

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102418\
 Data File : VW006325.D
 Acq On : 24 Oct 2018 17:43
 Operator : SY/AP
 Sample : J5635-23
 Misc : 5.23G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A40F9

Quant Time: Oct 25 07:37:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 07:32:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	283232	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	213533	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	82510	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	68465	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.72%
7) Chloroethane-d5	2.90	69	67380	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.04%
10) 1,1-Dichloroethene-d2	4.01	63	101999	16.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.52%
20) 2-Butanone-d5	7.09	46	46898	44.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.58%
24) Chloroform-d	7.65	84	154760	25.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.88%
26) 1,2-Dichloroethane-d4	8.31	65	90095	26.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.16%
29) Benzene-d6	8.28	84	295033	30.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	121.72%
33) 1,2-Dichloropropane-d6	9.28	67	89808	30.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.76%#
37) Toluene-d8	10.33	98	245336	25.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.24%
38) trans-1,3-Dichloropropene-	10.58	79	34182	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.16%
39) 2-Hexanone-d5	10.93	63	39713	56.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	75476	26.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	62341	22.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.14	43	16392	15.325	ug/L	99
35) Trichloroethene	8.85	95	7951	2.578	ug/L #	2
40) 1,2-Dichloropropane	9.28	63	10644	3.914	ug/L #	88
42) cis-1,3-Dichloropropene	10.04	75	2548	0.574	ug/L #	67
44) Toluene	10.39	91	3528	0.287	ug/L	96
52) Chlorobenzene	11.66	112	16915	2.031	ug/L	97
54) m,p-Xylene	11.84	106	3087	0.550	ug/L	88
63) 1,3-Dichlorobenzene	13.51	146	660048	130.265	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	10174086	1993.945	ug/L	93
65) 1,2-Dichlorobenzene	13.88	146	1185720	254.375	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.47	75	20541	54.747	ug/L #	1
67) 1,3,5-Trichlorobenzene	14.64	180	20185	4.942	ug/L	97
68) 1,2,4-trichlorobenzene	15.21	180	10583664	3038.899	ug/L	98
69) Naphthalene	15.39	128	2886	0.409	ug/L #	65
70) 1,2,3-Trichlorobenzene	15.57	180	15139107	4838.572	ug/L #	94

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Quant Title : VOC Analysis
QLast Update : Thu Oct 25 07:32:16 2018
Response via : Initial Calibration

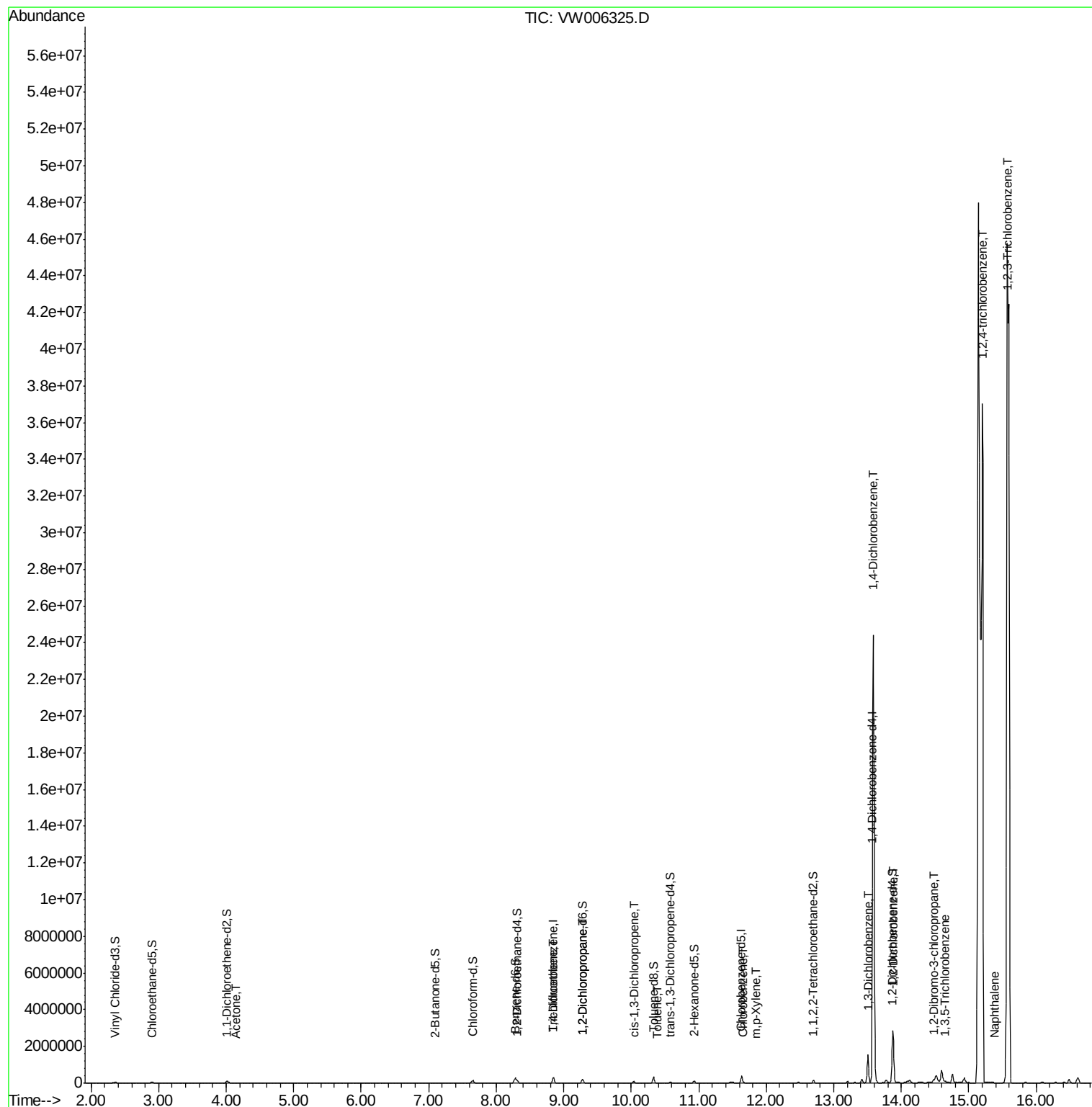
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

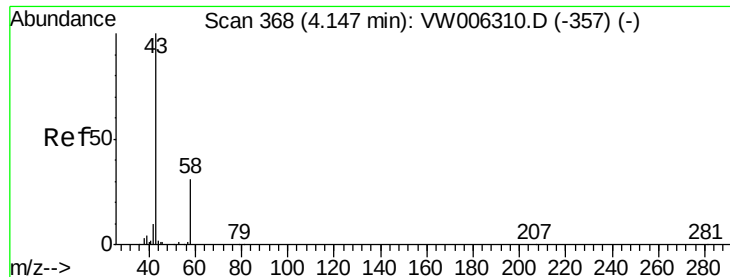
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#13

Acetone

Concen: 15.325 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006325.D

Acq: 24 Oct 2018 17:43

Instrument :

MSVOA_W

ClientSampleId :

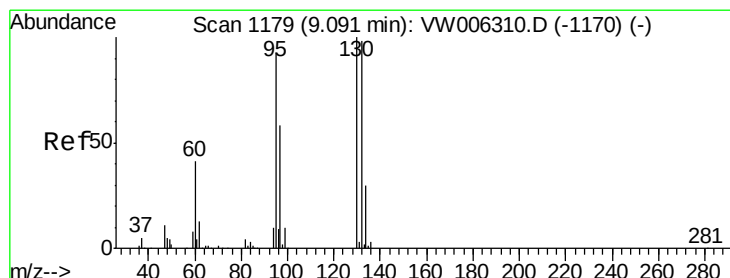
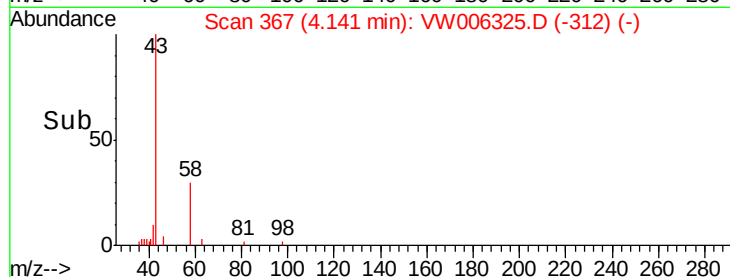
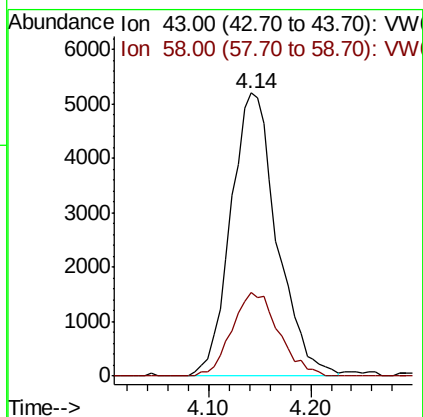
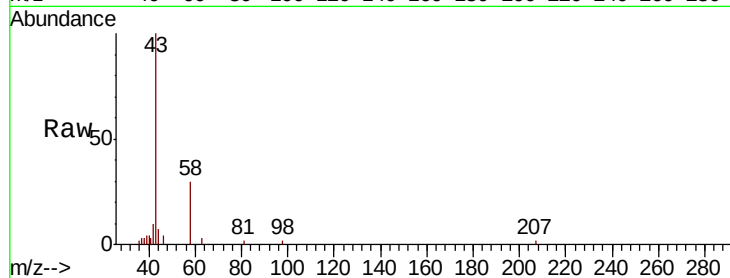
A40F9

Tgt Ion: 43 Resp: 16392

Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.2



#35

Trichloroethene

Concen: 2.578 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW006325.D

Acq: 24 Oct 2018 17:43

Tgt Ion: 95 Resp: 7951

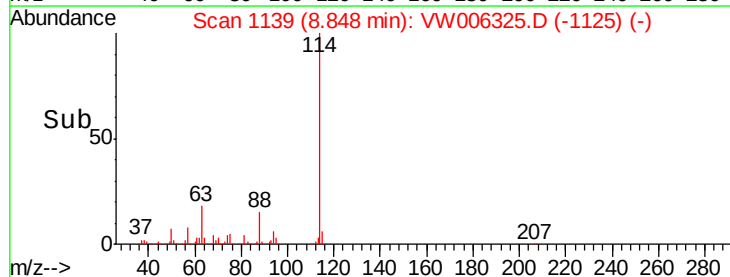
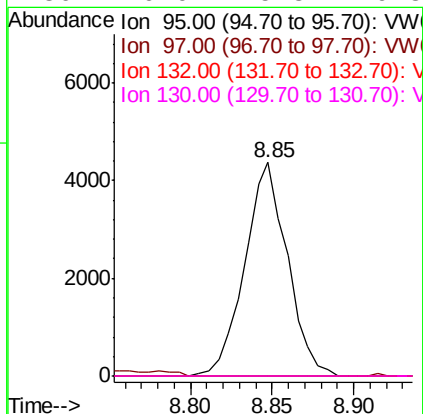
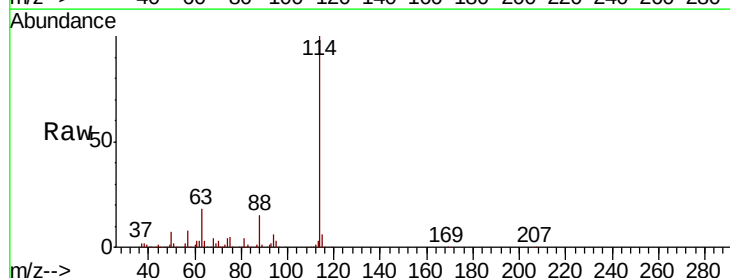
Ion Ratio Lower Upper

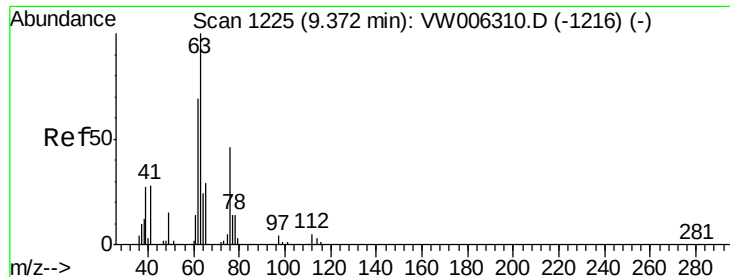
95 100

97 0.6 45.8 85.0#

132 0.0 72.9 135.3#

130 0.0 75.8 140.8#





#40

1,2-Dichloropropane

Concen: 3.914 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW006325.D

Acq: 24 Oct 2018 17:43

Instrument :

MSVOA_W

ClientSampleId :

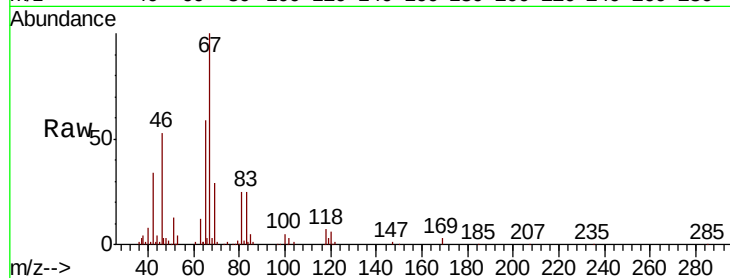
A40F9

Tgt Ion: 63 Resp: 10644

Ion Ratio Lower Upper

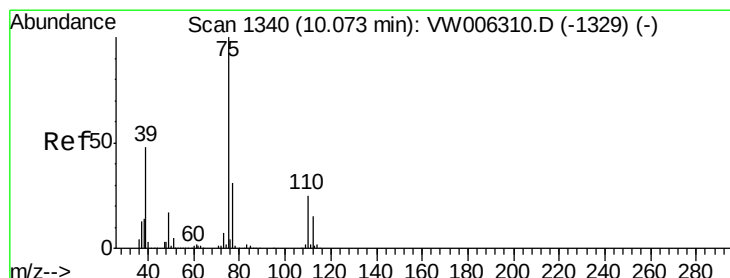
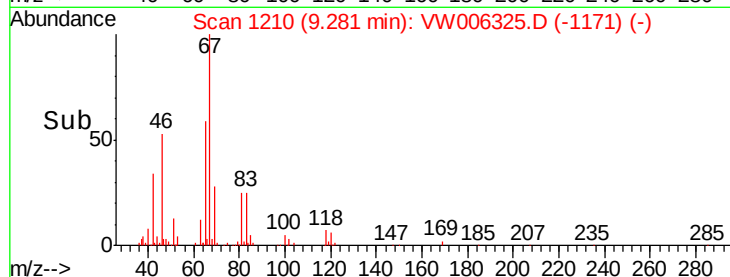
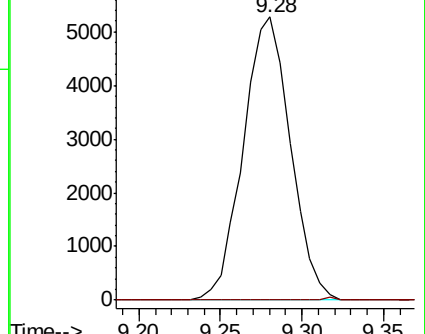
63 100

112 0.5 3.5 5.3#



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: 0.574 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW006325.D

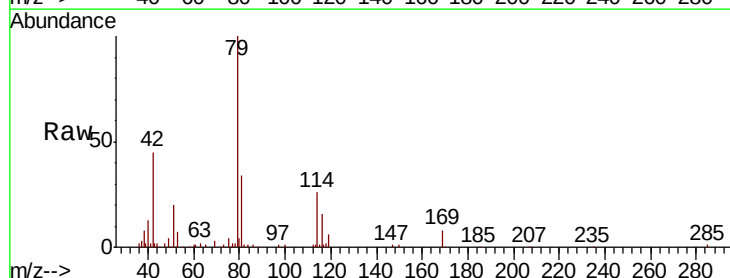
Acq: 24 Oct 2018 17:43

Tgt Ion: 75 Resp: 2548

Ion Ratio Lower Upper

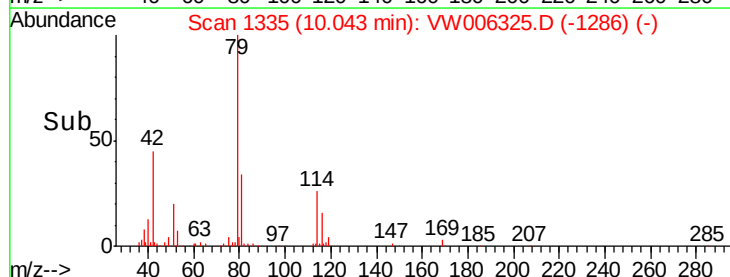
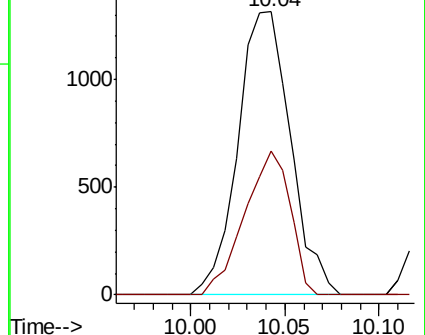
75 100

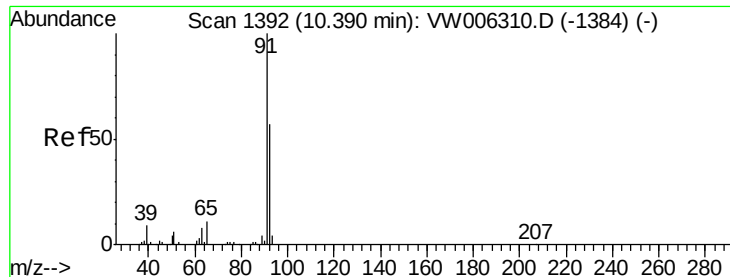
77 50.9 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.287 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006325.D

Acq: 24 Oct 2018 17:43

Instrument :

MSVOA_W

ClientSampleId :

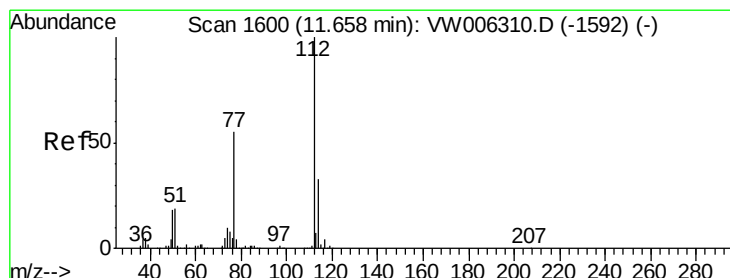
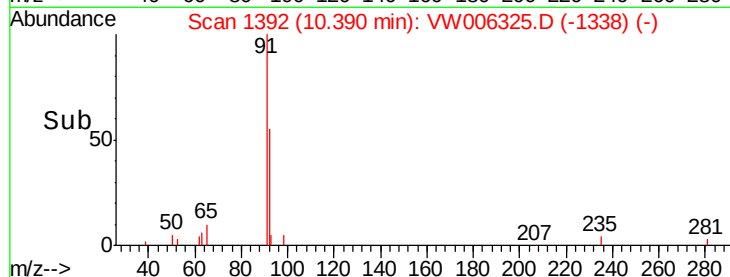
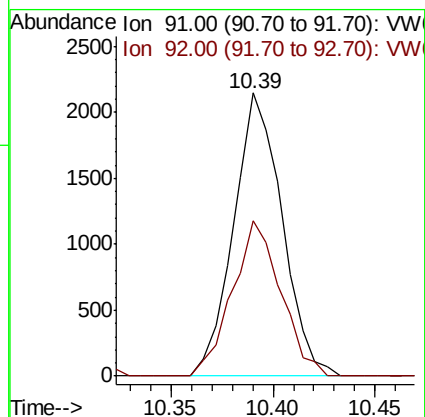
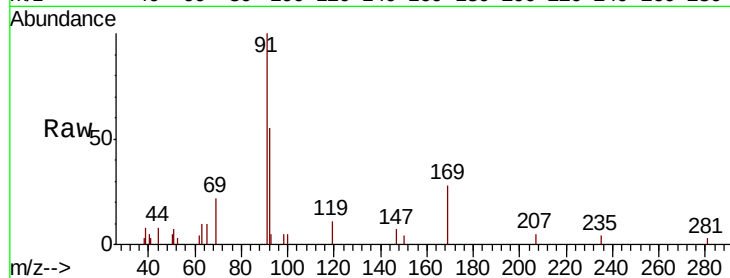
A40F9

Tgt Ion: 91 Resp: 3528

Ion Ratio Lower Upper

91 100

92 54.8 40.4 75.0



#52

Chlorobenzene

Concen: 2.031 ug/L

RT: 11.66 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VW006325.D

Acq: 24 Oct 2018 17:43

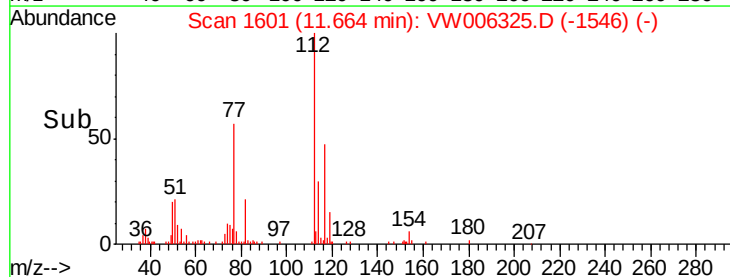
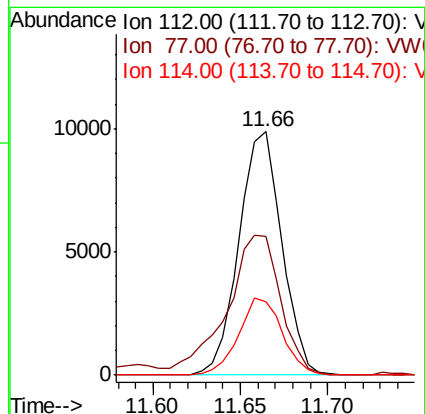
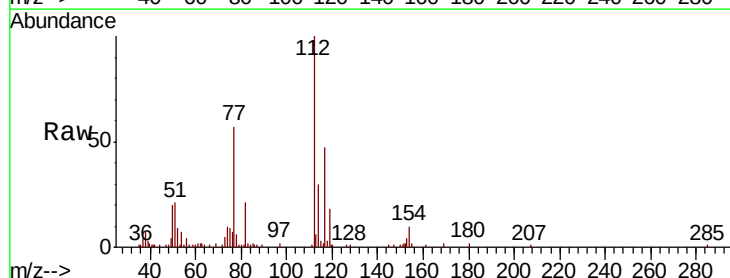
Tgt Ion: 112 Resp: 16915

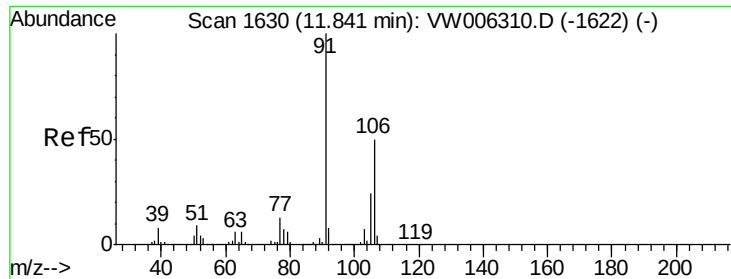
Ion Ratio Lower Upper

112 100

77 57.2 44.2 66.2

114 29.9 22.1 41.1

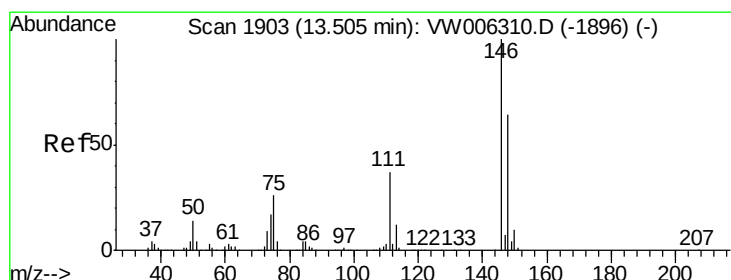
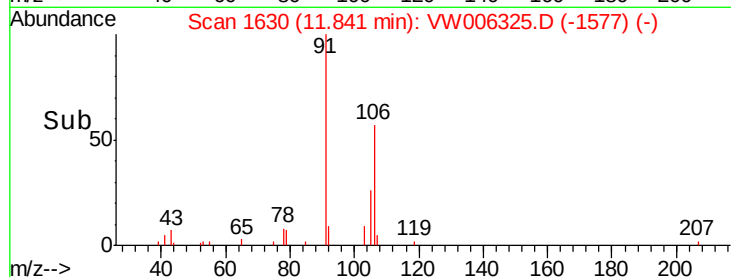
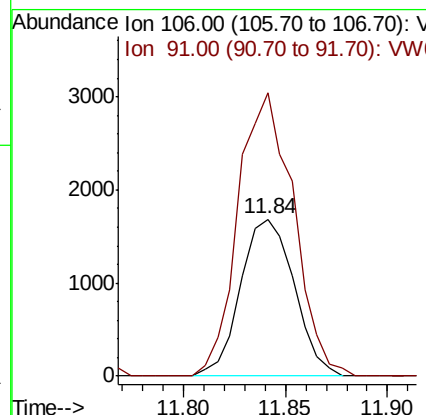
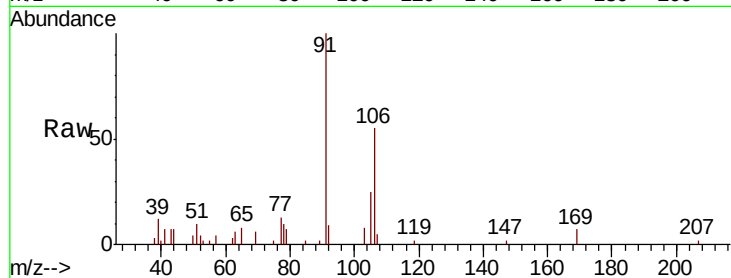




#54
 m,p-Xylene
 Concen: 0.550 ug/L
 RT: 11.84 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: VW006325.D
 Acq: 24 Oct 2018 17:43

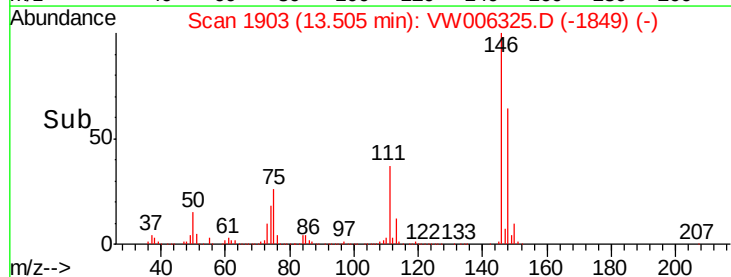
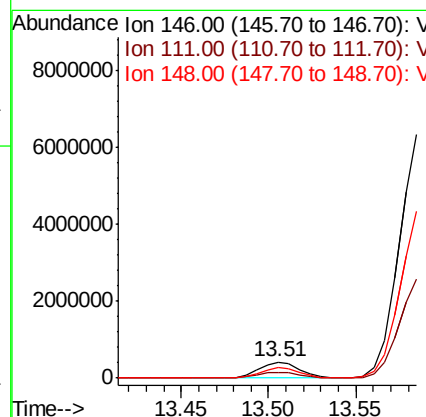
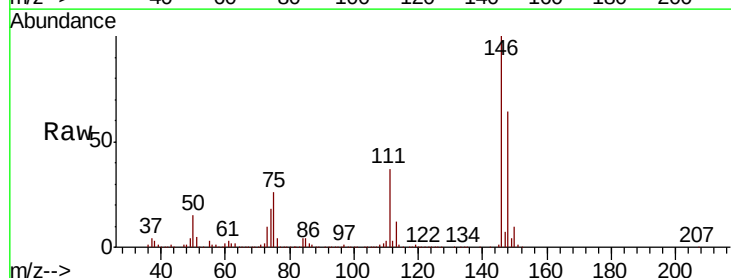
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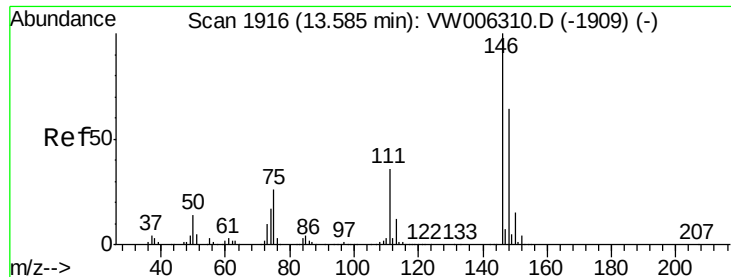
Tgt Ion:106 Resp: 3087
 Ion Ratio Lower Upper
 106 100
 91 180.2 138.4 257.0



#63
 1,3-Dichlorobenzene
 Concen: 130.265 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006325.D
 Acq: 24 Oct 2018 17:43

Tgt Ion:146 Resp: 660048
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.3 48.9
 148 64.3 44.7 82.9

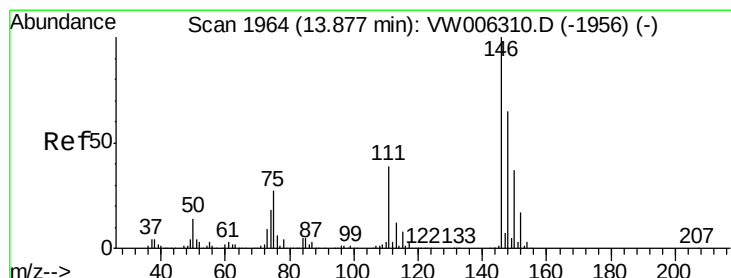
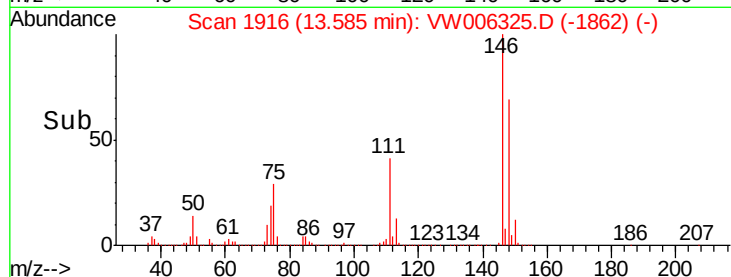
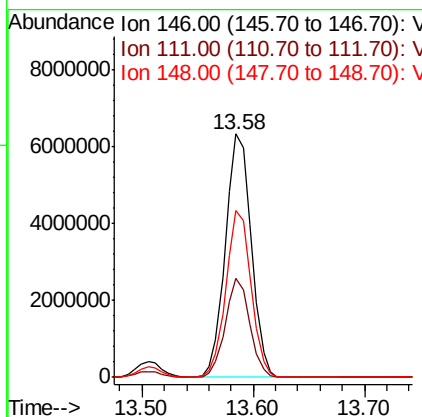
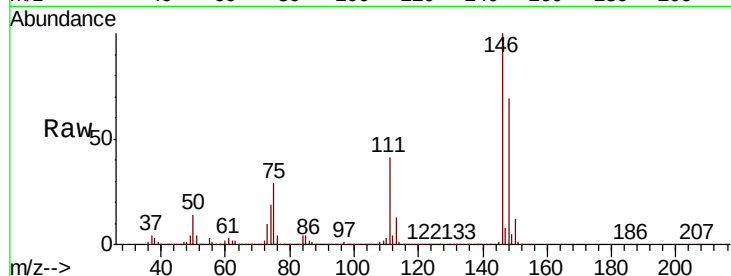




#64
 1,4-Dichlorobenzene
 Concen: 1993.945 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006325.D
 Acq: 24 Oct 2018 17:43

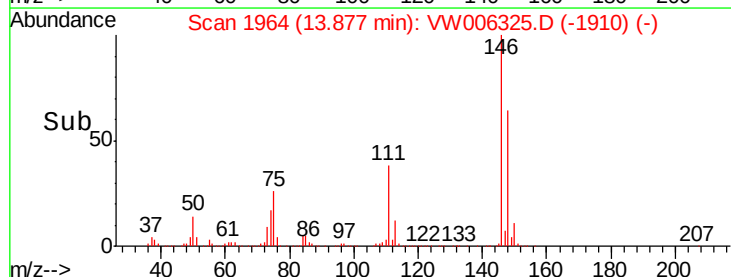
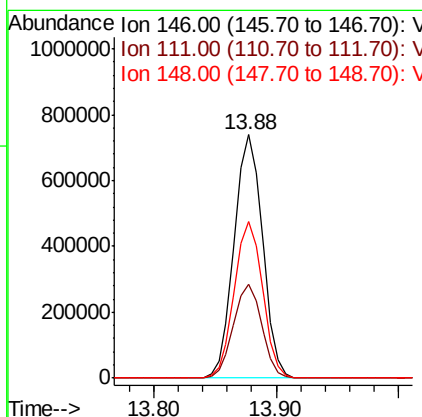
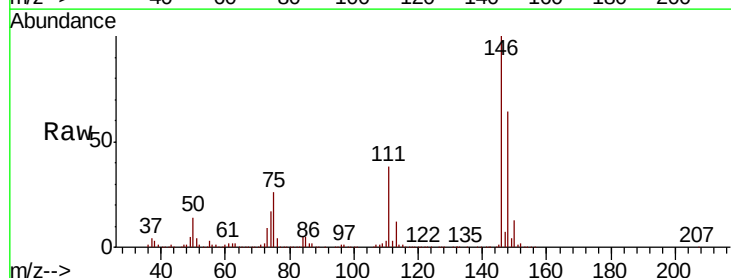
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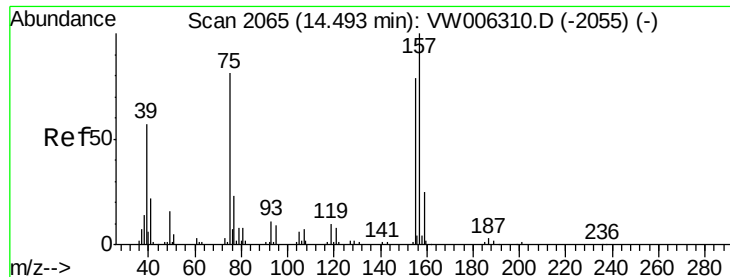
Tgt Ion:146 Resp:10174086
 Ion Ratio Lower Upper
 146 100
 111 40.7 24.7 45.9
 148 68.6 44.9 83.5



#65
 1,2-Dichlorobenzene
 Concen: 254.375 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006325.D
 Acq: 24 Oct 2018 17:43

Tgt Ion:146 Resp: 1185720
 Ion Ratio Lower Upper
 146 100
 111 38.3 31.1 46.7
 148 64.1 51.2 76.8

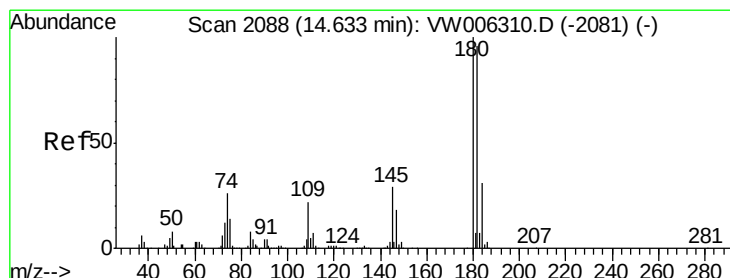
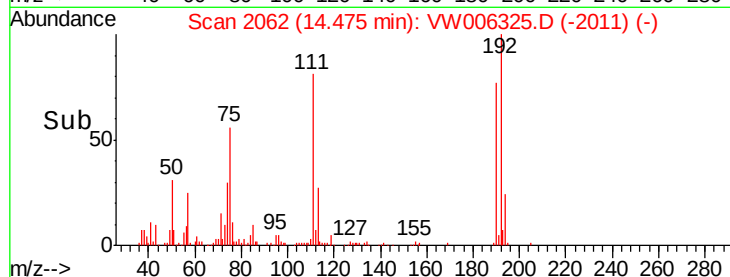
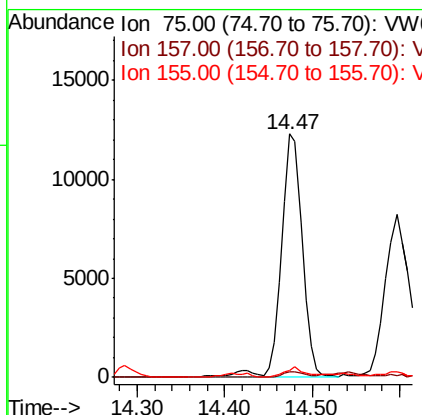
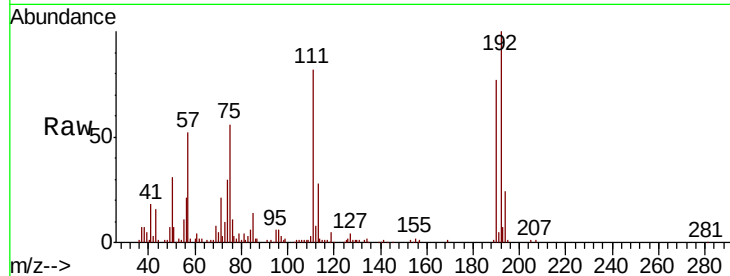




#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.747 ug/L
 RT: 14.47 min Scan# 2062
 Delta R.T. -0.02 min
 Lab File: VW006325.D
 Acq: 24 Oct 2018 17:43

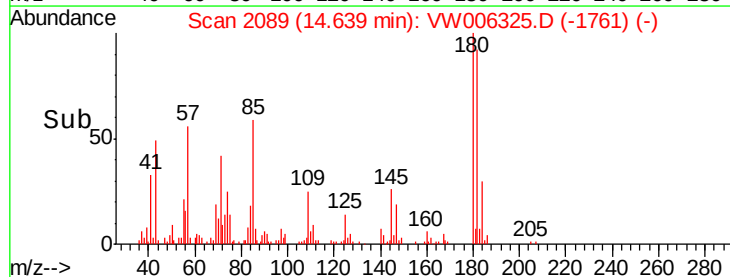
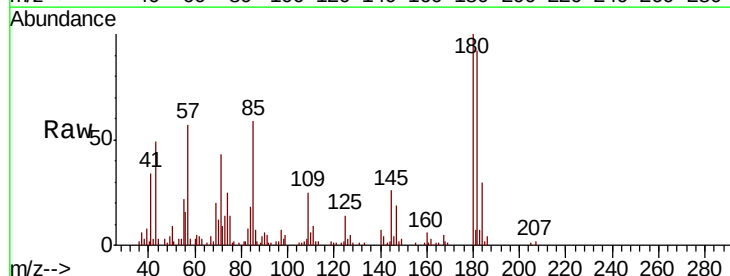
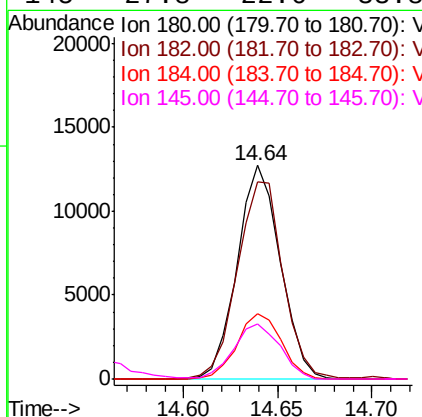
Instrument :
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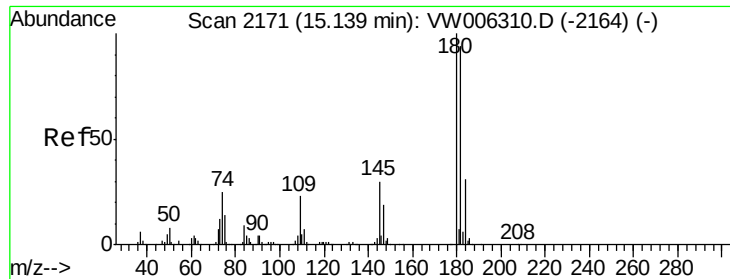
Tgt Ion: 75 Resp: 20541
 Ion Ratio Lower Upper
 75 100
 157 2.5 106.8 160.2#
 155 2.9 79.2 118.8#



#67
 1,3,5-Trichlorobenzene
 Concen: 4.942 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW006325.D
 Acq: 24 Oct 2018 17:43

Tgt Ion: 180 Resp: 20185
 Ion Ratio Lower Upper
 180 100
 182 98.3 76.0 114.0
 184 31.3 24.3 36.5
 145 27.8 22.6 33.8

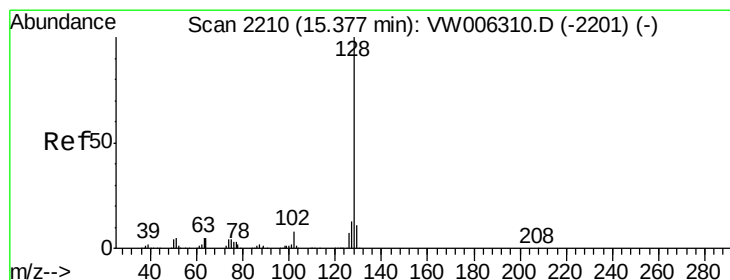
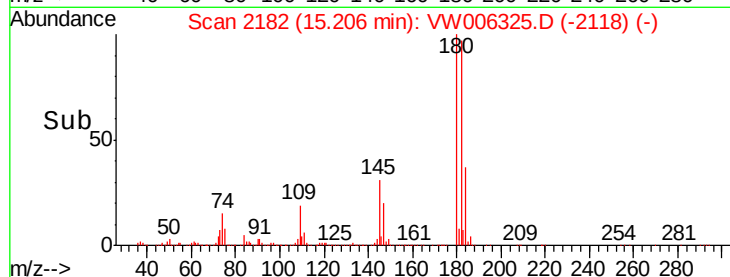
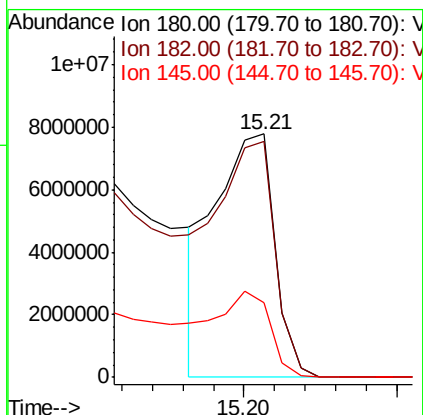
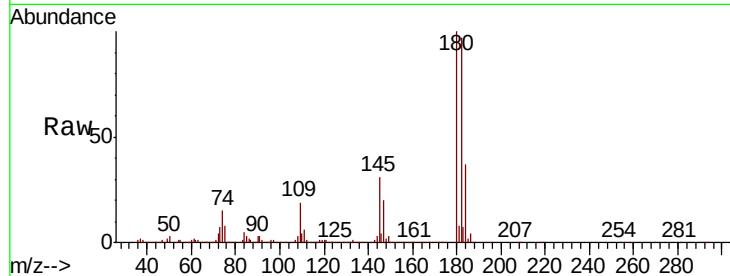




#68
 1,2,4-trichlorobenzene
 Concen: 3038.899 ug/L
 RT: 15.21 min Scan# 2182
 Delta R.T. 0.06 min
 Lab File: VW006325.D
 Acq: 24 Oct 2018 17:43

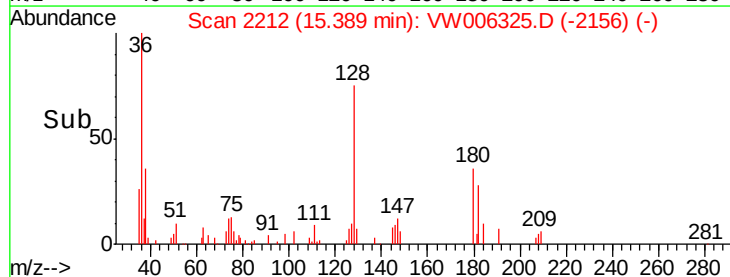
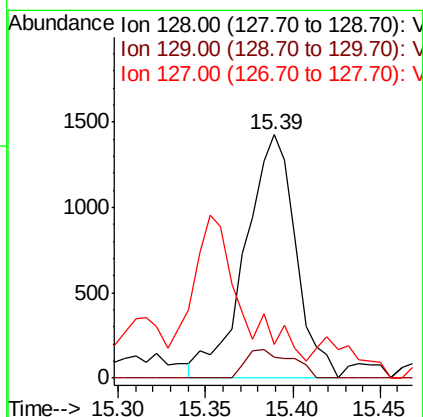
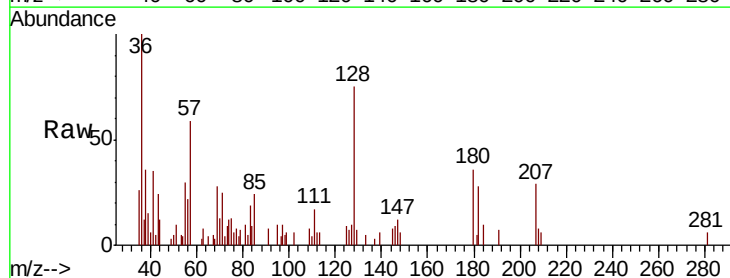
Instrument :
 MSVOA_W
 ClientSampleId :
 A40F9

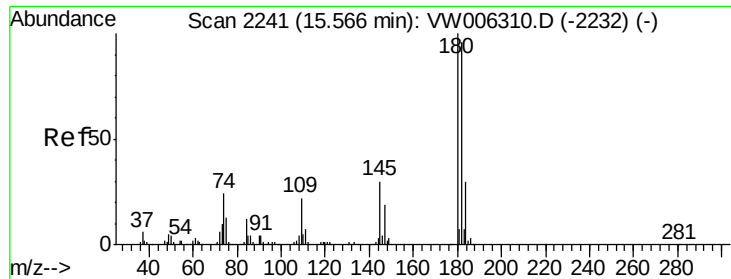
Tgt Ion:180 Resp:10583664
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.2 114.2
 145 26.7 23.0 34.6



#69
 Naphthalene
 Concen: 0.409 ug/L
 RT: 15.39 min Scan# 2212
 Delta R.T. 0.01 min
 Lab File: VW006325.D
 Acq: 24 Oct 2018 17:43

Tgt Ion:128 Resp: 2886
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.9 13.3
 127 38.2 10.5 15.7#





#70
 1,2,3-Trichlorobenzene
 Concen: 4838.572 ug/L
 RT: 15.57 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW006325.D
 Acq: 24 Oct 2018 17:43

Instrument :
 MSVOA_W
 ClientSampleId :
 A40F9

Tgt Ion:180 Resp:15139107
 Ion Ratio Lower Upper
 180 100
 182 96.6 75.5 113.3
 145 40.0 24.5 36.7#

