

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032119\
 Data File : VU030276.D
 Acq On : 21 Mar 2019 19:21
 Operator : JC/SP
 Sample : K1967-17DL 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0966DL

Quant Time: Mar 22 13:21:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 05:14:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	544343	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	532778	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	257387	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	175696	47.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.46%
7) Chloroethane-d5	1.68	69	144001	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.86%
11) 1,1-Dichloroethene-d2	2.27	63	237865	35.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.84%
21) 2-Butanone-d5	4.17	46	250527	91.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.75%
24) Chloroform-d	4.65	84	305018	45.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.30%
26) 1,2-Dichloroethane-d4	5.31	65	179342	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.10%
32) Benzene-d6	5.34	84	669882	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
36) 1,2-Dichloropropane-d6	6.33	67	206678	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.16%
41) Toluene-d8	7.56	98	610893	46.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.56%
43) trans-1,3-Dichloropropene-	7.85	79	92419	43.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.38%
47) 2-Hexanone-d5	8.31	63	199916	88.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	297287	44.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	247329	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%

Target Compounds

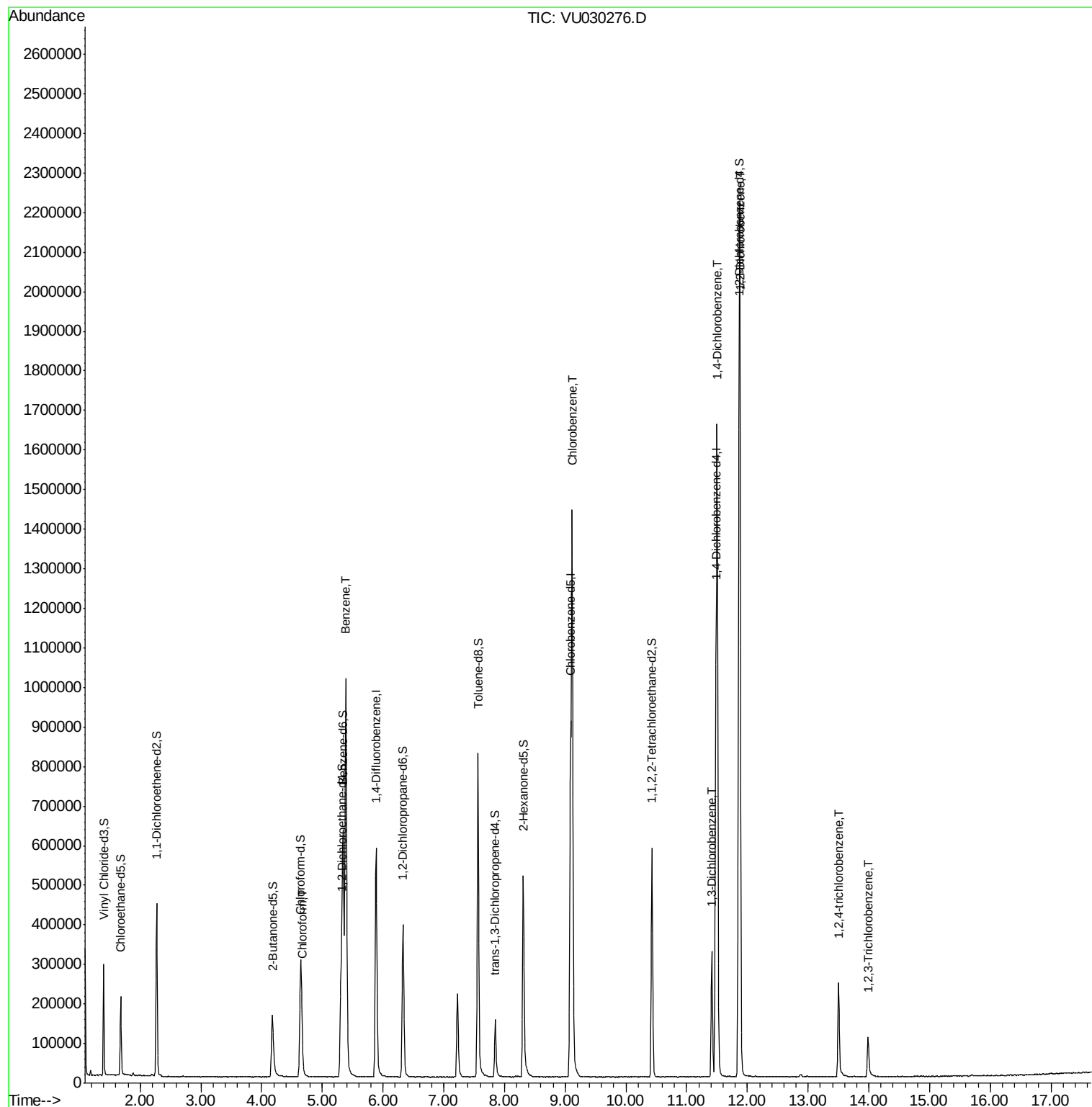
					Ovalue
25) Chloroform	4.67	83	26734	3.898	ug/L 96
33) Benzene	5.39	78	1073447	69.834	ug/L 100
51) Chlorobenzene	9.12	112	842378	76.103	ug/L 100
62) 1,3-Dichlorobenzene	11.41	146	142922	17.404	ug/L 98
63) 1,4-Dichlorobenzene	11.50	146	697473	81.883	ug/L 99
65) 1,2-Dichlorobenzene	11.87	146	905113	107.880	ug/L 100
68) 1,2,4-trichlorobenzene	13.50	180	87933	15.494	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	40602	6.856	ug/L 96

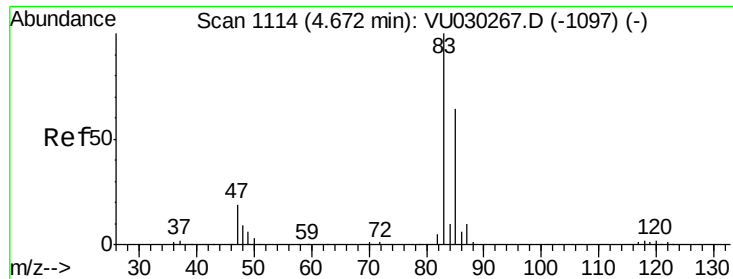
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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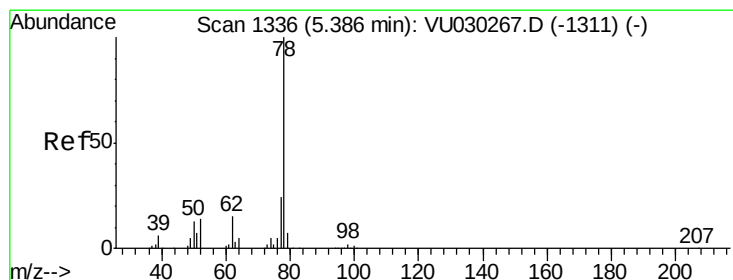
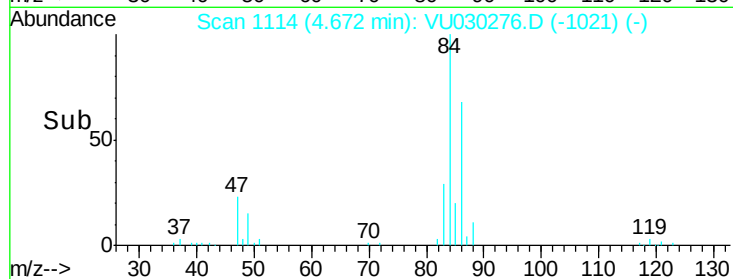
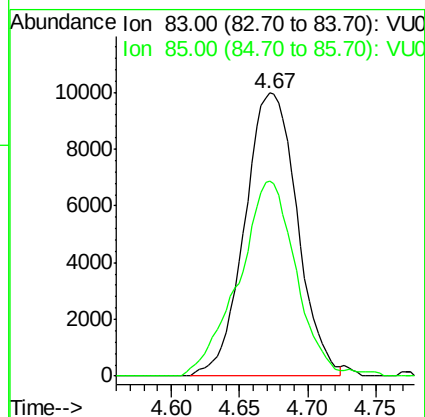
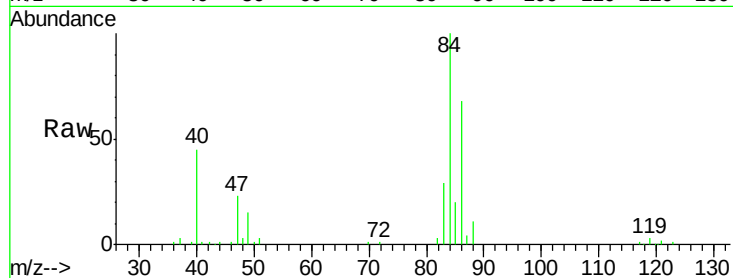




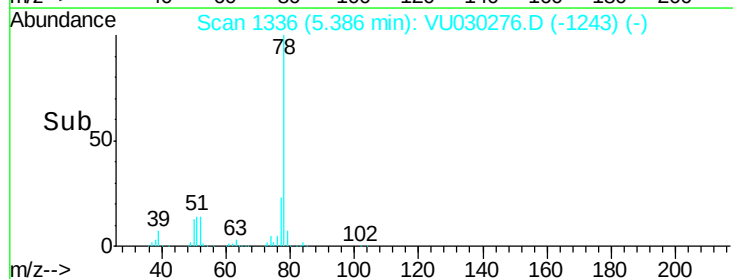
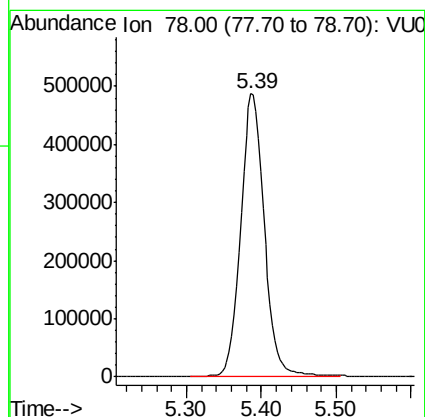
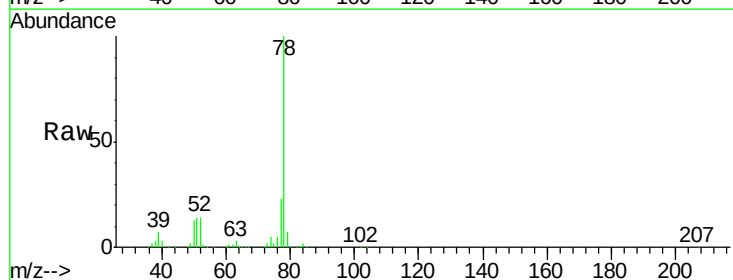
#25
Chloroform
Concen: 3.898 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030276.D
Acq: 21 Mar 2019 19:21

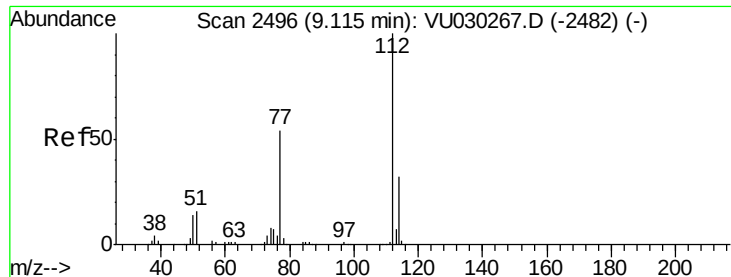
Instrument :
MSVOA_U
ClientSampleId :
C0966DL

Tot Ion: 83 Resp: 26734
Ion Ratio Lower Upper
83 100
85 69.0 45.8 85.2



#33
Benzene
Concen: 69.834 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU030276.D
Acq: 21 Mar 2019 19:21
Tgt Ion: 78 Resp: 1073447





#51

Chlorobenzene

Concen: 76.103 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU030276.D

Acq: 21 Mar 2019 19:21

Instrument :

MSVOA_U

ClientSampleId :

C0966DL

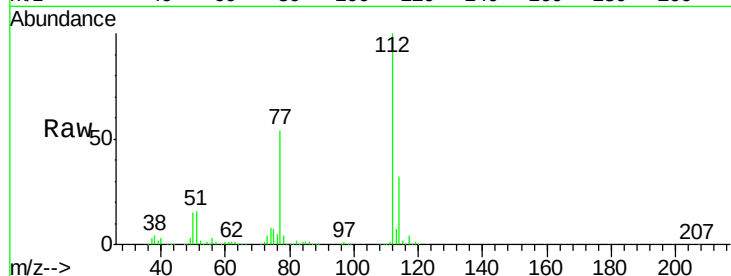
Tot Ion:112 Resp: 842378

Ion Ratio Lower Upper

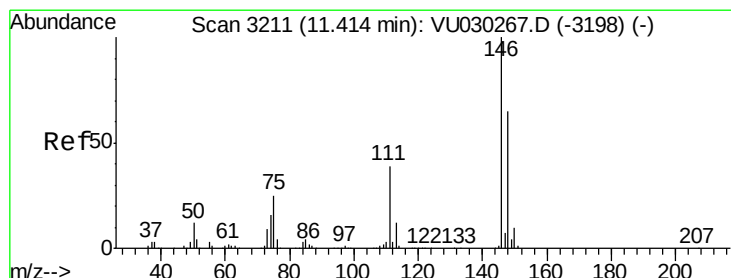
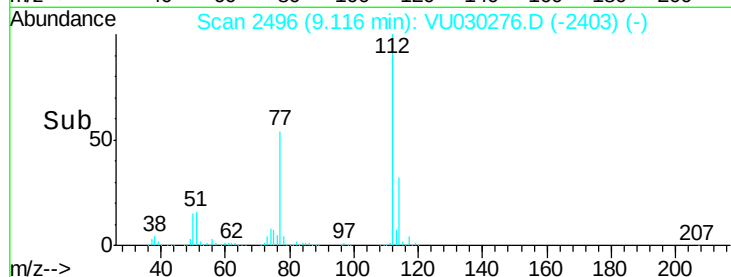
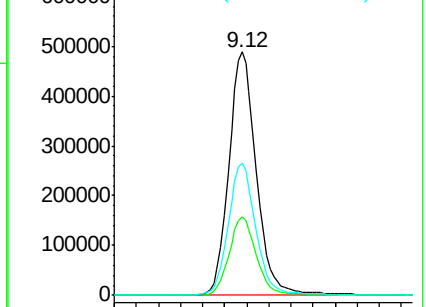
112 100

114 32.1 22.5 41.7

77 54.4 43.4 65.0



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): V



#62

1,3-Dichlorobenzene

Concen: 17.404 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030276.D

Acq: 21 Mar 2019 19:21

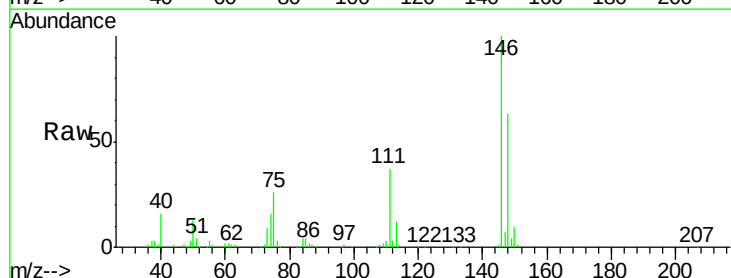
Tgt Ion:146 Resp: 142922

Ion Ratio Lower Upper

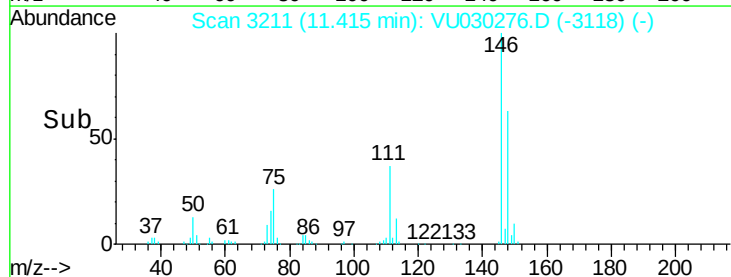
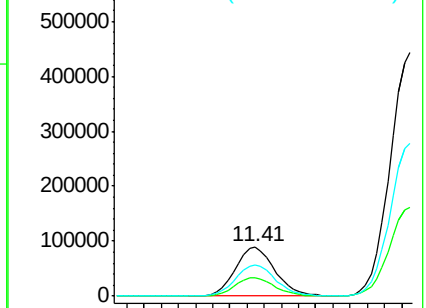
146 100

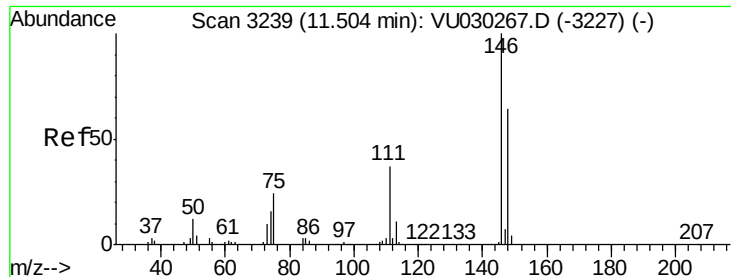
111 36.5 27.2 50.4

148 63.4 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

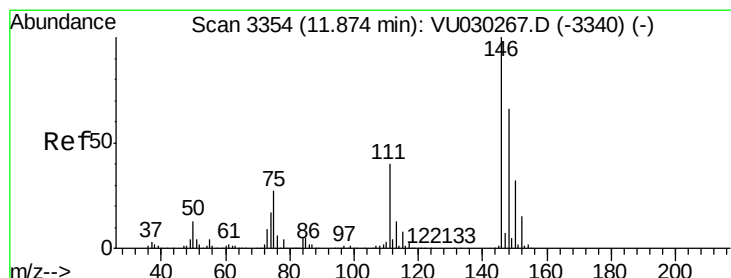
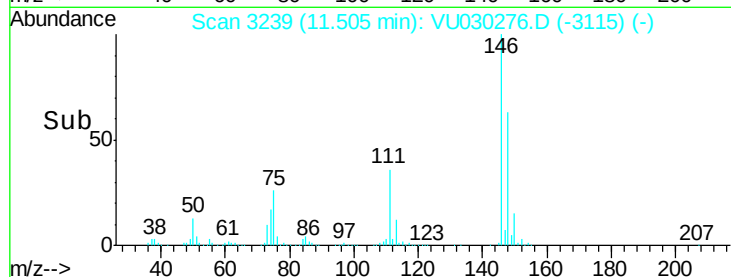
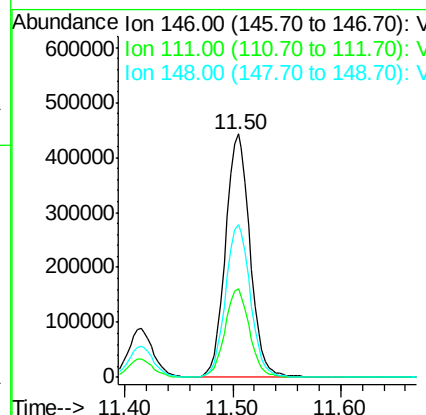
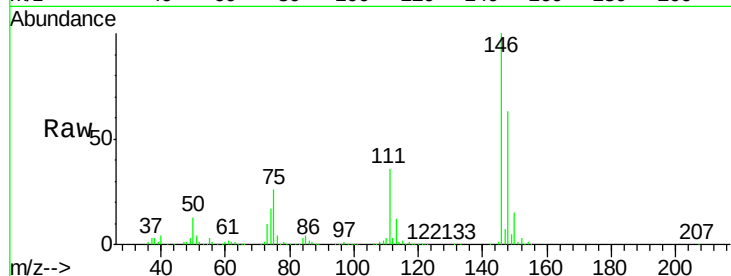




#63
1,4-Dichlorobenzene
Concen: 81.883 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030276.D
Acq: 21 Mar 2019 19:21

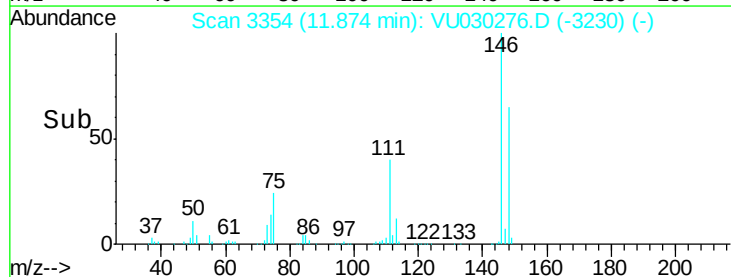
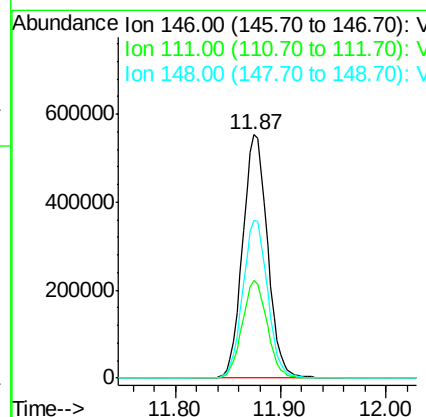
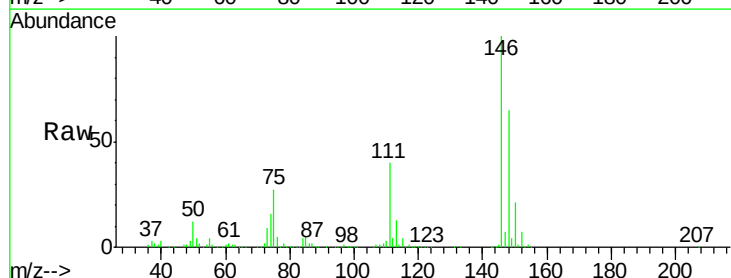
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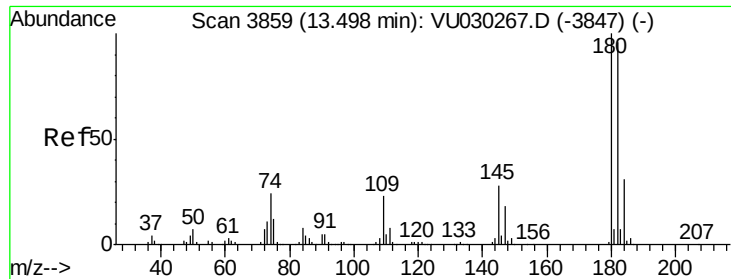
Tot Ion:146 Resp: 697473
Ion Ratio Lower Upper
146 100
111 36.2 25.3 46.9
148 63.0 44.7 82.9



#65
1,2-Dichlorobenzene
Concen: 107.880 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU030276.D
Acq: 21 Mar 2019 19:21

Tgt Ion:146 Resp: 905113
Ion Ratio Lower Upper
146 100
111 40.0 31.7 47.5
148 65.1 52.0 78.0

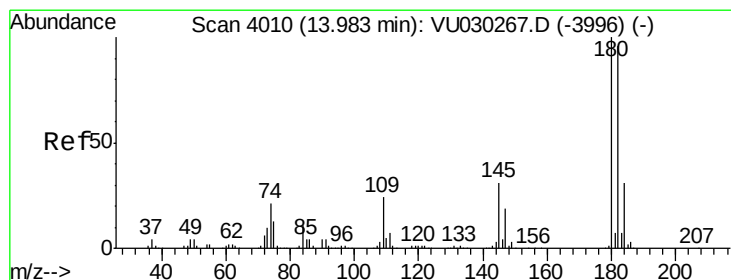
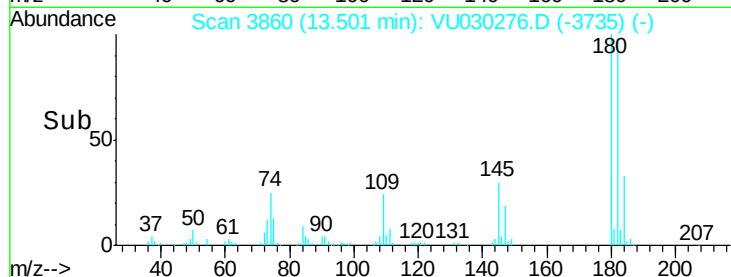
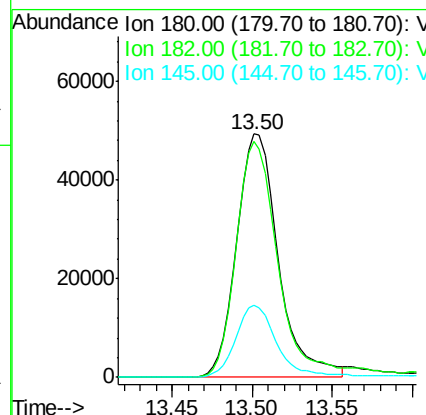
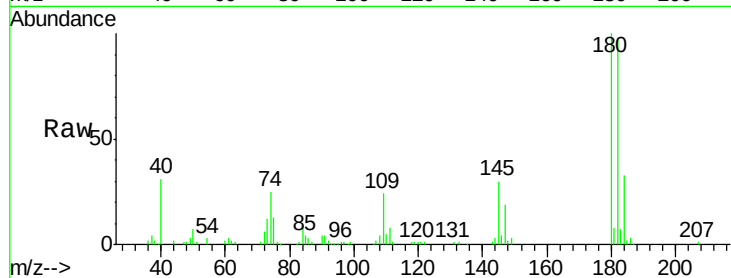




#68
 1,2,4-trichlorobenzene
 Concen: 15.494 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030276.D
 Acq: 21 Mar 2019 19:21

Instrument :
 MSVOA_U
 ClientSampleId :
 C0966DL

Tot Ion:180 Resp: 87933
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.4 114.6
 145 29.2 22.7 34.1



#70
 1,2,3-Trichlorobenzene
 Concen: 6.856 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030276.D
 Acq: 21 Mar 2019 19:21

Tgt Ion:180 Resp: 40602
 Ion Ratio Lower Upper
 180 100
 182 98.3 75.9 113.9
 145 32.1 24.1 36.1

