

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032119\
 Data File : VU030277.D
 Acq On : 21 Mar 2019 19:44
 Operator : JC/SP
 Sample : K2022-08DL 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C8DL

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 1:34:06 PM

Quant Time: Mar 22 13:27:29 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	525501	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	524655	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	254481	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	174450	49.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.18%
7) Chloroethane-d5	1.68	69	137908	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.08%
11) 1,1-Dichloroethene-d2	2.27	63	228796	35.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.58%
21) 2-Butanone-d5	4.18	46	240950	91.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.40%
24) Chloroform-d	4.65	84	293907	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.14%
26) 1,2-Dichloroethane-d4	5.31	65	171612	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.28%
32) Benzene-d6	5.34	84	645855	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
36) 1,2-Dichloropropane-d6	6.33	67	200220	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.60%
41) Toluene-d8	7.56	98	580402	44.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.30%
43) trans-1,3-Dichloropropene-	7.85	79	87326	41.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.84%
47) 2-Hexanone-d5	8.31	63	194738	87.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	287099	43.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.50%
64) 1,2-Dichlorobenzene-d4	11.85	152	244104m	47.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.56%

Target Compounds

					Ovalue
51) Chlorobenzene	9.12	112	771856	70.811	ug/L 100
62) 1,3-Dichlorobenzene	11.41	146	105588	13.005	ug/L 99
63) 1,4-Dichlorobenzene	11.50	146	722863	85.833	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	1891269	227.994	ug/L 99
68) 1,2,4-trichlorobenzene	13.50	180	510296	90.940	ug/L 99
70) 1,2,3-Trichlorobenzene	13.98	180	70289	12.005	ug/L 99

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

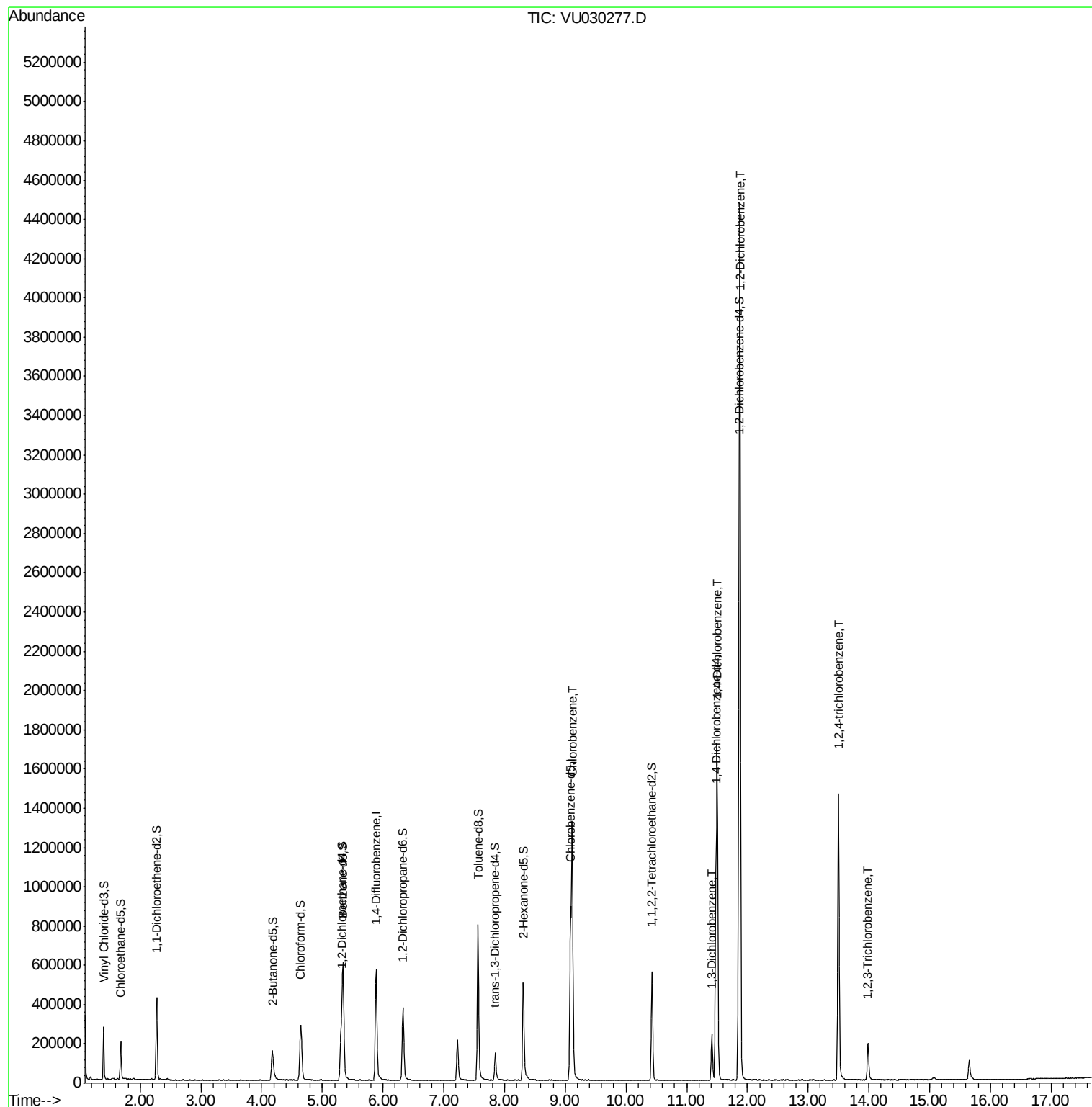
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032119\
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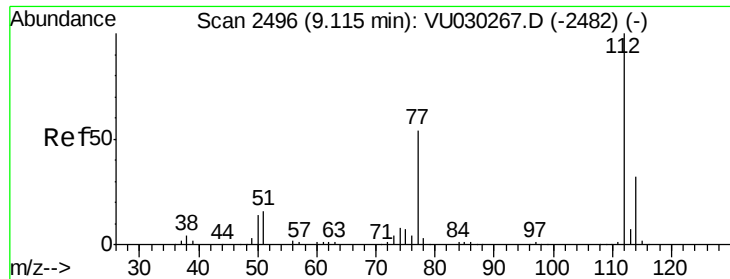
Instrument :
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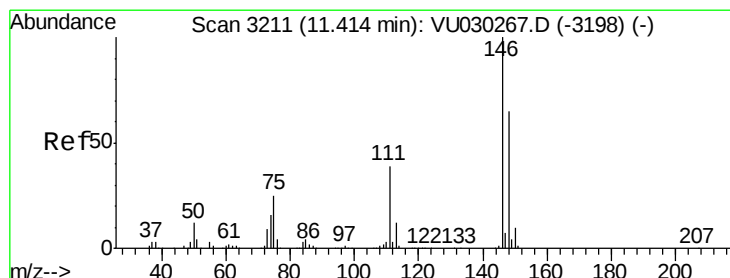
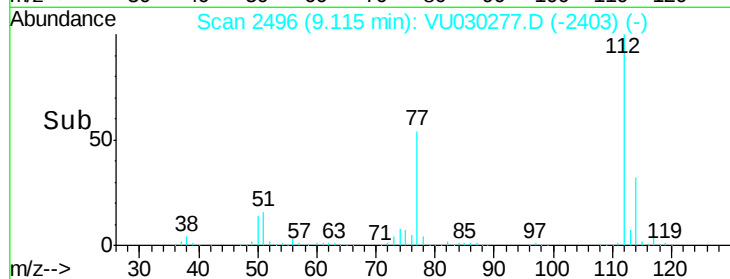
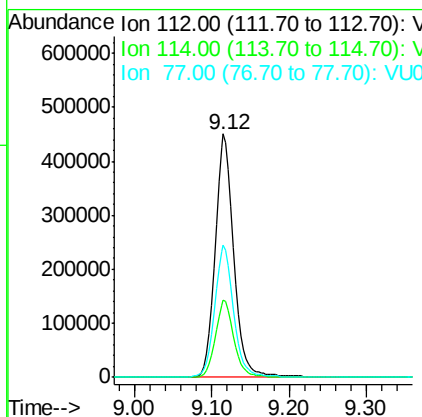
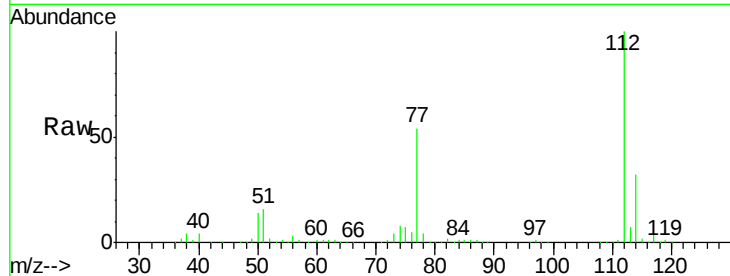
#51
Chlorobenzene
Concen: 70.811 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030277.D
Acq: 21 Mar 2019 19:44

Instrument :
MSVOA_U
ClientSampleId :
C09C8DL

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.5	41.7
77	54.1	43.4	65.0

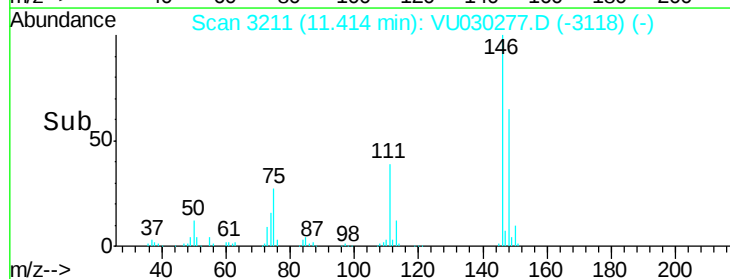
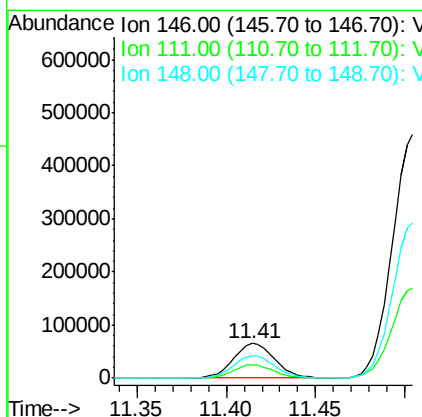
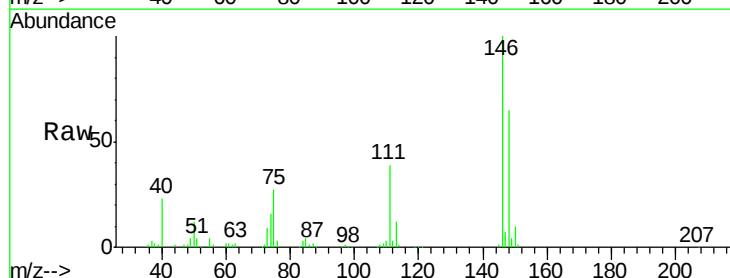
Manual Integrations
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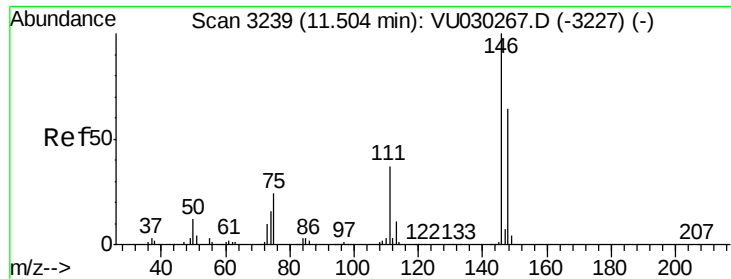
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#62
1,3-Dichlorobenzene
Concen: 13.005 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU030277.D
Acq: 21 Mar 2019 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.2	50.4
148	64.9	44.4	82.5





#63

1,4-Dichlorobenzene

Concen: 85.833 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030277.D

Acq: 21 Mar 2019 19:44

Instrument :

MSVOA_U

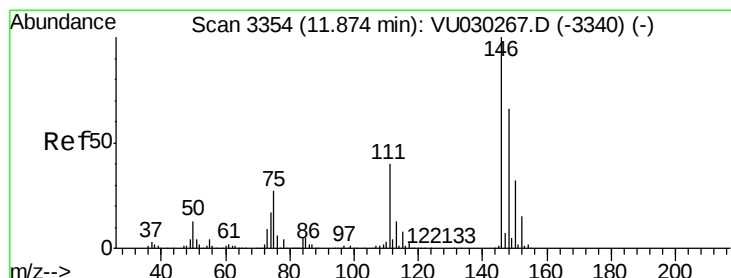
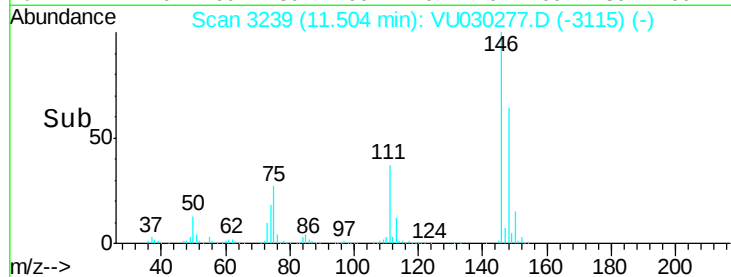
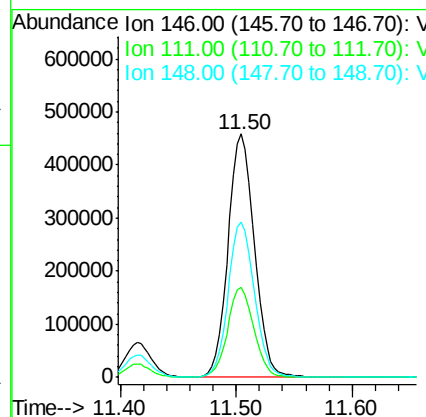
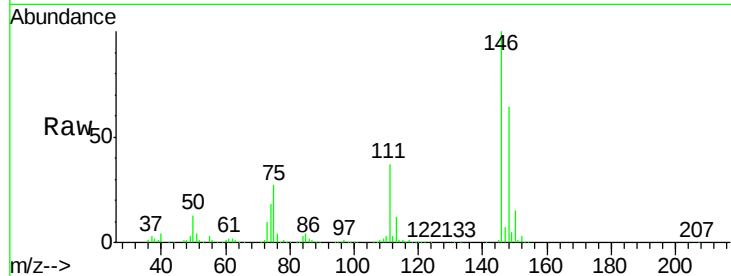
ClientSampleId :

C09C8DL

Tot Ion:	146	Resp:	722863
Ion Ratio	Lower	Upper	
146	100		
111	36.7	25.3	46.9
148	64.0	44.7	82.9

Manual Integrations
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#65

1,2-Dichlorobenzene

Concen: 227.994 ug/L

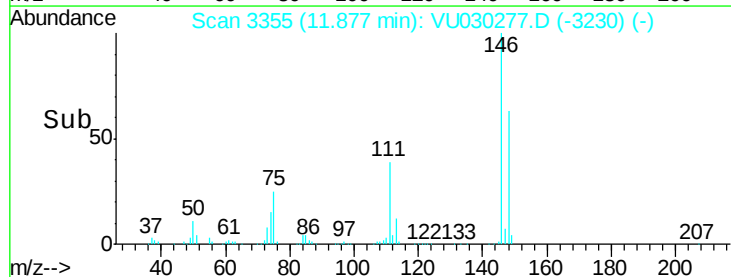
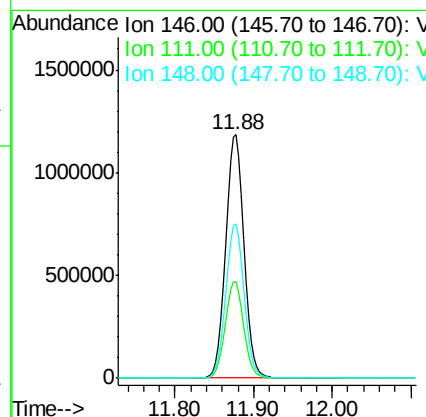
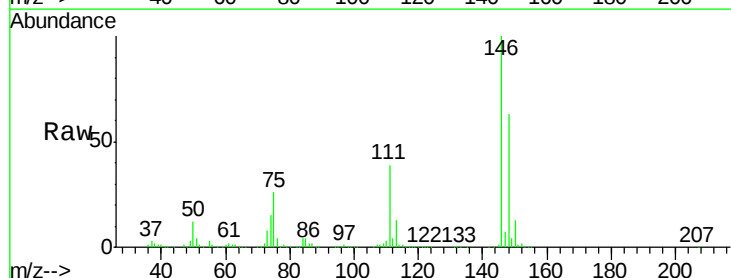
RT: 11.88 min Scan# 3355

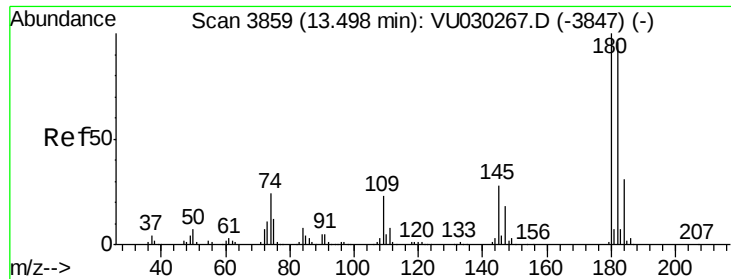
Delta R.T. 0.00 min

Lab File: VU030277.D

Acq: 21 Mar 2019 19:44

Tgt Ion:	146	Resp:	1891269
Ion Ratio	Lower	Upper	
146	100		
111	39.4	31.7	47.5
148	63.5	52.0	78.0





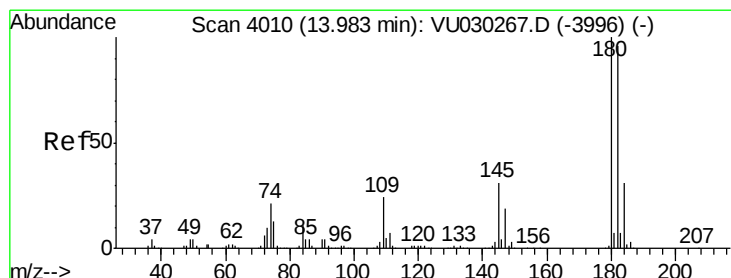
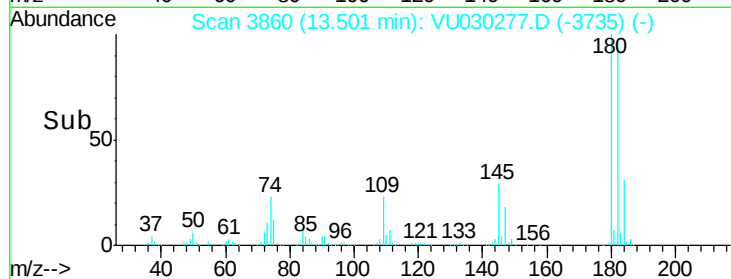
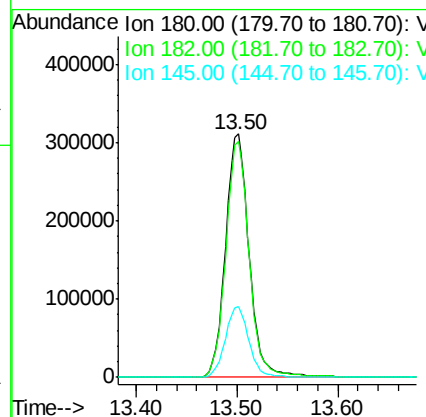
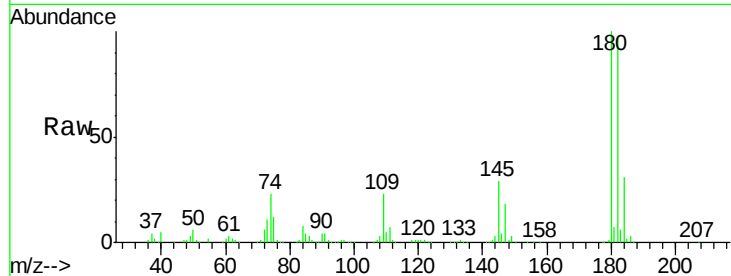
#68
 1,2,4-trichlorobenzene
 Concen: 90.940 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030277.D
 Acq: 21 Mar 2019 19:44

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C8DL

Tot Ion	Ratio	Resp	Lower	Upper
180	100	510296		
182	96.6	76.4	114.6	
145	29.0	22.7	34.1	

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#70
 1,2,3-Trichlorobenzene
 Concen: 12.005 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU030277.D
 Acq: 21 Mar 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	70289		
182	96.1	75.9	113.9	
145	30.3	24.1	36.1	

