

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\
 Data File : VU026075.D
 Acq On : 13 Aug 2018 18:15
 Operator : MD/SY
 Sample : J4401-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :

Quant Time: Aug 14 02:19:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 02:18:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	276131	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	264500	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	134445	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78489	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.78%
7) Chloroethane-d5	1.68	69	67923	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.90%
11) 1,1-Dichloroethene-d2	2.27	63	127479	33.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.48%
21) 2-Butanone-d5	4.18	46	140205	83.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.34%
24) Chloroform-d	4.65	84	185767	43.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.31	65	127236	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.02%
32) Benzene-d6	5.35	84	355182	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.48%
36) 1,2-Dichloropropane-d6	6.33	67	114727	43.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.34%
41) Toluene-d8	7.57	98	320907	40.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.68%
43) trans-1,3-Dichloropropene-	7.85	79	56972	42.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.10%
47) 2-Hexanone-d5	8.31	63	97591	80.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.85%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	164775	42.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	146270	44.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.26%

Target Compounds

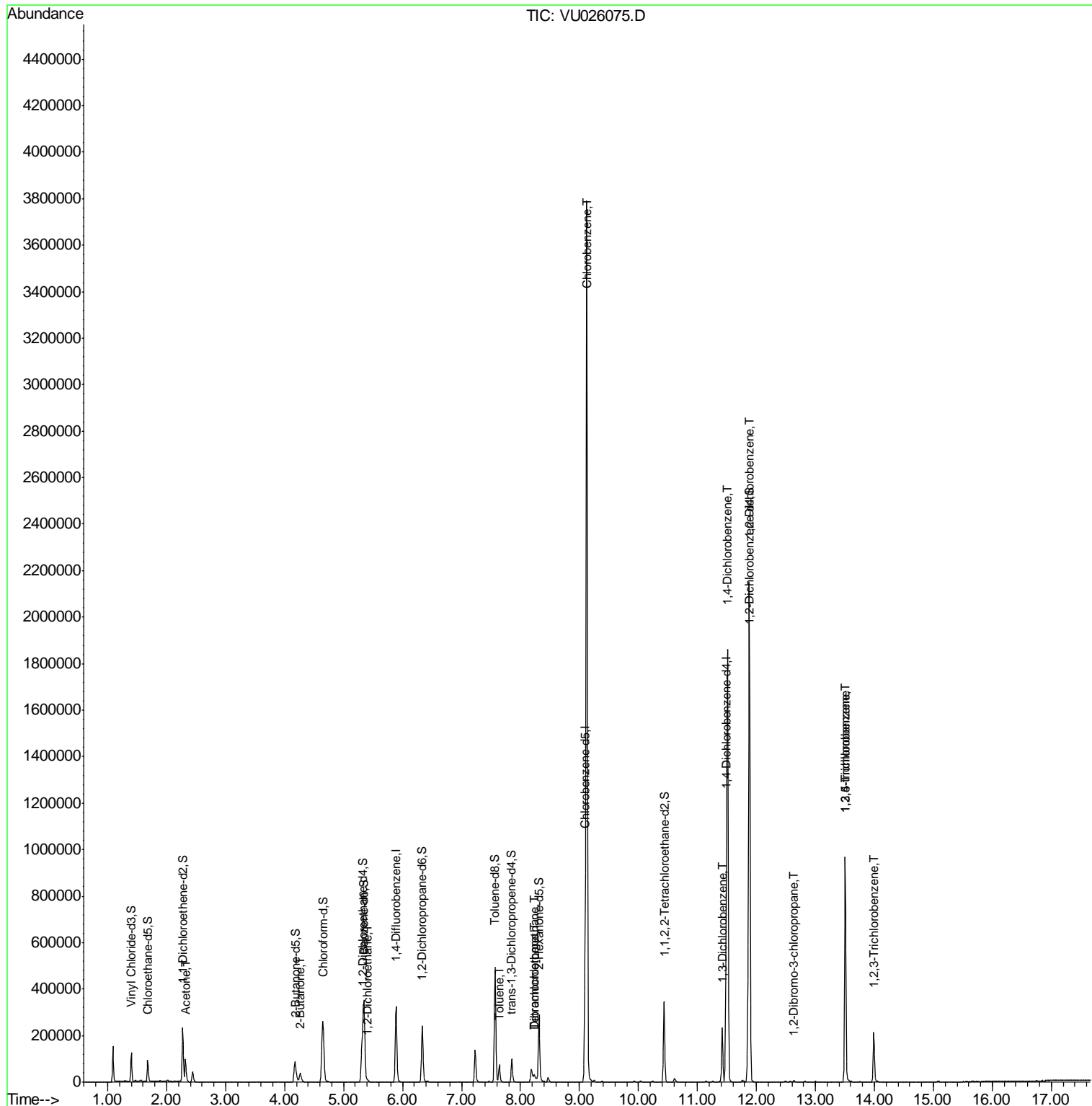
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	96435	92.280	ug/L	99
22) 2-Butanone	4.27	43	56865	37.607	ug/L	100
27) 1,2-Dichloroethane	5.41	62	3916	1.322	ug/L	98
42) Toluene	7.64	91	53465	6.686	ug/L	98
46) Tetrachloroethene	8.23	164	4386	2.619	ug/L	87
49) Dibromochloromethane	8.23	129	3621	1.528	ug/L #	11
51) Chlorobenzene	9.12	112	2039589	378.290	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	95423	22.798	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	727801	165.874	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	832433	186.846	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	1127	1.441	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.51	180	299105	95.616	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	299105	113.068	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	68279	24.015	ug/L	99

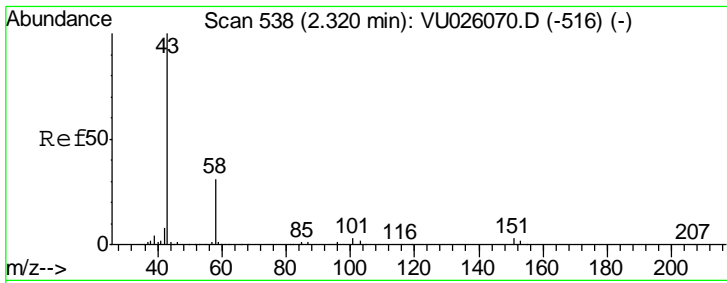
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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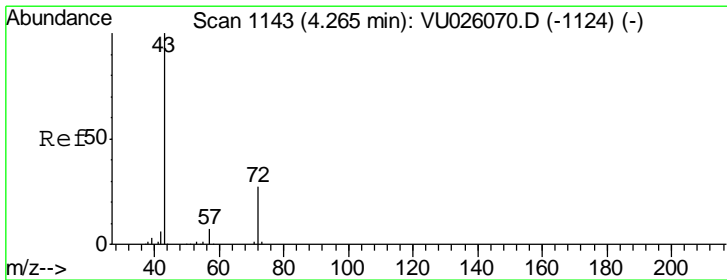
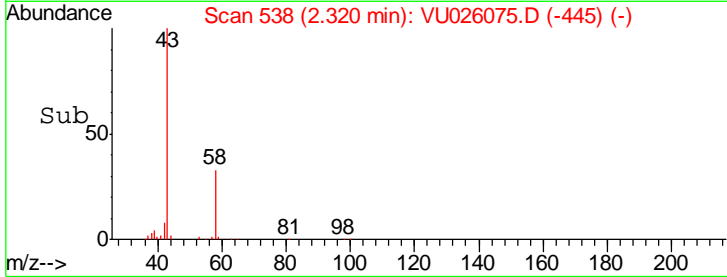
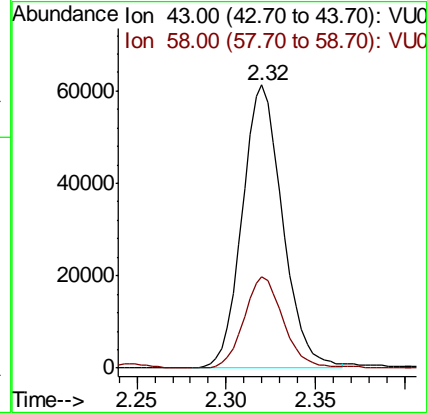
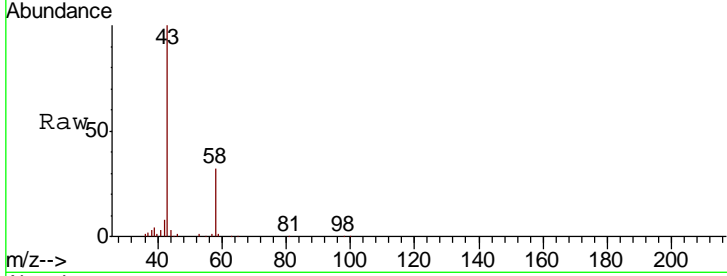


#13
 Acetone
 Concen: 92.280 ug/L
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion: 43 Resp: 96435

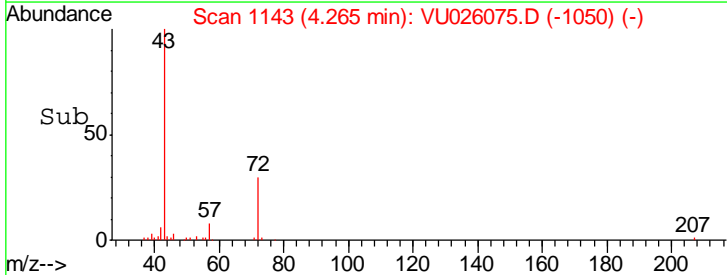
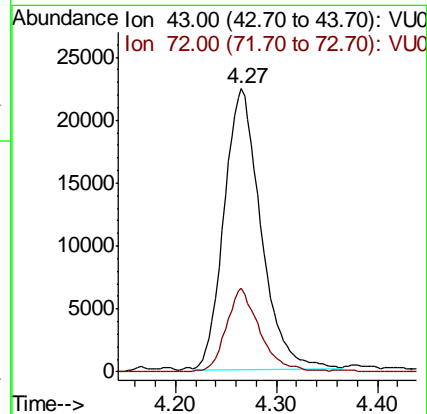
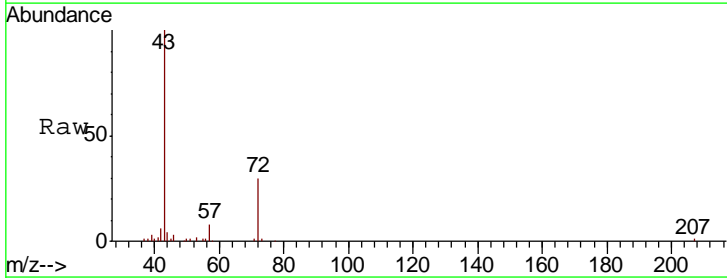
Ion	Ratio	Lower	Upper
43	100		
58	31.3	0.0	61.8

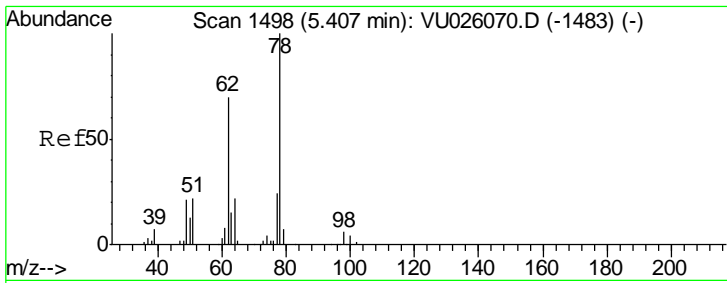


#22
 2-Butanone
 Concen: 37.607 ug/L
 RT: 4.27 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

Tgt Ion: 43 Resp: 56865

Ion	Ratio	Lower	Upper
43	100		
72	27.0	13.5	40.5

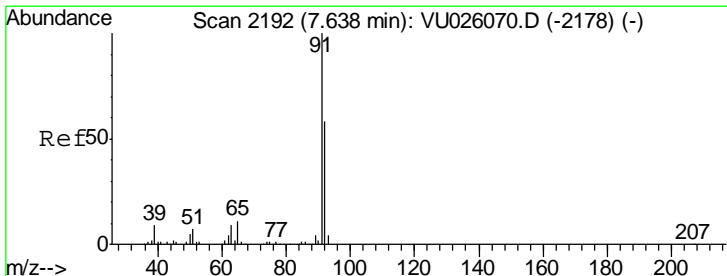
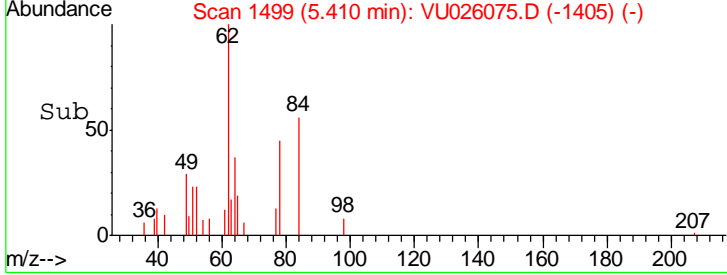
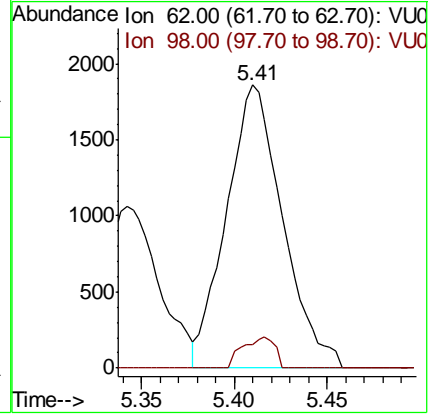
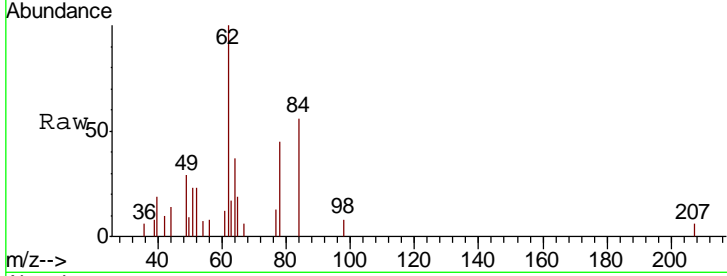




#27
 1,2-Dichloroethane
 Concen: 1.322 ug/L
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

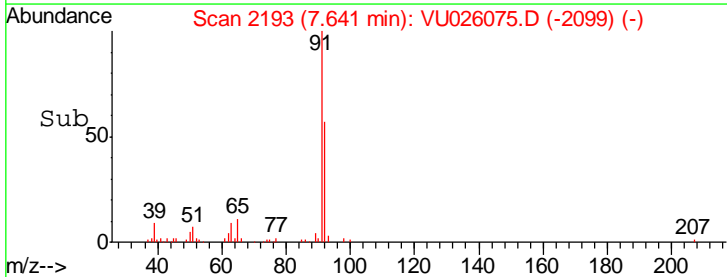
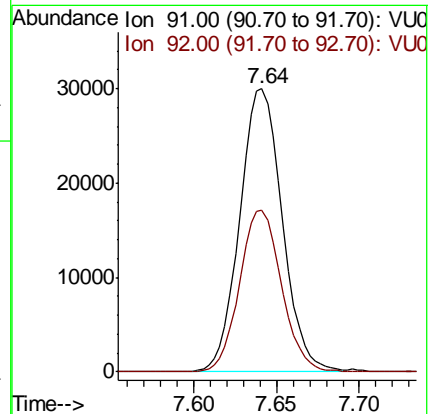
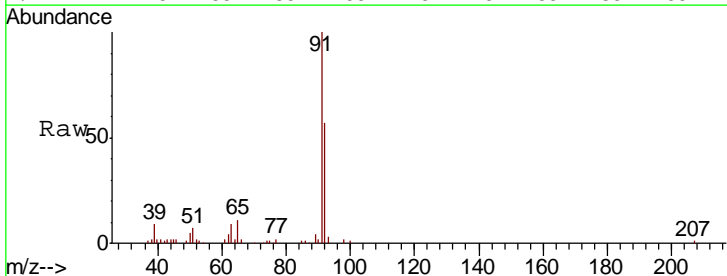
Instrument :
 MSVOA_U
 ClientSampled :

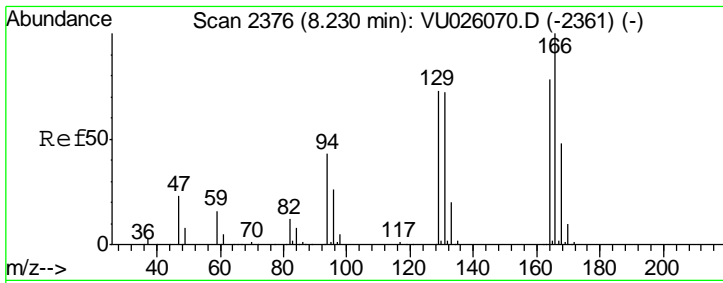
Tgt Ion	Resp	Lower	Upper
62	3916		
62	100		
98	8.1	7.0	10.4



#42
 Toluene
 Concen: 6.686 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

Tgt Ion	Resp	Lower	Upper
91	53465		
91	100		
92	57.1	41.0	76.2

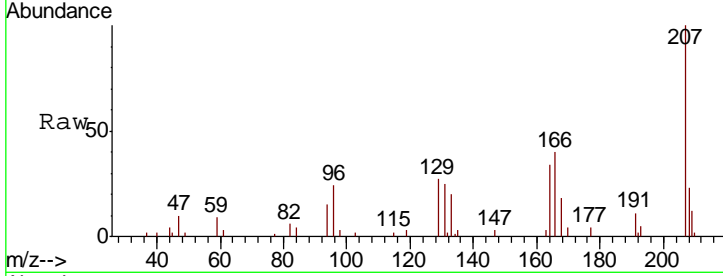




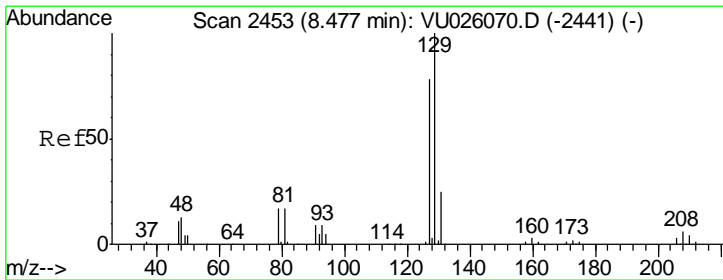
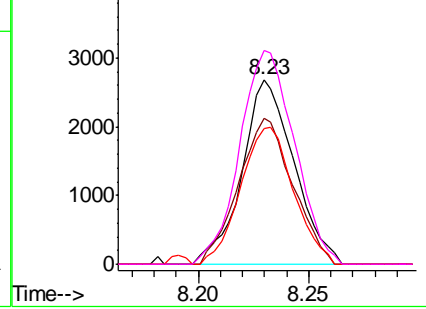
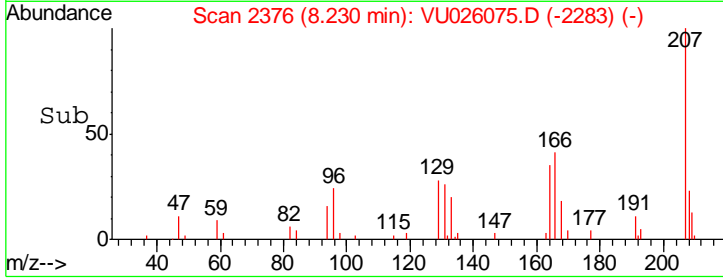
#46
 Tetrachloroethene
 Concen: 2.619 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
164	100		
129	79.1	64.8	120.3
131	73.5	62.8	116.6
166	115.8	89.0	165.4

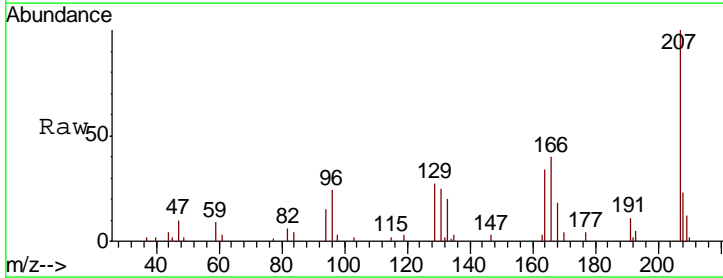


Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

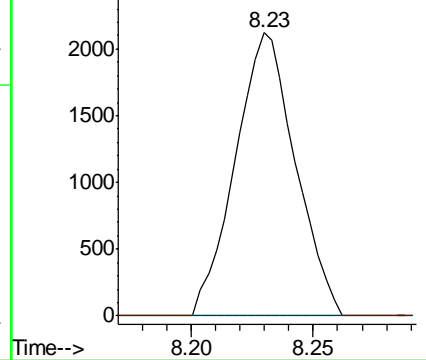
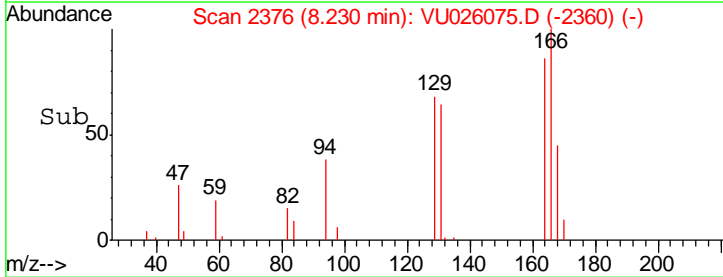


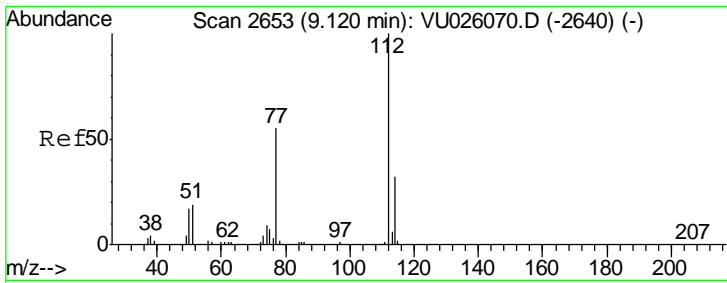
#49
 Dibromochloromethane
 Concen: 1.528 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.25 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

Tgt Ion	Resp	Lower	Upper
129	100		
127	0.0	53.5	99.3#



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

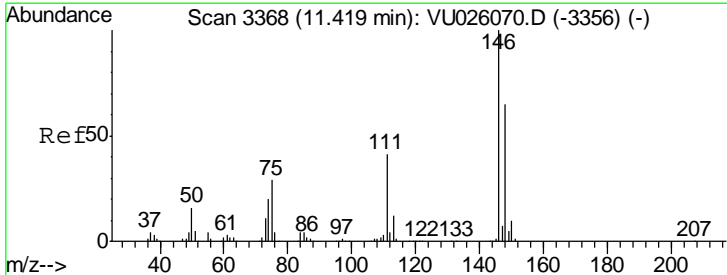
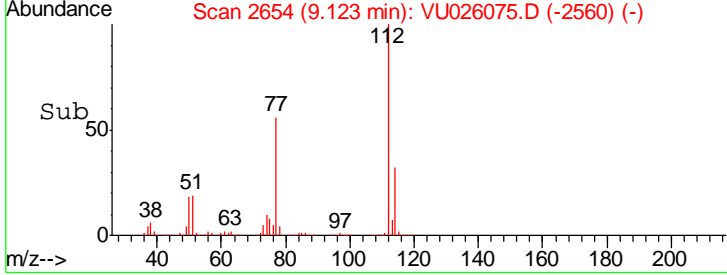
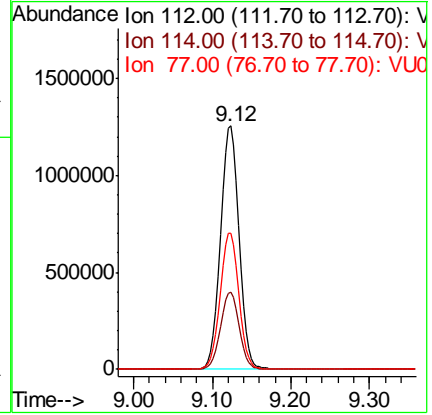
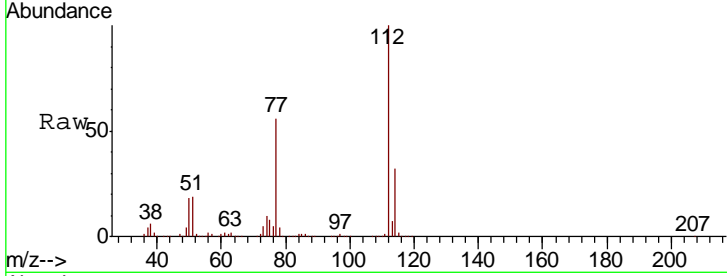




#51
 Chlorobenzene
 Concen: 378.290 ug/L
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

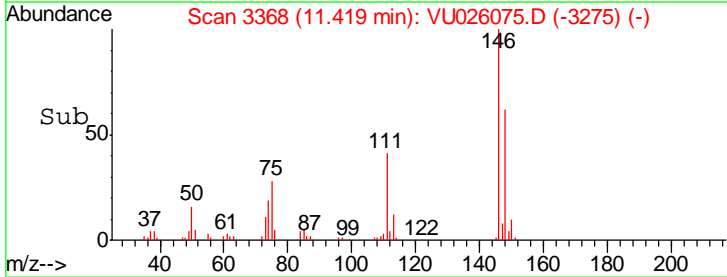
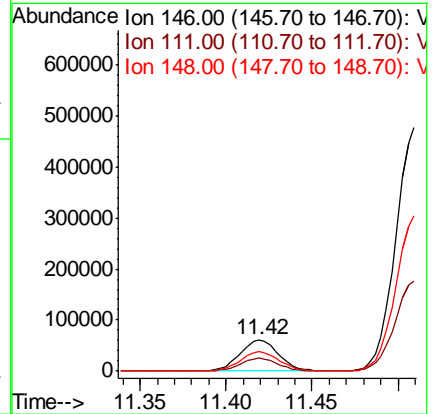
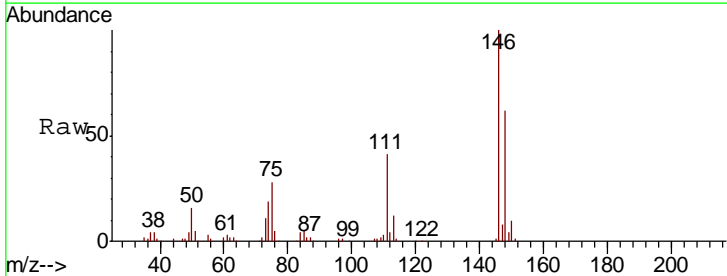
Instrument :
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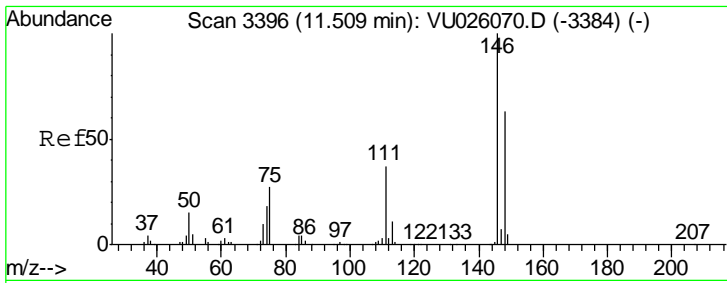
Tgt Ion	Resp	Lower	Upper
112	2039589		
114	31.8	22.7	42.3
77	56.0	45.2	67.8



#62
 1,3-Dichlorobenzene
 Concen: 22.798 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

Tgt Ion	Resp	Lower	Upper
146	95423		
111	40.7	27.9	51.9
148	61.6	46.0	85.4

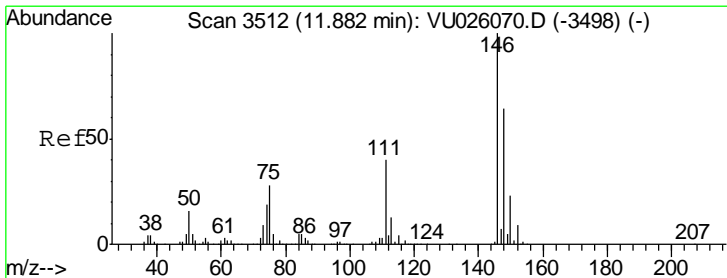
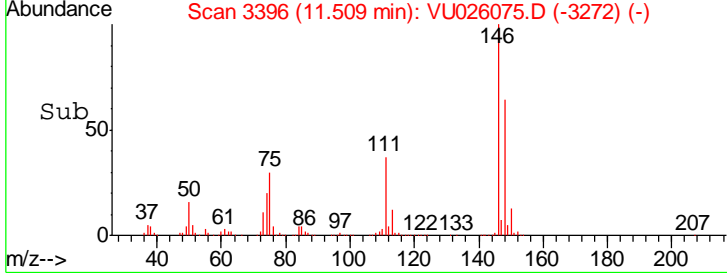
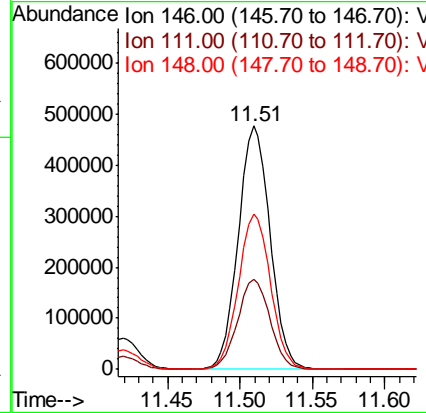
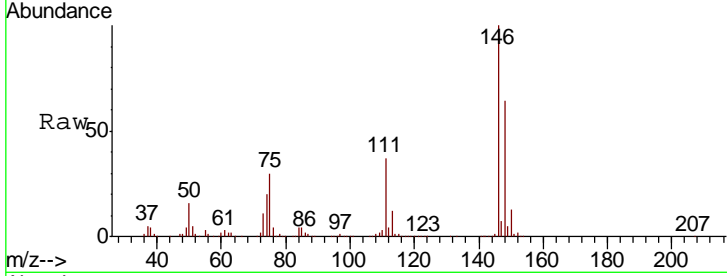




#63
 1,4-Dichlorobenzene
 Concen: 165.874 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

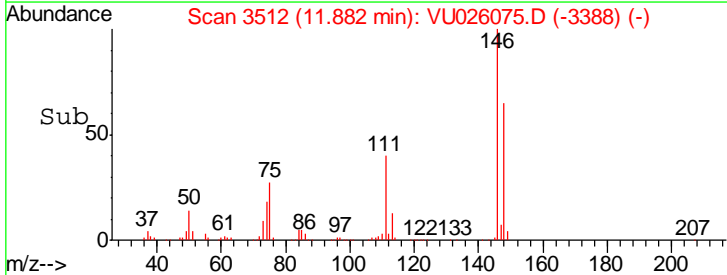
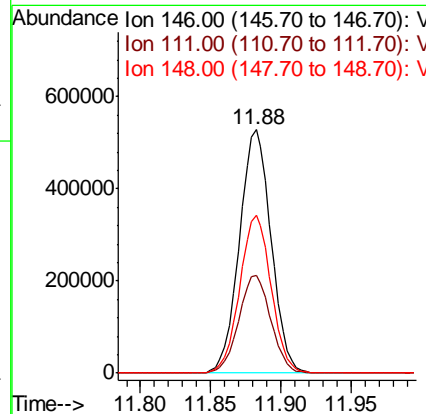
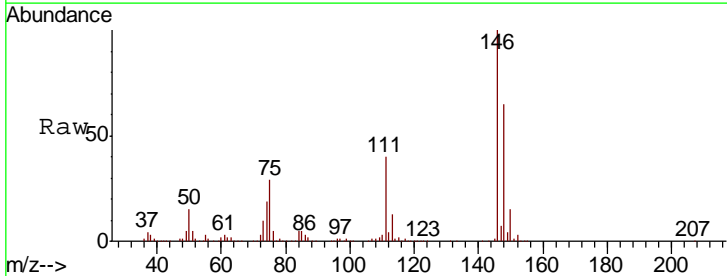
Instrument : MSVOA_U
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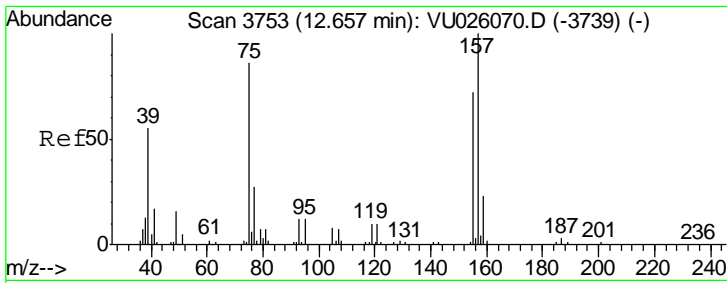
Tgt Ion	Resp	Lower	Upper
146	100		
111	37.2	26.4	49.0
148	64.0	43.8	81.4



#65
 1,2-Dichlorobenzene
 Concen: 186.846 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

Tgt Ion	Resp	Lower	Upper
146	100		
111	40.0	32.4	48.6
148	64.7	50.1	75.1

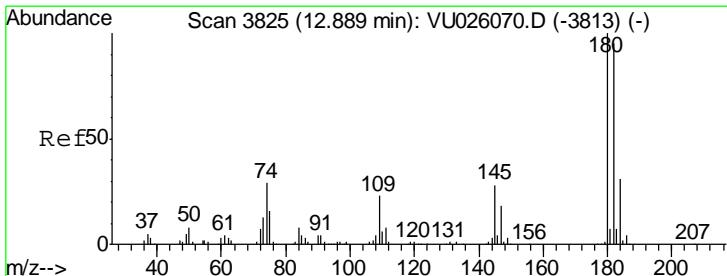
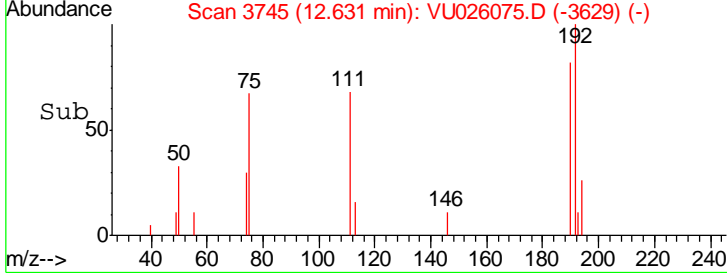
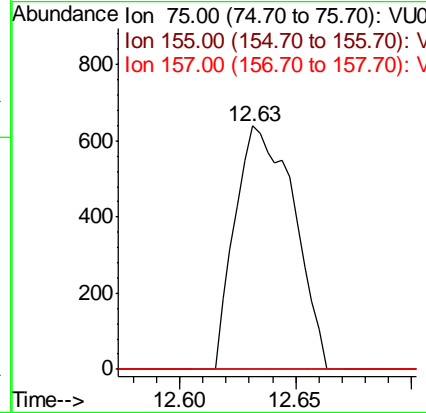
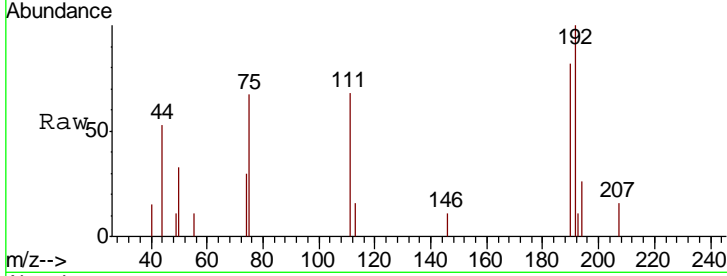




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.441 ug/L
 RT: 12.63 min Scan# 3745
 Delta R.T. -0.03 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

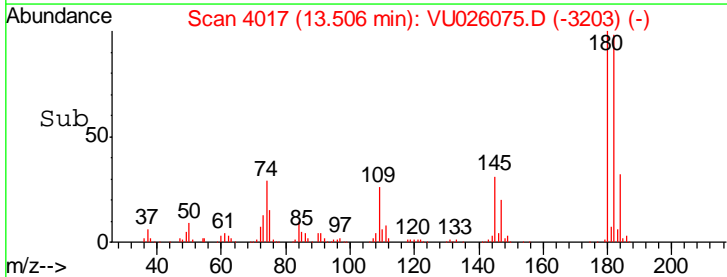
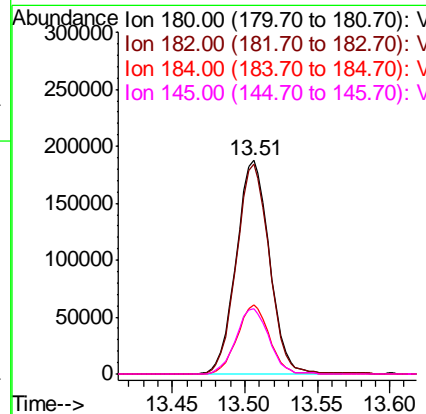
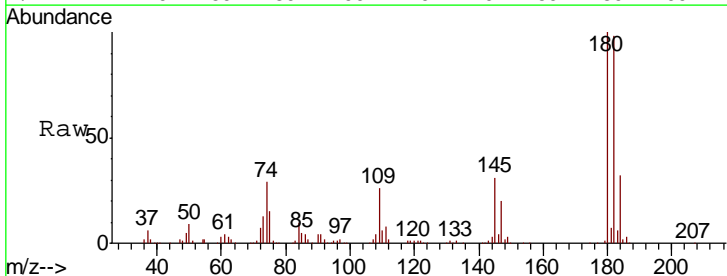
Instrument :
 MSVOA_U
 ClientSampled :

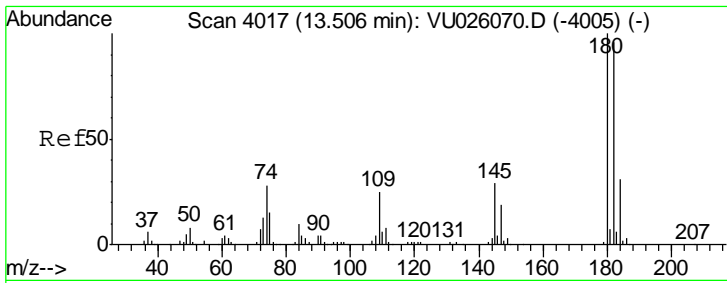
Tgt Ion	Resp	Lower	Upper
75	1127		
75	100		
155	0.0	71.8	107.8#
157	0.0	93.0	139.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 95.616 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

Tgt Ion	Resp	Lower	Upper
180	299105		
180	100		
182	97.2	76.5	114.7
184	31.0	24.3	36.5
145	30.5	23.5	35.3

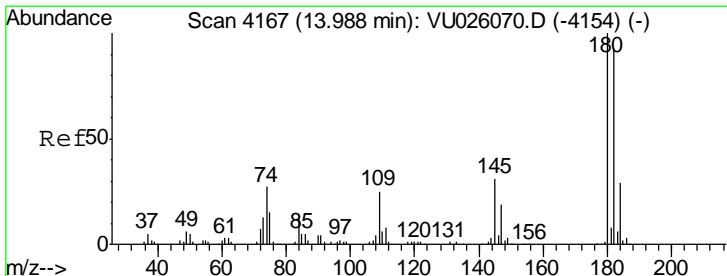
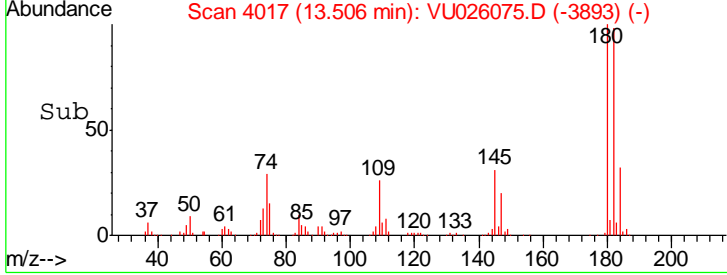
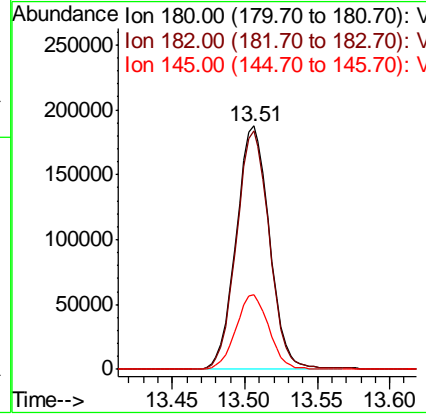
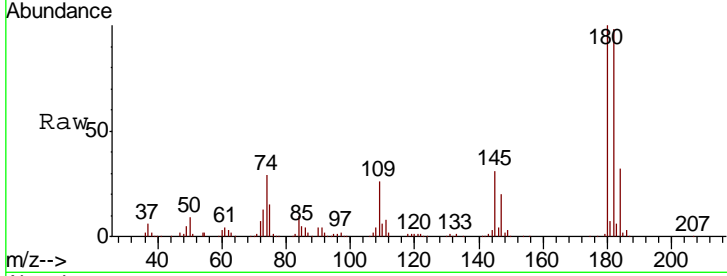




#68
 1,2,4-trichlorobenzene
 Concen: 113.068 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

Instrument :
 MSVOA_U
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
180	100		
182	97.2	76.5	114.7
145	30.5	24.2	36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 24.015 ug/L
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU026075.D
 Acq: 13 Aug 2018 18:15

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.4	76.5	114.7
145	31.9	24.7	37.1

