

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026009.D
 Acq On : 09 Aug 2018 20:26
 Operator : MD/SY
 Sample : J4361-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC9

Quant Time: Aug 10 07:34:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:14:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	299686	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	285376	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	137132	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90421	41.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.56%
7) Chloroethane-d5	1.68	69	77547	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.30%
11) 1,1-Dichloroethene-d2	2.27	63	139340	33.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.94%
21) 2-Butanone-d5	4.18	46	180641	98.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.94%
24) Chloroform-d	4.65	84	214624	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.31	65	149280	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.14%
32) Benzene-d6	5.35	84	415924	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
36) 1,2-Dichloropropane-d6	6.33	67	137557	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.57	98	377000	44.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.94%
43) trans-1,3-Dichloropropene-	7.85	79	65953	45.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.30%
47) 2-Hexanone-d5	8.31	63	127862	98.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.18%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	198101	47.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	164560	48.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.36%

Target Compounds

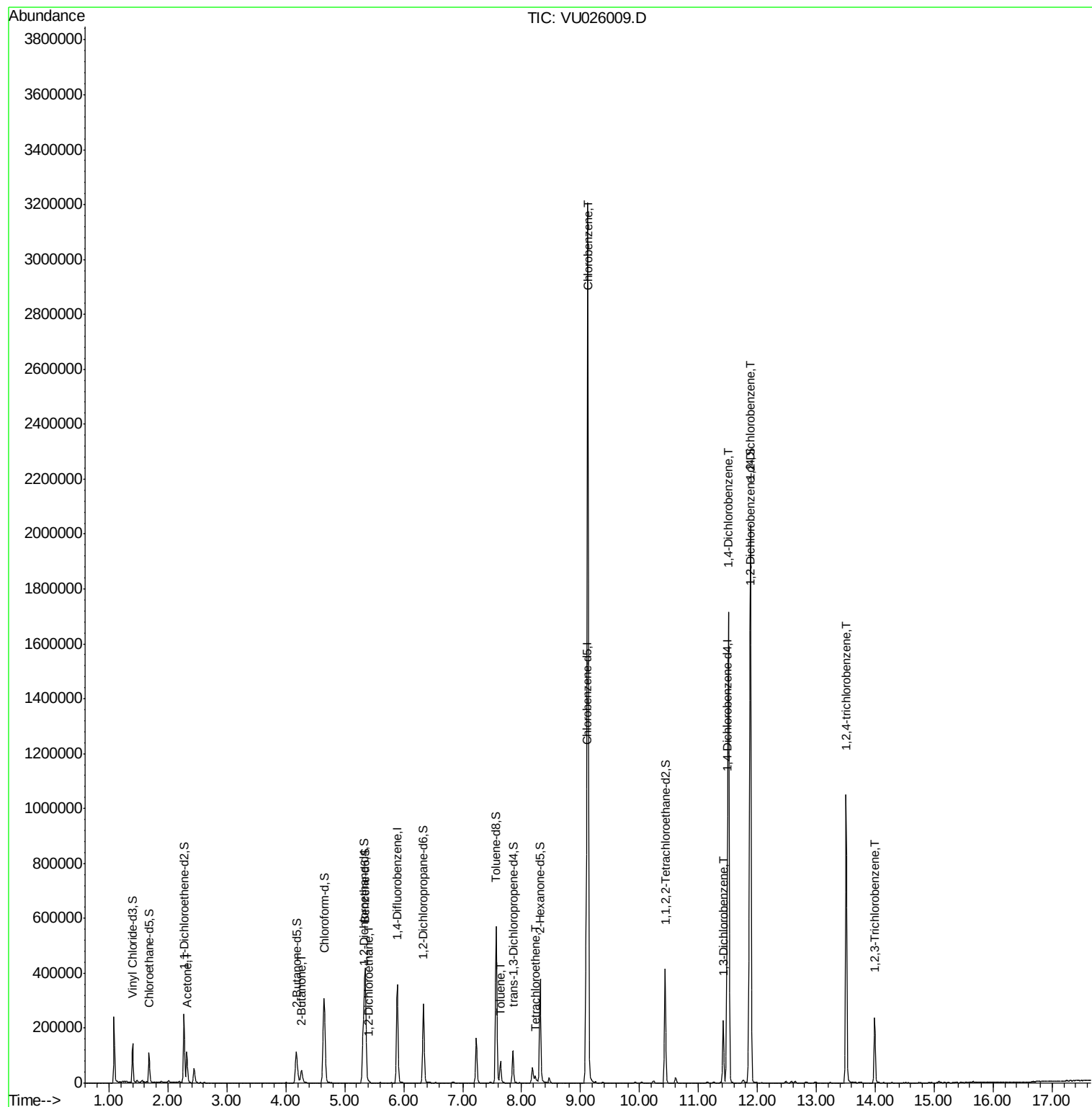
						Ovalue
13) Acetone	2.32	43	113195	99.80	ug/L	99
22) 2-Butanone	4.27	43	68749	41.89	ug/L	99
27) 1,2-Dichloroethane	5.41	62	3957	1.23	ug/L	98
42) Toluene	7.64	91	55782	6.47	ug/L	100
46) Tetrachloroethene	8.23	164	3507	1.94	ug/L	90
51) Chlorobenzene	9.12	112	1691144	290.72	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	92474	21.66	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	664755	148.54	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	765658	168.49	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	315807	117.04	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	73955	25.50	ug/L	98

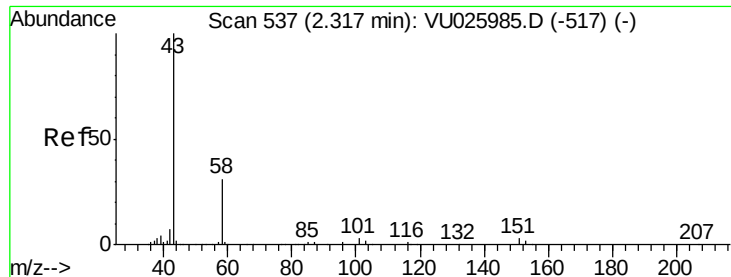
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 10 05:14:50 2018
Response via : Initial Calibration





#13

Acetone

Concen: 99.80 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026009.D

Acq: 09 Aug 2018 20:26

Instrument :

MSVOA_U

ClientSampleId :

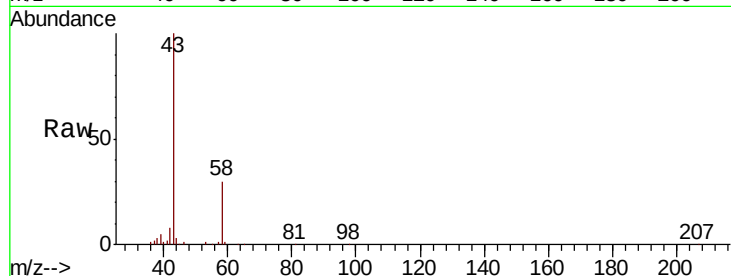
A4ZC9

Tot Ion: 43 Resp: 113195

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU025985.D (-517) (-)

Ion 58.00 (57.70 to 58.70): VU025985.D (-517) (-)

2.32

80000

60000

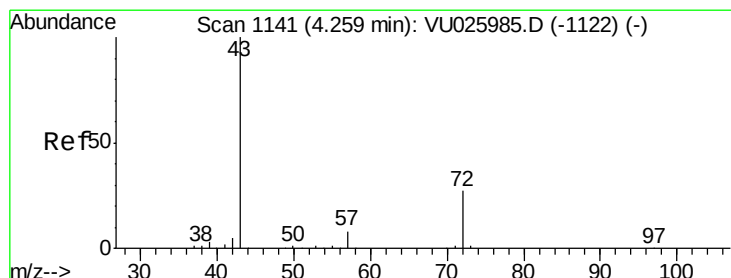
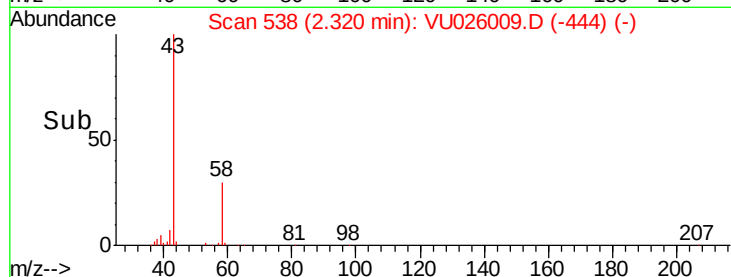
40000

20000

0

2.25 2.30 2.35 2.40

Time-->



#22

2-Butanone

Concen: 41.89 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VU026009.D

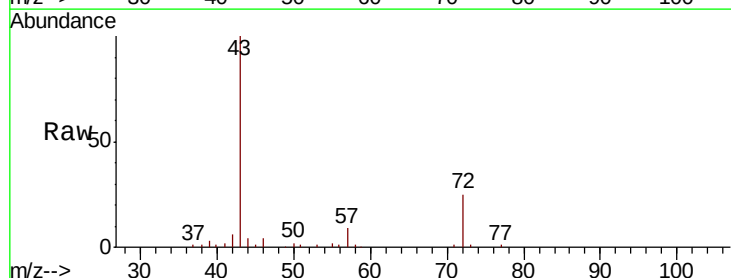
Acq: 09 Aug 2018 20:26

Tgt Ion: 43 Resp: 68749

Ion Ratio Lower Upper

43 100

72 26.4 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU025985.D (-1122) (-)

Ion 72.00 (71.70 to 72.70): VU025985.D (-1122) (-)

4.27

30000

25000

20000

15000

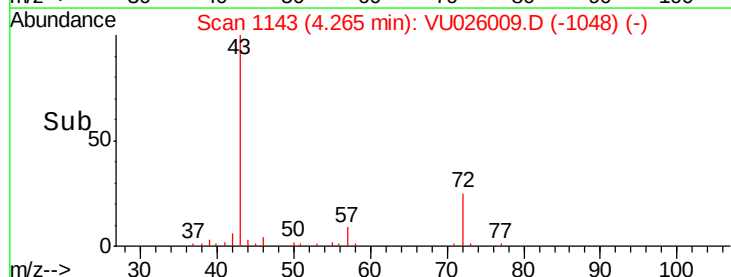
10000

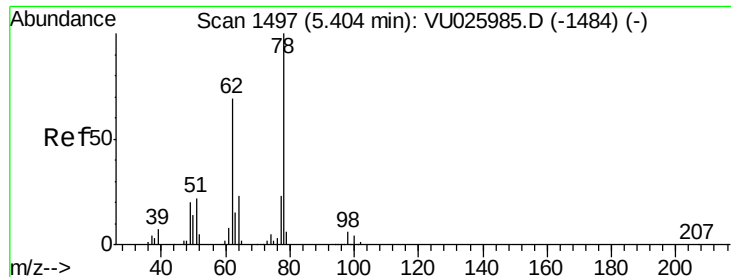
5000

0

4.20 4.30

Time-->

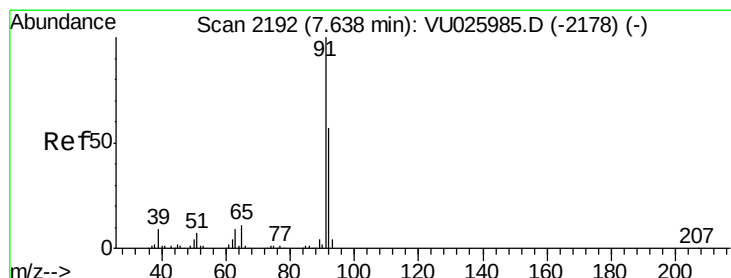
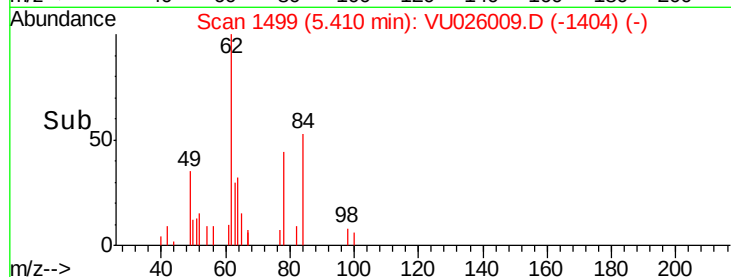
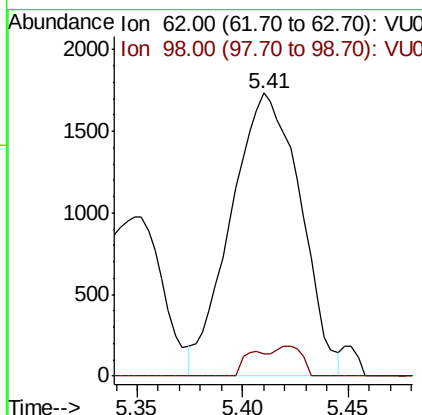
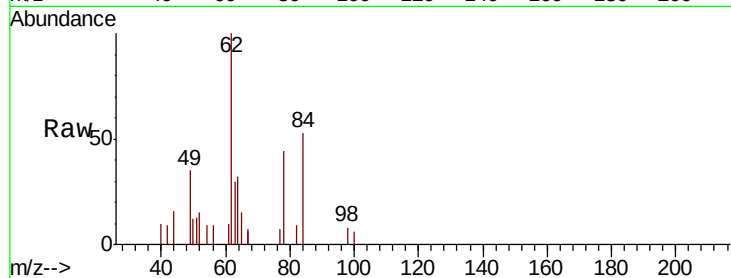




#27
 1,2-Dichloroethane
 Concen: 1.23 ug/L
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

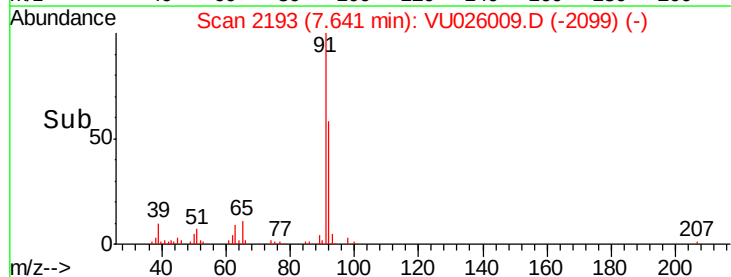
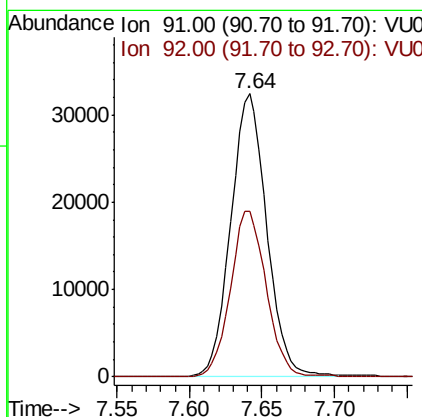
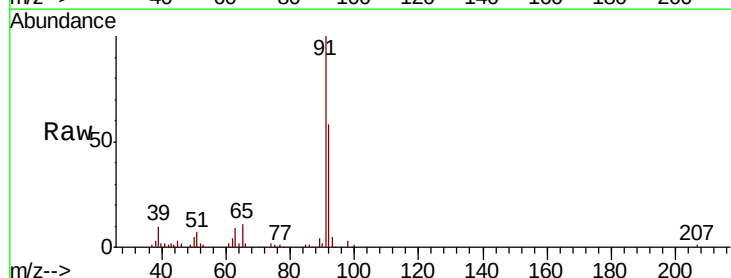
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC9

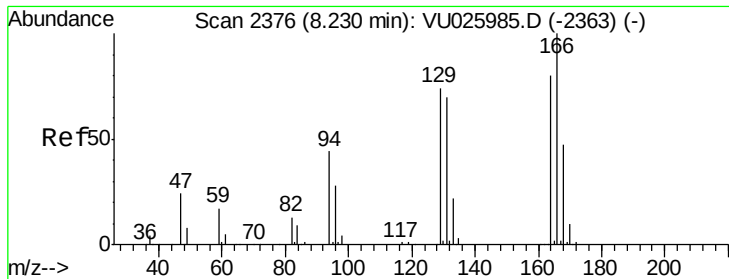
Tot Ion: 62 Resp: 3957
 Ion Ratio Lower Upper
 62 100
 98 8.0 7.0 10.4



#42
 Toluene
 Concen: 6.47 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

Tgt Ion: 91 Resp: 55782
 Ion Ratio Lower Upper
 91 100
 92 58.4 41.0 76.2

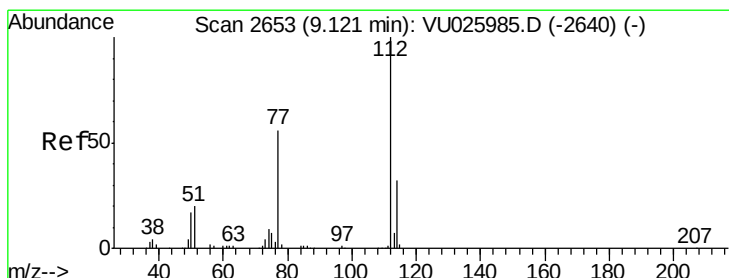
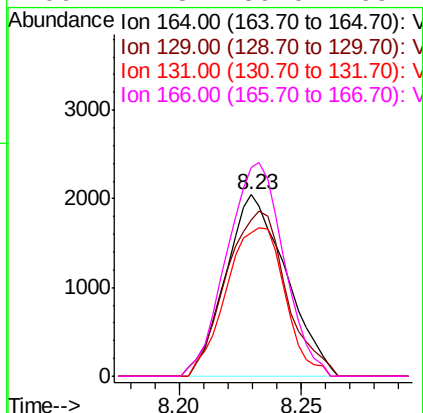
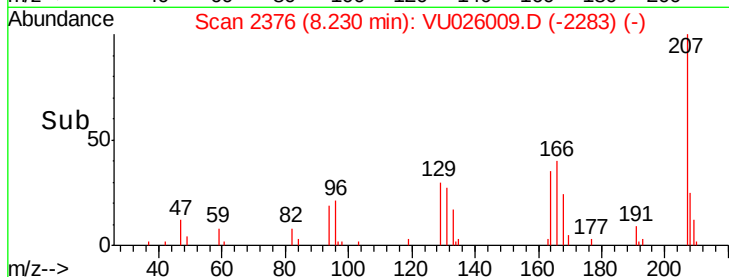
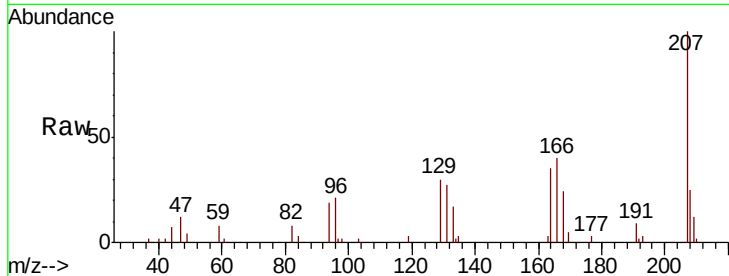




#46
Tetrachloroethene
Concen: 1.94 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU026009.D
Acq: 09 Aug 2018 20:26

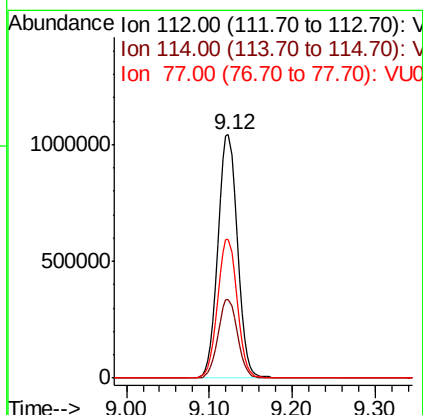
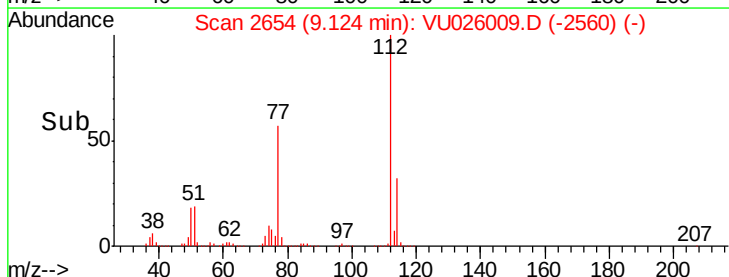
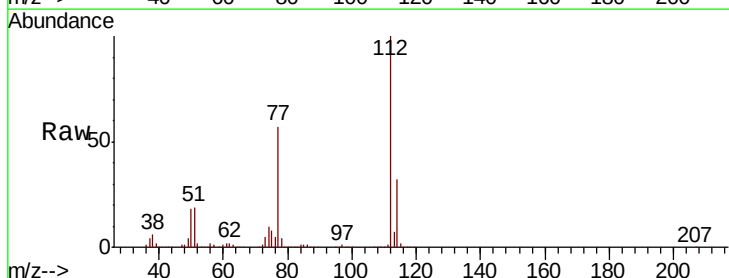
Instrument :
MSVOA_U
ClientSampleId :
A4ZC9

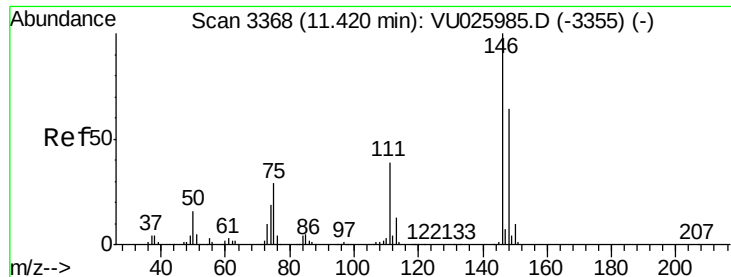
Tot Ion	Ratio	Lower	Upper
164	100		
129	85.9	64.8	120.3
131	79.1	62.8	116.6
166	114.8	89.0	165.4



#51
Chlorobenzene
Concen: 290.72 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026009.D
Acq: 09 Aug 2018 20:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.3
77	56.7	45.2	67.8

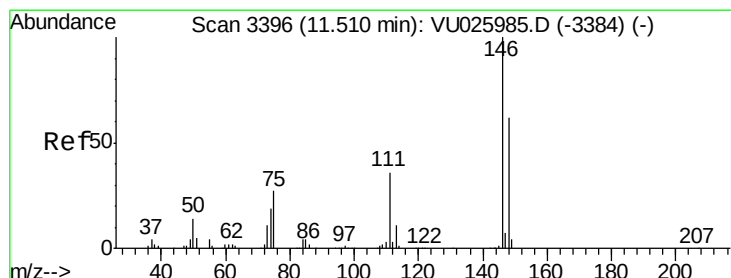
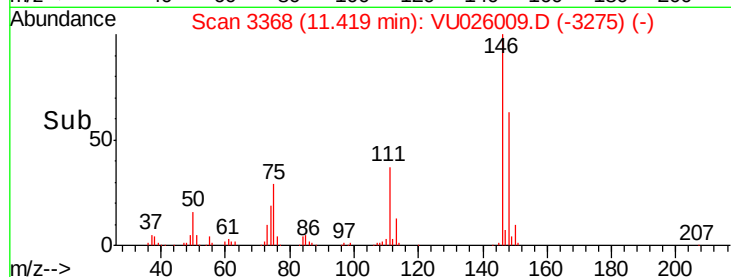
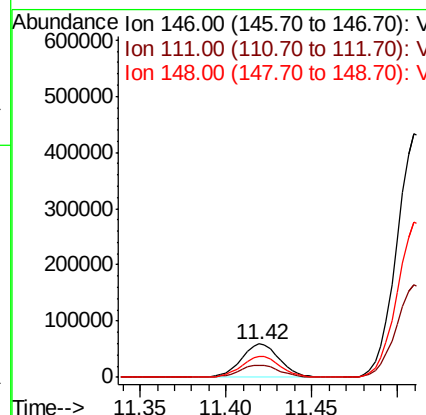
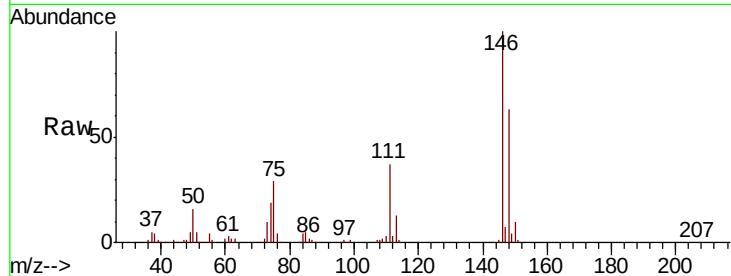




#62
 1,3-Dichlorobenzene
 Concen: 21.66 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

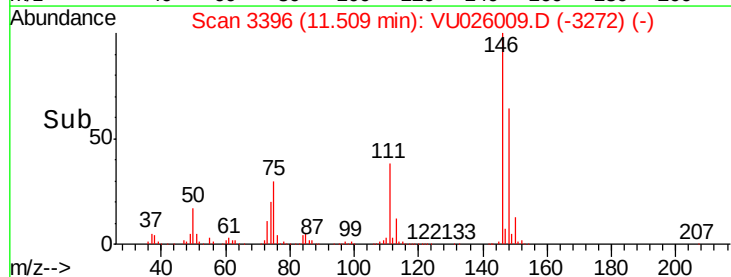
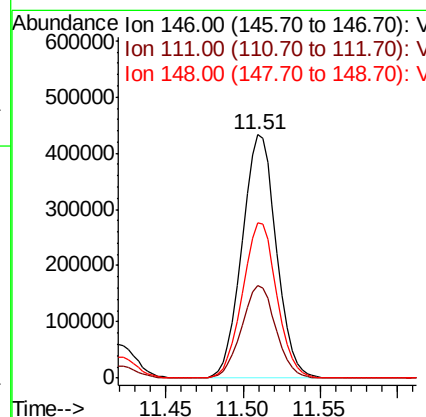
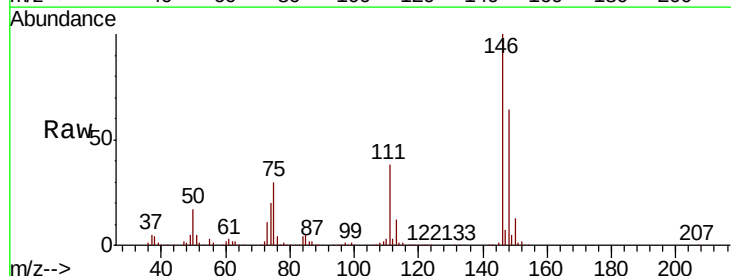
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC9

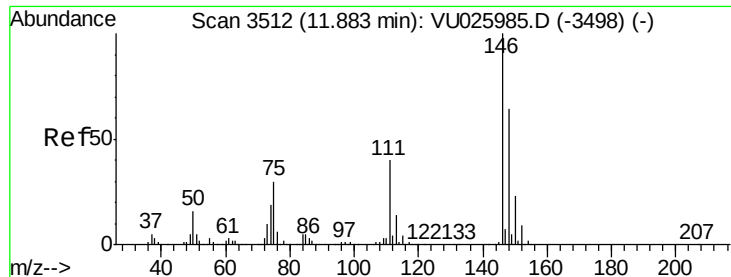
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	27.9	51.9
148	63.2	46.0	85.4



#63
 1,4-Dichlorobenzene
 Concen: 148.54 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.4	49.0
148	63.5	43.8	81.4





#65

1,2-Dichlorobenzene

Concen: 168.49 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026009.D

Acq: 09 Aug 2018 20:26

Instrument :

MSVOA_U

ClientSampleId :

A4ZC9

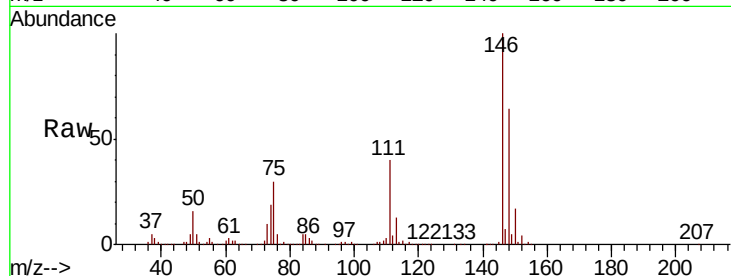
Tot Ion:146 Resp: 765658

Ion Ratio Lower Upper

146 100

111 40.5 32.4 48.6

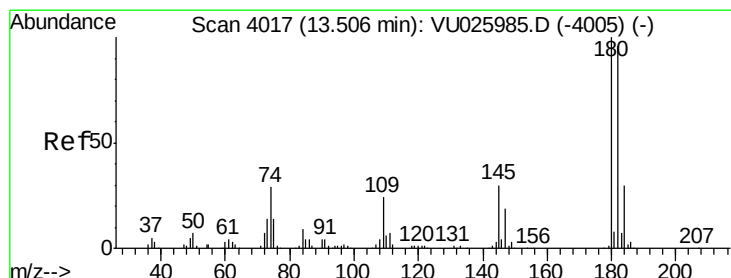
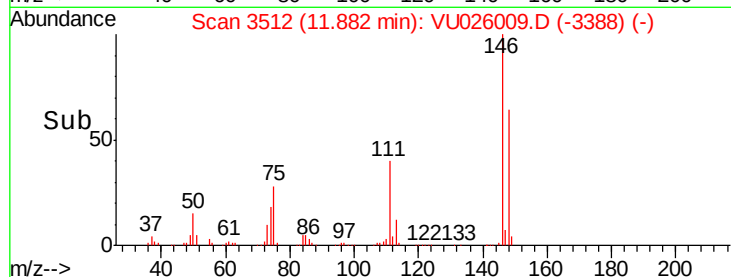
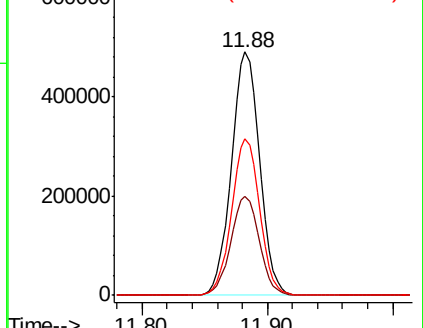
148 64.3 50.1 75.1



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



#68

1,2,4-trichlorobenzene

Concen: 117.04 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU026009.D

Acq: 09 Aug 2018 20:26

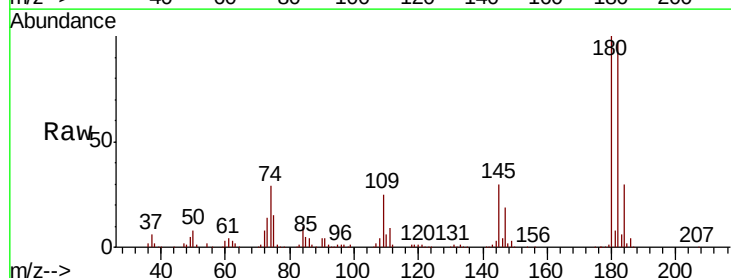
Tgt Ion:180 Resp: 315807

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

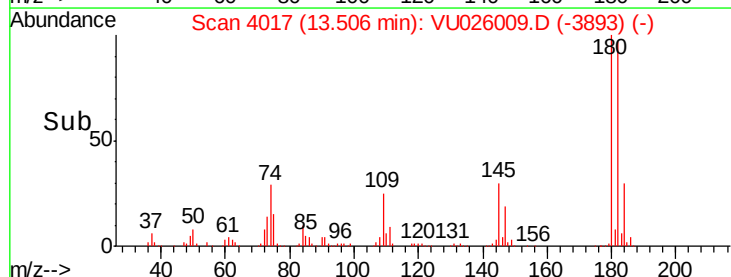
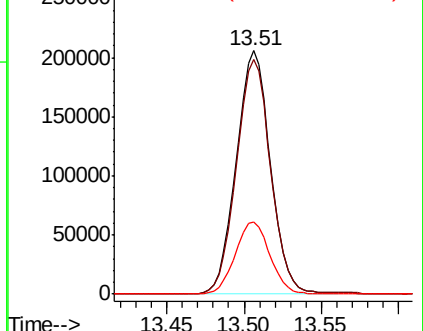
145 30.4 24.2 36.4

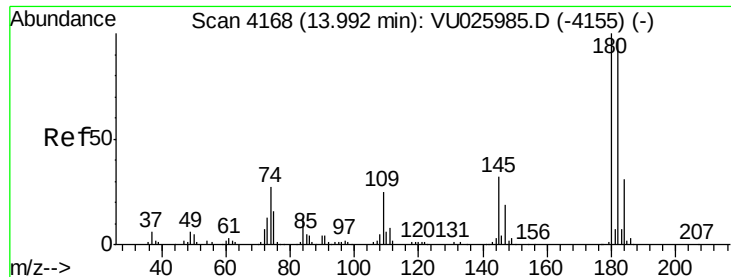


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

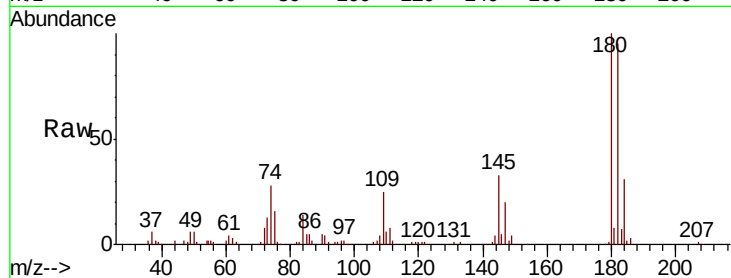




#70
 1,2,3-Trichlorobenzene
 Concen: 25.50 ug/L
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU026009.D
 Acq: 09 Aug 2018 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC9

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.5	114.7
145	32.5	24.7	37.1



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

