

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032497.D
 Acq On : 06 Jun 2019 15:16
 Operator : JC/SP
 Sample : K3224-01 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C57

Quant Time: Jun 07 05:43:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 04:06:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	211911	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	200402	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	108785	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42744	31.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.18%
7) Chloroethane-d5	1.68	69	39754	35.98	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.96%
11) 1,1-Dichloroethene-d2	2.27	63	70240	26.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.18%#
21) 2-Butanone-d5	4.17	46	107064	93.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.05%
24) Chloroform-d	4.64	84	107606	41.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.94%
26) 1,2-Dichloroethane-d4	5.31	65	74620	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
32) Benzene-d6	5.33	84	221948	42.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.32%
36) 1,2-Dichloropropane-d6	6.32	67	72743	44.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.18%
41) Toluene-d8	7.56	98	208938	42.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.70%
43) trans-1,3-Dichloropropene-	7.85	79	34760	44.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.04%
47) 2-Hexanone-d5	8.31	63	71549	90.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	109412	46.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.58%
64) 1,2-Dichlorobenzene-d4	11.85	152	96968	46.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.08%

Target Compounds

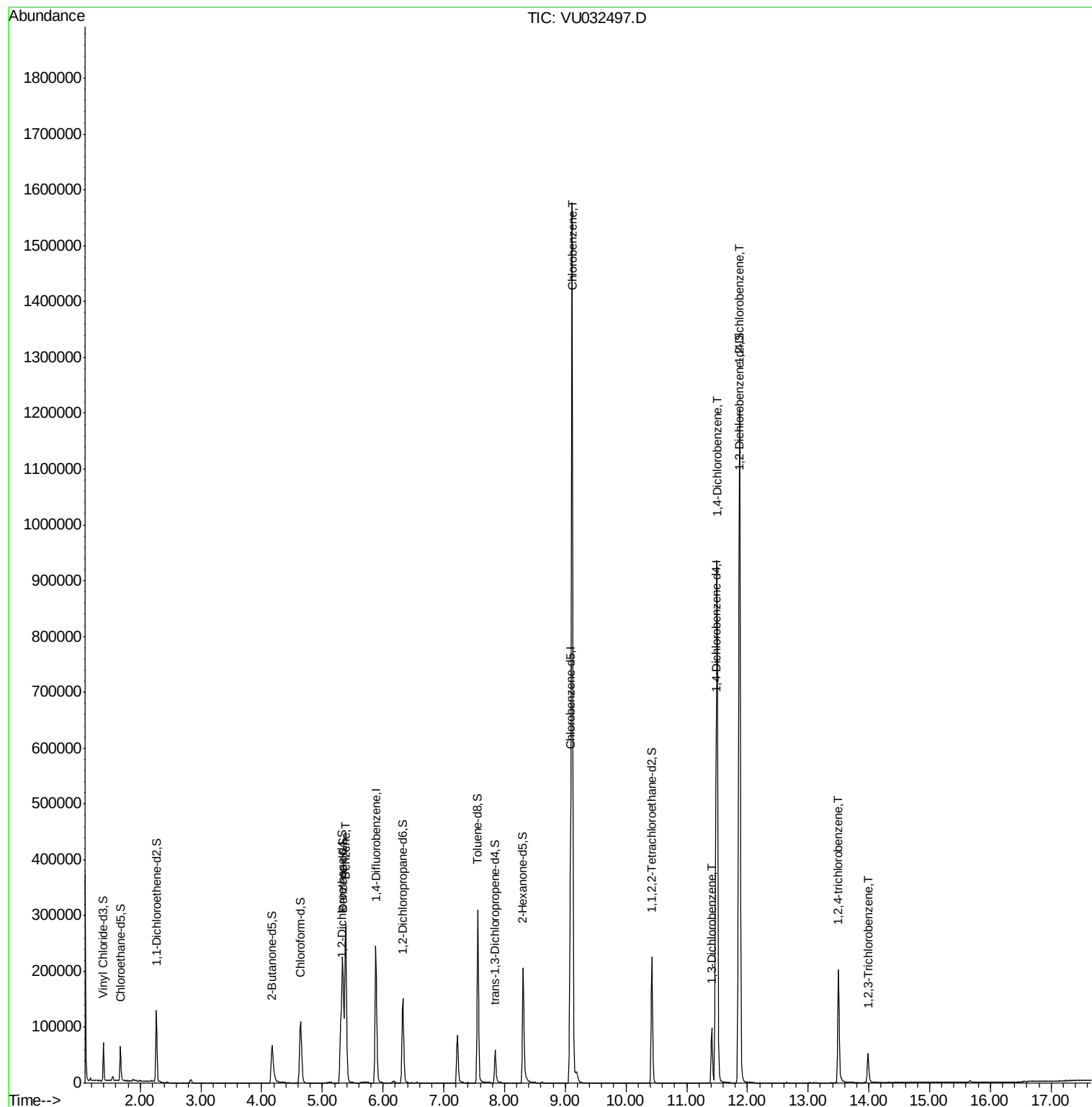
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
33) Benzene	5.38	78	277620	49.305	ug/L	100
51) Chlorobenzene	9.11	112	828118	208.443	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	42225	12.830	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	364383	108.294	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	464200	139.506	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	71299	32.867	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	19359	8.575	ug/L	96

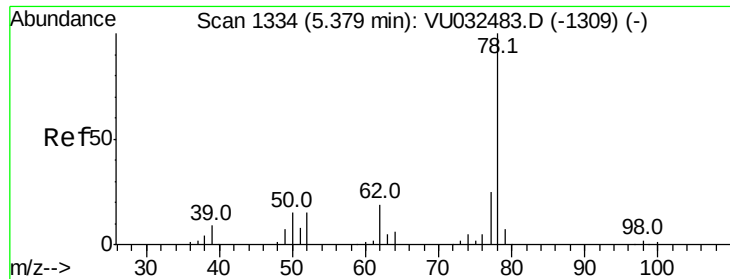
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 07 04:06:44 2019
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#33

Benzene

Concen: 49.305 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU032497.D

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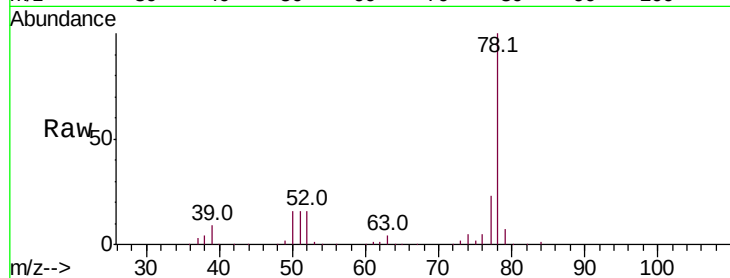
Instrument :

MSVOA_U

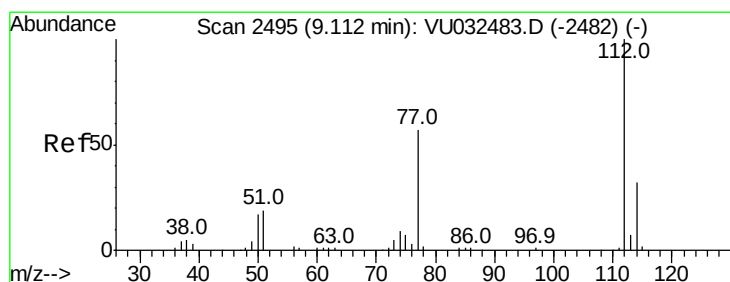
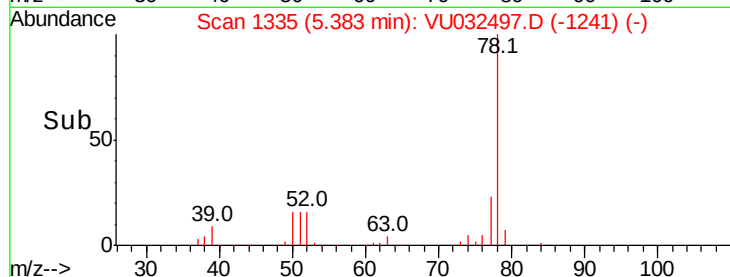
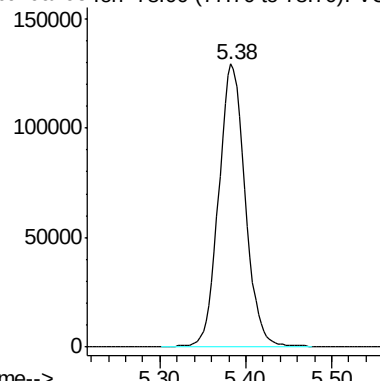
ClientSampleId :

C0C57

Tgt Ion: 78 Resp: 277620



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 208.443 ug/L

RT: 9.11 min Scan# 2495

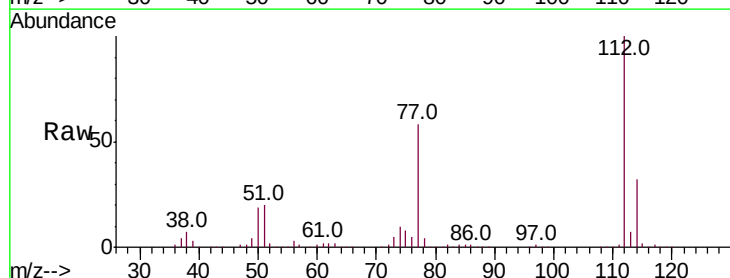
Delta R.T. 0.00 min

Lab File: VU032497.D

Acq: 06 Jun 2019 15:16

Tgt Ion: 112 Resp: 828118

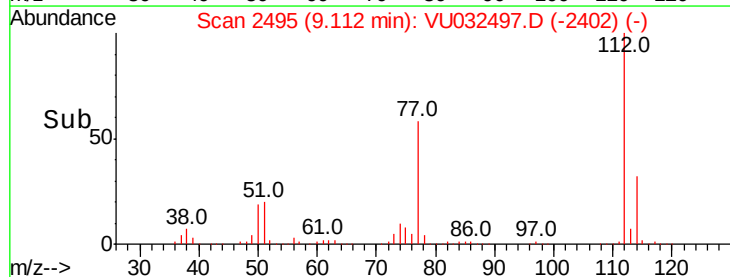
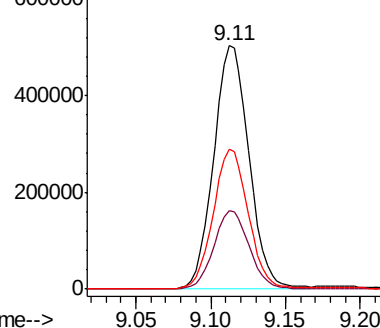
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.6	42.0
77	57.6	46.1	69.1

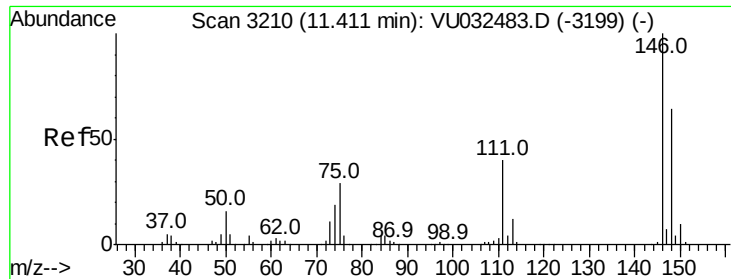


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

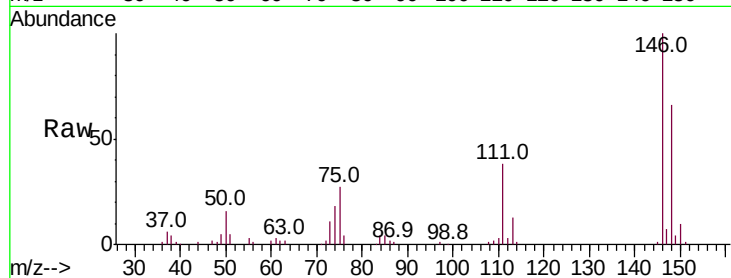




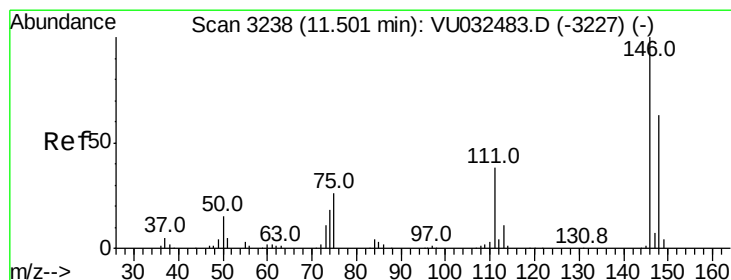
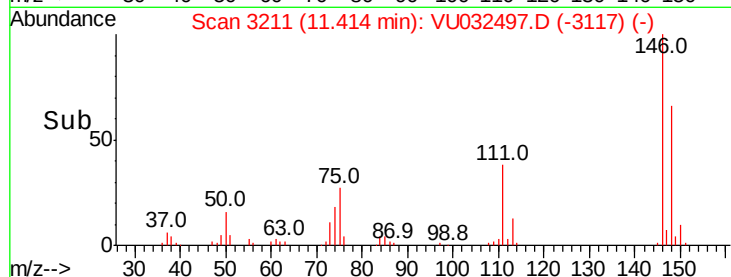
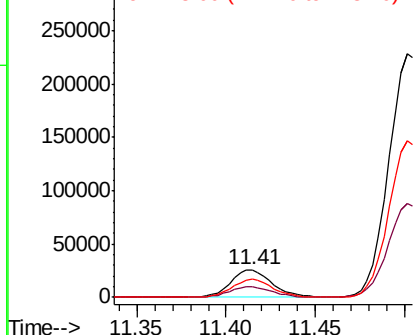
#62
 1,3-Dichlorobenzene
 Concen: 12.830 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU032497.D
 Acq: 06 Jun 2019 15:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C57

Tot Ion:146 Resp: 42225
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.3 50.7
 148 65.5 44.4 82.5

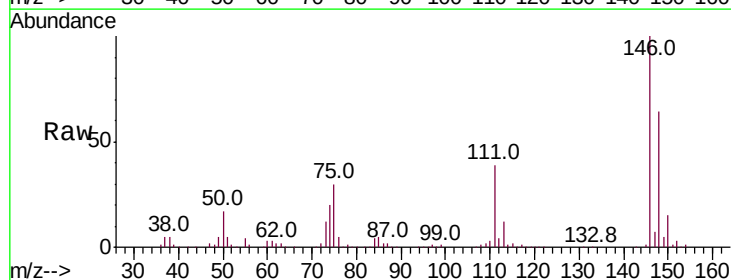


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

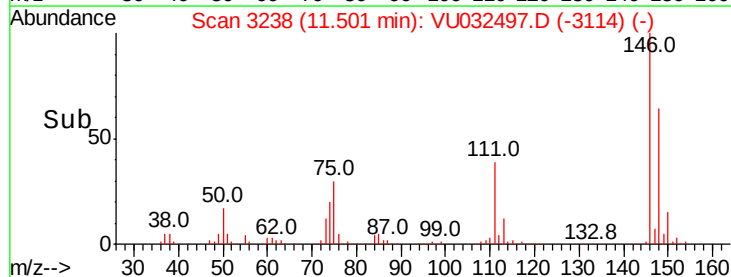
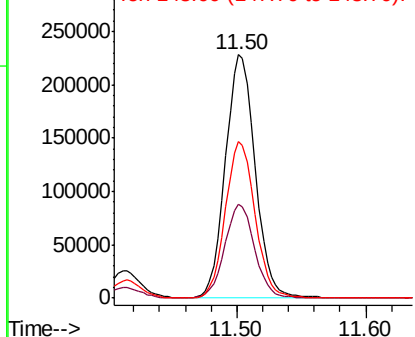


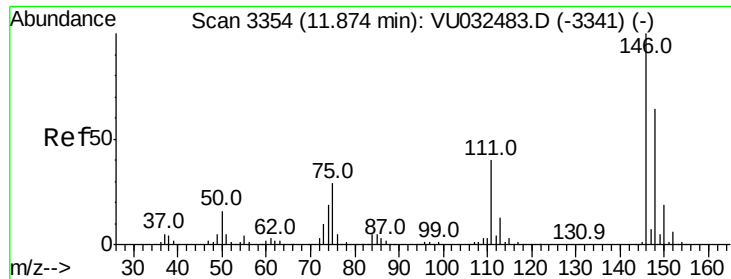
#63
 1,4-Dichlorobenzene
 Concen: 108.294 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032497.D
 Acq: 06 Jun 2019 15:16

Tgt Ion:146 Resp: 364383
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.6 49.4
 148 64.1 44.9 83.5



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

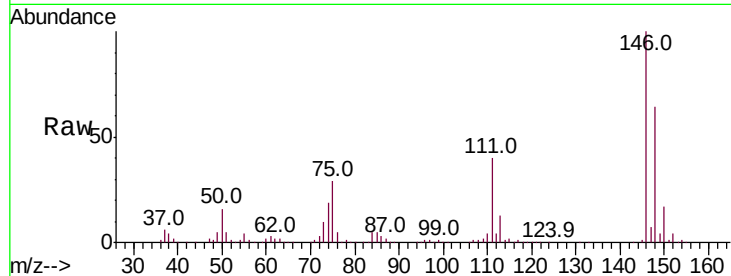




#65
 1,2-Dichlorobenzene
 Concen: 139.506 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032497.D
 Acq: 06 Jun 2019 15:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C57

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	32.6	48.8
148	63.9	50.5	75.7

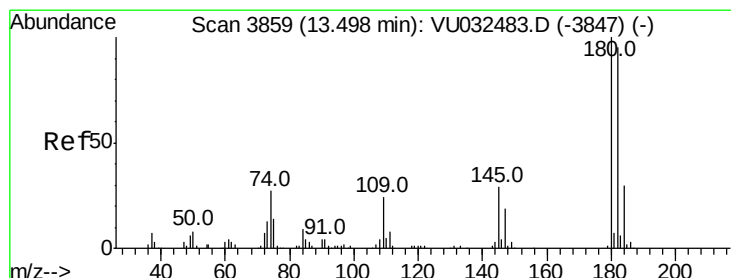
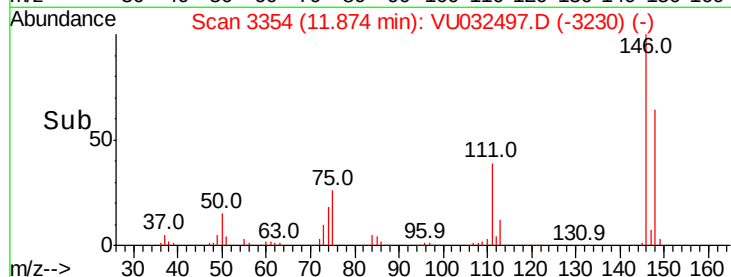
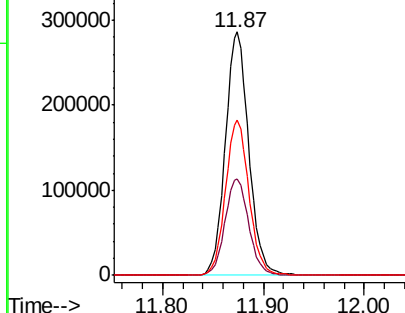


Abundance

Ion 146.00 (145.70 to 146.70): V

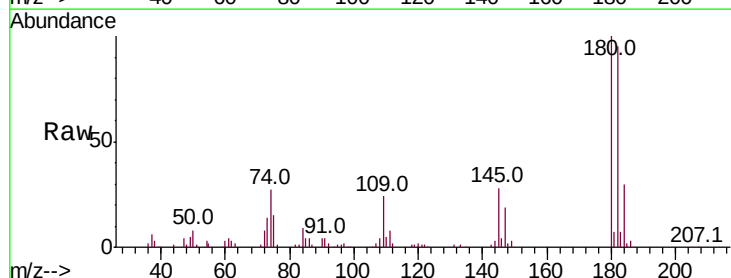
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 32.867 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032497.D
 Acq: 06 Jun 2019 15:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.5	114.7
145	29.2	23.8	35.6

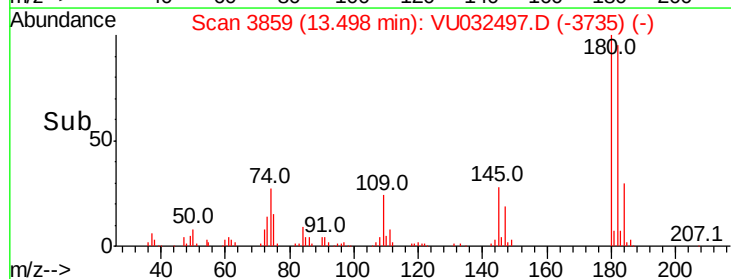
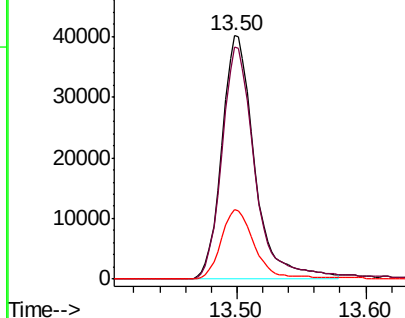


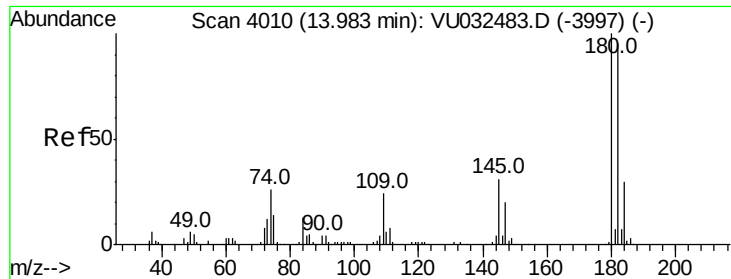
Abundance

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: 8.575 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU032497.D
 Acq: 06 Jun 2019 15:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C57

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.4	76.7	115.1
145	31.6	25.4	38.2

