

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
 Data File : VU036478.D
 Acq On : 15 Jan 2020 18:40
 Operator : JC/MD
 Sample : L1139-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 06:00:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 05:57:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	429734	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	407919	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	157735	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	134439	48.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.50%
7) Chloroethane-d5	1.93	69	118028	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.88%
11) 1,1-Dichloroethene-d2	2.59	63	198767	37.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.30%
21) 2-Butanone-d5	4.68	46	251810	105.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.12%
24) Chloroform-d	5.11	84	288119	51.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.88%
26) 1,2-Dichloroethane-d4	5.75	65	196889	53.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.78%
32) Benzene-d6	5.77	84	557561	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
36) 1,2-Dichloropropane-d6	6.73	67	185756	53.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.08%
41) Toluene-d8	7.93	98	519069	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%
43) trans-1,3-Dichloropropene-	8.21	79	92916	49.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.42%
47) 2-Hexanone-d5	8.67	63	175244	98.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.56%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	267937	51.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.68%
64) 1,2-Dichlorobenzene-d4	12.22	152	162393	52.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.54%

Target Compounds

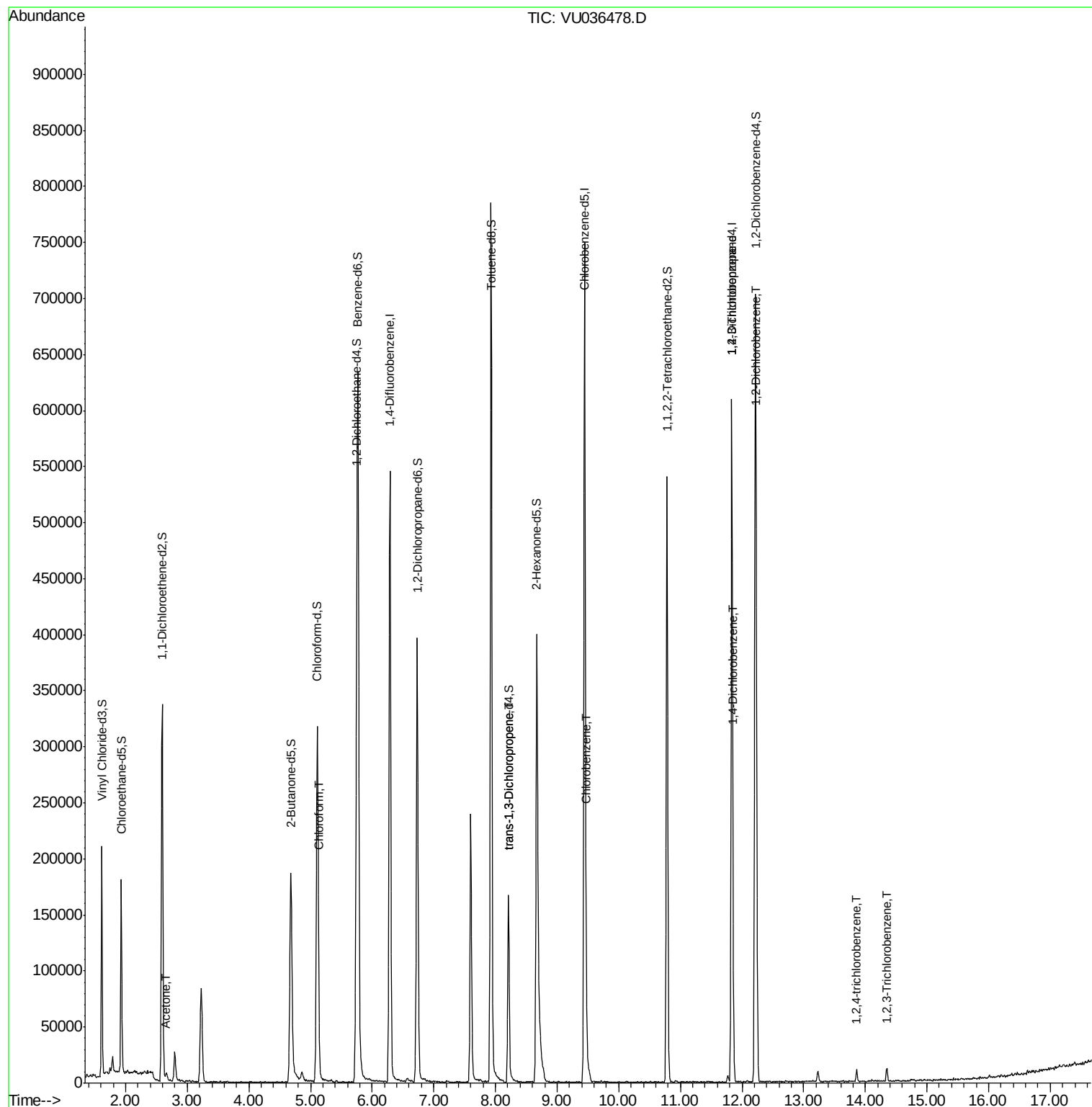
					Ovalue
13) Acetone	2.66	43	8469	3.267 ug/L	92
25) Chloroform	5.14	83	12989	2.317 ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	4640	0.996 ug/L	86
51) Chlorobenzene	9.47	112	24921	3.113 ug/L	96
59) 1,2,3-Trichloropropane	11.83	75	23921	5.584 ug/L	89
63) 1,4-Dichlorobenzene	11.86	146	8290	1.661 ug/L	94
65) 1,2-Dichlorobenzene	12.24	146	83657	17.076 ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	3118	1.409 ug/L #	83
70) 1,2,3-Trichlorobenzene	14.35	180	3747	1.632 ug/L	92

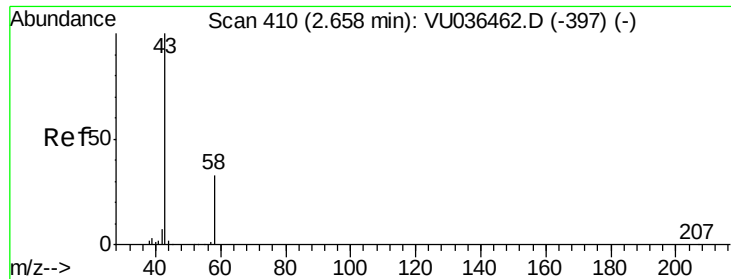
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 16 05:57:22 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.267 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036478.D

Acq: 15 Jan 2020 18:40

Instrument :

MSVOA_U

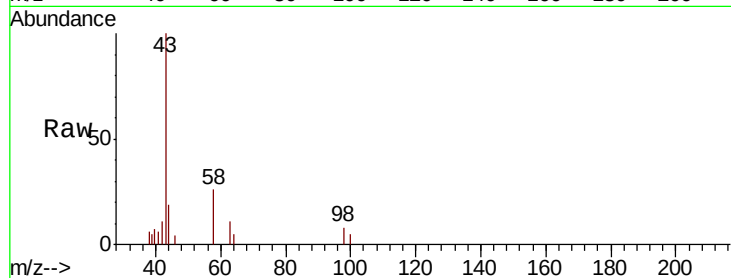
ClientSampleId :

Tot Ion: 43 Resp: 8469

Ion Ratio Lower Upper

43 100

58 28.2 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU036462.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036462.D (-397) (-)

2.66

4000

3000

2000

1000

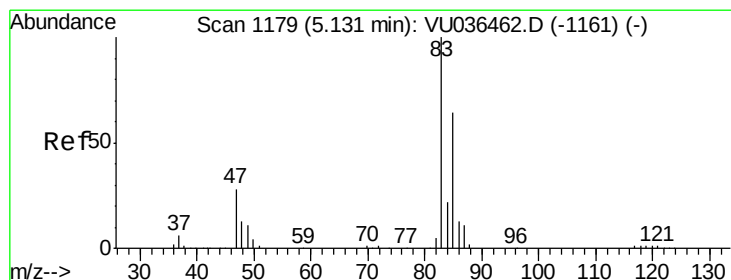
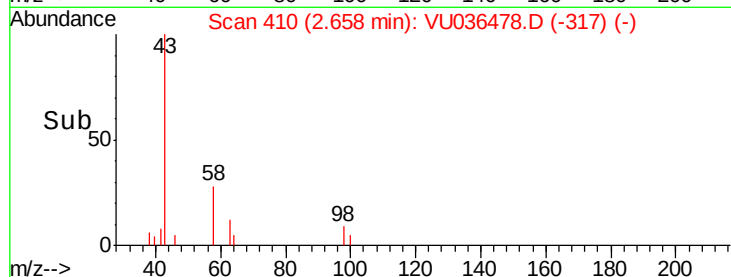
0

Time-->

2.60

2.65

2.70



#25

Chloroform

Concen: 2.317 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VU036478.D

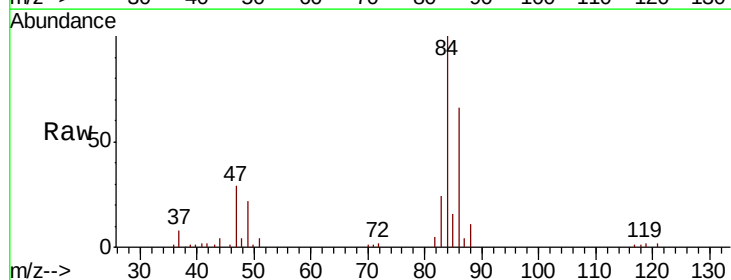
Acq: 15 Jan 2020 18:40

Tgt Ion: 83 Resp: 12989

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU036462.D (-1161) (-)

Ion 85.00 (84.70 to 85.70): VU036462.D (-1161) (-)

5.14

6000

5000

4000

3000

2000

1000

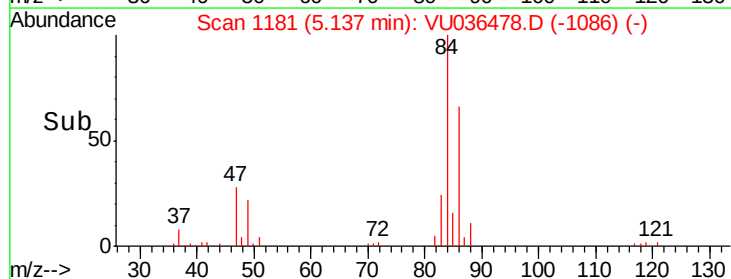
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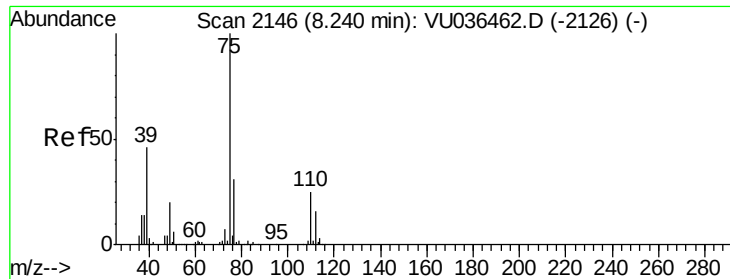
Time-->

5.10

5.15

5.20





#44

trans-1,3-Dichloropropene

Concen: 0.996 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.03 min

Lab File: VU036478.D

Acq: 15 Jan 2020 18:40

Instrument :

MSVOA_U

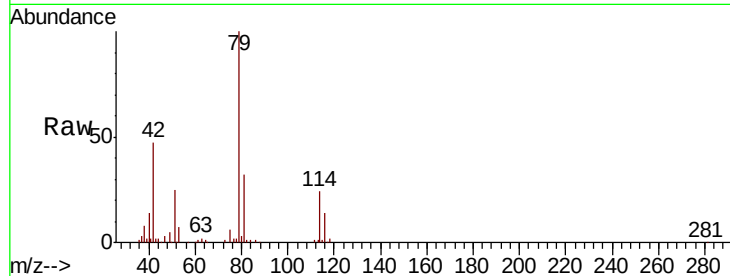
ClientSampleId :

Tot Ion: 75 Resp: 4640

Ion Ratio Lower Upper

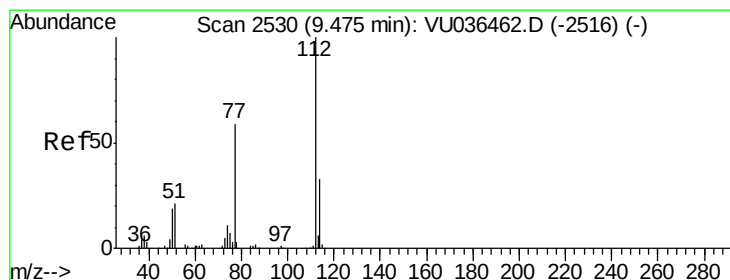
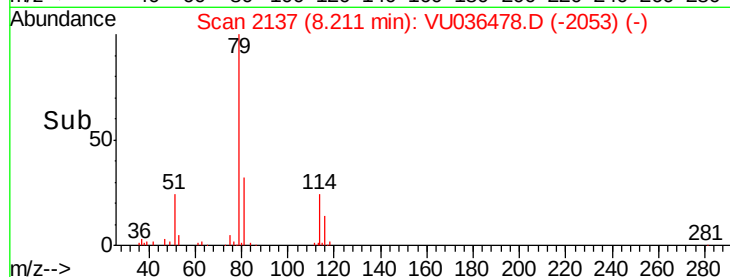
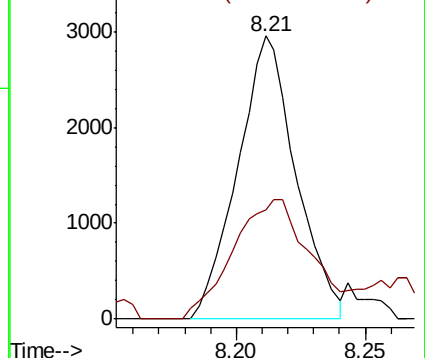
75 100

77 38.6 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036462.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU036462.D (-2126) (-)



#51

Chlorobenzene

Concen: 3.113 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. 0.00 min

Lab File: VU036478.D

Acq: 15 Jan 2020 18:40

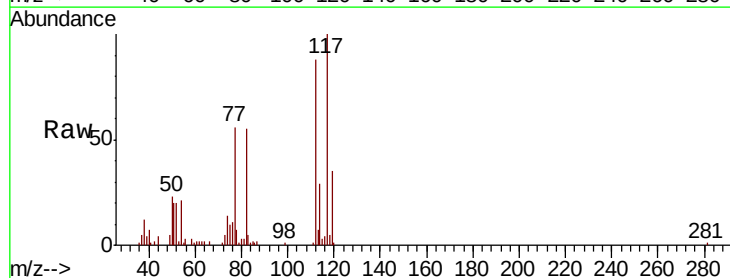
Tgt Ion: 112 Resp: 24921

Ion Ratio Lower Upper

112 100

114 32.8 22.0 41.0

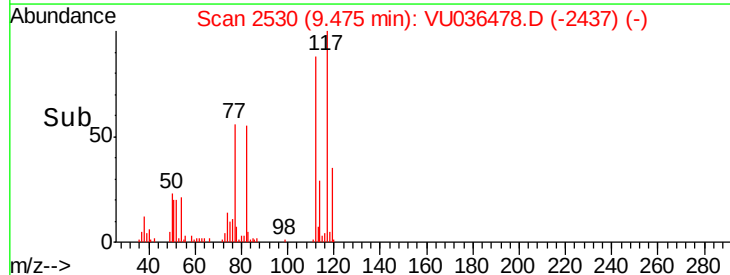
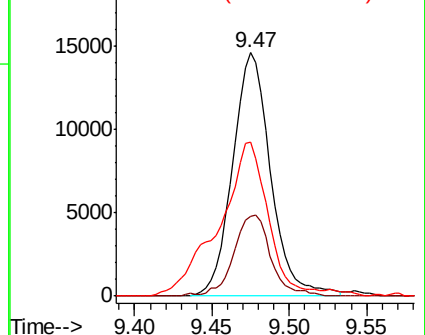
77 63.3 47.8 71.8

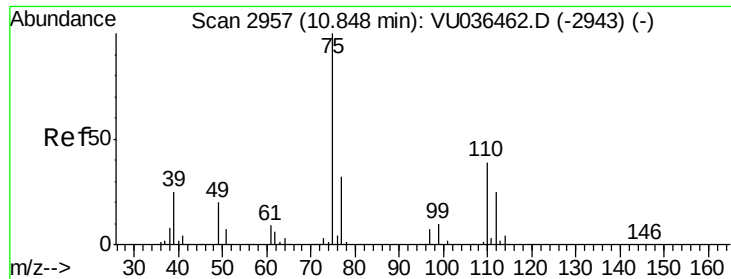


Abundance Ion 112.00 (111.70 to 112.70): VU036462.D (-2516) (-)

Ion 114.00 (113.70 to 114.70): VU036462.D (-2516) (-)

Ion 77.00 (76.70 to 77.70): VU036462.D (-2516) (-)

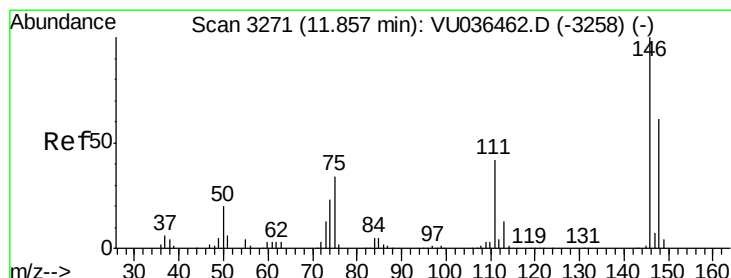
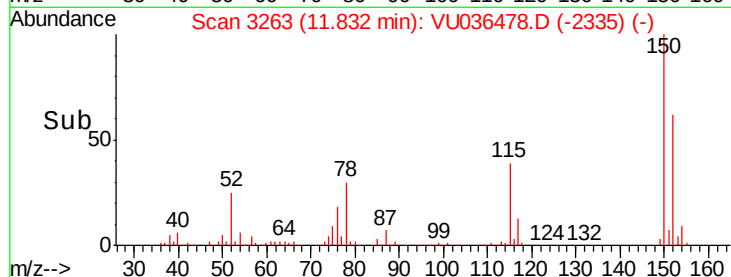
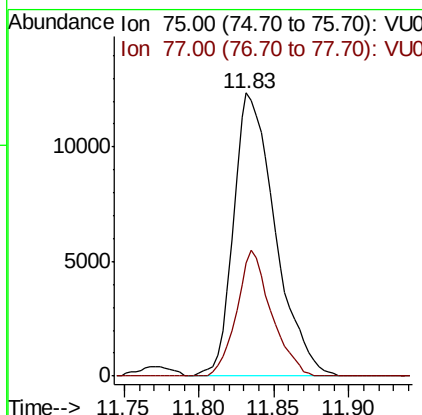
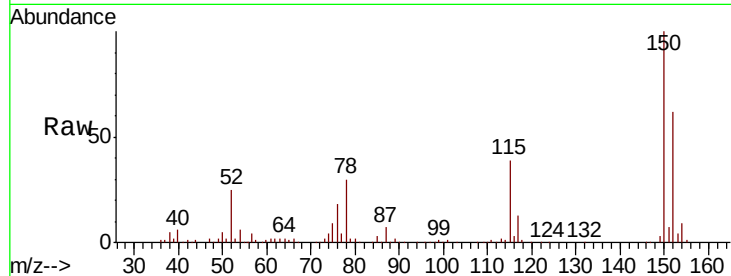




#59
 1,2,3-Trichloropropane
 Concen: 5.584 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.98 min
 Lab File: VU036478.D
 Acq: 15 Jan 2020 18:40

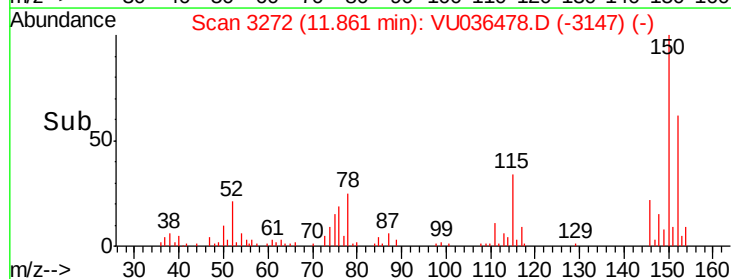
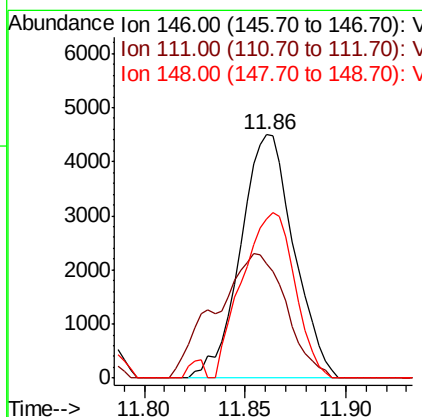
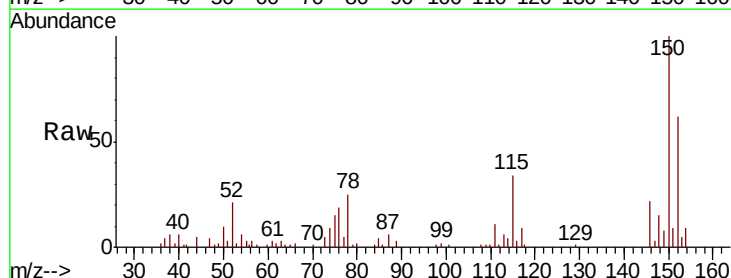
Instrument :
 MSVOA_U
 ClientSampled :

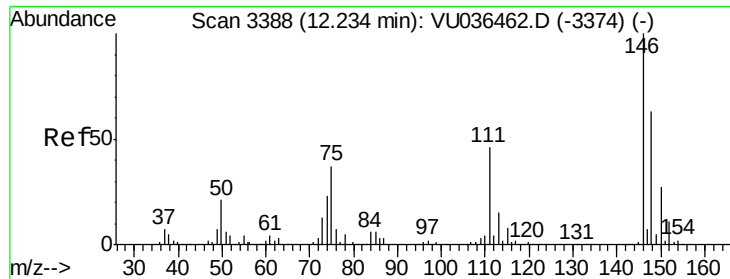
Tot Ion: 75 Resp: 23921
 Ion Ratio Lower Upper
 75 100
 77 37.1 25.0 37.4



#63
 1,4-Dichlorobenzene
 Concen: 1.661 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036478.D
 Acq: 15 Jan 2020 18:40

Tgt Ion: 146 Resp: 8290
 Ion Ratio Lower Upper
 146 100
 111 47.1 29.3 54.3
 148 65.6 43.8 81.3

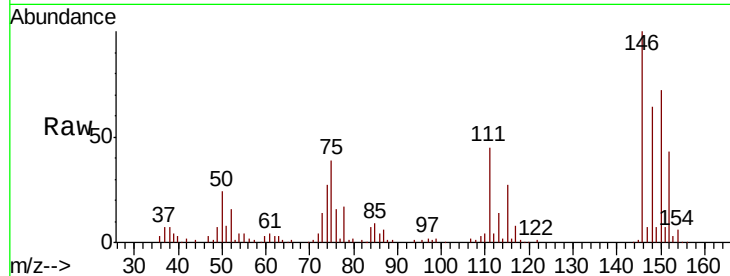




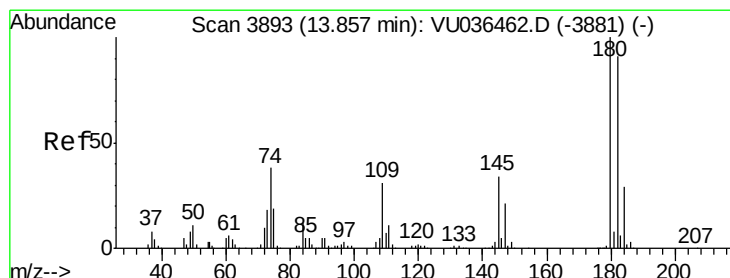
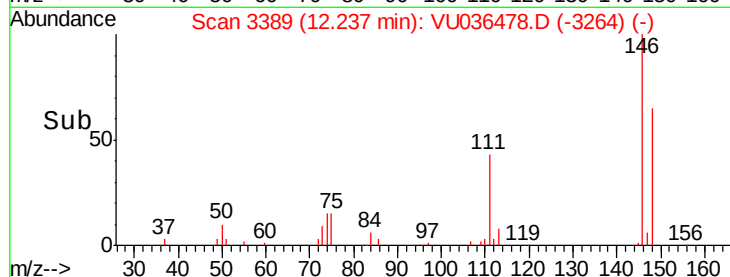
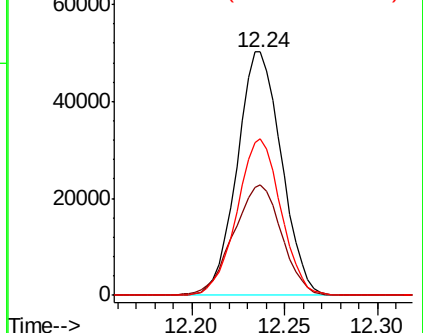
#65
 1,2-Dichlorobenzene
 Concen: 17.076 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036478.D
 Acq: 15 Jan 2020 18:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 83657
 Ion Ratio Lower Upper
 146 100
 111 45.4 37.0 55.4
 148 64.4 52.3 78.5

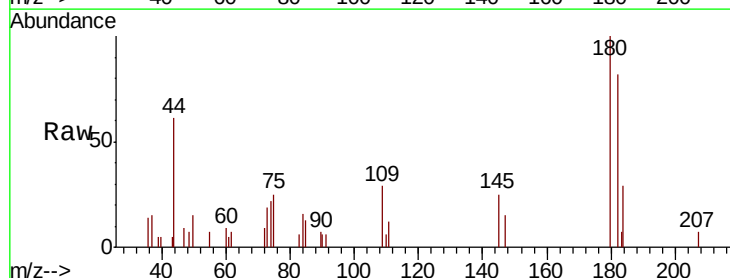


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

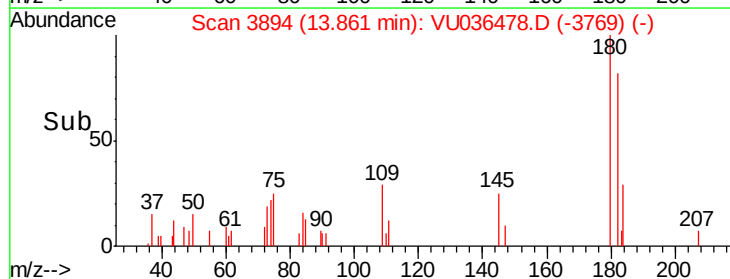
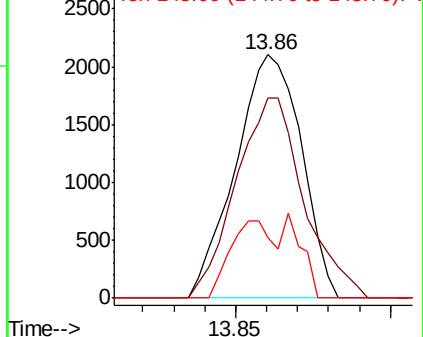


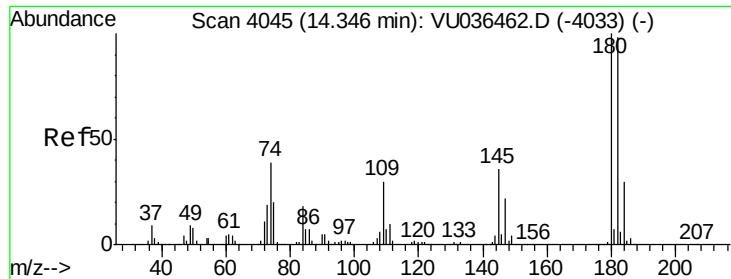
#68
 1,2,4-trichlorobenzene
 Concen: 1.409 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036478.D
 Acq: 15 Jan 2020 18:40

Tgt Ion:180 Resp: 3118
 Ion Ratio Lower Upper
 180 100
 182 84.6 74.1 111.1
 145 9.8 26.6 40.0#



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

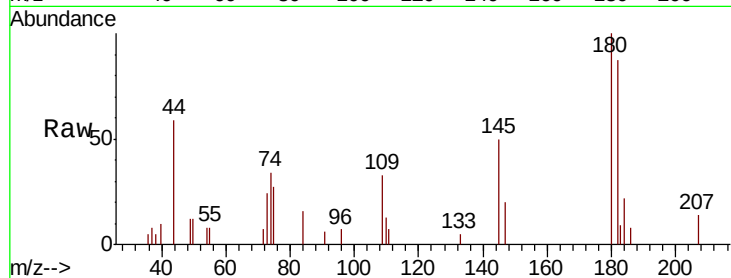




#70
 1,2,3-Trichlorobenzene
 Concen: 1.632 ug/L
 RT: 14.35 min Scan# 4046
 Delta R.T. 0.00 min
 Lab File: VU036478.D
 Acq: 15 Jan 2020 18:40

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 3747
 Ion Ratio Lower Upper
 180 100
 182 85.5 77.1 115.7
 145 37.2 29.2 43.8



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

