

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
 Data File : VW010126.D
 Acq On : 25 Apr 2019 02:25
 Operator : SY/VA
 Sample : K2481-22
 Misc : 5.07G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX5

Quant Time: Apr 25 03:57:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 25 03:54:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	728229	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	532407	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.86	152	65226	25.00	ug/L	0.30

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	110831	15.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.68%
7) Chloroethane-d5	2.89	69	103751	18.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.16%
10) 1,1-Dichloroethene-d2	4.01	63	256162	12.54	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	50.16%
20) 2-Butanone-d5	7.07	46	109538	33.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.64%
24) Chloroform-d	7.64	84	364294	18.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.16%
26) 1,2-Dichloroethane-d4	8.31	65	211424	18.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.60%
29) Benzene-d6	8.27	84	715548	23.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.92%
33) 1,2-Dichloropropane-d6	9.27	67	229765	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.76%
37) Toluene-d8	10.32	98	597149	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.20%
38) trans-1,3-Dichloropropene-	10.58	79	69525	16.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.20%
39) 2-Hexanone-d5	10.93	63	84626	42.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108360	13.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	55.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	89812	37.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	148.76%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.12	43	43894	17.693	ug/L	98
14) Carbon disulfide	4.37	76	21499	0.786	ug/L	98
21) 2-Butanone	7.17	43	17796	4.626	ug/L	95
25) Chloroform	7.67	83	21653	1.156	ug/L	81
34) Benzene	8.32	78	1506224	46.511	ug/L	100
36) Methylcyclohexane	9.33	83	20584	1.438	ug/L	91
46) 1,1,2-Trichloroethane	10.76	97	22513	3.713	ug/L #	23
49) 2-Hexanone	10.93	43	61263	13.461	ug/L #	37
54) m,p-Xylene	11.73	106	6942268	487.786	ug/L	99
57) Isopropylbenzene	12.47	105	1331151	36.251	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.69	83	9029	1.176	ug/L #	81
59) 1,2,3-Trichloropropane	12.74	75	25706	4.423	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	14.49	75	897015	2514.010	ug/L #	6
68) 1,2,4-trichlorobenzene	15.13	180	1845	0.745	ug/L #	13
69) Naphthalene	15.48	128	44300	7.245	ug/L #	1
70) 1,2,3-Trichlorobenzene	15.53	180	25712	11.091	ug/L #	1

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Response via : Initial Calibration

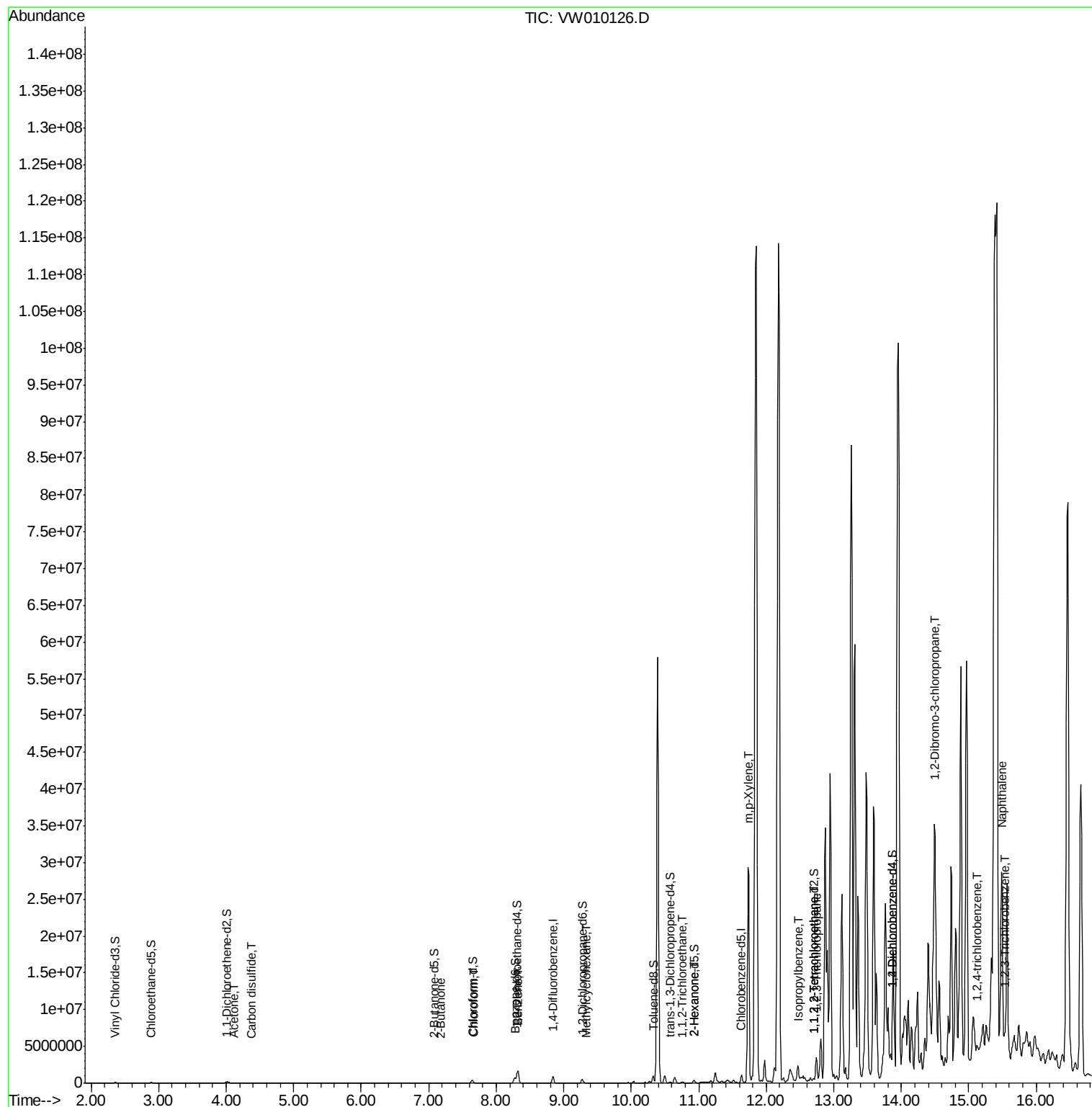
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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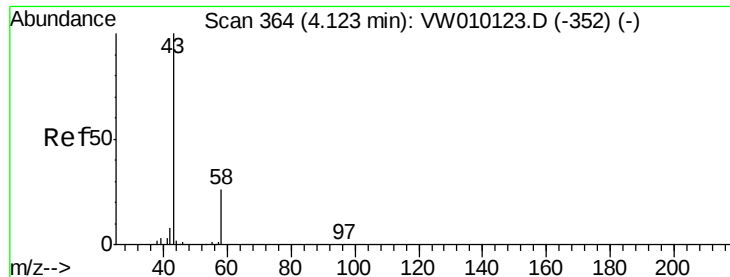
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW042419\
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#13

Acetone

Concen: 17.693 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010126.D

Acq: 25 Apr 2019 02:25

Instrument :

MSVOA_W

ClientSampled :

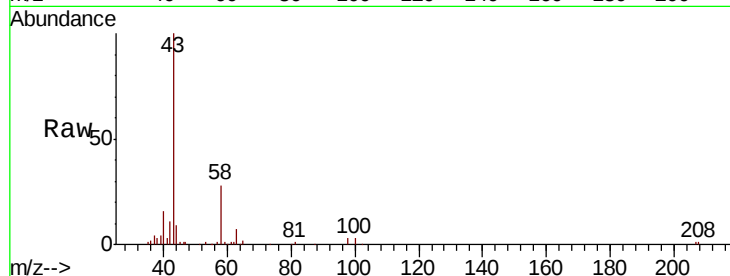
GAHX5

Tgt Ion: 43 Resp: 43894

Ion Ratio Lower Upper

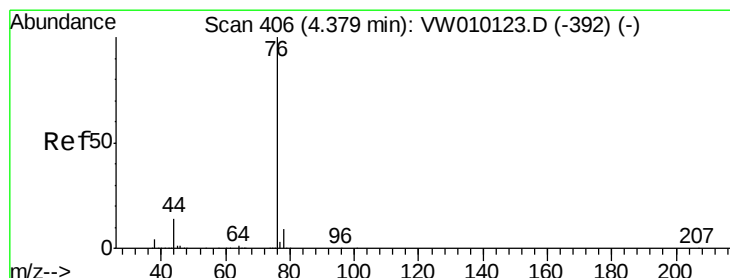
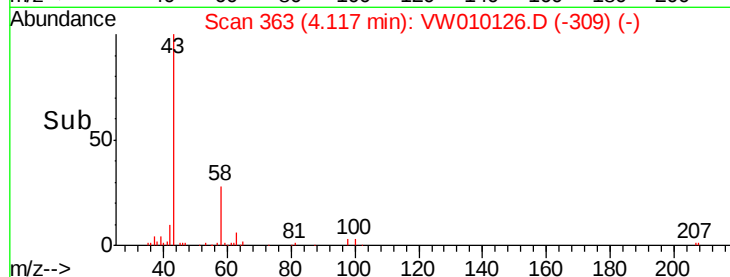
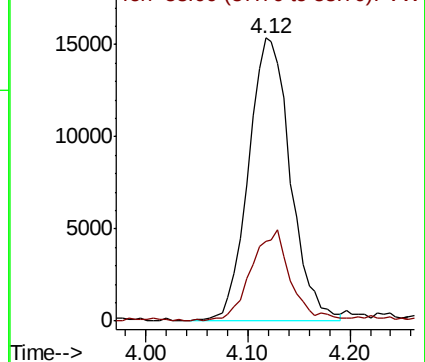
43 100

58 28.1 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.786 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010126.D

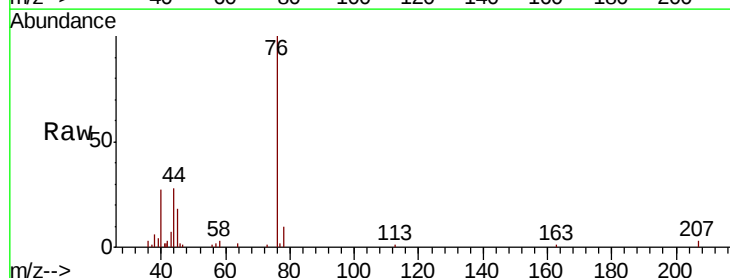
Acq: 25 Apr 2019 02:25

Tgt Ion: 76 Resp: 21499

Ion Ratio Lower Upper

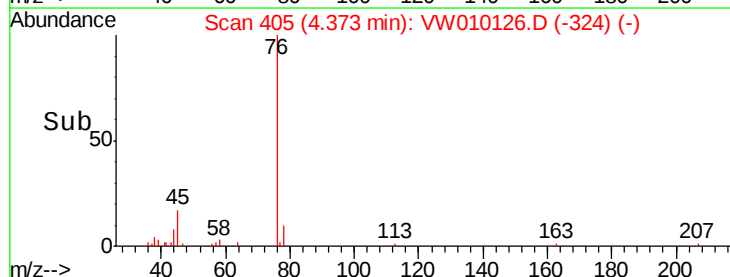
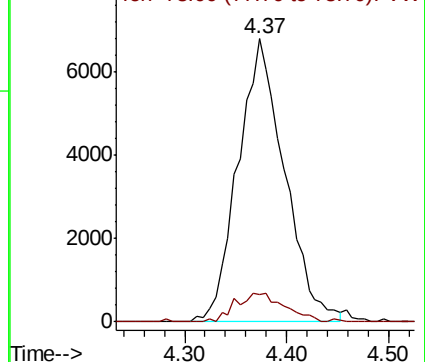
76 100

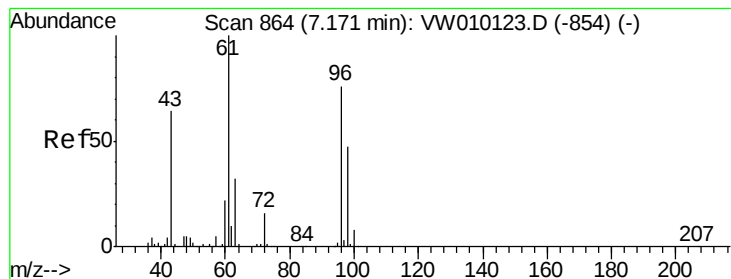
78 9.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#21

2-Butanone

Concen: 4.626 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010126.D

Acq: 25 Apr 2019 02:25

Instrument :

MSVOA_W

ClientSampled :

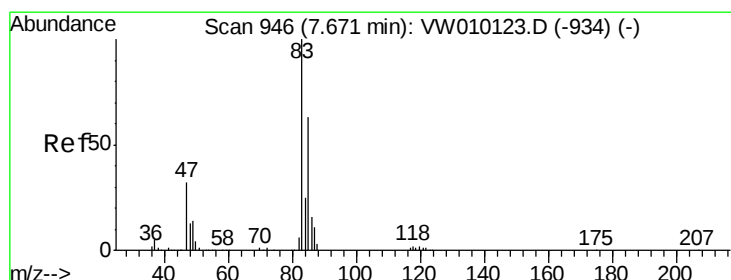
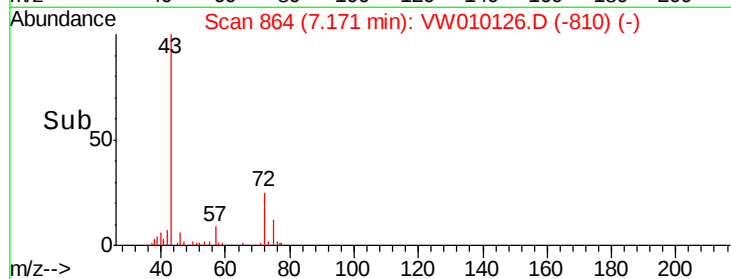
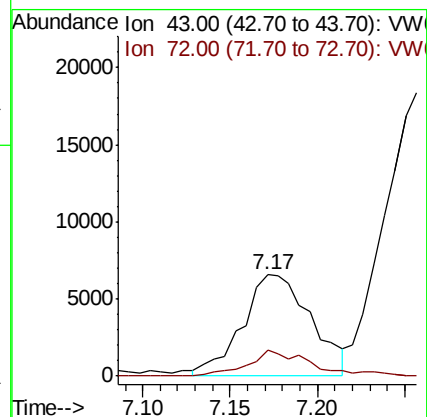
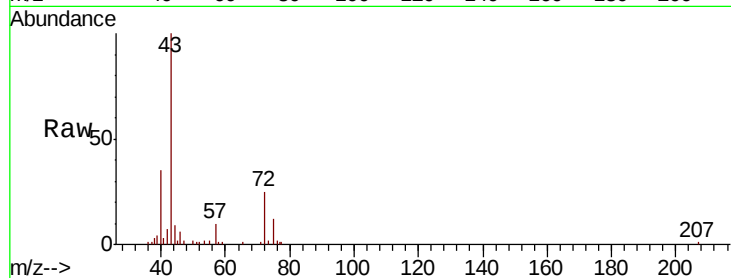
GAHX5

Tgt Ion: 43 Resp: 17796

Ion Ratio Lower Upper

43 100

72 21.8 12.3 36.8



#25

Chloroform

Concen: 1.156 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010126.D

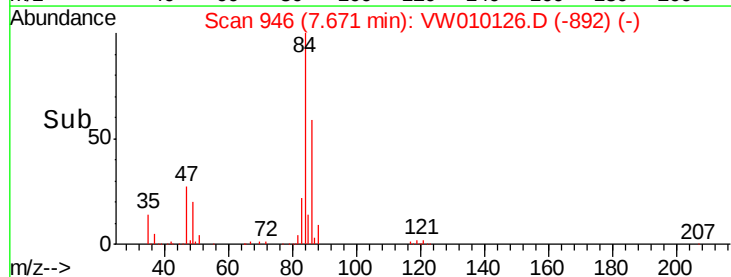
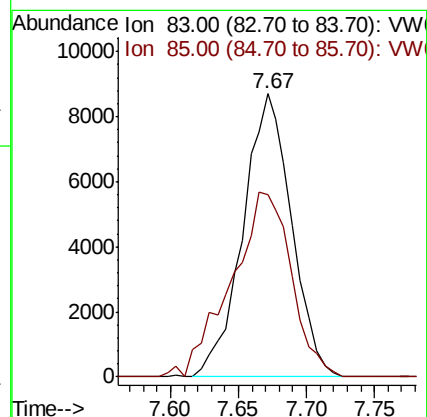
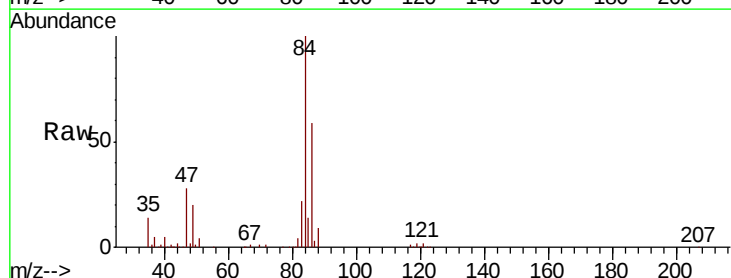
Acq: 25 Apr 2019 02:25

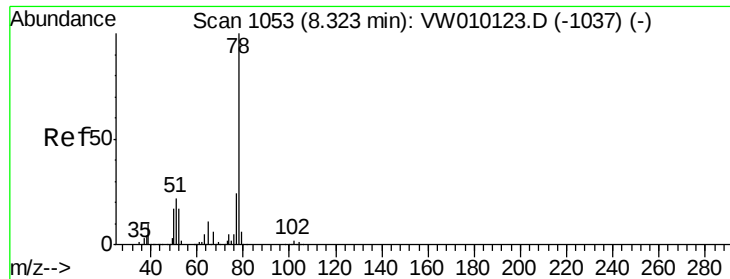
Tgt Ion: 83 Resp: 21653

Ion Ratio Lower Upper

83 100

85 79.9 45.4 84.2





#34

Benzene

Concen: 46.511 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW010126.D

Acq: 25 Apr 2019 02:25

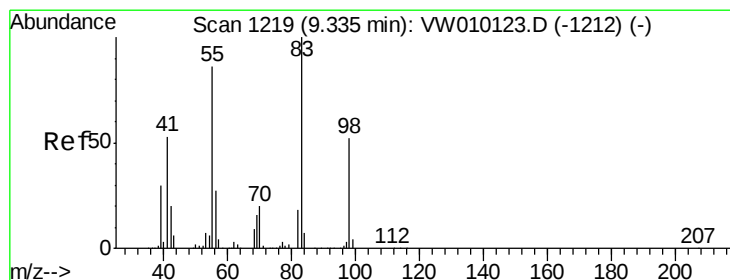
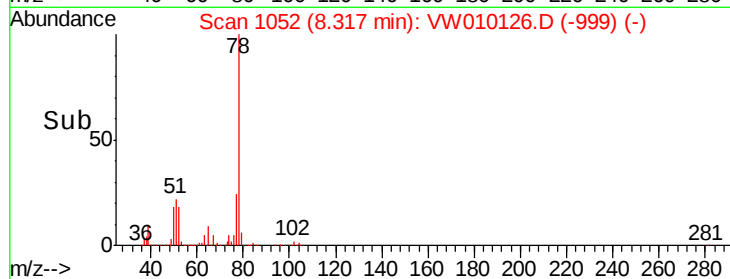
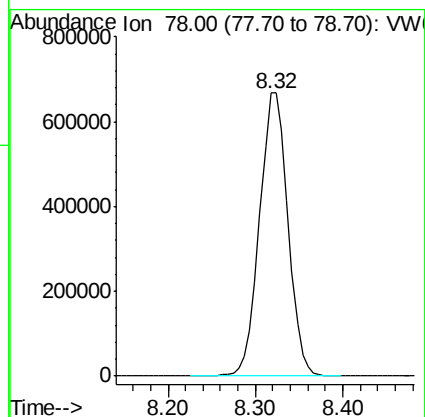
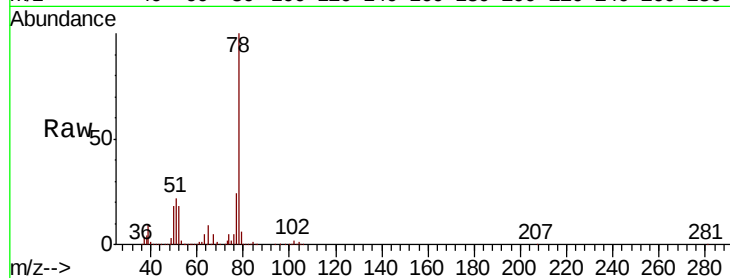
Instrument :

MSVOA_W

ClientSampleId :

GAHX5

Tgt Ion: 78 Resp: 1506224



#36

Methylcyclohexane

Concen: 1.438 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW010126.D

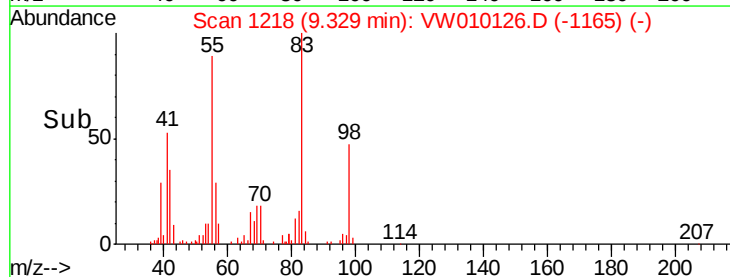
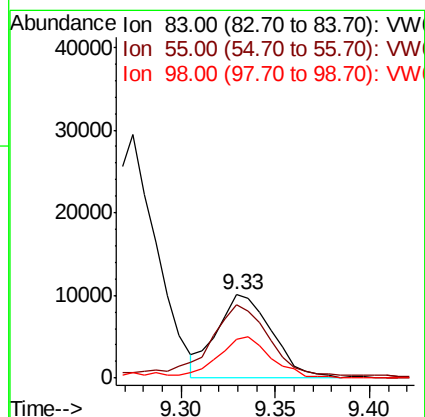
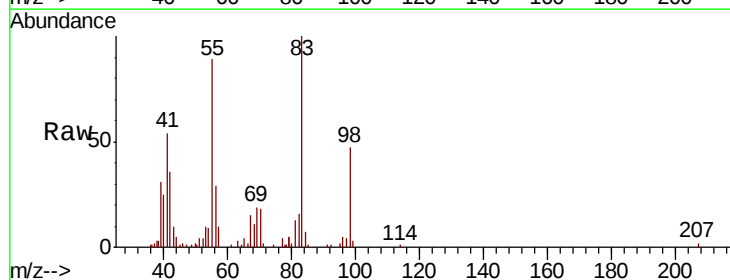
Acq: 25 Apr 2019 02:25

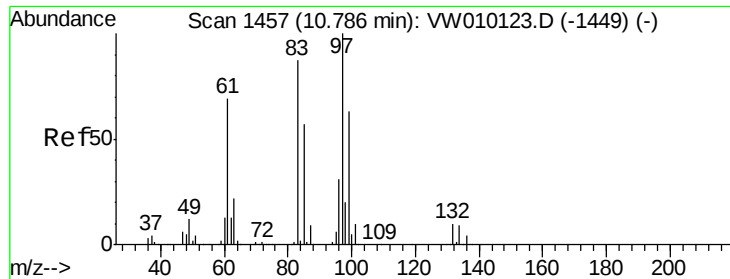
Tgt Ion: 83 Resp: 20584

Ion	Ratio	Lower	Upper
83	100		

55	94.8	66.6	100.0
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98	47.7	39.1	58.7
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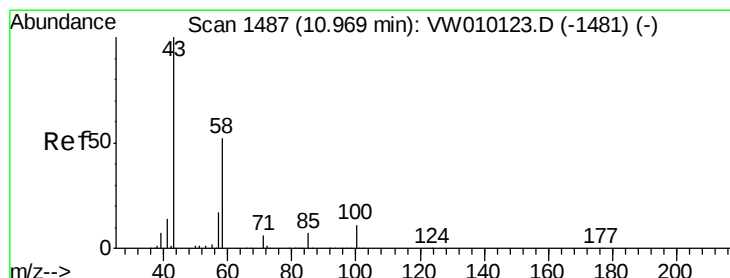
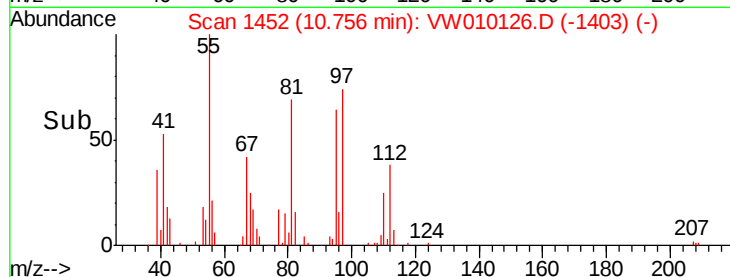
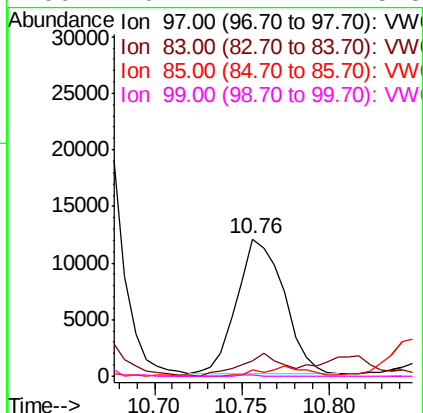
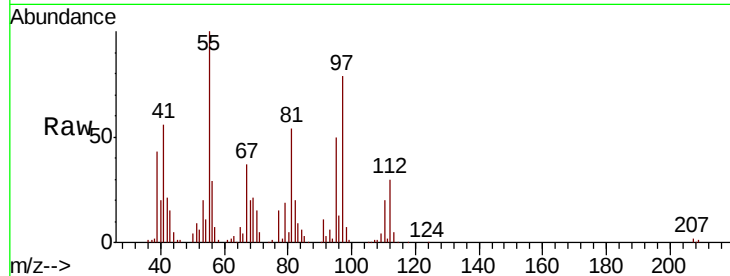




#46
 1,1,2-Trichloroethane
 Concen: 3.713 ug/L
 RT: 10.76 min Scan# 1452
 Delta R.T. -0.03 min
 Lab File: VW010126.D
 Acq: 25 Apr 2019 02:25

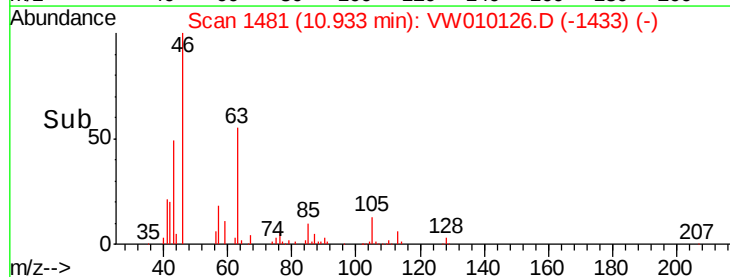
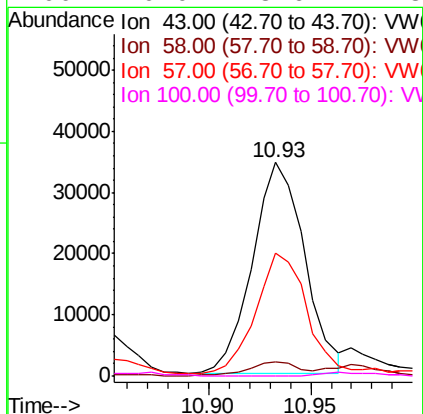
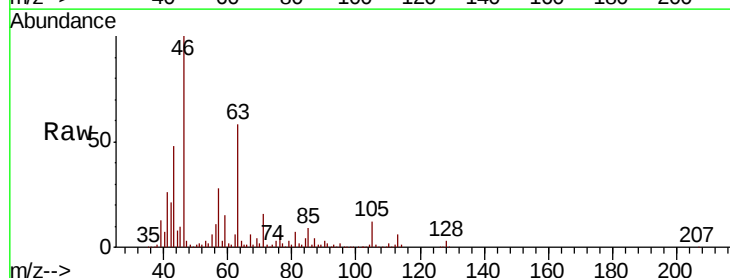
Instrument :
 MSVOA_W
 ClientSampleId :
 GAHX5

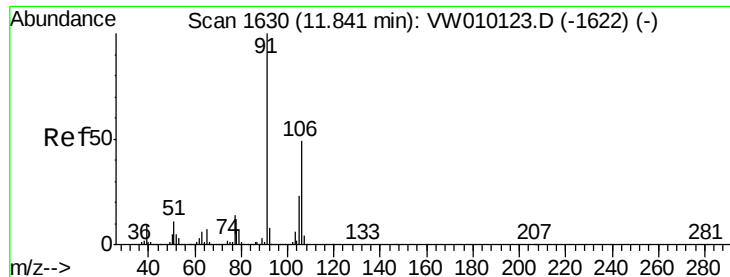
Tgt Ion: 97 Resp: 22513
 Ion Ratio Lower Upper
 97 100
 83 11.7 60.0 111.4#
 85 4.4 38.0 70.6#
 99 0.7 42.1 78.3#



#49
 2-Hexanone
 Concen: 13.461 ug/L
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.04 min
 Lab File: VW010126.D
 Acq: 25 Apr 2019 02:25

Tgt Ion: 43 Resp: 61263
 Ion Ratio Lower Upper
 43 100
 58 6.7 39.9 59.9#
 57 55.9 14.3 21.5#
 100 0.0 8.6 12.8#





#54

m,p-Xylene

Concen: 487.786 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.11 min

Lab File: VW010126.D

Acq: 25 Apr 2019 02:25

Instrument :

MSVOA_W

ClientSampleId :

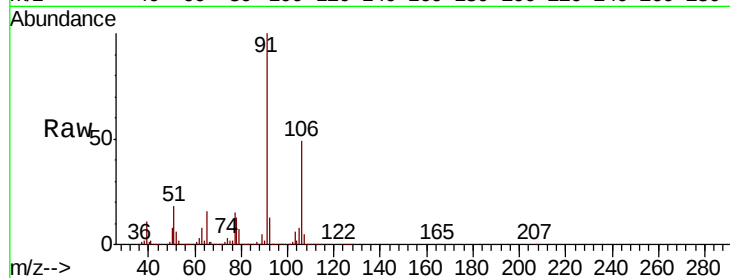
GAHX5

Tgt Ion:106 Resp: 6942268

Ion Ratio Lower Upper

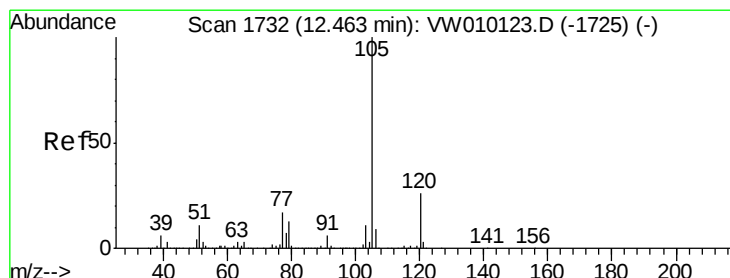
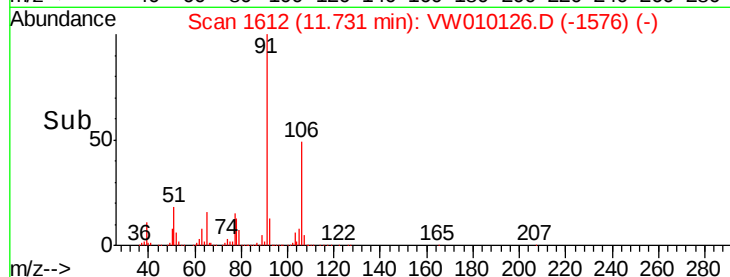
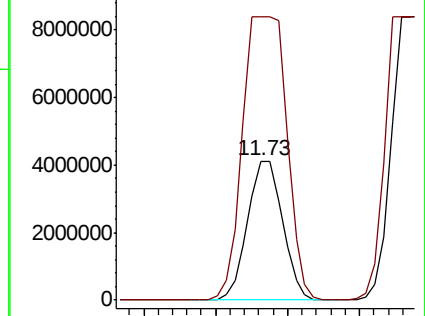
106 100

91 203.6 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#57

Isopropylbenzene

Concen: 36.251 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010126.D

Acq: 25 Apr 2019 02:25

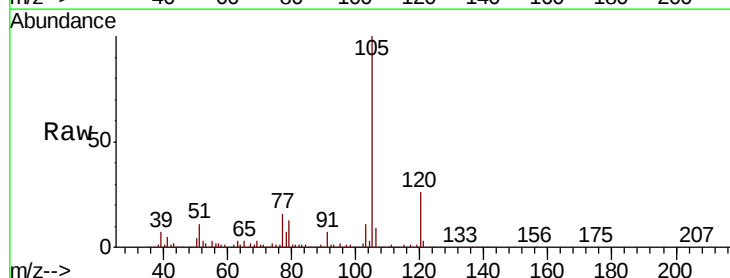
Tgt Ion:105 Resp: 1331151

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

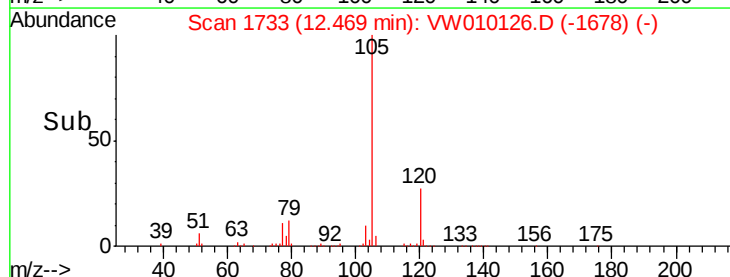
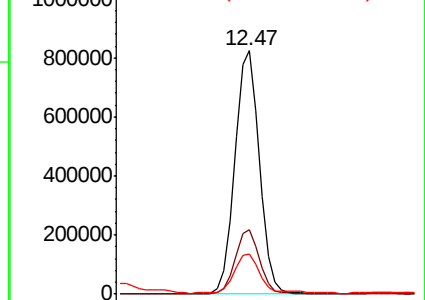
77 16.3 13.3 19.9

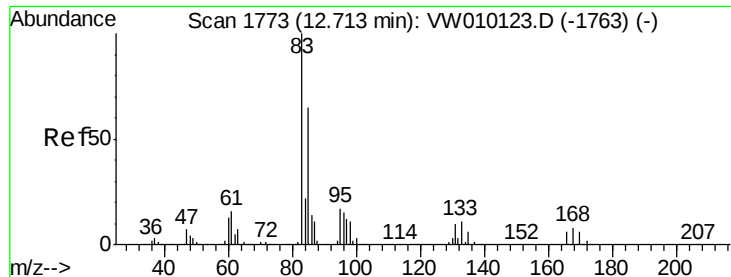


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

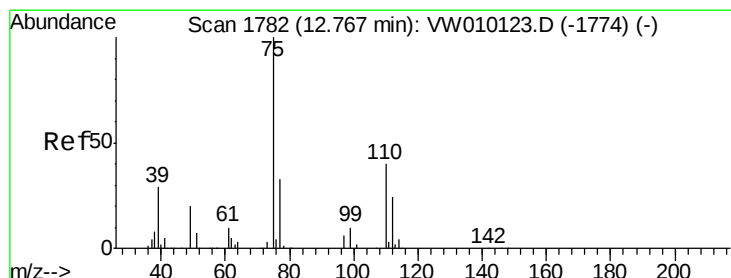
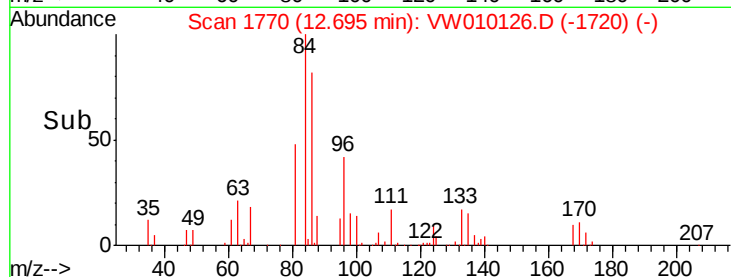
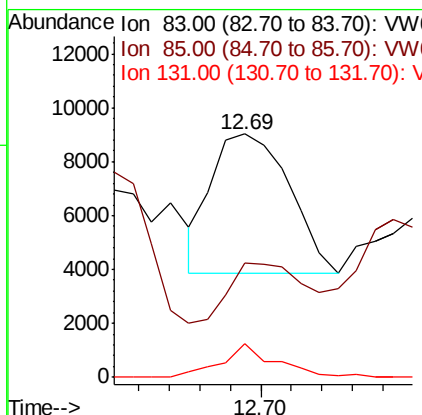
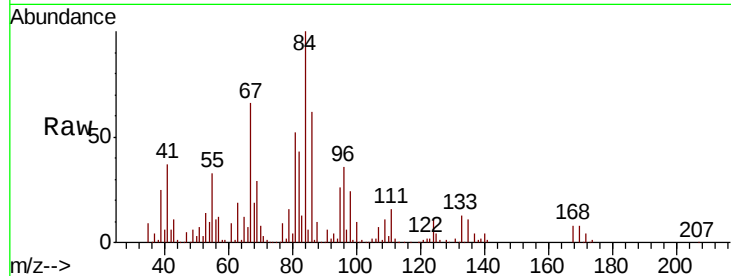




#58
 1,1,2,2-Tetrachloroethane
 Concen: 1.176 ug/L
 RT: 12.69 min Scan# 1770
 Delta R.T. -0.02 min
 Lab File: VW010126.D
 Acq: 25 Apr 2019 02:25

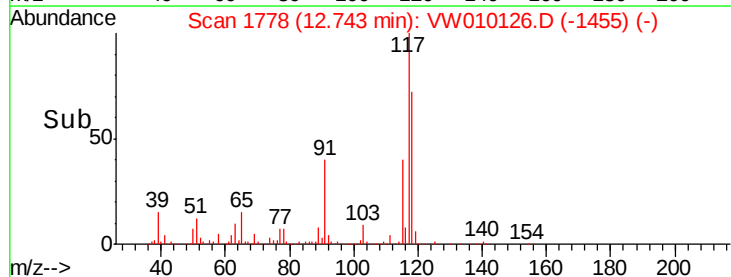
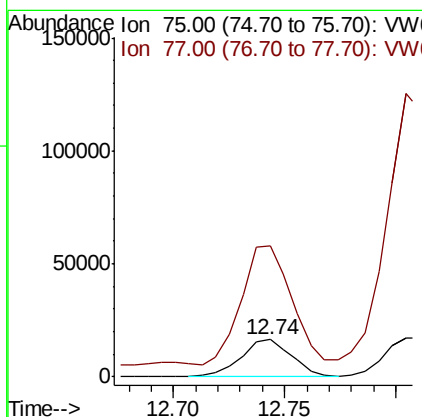
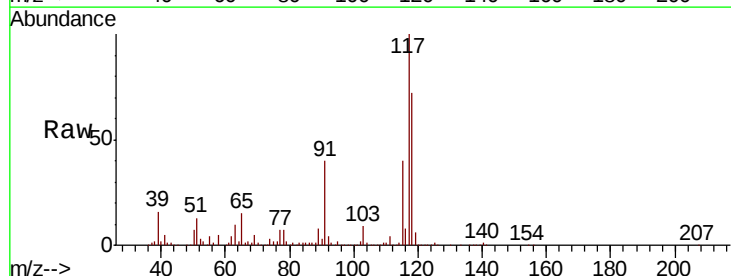
Instrument :
 MSVOA_W
 ClientSampled :
 GAHX5

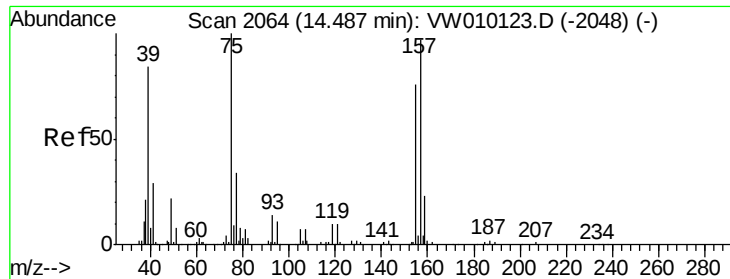
Tgt Ion: 83 Resp: 9029
 Ion Ratio Lower Upper
 83 100
 85 47.0 44.2 82.2
 131 13.6 7.8 11.8#



#59
 1,2,3-Trichloropropane
 Concen: 4.423 ug/L
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.03 min
 Lab File: VW010126.D
 Acq: 25 Apr 2019 02:25

Tgt Ion: 75 Resp: 25706
 Ion Ratio Lower Upper
 75 100
 77 329.1 26.1 39.1#

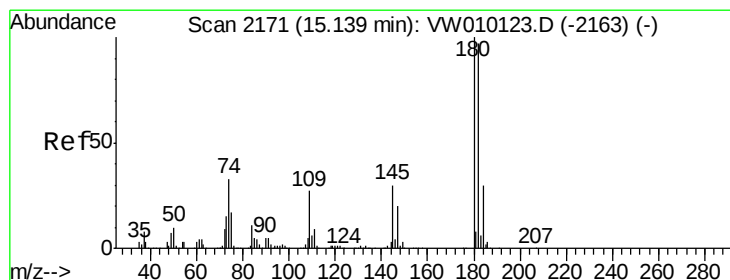
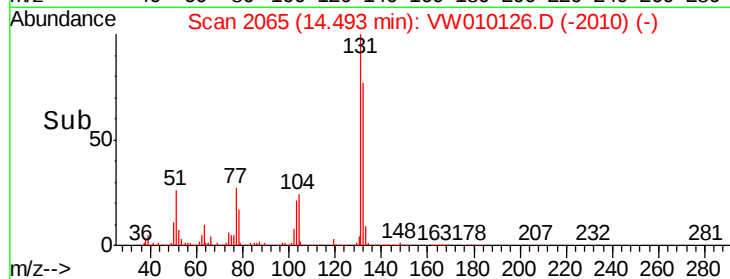
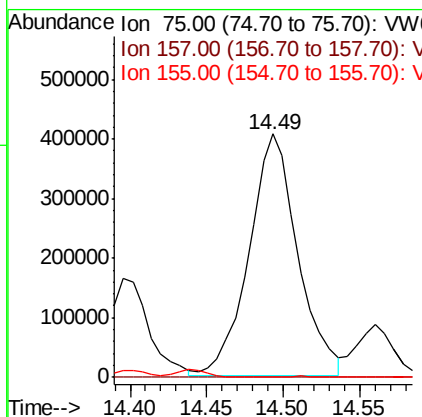
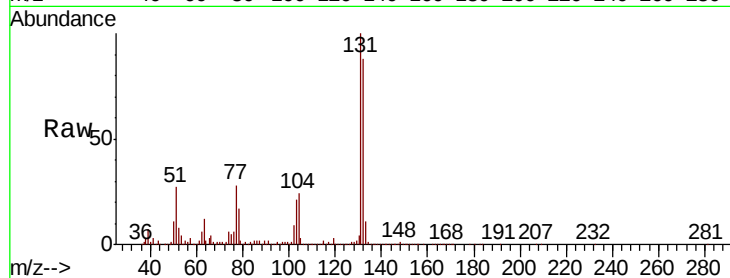




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2514.010 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW010126.D
 Acq: 25 Apr 2019 02:25

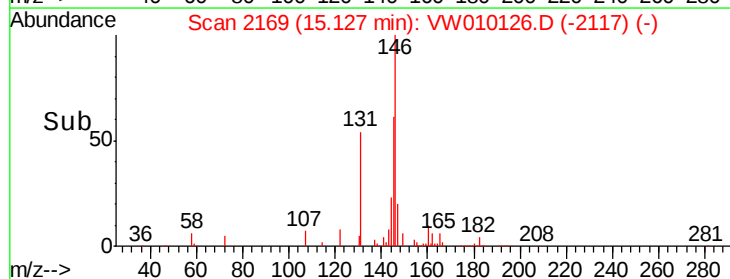
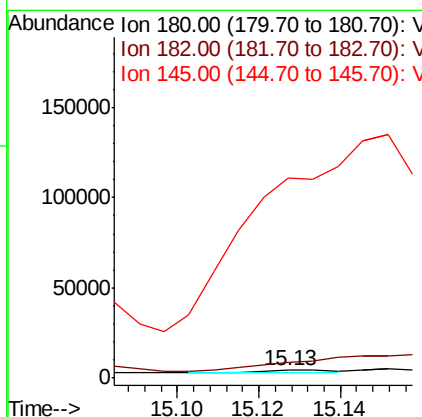
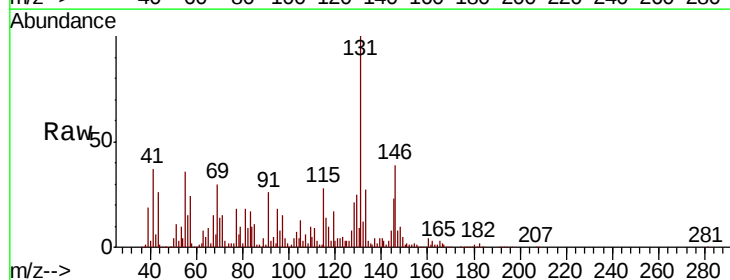
Instrument :
 MSVOA_W
 ClientSampleID :
 GAHX5

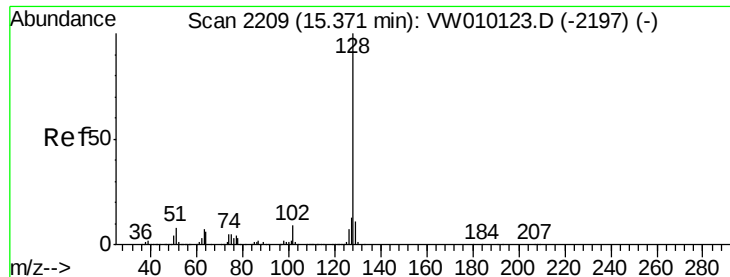
Tgt Ion: 75 Resp: 897015
 Ion Ratio Lower Upper
 75 100
 157 0.0 78.4 117.6#
 155 0.2 60.2 90.2#



#68
 1,2,4-trichlorobenzene
 Concen: 0.745 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW010126.D
 Acq: 25 Apr 2019 02:25

Tgt Ion: 180 Resp: 1845
 Ion Ratio Lower Upper
 180 100
 182 0.0 75.0 112.4#
 145 0.0 24.4 36.6#





#69

Naphthalene

Concen: 7.245 ug/L

RT: 15.48 min Scan# 2227

Delta R.T. 0.11 min

Lab File: VW010126.D

Acq: 25 Apr 2019 02:25

Instrument :

MSVOA_W

ClientSampled :

GAHX5

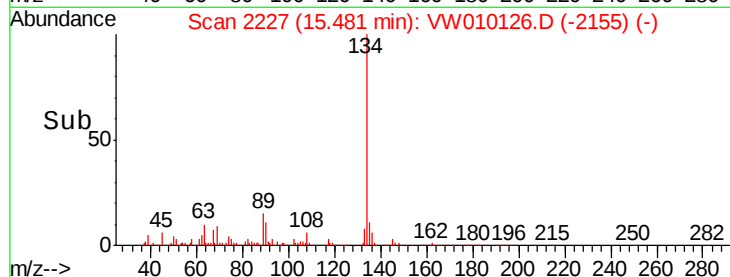
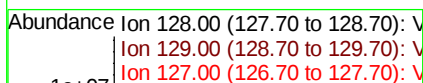
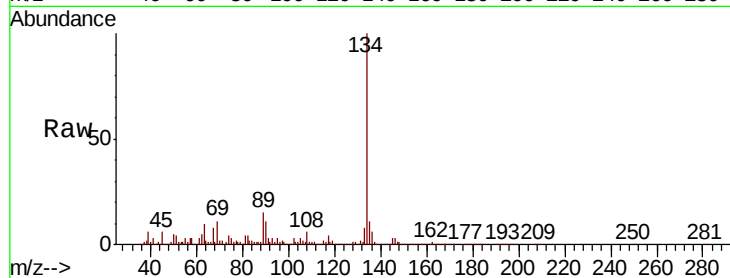
Tgt Ion:128 Resp: 44300

Ion Ratio Lower Upper

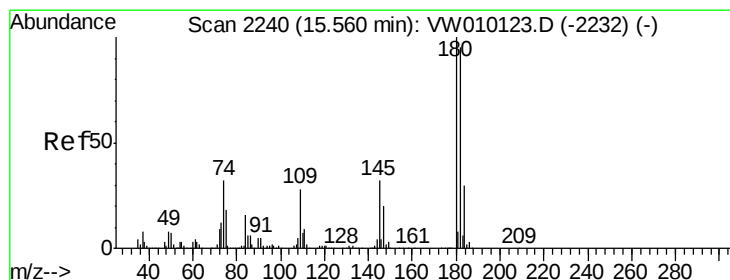
128 100

129 224.7 8.6 13.0#

127 36.3 10.8 16.2#



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 11.091 ug/L

RT: 15.53 min Scan# 2235

Delta R.T. -0.03 min

Lab File: VW010126.D

Acq: 25 Apr 2019 02:25

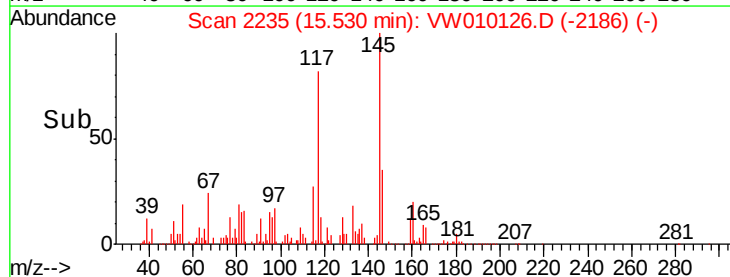
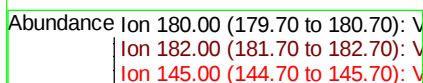
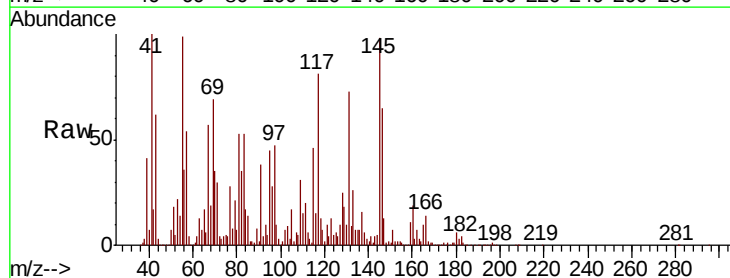
Tgt Ion:180 Resp: 25712

Ion Ratio Lower Upper

180 100

182 66.8 75.2 112.8#

145 865.9 26.1 39.1#



Time-->