

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025960.D
 Acq On : 08 Aug 2018 00:31
 Operator : MD/SY
 Sample : J4361-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD0

Quant Time: Aug 08 11:18:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	323141	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	302579	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	148966	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81433	45.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.96%
7) Chloroethane-d5	1.68	69	65941	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.27	63	120193	34.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.32%
21) 2-Butanone-d5	4.18	46	132808	107.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.79%
24) Chloroform-d	4.65	84	171484	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
26) 1,2-Dichloroethane-d4	5.31	65	117156	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
32) Benzene-d6	5.35	84	336492	50.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.90%
36) 1,2-Dichloropropane-d6	6.34	67	106529	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.74%
41) Toluene-d8	7.57	98	307350	47.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.98%
43) trans-1,3-Dichloropropene-	7.85	79	49615	45.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.26%
47) 2-Hexanone-d5	8.31	63	89963	104.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.25%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	147625	51.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	129074	52.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.90%

Target Compounds

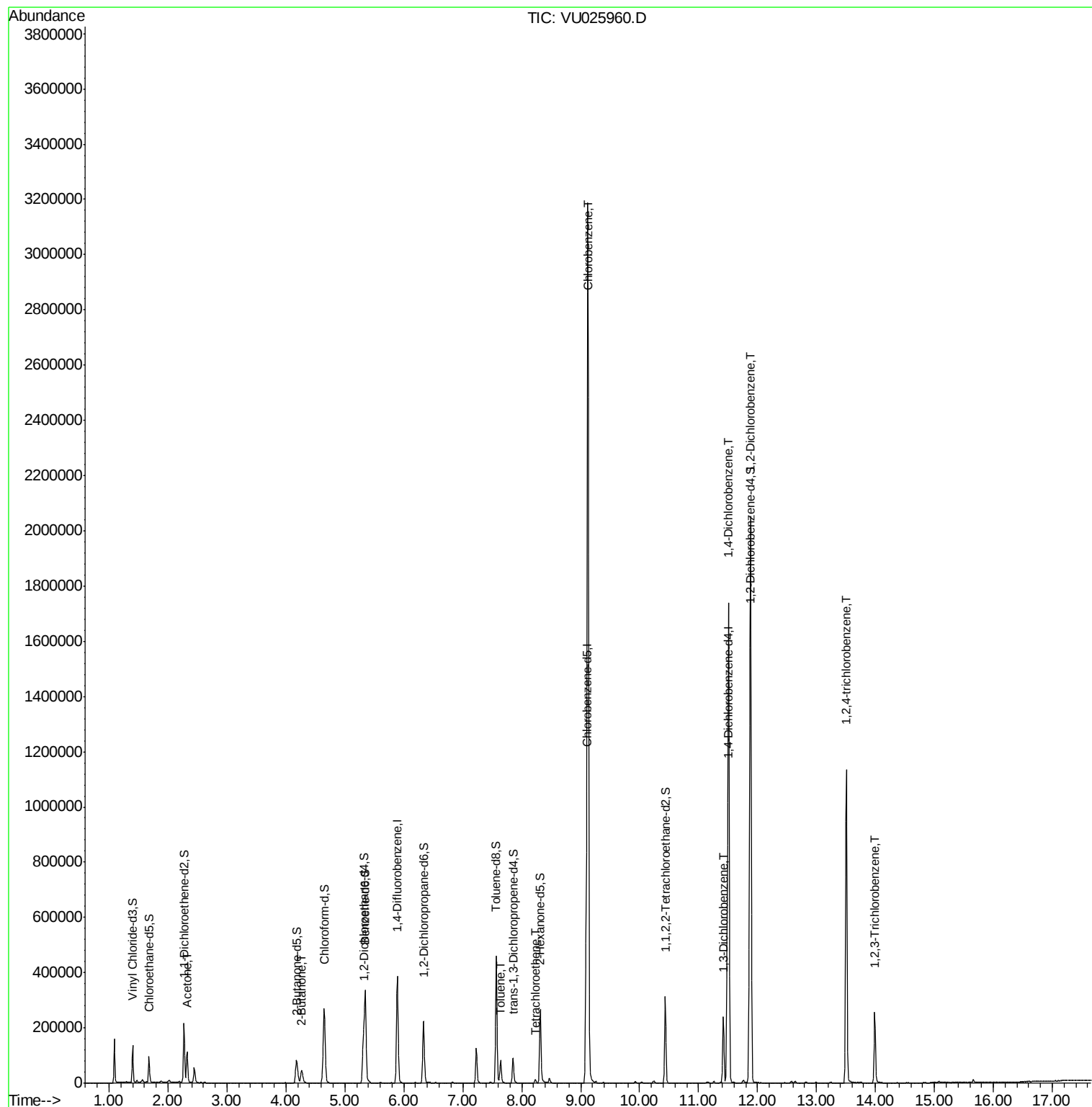
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	111377	76.36	ug/L	100
22) 2-Butanone	4.27	43	71043	38.96	ug/L	99
42) Toluene	7.64	91	59145	6.85	ug/L	100
46) Tetrachloroethene	8.23	164	3082	1.63	ug/L	94
51) Chlorobenzene	9.12	112	1700322	287.69	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	96169	21.58	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	685147	150.89	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	788851	176.52	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	355541	124.74	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	81742	27.99	ug/L	100

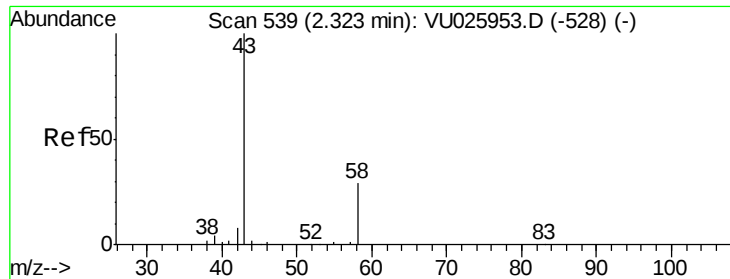
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 76.36 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025960.D

Acq: 08 Aug 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

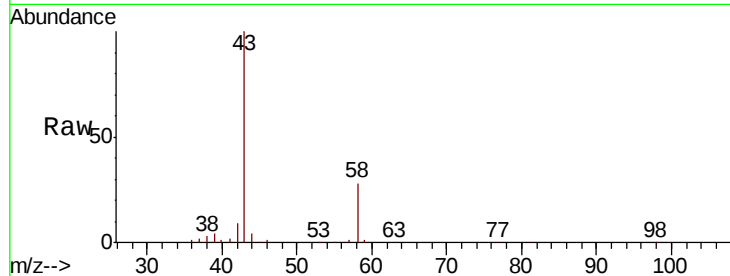
A4ZD0

Tot Ion: 43 Resp: 111377

Ion Ratio Lower Upper

43 100

58 29.9 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU025953.D (-528) (-)

Ion 58.00 (57.70 to 58.70): VU025953.D (-528) (-)

2.32

80000

60000

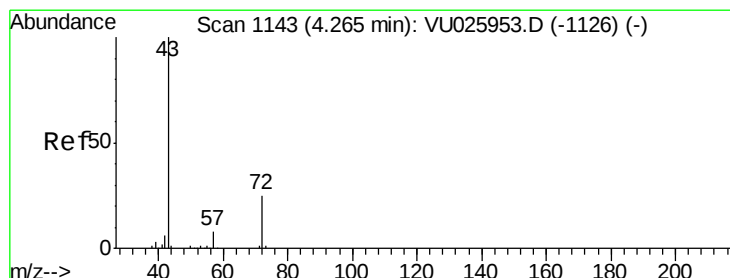
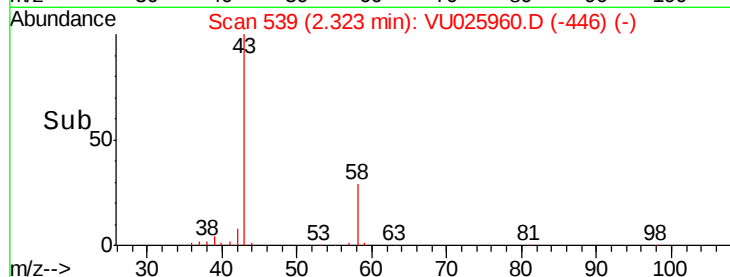
40000

20000

0

2.25 2.30 2.35 2.40

Time-->



#22

2-Butanone

Concen: 38.96 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU025960.D

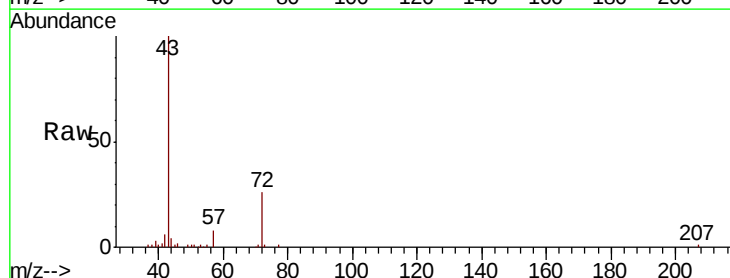
Acq: 08 Aug 2018 00:31

Tgt Ion: 43 Resp: 71043

Ion Ratio Lower Upper

43 100

72 26.3 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU025953.D (-1126) (-)

Ion 72.00 (71.70 to 72.70): VU025953.D (-1126) (-)

4.27

30000

25000

20000

15000

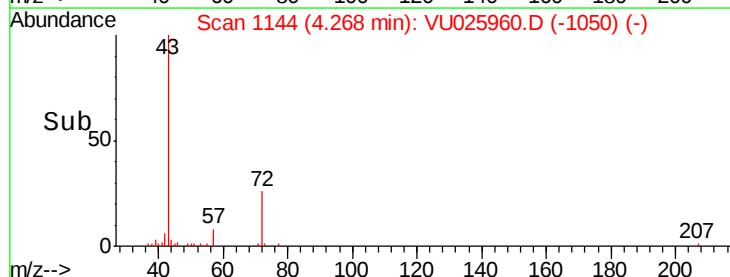
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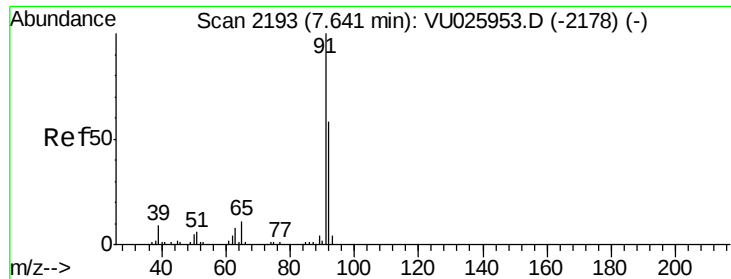
5000

0

4.20 4.30

Time-->





#42

Toluene

Concen: 6.85 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025960.D

Acq: 08 Aug 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

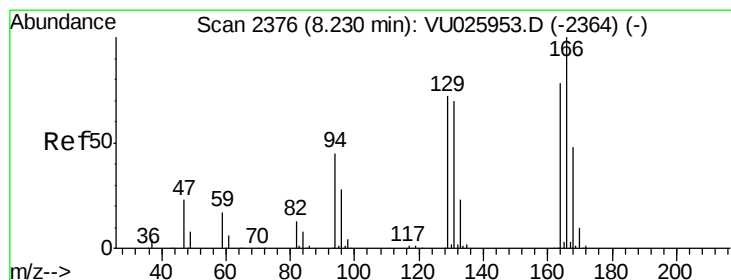
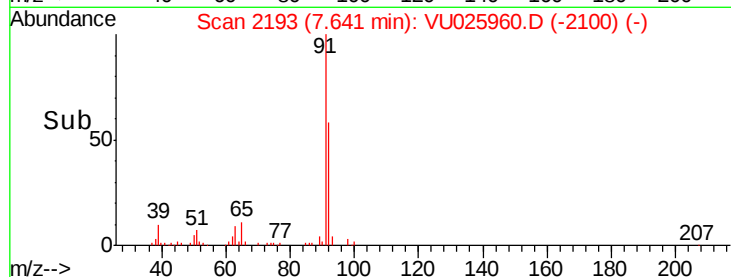
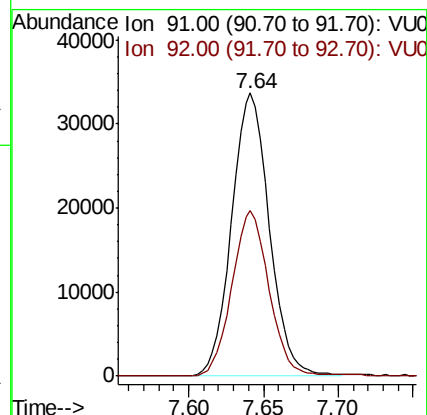
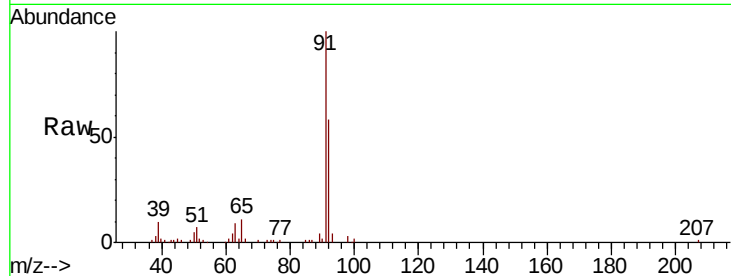
A4ZD0

Tot Ion: 91 Resp: 59145

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#46

Tetrachloroethene

Concen: 1.63 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025960.D

Acq: 08 Aug 2018 00:31

Tgt Ion: 164 Resp: 3082

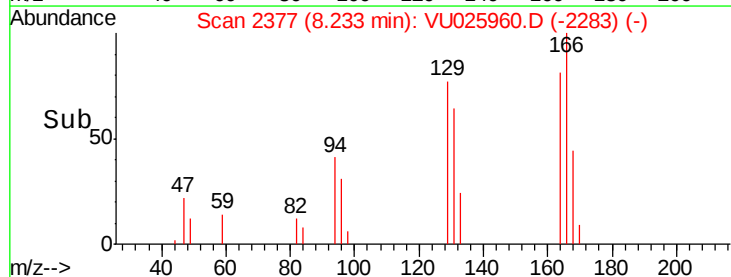
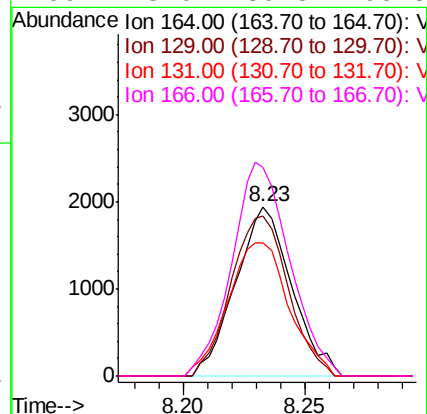
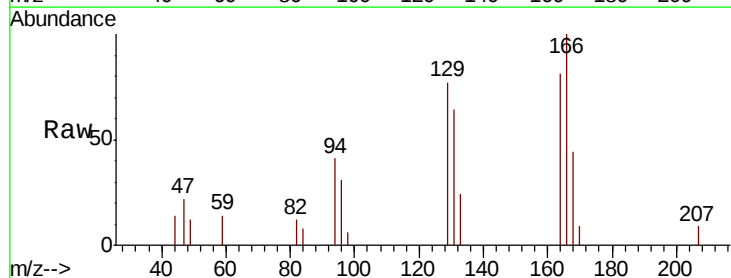
Ion Ratio Lower Upper

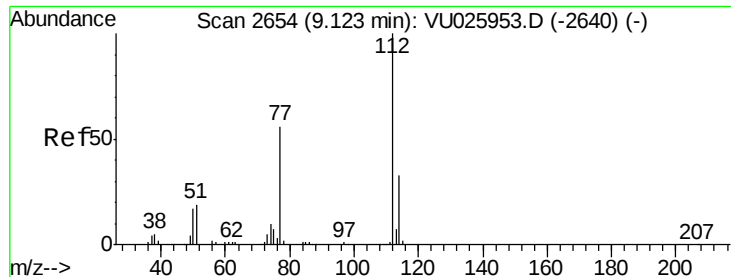
164 100

129 94.4 64.8 120.3

131 78.7 63.1 117.3

166 123.0 89.5 166.3





#51

Chlorobenzene

Concen: 287.69 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025960.D

Acq: 08 Aug 2018 00:31

Instrument :

MSVOA_U

ClientSampleId :

A4ZD0

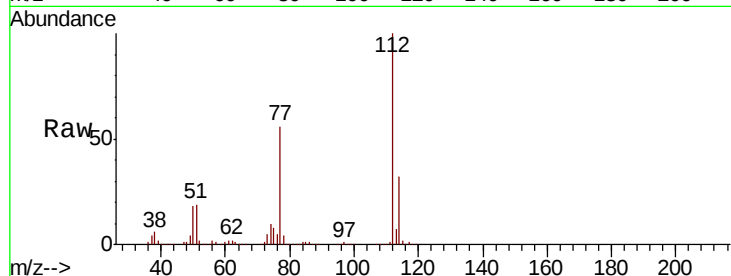
Tot Ion:112 Resp: 1700322

Ion Ratio Lower Upper

112 100

114 32.3 22.9 42.5

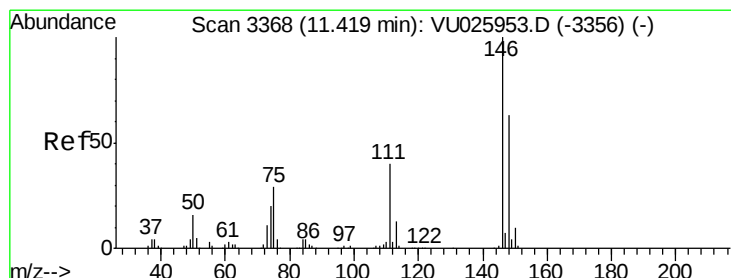
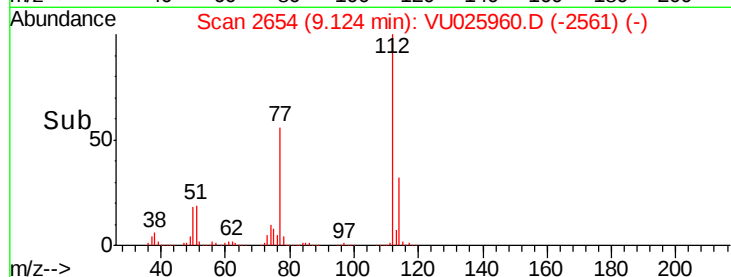
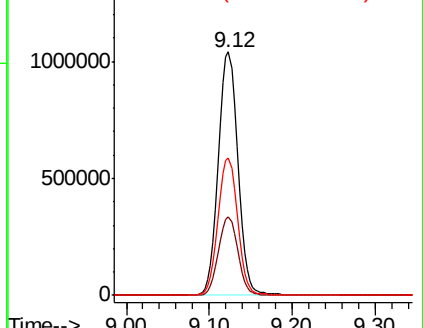
77 56.3 46.6 70.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 21.58 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025960.D

Acq: 08 Aug 2018 00:31

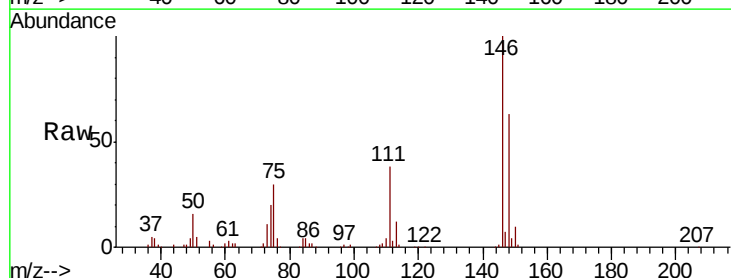
Tgt Ion:146 Resp: 96169

Ion Ratio Lower Upper

146 100

111 38.5 27.5 51.1

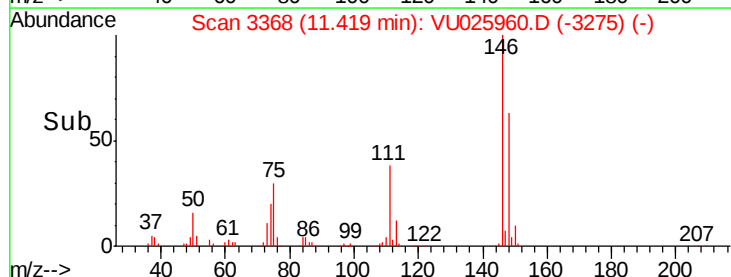
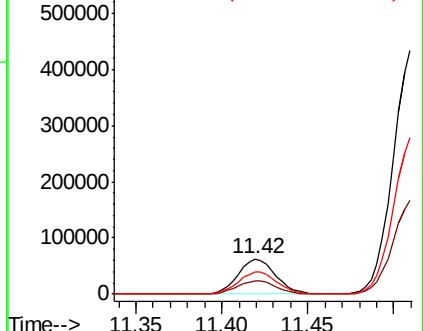
148 63.0 44.6 82.8

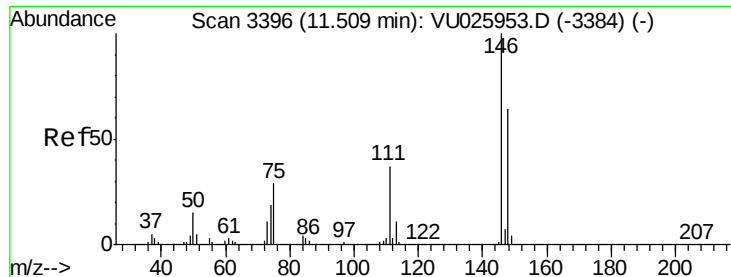


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

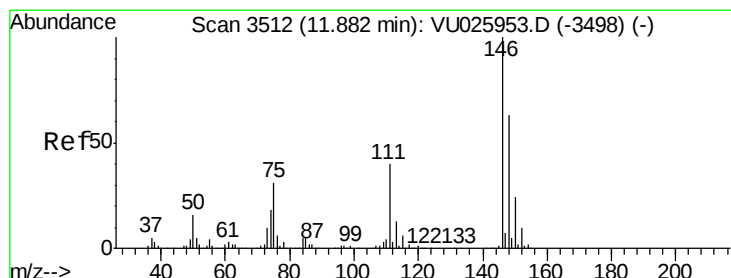
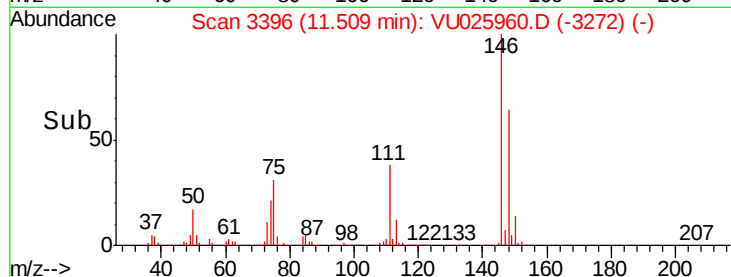
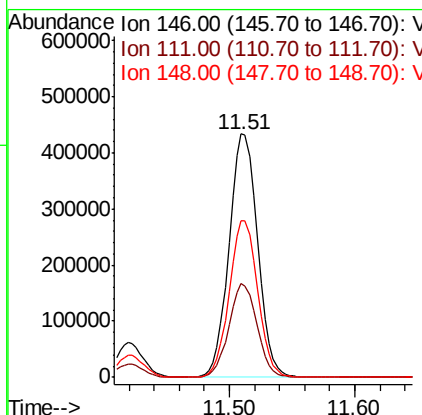
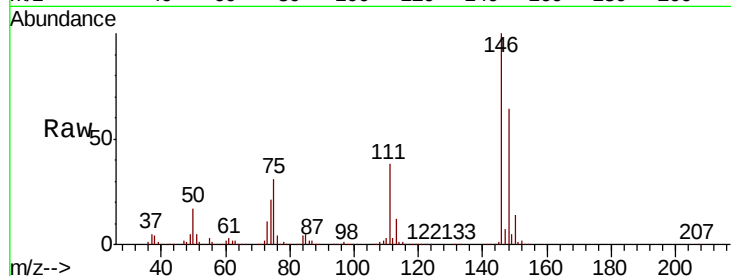




#63
 1,4-Dichlorobenzene
 Concen: 150.89 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

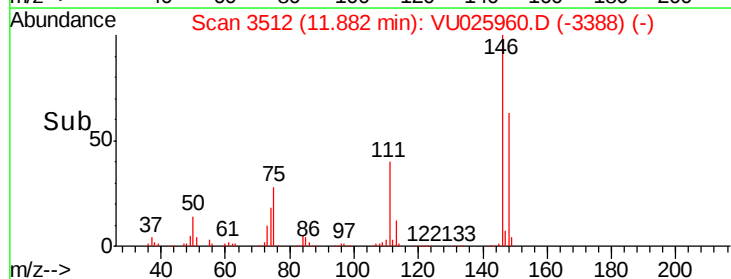
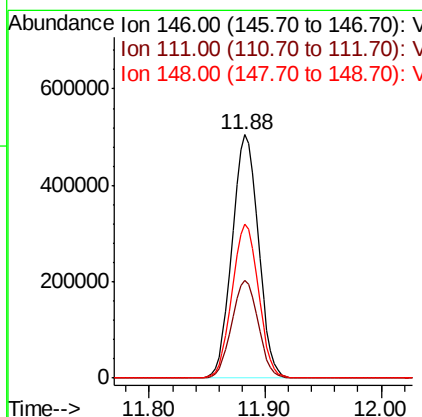
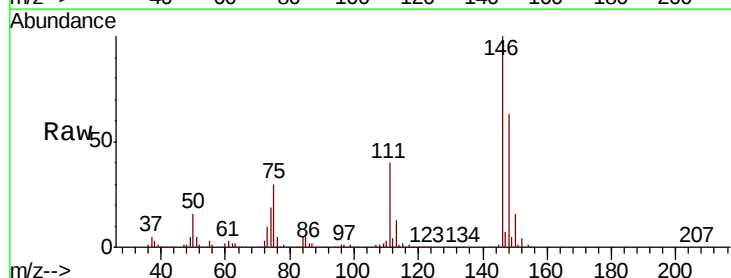
Instrument :
 MSVOA_U
 ClientSampleId :
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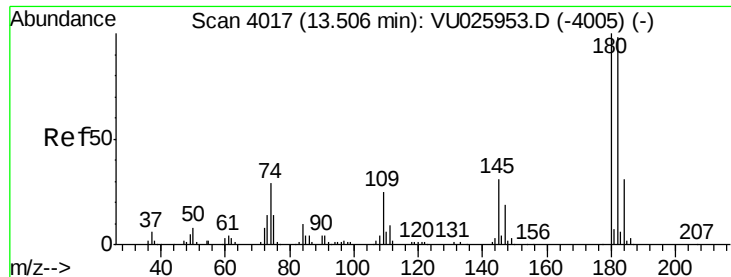
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.7	49.7
148	64.2	45.2	84.0



#65
 1,2-Dichlorobenzene
 Concen: 176.52 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	33.4	50.0
148	63.1	51.8	77.8

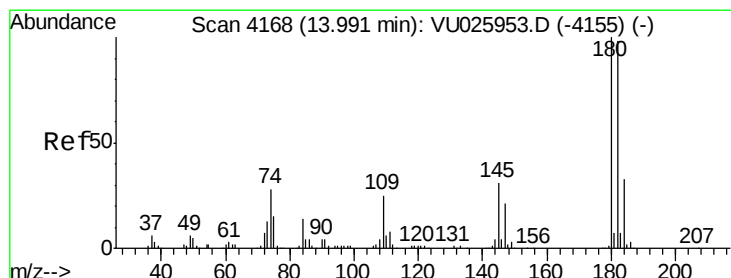
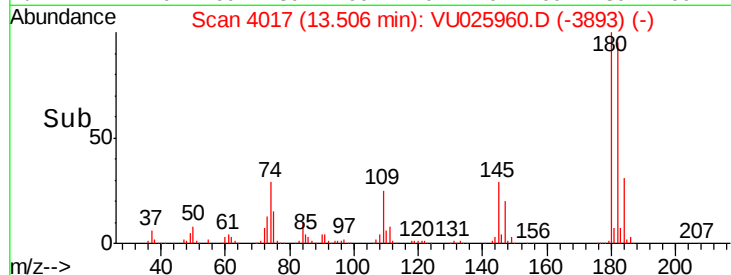
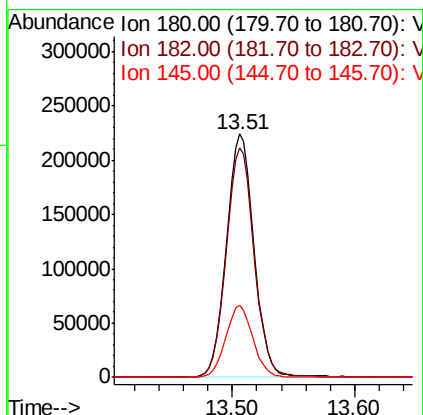
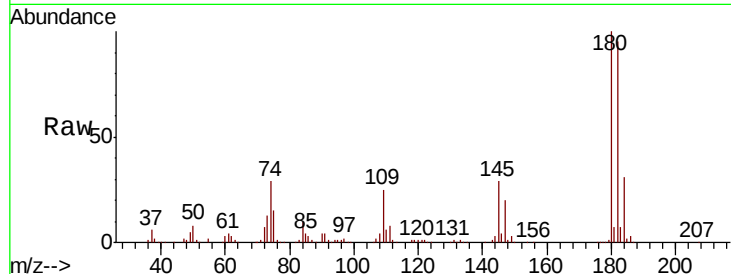




#68
 1,2,4-trichlorobenzene
 Concen: 124.74 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZD0

Tot Ion	180	Resp	355541
Ion Ratio	Lower	Upper	
180	100		
182	95.3	75.3	112.9
145	29.1	23.1	34.7



#70
 1,2,3-Trichlorobenzene
 Concen: 27.99 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025960.D
 Acq: 08 Aug 2018 00:31

Tgt Ion	180	Resp	81742
Ion Ratio	Lower	Upper	
180	100		
182	96.9	77.6	116.4
145	31.8	25.3	37.9

