

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112019\
 Data File : VU035786.D
 Acq On : 20 Nov 2019 13:54
 Operator : JC/SP
 Sample : K5811-03ME
 Misc : 5.83g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 04:11:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 21 04:09:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	655216	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	680352	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	271290	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	216305	40.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.74%
7) Chloroethane-d5	1.89	69	166421	39.38	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.76%
11) 1,1-Dichloroethene-d2	2.56	63	303032	36.82	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.64%
21) 2-Butanone-d5	4.70	46	417553	135.08	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	135.08%#
24) Chloroform-d	5.11	84	420142	51.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.82%
26) 1,2-Dichloroethane-d4	5.75	65	297808	59.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.96%
32) Benzene-d6	5.76	84	853252	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
36) 1,2-Dichloropropane-d6	6.73	67	298094	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.66%
41) Toluene-d8	7.93	98	745520	44.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.14%
43) trans-1,3-Dichloropropene-	8.22	79	134665	50.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.66%
47) 2-Hexanone-d5	8.69	63	284452	129.05	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	129.05%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	452003	55.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.54%
64) 1,2-Dichlorobenzene-d4	12.22	152	249515	45.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

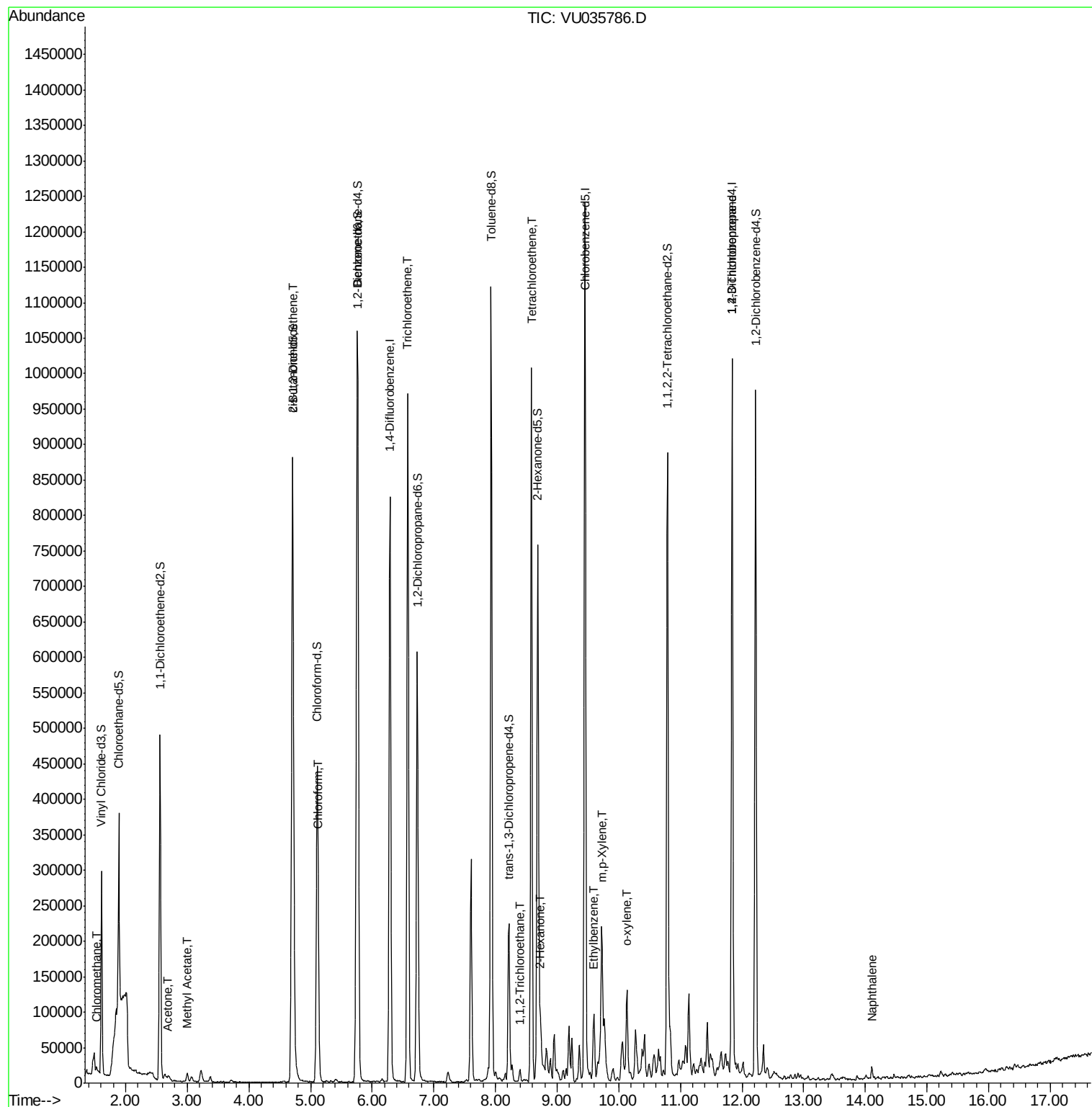
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	5551	0.997	ug/L	91
13) Acetone	2.68	43	4519	1.662	ug/L	65
15) Methyl Acetate	3.00	43	15346	3.115	ug/L	91
20) cis-1,2-Dichloroethene	4.71	96	338263	71.152	ug/L	92
25) Chloroform	5.13	83	17447	2.113	ug/L	93
34) Trichloroethene	6.58	95	330441	67.978	ug/L	93
45) 1,1,2-Trichloroethane	8.40	97	5915	1.205	ug/L #	19
46) Tetrachloroethene	8.58	164	221412	54.473	ug/L	98
48) 2-Hexanone	8.74	43	22952	4.120	ug/L #	95
52) Ethylbenzene	9.60	91	34483	1.610	ug/L	90
53) m,p-Xylene	9.72	106	50989	6.343	ug/L	94
54) o-xylene	10.13	106	30602	3.895	ug/L	97
59) 1,2,3-Trichloropropane	11.84	75	36678	5.494	ug/L	98
69) Naphthalene	14.10	128	12027	1.416	ug/L	97

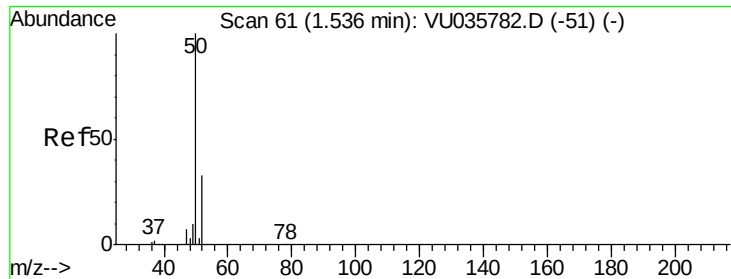
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Nov 21 04:09:14 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.997 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU035786.D

Acq: 20 Nov 2019 13:54

Instrument :

MSVOA_U

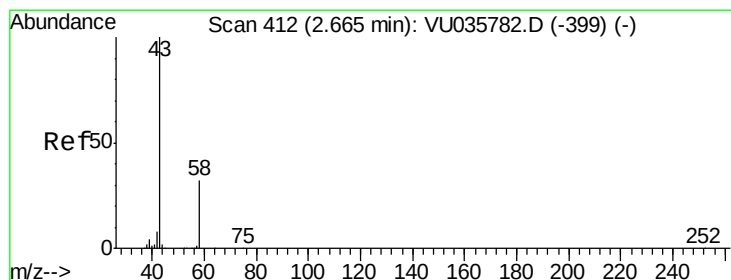
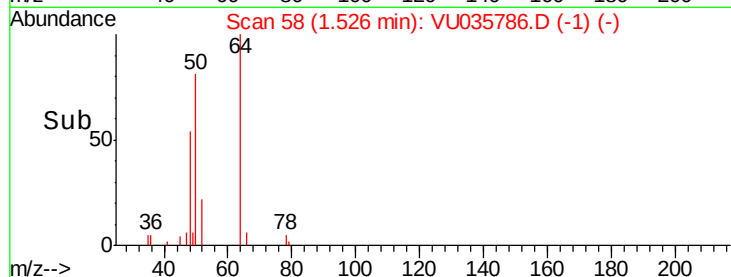
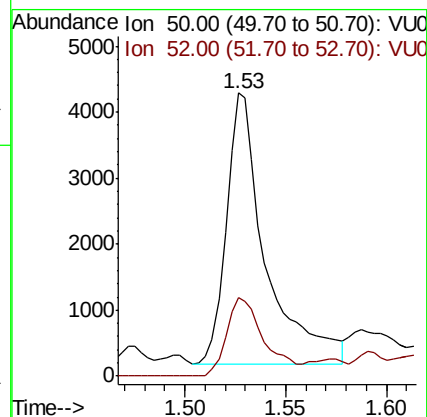
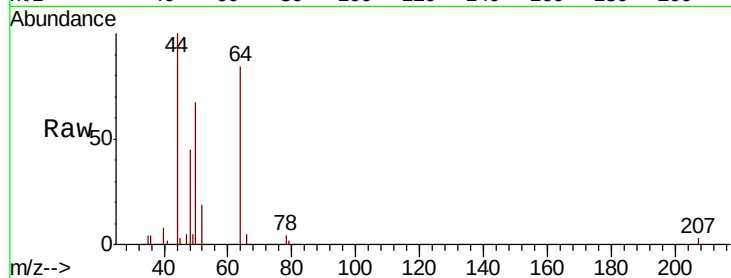
ClientSampleId :

Tot Ion: 50 Resp: 5551

Ion Ratio Lower Upper

50 100

52 27.6 23.0 42.6



#13

Acetone

Concen: 1.662 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.02 min

Lab File: VU035786.D

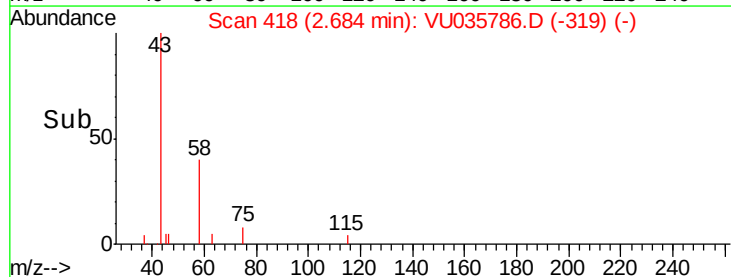
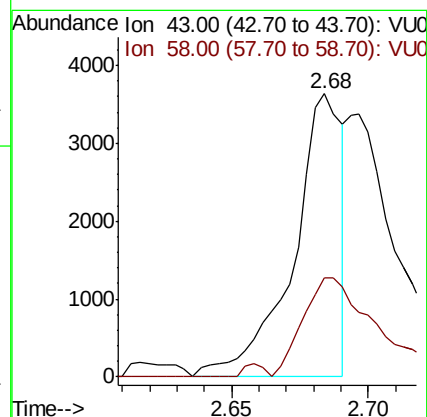
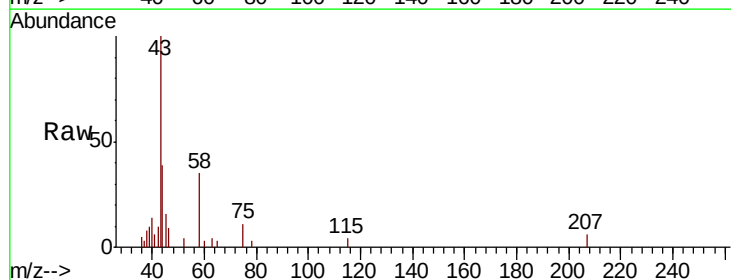
Acq: 20 Nov 2019 13:54

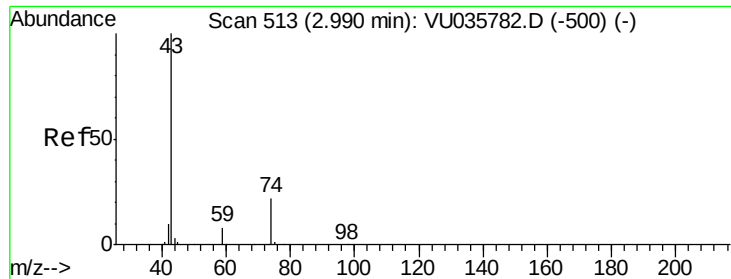
Tgt Ion: 43 Resp: 4519

Ion Ratio Lower Upper

43 100

58 55.2 0.0 70.0

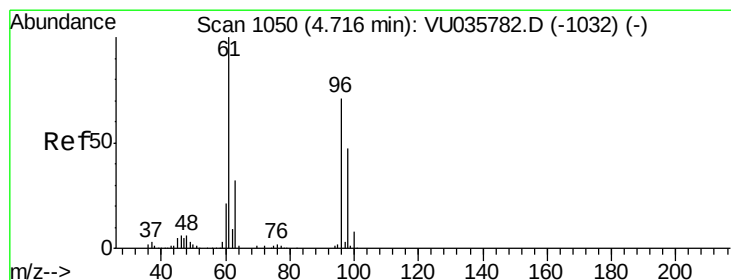
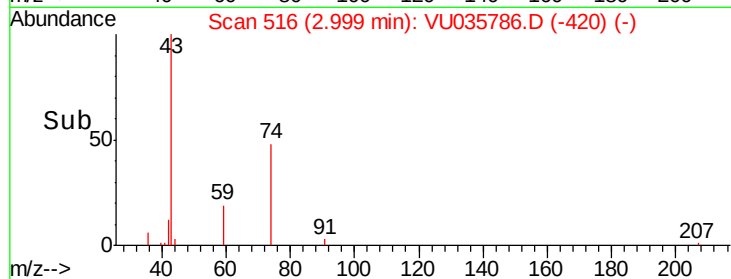
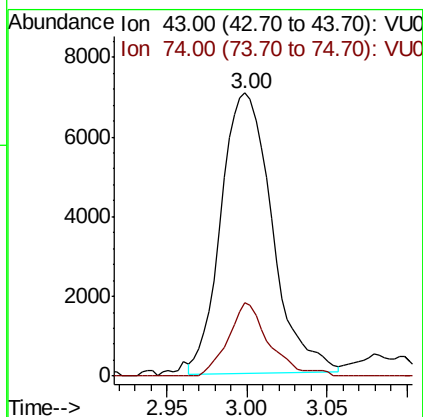
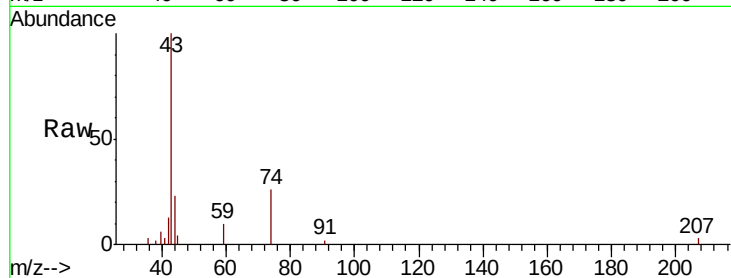




#15
Methyl Acetate
Concen: 3.115 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU035786.D
Acq: 20 Nov 2019 13:54

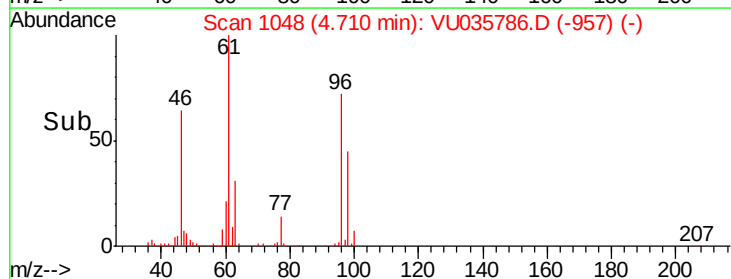
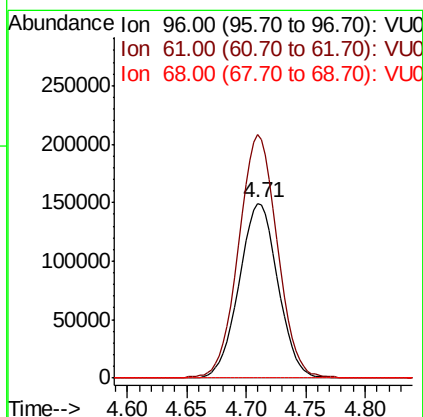
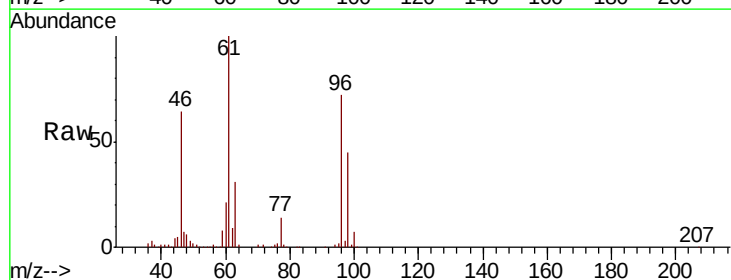
Instrument :
MSVOA_U
ClientSampled :

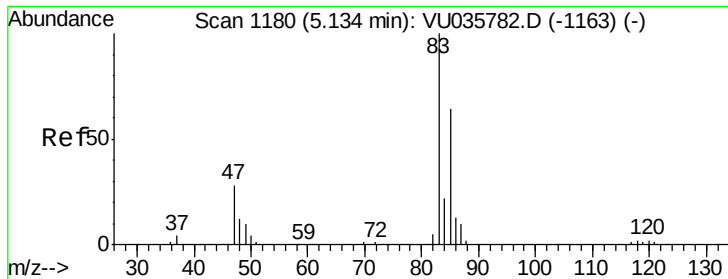
Tot Ion: 43 Resp: 15346
Ion Ratio Lower Upper
43 100
74 20.2 19.8 29.6



#20
cis-1,2-Dichloroethene
Concen: 71.152 ug/L
RT: 4.71 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VU035786.D
Acq: 20 Nov 2019 13:54

Tgt Ion: 96 Resp: 338263
Ion Ratio Lower Upper
96 100
61 139.3 90.6 168.3
68 0.0 0.0 0.0





#25

Chloroform

Concen: 2.113 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU035786.D

Acq: 20 Nov 2019 13:54

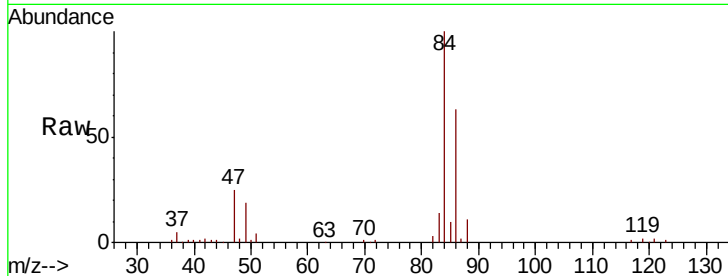
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 17447

Ion Ratio Lower Upper

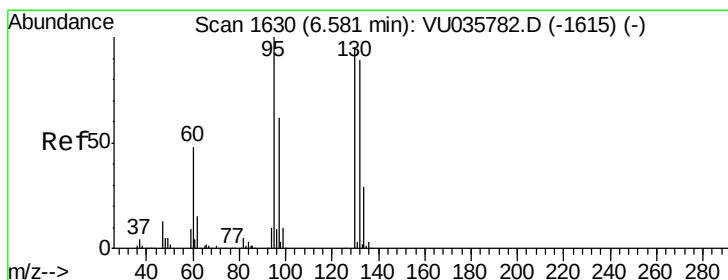
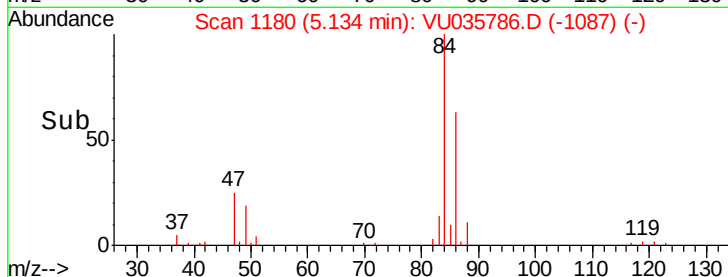
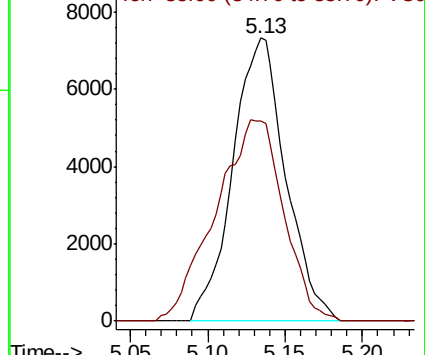
83 100

85 70.5 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU035782.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU035782.D (-1163) (-)



#34

Trichloroethene

Concen: 67.978 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU035786.D

Acq: 20 Nov 2019 13:54

Tgt Ion: 95 Resp: 330441

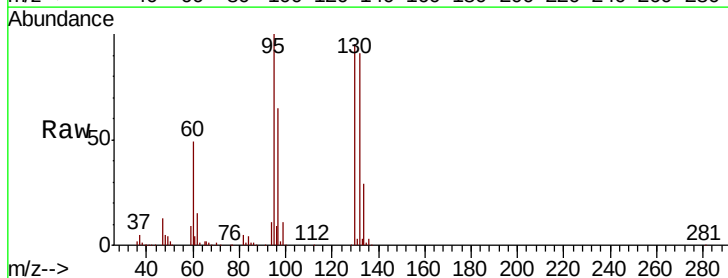
Ion Ratio Lower Upper

95 100

97 64.6 45.6 84.6

132 90.8 69.9 129.7

130 95.0 73.1 135.7

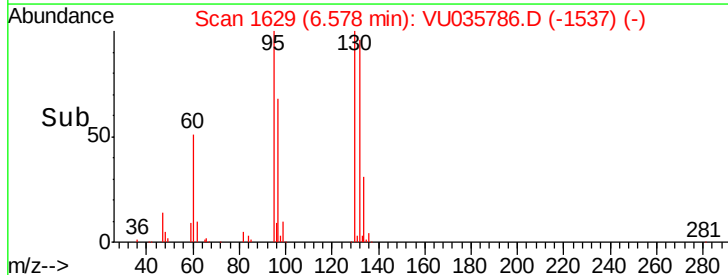
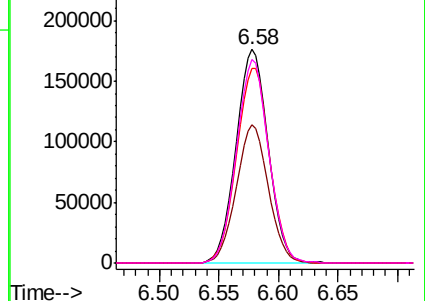


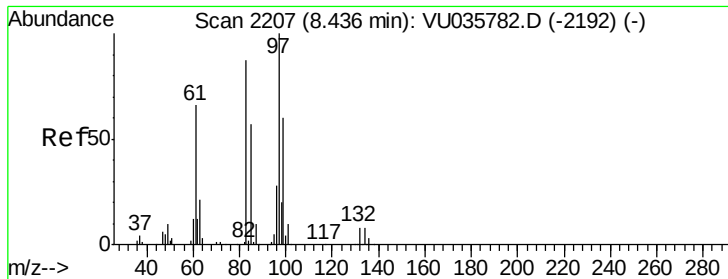
Abundance Ion 95.00 (94.70 to 95.70): VU035782.D (-1615) (-)

Ion 97.00 (96.70 to 97.70): VU035782.D (-1615) (-)

Ion 132.00 (131.70 to 132.70): VU035782.D (-1615) (-)

Ion 130.00 (129.70 to 130.70): VU035782.D (-1615) (-)

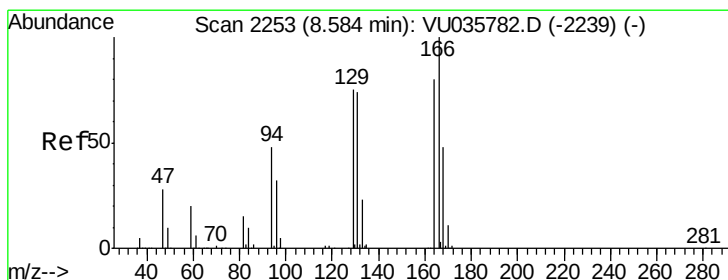
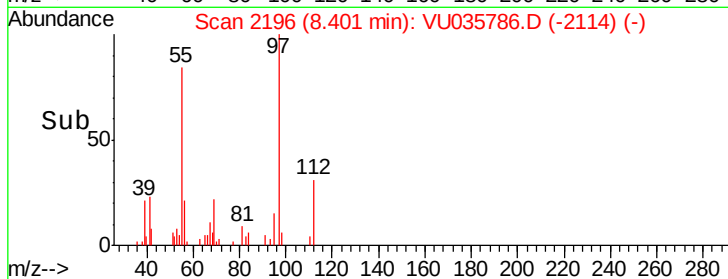
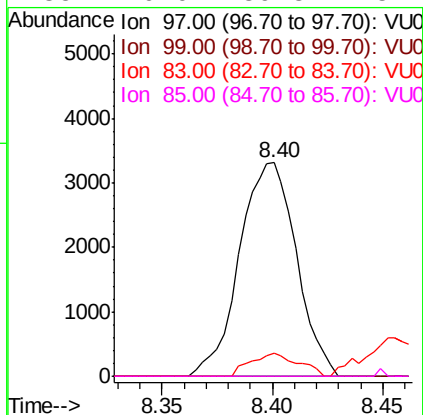
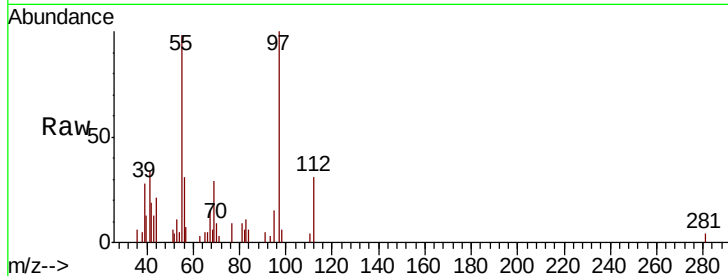




#45
 1,1,2-Trichloroethane
 Concen: 1.205 ug/L
 RT: 8.40 min Scan# 2196
 Delta R.T. -0.04 min
 Lab File: VU035786.D
 Acq: 20 Nov 2019 13:54

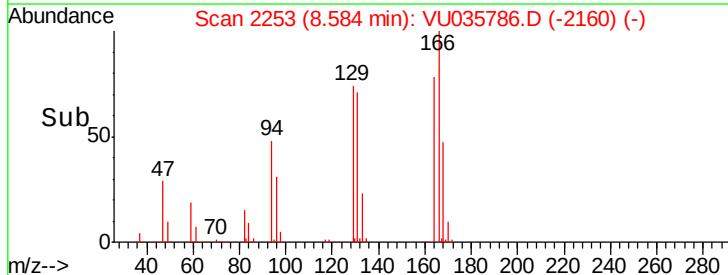
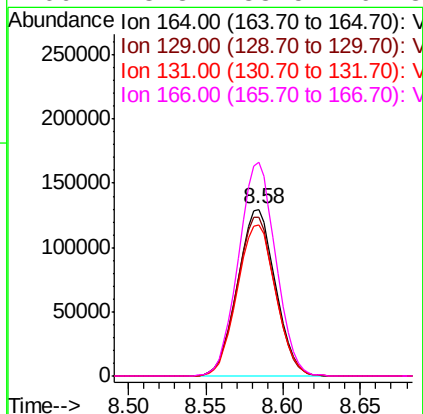
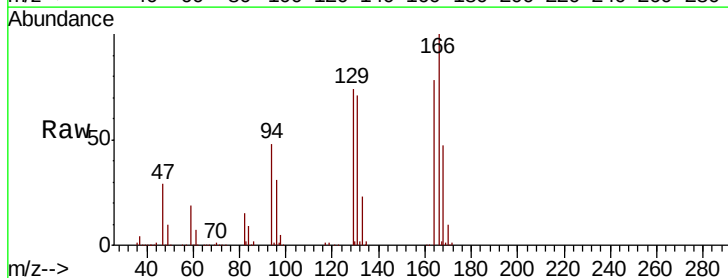
Instrument :
 MSVOA_U
 ClientSampleId :

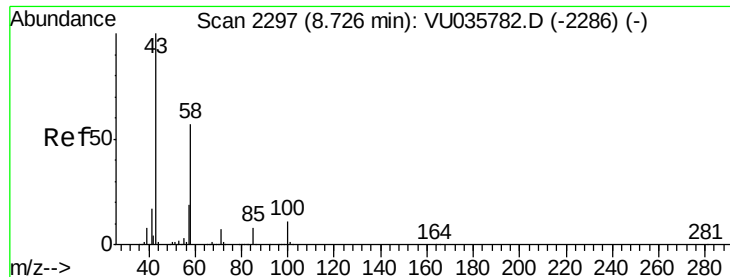
Tot Ion:	97	Resp:	5915
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.2	82.2#
83	10.7	61.5	114.3#
85	0.0	39.3	73.1#



#46
 Tetrachloroethene
 Concen: 54.473 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035786.D
 Acq: 20 Nov 2019 13:54

Tgt Ion:	164	Resp:	221412
Ion	Ratio	Lower	Upper
164	100		
129	95.3	64.1	119.1
131	90.8	63.1	117.1
166	128.3	88.5	164.3

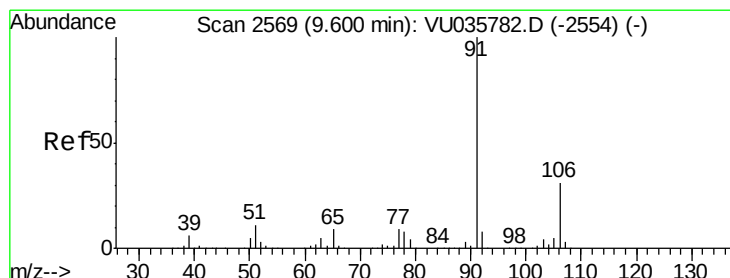
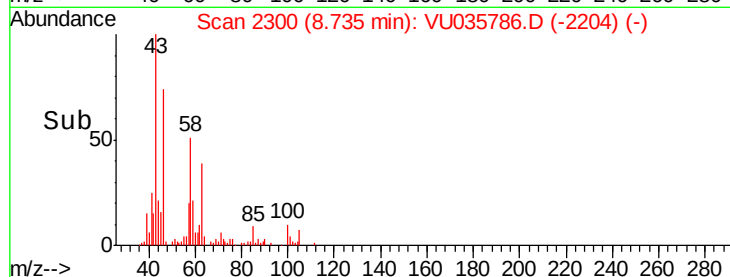
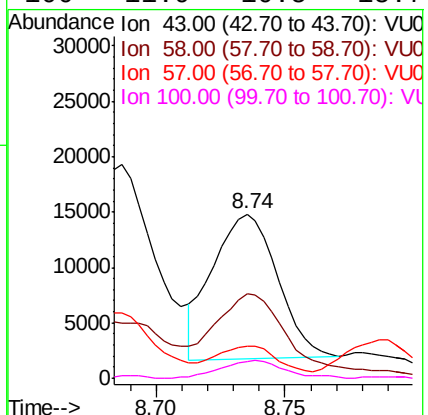
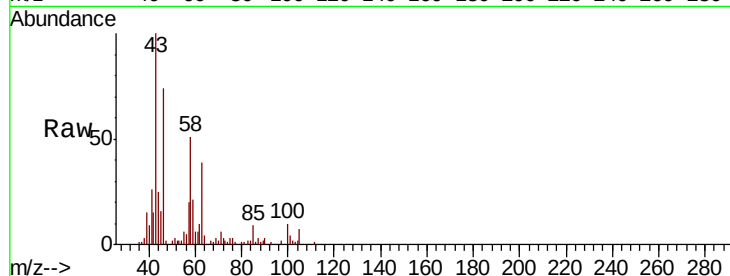




#48
2-Hexanone
Concen: 4.120 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.01 min
Lab File: VU035786.D
Acq: 20 Nov 2019 13:54

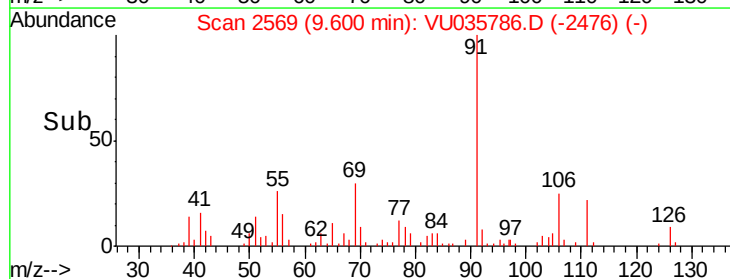
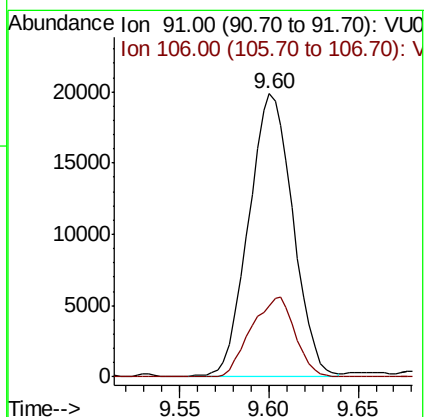
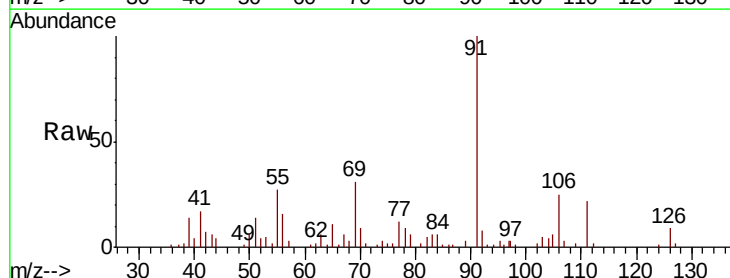
Instrument :
MSVOA_U
ClientSampled :

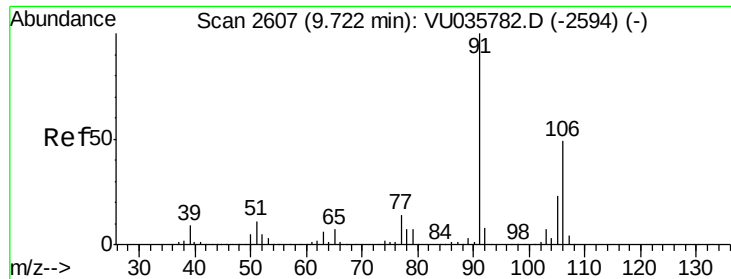
Tot Ion: 43 Resp: 22952
Ion Ratio Lower Upper
43 100
58 65.2 50.4 75.6
57 16.0 17.4 26.0#
100 11.9 10.5 15.7



#52
Ethylbenzene
Concen: 1.610 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035786.D
Acq: 20 Nov 2019 13:54

Tgt Ion: 91 Resp: 34483
Ion Ratio Lower Upper
91 100
106 25.1 21.6 40.0





#53

m,p-Xylene

Concen: 6.343 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035786.D

Acq: 20 Nov 2019 13:54

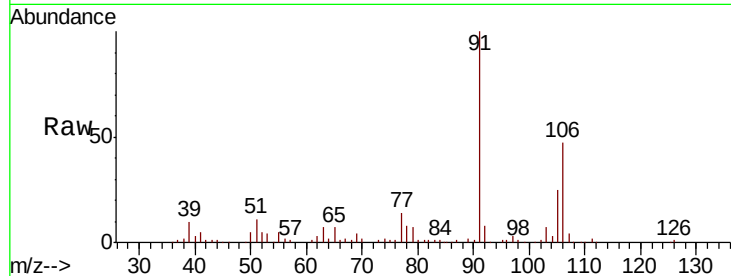
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 50989

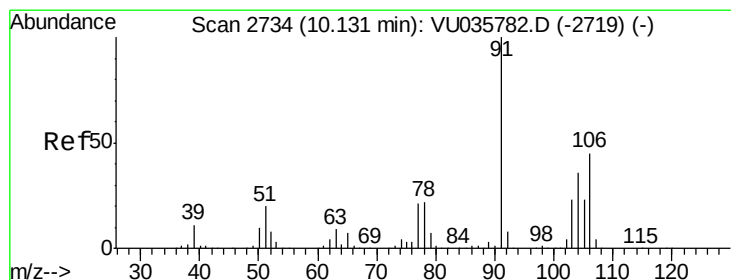
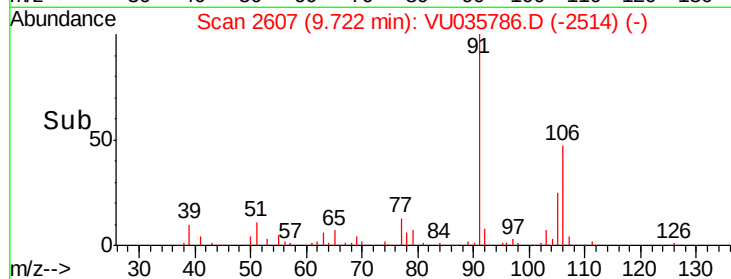
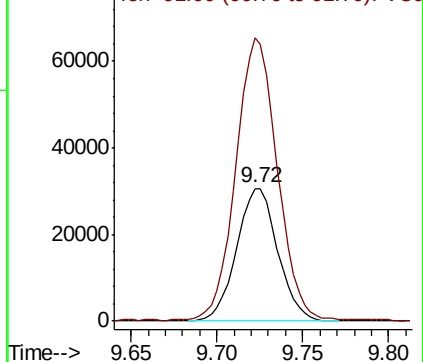
Ion Ratio Lower Upper

106 100

91 213.1 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 3.895 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035786.D

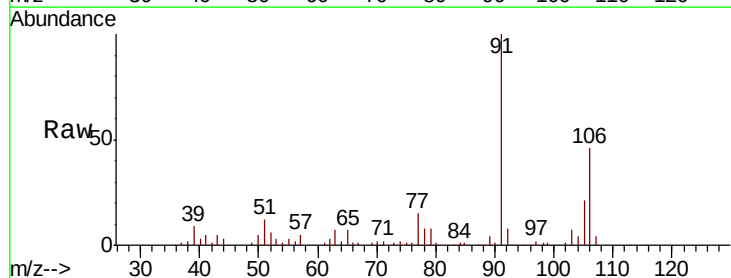
Acq: 20 Nov 2019 13:54

Tgt Ion:106 Resp: 30602

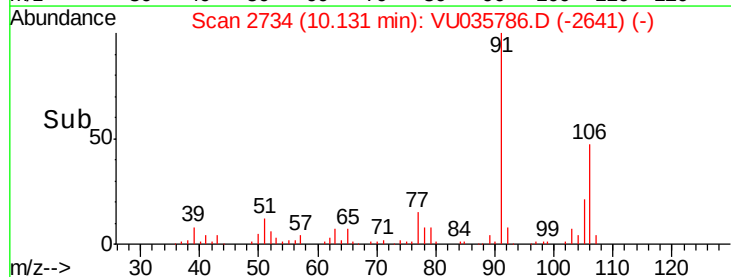
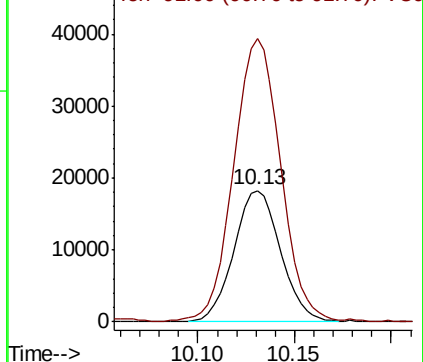
Ion Ratio Lower Upper

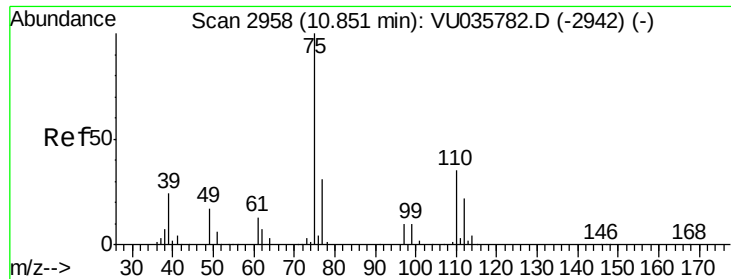
106 100

91 215.1 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

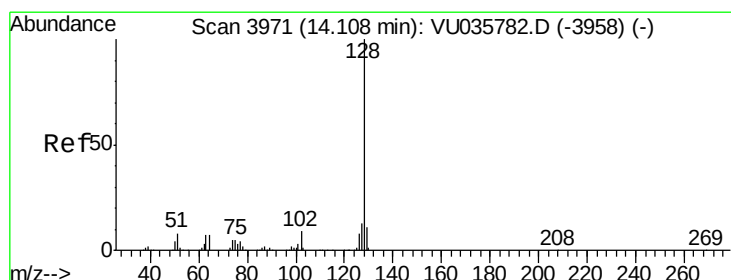
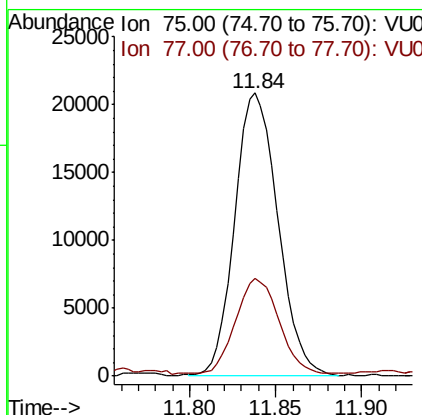
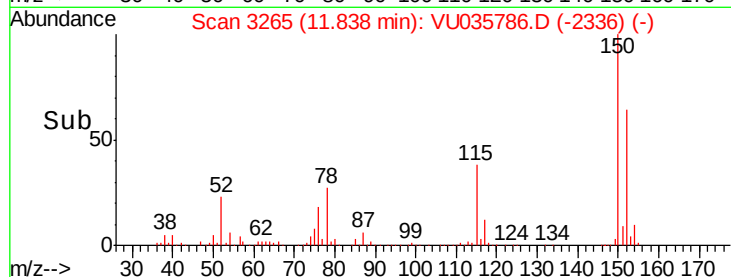
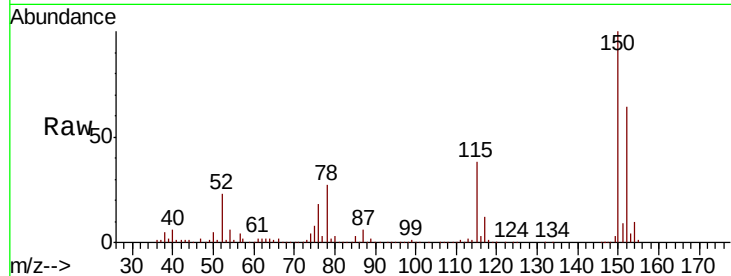




#59
 1,2,3-Trichloropropane
 Concen: 5.494 ug/L
 RT: 11.84 min Scan# 3265
 Delta R.T. 0.99 min
 Lab File: VU035786.D
 Acq: 20 Nov 2019 13:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 36678
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.7 38.5



#69
 Naphthalene
 Concen: 1.416 ug/L
 RT: 14.10 min Scan# 3970
 Delta R.T. -0.00 min
 Lab File: VU035786.D
 Acq: 20 Nov 2019 13:54

Tgt Ion: 128 Resp: 12027
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.7 16.1
 129 12.6 8.5 12.7

