

Data File : VU035576.D
Acq On : 30 Oct 2019 21:20
Operator : JC/SP
Sample : K5559-02 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CP6

Quant Time: Oct 31 00:45:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 00:14:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	643556	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	625593	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	246325	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	208687	40.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.30%
7) Chloroethane-d5	1.93	69	182399	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.88%
11) 1,1-Dichloroethene-d2	2.60	63	255621	31.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.24%
21) 2-Butanone-d5	4.70	46	310099	102.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.13%
24) Chloroform-d	5.12	84	369316	46.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.02%
26) 1,2-Dichloroethane-d4	5.75	65	242856	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.78%
32) Benzene-d6	5.77	84	778075	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
36) 1,2-Dichloropropane-d6	6.74	67	258954	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.94%
41) Toluene-d8	7.93	98	689841	44.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.70%
43) trans-1,3-Dichloropropene-	8.22	79	113495	46.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.18%
47) 2-Hexanone-d5	8.68	63	204221	100.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.76%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	360165	47.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.78%
64) 1,2-Dichlorobenzene-d4	12.22	152	238118	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%

Target Compounds

					Qvalue
25) Chloroform	5.14	83	14962	1.845 ug/L	95
27) 1,2-Dichloroethane	5.83	62	6780	1.144 ug/L #	73
33) Benzene	5.82	78	790974	44.988 ug/L	100
48) 2-Hexanone	8.73	43	19331	3.774 ug/L #	84
51) Chlorobenzene	9.48	112	2146258	174.467 ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	94503	12.161 ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	787306	99.733 ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	1076452	136.069 ug/L	99
67) 1,3,5-Trichlorobenzene	13.86	180	55635	12.393 ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	55635	18.500 ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	17861	5.512 ug/L	100

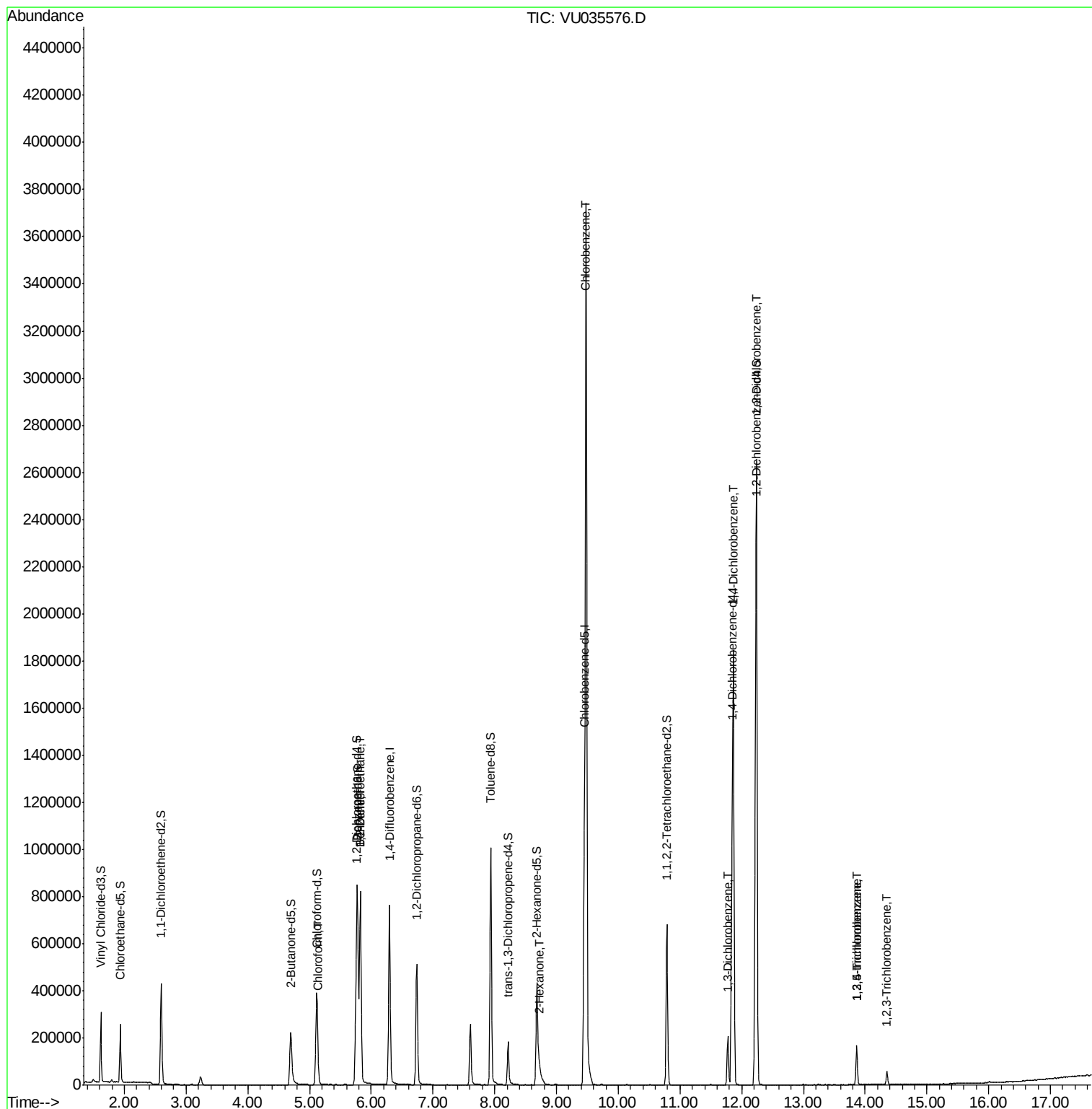
(#) = qualifier out of range (m) = manual integration (+) = signals summed

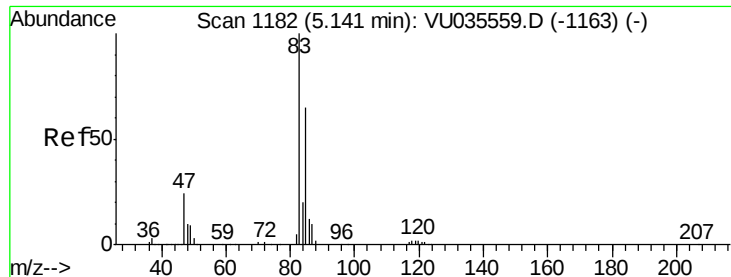
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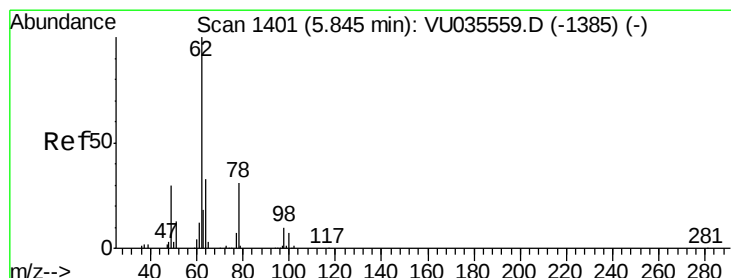
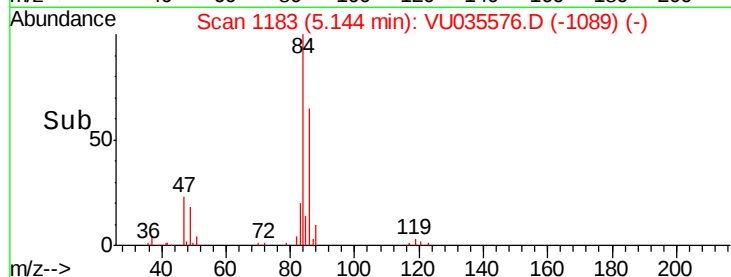
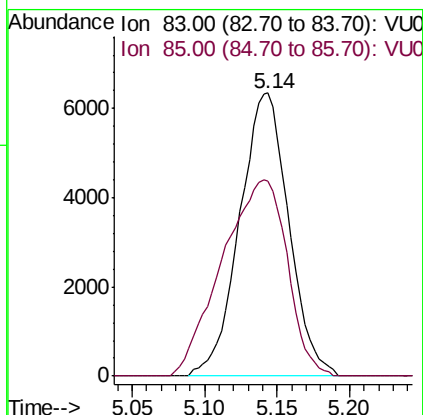
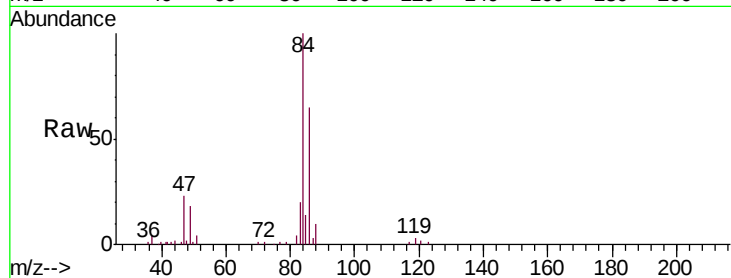




#25
Chloroform
Concen: 1.845 ug/L
RT: 5.14 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU035576.D
Acq: 30 Oct 2019 21:20

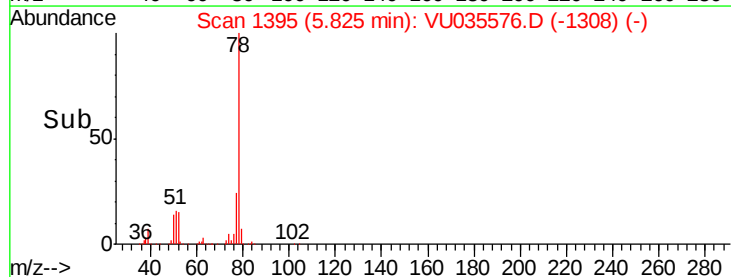
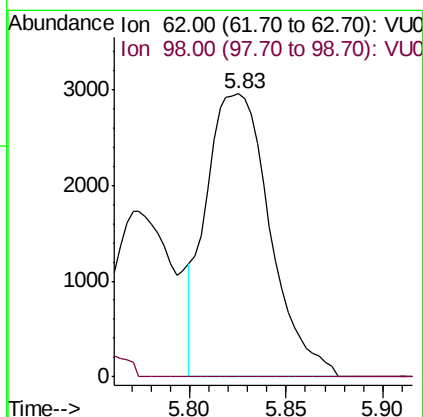
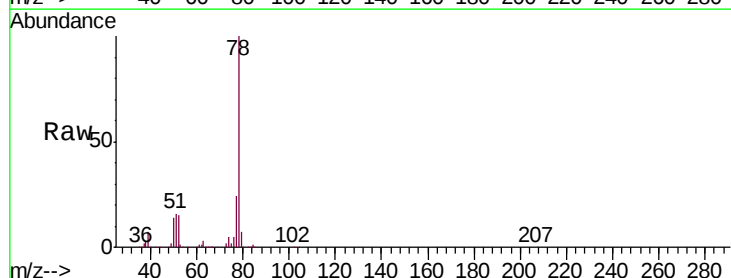
Instrument :
MSVOA_U
ClientSampleId :
C0CP6

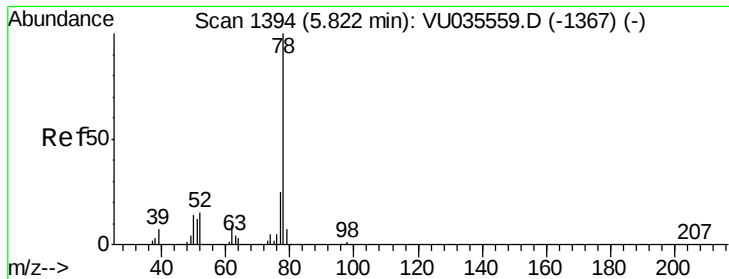
Tgt Ion: 83 Resp: 14962
Ion Ratio Lower Upper
83 100
85 68.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.144 ug/L
RT: 5.83 min Scan# 1395
Delta R.T. -0.02 min
Lab File: VU035576.D
Acq: 30 Oct 2019 21:20

Tgt Ion: 62 Resp: 6780
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#





#33

Benzene

Concen: 44.988 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. -0.00 min

Lab File: VU035576.D

Acq: 30 Oct 2019 21:20

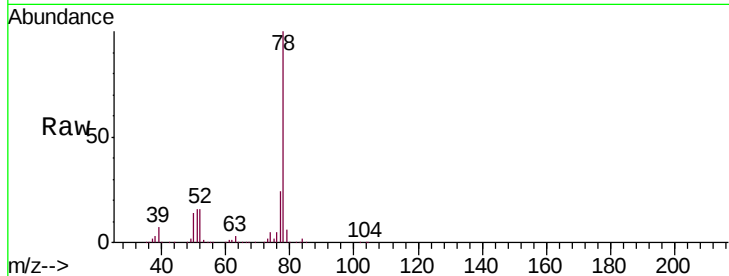
Instrument :

MSVOA_U

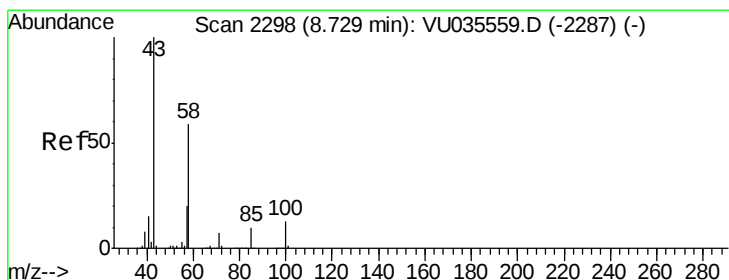
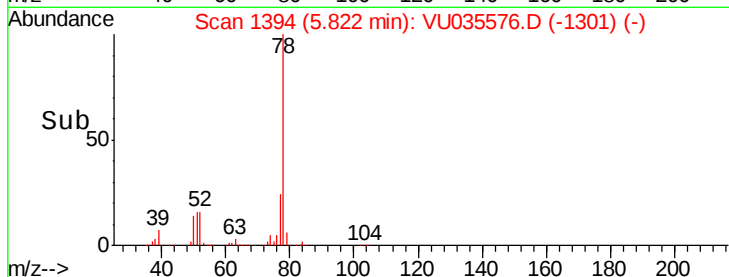
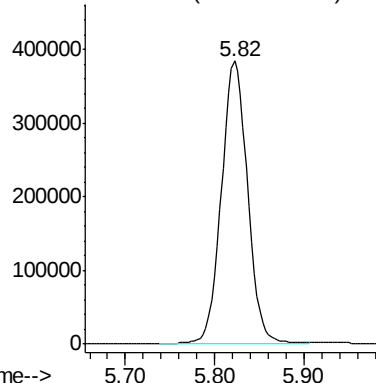
ClientSampleId :

C0CP6

Tgt Ion: 78 Resp: 790974



Abundance Ion 78.00 (77.70 to 78.70): VU0



#48

2-Hexanone

Concen: 3.774 ug/L

RT: 8.73 min Scan# 2297

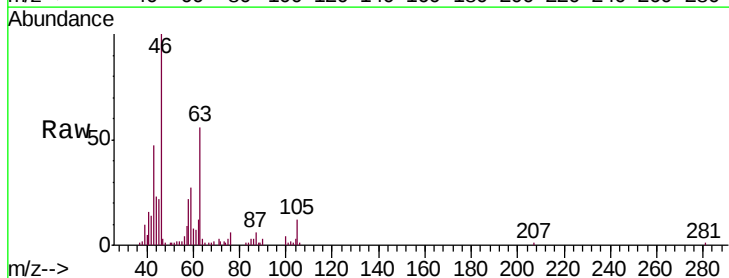
Delta R.T. -0.00 min

Lab File: VU035576.D

Acq: 30 Oct 2019 21:20

Tgt Ion: 43 Resp: 19331

Ion	Ratio	Lower	Upper
43	100		
58	47.6	50.4	75.6#
57	18.2	17.4	26.0
100	8.6	10.5	15.7#

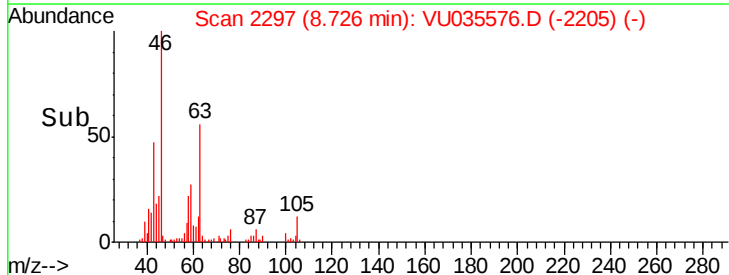
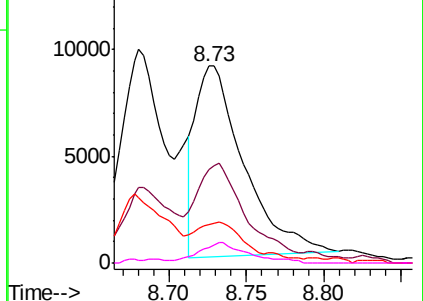


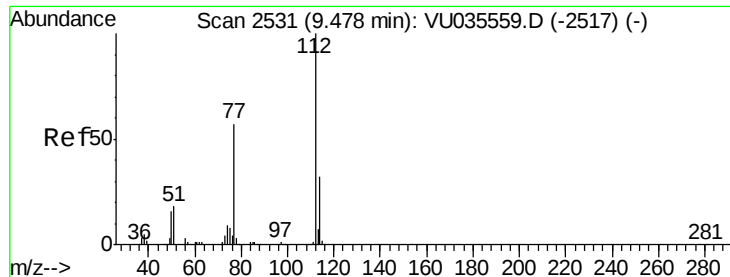
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

Chlorobenzene

Concen: 174.467 ug/L

RT: 9.48 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU035576.D

Acq: 30 Oct 2019 21:20

Instrument :

MSVOA_U

ClientSampleId :

C0CP6

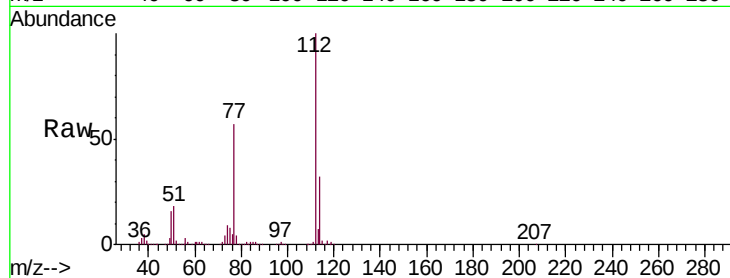
Tgt Ion:112 Resp: 2146258

Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.3

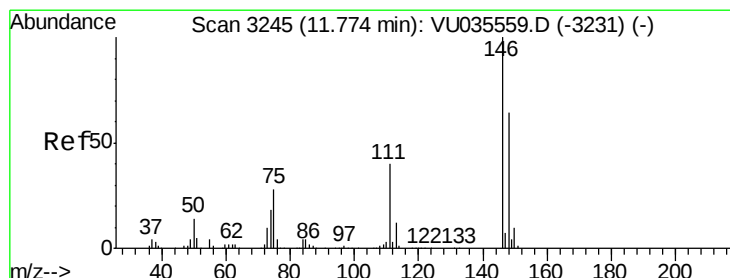
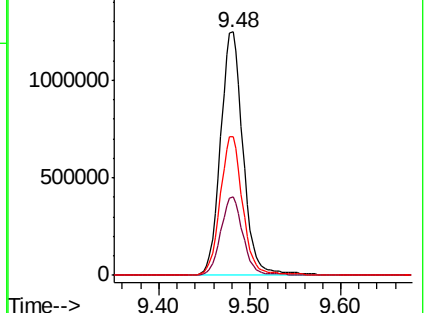
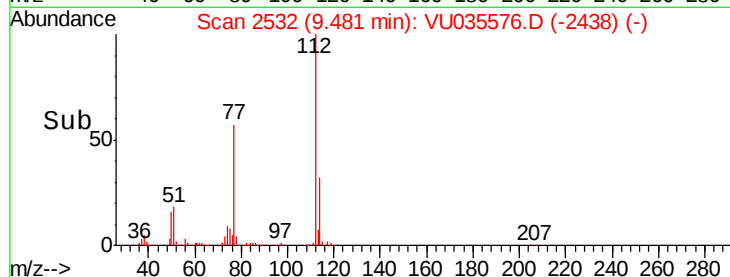
77 56.9 45.9 68.9



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: 12.161 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035576.D

Acq: 30 Oct 2019 21:20

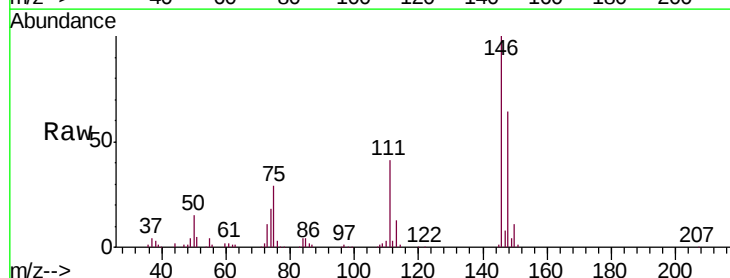
Tgt Ion:146 Resp: 94503

Ion Ratio Lower Upper

146 100

111 40.6 27.8 51.6

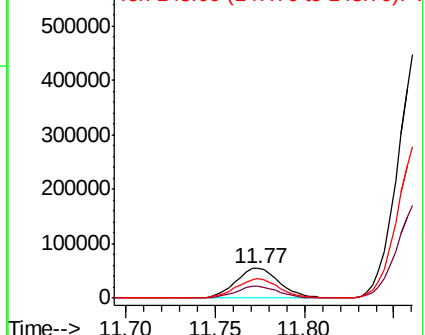
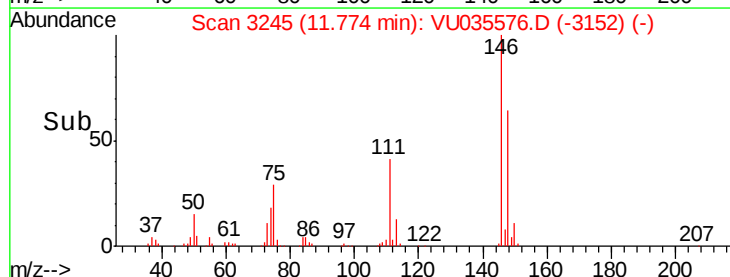
148 64.5 44.5 82.7

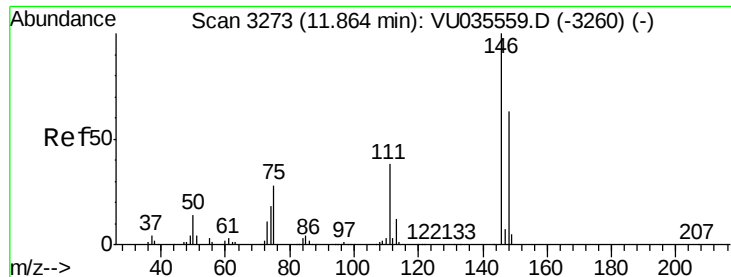


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

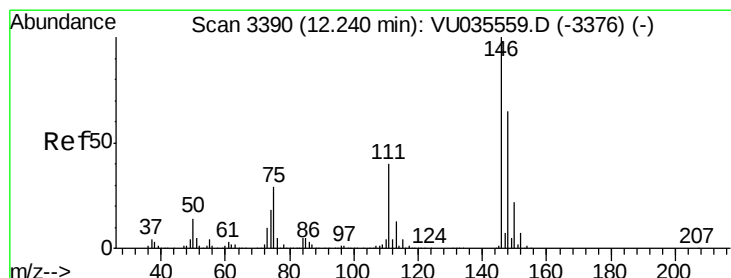
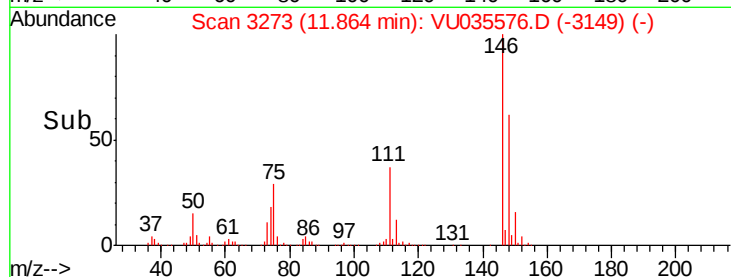
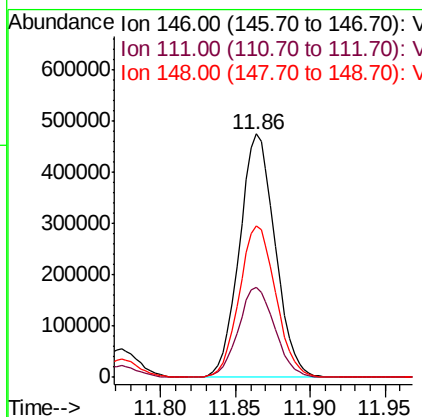
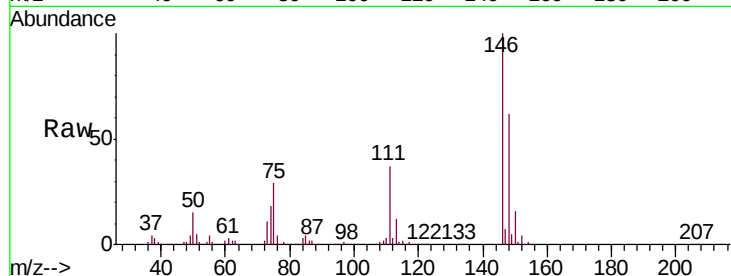




#63
 1,4-Dichlorobenzene
 Concen: 99.733 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035576.D
 Acq: 30 Oct 2019 21:20

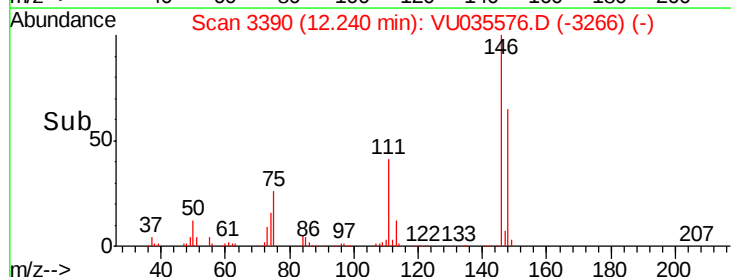
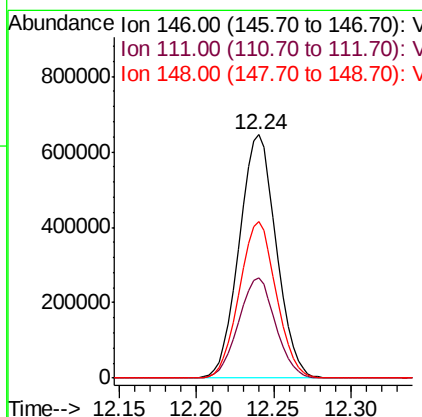
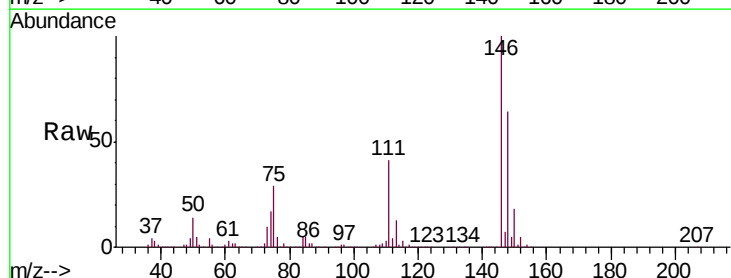
Instrument :
 MSVOA_U
 ClientSampleId :
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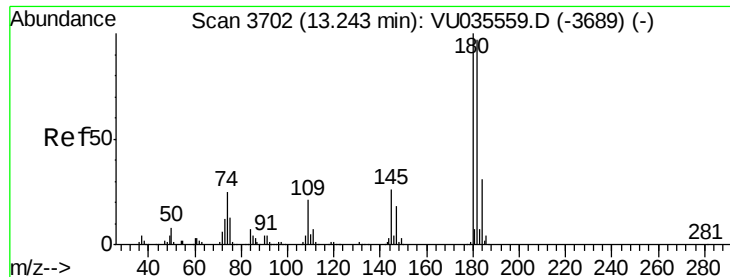
Tgt Ion:146 Resp: 787306
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.5 49.1
 148 62.1 44.4 82.5



#65
 1,2-Dichlorobenzene
 Concen: 136.069 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035576.D
 Acq: 30 Oct 2019 21:20

Tgt Ion:146 Resp: 1076452
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.4 48.6
 148 64.3 51.8 77.6

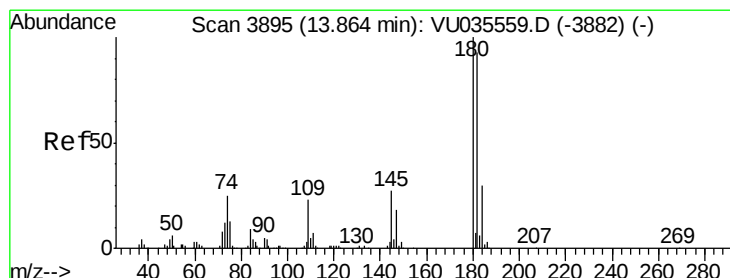
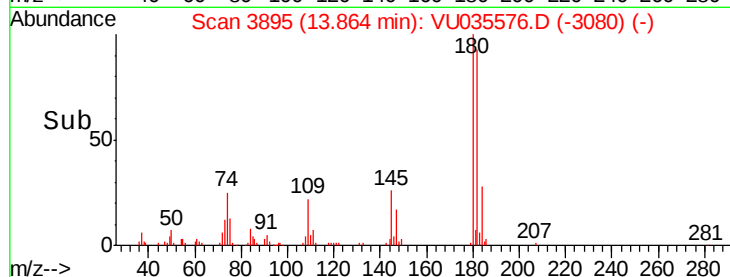
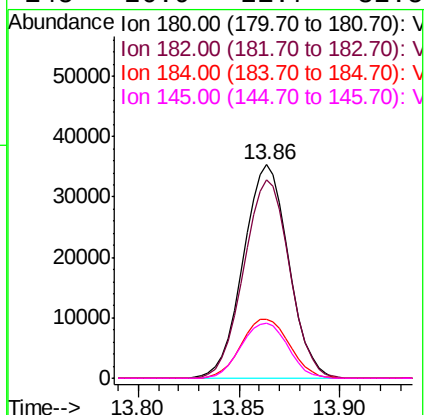
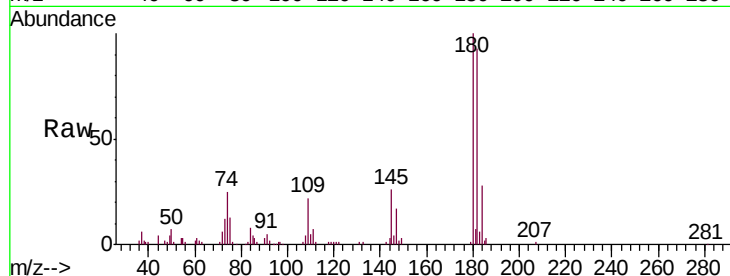




#67
 1,3,5-Trichlorobenzene
 Concen: 12.393 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.62 min
 Lab File: VU035576.D
 Acq: 30 Oct 2019 21:20

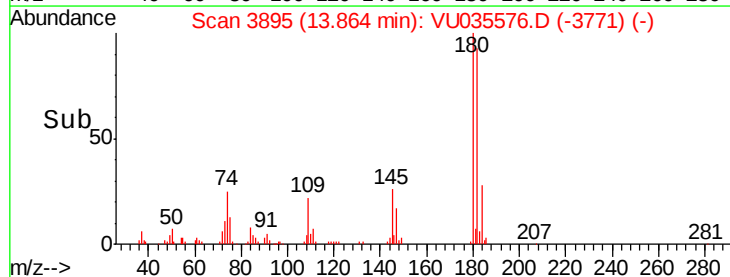
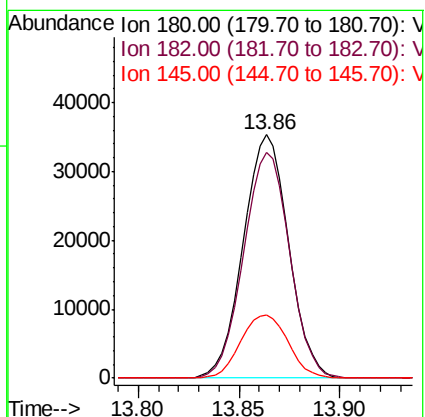
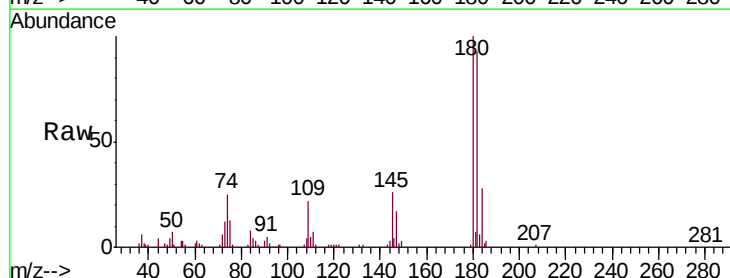
Instrument :
 MSVOA_U
 ClientSampled :
 C0CP6

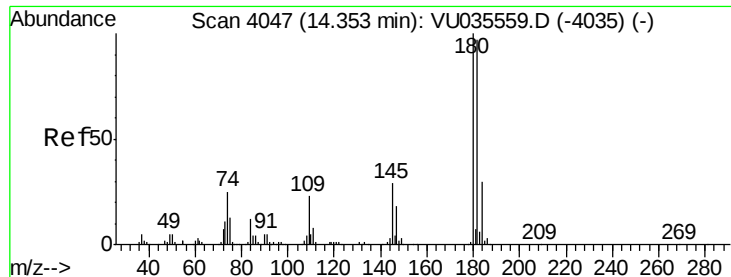
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.0	115.4
184	29.4	24.6	36.8
145	26.9	21.7	32.5



#68
 1,2,4-trichlorobenzene
 Concen: 18.500 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035576.D
 Acq: 30 Oct 2019 21:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.6	115.0
145	26.9	21.9	32.9

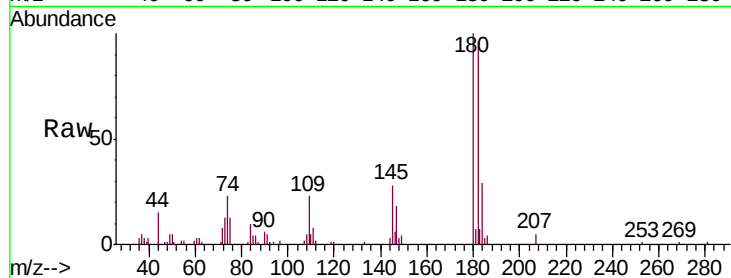




#70
 1,2,3-Trichlorobenzene
 Concen: 5.512 ug/L
 RT: 14.35 min Scan# 4047
 Delta R.T. -0.00 min
 Lab File: VU035576.D
 Acq: 30 Oct 2019 21:20

Instrument :
 MSVOA_U
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Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.6	116.4
145	29.3	23.4	35.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

