

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026042.D
 Acq On : 10 Aug 2018 14:42
 Operator : MD/SY
 Sample : J4401-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF3

Quant Time: Aug 11 01:35:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 11 00:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	283164	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	269023	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	122773	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70474	34.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.10%
7) Chloroethane-d5	1.68	69	68206	41.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.12%
11) 1,1-Dichloroethene-d2	2.27	63	113302	28.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.62%#
21) 2-Butanone-d5	4.18	46	174801	101.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.33%
24) Chloroform-d	4.65	84	200056	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
26) 1,2-Dichloroethane-d4	5.31	65	140553	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.82%
32) Benzene-d6	5.35	84	373899	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
36) 1,2-Dichloropropane-d6	6.33	67	129905	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.12%
41) Toluene-d8	7.57	98	337641	42.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.50%
43) trans-1,3-Dichloropropene-	7.85	79	60863	44.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.38%
47) 2-Hexanone-d5	8.31	63	124108	101.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.09%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	192892	48.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	148394	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%

Target Compounds

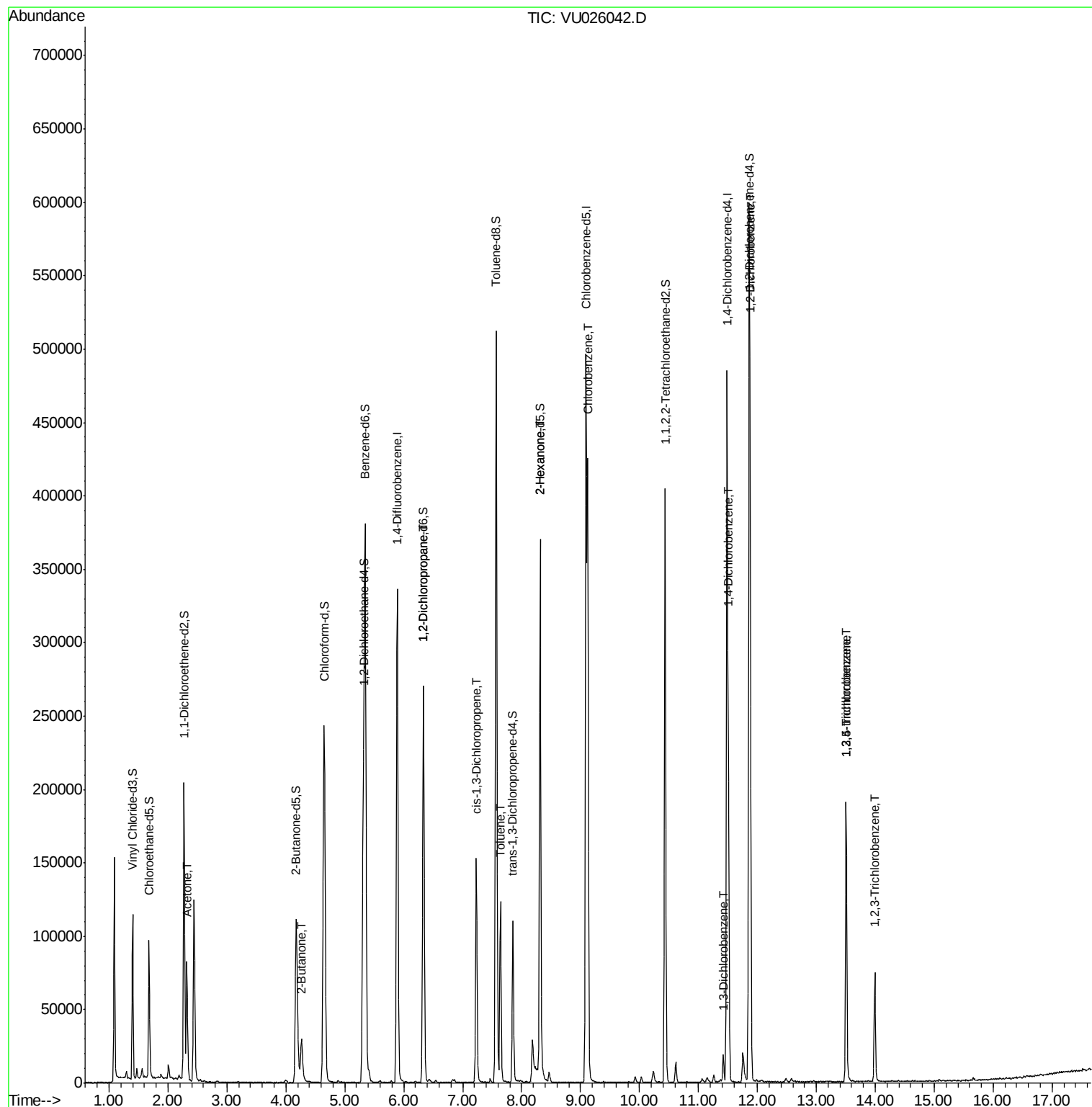
					Ovalue
13) Acetone	2.32	43	81558	76.105	ug/L 100
22) 2-Butanone	4.27	43	45146	29.115	ug/L 97
37) 1,2-Dichloropropane	6.33	63	14495	6.914	ug/L # 88
39) cis-1,3-Dichloropropene	7.23	75	3922	1.234	ug/L # 71
42) Toluene	7.64	91	90229	11.094	ug/L 100
48) 2-Hexanone	8.31	43	15625	6.962	ug/L # 64
51) Chlorobenzene	9.12	112	216415	39.464	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	8310	2.174	ug/L 99
63) 1,4-Dichlorobenzene	11.51	146	65708	16.399	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	86671	21.303	ug/L 98
67) 1,3,5-Trichlorobenzene	13.51	180	61903	21.670	ug/L 98
68) 1,2,4-trichlorobenzene	13.51	180	61903	25.625	ug/L 98
70) 1,2,3-Trichlorobenzene	13.99	180	25352	9.764	ug/L 96

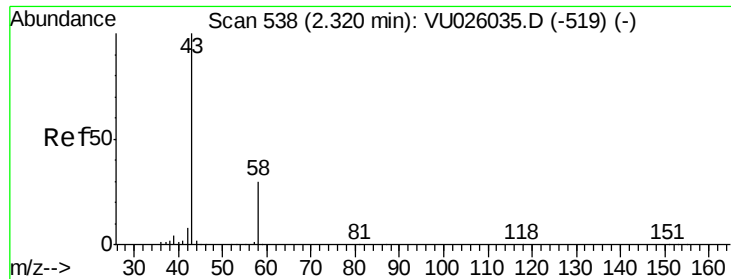
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 76.105 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026042.D

Acq: 10 Aug 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

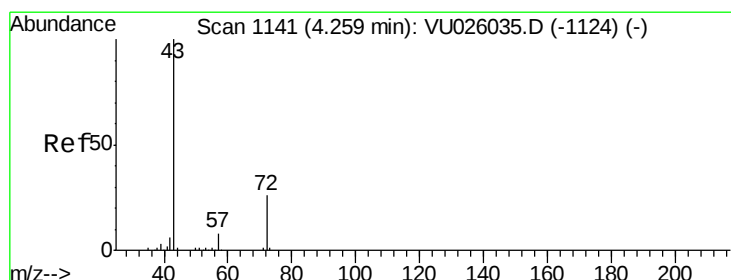
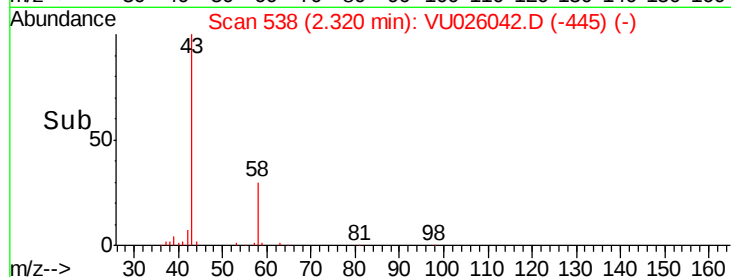
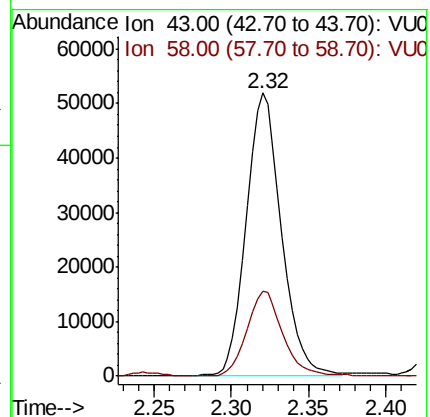
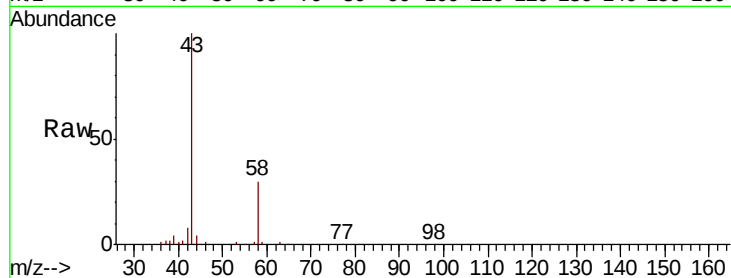
A4ZF3

Tot Ion: 43 Resp: 81558

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.8



#22

2-Butanone

Concen: 29.115 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU026042.D

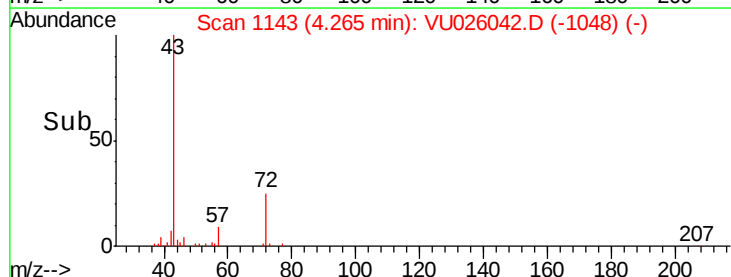
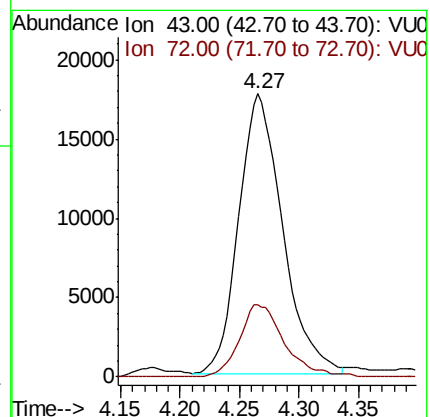
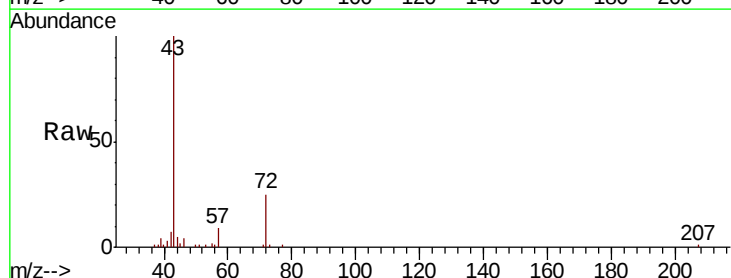
Acq: 10 Aug 2018 14:42

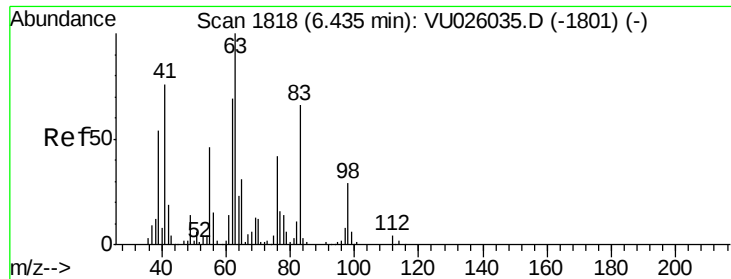
Tgt Ion: 43 Resp: 45146

Ion Ratio Lower Upper

43 100

72 25.4 13.5 40.5

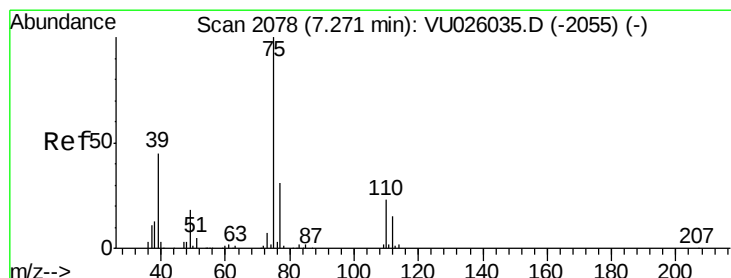
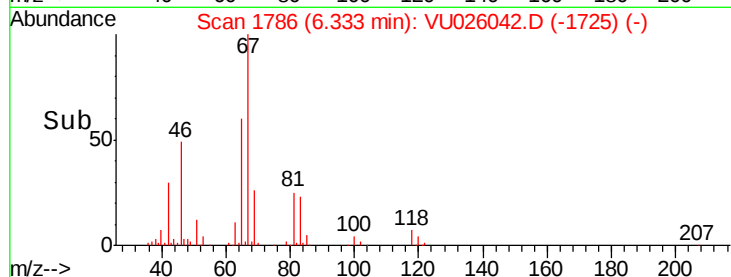
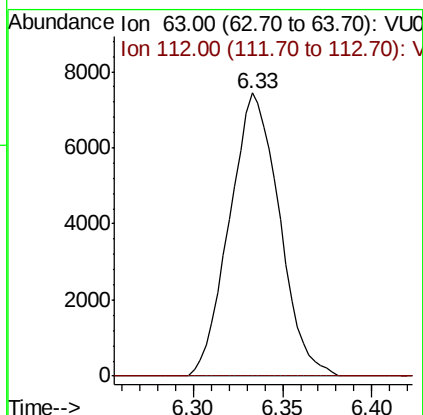
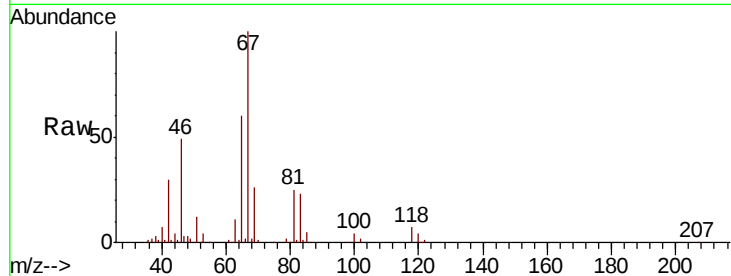




#37
 1,2-Dichloropropane
 Concen: 6.914 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026042.D
 Acq: 10 Aug 2018 14:42

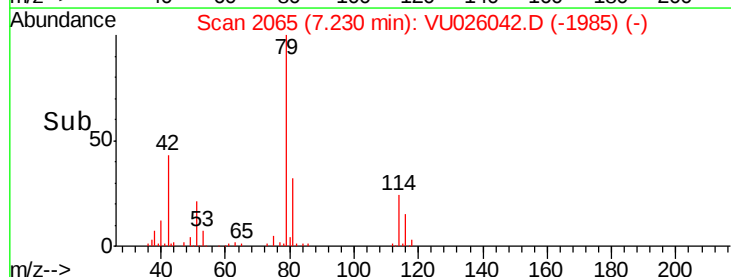
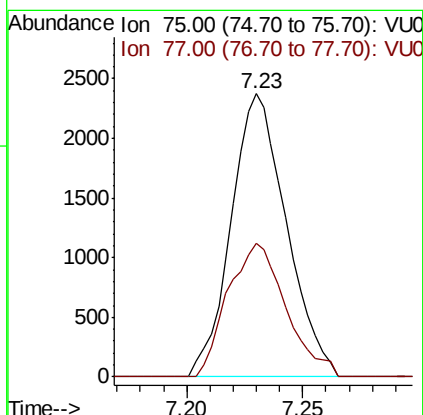
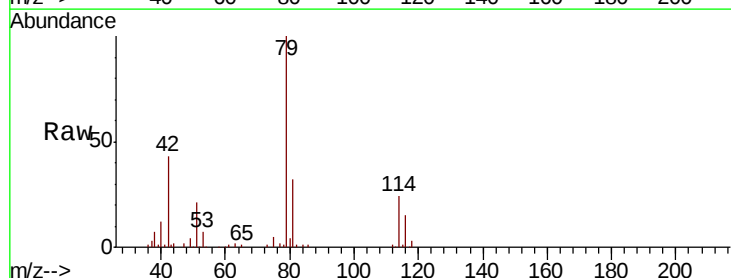
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF3

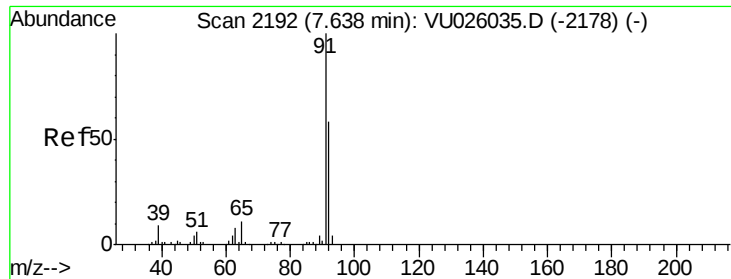
Tot Ion: 63 Resp: 14495
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.234 ug/L
 RT: 7.23 min Scan# 2065
 Delta R.T. -0.04 min
 Lab File: VU026042.D
 Acq: 10 Aug 2018 14:42

Tgt Ion: 75 Resp: 3922
 Ion Ratio Lower Upper
 75 100
 77 47.4 22.1 41.1#





#42

Toluene

Concen: 11.094 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026042.D

Acq: 10 Aug 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

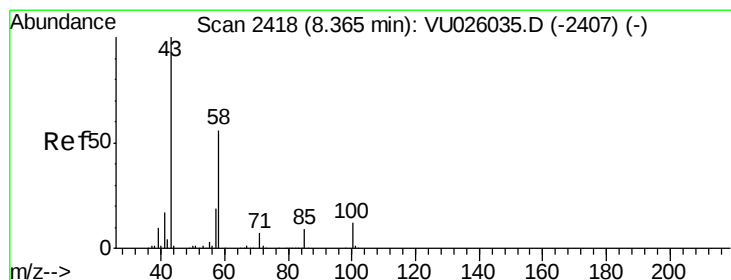
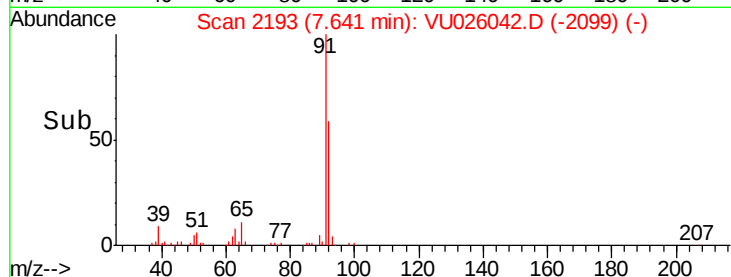
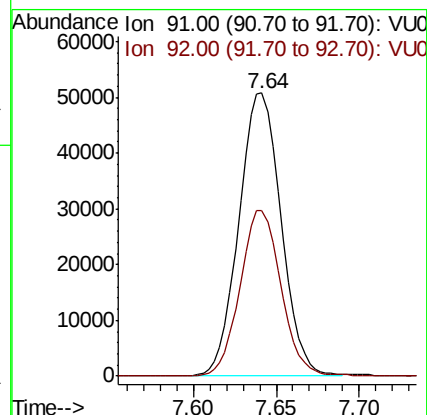
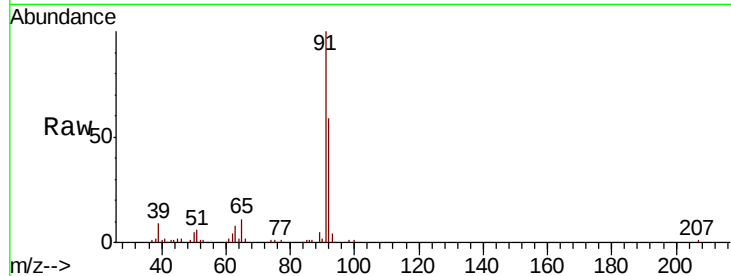
A4ZF3

Tot Ion: 91 Resp: 90229

Ion Ratio Lower Upper

91 100

92 58.5 41.0 76.2



#48

2-Hexanone

Concen: 6.962 ug/L

RT: 8.31 min Scan# 2402

Delta R.T. -0.05 min

Lab File: VU026042.D

Acq: 10 Aug 2018 14:42

Tgt Ion: 43 Resp: 15625

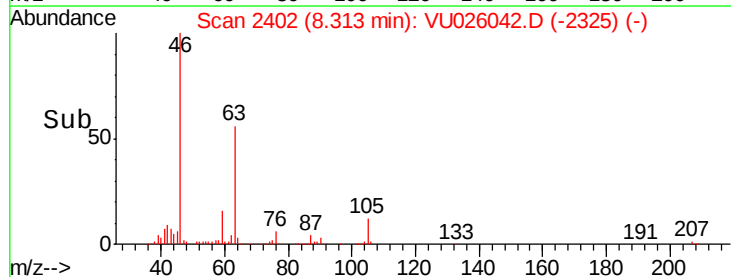
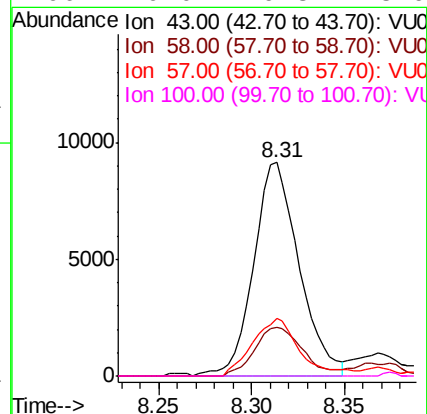
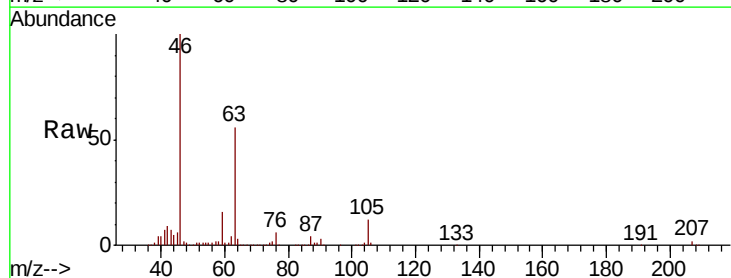
Ion Ratio Lower Upper

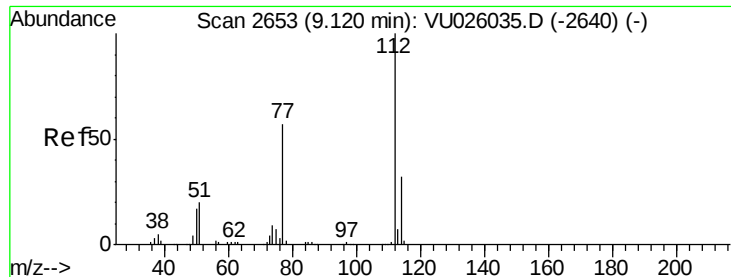
43 100

58 23.7 43.6 65.4#

57 27.9 15.1 22.7#

100 0.0 9.3 13.9#





#51

Chlorobenzene

Concen: 39.464 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026042.D

Acq: 10 Aug 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

A4ZF3

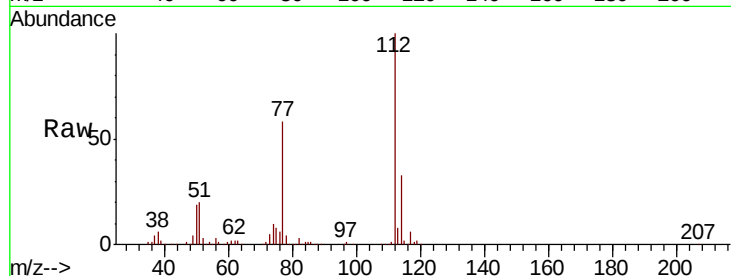
Tot Ion:112 Resp: 216415

Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.3

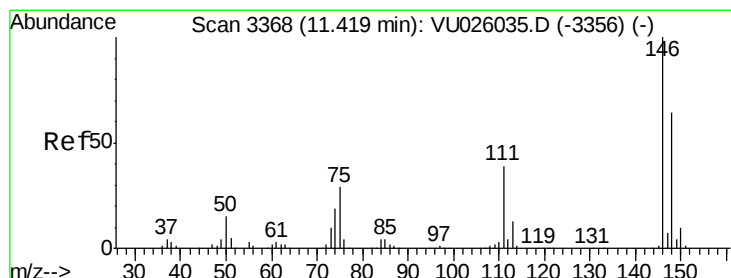
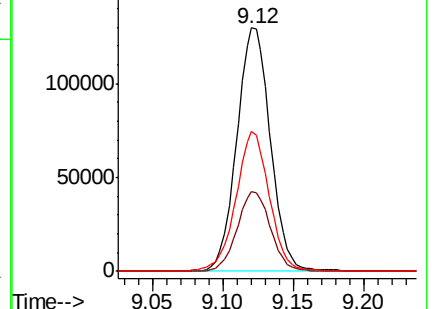
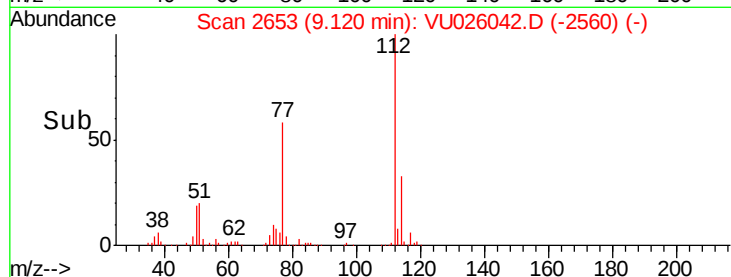
77 57.7 45.2 67.8



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): VU0



#62

1,3-Dichlorobenzene

Concen: 2.174 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026042.D

Acq: 10 Aug 2018 14:42

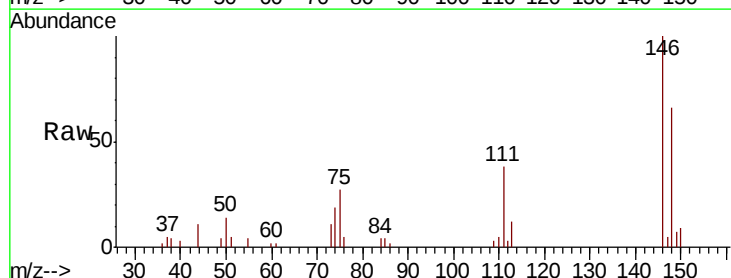
Tgt Ion:146 Resp: 8310

Ion Ratio Lower Upper

146 100

111 38.2 27.9 51.9

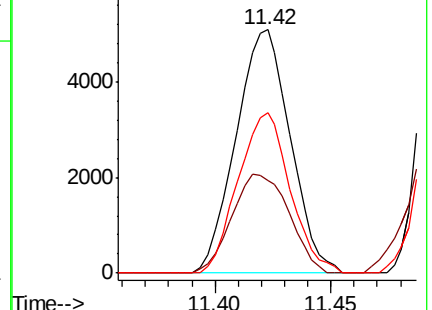
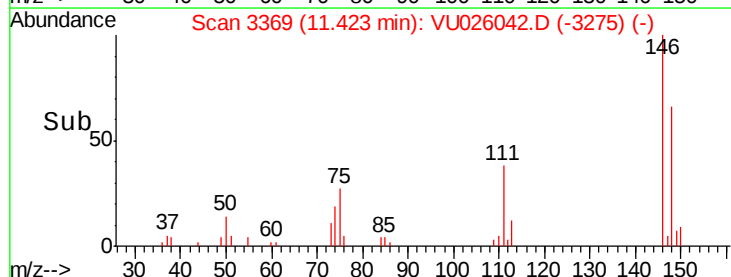
148 66.0 46.0 85.4

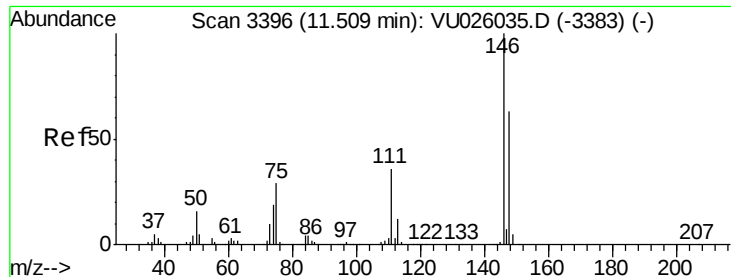


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

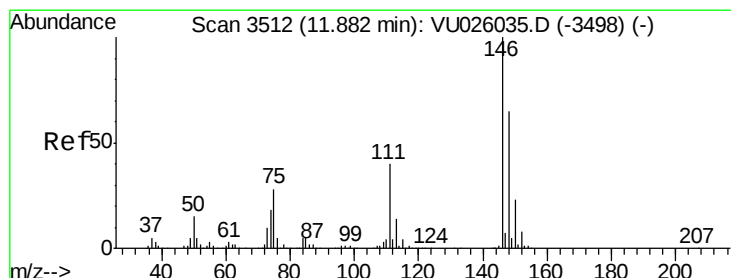
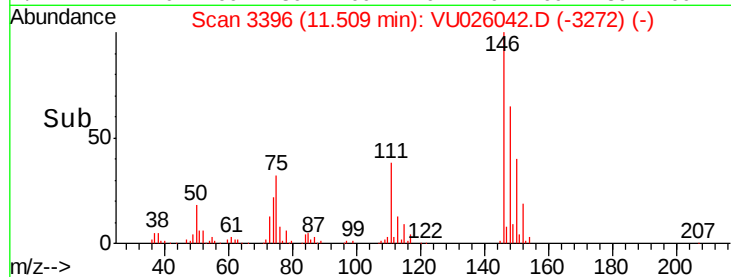
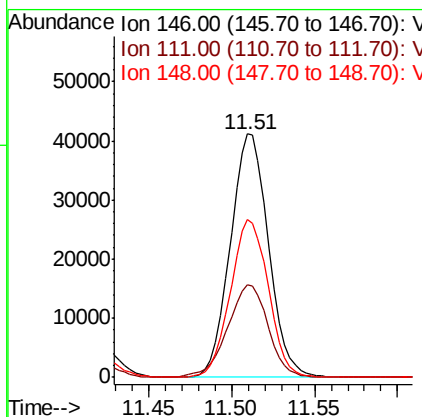
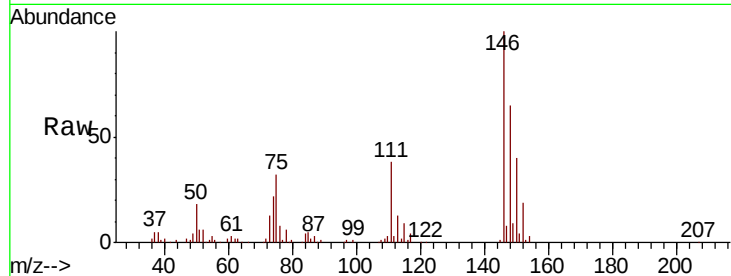




#63
 1,4-Dichlorobenzene
 Concen: 16.399 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026042.D
 Acq: 10 Aug 2018 14:42

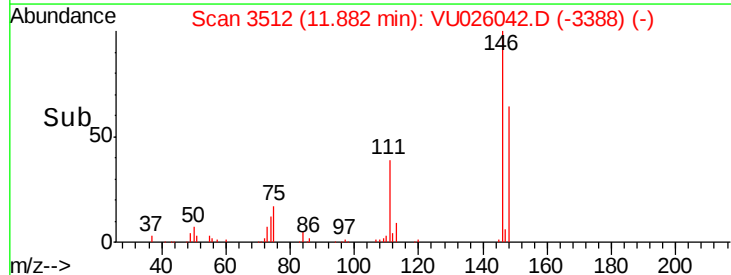
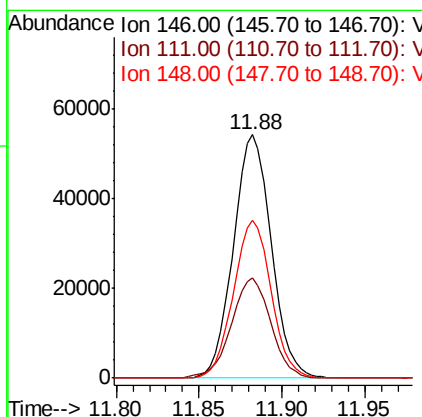
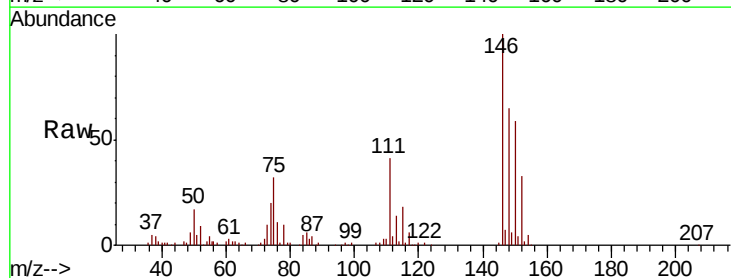
Instrument :
 MSVOA_U
 ClientSampled :
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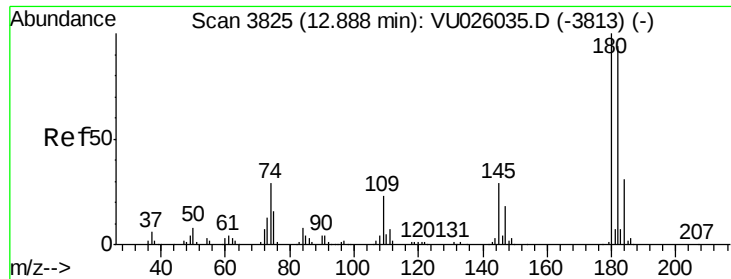
Tot Ion:146 Resp: 65708
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.4 49.0
 148 65.0 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 21.303 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026042.D
 Acq: 10 Aug 2018 14:42

Tgt Ion:146 Resp: 86671
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.4 48.6
 148 64.8 50.1 75.1

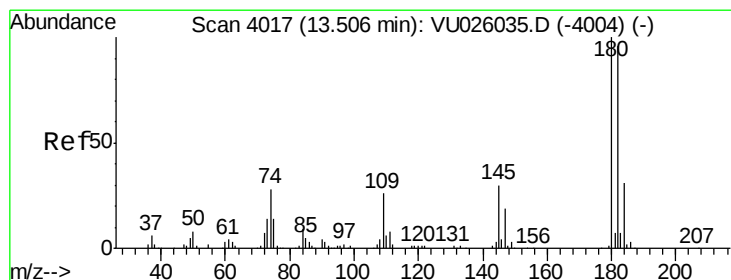
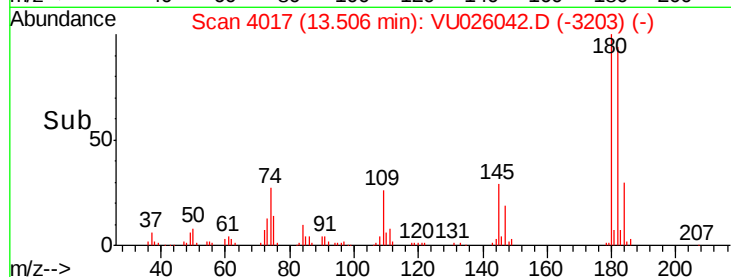
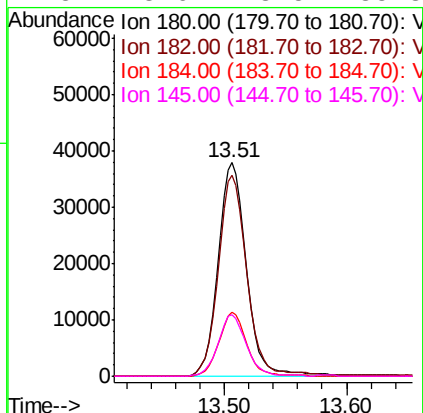
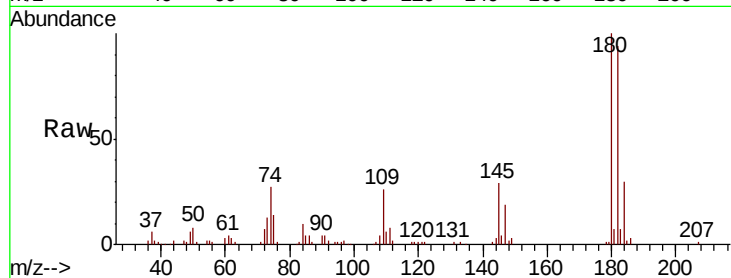




#67
 1,3,5-Trichlorobenzene
 Concen: 21.670 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026042.D
 Acq: 10 Aug 2018 14:42

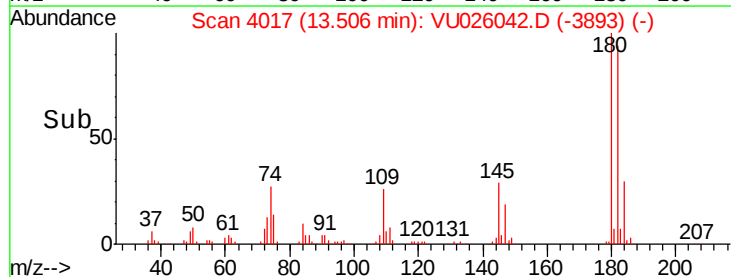
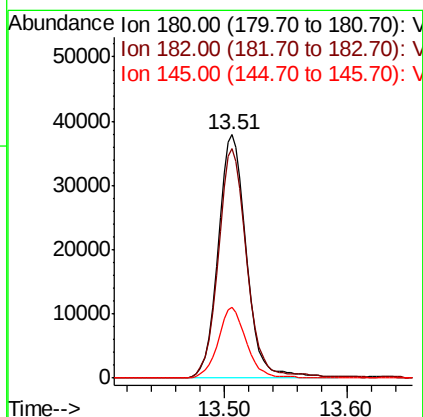
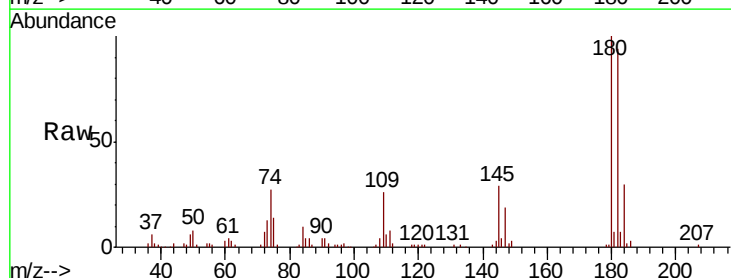
Instrument :
 MSVOA_U
 ClientSampleId :
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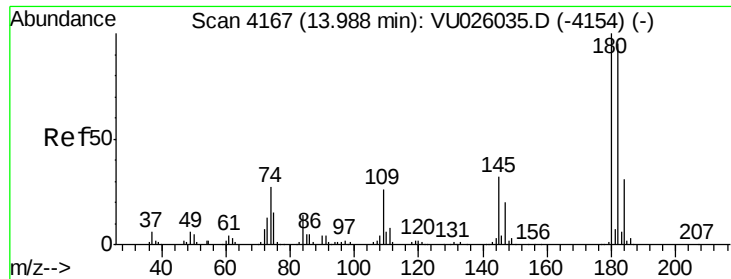
Tot Ion:180	Resp:	61903
Ion	Ratio	Lower Upper
180	100	
182	93.7	76.5 114.7
184	29.1	24.3 36.5
145	28.6	23.5 35.3



#68
 1,2,4-trichlorobenzene
 Concen: 25.625 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026042.D
 Acq: 10 Aug 2018 14:42

Tgt Ion:180	Resp:	61903
Ion	Ratio	Lower Upper
180	100	
182	93.7	76.5 114.7
145	28.6	24.2 36.4





#70
 1,2,3-Trichlorobenzene
 Concen: 9.764 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026042.D
 Acq: 10 Aug 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF3

Tot Ion:180 Resp: 25352
 Ion Ratio Lower Upper
 180 100
 182 90.9 76.5 114.7
 145 30.1 24.7 37.1

