

Data File : VU031900.D
Acq On : 10 May 2019 19:56
Operator : JC/SP
Sample : K2742-05DL 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0C31DL

Quant Time: May 11 02:49:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 11 02:45:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	993152	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1023041	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	392216	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	355778	42.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.60%
7) Chloroethane-d5	1.67	69	314541	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.94%
11) 1,1-Dichloroethene-d2	2.26	63	507369	30.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.30%
21) 2-Butanone-d5	4.17	46	643917	85.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.50%
24) Chloroform-d	4.92	84	170	0.01	ug/L	0.28
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.02%#
26) 1,2-Dichloroethane-d4	5.31	65	445360	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.56%
32) Benzene-d6	5.33	84	1375344	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.56%
36) 1,2-Dichloropropane-d6	6.32	67	470207	42.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.08%
41) Toluene-d8	7.56	98	1172203	42.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.68%
43) trans-1,3-Dichloropropene-	7.85	79	185516	39.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.20%
47) 2-Hexanone-d5	8.31	63	426481	89.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	662237	44.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	405778	49.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.38%

Target Compounds

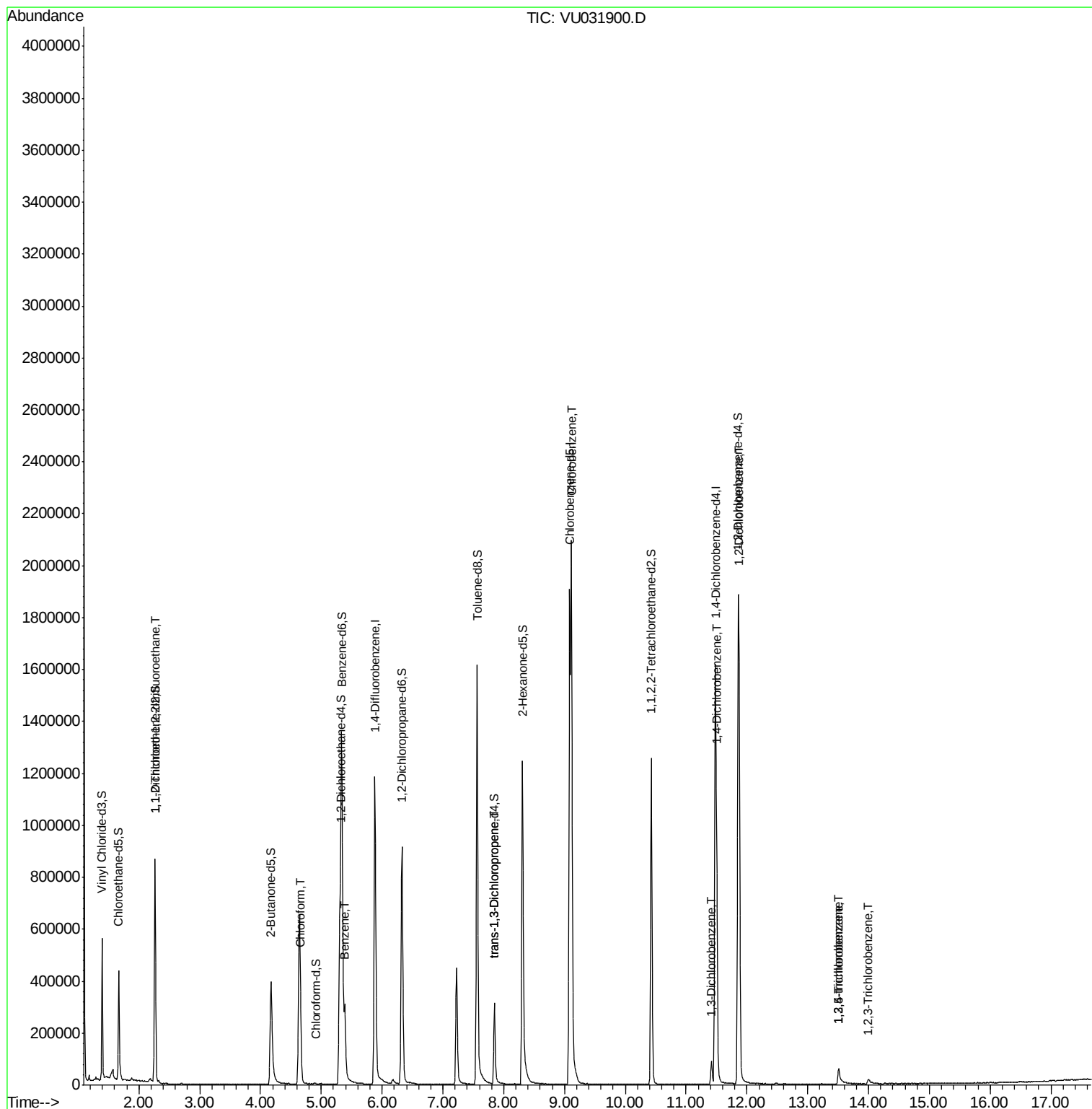
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	5076	0.638	ug/L #	23
25) Chloroform	4.67	83	10020	0.616	ug/L	84
33) Benzene	5.39	78	273975	7.284	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	7199	0.563	ug/L	92
51) Chlorobenzene	9.12	112	1110552	50.158	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	35429	2.729	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	314469	23.388	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	451452	32.718	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	22208	2.284	ug/L #	87
68) 1,2,4-trichlorobenzene	13.51	180	22208	2.885	ug/L	83
70) 1,2,3-Trichlorobenzene	14.00	180	6020	0.687	ug/L #	95

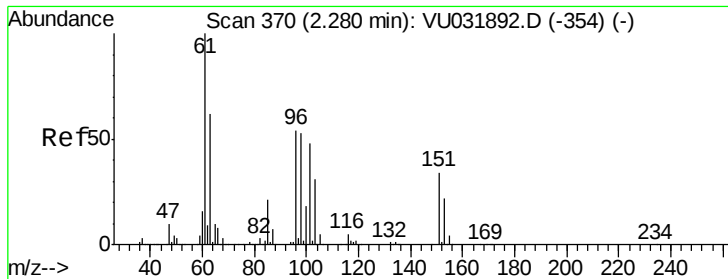
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.638 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

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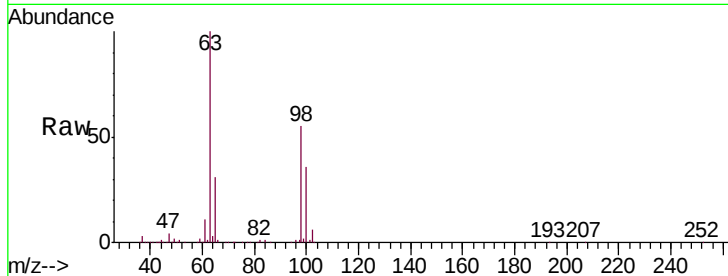
Tgt Ion:101 Resp: 5076

Ion Ratio Lower Upper

101 100

85 1.0 36.1 54.1#

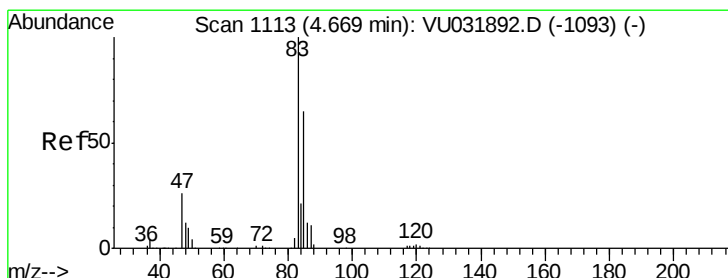
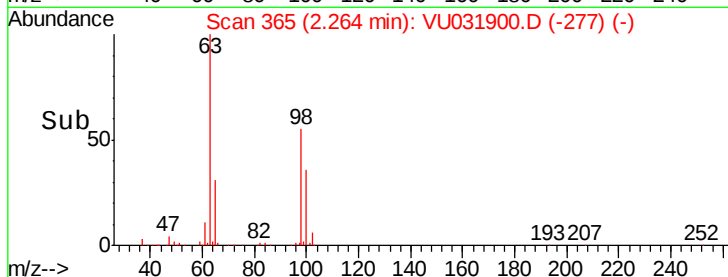
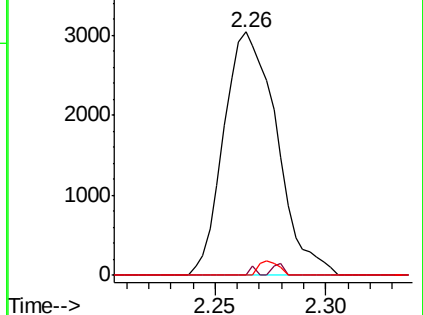
151 2.2 56.1 84.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 0.616 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

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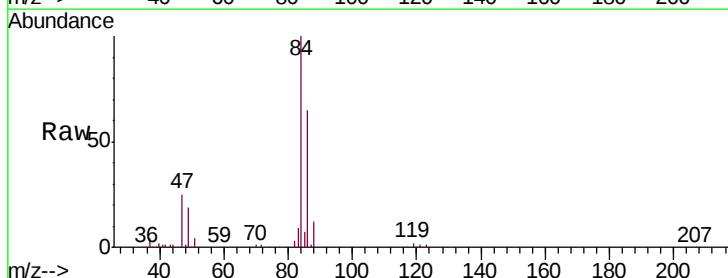
Acq: 10 May 2019 19:56

Tgt Ion: 83 Resp: 10020

Ion Ratio Lower Upper

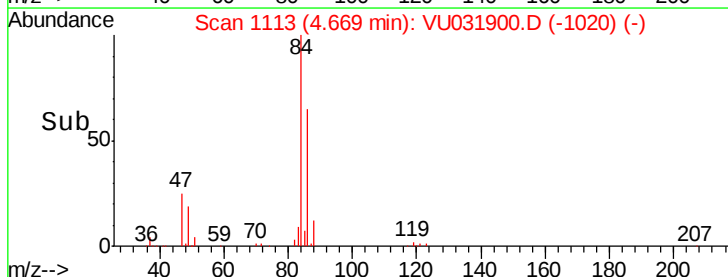
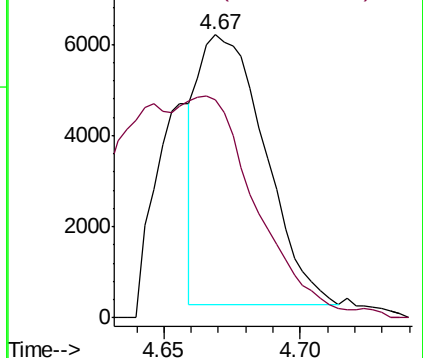
83 100

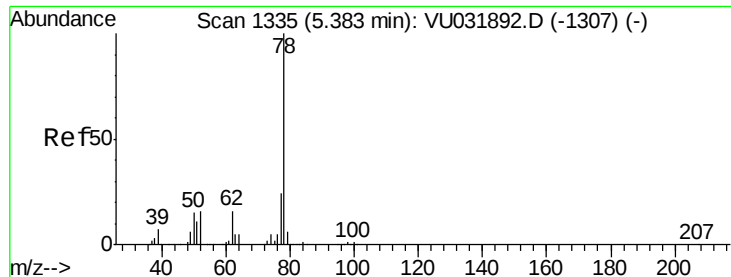
85 76.9 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 7.284 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031900.D

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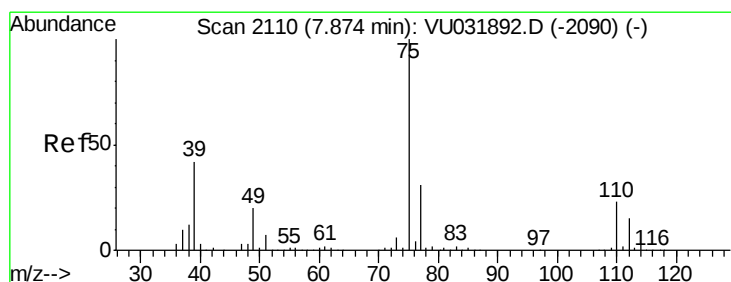
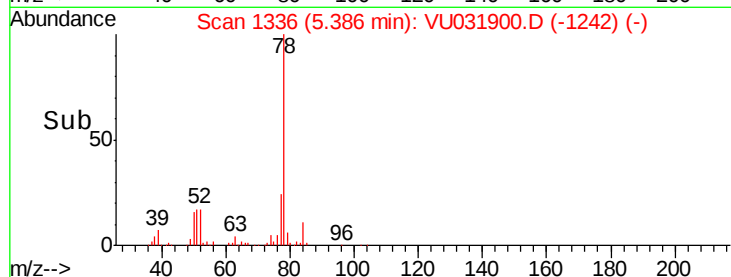
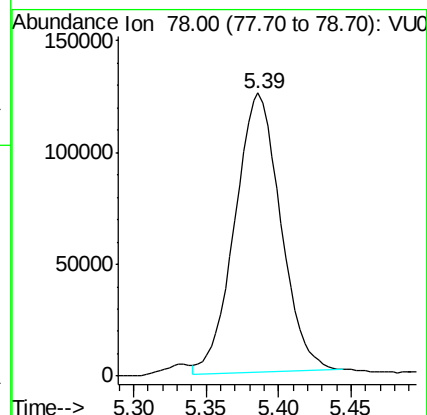
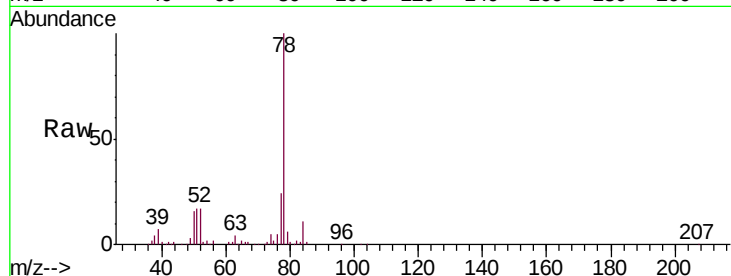
Instrument :

MSVOA_U

ClientSampleId :

C0C31DL

Tgt Ion: 78 Resp: 273975



#44

trans-1,3-Dichloropropene

Concen: 0.563 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031900.D

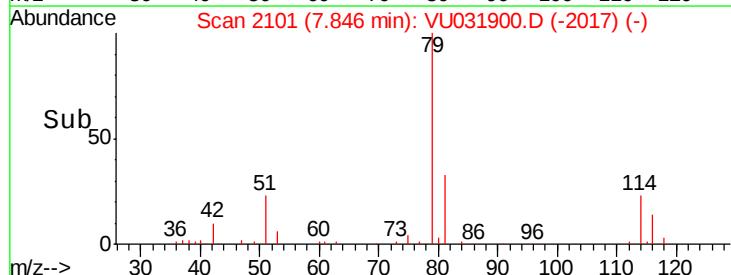
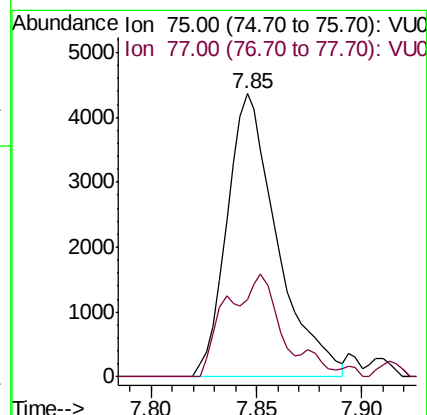
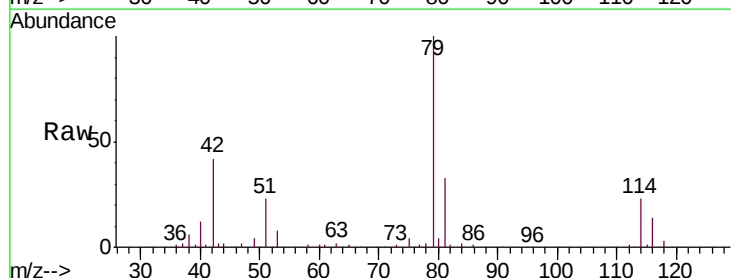
Acq: 10 May 2019 19:56

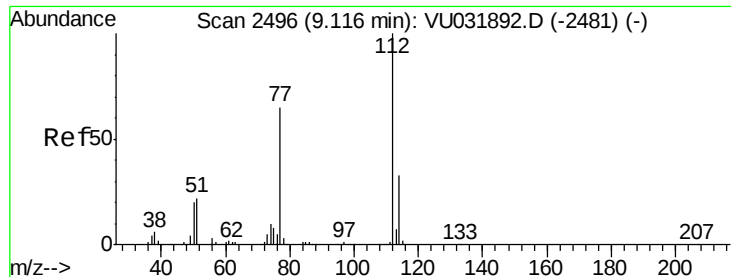
Tgt Ion: 75 Resp: 7199

Ion Ratio Lower Upper

75 100

77 27.3 22.1 41.1

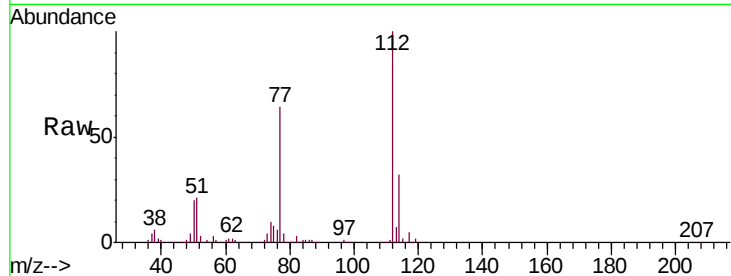




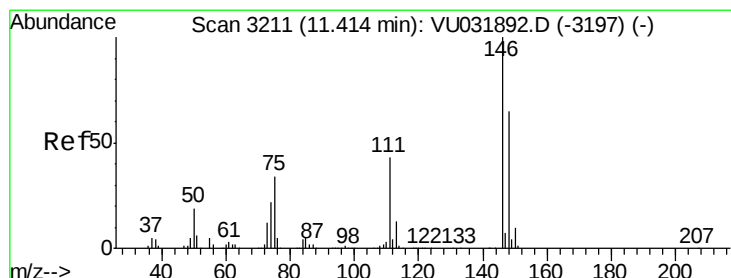
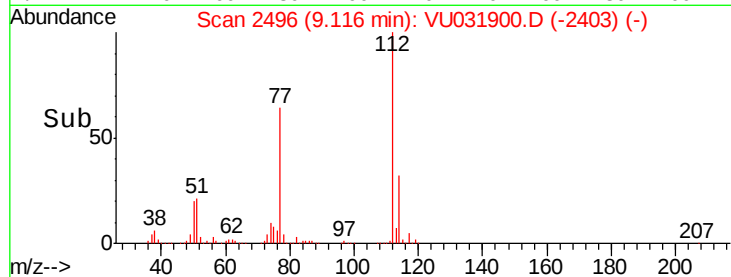
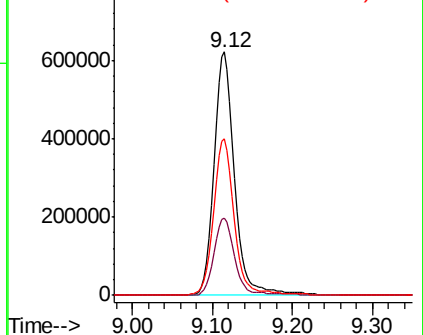
#51
Chlorobenzene
Concen: 50.158 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031900.D
Acq: 10 May 2019 19:56

Instrument :
MSVOA_U
ClientSampleId :
C0C31DL

Tgt Ion:112 Resp: 1110552
Ion Ratio Lower Upper
112 100
114 31.6 23.3 43.3
77 64.2 53.0 79.4

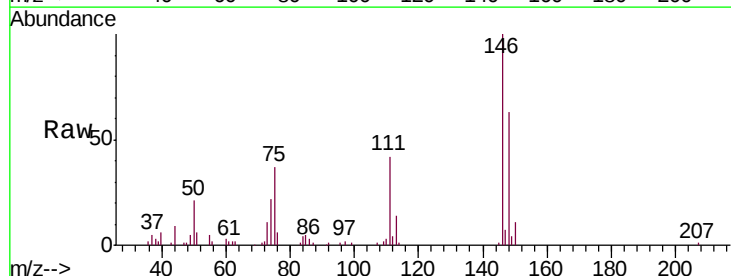


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

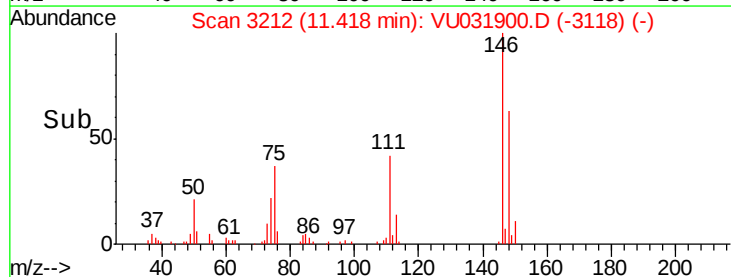
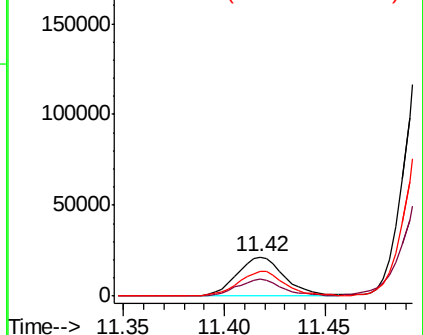


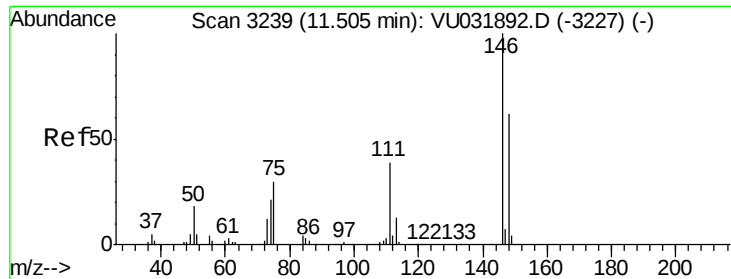
#62
1,3-Dichlorobenzene
Concen: 2.729 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU031900.D
Acq: 10 May 2019 19:56

Tgt Ion:146 Resp: 35429
Ion Ratio Lower Upper
146 100
111 42.1 29.8 55.4
148 63.2 45.1 83.9



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

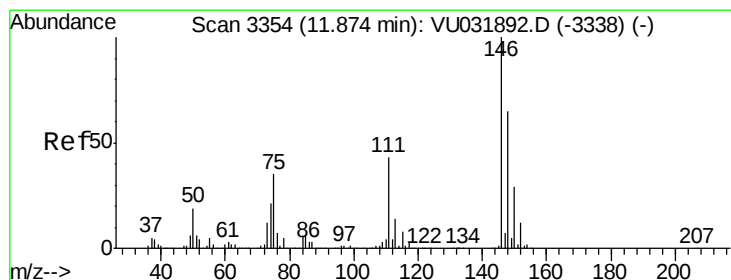
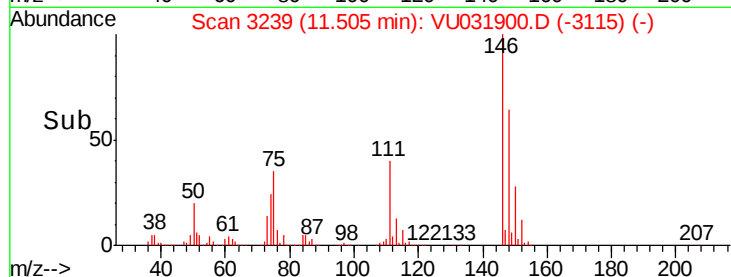
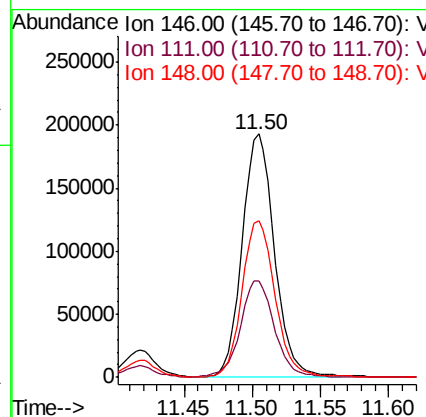
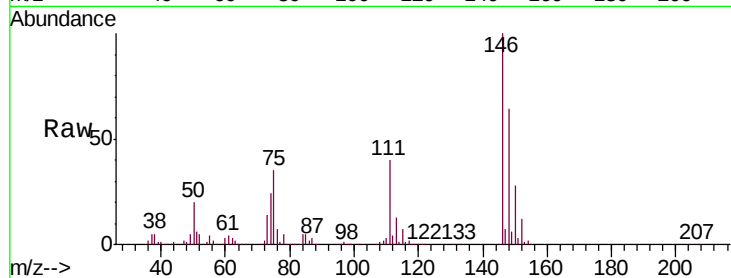




#63
 1,4-Dichlorobenzene
 Concen: 23.388 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031900.D
 Acq: 10 May 2019 19:56

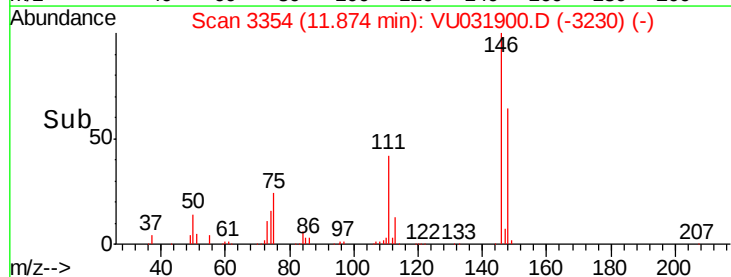
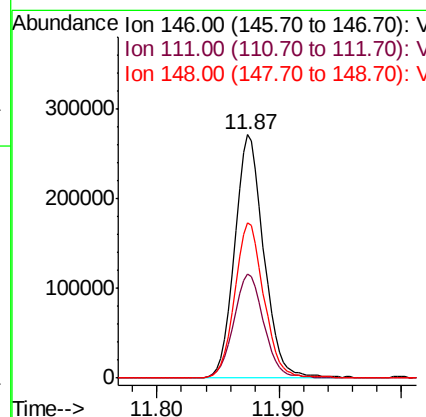
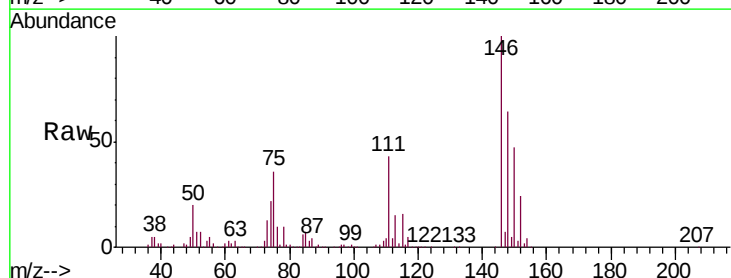
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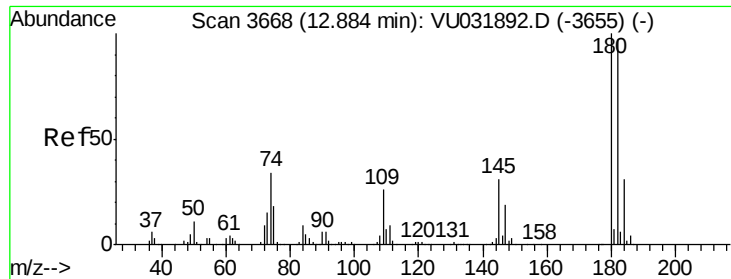
Tgt Ion:146 Resp: 314469
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.2 52.4
 148 64.4 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 32.718 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031900.D
 Acq: 10 May 2019 19:56

Tgt Ion:146 Resp: 451452
 Ion Ratio Lower Upper
 146 100
 111 42.9 35.9 53.9
 148 63.9 50.5 75.7

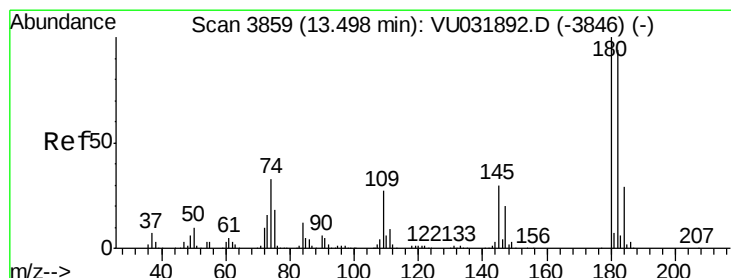
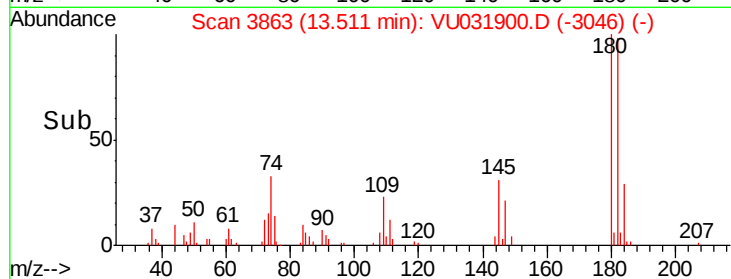
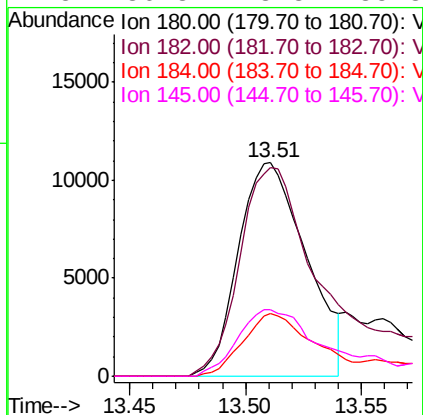
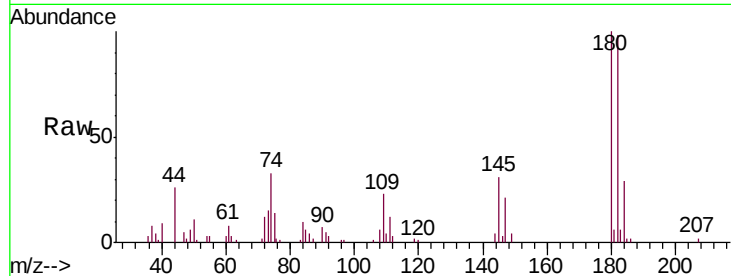




#67
 1,3,5-Trichlorobenzene
 Concen: 2.284 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.63 min
 Lab File: VU031900.D
 Acq: 10 May 2019 19:56

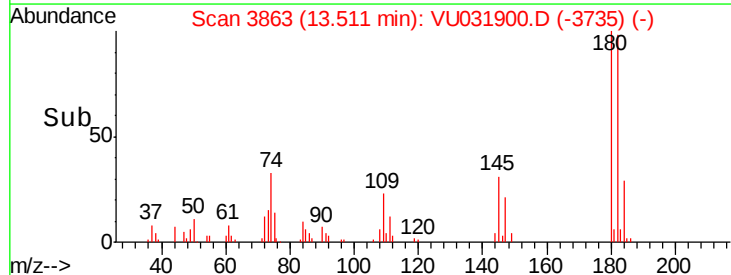
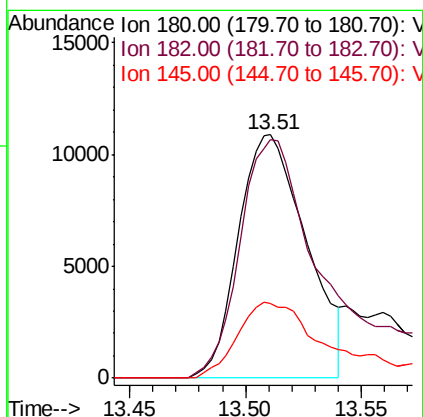
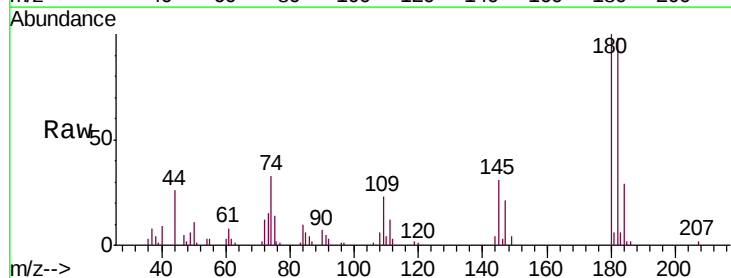
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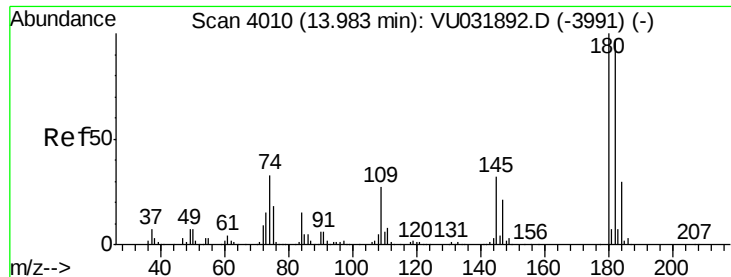
Tgt Ion	Ratio	Lower	Upper
180	100		
182	113.2	77.3	115.9
184	31.0	24.4	36.6
145	36.3	23.8	35.8#



#68
 1,2,4-trichlorobenzene
 Concen: 2.885 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU031900.D
 Acq: 10 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	113.2	75.8	113.8
145	36.3	24.5	36.7





#70
 1,2,3-Trichlorobenzene
 Concen: 0.687 ug/L
 RT: 14.00 min Scan# 4015
 Delta R.T. 0.02 min
 Lab File: VU031900.D
 Acq: 10 May 2019 19:56

Instrument :
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Tgt Ion:180 Resp: 6020
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.1 114.1
 145 21.3 26.0 39.0#

