

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111819\
 Data File : VU035738.D
 Acq On : 18 Nov 2019 11:52
 Operator : JC/SP
 Sample : K5856-13DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:35:27 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	196982	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	227081	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	87886	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	89215	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.93	69	80822	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.59	63	114778	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.71	46	233804	52.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.46%
24) Chloroform-d	5.11	84	168209	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.75	65	88824	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.77	84	317294	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.73	67	110245	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.93	98	259849	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
43) trans-1,3-Dichloropropene-	8.22	79	39465	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.69	63	156962	43.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.78%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	96795	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	88226	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

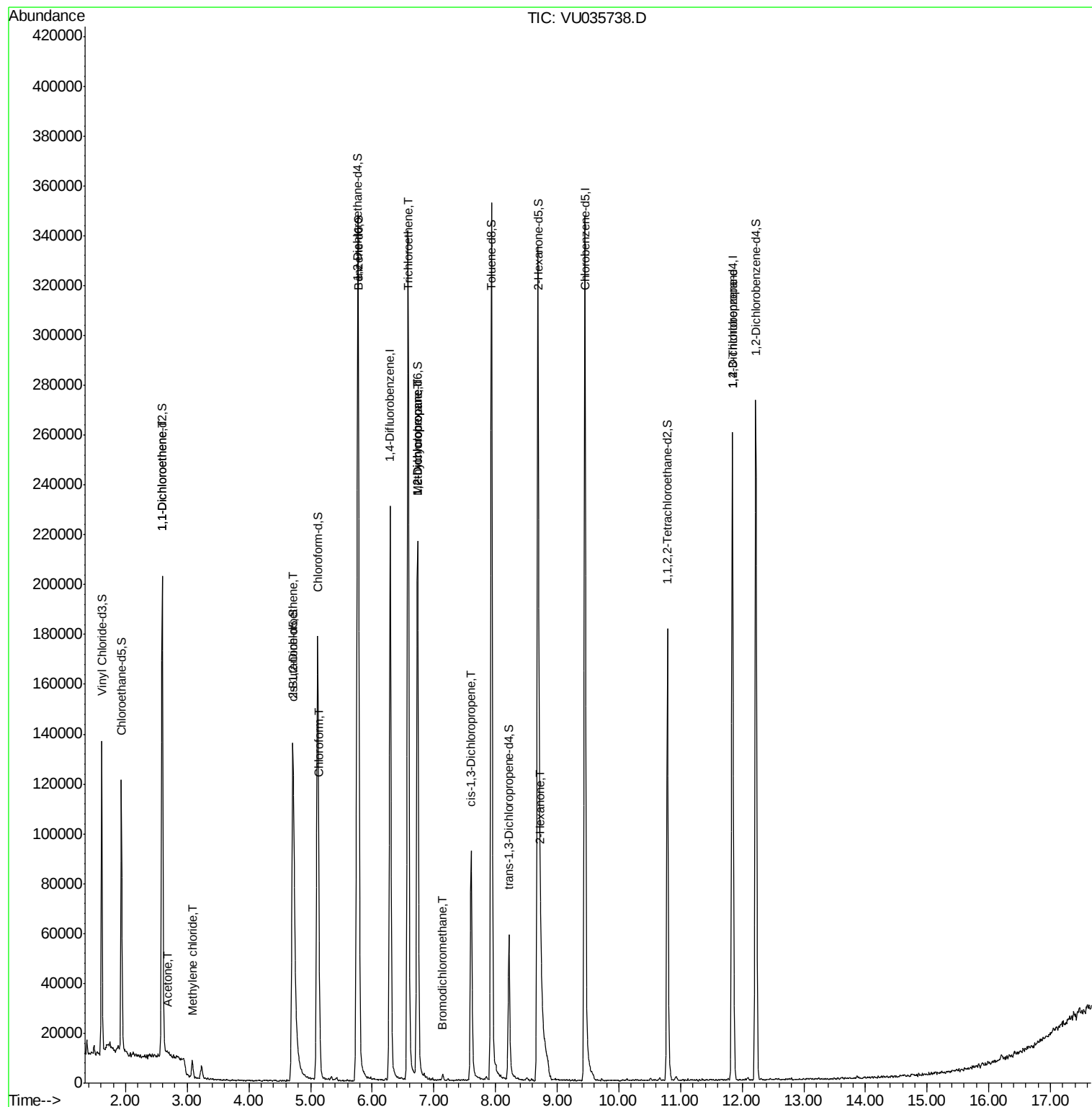
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	1553	0.090	ug/L #	1
13) Acetone	2.69	43	3462	1.073	ug/L	78
16) Methylene chloride	3.08	84	3511	0.171	ug/L	89
22) cis-1,2-Dichloroethene	4.73	96	1872	0.095	ug/L #	57
25) Chloroform	5.14	83	19845	0.551	ug/L	98
34) Trichloroethene	6.58	95	121143	5.923	ug/L	97
35) Methylcyclohexane	6.74	83	24671	0.792	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	11789	0.560	ug/L #	87
38) Bromodichloromethane	7.14	83	1569	0.062	ug/L #	83
39) cis-1,3-Dichloropropene	7.60	75	2869	0.095	ug/L #	13
48) 2-Hexanone	8.74	43	15397	1.789	ug/L	96
59) 1,2,3-Trichloropropane	11.84	75	9211	0.661	ug/L	89

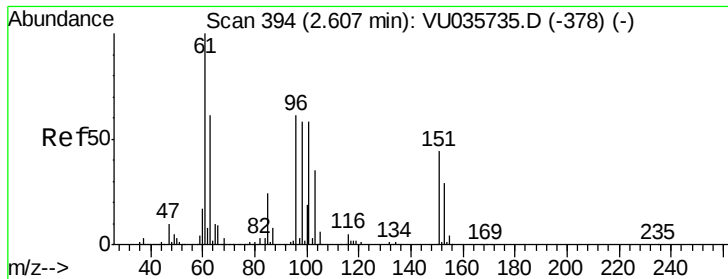
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.090 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035738.D

Acq: 18 Nov 2019 11:52

Instrument :

MSVOA_U

ClientSampleId :

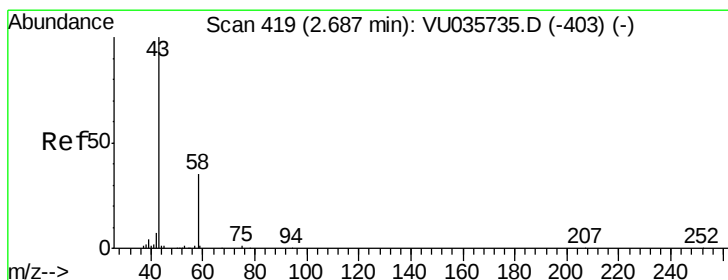
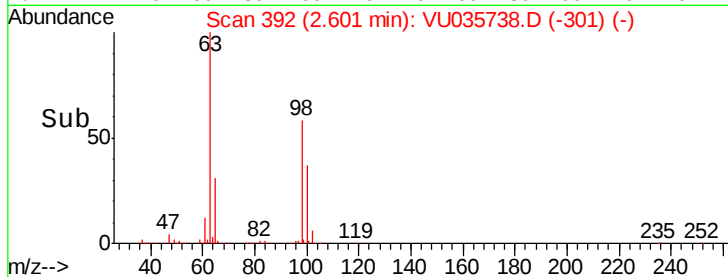
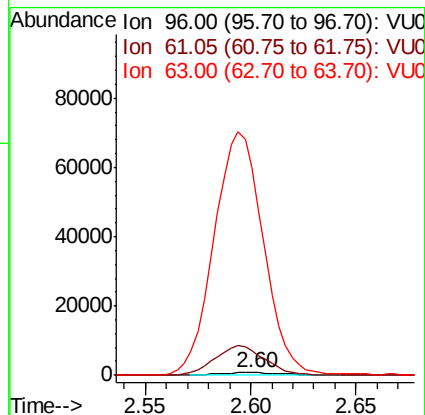
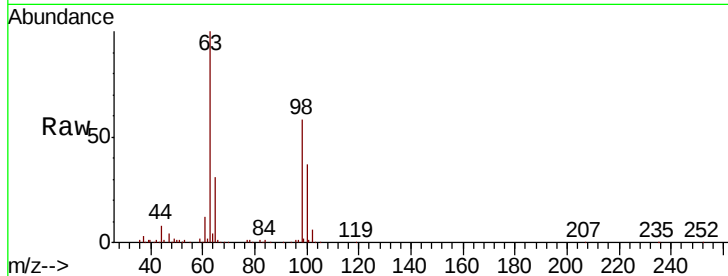
Tot Ion: 96 Resp: 1553

Ion Ratio Lower Upper

96 100

61 943.8 123.1 228.5#

63 7958.6 87.8 163.0#



#13

Acetone

Concen: 1.073 ug/L

RT: 2.69 min Scan# 420

Delta R.T. 0.00 min

Lab File: VU035738.D

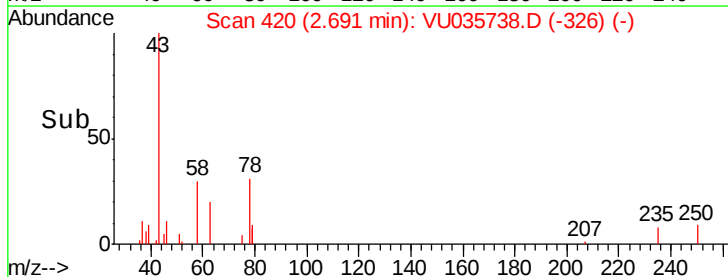
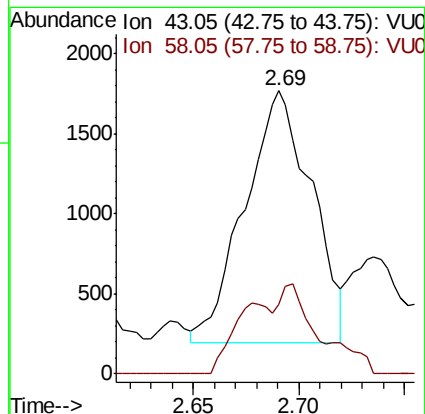
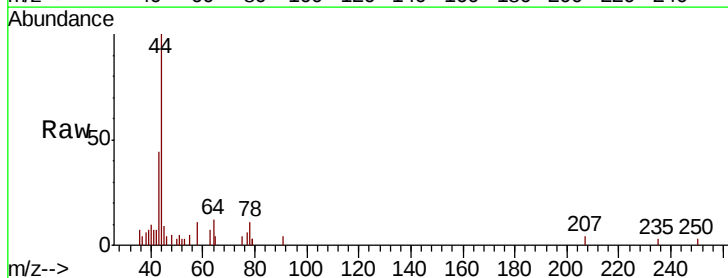
Acq: 18 Nov 2019 11:52

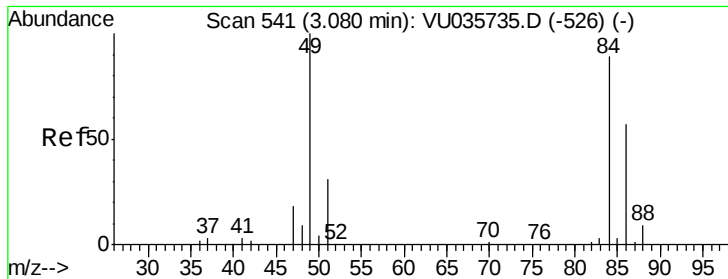
Tgt Ion: 43 Resp: 3462

Ion Ratio Lower Upper

43 100

58 22.0 0.0 69.8

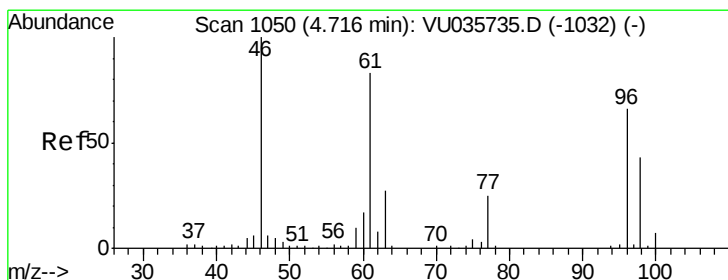
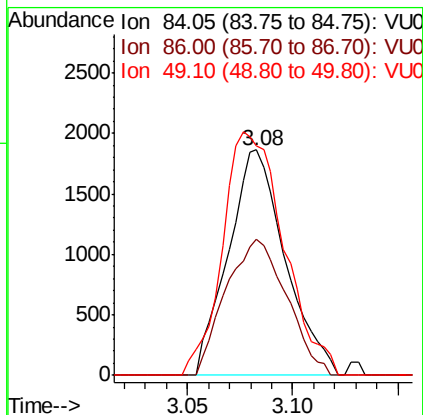
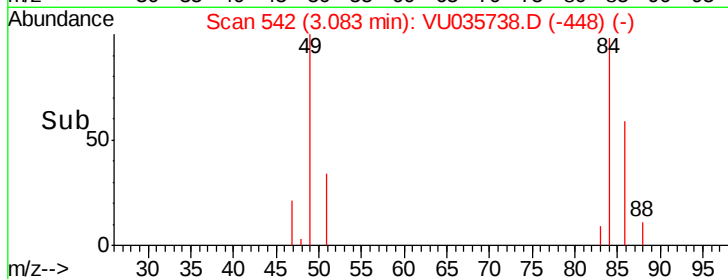
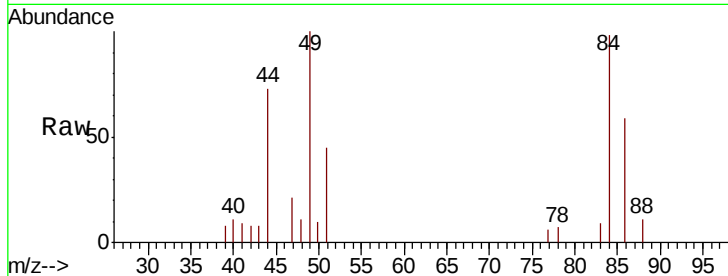




#16
Methylene chloride
Concen: 0.171 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035738.D
Acq: 18 Nov 2019 11:52

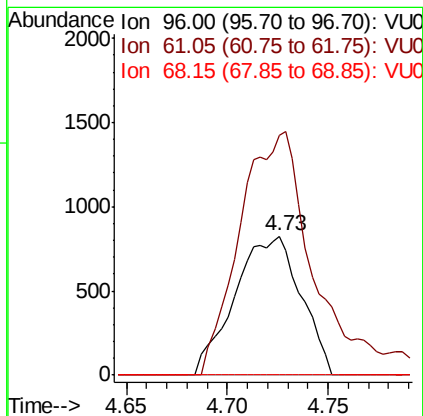
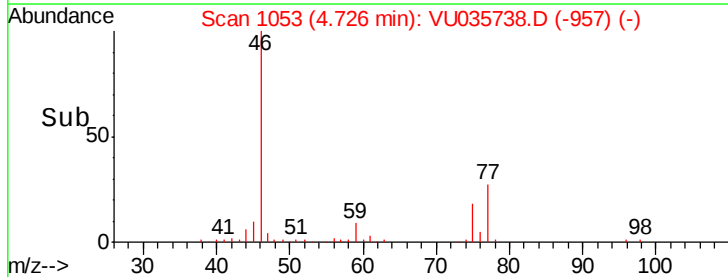
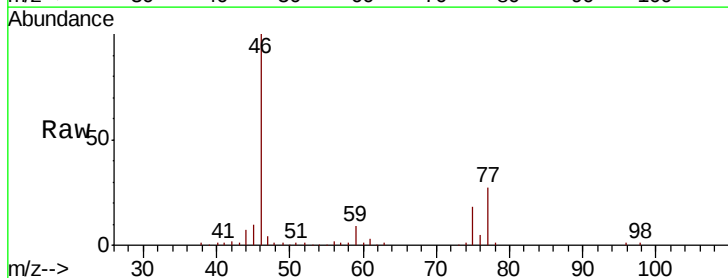
Instrument :
MSVOA_U
ClientSampled :

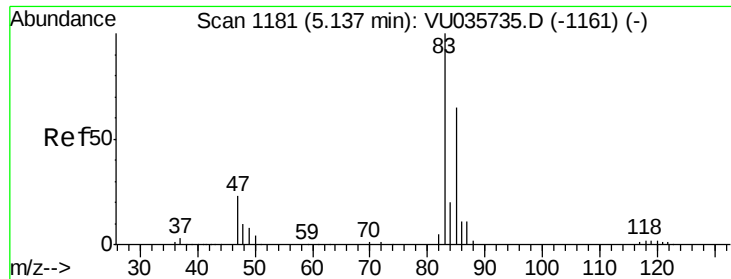
Tot Ion: 84 Resp: 3511
Ion Ratio Lower Upper
84 100
86 60.4 45.8 85.2
49 101.8 81.9 152.1



#22
cis-1,2-Dichloroethene
Concen: 0.095 ug/L
RT: 4.73 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VU035738.D
Acq: 18 Nov 2019 11:52

Tgt Ion: 96 Resp: 1872
Ion Ratio Lower Upper
96 100
61 172.6 87.0 161.6#
68 0.0 0.0 0.0

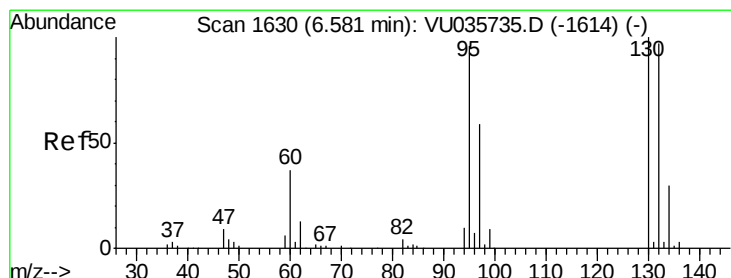
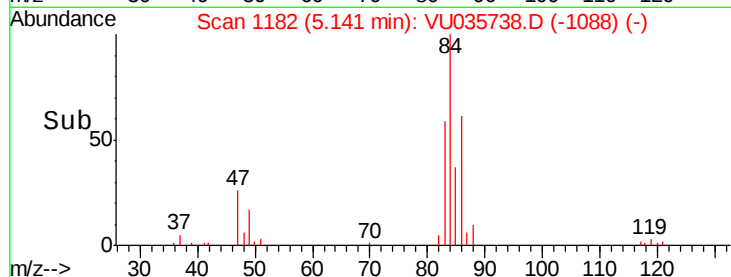
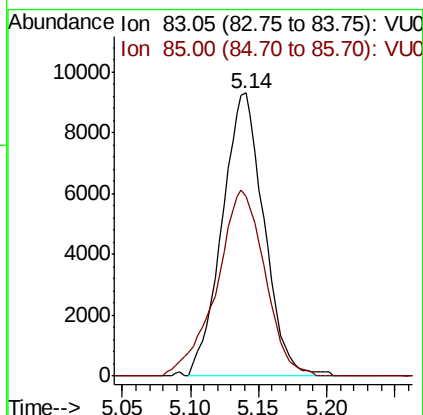
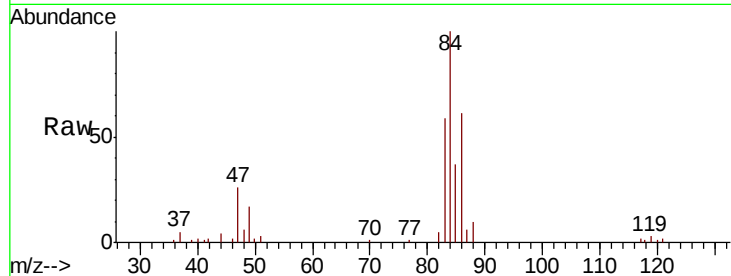




#25
Chloroform
Concen: 0.551 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035738.D
Acq: 18 Nov 2019 11:52

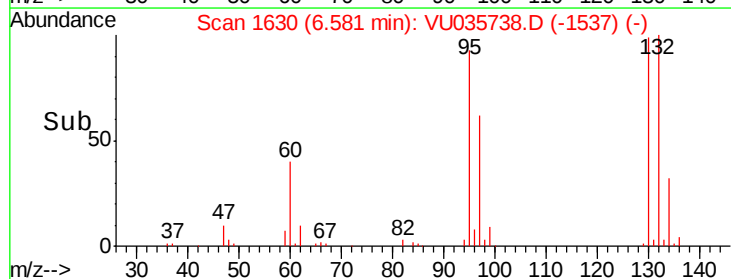
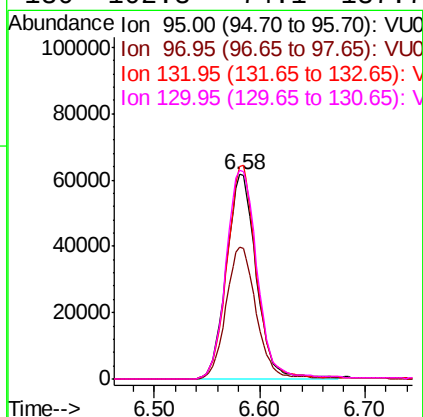
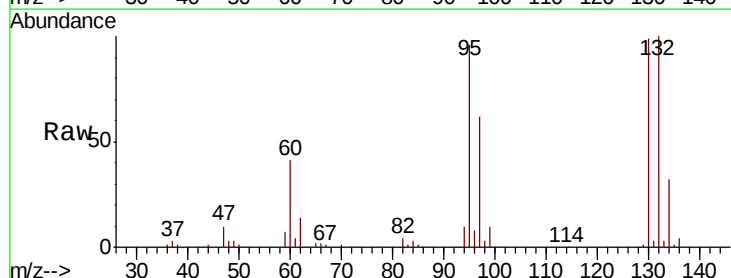
Instrument :
MSVOA_U
ClientSampled :

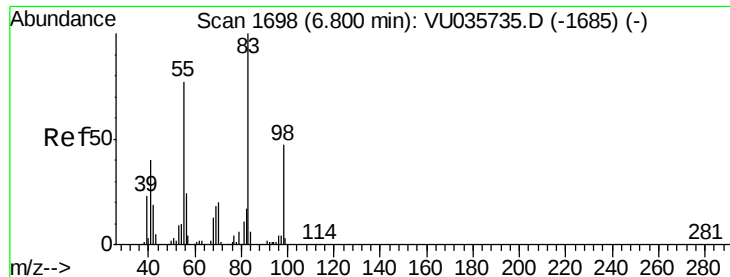
Tot Ion: 83 Resp: 19845
Ion Ratio Lower Upper
83 100
85 63.5 45.4 84.2



#34
Trichloroethene
Concen: 5.923 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035738.D
Acq: 18 Nov 2019 11:52

Tgt Ion: 95 Resp: 121143
Ion Ratio Lower Upper
95 100
97 64.6 44.5 82.7
132 103.6 69.9 129.7
130 102.3 74.1 137.7

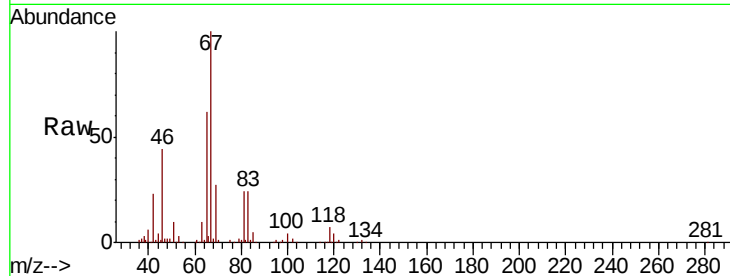




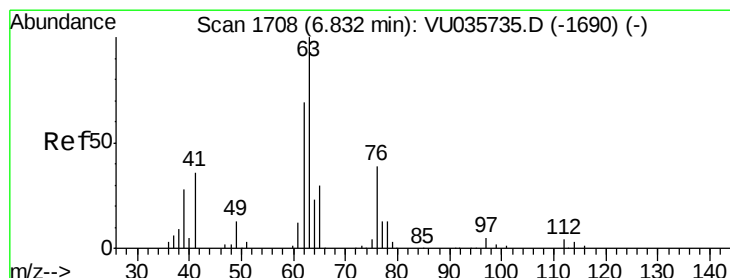
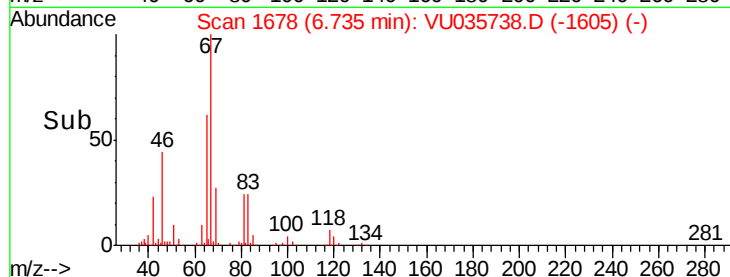
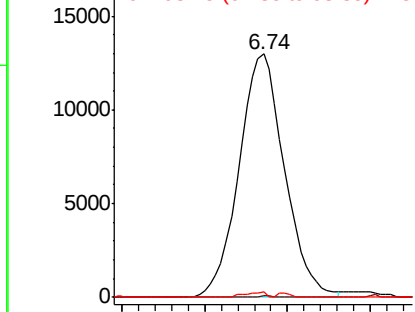
#35
Methvlcvclohexane
Concen: 0.792 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035738.D
Acq: 18 Nov 2019 11:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 24671
Ion Ratio Lower Upper
83 100
55 0.2 62.6 93.8#
98 0.9 37.2 55.8#

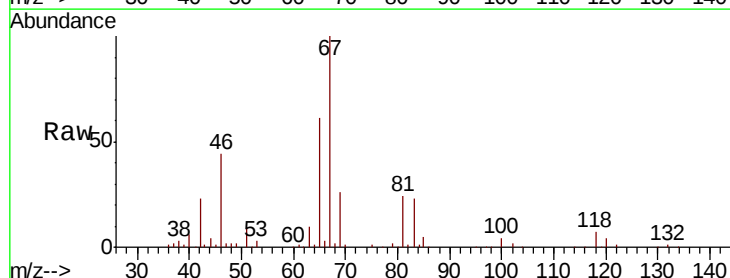


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

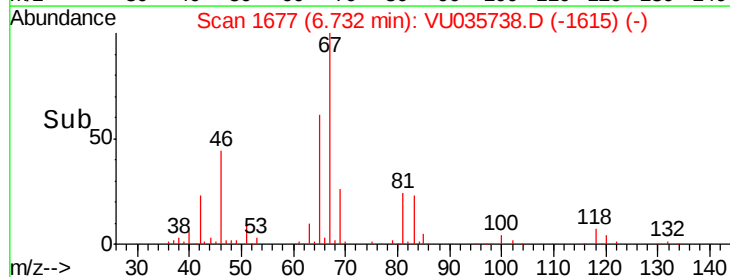
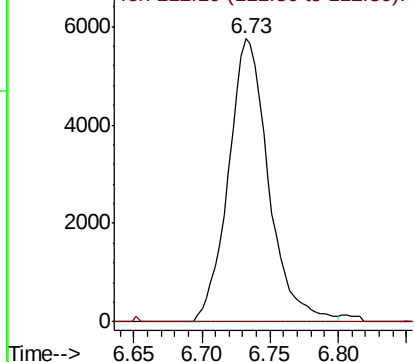


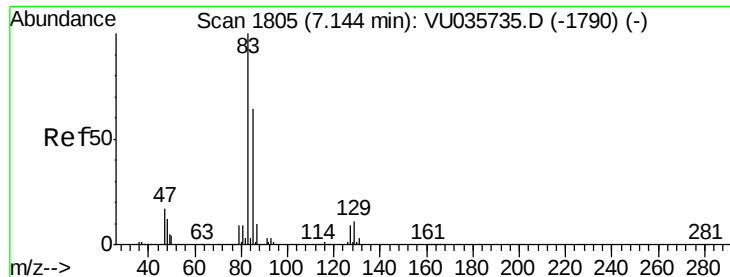
#37
1,2-Dichloropropane
Concen: 0.560 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU035738.D
Acq: 18 Nov 2019 11:52

Tgt Ion: 63 Resp: 11789
Ion Ratio Lower Upper
63 100
112 0.2 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.062 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VU035738.D

Acq: 18 Nov 2019 11:52

Instrument :

MSVOA_U

ClientSampleId :

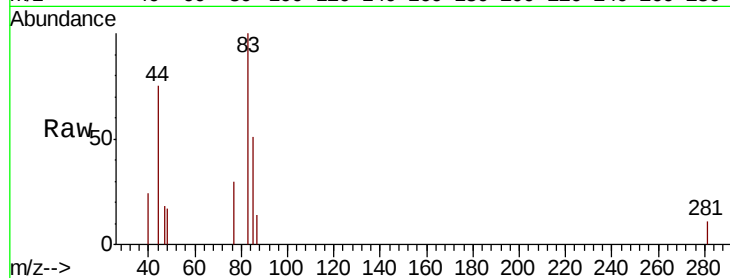
Tot Ion: 83 Resp: 1569

Ion Ratio Lower Upper

83 100

85 51.4 44.7 82.9

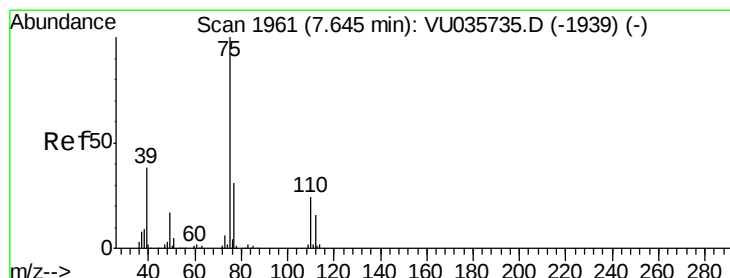
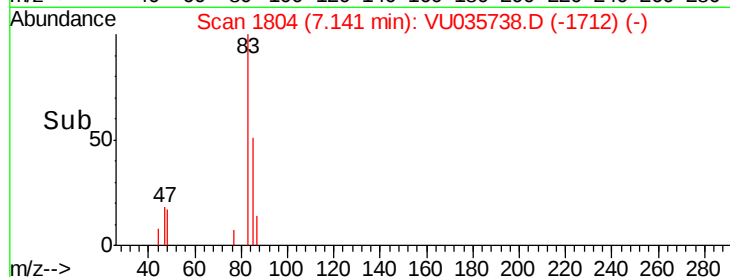
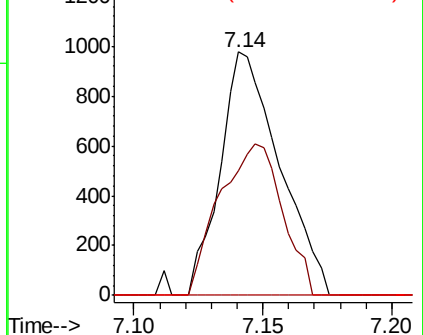
127 0.0 7.1 10.7#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035738.D

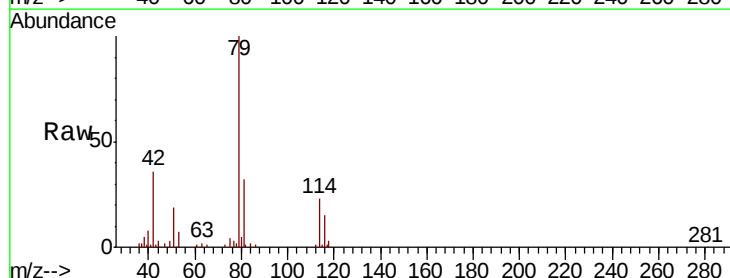
Acq: 18 Nov 2019 11:52

Tgt Ion: 75 Resp: 2869

Ion Ratio Lower Upper

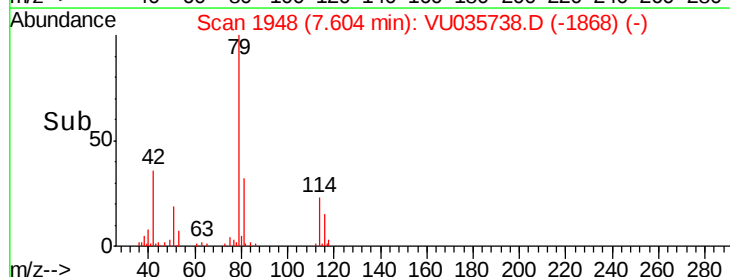
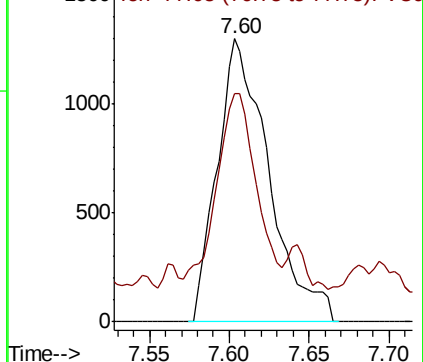
75 100

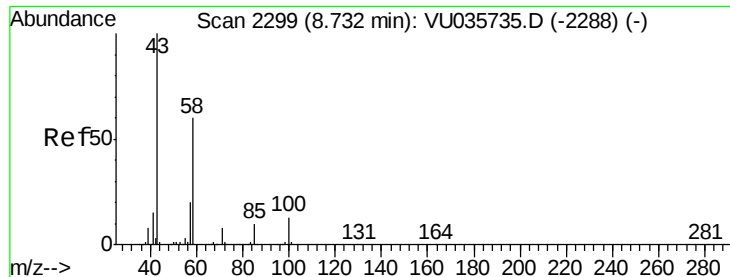
77 80.6 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

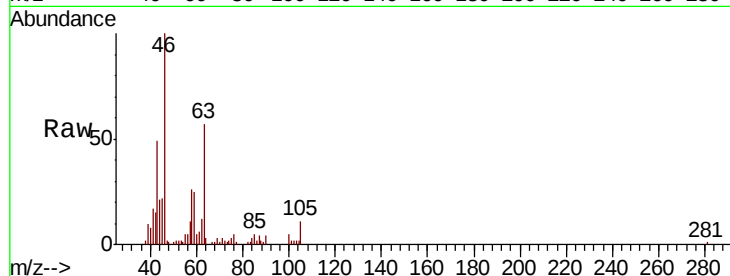




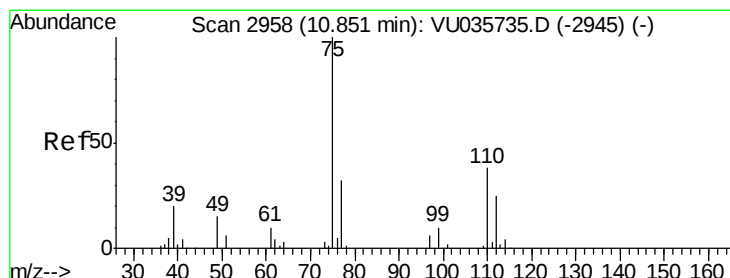
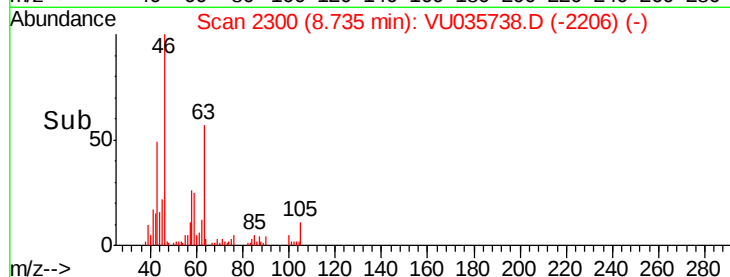
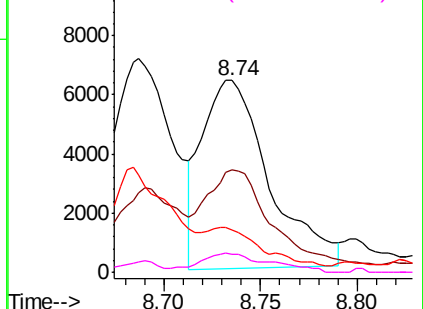
#48
2-Hexanone
Concen: 1.789 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VU035738.D
Acq: 18 Nov 2019 11:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 15397
Ion Ratio Lower Upper
43 100
58 58.5 44.1 66.1
57 21.1 15.1 22.7
100 10.7 9.4 14.2

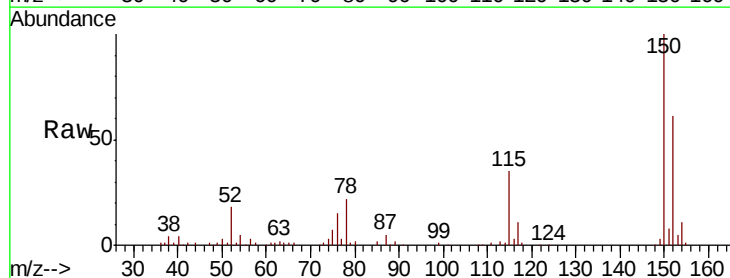


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0



#59
1,2,3-Trichloropropane
Concen: 0.661 ug/L
RT: 11.84 min Scan# 3265
Delta R.T. 0.99 min
Lab File: VU035738.D
Acq: 18 Nov 2019 11:52

Tgt Ion: 75 Resp: 9211
Ion Ratio Lower Upper
75 100
77 39.8 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

