

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111819\
 Data File : VU035751.D
 Acq On : 18 Nov 2019 18:24
 Operator : JC/SP
 Sample : K5910-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 19 00:37:32 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	184069	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	219970	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	72179	5.00	ug/L	0.00

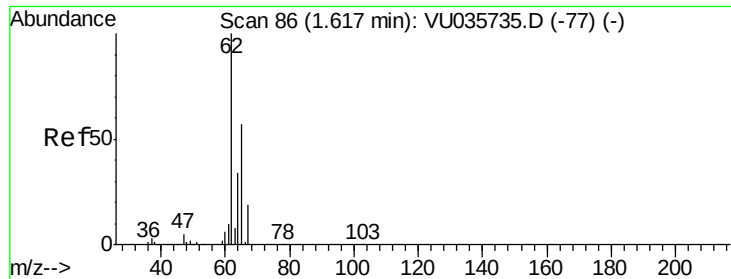
System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	84619	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.93	69	81457	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.59	63	112847	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.70	46	221200	52.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.76%
24) Chloroform-d	5.11	84	149953	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.75	65	85969	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.77	84	316206	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.74	67	112206	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.93	98	256400	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.22	79	37849	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.70	63	151603	43.27	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	90063	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	75284	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	2126	0.091	ug/L #	1
12) 1,1-Dichloroethene	2.61	96	6228	0.385	ug/L #	1
13) Acetone	2.67	43	6368	2.111	ug/L	86
14) Carbon disulfide	2.82	76	6021	0.115	ug/L #	80
18) trans-1,2-Dichloroethene	3.39	96	2899	0.174	ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	46780	2.542	ug/L	99
25) Chloroform	5.14	83	18280	0.543	ug/L	99
34) Trichloroethene	6.58	95	1079387	54.483	ug/L	98
35) Methylcyclohexane	6.74	83	24520	0.812	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	10960	0.537	ug/L #	88
47) Tetrachloroethene	8.59	164	2883	0.167	ug/L	80
49) Dibromochloromethane	8.58	129	2625	0.146	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8098	0.600	ug/L	98

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



#5

Vinyl chloride

Concen: 0.091 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035751.D

Acq: 18 Nov 2019 18:24

Instrument :

MSVOA_U

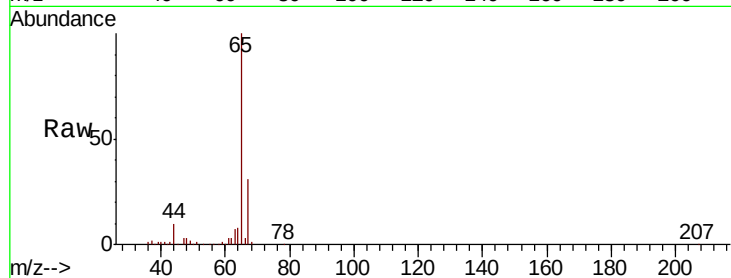
ClientSampleId :

Tot Ion: 62 Resp: 2126

Ion Ratio Lower Upper

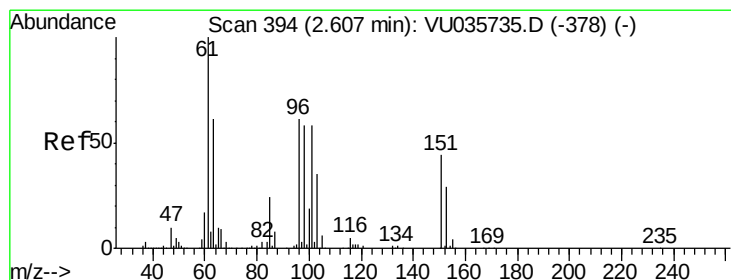
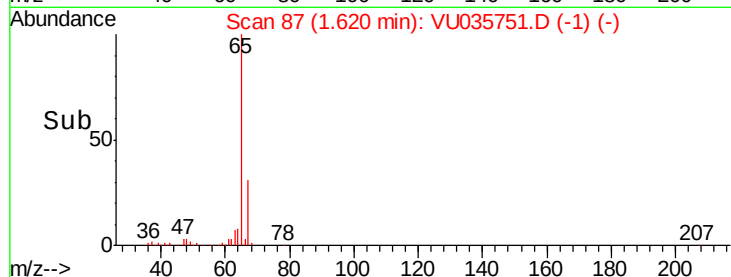
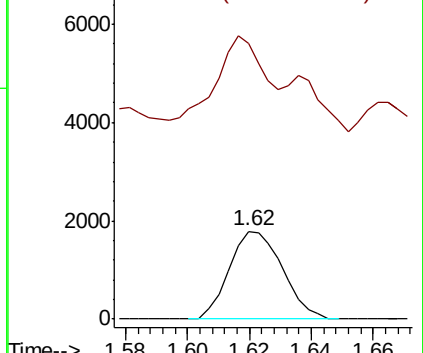
62 100

64 314.1 23.5 43.7#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 0.385 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035751.D

Acq: 18 Nov 2019 18:24

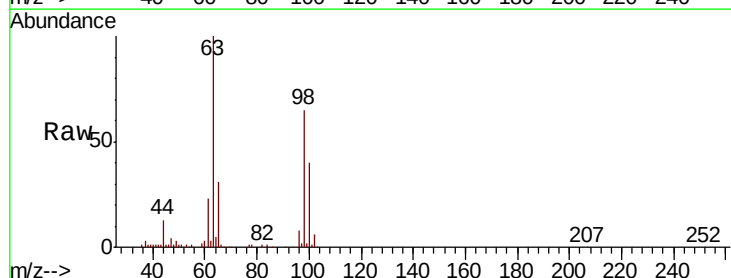
Tgt Ion: 96 Resp: 6228

Ion Ratio Lower Upper

96 100

61 277.4 123.1 228.5#

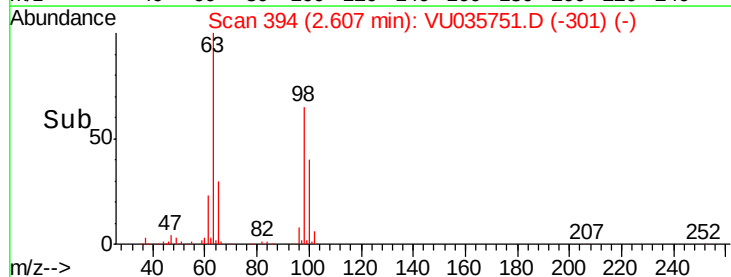
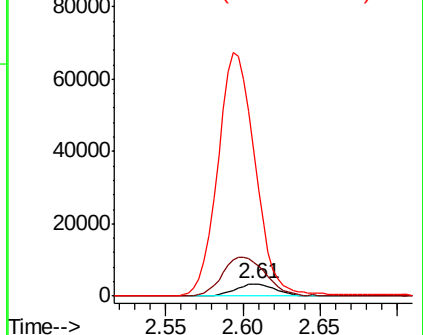
63 1200.5 87.8 163.0#

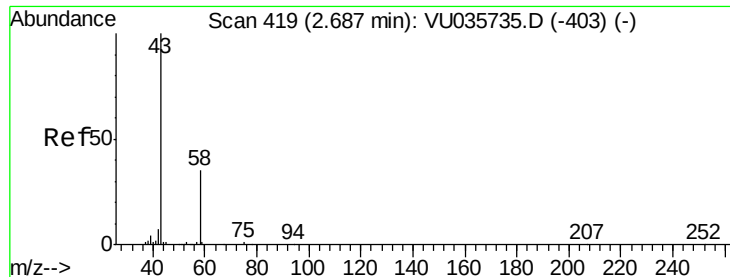


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.111 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU035751.D

Acq: 18 Nov 2019 18:24

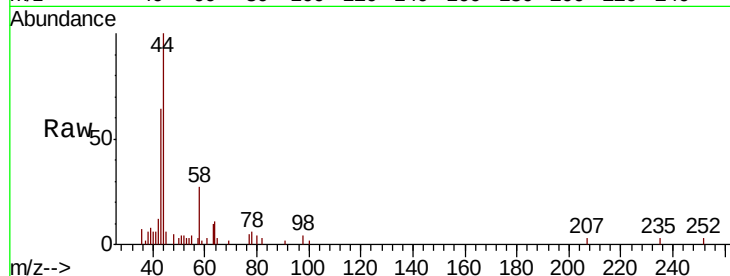
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 6368

Ion Ratio Lower Upper

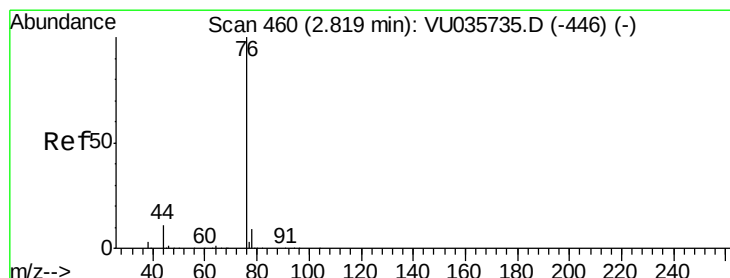
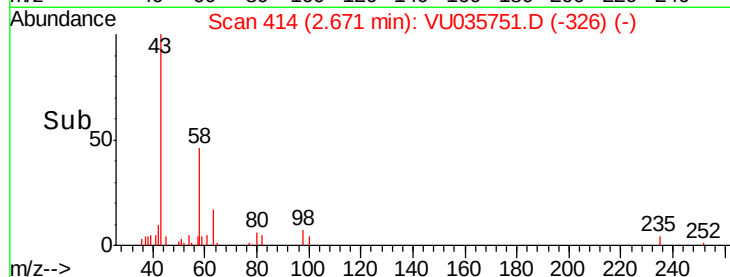
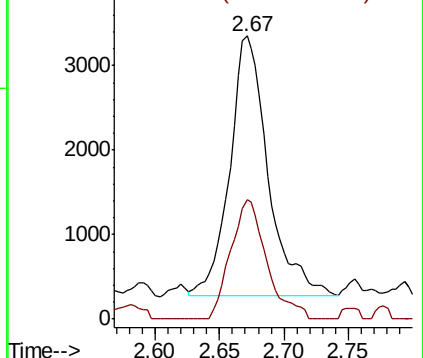
43 100

58 42.9 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035751.D (-403) (-)

Ion 58.05 (57.75 to 58.75): VU035751.D (-403) (-)



#14

Carbon disulfide

Concen: 0.115 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035751.D

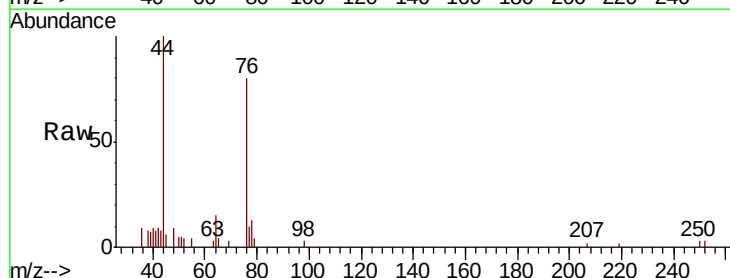
Acq: 18 Nov 2019 18:24

Tgt Ion: 76 Resp: 6021

Ion Ratio Lower Upper

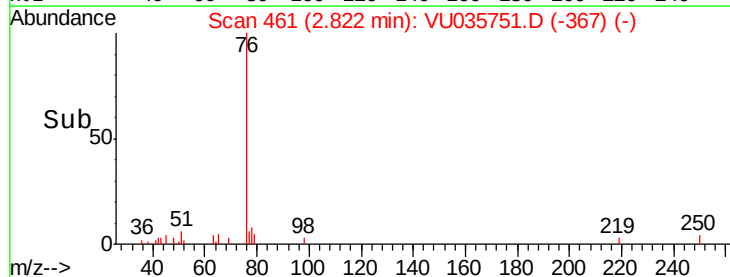
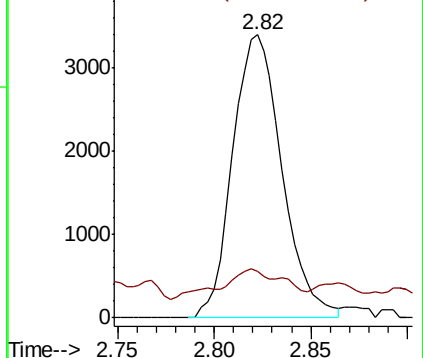
76 100

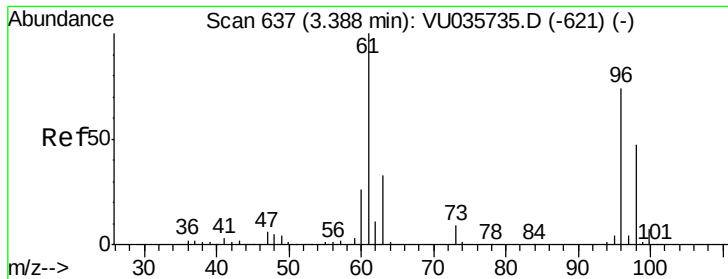
78 16.3 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU035751.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035751.D (-446) (-)

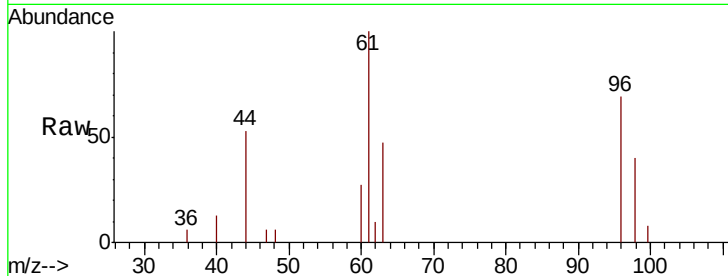




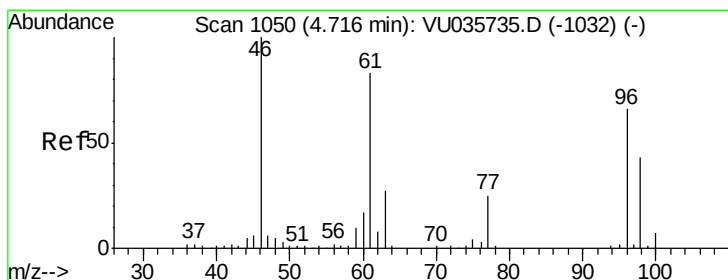
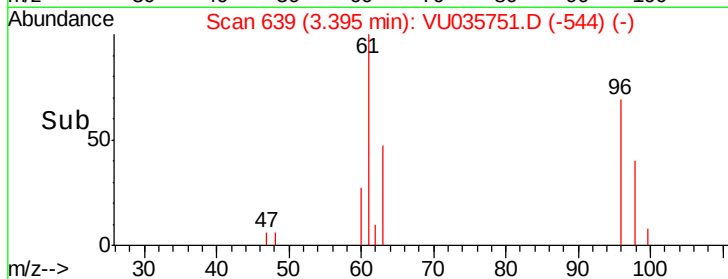
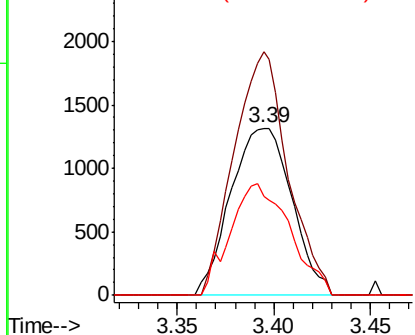
#18
 trans-1,2-Dichloroethene
 Concen: 0.174 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VU035751.D
 Acq: 18 Nov 2019 18:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 2899
 Ion Ratio Lower Upper
 96 100
 61 145.7 95.0 176.4
 98 58.9 42.5 78.9

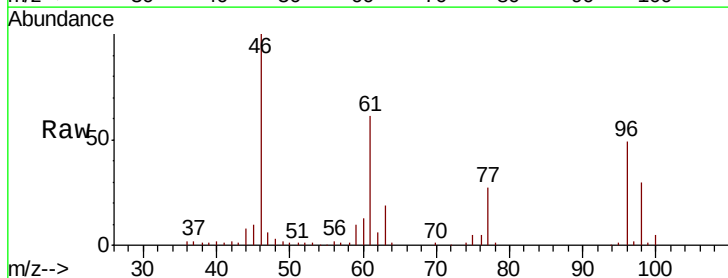


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

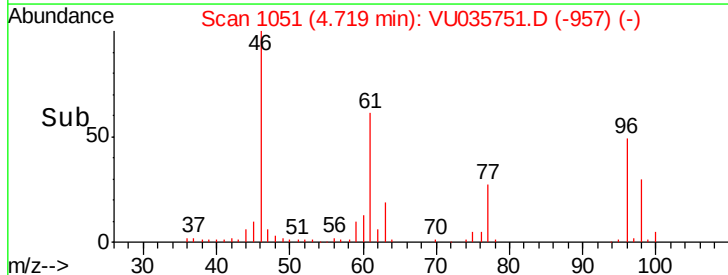
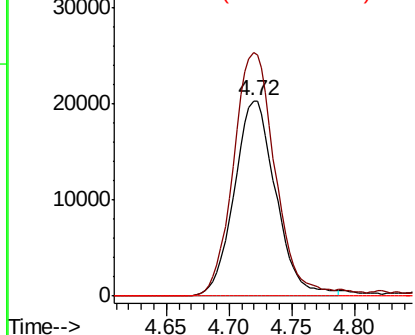


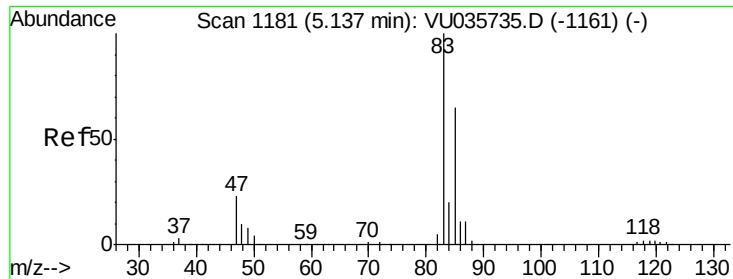
#22
 cis-1,2-Dichloroethene
 Concen: 2.542 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035751.D
 Acq: 18 Nov 2019 18:24

Tgt Ion: 96 Resp: 46780
 Ion Ratio Lower Upper
 96 100
 61 124.9 87.0 161.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

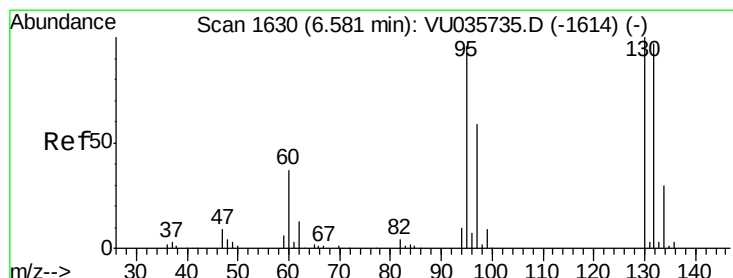
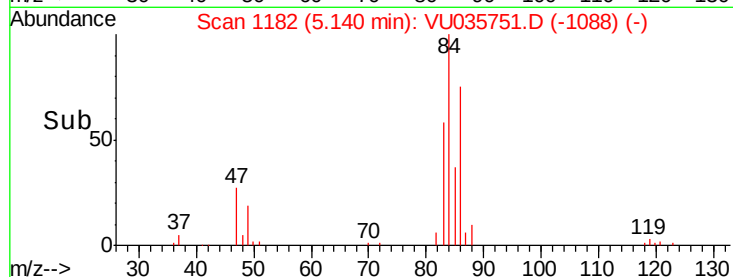
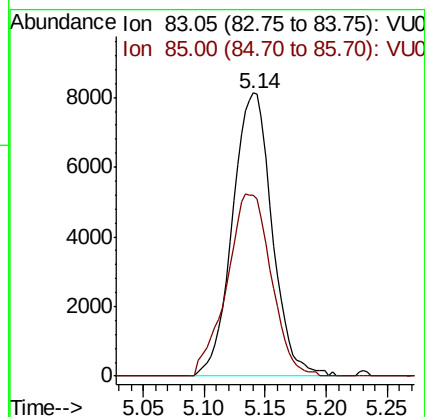
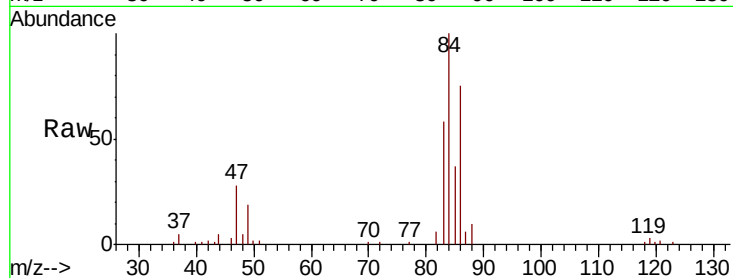




#25
Chloroform
Concen: 0.543 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035751.D
Acq: 18 Nov 2019 18:24

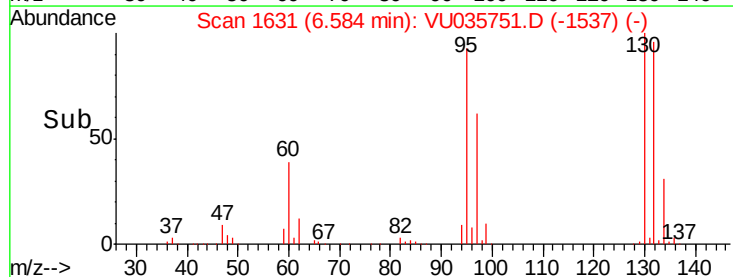
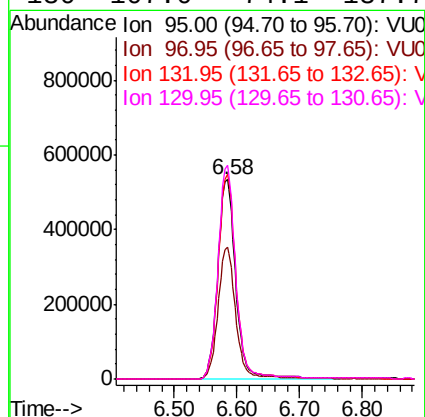
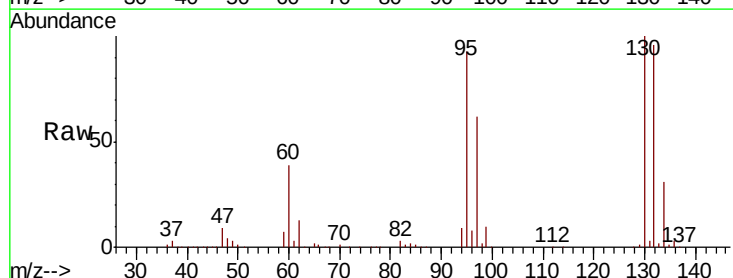
Instrument :
MSVOA_U
ClientSampleId :

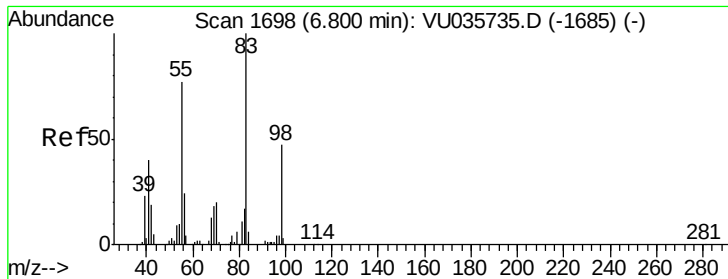
Tot Ion: 83 Resp: 18280
Ion Ratio Lower Upper
83 100
85 63.9 45.4 84.2



#34
Trichloroethene
Concen: 54.483 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035751.D
Acq: 18 Nov 2019 18:24

Tgt Ion: 95 Resp: 1079387
Ion Ratio Lower Upper
95 100
97 66.0 44.5 82.7
132 102.8 69.9 129.7
130 107.0 74.1 137.7





#35

Methylcyclohexane

Concen: 0.812 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

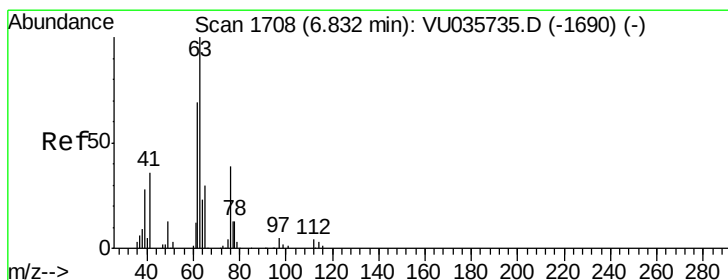
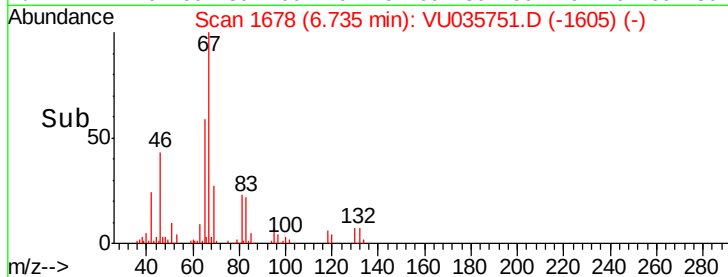
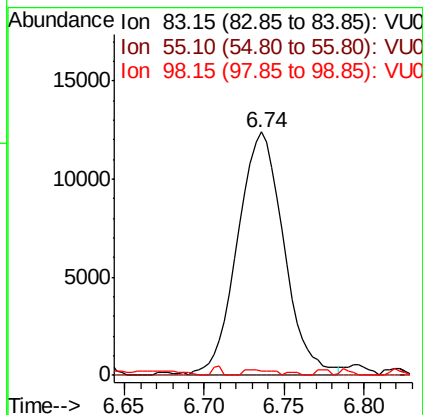
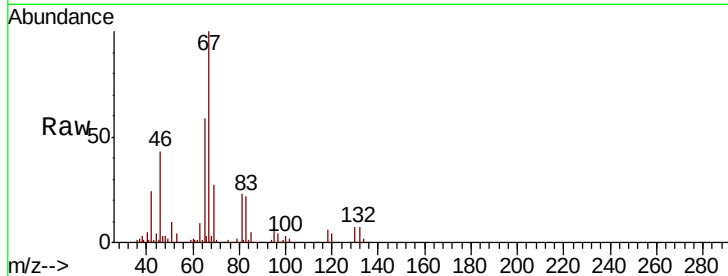
Lab File: VU035751.D

Acq: 18 Nov 2019 18:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 24520

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.6	93.8#
98	0.0	37.2	55.8#



#37

1,2-Dichloropropane

Concen: 0.537 ug/L

RT: 6.73 min Scan# 1677

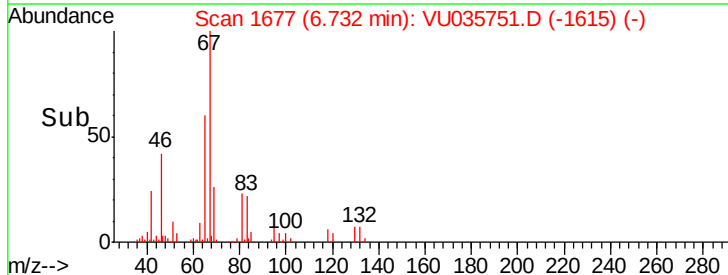
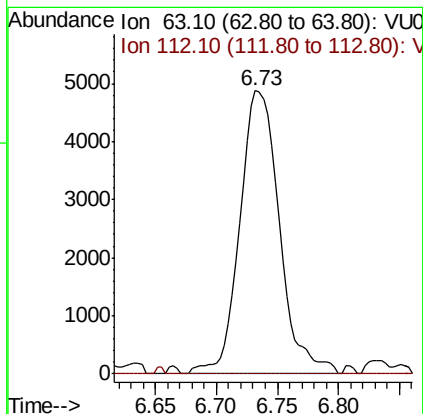
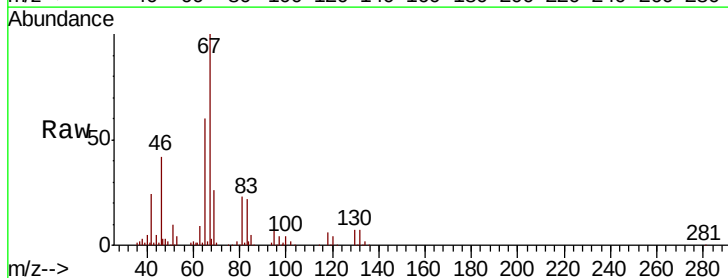
Delta R.T. -0.10 min

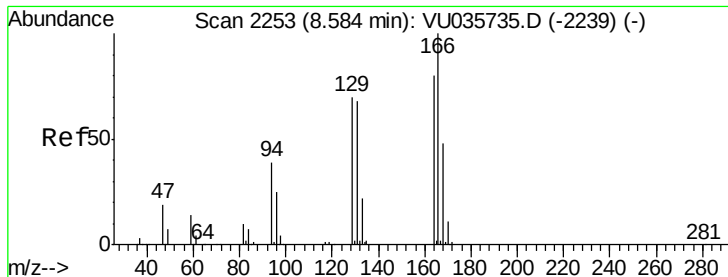
Lab File: VU035751.D

Acq: 18 Nov 2019 18:24

Tgt Ion: 63 Resp: 10960

Ion	Ratio	Lower	Upper
63	100		
112	0.4	3.4	5.2#

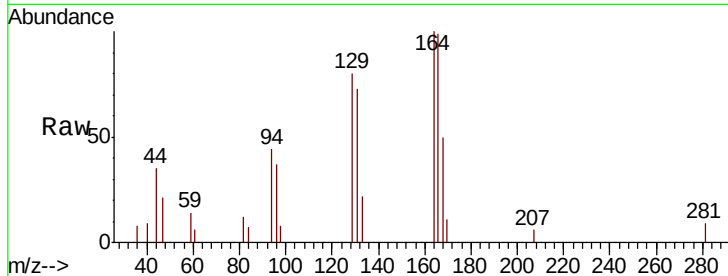




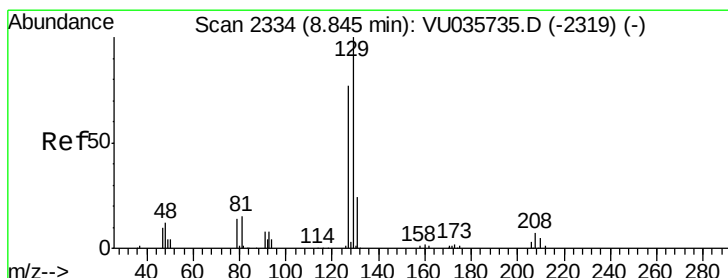
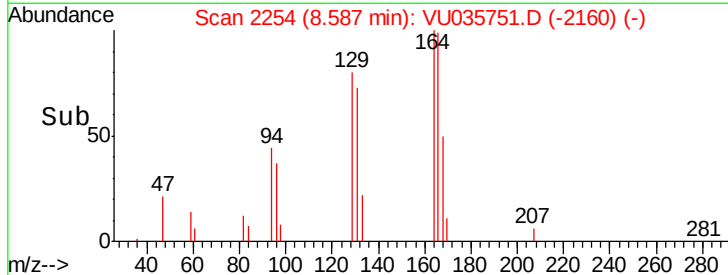
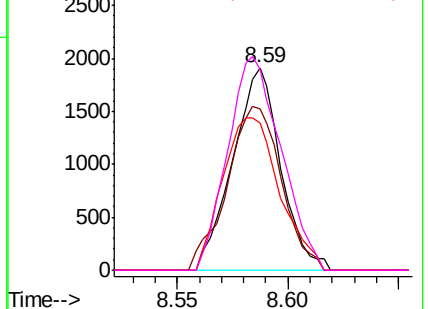
#47
Tetrachloroethene
Concen: 0.167 ug/L
RT: 8.59 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VU035751.D
Acq: 18 Nov 2019 18:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 2883
Ion Ratio Lower Upper
164 100
129 79.7 64.7 120.1
131 72.9 61.6 114.4
166 99.1 91.8 170.4

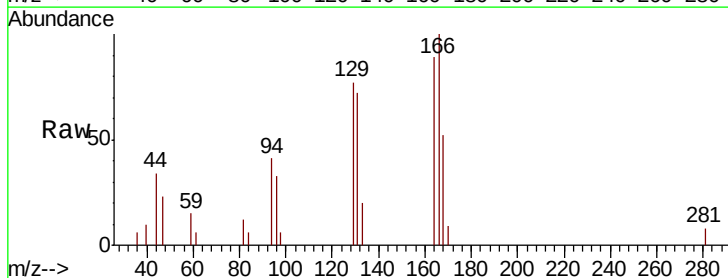


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

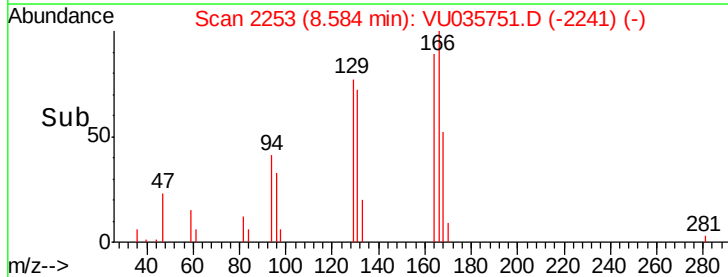
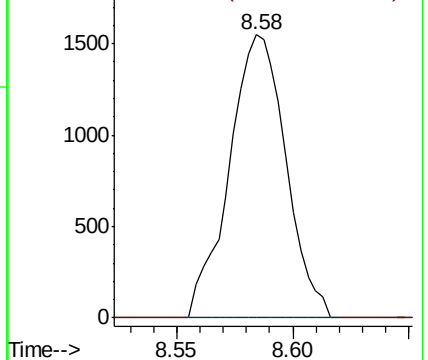


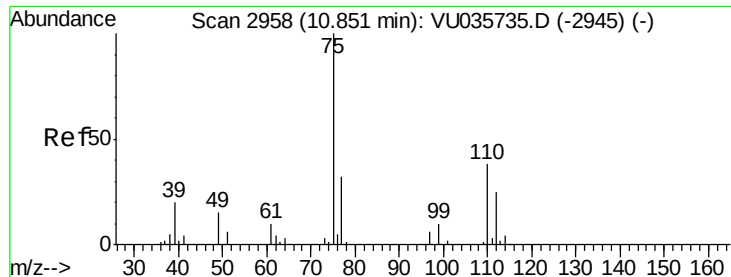
#49
Dibromochloromethane
Concen: 0.146 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035751.D
Acq: 18 Nov 2019 18:24

Tgt Ion:129 Resp: 2625
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.600 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035751.D

Acq: 18 Nov 2019 18:24

Instrument :

MSVOA_U

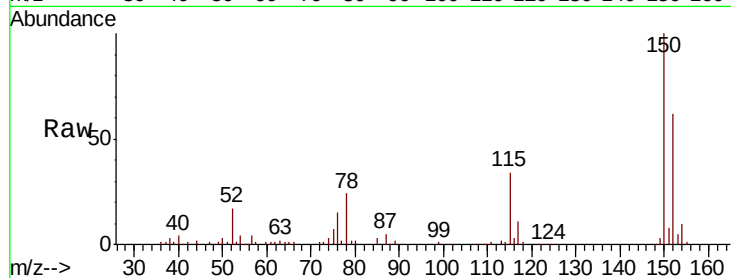
ClientSampleId :

Tot Ion: 75 Resp: 8098

Ion Ratio Lower Upper

75 100

77 32.6 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

