

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111819\
 Data File : VU035746.D
 Acq On : 18 Nov 2019 16:21
 Operator : JC/SP
 Sample : K5911-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:36:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 19 00:32:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	190289	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	218059	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	73418	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	86582	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.93	69	81930	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.60	63	112234	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.70	46	224790	51.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.96%
24) Chloroform-d	5.11	84	154833	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.75	65	87410	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.77	84	313840	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.74	67	107465	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.93	98	257708	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	8.22	79	38577	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.71	63	152335	43.86	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.72%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	92614	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	73534	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

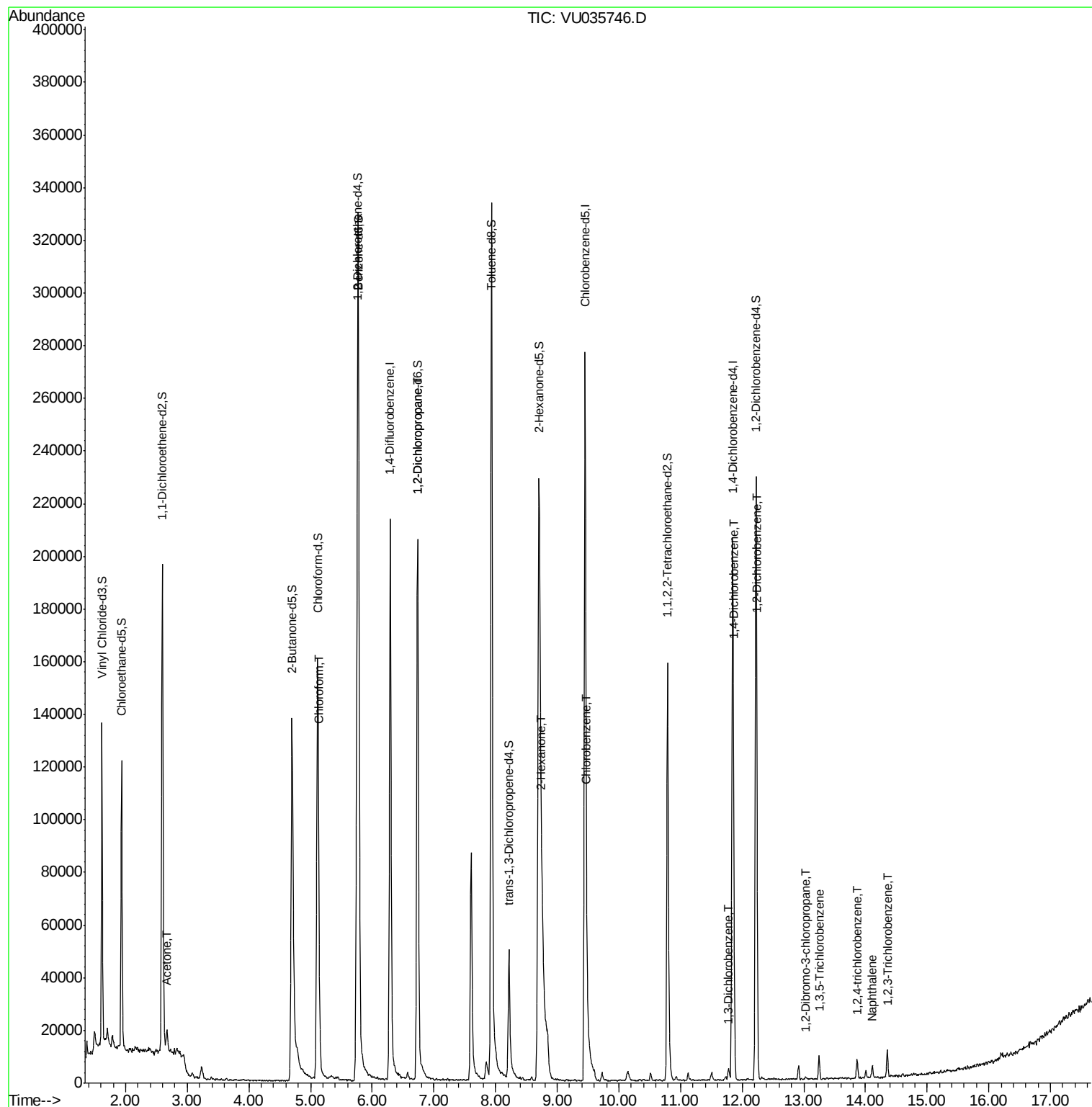
					Ovalue
13) Acetone	2.67	43	8564	2.747	ug/L 90
25) Chloroform	5.14	83	13520	0.389	ug/L 86
37) 1,2-Dichloropropane	6.74	63	10719	0.530	ug/L # 87
48) 2-Hexanone	8.75	43	18928	2.291	ug/L # 89
51) Chlorobenzene	9.48	112	3875	0.073	ug/L # 83
62) 1,3-Dichlorobenzene	11.78	146	2471	0.100	ug/L 98
63) 1,4-Dichlorobenzene	11.87	146	3034	0.128	ug/L # 88
65) 1,2-Dichlorobenzene	12.25	146	3831	0.165	ug/L 88
66) 1,2-Dibromo-3-chloropropan	13.03	75	225	0.153	ug/L # 55
67) 1,3,5-Trichlorobenzene	13.25	180	3346	0.210	ug/L 94
68) 1,2,4-trichlorobenzene	13.87	180	3026	0.316	ug/L 96
69) Naphthalene	14.11	128	3817	0.323	ug/L 97
70) 1,2,3-Trichlorobenzene	14.36	180	3964	0.428	ug/L 96

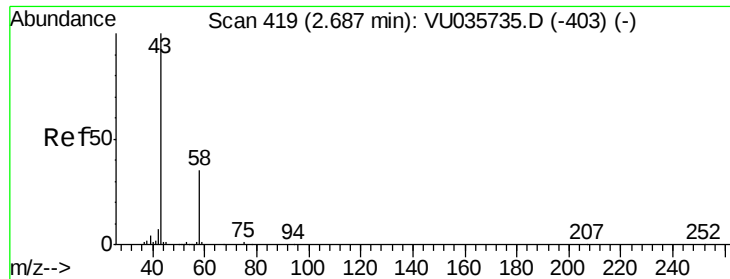
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.747 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU035746.D

Acq: 18 Nov 2019 16:21

Instrument :

MSVOA_U

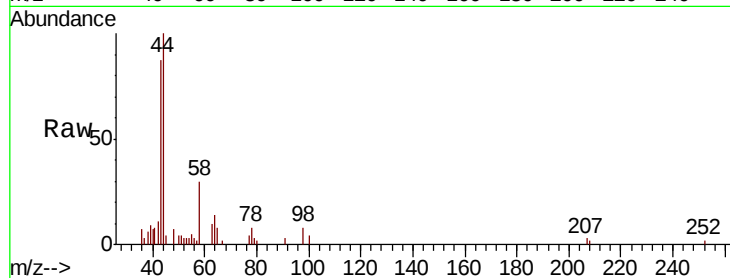
ClientSampleId :

Tot Ion: 43 Resp: 8564

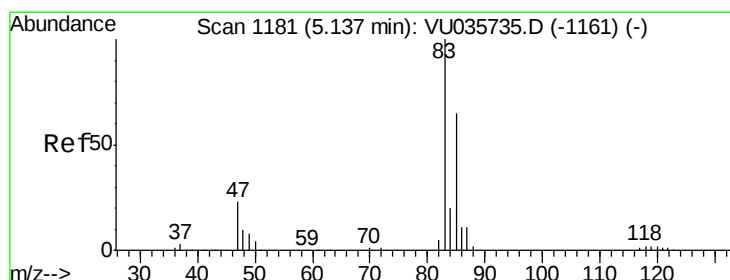
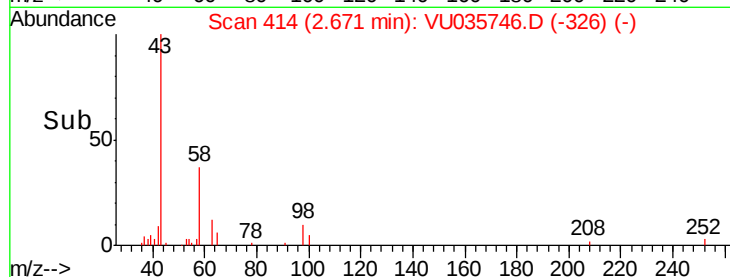
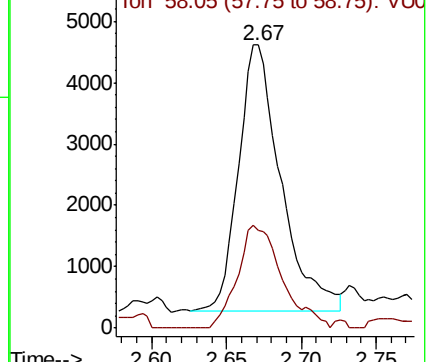
Ion Ratio Lower Upper

43 100

58 40.6 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035735.D (-403) (-)



#25

Chloroform

Concen: 0.389 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU035746.D

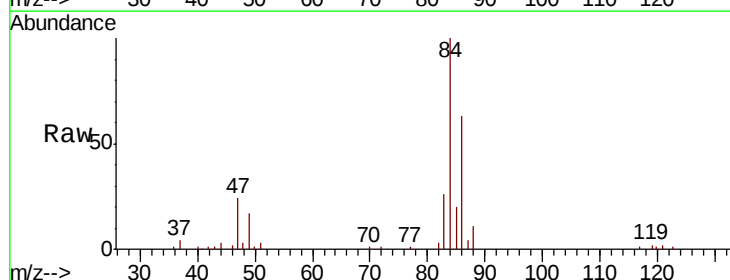
Acq: 18 Nov 2019 16:21

Tgt Ion: 83 Resp: 13520

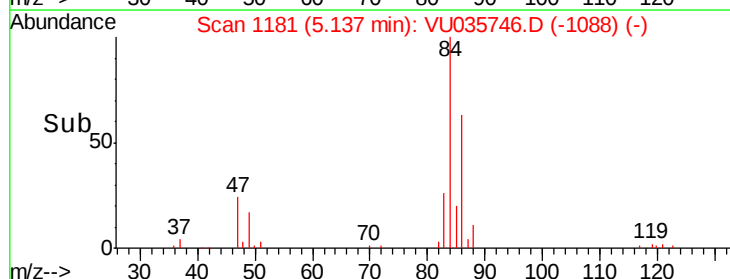
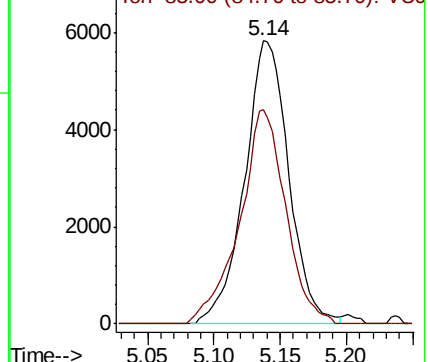
Ion Ratio Lower Upper

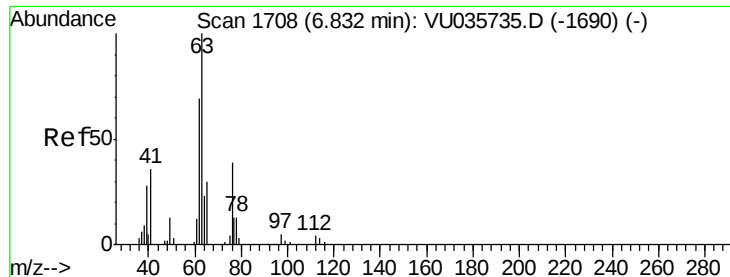
83 100

85 75.7 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VU035735.D (-1161) (-)

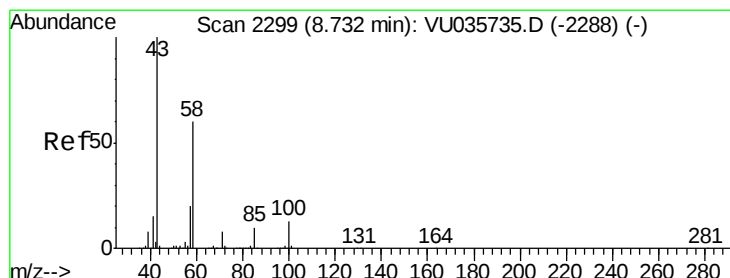
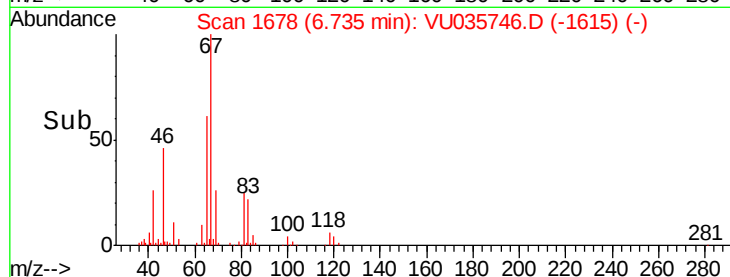
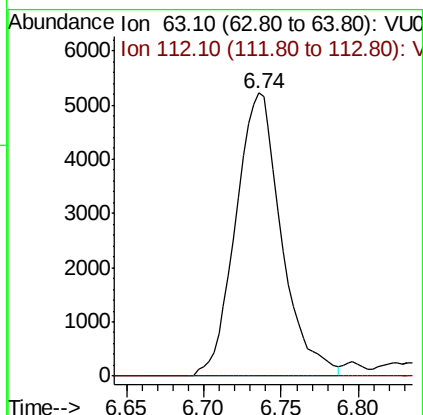
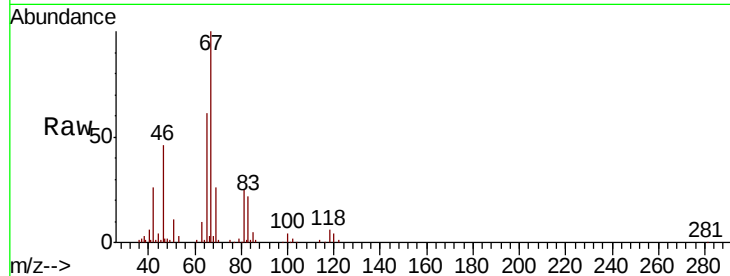




#37
 1,2-Dichloropropane
 Concen: 0.530 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035746.D
 Acq: 18 Nov 2019 16:21

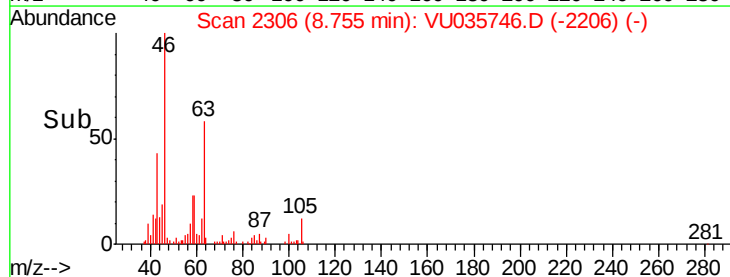
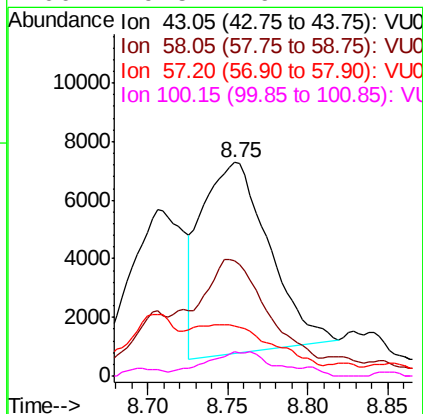
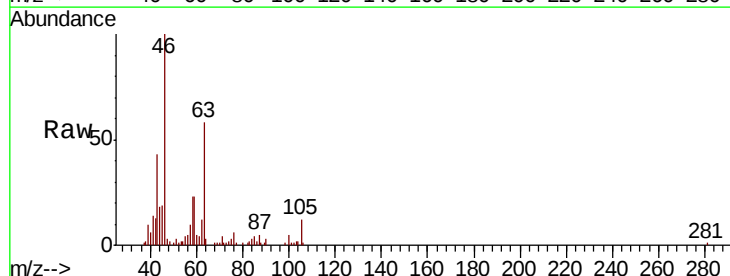
Instrument :
 MSVOA_U
 ClientSampleId :

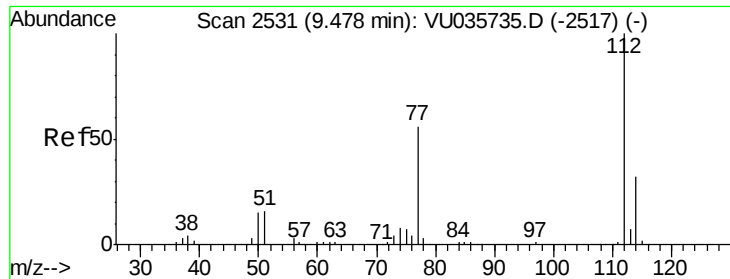
Tot Ion: 63 Resp: 10719
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#48
 2-Hexanone
 Concen: 2.291 ug/L
 RT: 8.75 min Scan# 2306
 Delta R.T. 0.02 min
 Lab File: VU035746.D
 Acq: 18 Nov 2019 16:21

Tgt Ion: 43 Resp: 18928
 Ion Ratio Lower Upper
 43 100
 58 56.4 44.1 66.1
 57 0.0 15.1 22.7#
 100 9.5 9.4 14.2

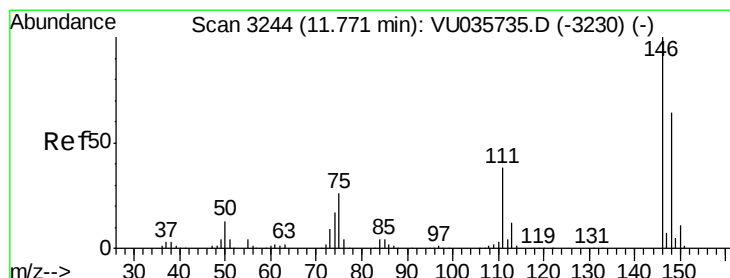
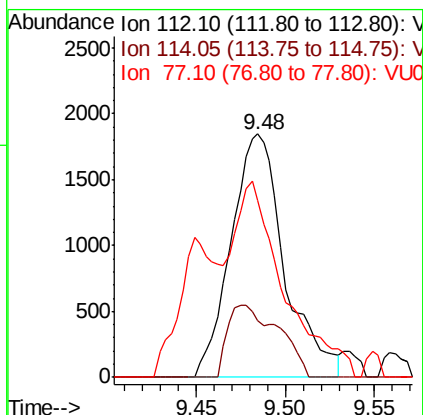
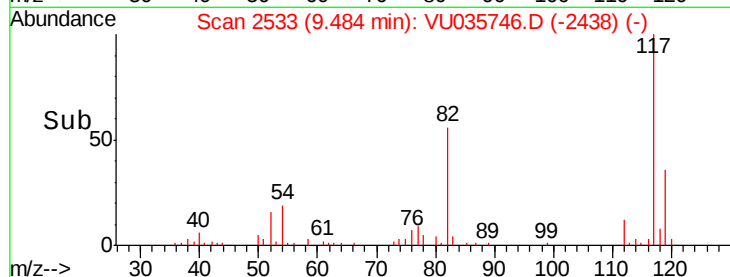
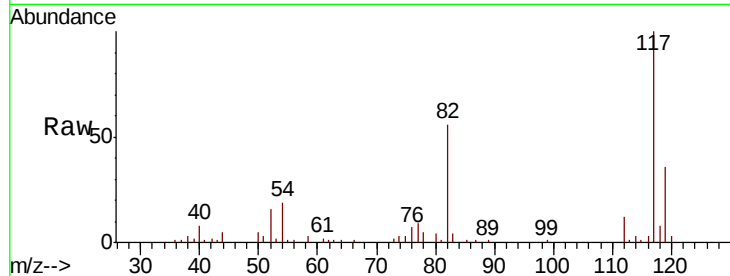




#51
Chlorobenzene
Concen: 0.073 ug/L
RT: 9.48 min Scan# 2533
Delta R.T. 0.01 min
Lab File: VU035746.D
Acq: 18 Nov 2019 16:21

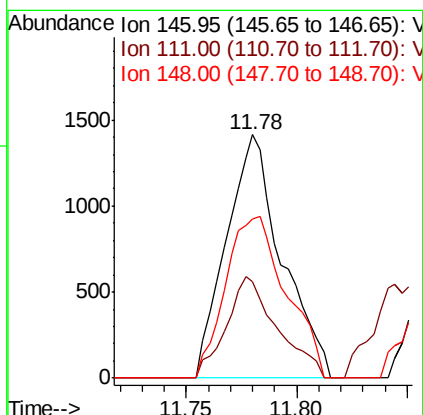
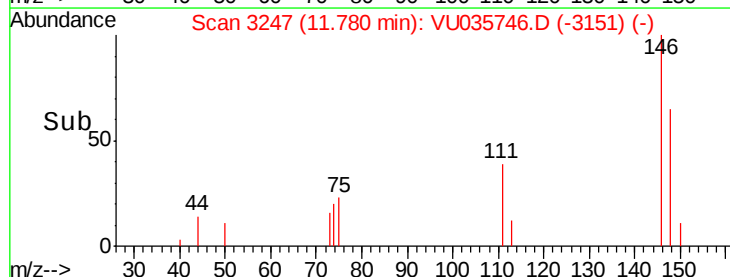
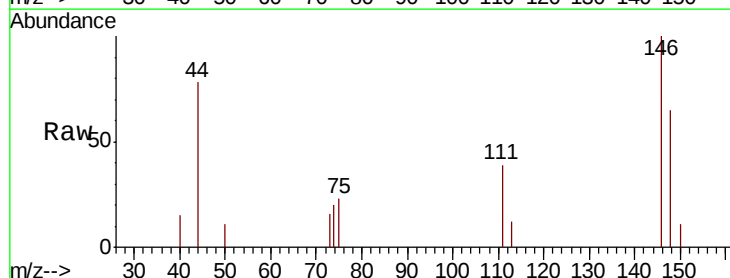
Instrument :
MSVOA_U
ClientSampleId :

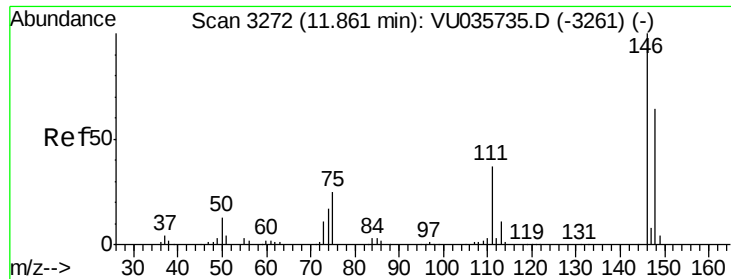
Tot Ion:112 Resp: 3875
Ion Ratio Lower Upper
112 100
114 22.0 22.3 41.5#
77 67.9 44.3 66.5#



#62
1,3-Dichlorobenzene
Concen: 0.100 ug/L
RT: 11.78 min Scan# 3247
Delta R.T. 0.01 min
Lab File: VU035746.D
Acq: 18 Nov 2019 16:21

Tgt Ion:146 Resp: 2471
Ion Ratio Lower Upper
146 100
111 39.4 26.7 49.5
148 65.3 44.5 82.7





#63

1,4-Dichlorobenzene

Concen: 0.128 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. 0.01 min

Lab File: VU035746.D

Acq: 18 Nov 2019 16:21

Instrument :

MSVOA_U

ClientSampled :

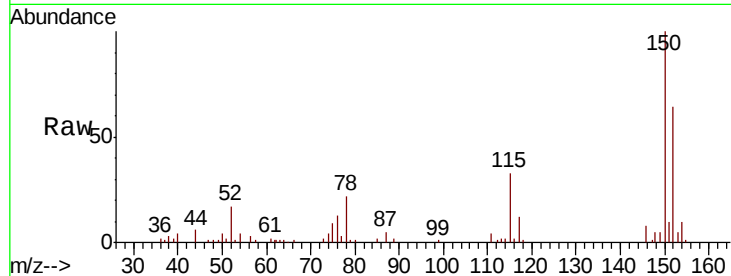
Tot Ion:146 Resp: 3034

Ion Ratio Lower Upper

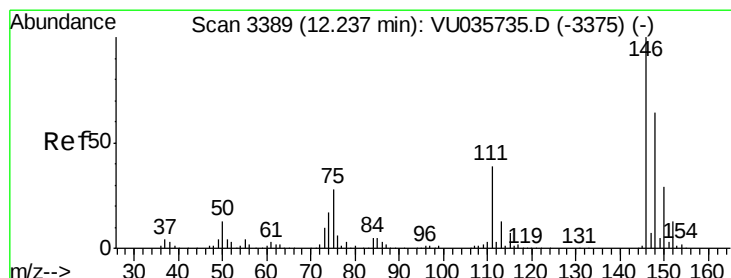
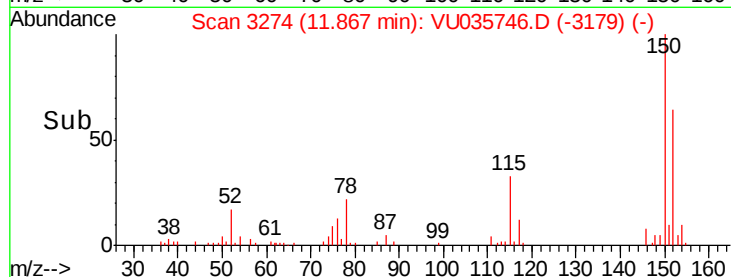
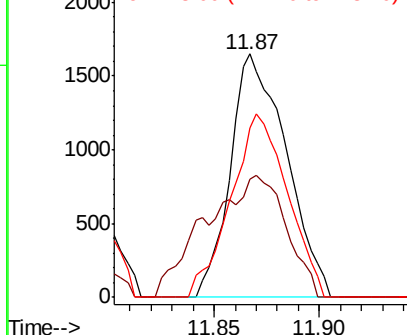
146 100

111 48.7 25.9 48.1#

148 69.4 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.165 ug/L

RT: 12.25 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VU035746.D

Acq: 18 Nov 2019 16:21

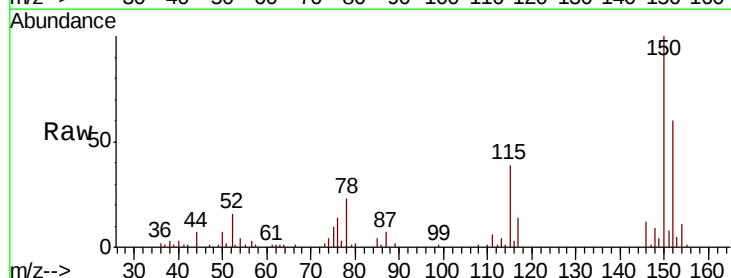
Tgt Ion:146 Resp: 3831

Ion Ratio Lower Upper

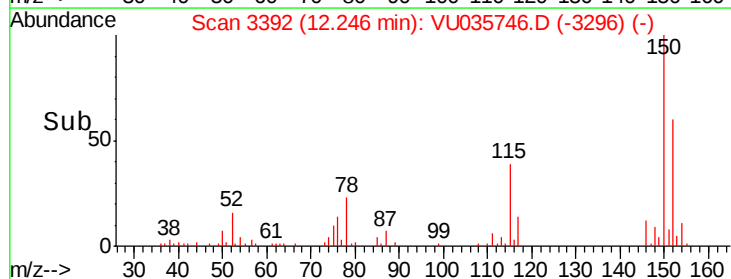
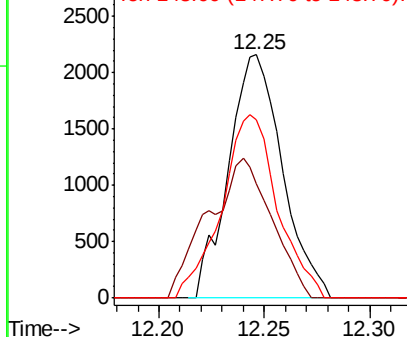
146 100

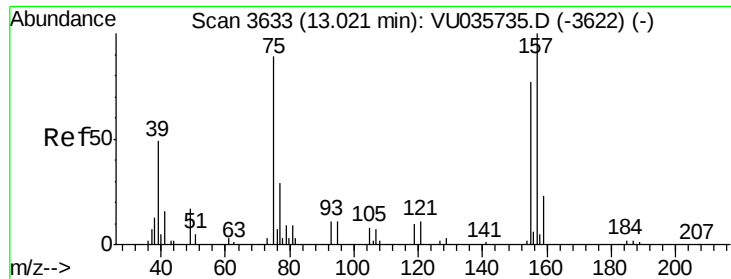
111 46.7 32.2 48.4

148 73.5 50.7 76.1



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

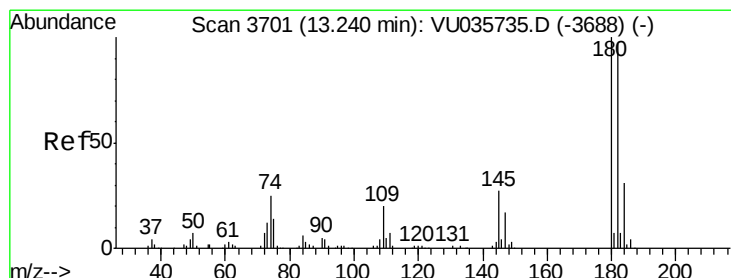
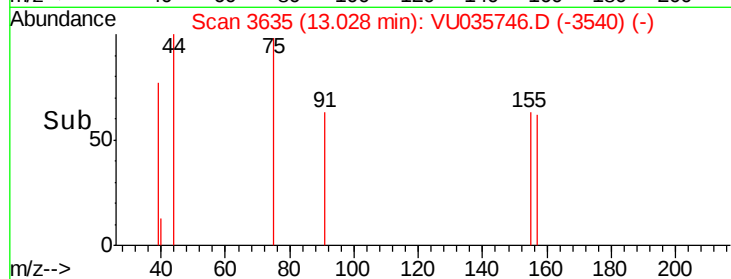
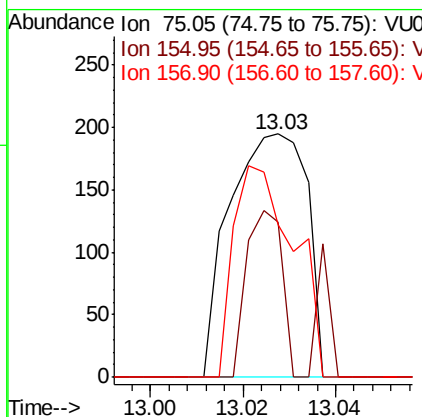
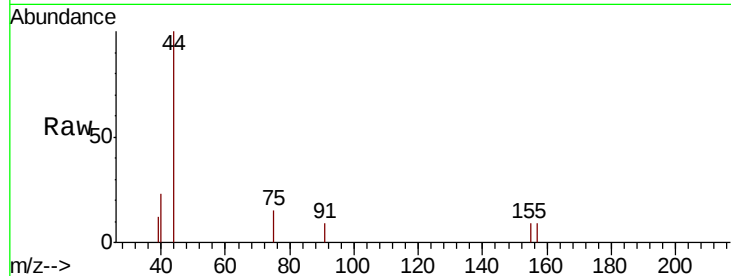




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.153 ug/L
 RT: 13.03 min Scan# 3635
 Delta R.T. 0.01 min
 Lab File: VU035746.D
 Acq: 18 Nov 2019 16:21

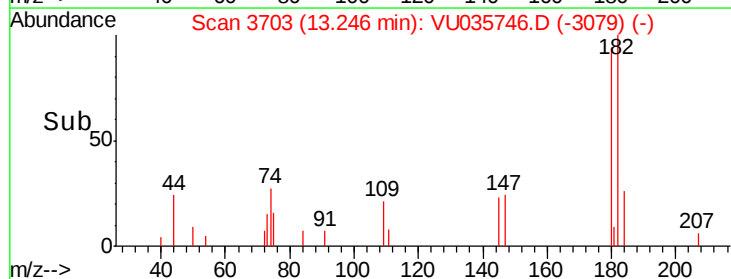
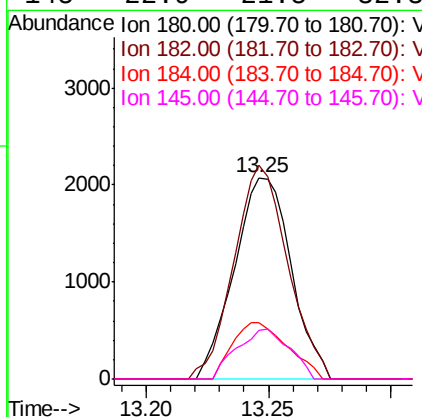
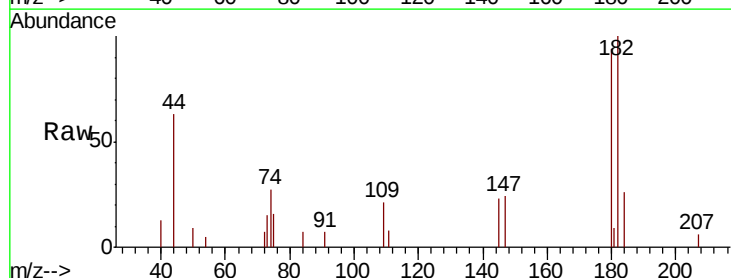
Instrument :
 MSVOA_U
 ClientSampled :

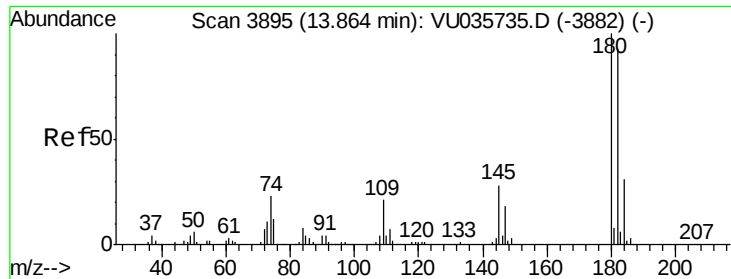
Tot Ion: 75 Resp: 225
 Ion Ratio Lower Upper
 75 100
 155 63.6 73.3 109.9#
 157 62.6 102.2 153.4#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.210 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU035746.D
 Acq: 18 Nov 2019 16:21

Tgt Ion: 180 Resp: 3346
 Ion Ratio Lower Upper
 180 100
 182 100.6 75.9 113.9
 184 27.1 24.1 36.1
 145 22.9 21.5 32.3





#68

1,2,4-trichlorobenzene

Concen: 0.316 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU035746.D

Acq: 18 Nov 2019 16:21

Instrument :

MSVOA_U

ClientSampleId :

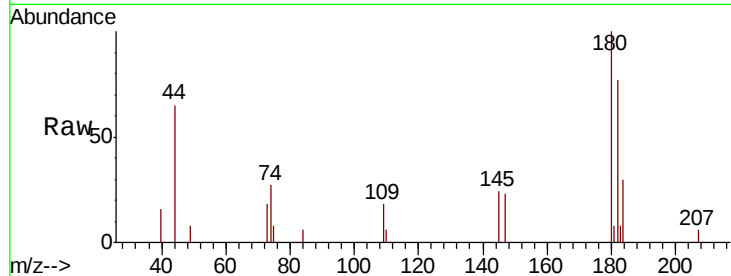
Tot Ion:180 Resp: 3026

Ion Ratio Lower Upper

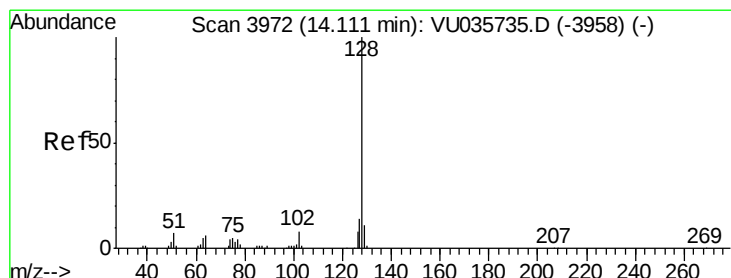
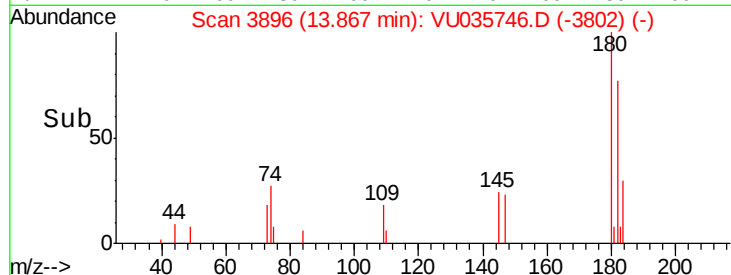
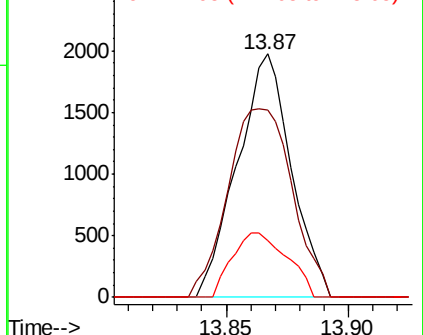
180 100

182 92.7 77.4 116.2

145 27.0 22.2 33.4



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V



#69

Naphthalene

Concen: 0.323 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035746.D

Acq: 18 Nov 2019 16:21

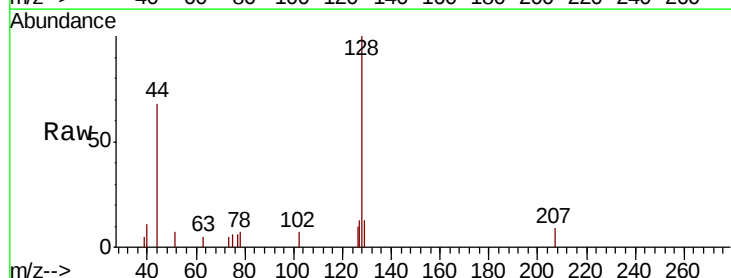
Tgt Ion:128 Resp: 3817

Ion Ratio Lower Upper

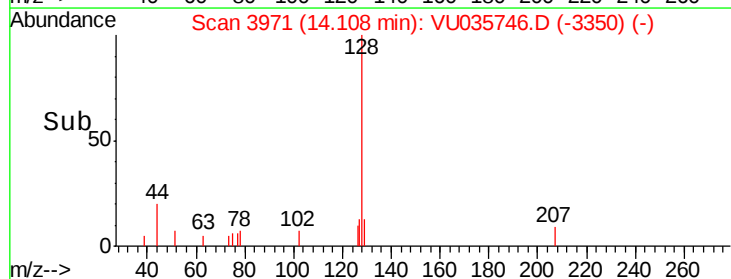
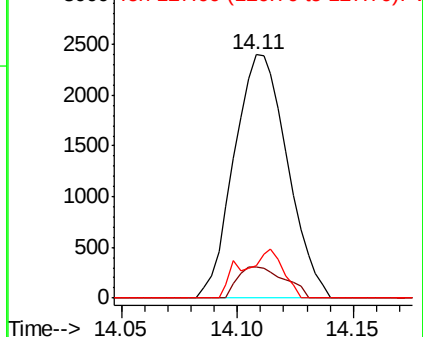
128 100

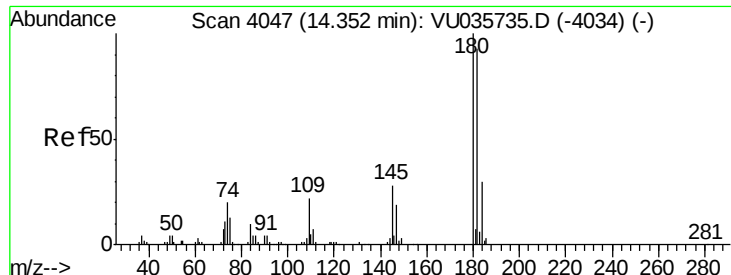
129 11.1 8.1 12.1

127 15.2 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.428 ug/L
 RT: 14.36 min Scan# 4048
 Delta R.T. 0.00 min
 Lab File: VU035746.D
 Acq: 18 Nov 2019 16:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 3964
 Ion Ratio Lower Upper
 180 100
 182 88.7 74.8 112.2
 145 30.1 23.6 35.4

