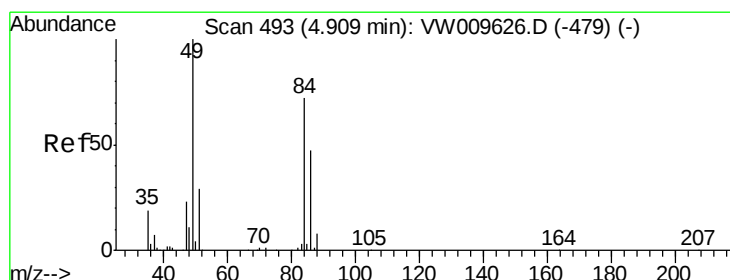
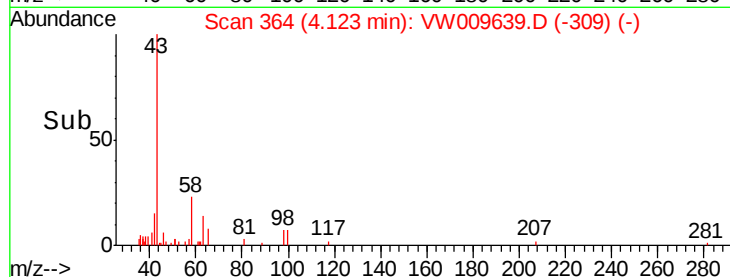
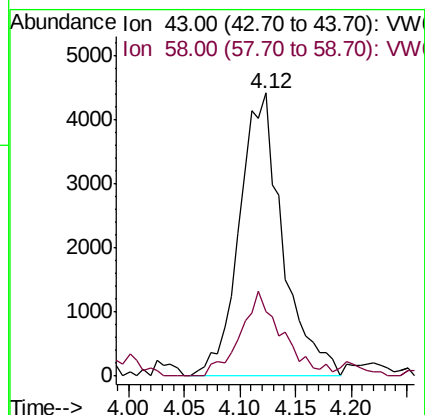
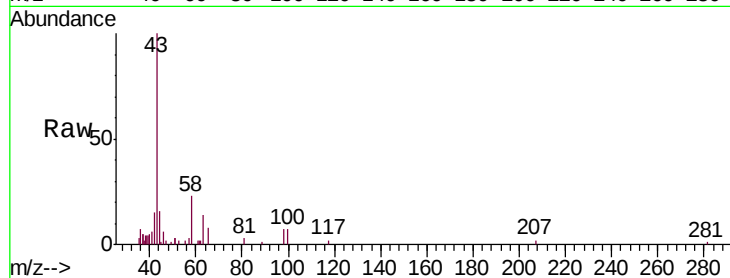
BF5A4

Tgt Ion: 43 Resp: 11967

Ion Ratio Lower Upper

43 100

58 26.3 0.0 56.2



#16

Methylene chloride

Concen: 4.252 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW009639.D

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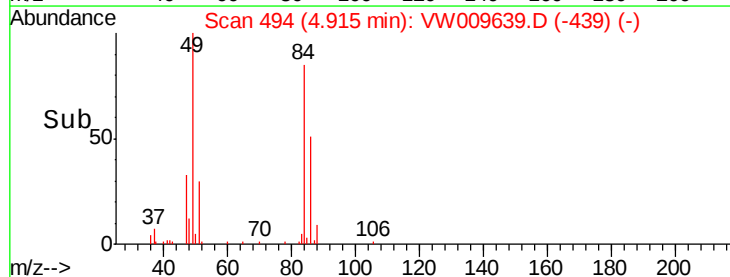
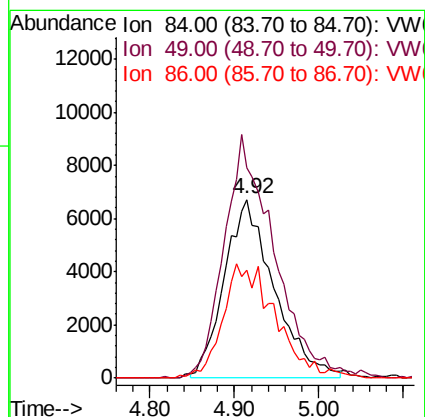
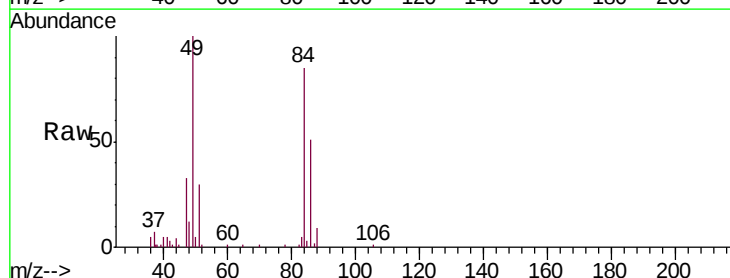
Tgt Ion: 84 Resp: 27147

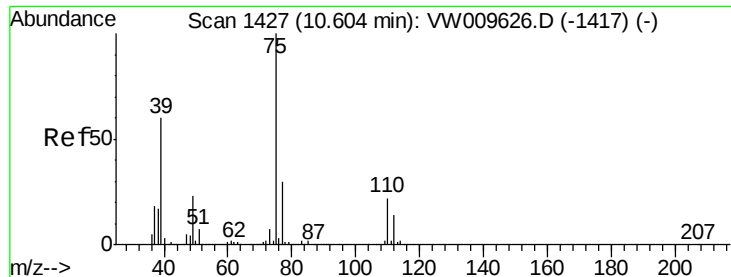
Ion Ratio Lower Upper

84 100

49 117.7 96.0 178.2

86 60.5 44.4 82.5





#45

trans-1,3-Dichloropropene

Concen: 0.461 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

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Instrument :

MSVOA_W

ClientSampleId :

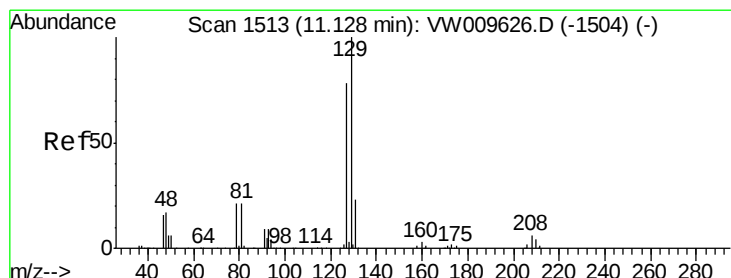
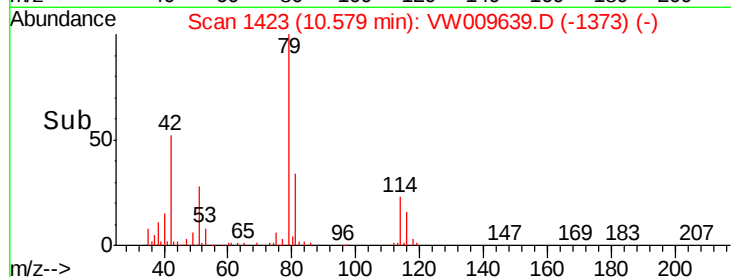
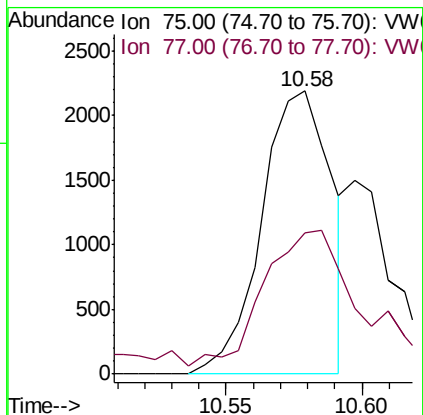
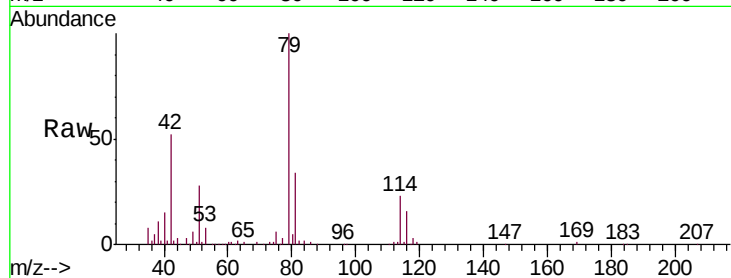
BF5A4

Tgt Ion: 75 Resp: 3900

Ion Ratio Lower Upper

75 100

77 49.7 22.5 41.7#



#50

Dibromochloromethane

Concen: 0.274 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009639.D

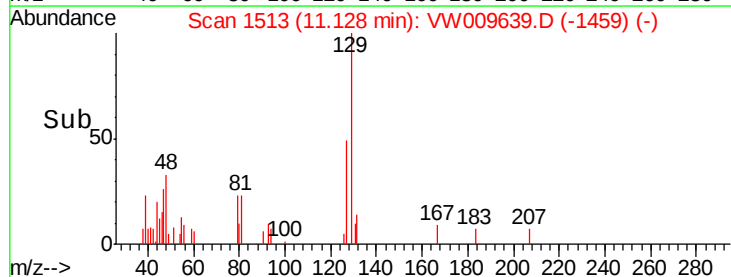
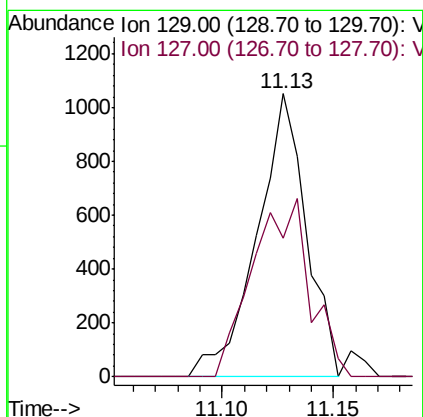
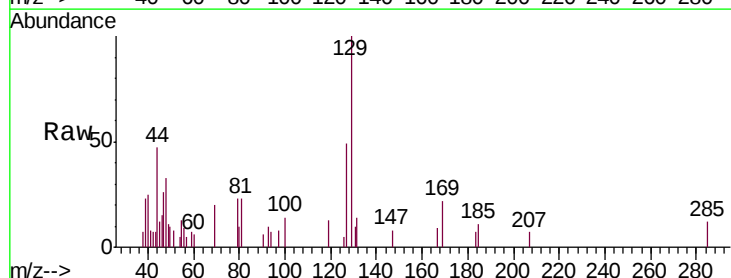
Acq: 01 Apr 2019 22:27

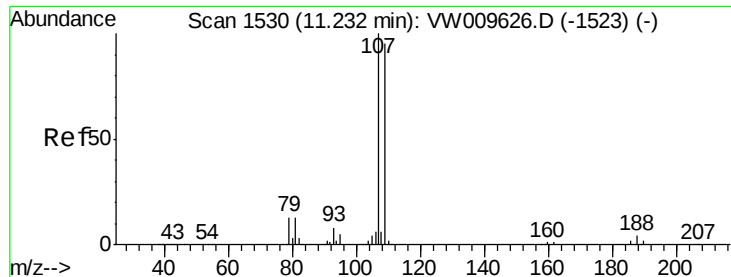
Tgt Ion: 129 Resp: 1613

Ion Ratio Lower Upper

129 100

127 49.2 56.8 105.6#

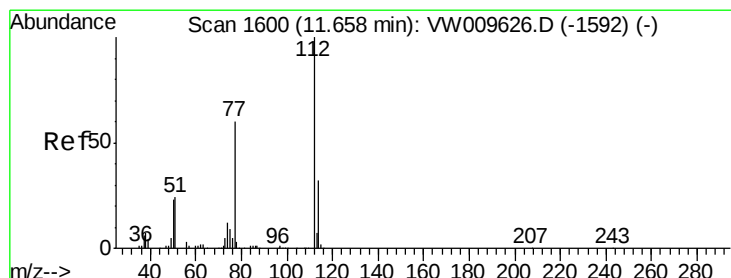
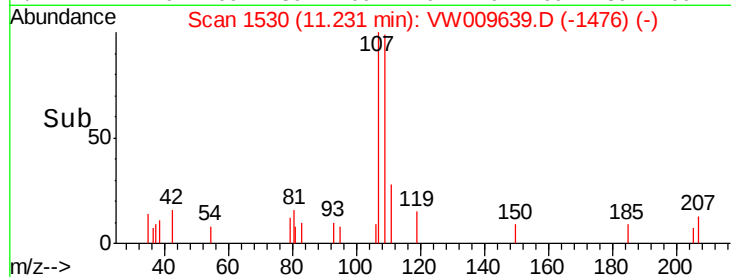
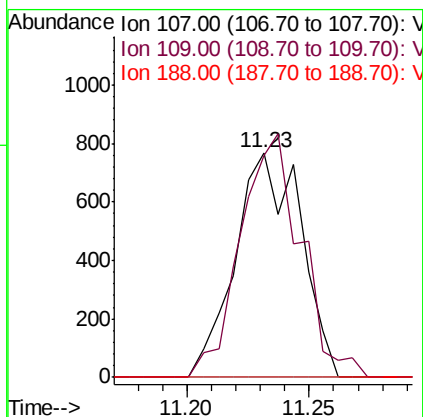
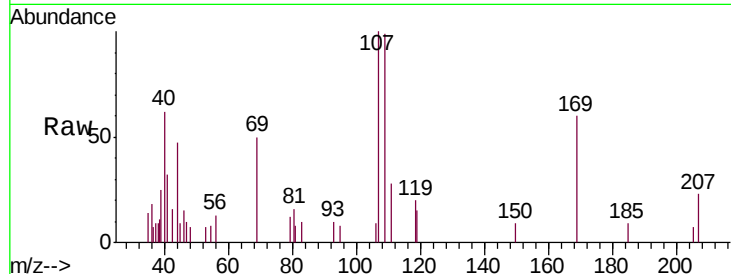




#51
 1,2-Dibromoethane
 Concen: 0.297 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009639.D
 Acq: 01 Apr 2019 22:27

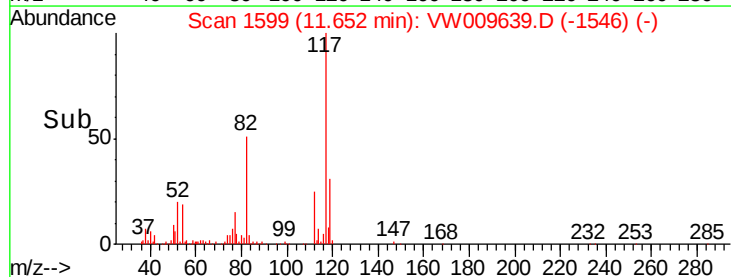
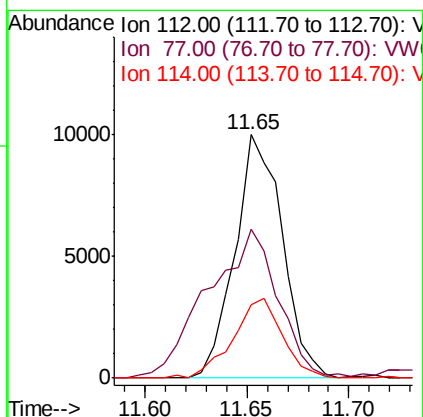
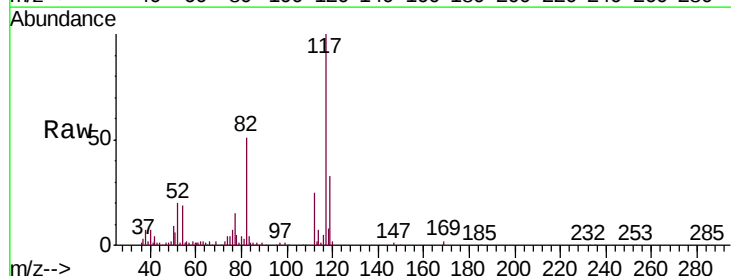
Instrument :
 MSVOA_W
 ClientSampled :
 BF5A4

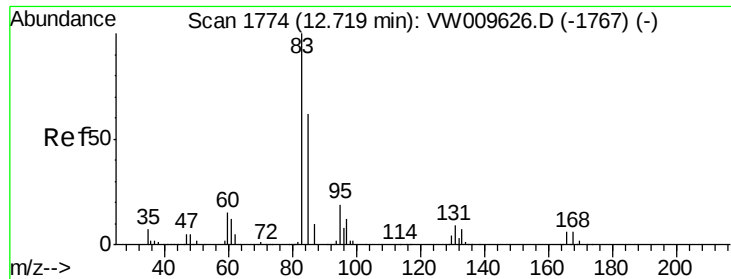
Tgt Ion:107 Resp: 1435
 Ion Ratio Lower Upper
 107 100
 109 98.8 68.0 126.4
 188 0.0 3.5 5.3#



#52
 Chlorobenzene
 Concen: 0.991 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW009639.D
 Acq: 01 Apr 2019 22:27

Tgt Ion:112 Resp: 16164
 Ion Ratio Lower Upper
 112 100
 77 61.2 45.7 68.5
 114 30.2 22.8 42.4





#58

1,1,2,2-Tetrachloroethane

Concen: 0.318 ug/L

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW009639.D

Acq: 01 Apr 2019 22:27

Instrument :

MSVOA_W

ClientSampleId :

BF5A4

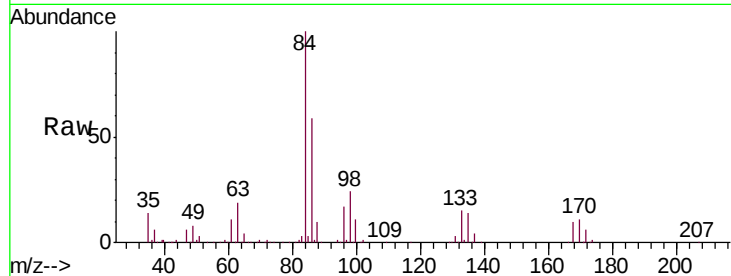
Tgt Ion: 83 Resp: 2044

Ion Ratio Lower Upper

83 100

85 81.5 45.6 84.8

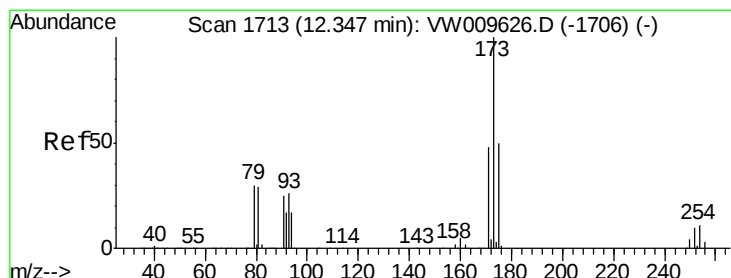
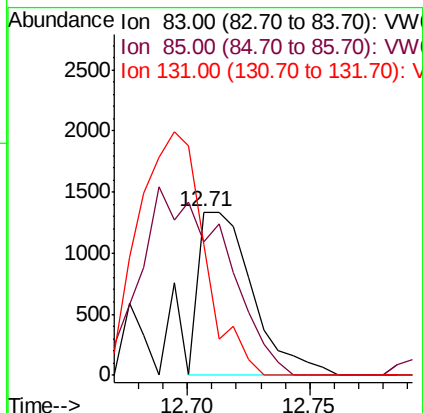
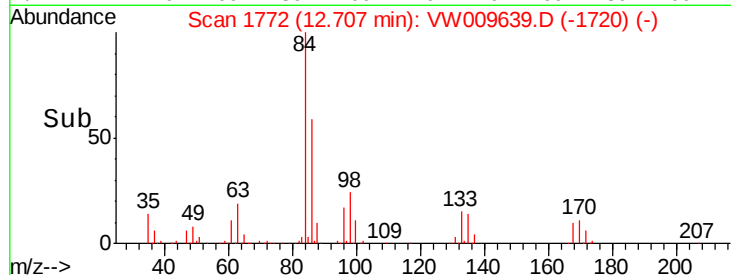
131 80.2 9.2 13.8#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#62

Bromoform

Concen: 0.368 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009639.D

Acq: 01 Apr 2019 22:27

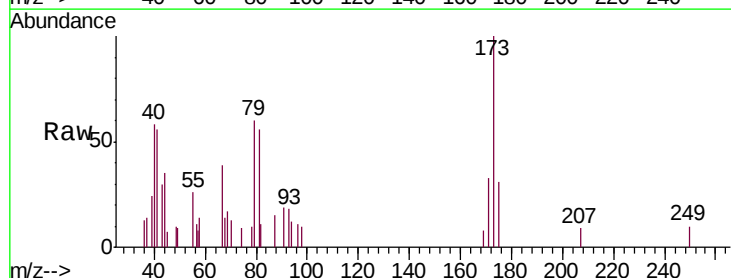
Tgt Ion: 173 Resp: 1154

Ion Ratio Lower Upper

173 100

175 27.4 39.7 59.5#

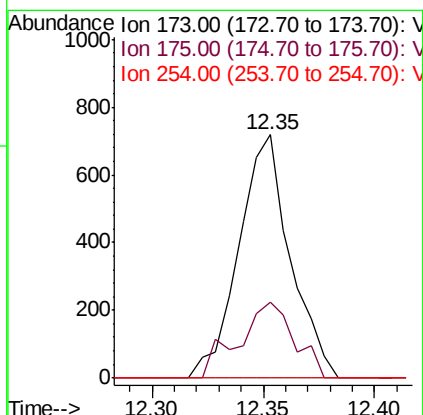
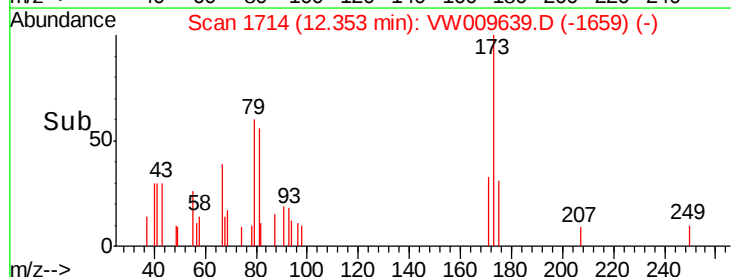
254 0.0 8.5 12.7#

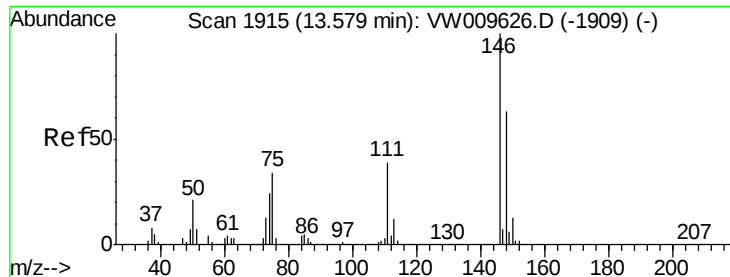


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#64

1,4-Dichlorobenzene

Concen: 0.299 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009639.D

Acq: 01 Apr 2019 22:27

Instrument :

MSVOA_W

ClientSampleId :

BF5A4

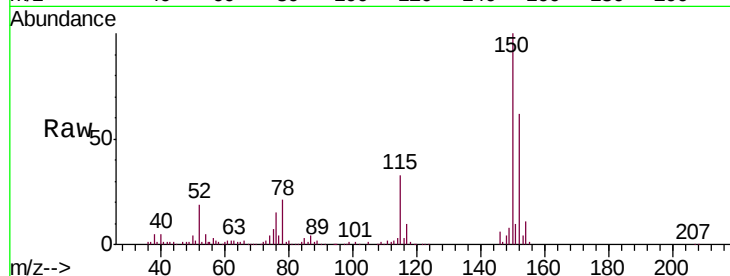
Tgt Ion:146 Resp: 3428

Ion Ratio Lower Upper

146 100

111 39.9 27.8 51.6

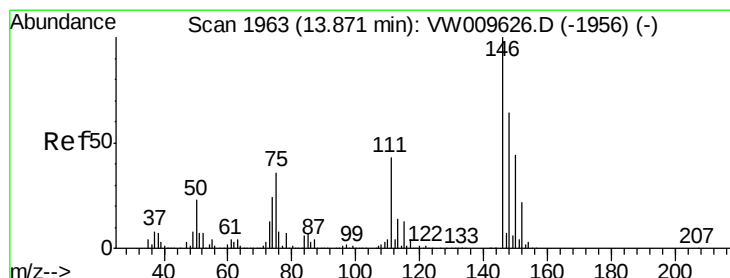
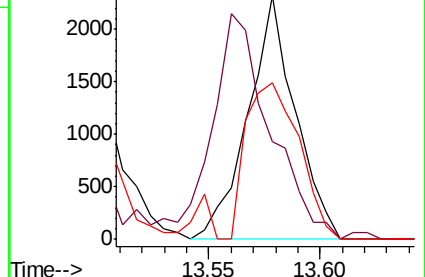
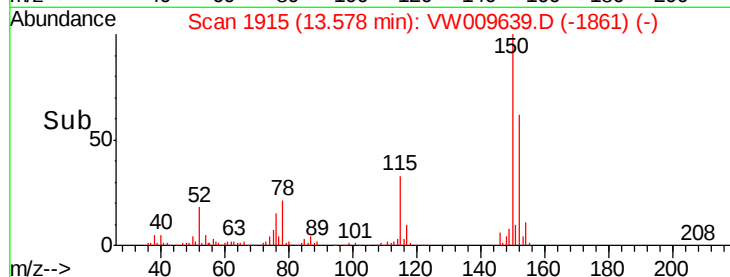
148 64.4 46.3 86.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 1.028 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009639.D

Acq: 01 Apr 2019 22:27

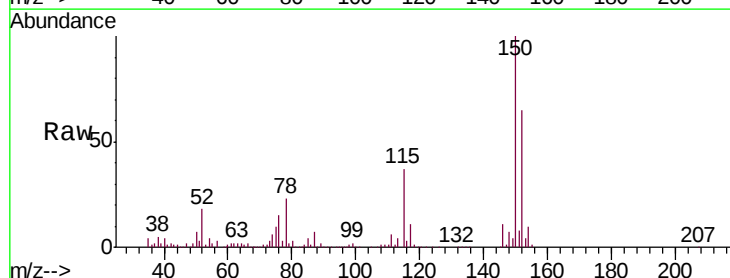
Tgt Ion:146 Resp: 10854

Ion Ratio Lower Upper

146 100

111 56.4 33.5 50.3#

148 65.2 50.2 75.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

