

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
 Data File : VU036479.D
 Acq On : 15 Jan 2020 19:04
 Operator : JC/MD
 Sample : L1139-05 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 16 06:00:16 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	445994	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	414843	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	180833	50.00	ug/L	0.00

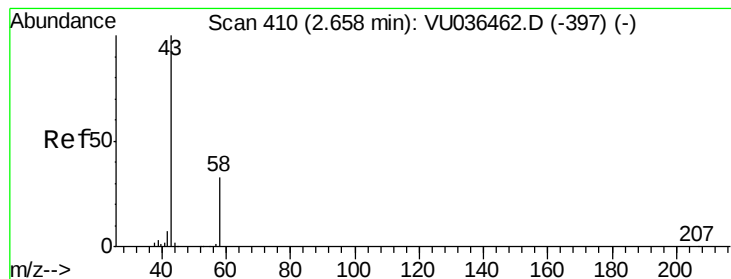
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	130994	45.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.60%
7) Chloroethane-d5	1.87	69	188	0.08	ug/L	-0.06
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.16%#
11) 1,1-Dichloroethene-d2	2.59	63	199024	35.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.70%
21) 2-Butanone-d5	4.68	46	250330	100.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.70%
24) Chloroform-d	5.11	84	283836	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
26) 1,2-Dichloroethane-d4	5.75	65	194589	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
32) Benzene-d6	5.77	84	550306	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
36) 1,2-Dichloropropane-d6	6.73	67	180989	51.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.58%
41) Toluene-d8	7.93	98	518682	50.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.10%
43) trans-1,3-Dichloropropene-	8.21	79	91304	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.08%
47) 2-Hexanone-d5	8.67	63	185413	102.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.54%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	264608	49.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.72%
64) 1,2-Dichlorobenzene-d4	12.22	152	175156	49.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.36%

Target Compounds

					Ovalue
13) Acetone	2.66	43	9100	3.382	ug/L 92
25) Chloroform	5.14	83	11127	1.912	ug/L 100
27) 1,2-Dichloroethane	5.82	62	4099	0.889	ug/L # 77
33) Benzene	5.82	78	565403	47.432	ug/L 100
39) cis-1,3-Dichloropropene	7.60	75	7571	1.480	ug/L # 57
44) trans-1,3-Dichloropropene	8.21	75	4997	1.055	ug/L 84
51) Chlorobenzene	9.47	112	1462966	179.697	ug/L 99
62) 1,3-Dichlorobenzene	11.77	146	73737	12.949	ug/L 97
63) 1,4-Dichlorobenzene	11.86	146	587825	102.737	ug/L 99
65) 1,2-Dichlorobenzene	12.24	146	734810	130.828	ug/L 97
67) 1,3,5-Trichlorobenzene	13.86	180	56498	16.408	ug/L 99
68) 1,2,4-trichlorobenzene	13.86	180	56498	22.265	ug/L 98
70) 1,2,3-Trichlorobenzene	14.35	180	17672	6.713	ug/L 99

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



#13

Acetone

Concen: 3.382 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036479.D

Acq: 15 Jan 2020 19:04

Instrument :

MSVOA_U

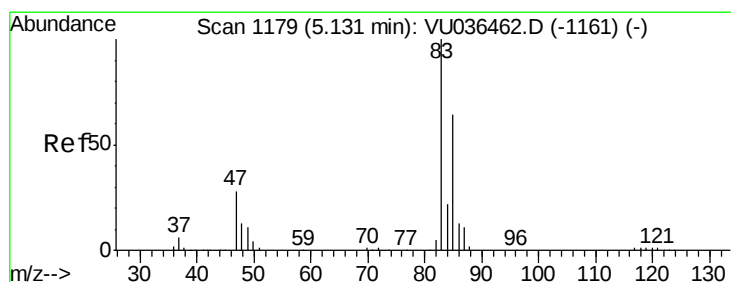
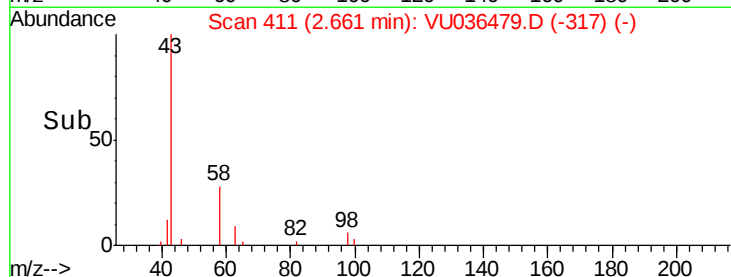
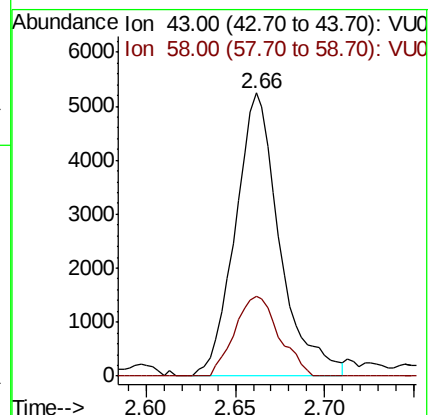
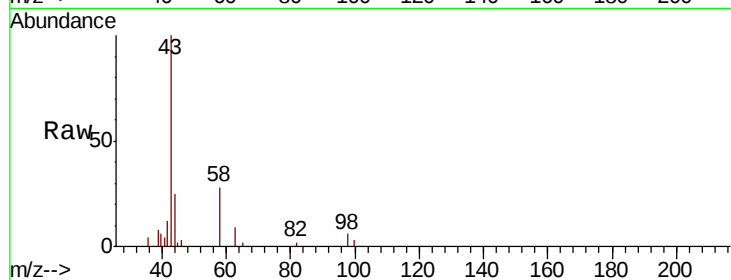
ClientSampleId :

Tot Ion: 43 Resp: 9100

Ion Ratio Lower Upper

43 100

58 28.0 0.0 65.0



#25

Chloroform

Concen: 1.912 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VU036479.D

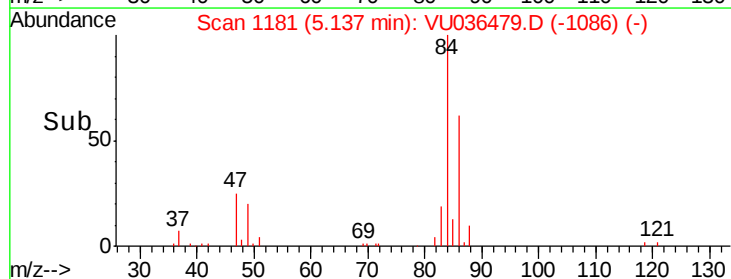
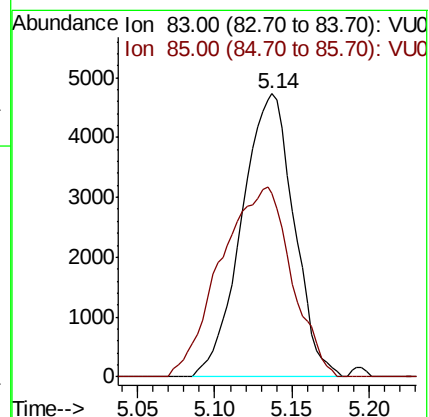
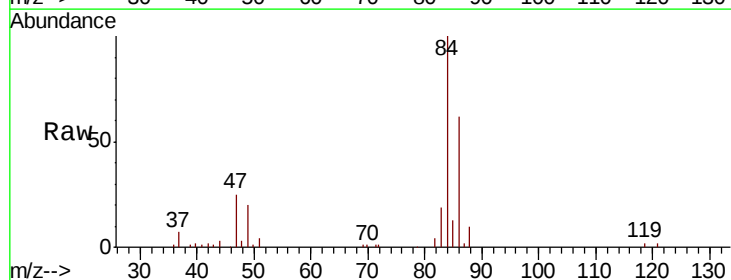
Acq: 15 Jan 2020 19:04

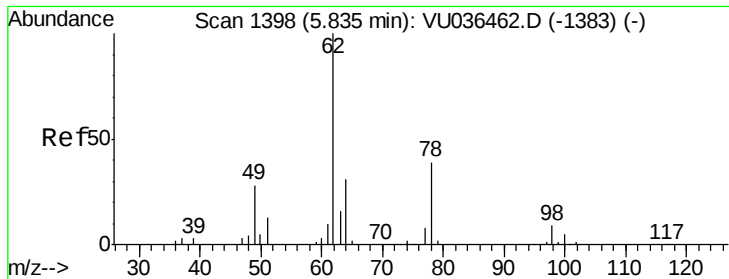
Tgt Ion: 83 Resp: 11127

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.9





#27

1,2-Dichloroethane

Concen: 0.889 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.02 min

Lab File: VU036479.D

Acq: 15 Jan 2020 19:04

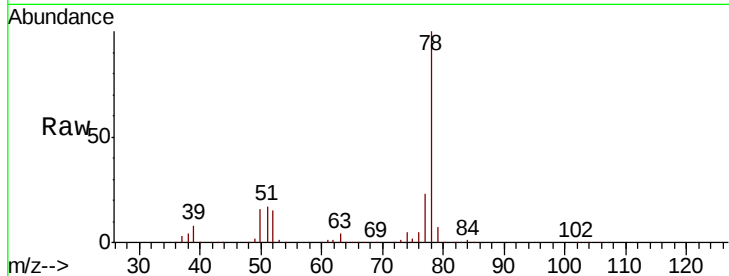
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 4099

Ion Ratio Lower Upper

62 100

98 0.0 6.6 9.8#



Abundance Ion 62.00 (61.70 to 62.70): VU036462.D (-1383) (-)

Ion 98.00 (97.70 to 98.70): VU036462.D (-1383) (-)

5.82

2500

2000

1500

1000

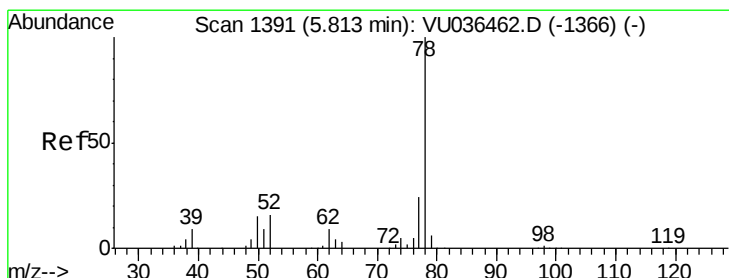
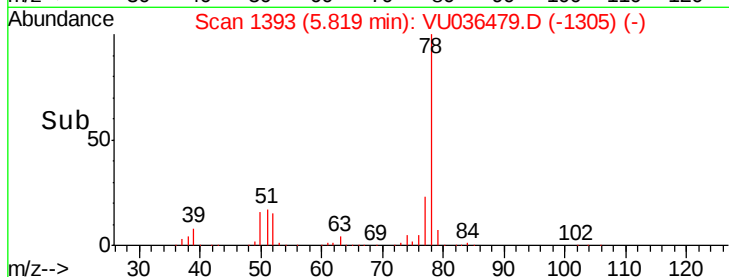
500

0

Time-->

5.80

5.85



#33

Benzene

Concen: 47.432 ug/L

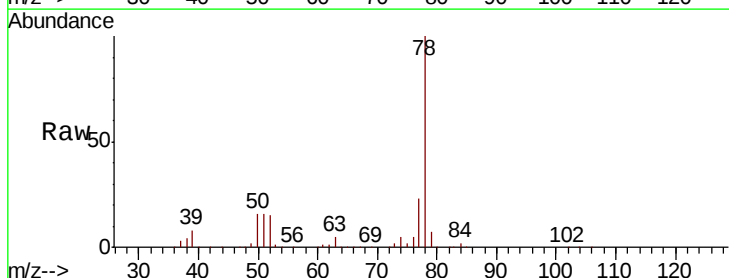
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036479.D

Acq: 15 Jan 2020 19:04

Tgt Ion: 78 Resp: 565403



Abundance Ion 78.00 (77.70 to 78.70): VU036462.D (-1366) (-)

300000

250000

200000

150000

100000

50000

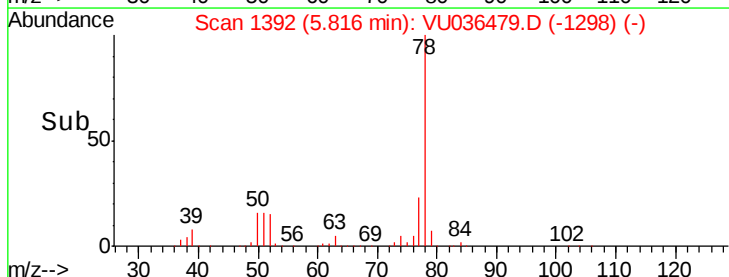
0

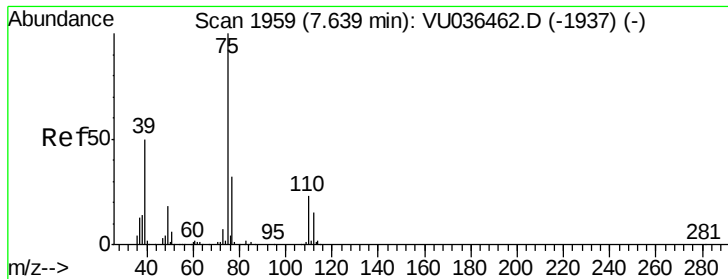
Time-->

5.70

5.80

5.90

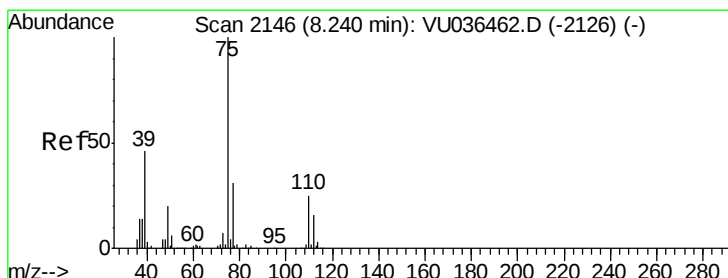
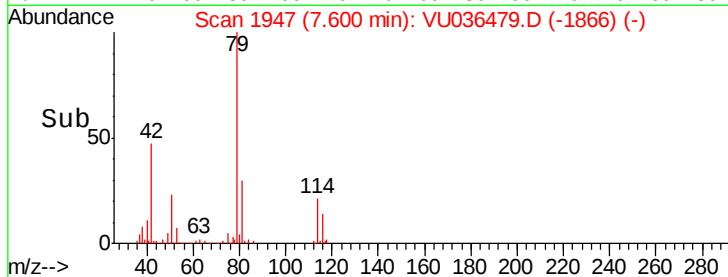
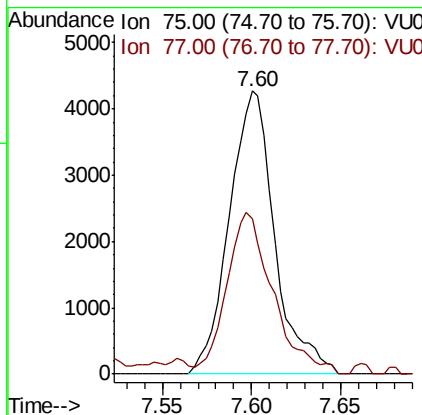
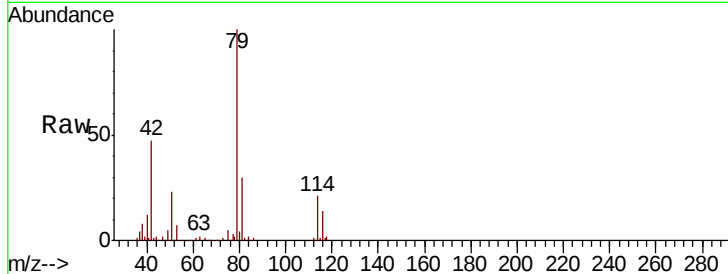




#39
 cis-1,3-Dichloropropene
 Concen: 1.480 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036479.D
 Acq: 15 Jan 2020 19:04

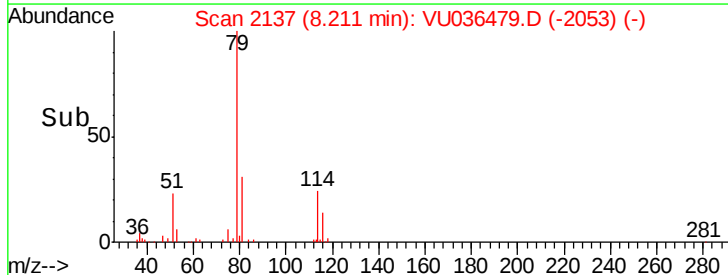
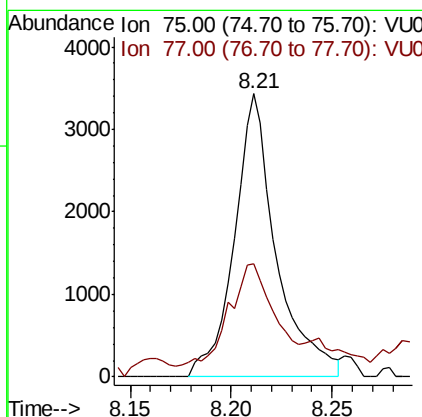
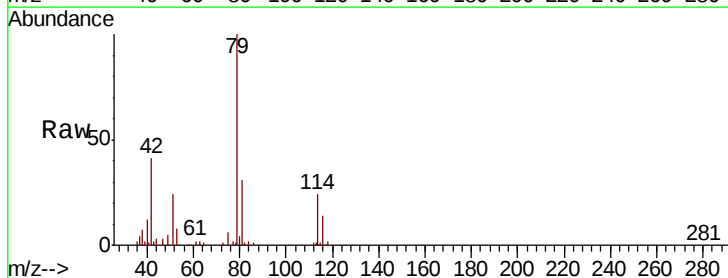
Instrument :
 MSVOA_U
 ClientSampleId :

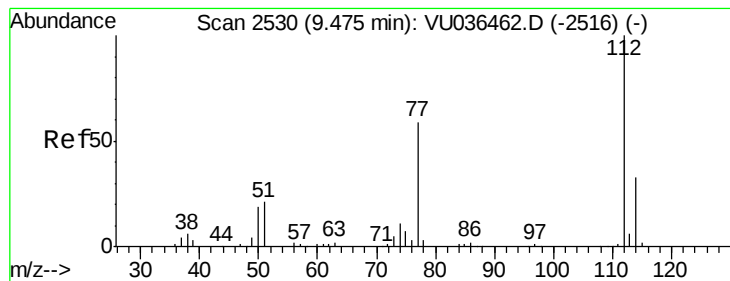
Tot Ion: 75 Resp: 7571
 Ion Ratio Lower Upper
 75 100
 77 54.8 21.8 40.4#



#44
 trans-1,3-Dichloropropene
 Concen: 1.055 ug/L
 RT: 8.21 min Scan# 2137
 Delta R.T. -0.03 min
 Lab File: VU036479.D
 Acq: 15 Jan 2020 19:04

Tgt Ion: 75 Resp: 4997
 Ion Ratio Lower Upper
 75 100
 77 39.9 21.8 40.4





#51

Chlorobenzene

Concen: 179.697 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036479.D

Acq: 15 Jan 2020 19:04

Instrument :
MSVOA_U
ClientSampled :

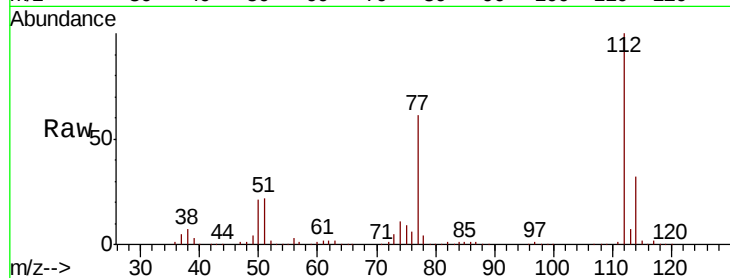
Tot Ion:112 Resp: 1462966

Ion Ratio Lower Upper

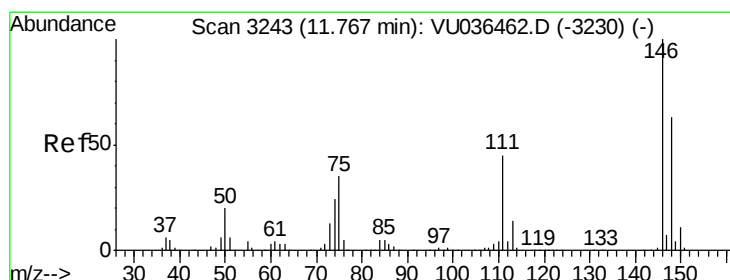
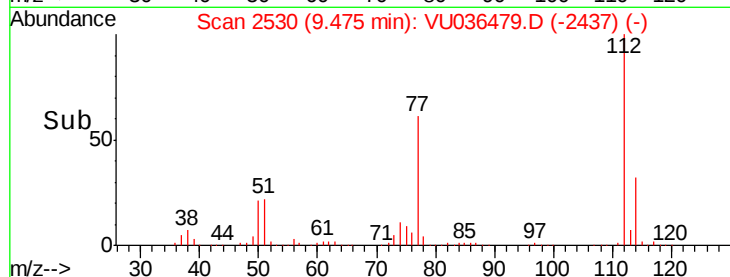
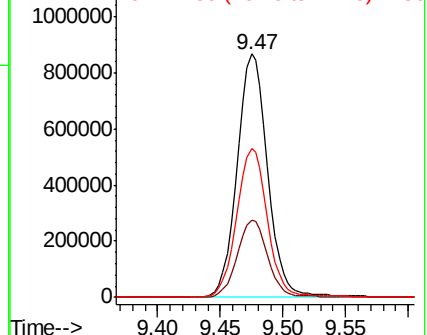
112 100

114 31.9 22.0 41.0

77 61.0 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): V



#62

1,3-Dichlorobenzene

Concen: 12.949 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036479.D

Acq: 15 Jan 2020 19:04

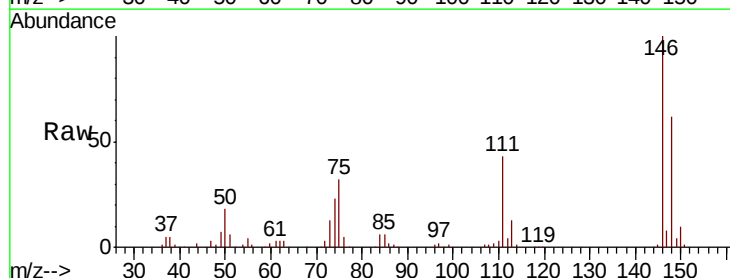
Tgt Ion:146 Resp: 73737

Ion Ratio Lower Upper

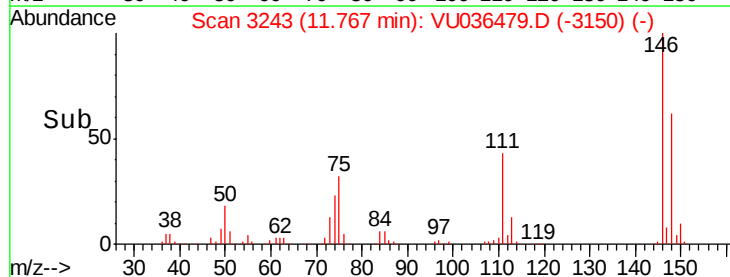
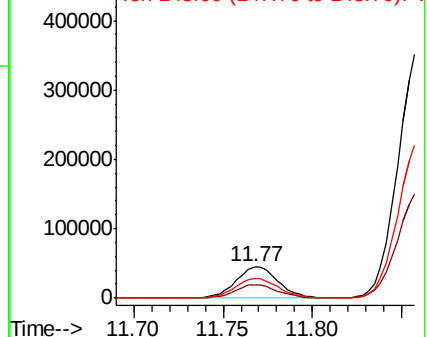
146 100

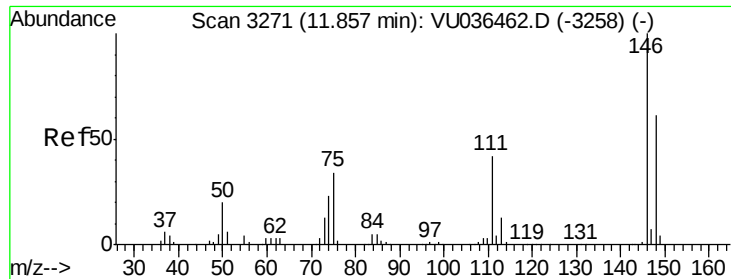
111 42.7 31.3 58.1

148 61.7 44.7 82.9



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: 102.737 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036479.D

Acq: 15 Jan 2020 19:04

Instrument :

MSVOA_U

ClientSampled :

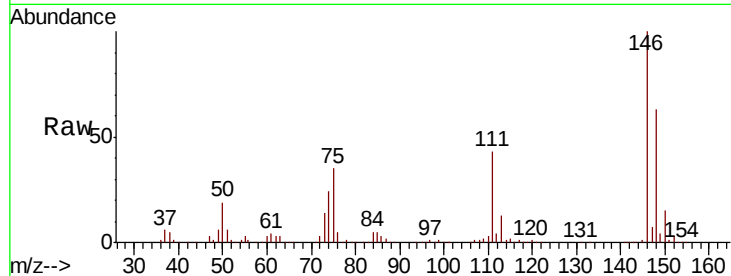
Tot Ion:146 Resp: 587825

Ion Ratio Lower Upper

146 100

111 42.8 29.3 54.3

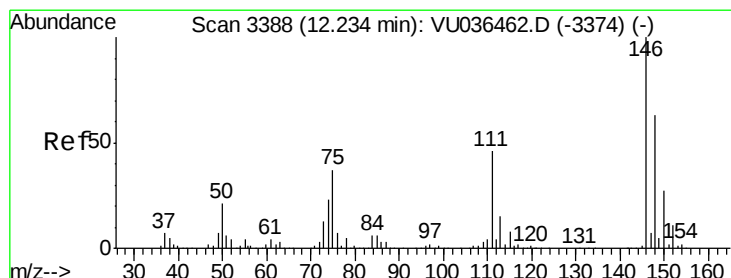
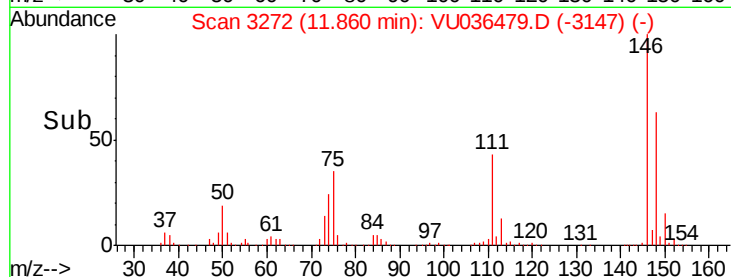
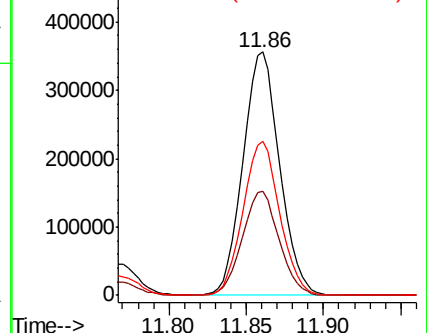
148 63.2 43.8 81.3



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: 130.828 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU036479.D

Acq: 15 Jan 2020 19:04

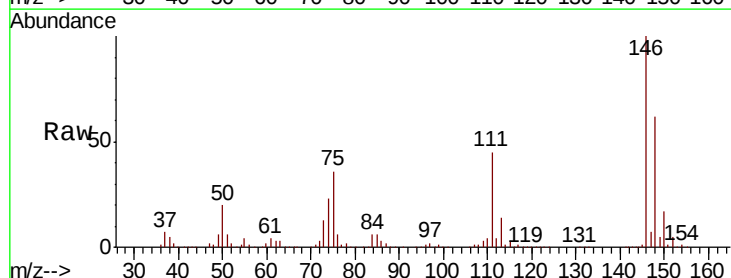
Tgt Ion:146 Resp: 734810

Ion Ratio Lower Upper

146 100

111 45.5 37.0 55.4

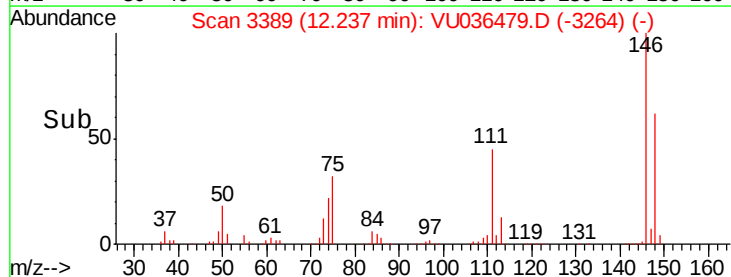
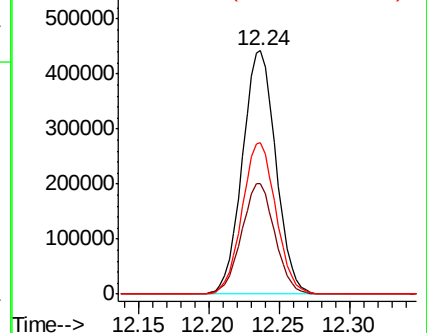
148 62.0 52.3 78.5

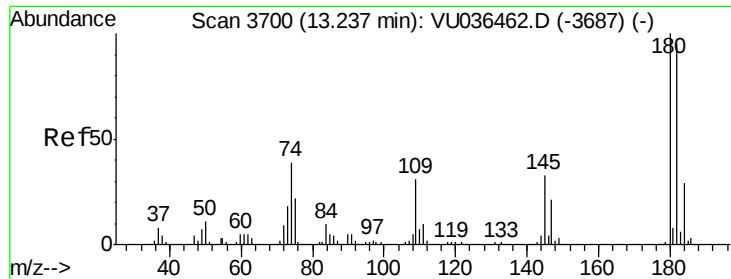


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

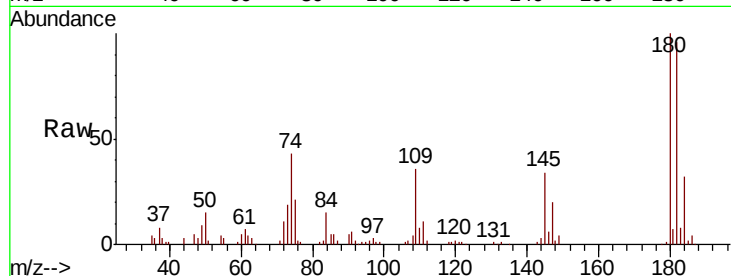




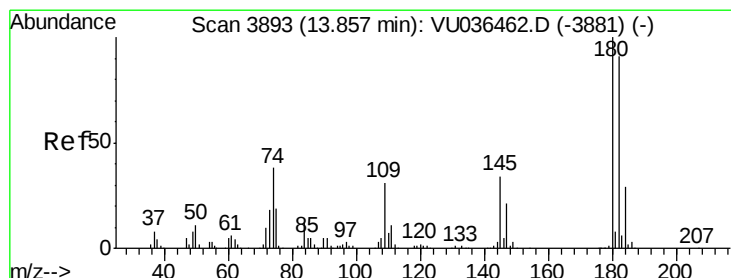
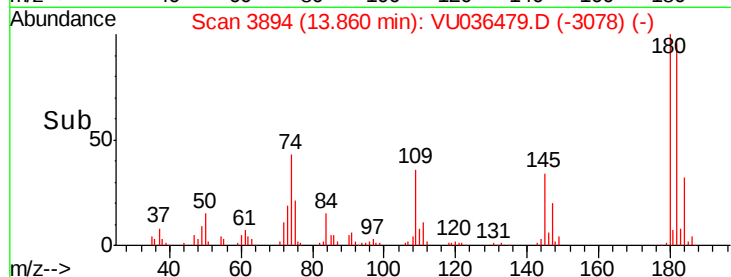
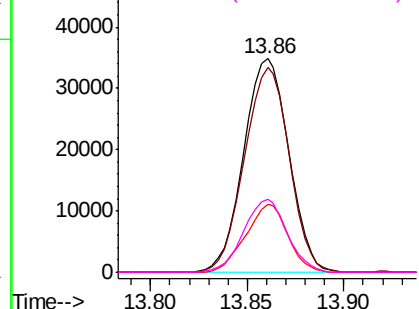
#67
 1,3,5-Trichlorobenzene
 Concen: 16.408 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.62 min
 Lab File: VU036479.D
 Acq: 15 Jan 2020 19:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 56498
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.8 113.6
 184 29.8 24.4 36.6
 145 32.8 26.6 39.8

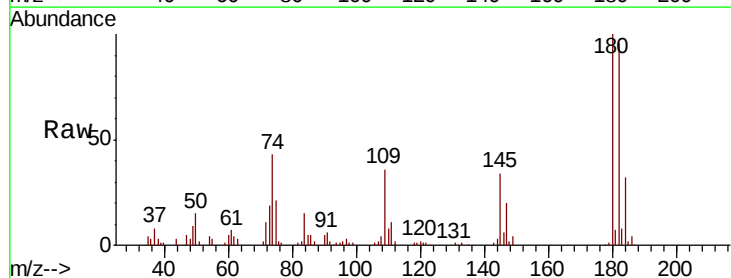


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

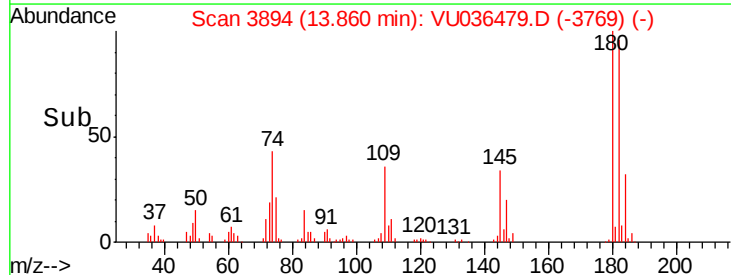
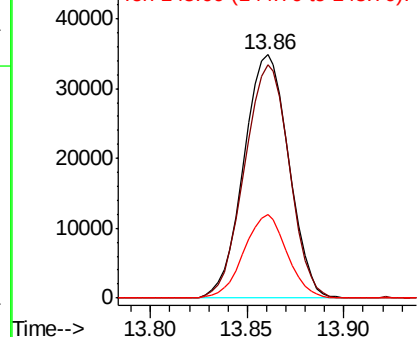


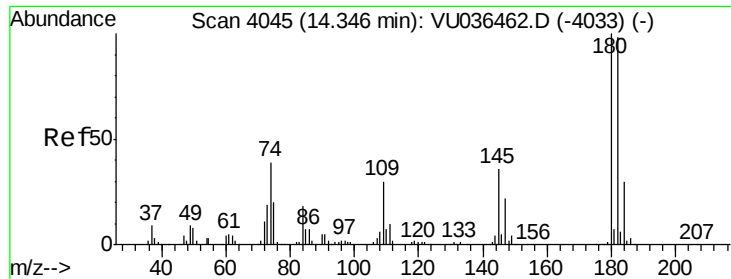
#68
 1,2,4-trichlorobenzene
 Concen: 22.265 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036479.D
 Acq: 15 Jan 2020 19:04

Tgt Ion:180 Resp: 56498
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.1 111.1
 145 32.8 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: 6.713 ug/L
 RT: 14.35 min Scan# 4046
 Delta R.T. 0.00 min
 Lab File: VU036479.D
 Acq: 15 Jan 2020 19:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	180	100		
182	182	95.1	77.1	115.7
145	145	35.7	29.2	43.8

