

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030453.D
 Acq On : 26 Mar 2019 19:05
 Operator : JC/SP
 Sample : K2022-15 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D9

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:55:55 AM

Quant Time: Mar 27 07:02:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 06:00:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	461229	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	445003	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	208604	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	171994	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.68%
7) Chloroethane-d5	1.67	69	144579	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.28%
11) 1,1-Dichloroethene-d2	2.27	63	247134	35.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.20%
21) 2-Butanone-d5	4.17	46	352812	101.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.11%
24) Chloroform-d	4.64	84	310707	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.16%
26) 1,2-Dichloroethane-d4	5.31	65	209198	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.98%
32) Benzene-d6	5.34	84	627960	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.42%
36) 1,2-Dichloropropane-d6	6.33	67	219673	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.62%
41) Toluene-d8	7.56	98	540059	47.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.24%
43) trans-1,3-Dichloropropene-	7.85	79	97373	47.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.86%
47) 2-Hexanone-d5	8.31	63	224058	94.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303177	48.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	204414m	48.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.82%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.67	83	43156	6.390	ug/L	97
31) Carbon tetrachloride	5.13	117	15049	3.258	ug/L	97
33) Benzene	5.39	78	3793475	250.422	ug/L	100
51) Chlorobenzene	9.12	112	10241018	1074.815	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	268052	39.293	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	2649668	377.285	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	3239991	469.698	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	252327	56.864	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	71725	15.307	ug/L	99

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

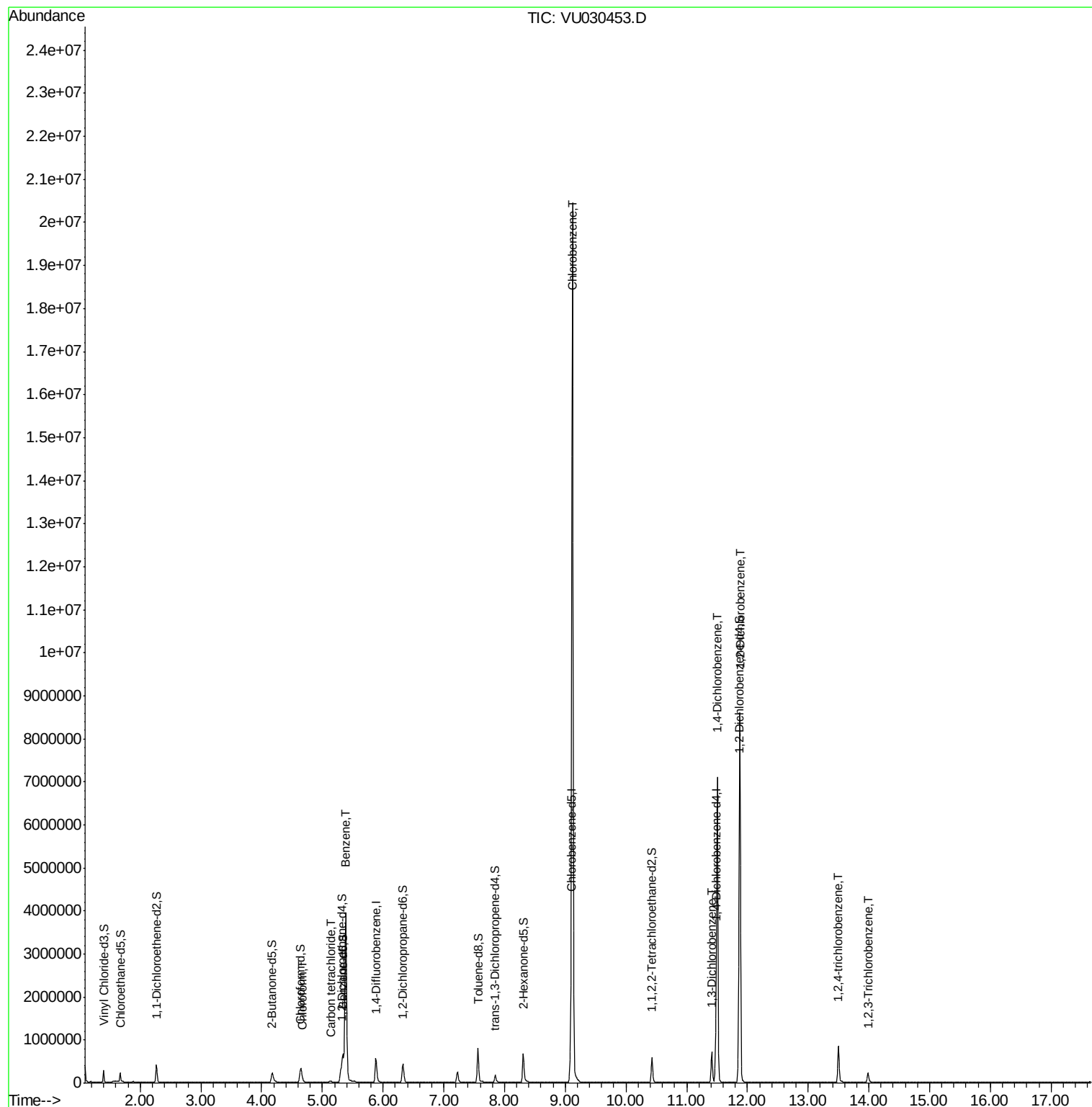
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030453.D
Acq On : 26 Mar 2019 19:05
Operator : JC/SP
Sample : K2022-15 50X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

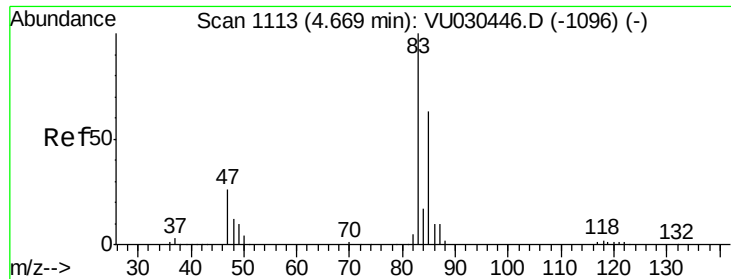
Instrument :
MSVOA_U
ClientSampleId :
C09D9

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Quant Time: Mar 27 07:02:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
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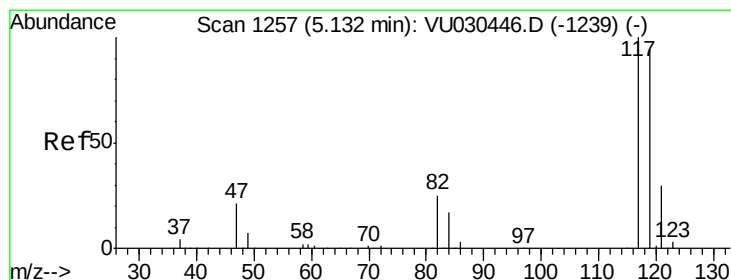
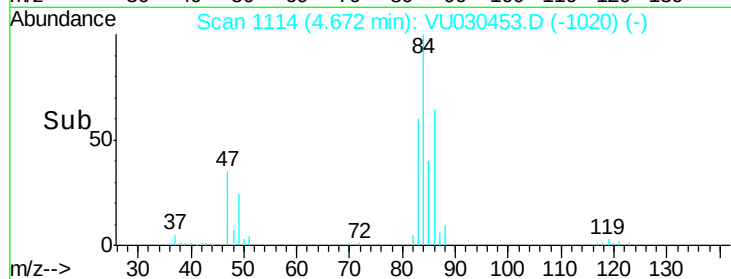
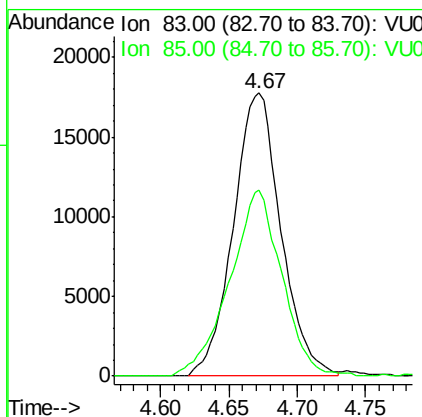
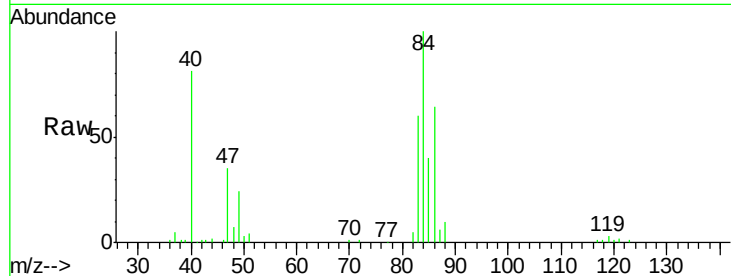
#25
Chloroform
Concen: 6.390 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
C09D9

Tot Ion	83	Resp	43156
Ion Ratio	100	Lower	Upper
85	65.8	44.4	82.4

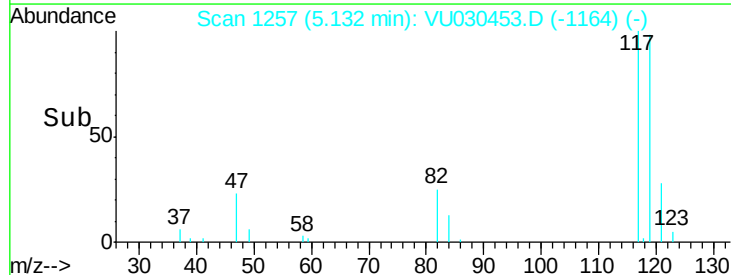
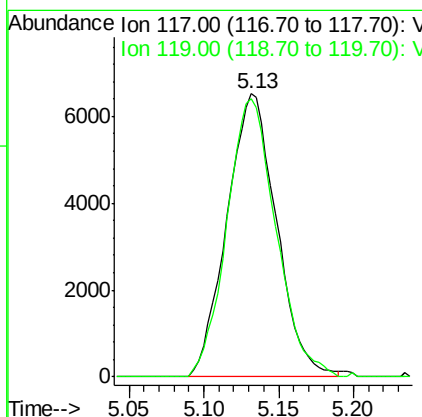
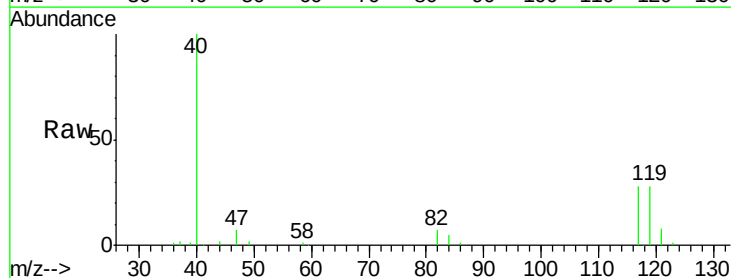
Manual Integrations
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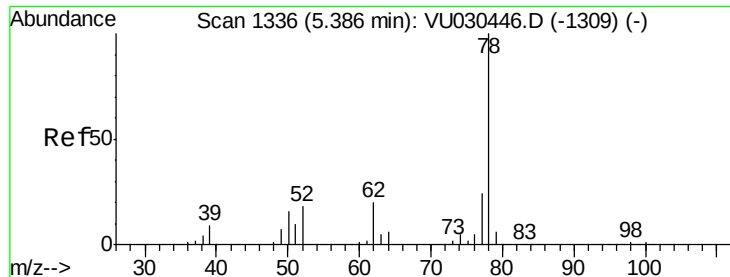
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#31
Carbon tetrachloride
Concen: 3.258 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU030453.D
Acq: 26 Mar 2019 19:05

Tgt Ion	117	Resp	15049
Ion Ratio	100	Lower	Upper
119	97.3	75.4	113.2





#33

Benzene

Concen: 250.422 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU030453.D

Acq: 26 Mar 2019 19:05

Instrument :

MSVOA_U

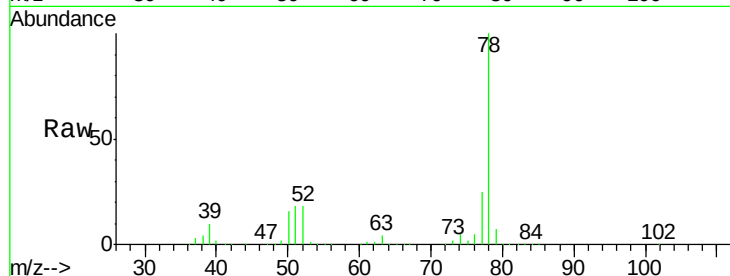
ClientSampleId :

C09D9

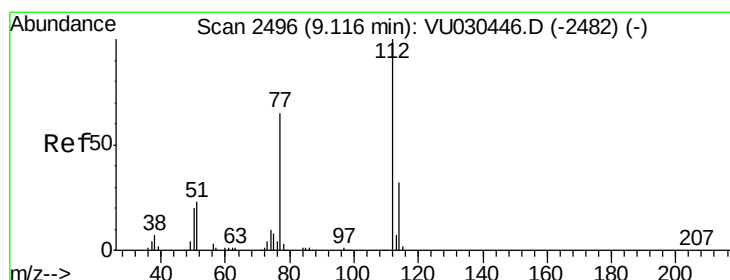
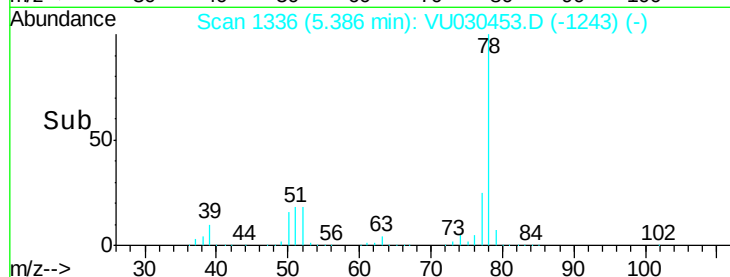
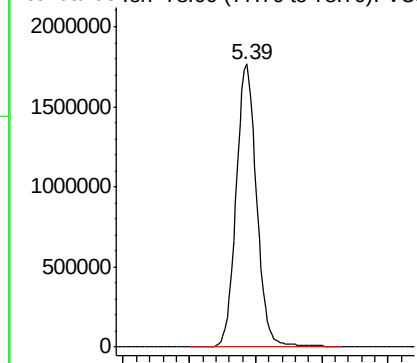
Tgt Ion: 78 Resp: 3793475

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 1074.815 ug/L

RT: 9.12 min Scan# 2497

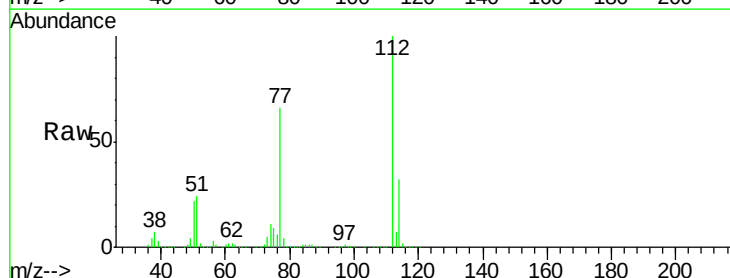
Delta R.T. 0.00 min

Lab File: VU030453.D

Acq: 26 Mar 2019 19:05

Tgt Ion: 112 Resp: 10241018

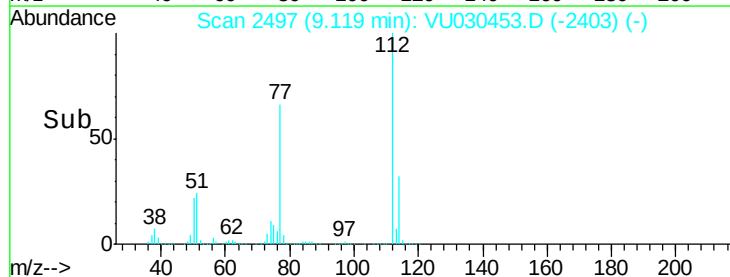
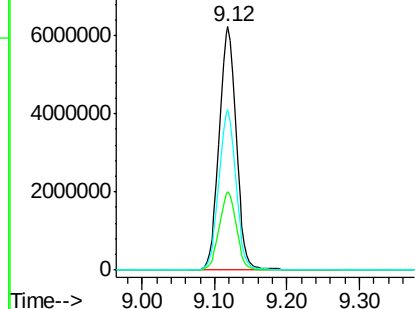
Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.5	39.9
77	65.8	51.4	77.0

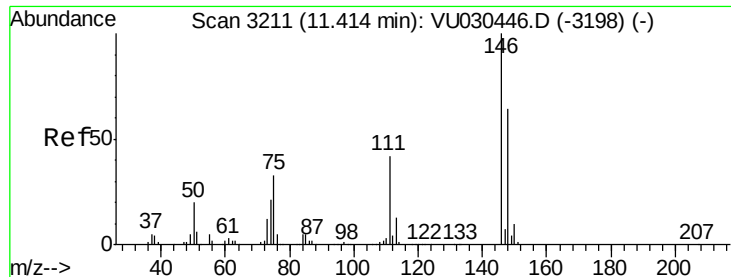


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 39.293 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030453.D

Acq: 26 Mar 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

C09D9

Tot Ion:146 Resp: 268052

Ion Ratio Lower Upper

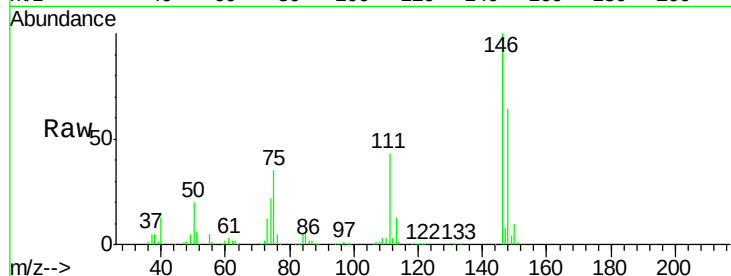
146 100

111 42.6 29.2 54.2

148 64.3 44.4 82.4

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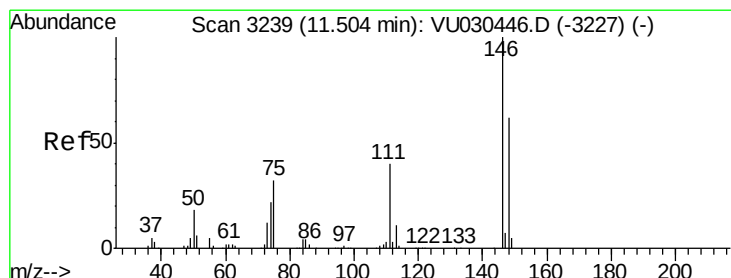
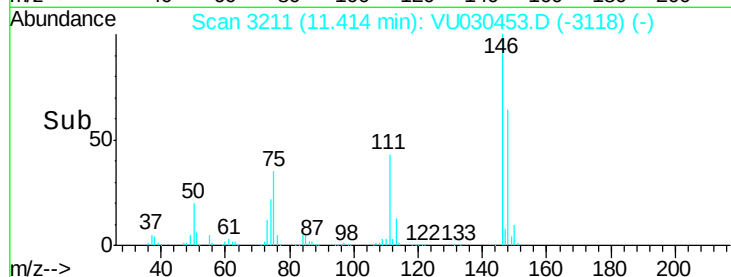
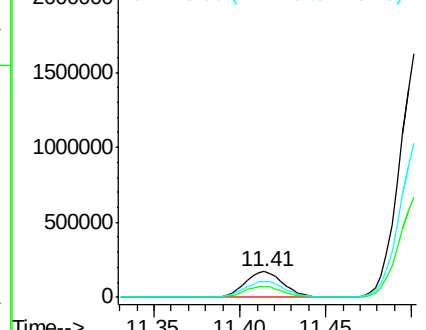
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 377.285 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030453.D

Acq: 26 Mar 2019 19:05

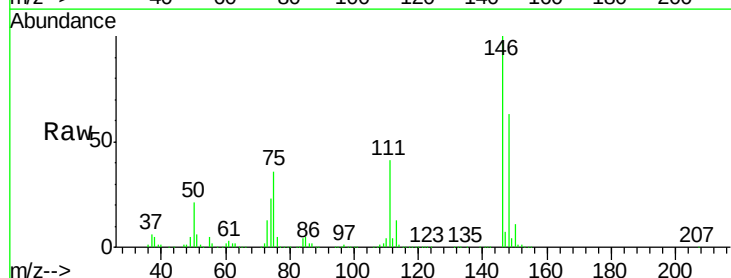
Tgt Ion:146 Resp: 2649668

Ion Ratio Lower Upper

146 100

111 40.9 28.7 53.3

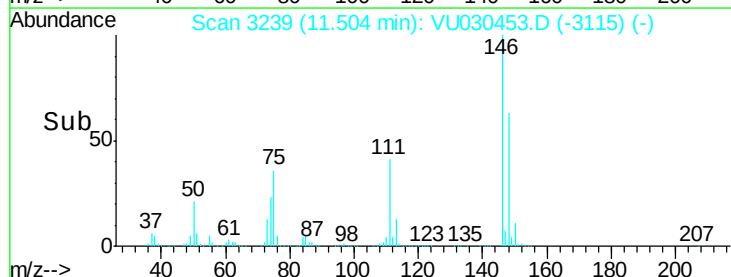
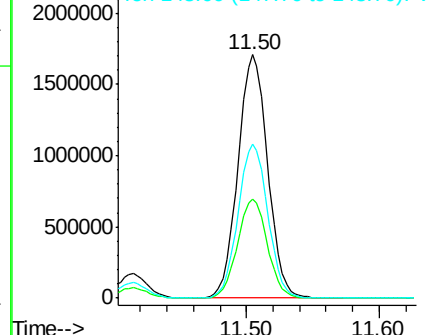
148 63.1 44.3 82.3

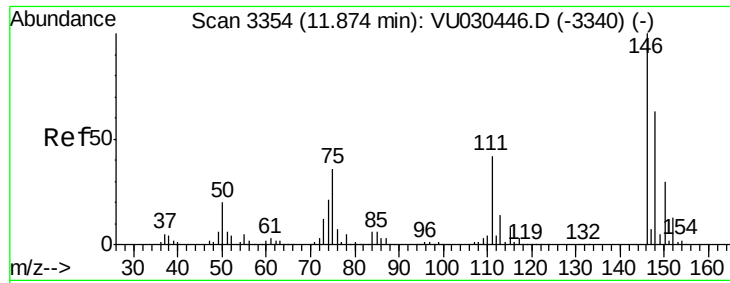


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





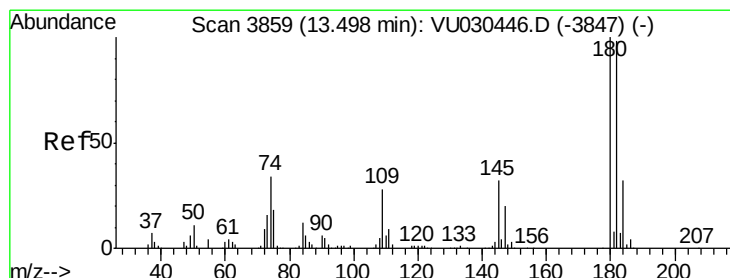
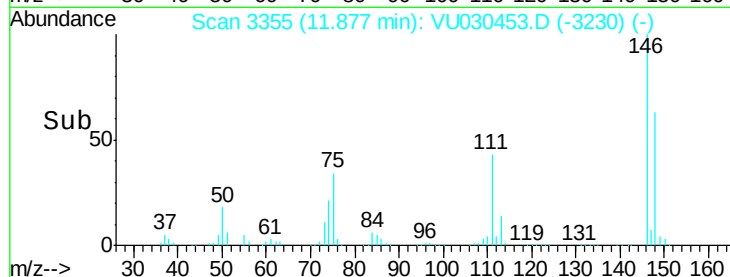
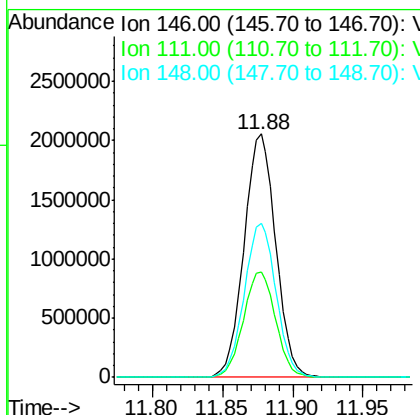
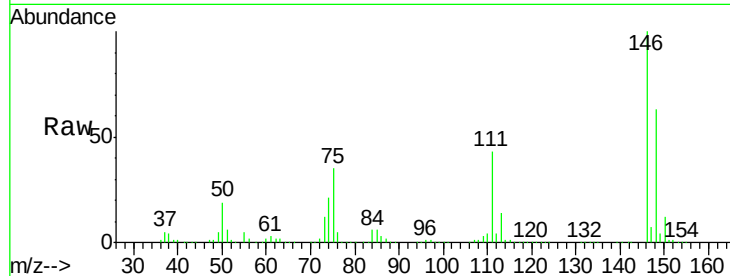
#65
 1,2-Dichlorobenzene
 Concen: 469.698 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030453.D
 Acq: 26 Mar 2019 19:05

Instrument :
 MSVOA_U
 ClientSampled :
 C09D9

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	34.9	52.3
148	63.5	51.2	76.8

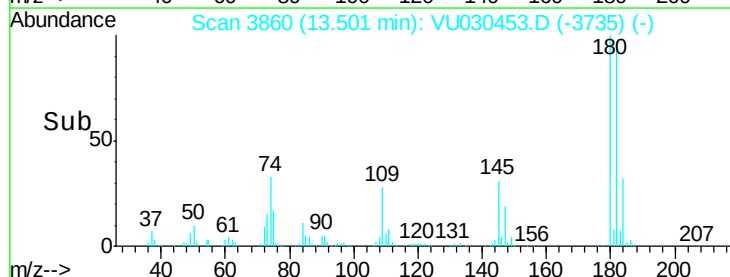
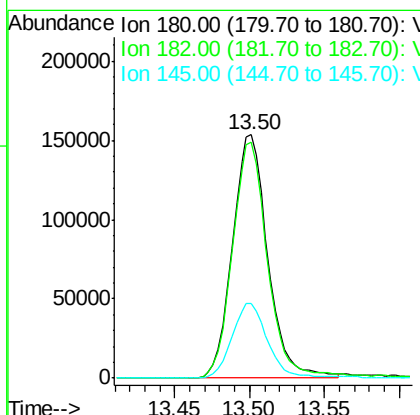
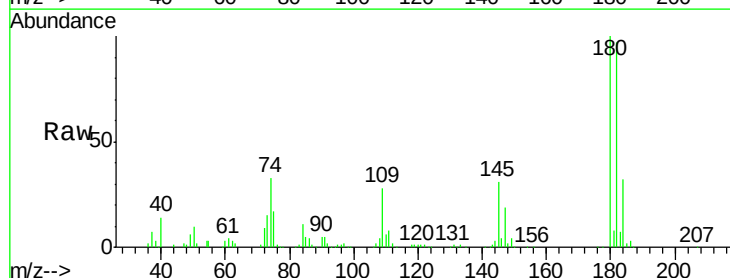
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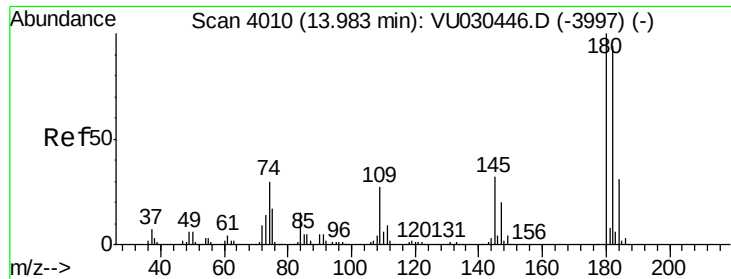
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#68
 1,2,4-trichlorobenzene
 Concen: 56.864 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030453.D
 Acq: 26 Mar 2019 19:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.1	114.1
145	30.9	24.5	36.7





#70
 1,2,3-Trichlorobenzene
 Concen: 15.307 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030453.D
 Acq: 26 Mar 2019 19:05

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D9

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.4	116.2
145	32.6	25.9	38.9

Manual Integrations
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 3/27/2019 9:55:55 AM

