

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026044.D
 Acq On : 10 Aug 2018 15:31
 Operator : MD/SY
 Sample : J4401-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZG1

Quant Time: Aug 11 01:35:37 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	281439	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	267707	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	129709	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69595	33.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.66%
7) Chloroethane-d5	1.68	69	67137	41.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.32%
11) 1,1-Dichloroethene-d2	2.27	63	113613	29.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.12%#
21) 2-Butanone-d5	4.18	46	172455	100.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.58%
24) Chloroform-d	4.65	84	199611	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.31	65	142026	48.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.40%
32) Benzene-d6	5.35	84	376995	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.70%
36) 1,2-Dichloropropane-d6	6.33	67	129740	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.46%
41) Toluene-d8	7.57	98	337582	42.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.90%
43) trans-1,3-Dichloropropene-	7.85	79	60781	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
47) 2-Hexanone-d5	8.31	63	122952	100.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.64%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	192702	48.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	153651	48.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.10%

Target Compounds

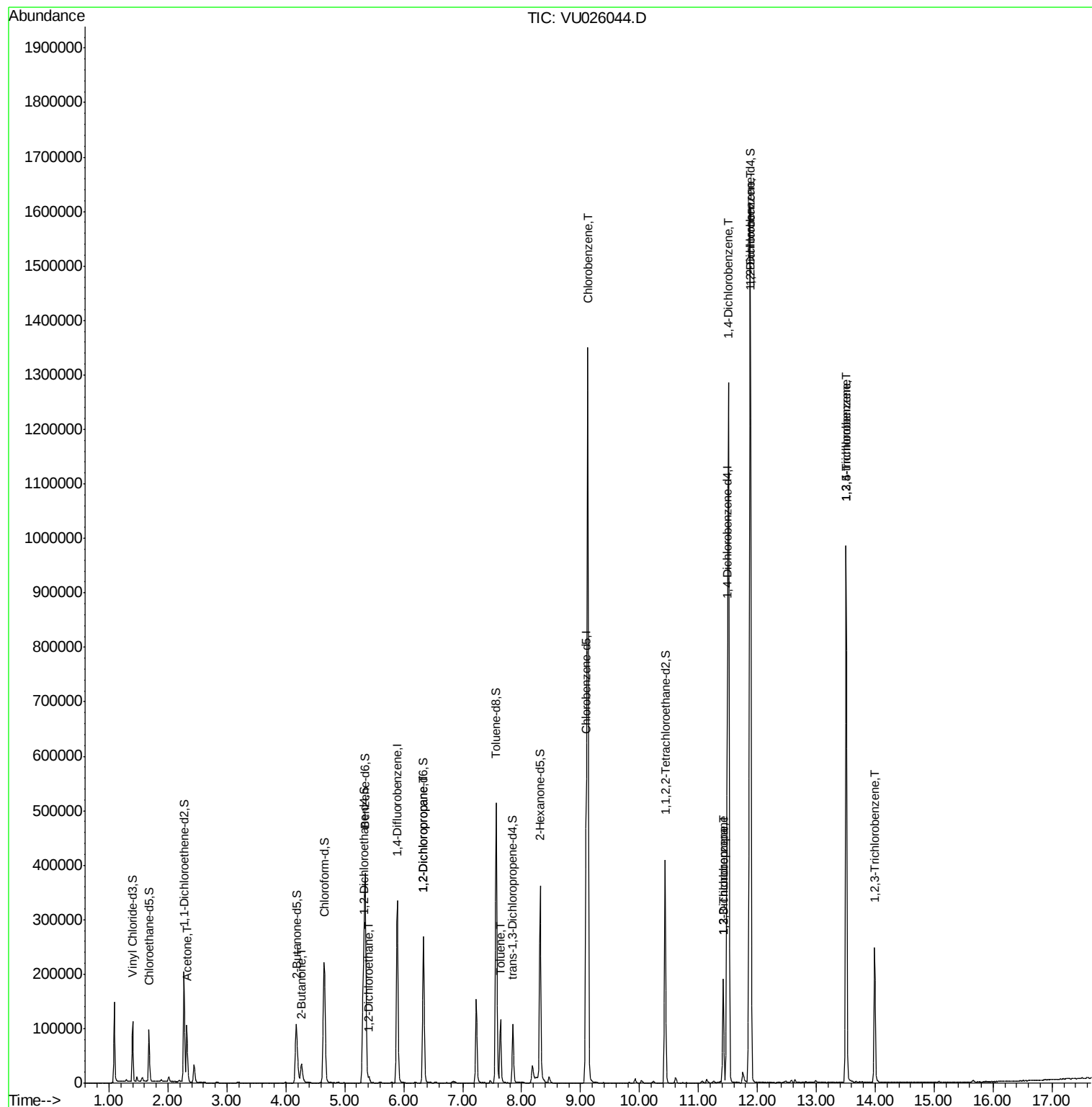
					Ovalue
13) Acetone	2.32	43	106122	99.634	ug/L 99
22) 2-Butanone	4.27	43	52105	33.809	ug/L 100
27) 1,2-Dichloroethane	5.41	62	7499	2.483	ug/L 99
37) 1,2-Dichloropropane	6.33	63	14271	6.840	ug/L # 88
42) Toluene	7.64	91	83660	10.337	ug/L 99
51) Chlorobenzene	9.12	112	708028	129.748	ug/L 99
59) 1,2,3-Trichloropropane	11.42	75	23083	8.579	ug/L # 44
62) 1,3-Dichlorobenzene	11.42	146	75989	18.818	ug/L 97
63) 1,4-Dichlorobenzene	11.51	146	496057	117.185	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	594217	138.247	ug/L 98
67) 1,3,5-Trichlorobenzene	13.51	180	302578	100.258	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	302578	118.558	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	78738	28.704	ug/L 99

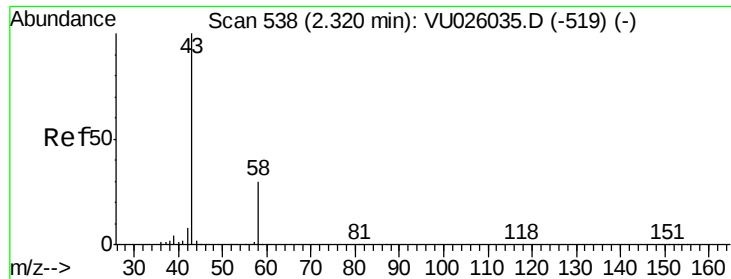
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 11 01:35:37 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





#13

Acetone

Concen: 99.634 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026044.D

Acq: 10 Aug 2018 15:31

Instrument :

MSVOA_U

ClientSampleId :

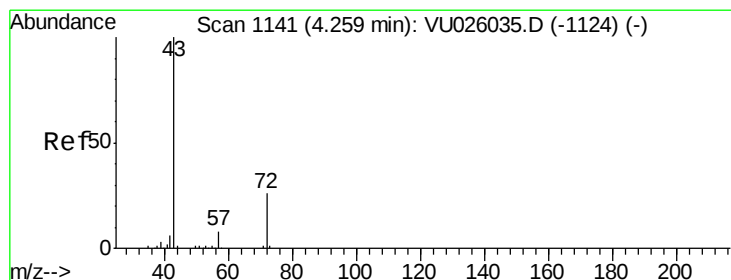
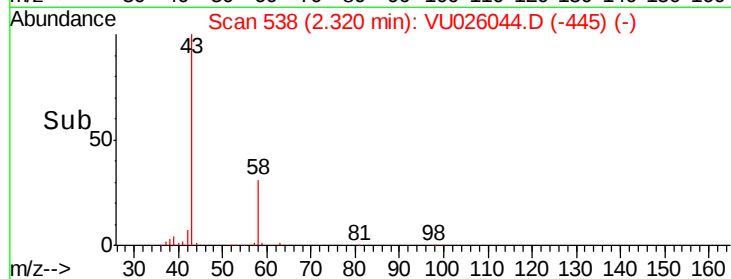
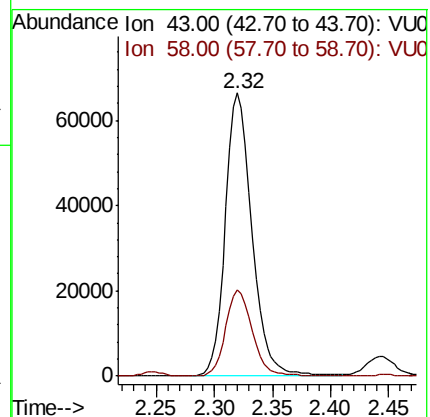
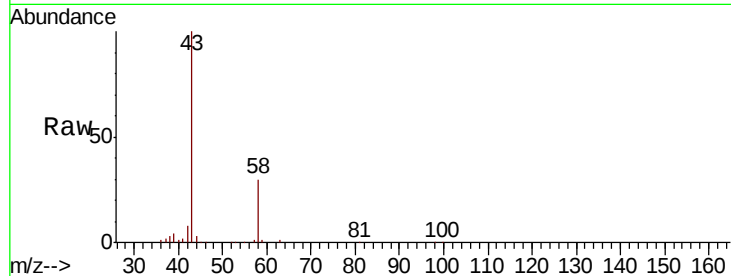
A4ZG1

Tot Ion: 43 Resp: 106122

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.8



#22

2-Butanone

Concen: 33.809 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU026044.D

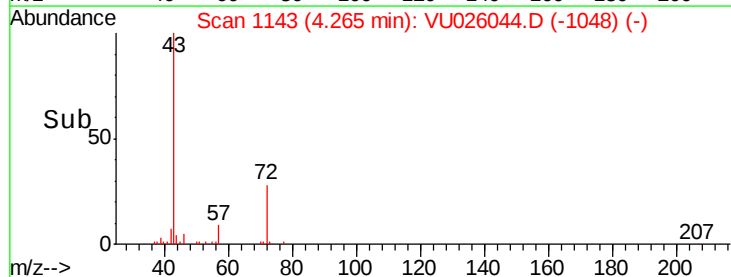
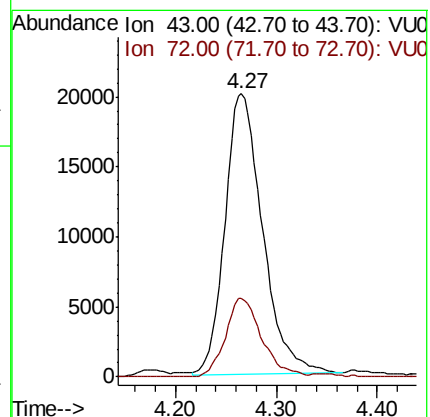
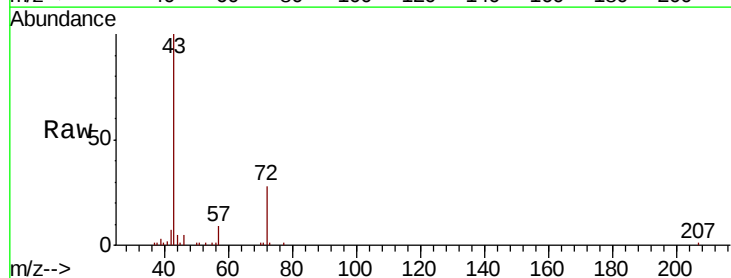
Acq: 10 Aug 2018 15:31

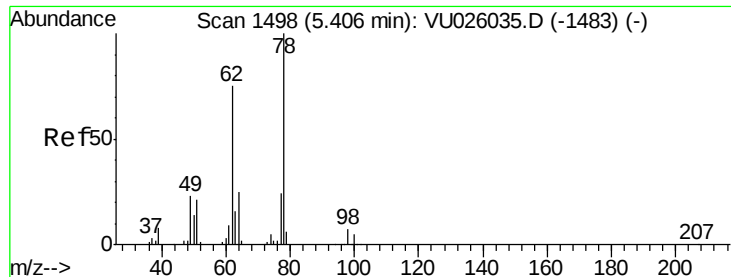
Tgt Ion: 43 Resp: 52105

Ion Ratio Lower Upper

43 100

72 27.0 13.5 40.5





#27

1,2-Dichloroethane

Concen: 2.483 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026044.D

Acq: 10 Aug 2018 15:31

Instrument :

MSVOA_U

ClientSampleId :

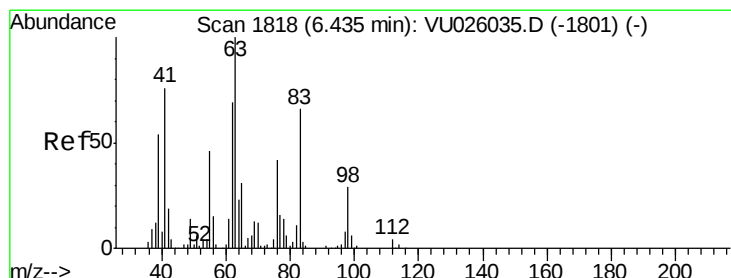
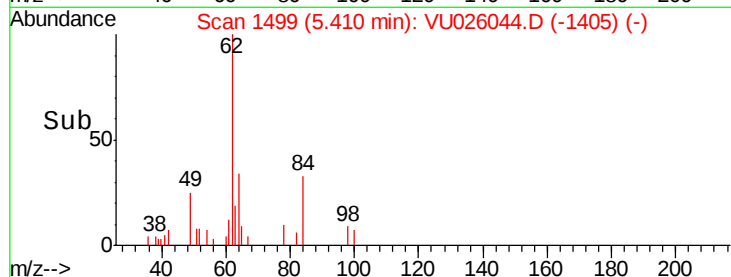
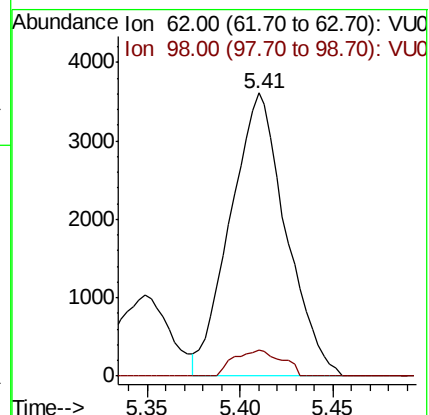
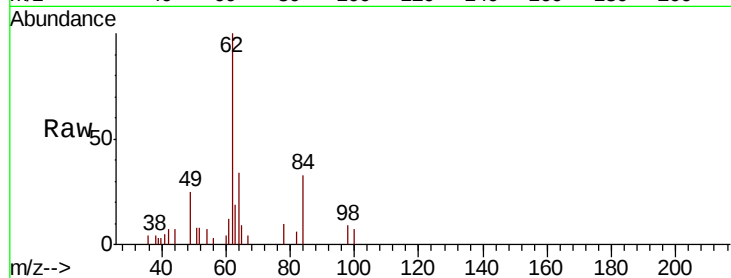
A4ZG1

Tot Ion: 62 Resp: 7499

Ion Ratio Lower Upper

62 100

98 9.0 7.0 10.4



#37

1,2-Dichloropropane

Concen: 6.840 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU026044.D

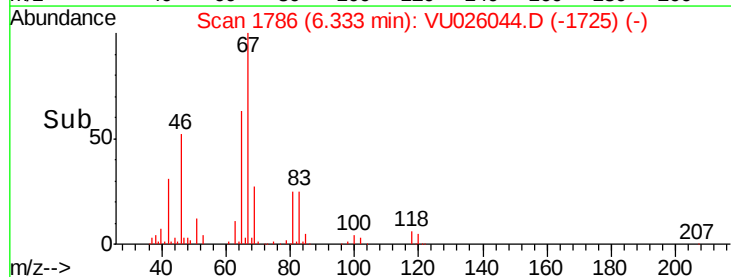
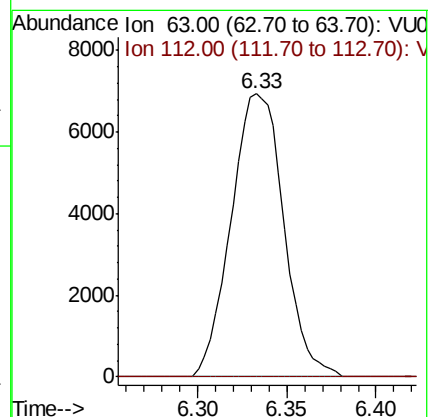
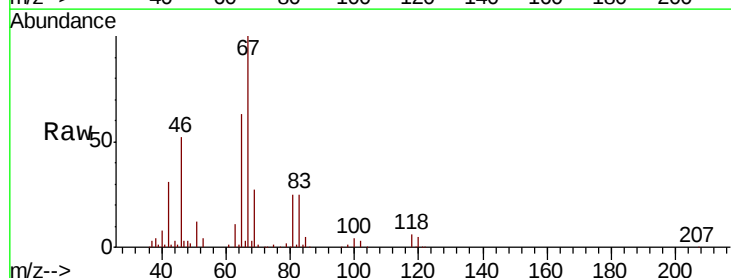
Acq: 10 Aug 2018 15:31

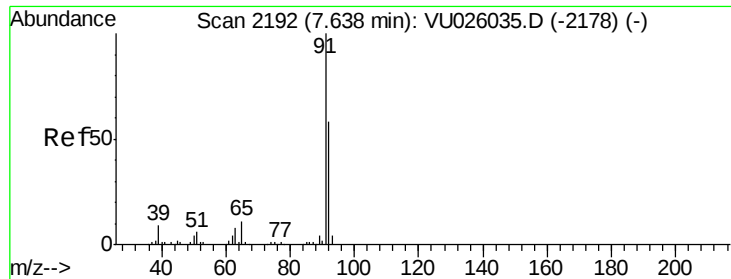
Tgt Ion: 63 Resp: 14271

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#42

Toluene

Concen: 10.337 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026044.D

Acq: 10 Aug 2018 15:31

Instrument :

MSVOA_U

ClientSampleId :

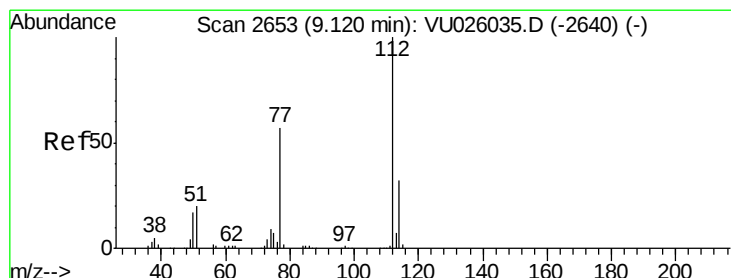
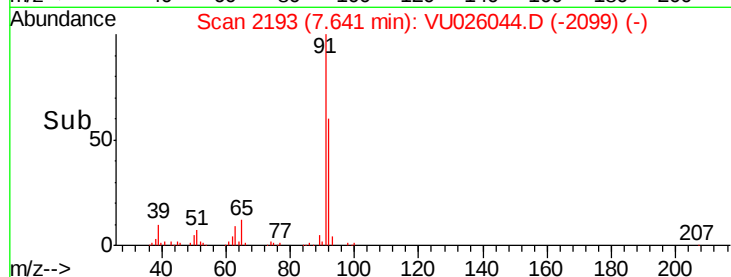
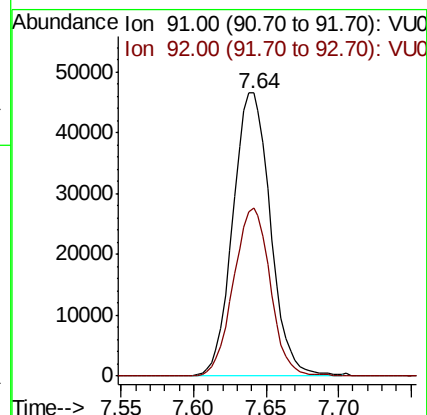
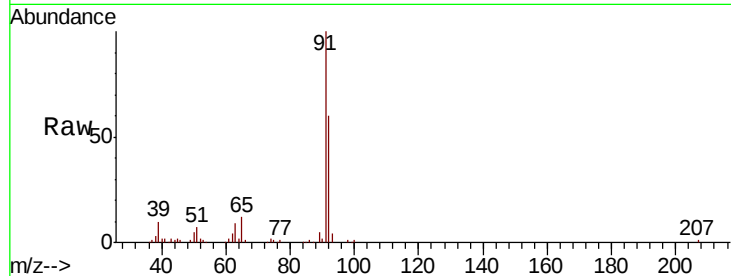
A4ZG1

Tot Ion: 91 Resp: 83660

Ion Ratio Lower Upper

91 100

92 59.6 41.0 76.2



#51

Chlorobenzene

Concen: 129.748 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026044.D

Acq: 10 Aug 2018 15:31

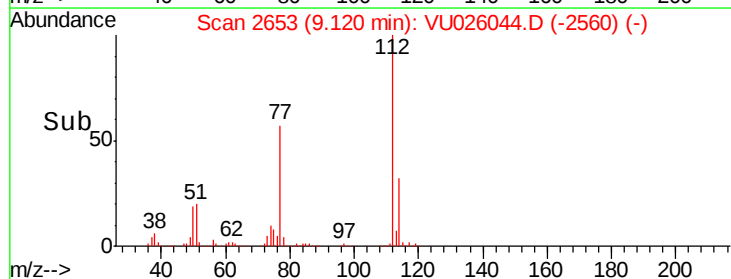
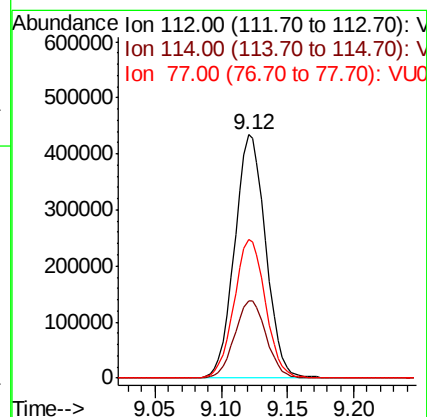
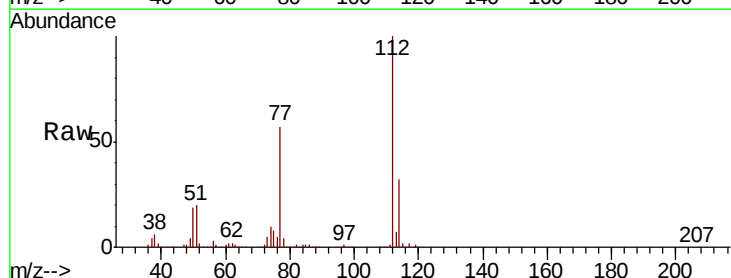
Tgt Ion: 112 Resp: 708028

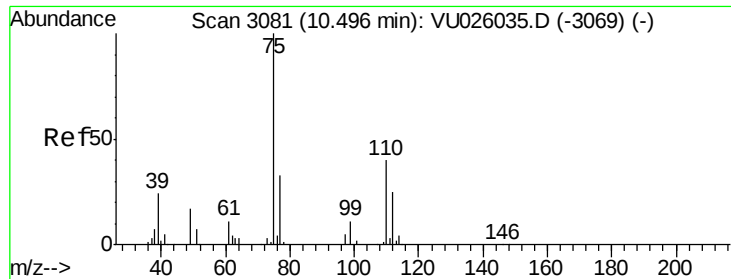
Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

77 57.1 45.2 67.8





#59

1,2,3-Trichloropropane

Concen: 8.579 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.92 min

Lab File: VU026044.D

Acq: 10 Aug 2018 15:31

Instrument :

MSVOA_U

ClientSampleId :

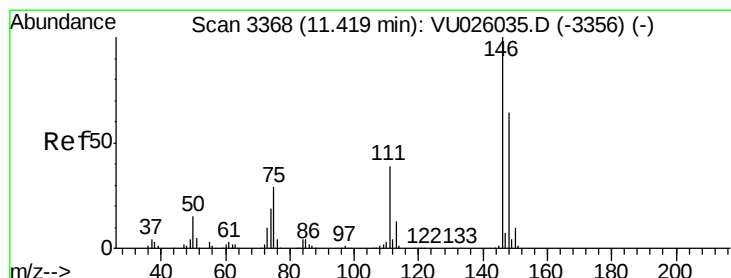
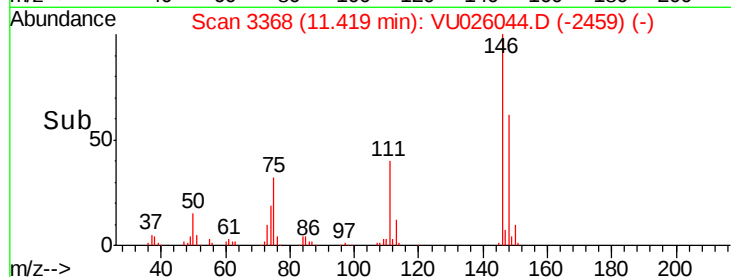
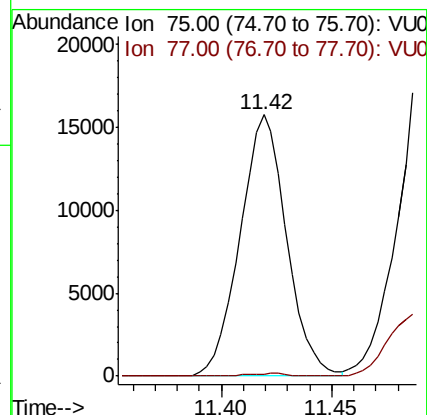
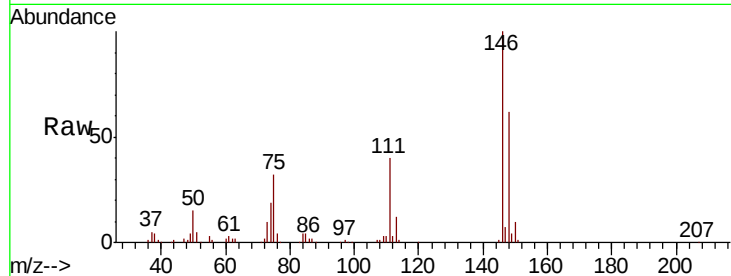
A4ZG1

Tot Ion: 75 Resp: 23083

Ion Ratio Lower Upper

75 100

77 0.8 25.3 37.9#



#62

1,3-Dichlorobenzene

Concen: 18.818 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026044.D

Acq: 10 Aug 2018 15:31

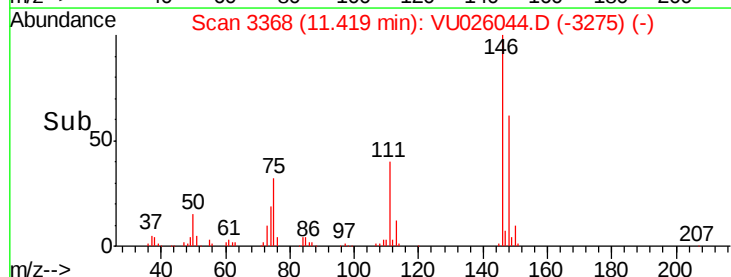
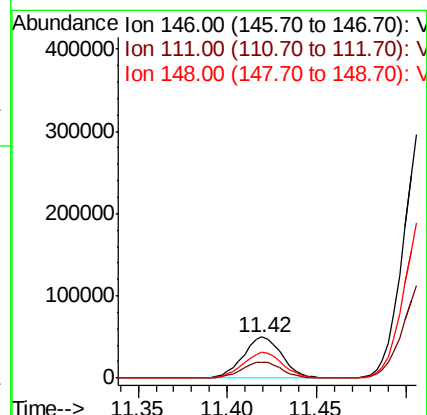
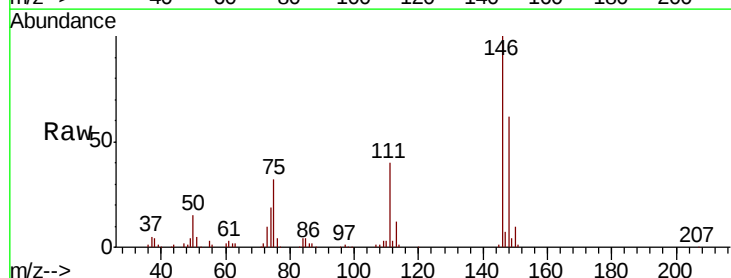
Tgt Ion: 146 Resp: 75989

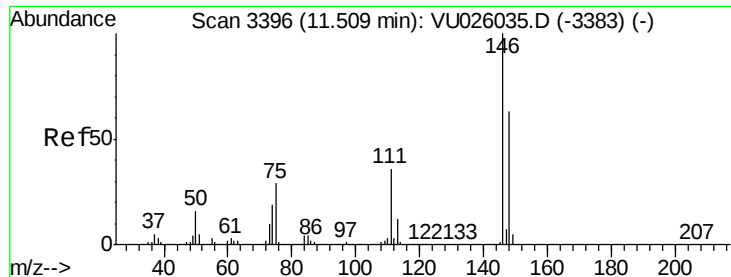
Ion Ratio Lower Upper

146 100

111 39.6 27.9 51.9

148 62.2 46.0 85.4

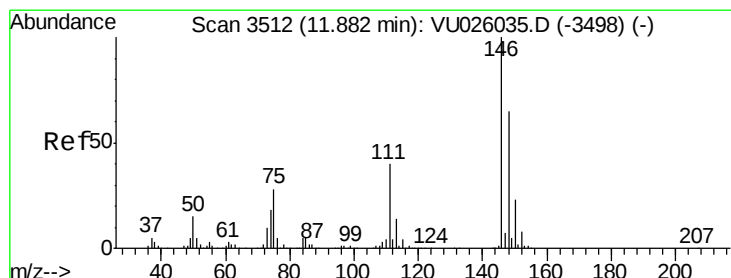
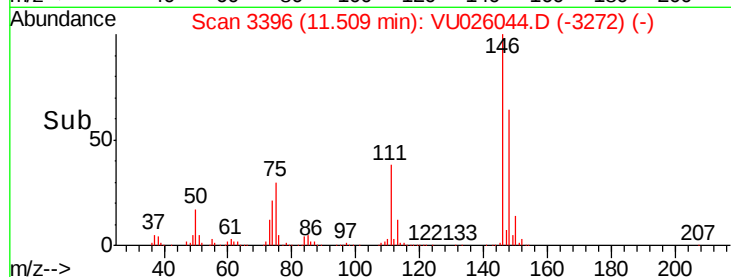
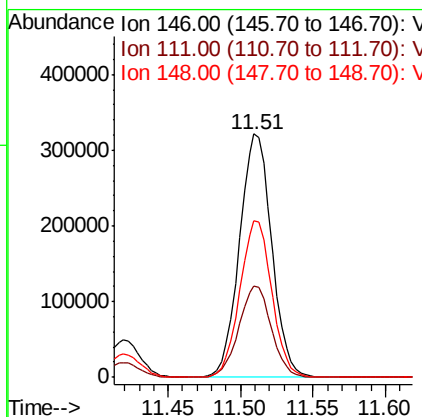
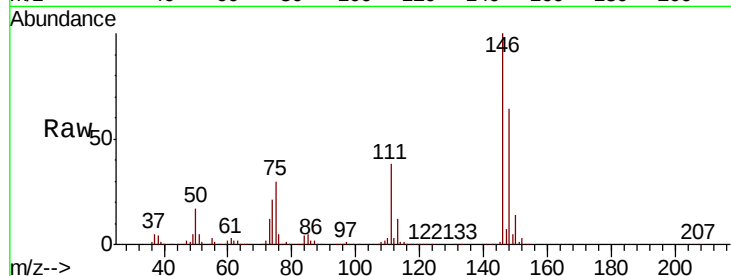




#63
 1,4-Dichlorobenzene
 Concen: 117.185 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026044.D
 Acq: 10 Aug 2018 15:31

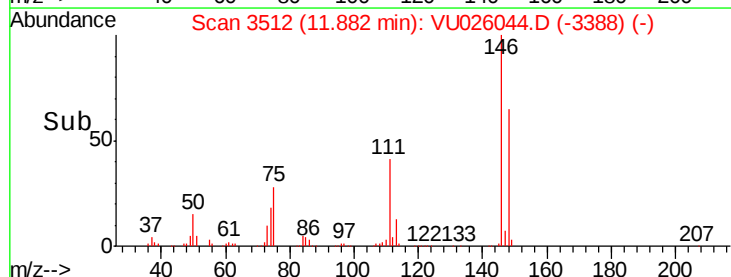
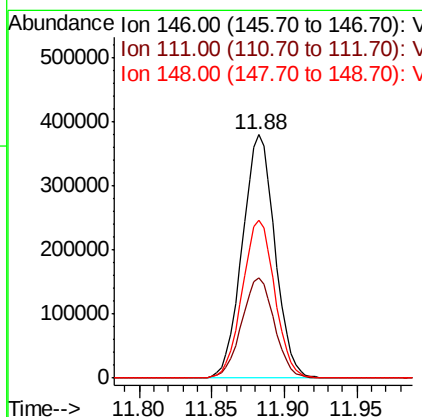
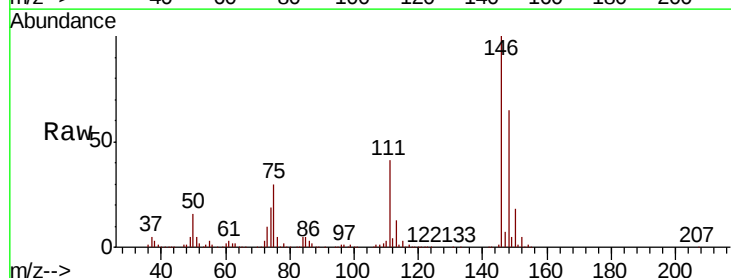
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZG1

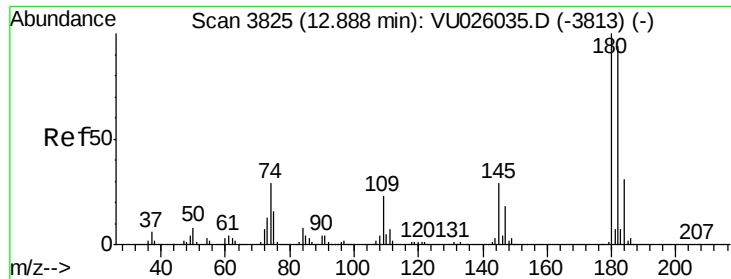
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.4	49.0
148	64.4	43.8	81.4



#65
 1,2-Dichlorobenzene
 Concen: 138.247 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026044.D
 Acq: 10 Aug 2018 15:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.4	48.6
148	65.0	50.1	75.1

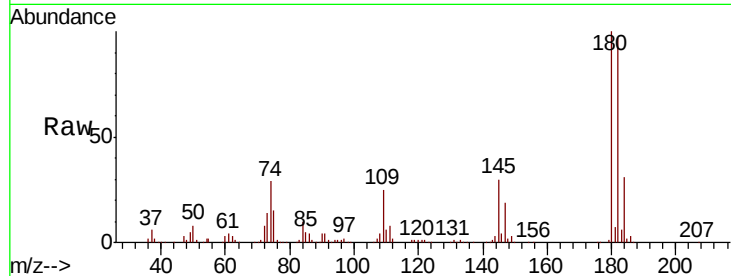




#67
 1,3,5-Trichlorobenzene
 Concen: 100.258 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026044.D
 Acq: 10 Aug 2018 15:31

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZG1

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.5	114.7
184	31.0	24.3	36.5
145	29.8	23.5	35.3



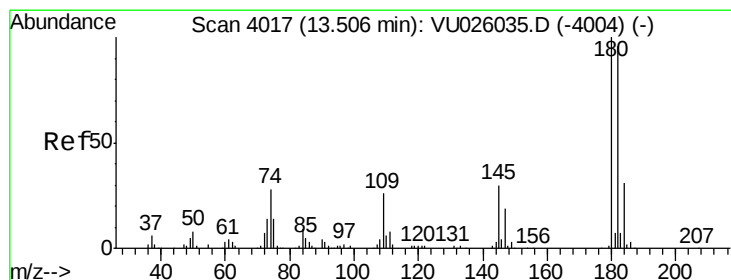
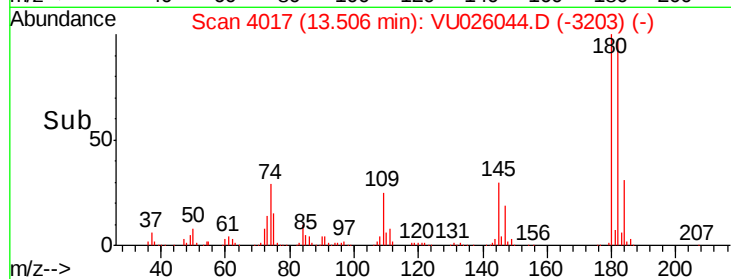
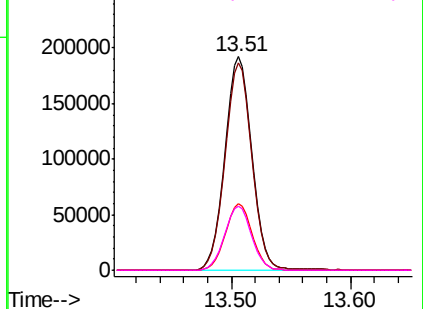
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

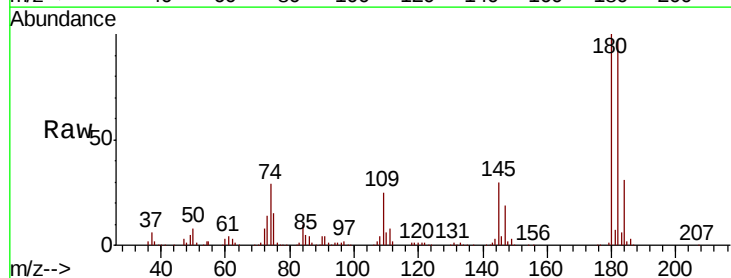
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 118.558 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026044.D
 Acq: 10 Aug 2018 15:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.5	114.7
145	29.8	24.2	36.4

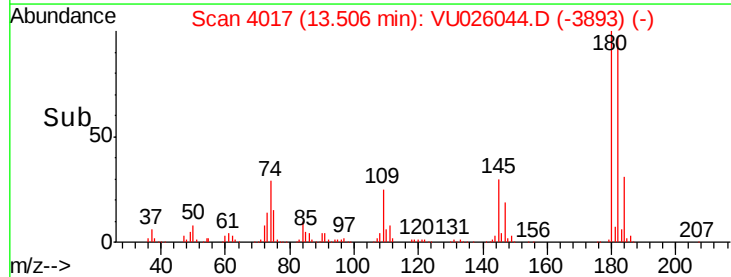
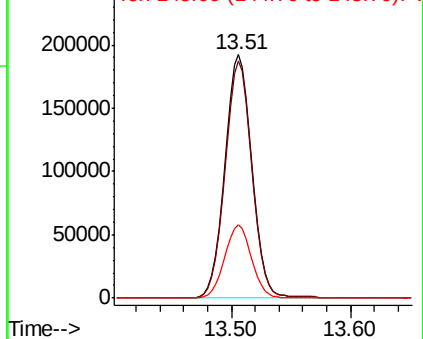


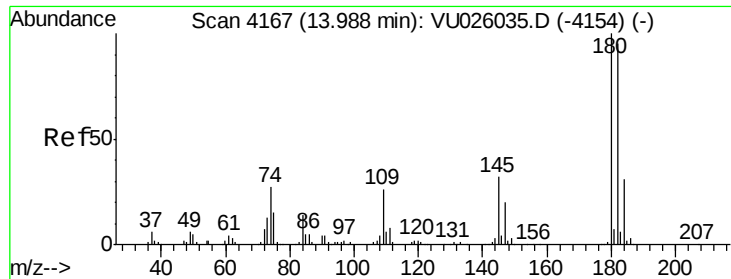
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 28.704 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026044.D
 Acq: 10 Aug 2018 15:31

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZG1

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.5	114.7
145	30.6	24.7	37.1

