

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010719\
 Data File : VU029064.D
 Acq On : 07 Jan 2019 17:52
 Operator : MD/SY
 Sample : K1048-05DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0950DL

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:17:29 AM

Quant Time: Jan 08 03:44:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 08 03:12:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	186219	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	176822	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74962	50.00	ug/L	0.00

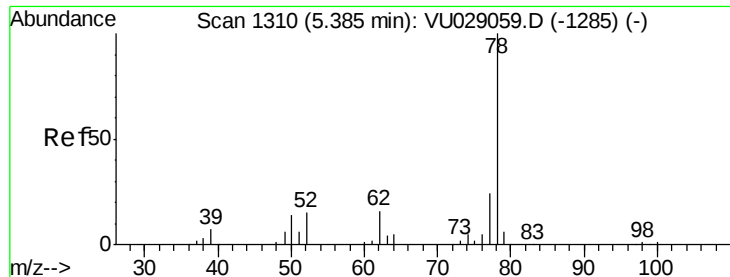
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69272	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.80%
7) Chloroethane-d5	1.67	69	54178	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.96%
11) 1,1-Dichloroethene-d2	2.27	63	88442	35.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.46%
21) 2-Butanone-d5	4.17	46	106274	101.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.60%
24) Chloroform-d	4.65	84	114176	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
26) 1,2-Dichloroethane-d4	5.30	65	72610	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
32) Benzene-d6	5.34	84	246644	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
36) 1,2-Dichloropropane-d6	6.33	67	84495	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.58%
41) Toluene-d8	7.56	98	215910	47.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.38%
43) trans-1,3-Dichloropropene-	7.85	79	36091	47.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.92%
47) 2-Hexanone-d5	8.31	63	76031	94.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.33%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114551	48.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	78808	51.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.96%

Target Compounds

					Ovalue
33) Benzene	5.39	78	116313	20.662	ug/L 100
51) Chlorobenzene	9.12	112	468777	130.346	ug/L 100
62) 1,3-Dichlorobenzene	11.42	146	17438	7.323	ug/L 97
63) 1,4-Dichlorobenzene	11.50	146	147442	60.097	ug/L 99
65) 1,2-Dichlorobenzene	11.88	146	203001	81.722	ug/L 98
68) 1,2,4-trichlorobenzene	13.50	180	19423m	13.211	ug/L
70) 1,2,3-Trichlorobenzene	13.99	180	5600	3.532	ug/L 95

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



#33

Benzene

Concen: 20.662 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU029064.D

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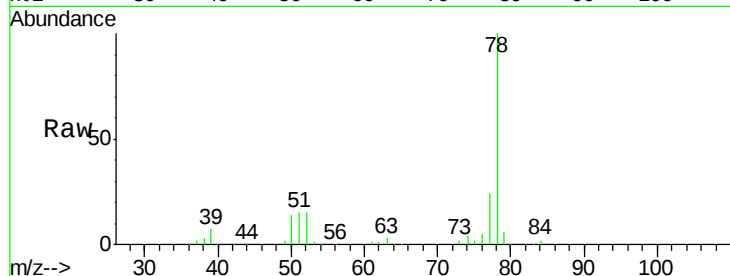
ClientSampleId :

C0950DL

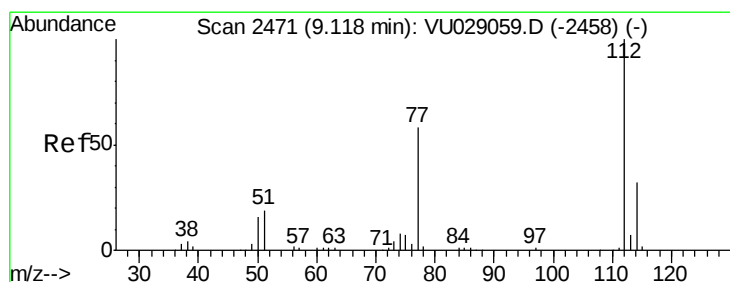
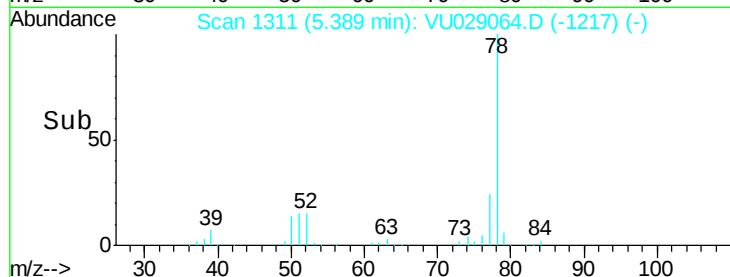
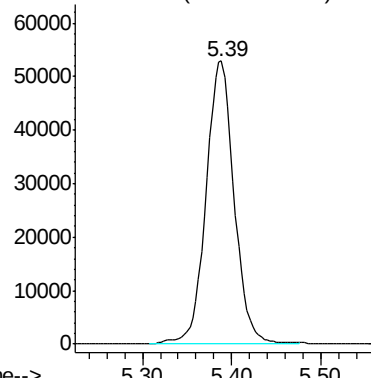
Tgt Ion: 78 Resp: 116313

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 130.346 ug/L

RT: 9.12 min Scan# 2470

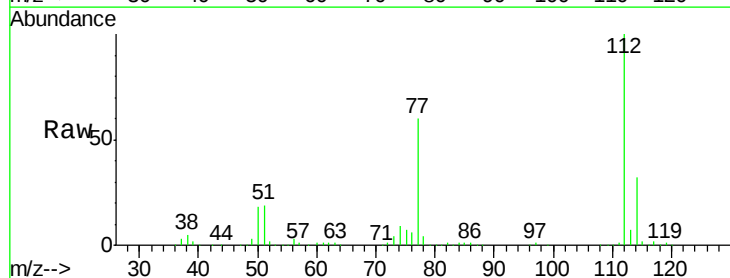
Delta R.T. -0.00 min

Lab File: VU029064.D

Acq: 07 Jan 2019 17:52

Tgt Ion: 112 Resp: 468777

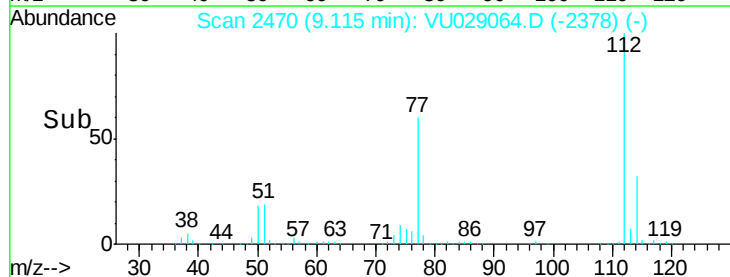
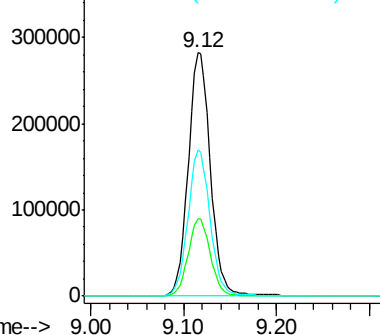
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	60.1	47.8	71.8

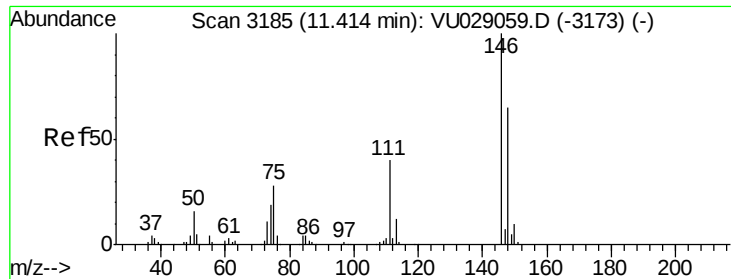


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 7.323 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU029064.D

Acq: 07 Jan 2019 17:52

Instrument :

MSVOA_U

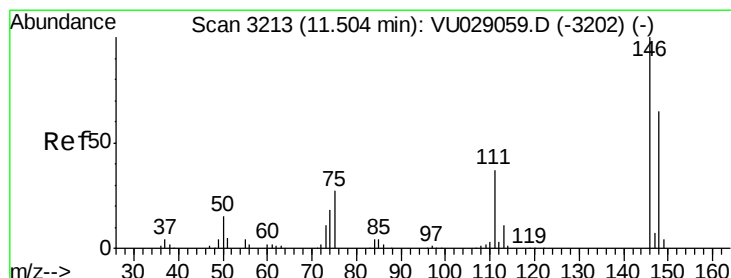
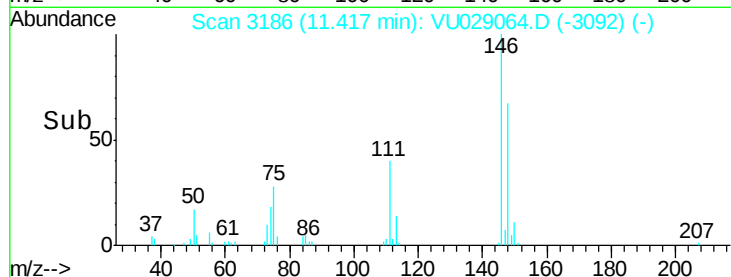
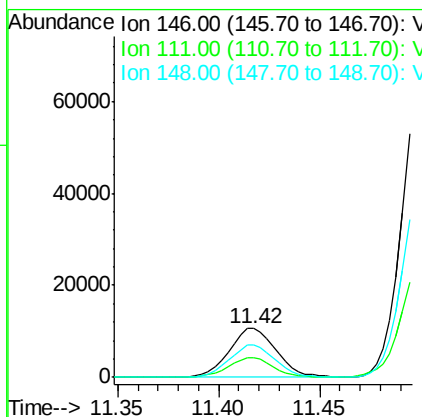
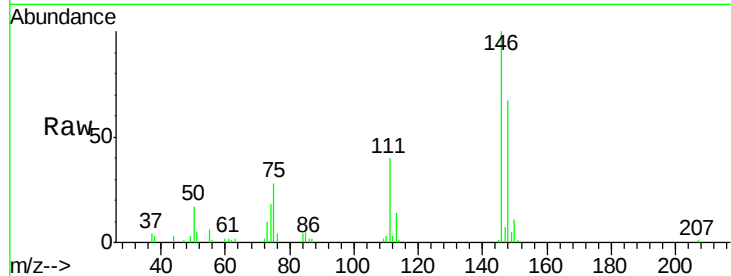
ClientSampled :

C0950DL

Tot Ion:	146	Resp:	17438
Ion	Ratio	Lower	Upper
146	100		
111	39.8	27.4	50.8
148	66.7	44.2	82.2

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#63

1,4-Dichlorobenzene

Concen: 60.097 ug/L

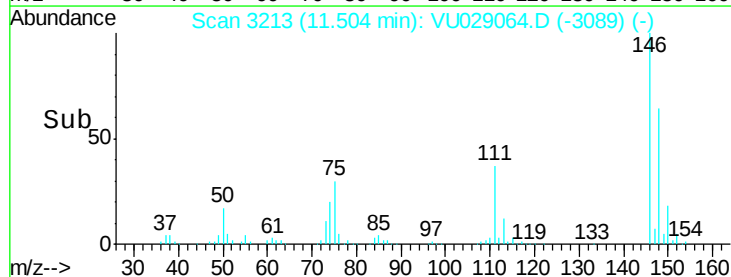
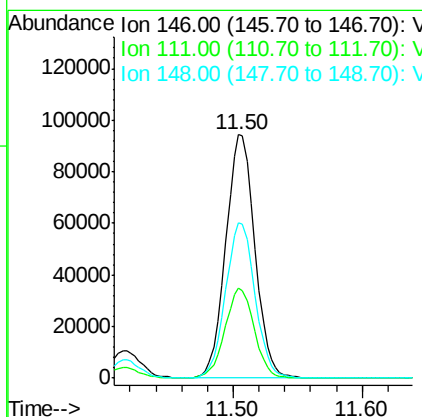
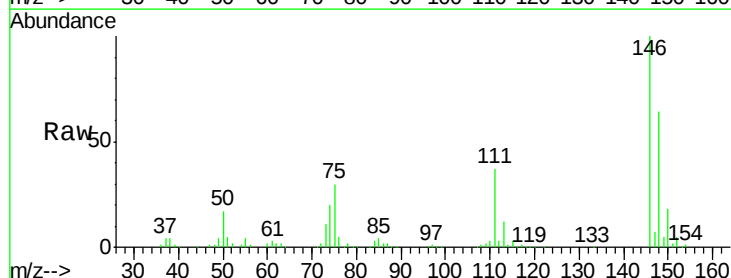
RT: 11.50 min Scan# 3213

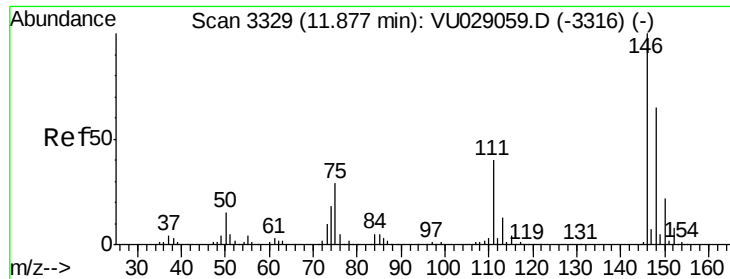
Delta R.T. 0.00 min

Lab File: VU029064.D

Acq: 07 Jan 2019 17:52

Tgt Ion:	146	Resp:	147442
Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.5	49.1
148	63.8	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 81.722 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029064.D

Acq: 07 Jan 2019 17:52

Instrument :

MSVOA_U

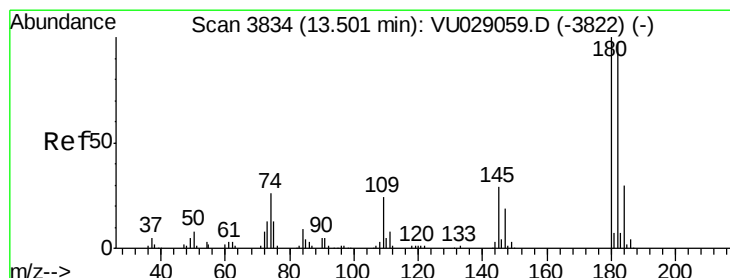
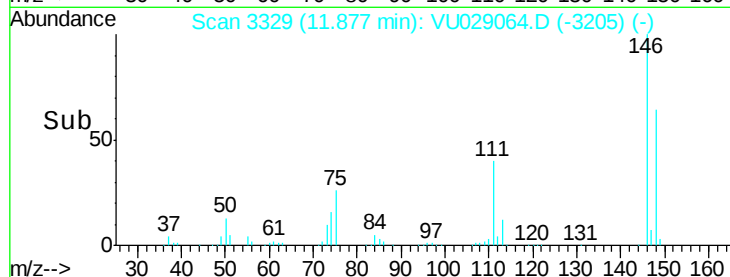
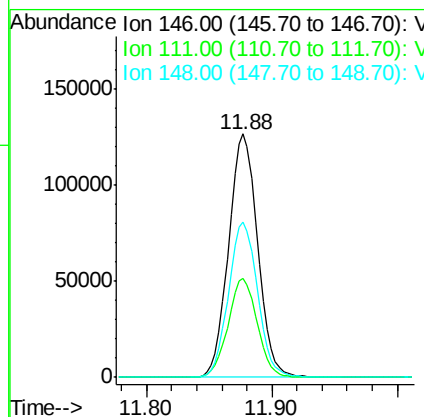
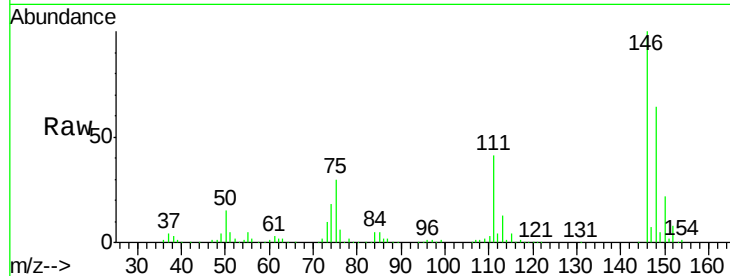
ClientSampleId :

C0950DL

Tot Ion:	146	Resp:	203001
Ion Ratio	Lower	Upper	
146	100		
111	40.7	32.1	48.1
148	63.8	49.7	74.5

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#68

1,2,4-trichlorobenzene

Concen: 13.211 ug/L m

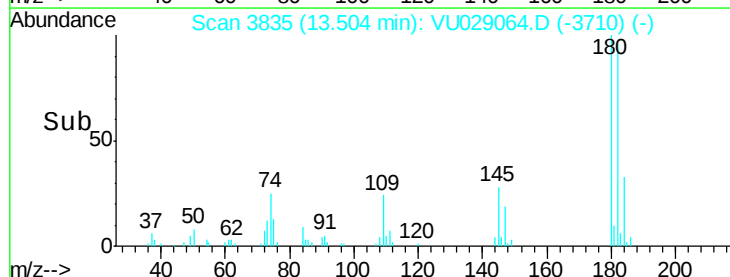
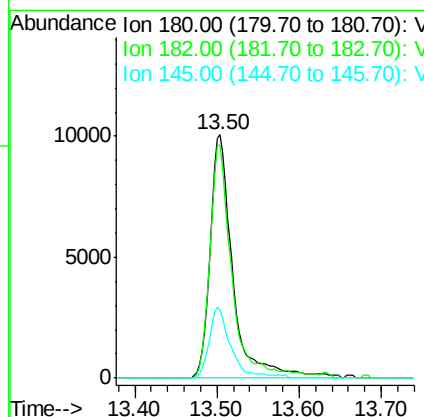
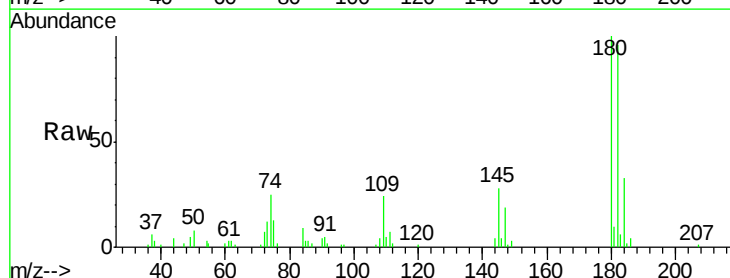
RT: 13.50 min Scan# 3835

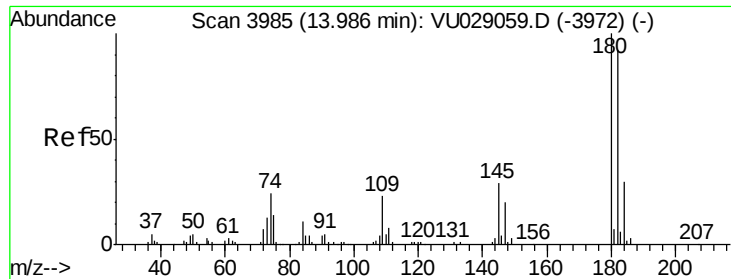
Delta R.T. 0.00 min

Lab File: VU029064.D

Acq: 07 Jan 2019 17:52

Tgt Ion:	180	Resp:	19423
Ion Ratio	Lower	Upper	
180	100		
182	85.7	77.4	116.0
145	26.3	23.5	35.3





#70
 1,2,3-Trichlorobenzene
 Concen: 3.532 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU029064.D
 Acq: 07 Jan 2019 17:52

Instrument :
 MSVOA_U
 ClientSampleId :
 C0950DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.2	75.8	113.8
145	30.4	24.5	36.7

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