

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111819\
 Data File : VU035750.D
 Acq On : 18 Nov 2019 17:59
 Operator : JC/SP
 Sample : K5910-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:37:24 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	189548	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	228565	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	78022	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	87002	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.93	69	80842	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.60	63	114370	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.70	46	220178	51.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.22%
24) Chloroform-d	5.11	84	155268	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.75	65	86075	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.77	84	309979	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.74	67	112050	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.93	98	261812	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
43) trans-1,3-Dichloropropene-	8.22	79	36978	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.71	63	147853	40.61	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.22%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	93744	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.23	152	78220	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

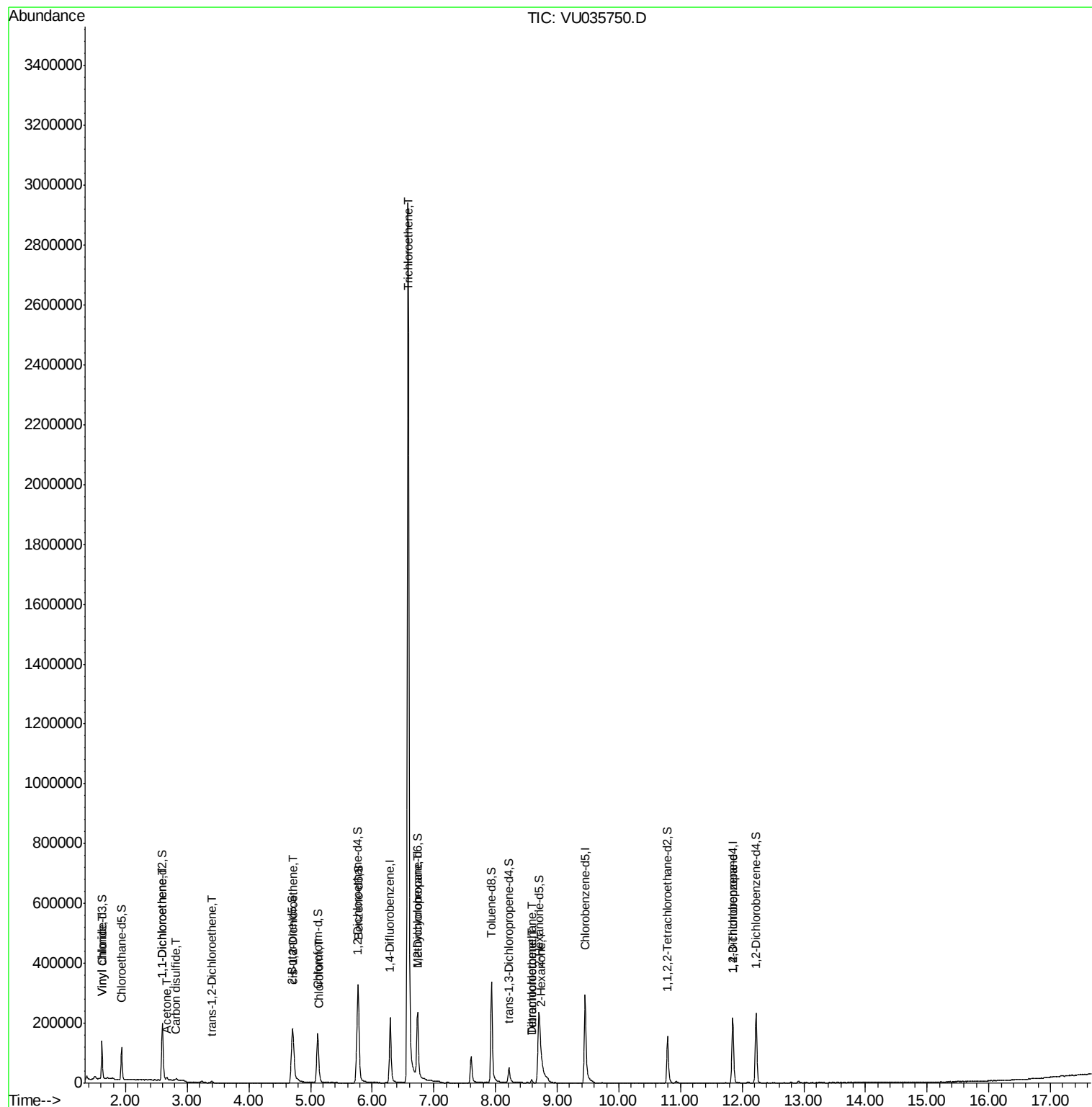
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	2191	0.091	ug/L #	1
12) 1,1-Dichloroethene	2.61	96	6250	0.375	ug/L #	1
13) Acetone	2.67	43	8317	2.678	ug/L	95
14) Carbon disulfide	2.82	76	7422	0.137	ug/L #	87
18) trans-1,2-Dichloroethene	3.39	96	2789	0.162	ug/L	84
22) cis-1,2-Dichloroethene	4.72	96	48135	2.540	ug/L	98
25) Chloroform	5.14	83	13413	0.387	ug/L	93
34) Trichloroethene	6.58	95	1072026	52.077	ug/L	98
35) Methylcyclohexane	6.73	83	26243	0.837	ug/L #	18
47) Tetrachloroethene	8.58	164	2908	0.162	ug/L	95
48) 2-Hexanone	8.75	43	17139	1.979	ug/L #	90
49) Dibromochloromethane	8.58	129	2358	0.126	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8536	0.609	ug/L	95

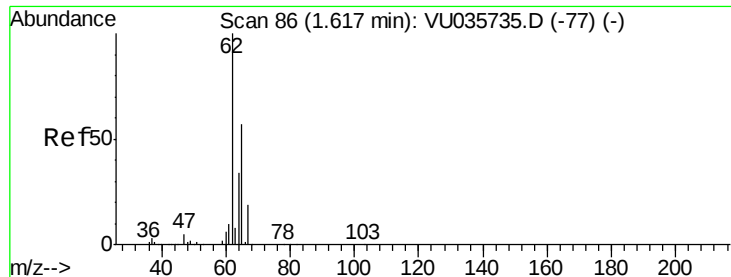
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.091 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035750.D

Acq: 18 Nov 2019 17:59

Instrument :

MSVOA_U

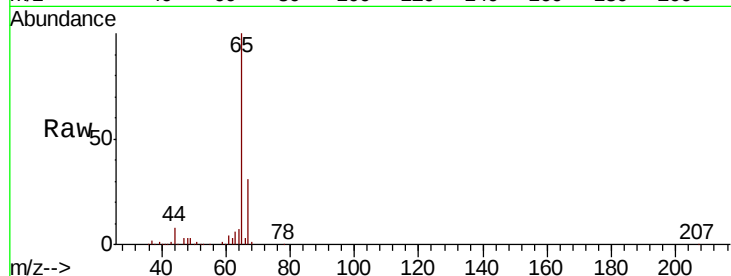
ClientSampleId :

Tot Ion: 62 Resp: 2191

Ion Ratio Lower Upper

62 100

64 252.2 23.5 43.7#



Abundance Ion 62.00 (61.70 to 62.70): VU035735.D (-77) (-)

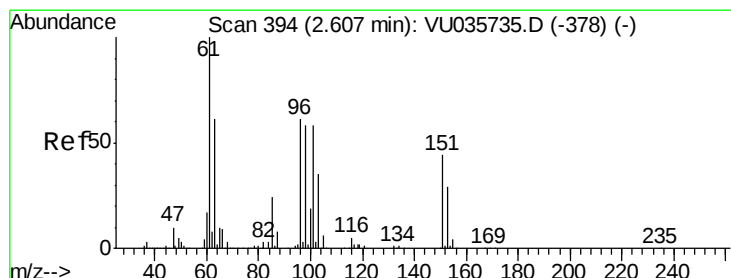
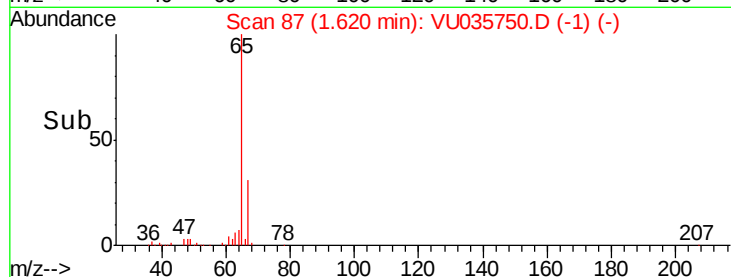
Ion 64.10 (63.80 to 64.80): VU035735.D (-77) (-)

62.00 2191

64.10 252.2

1.62

Time-->



#12

1,1-Dichloroethene

Concen: 0.375 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035750.D

Acq: 18 Nov 2019 17:59

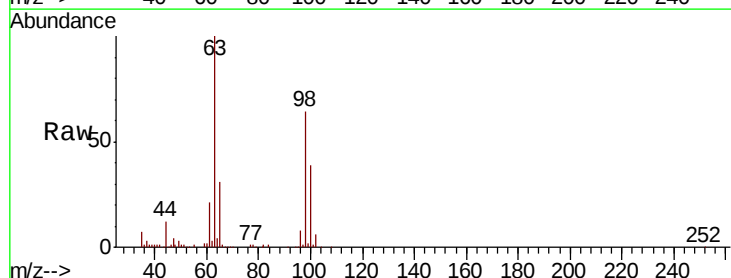
Tgt Ion: 96 Resp: 6250

Ion Ratio Lower Upper

96 100

61 255.8 123.1 228.5#

63 1229.3 87.8 163.0#



Abundance Ion 96.00 (95.70 to 96.70): VU035735.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VU035735.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VU035735.D (-378) (-)

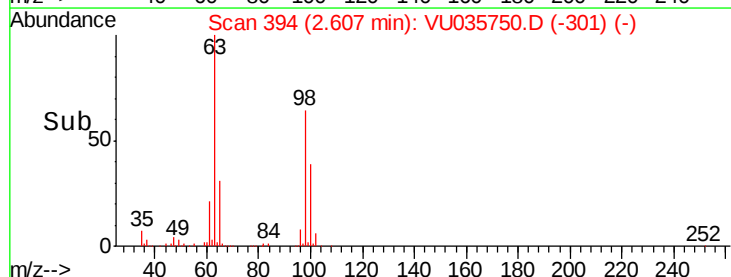
96.00 6250

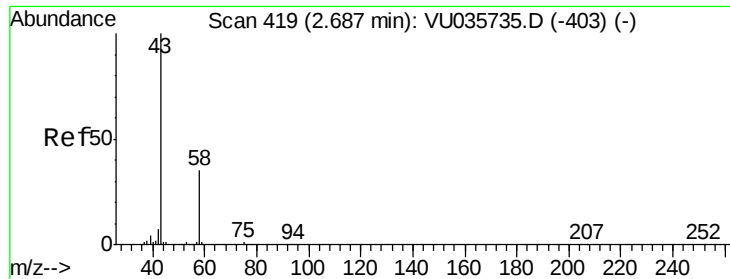
61.05 255.8

63.00 1229.3

2.61

Time-->





#13

Acetone

Concen: 2.678 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU035750.D

Acq: 18 Nov 2019 17:59

Instrument :

MSVOA_U

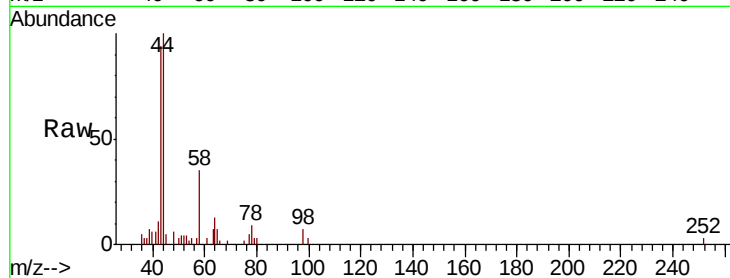
ClientSampled :

Tot Ion: 43 Resp: 8317

Ion Ratio Lower Upper

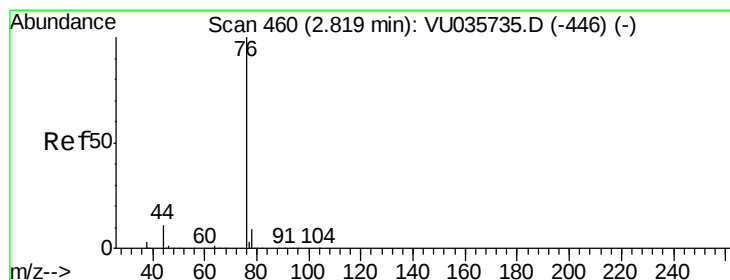
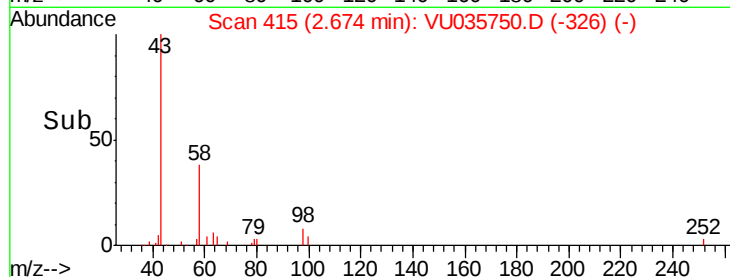
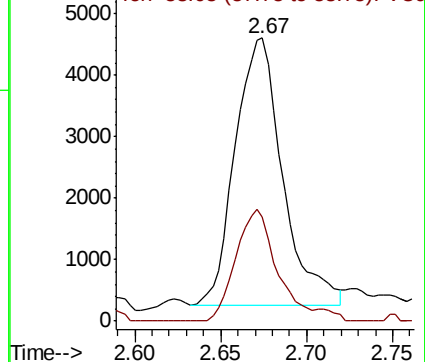
43 100

58 37.8 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035750.D (-326) (-)

Ion 58.05 (57.75 to 58.75): VU035750.D (-326) (-)



#14

Carbon disulfide

Concen: 0.137 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035750.D

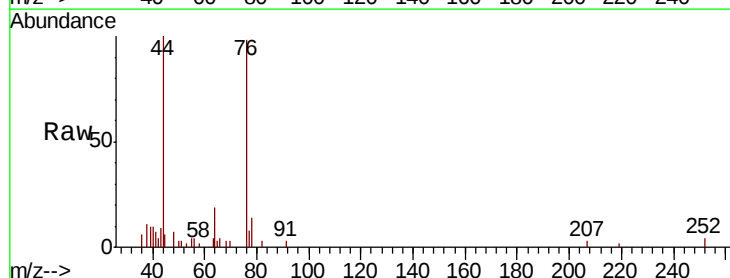
Acq: 18 Nov 2019 17:59

Tgt Ion: 76 Resp: 7422

Ion Ratio Lower Upper

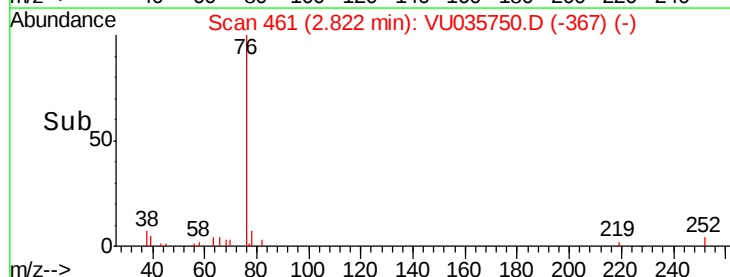
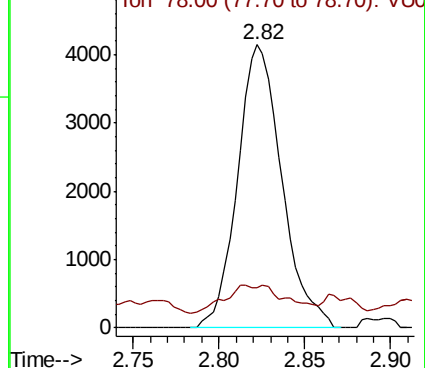
76 100

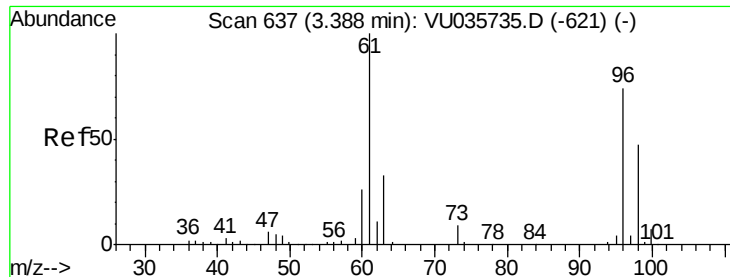
78 14.1 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU035750.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU035750.D (-367) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.162 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035750.D

Acq: 18 Nov 2019 17:59

Instrument :

MSVOA_U

ClientSampleId :

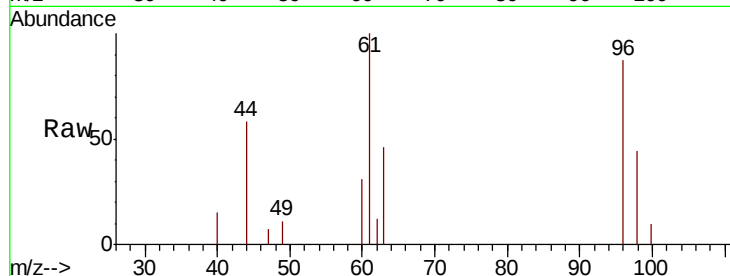
Tot Ion: 96 Resp: 2789

Ion Ratio Lower Upper

96 100

61 114.6 95.0 176.4

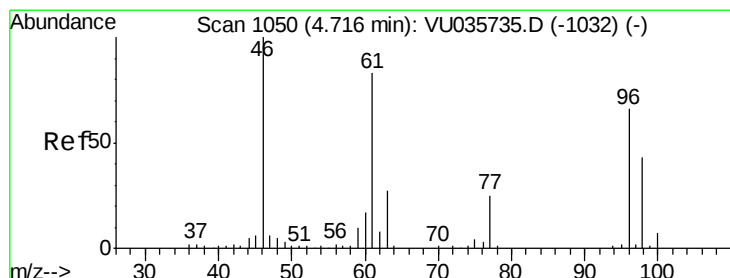
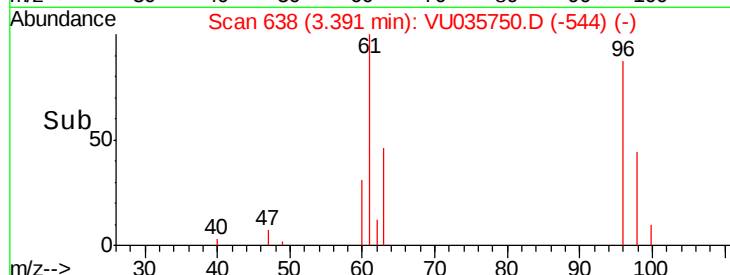
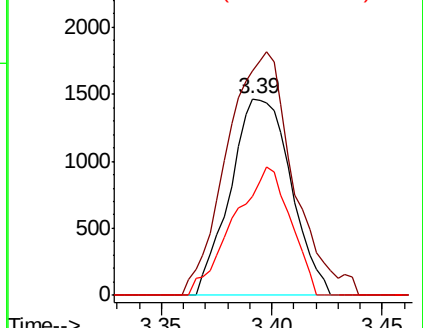
98 50.7 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU035735.D (-621) (-)

Ion 61.05 (60.75 to 61.75): VU035735.D (-621) (-)

Ion 97.95 (97.65 to 98.65): VU035735.D (-621) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.540 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035750.D

Acq: 18 Nov 2019 17:59

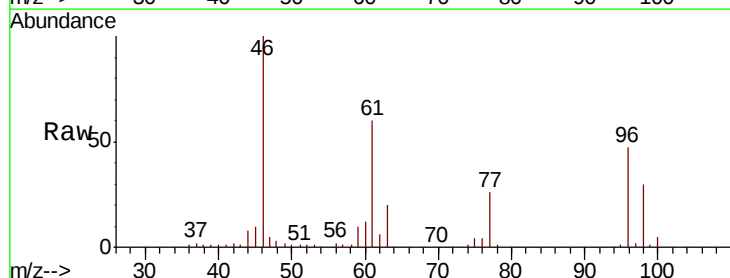
Tgt Ion: 96 Resp: 48135

Ion Ratio Lower Upper

96 100

61 126.1 87.0 161.6

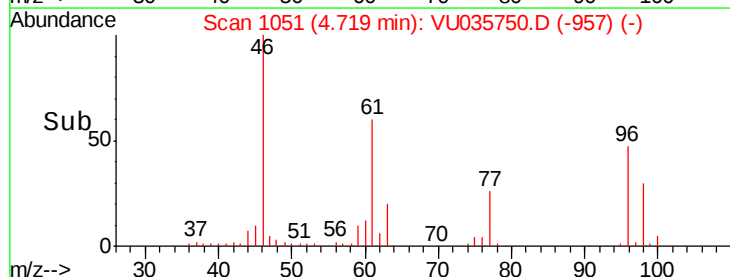
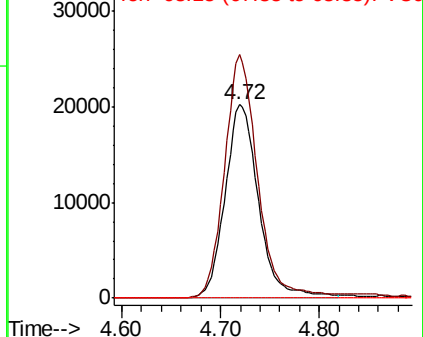
68 0.0 0.0 0.0

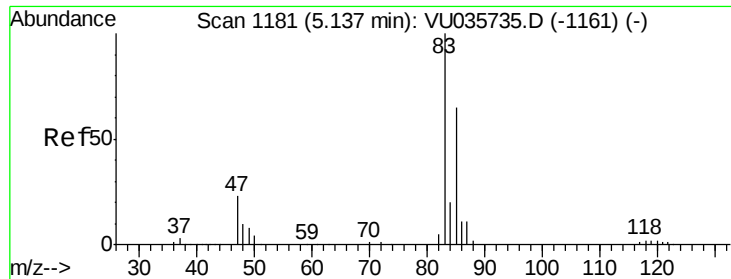


Abundance Ion 96.00 (95.70 to 96.70): VU035735.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035735.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035735.D (-1032) (-)

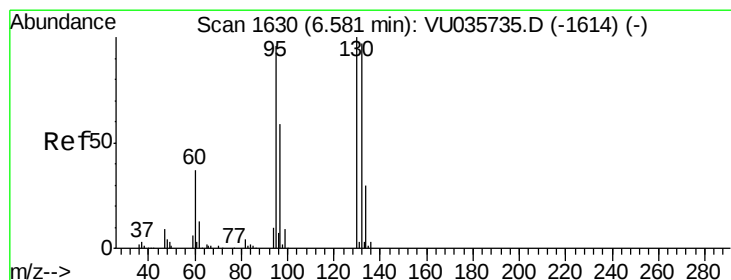
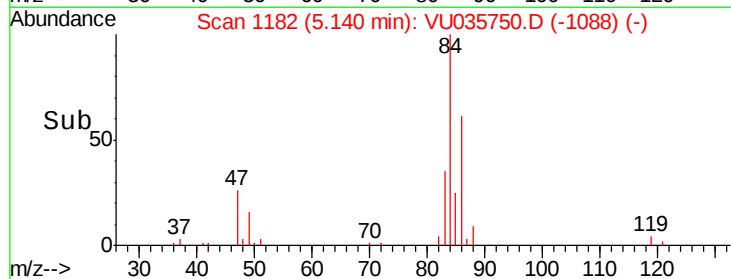
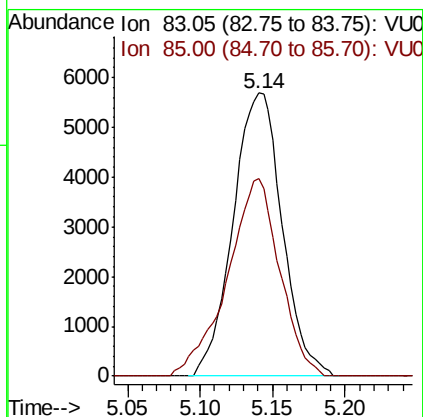
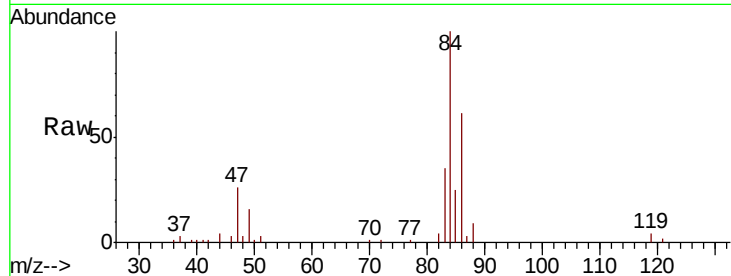




#25
Chloroform
Concen: 0.387 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035750.D
Acq: 18 Nov 2019 17:59

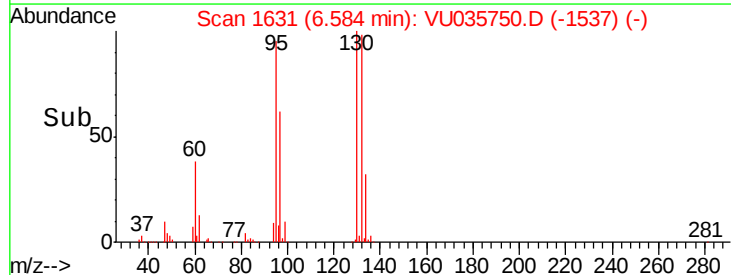
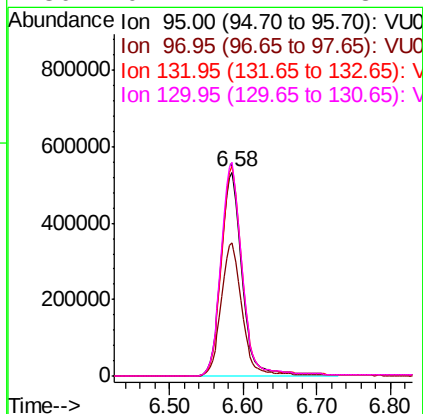
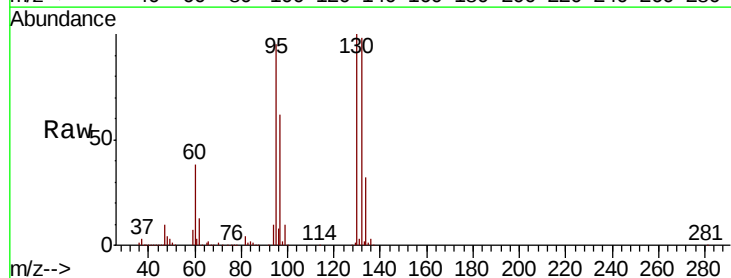
Instrument :
MSVOA_U
ClientSampleId :

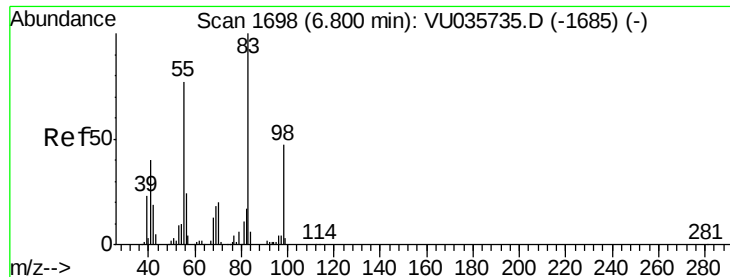
Tot Ion: 83 Resp: 13413
Ion Ratio Lower Upper
83 100
85 70.0 45.4 84.2



#34
Trichloroethene
Concen: 52.077 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035750.D
Acq: 18 Nov 2019 17:59

Tgt Ion: 95 Resp: 1072026
Ion Ratio Lower Upper
95 100
97 65.4 44.5 82.7
132 103.0 69.9 129.7
130 104.7 74.1 137.7

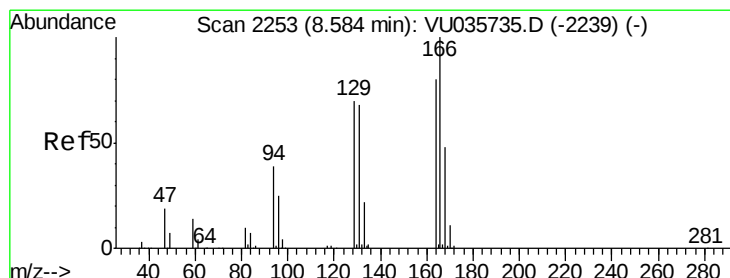
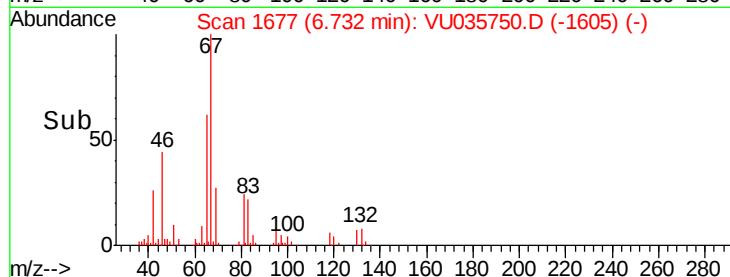
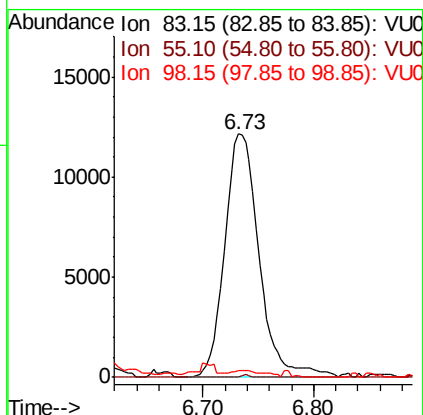
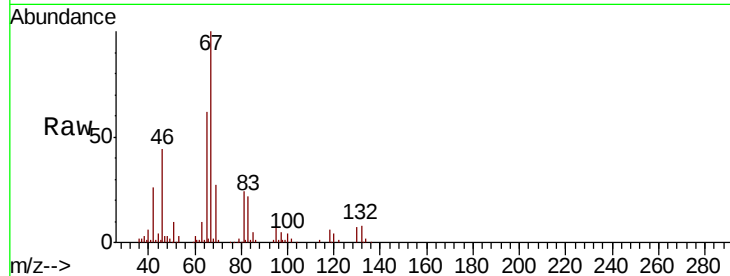




#35
Methylcyclohexane
Concen: 0.837 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035750.D
Acq: 18 Nov 2019 17:59

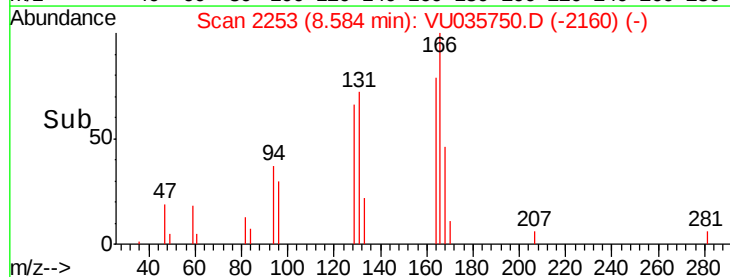
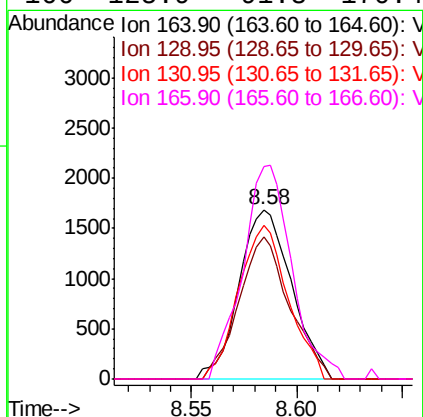
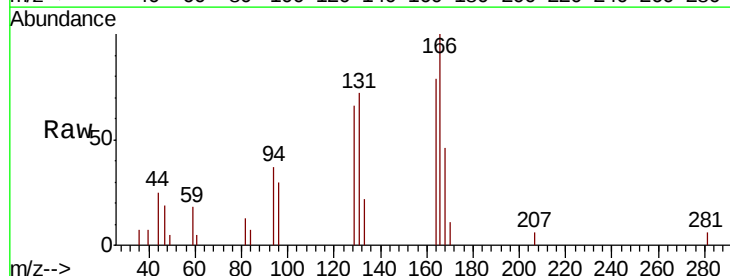
Instrument :
MSVOA_U
ClientSampleId :

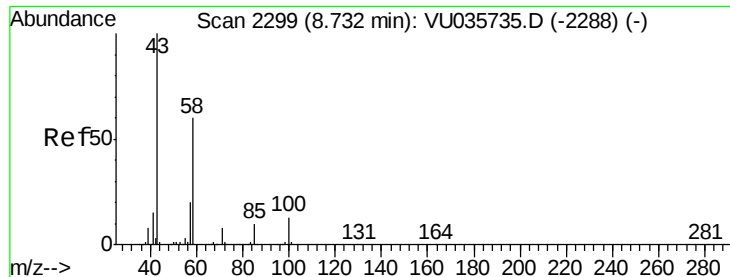
Tot Ion: 83 Resp: 26243
Ion Ratio Lower Upper
83 100
55 0.3 62.6 93.8#
98 0.0 37.2 55.8#



#47
Tetrachloroethene
Concen: 0.162 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035750.D
Acq: 18 Nov 2019 17:59

Tgt Ion: 164 Resp: 2908
Ion Ratio Lower Upper
164 100
129 83.7 64.7 120.1
131 90.7 61.6 114.4
166 125.9 91.8 170.4

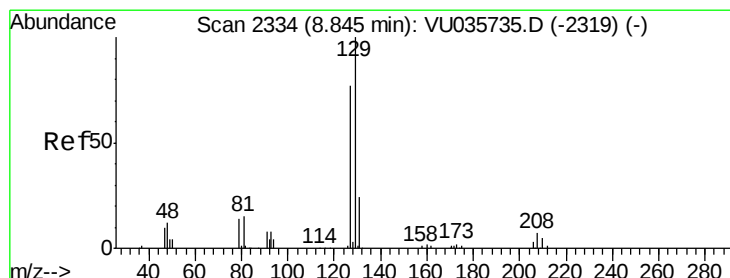
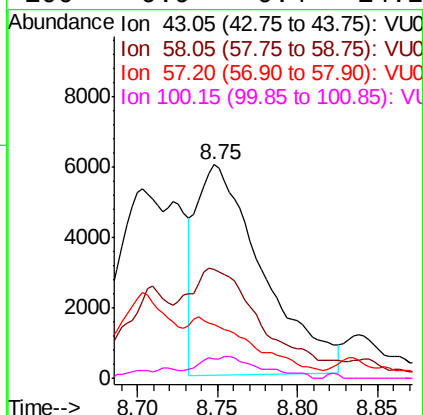
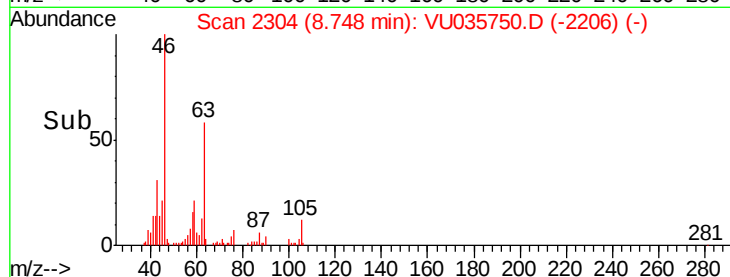
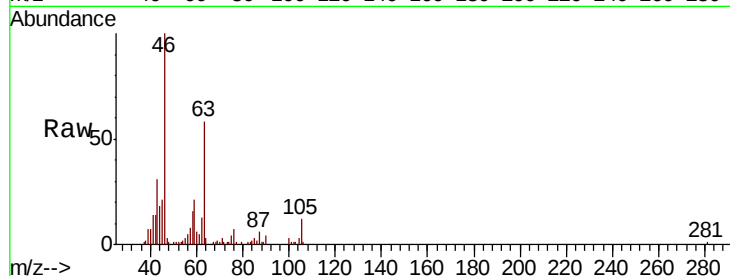




#48
2-Hexanone
Concen: 1.979 ug/L
RT: 8.75 min Scan# 2304
Delta R.T. 0.02 min
Lab File: VU035750.D
Acq: 18 Nov 2019 17:59

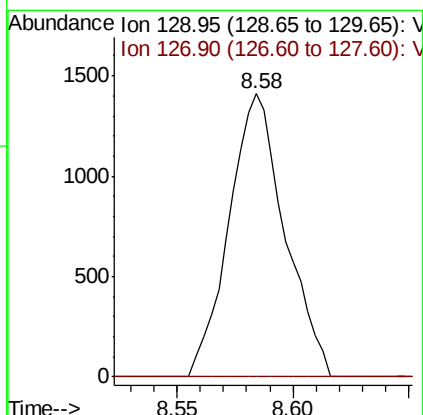
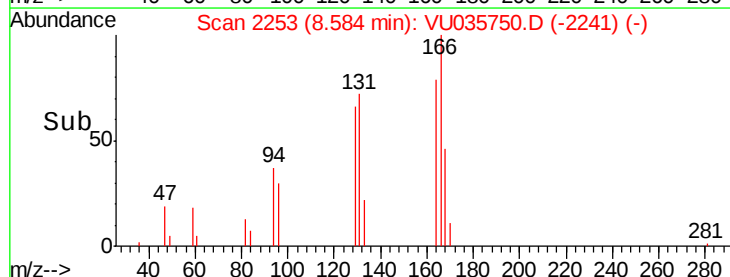
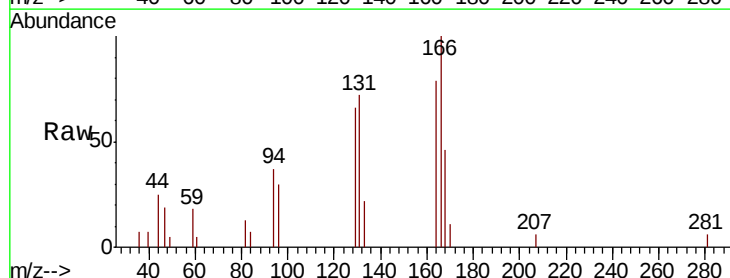
Instrument :
MSVOA_U
ClientSampleId :

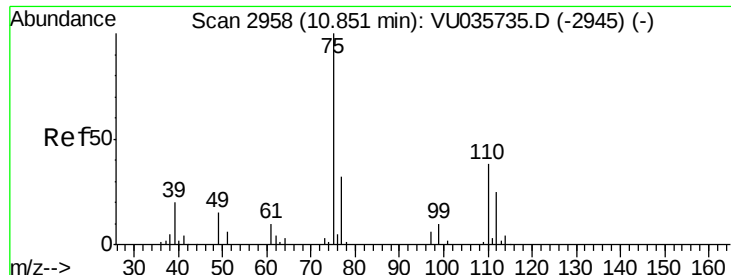
Tot Ion: 43 Resp: 17139
Ion Ratio Lower Upper
43 100
58 48.5 44.1 66.1
57 26.0 15.1 22.7#
100 9.9 9.4 14.2



#49
Dibromochloromethane
Concen: 0.126 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035750.D
Acq: 18 Nov 2019 17:59

Tgt Ion: 129 Resp: 2358
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#





#59

1,2,3-Trichloropropane

Concen: 0.609 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035750.D

Acq: 18 Nov 2019 17:59

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 8536

Ion Ratio Lower Upper

75 100

77 36.1 26.8 40.2

