

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035369.D
 Acq On : 22 Oct 2019 17:33
 Operator : JC/SP
 Sample : K5461-22DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:05:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	264710	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	257982	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	84183	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	93227	5.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.40%
7) Chloroethane-d5	1.93	69	85737	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.59	63	126210	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.60%
20) 2-Butanone-d5	4.70	46	245927	53.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	5.11	84	158037	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
26) 1,2-Dichloroethane-d4	5.75	65	90163	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.77	84	320560	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
36) 1,2-Dichloropropane-d6	6.74	67	107874	5.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.20%
41) Toluene-d8	7.93	98	275892	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.21	79	39233	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.68	63	172740	43.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.18%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	86576	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.23	152	81905	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	25152	1.096 ug/L #	64
12) 1,1-Dichloroethene	2.60	96	1573	0.092 ug/L #	1
13) Acetone	2.67	43	2713	0.841 ug/L	95
16) Methylene chloride	3.08	84	4519	0.221 ug/L	96
17) Methyl tert-butyl Ether	3.42	73	6854	0.150 ug/L #	89
18) trans-1,2-Dichloroethene	3.39	96	3408	0.186 ug/L	90
19) 1,1-Dichloroethane	3.92	63	3899	0.117 ug/L	87
22) cis-1,2-Dichloroethene	4.72	96	143308	7.065 ug/L	99
25) Chloroform	5.14	83	12338	0.339 ug/L	95
34) Trichloroethene	6.58	95	175662	8.608 ug/L	98
35) Methylcyclohexane	6.74	83	25000	0.733 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	11484	0.596 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2709	0.084 ug/L #	60
47) Tetrachloroethene	8.58	164	3819	0.225 ug/L	95
48) 2-Hexanone	8.74	43	11219	1.230 ug/L #	87
49) Dibromochloromethane	8.58	129	3479	0.192 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	11044	0.823 ug/L	98

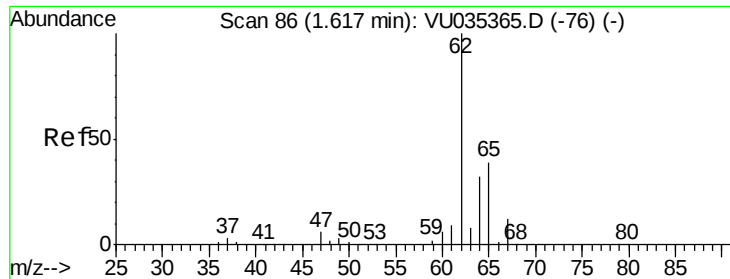
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102219\
Data File : VU035369.D
Acq On : 22 Oct 2019 17:33
Operator : JC/SP
Sample : K5461-22DL 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Oct 23 08:05:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5

Vinyl chloride

Concen: 1.096 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035369.D

Acq: 22 Oct 2019 17:33

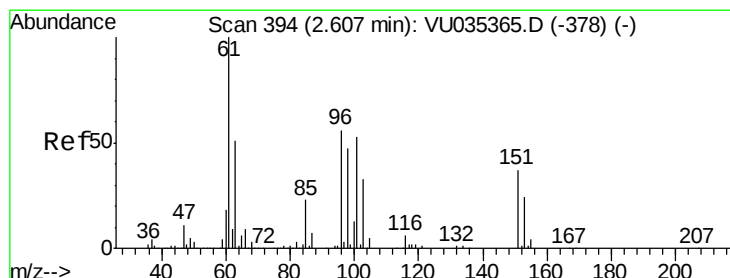
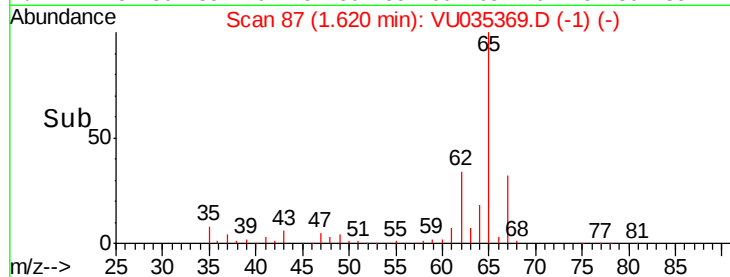
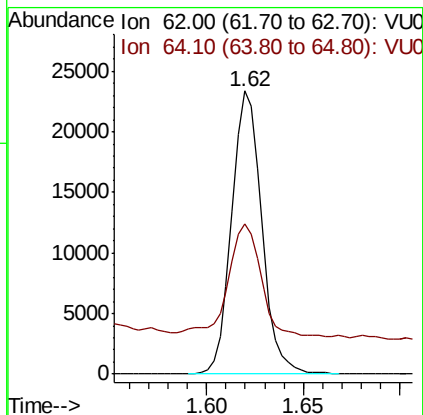
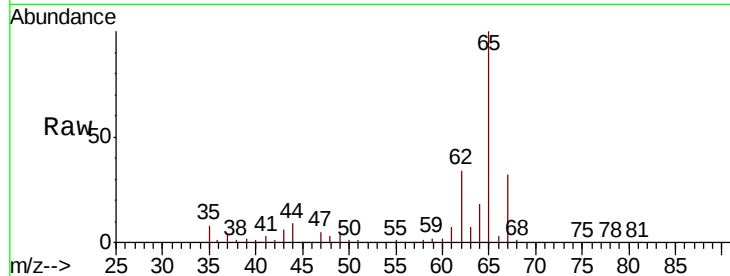
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 25152

Ion Ratio Lower Upper

62 100

64 52.9 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.092 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035369.D

Acq: 22 Oct 2019 17:33

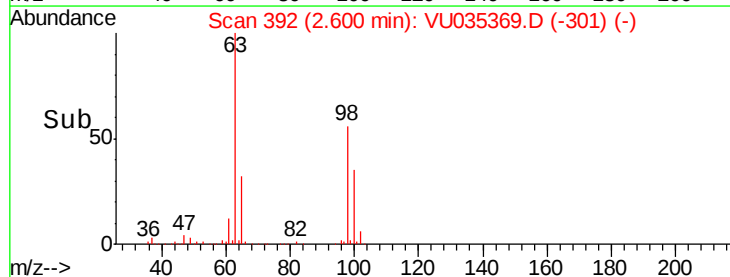
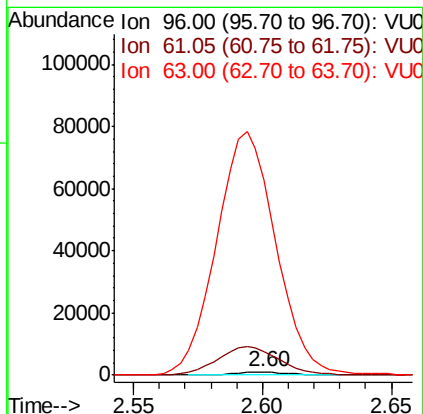
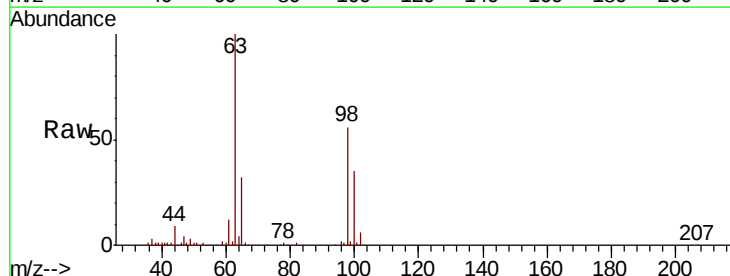
Tgt Ion: 96 Resp: 1573

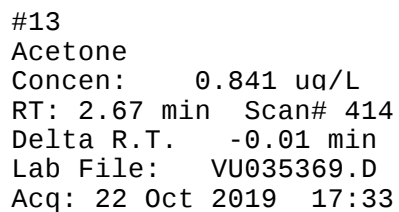
Ion Ratio Lower Upper

96 100

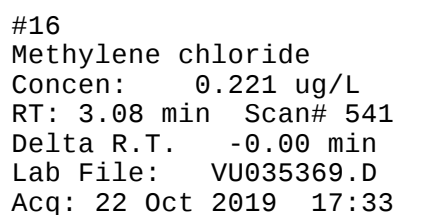
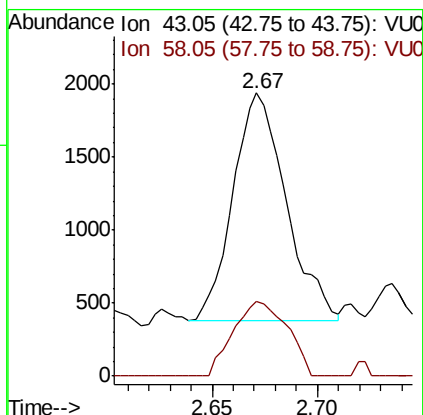
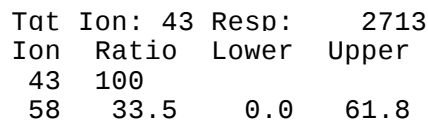
61 749.1 120.6 224.0#

63 6079.8 86.8 161.2#

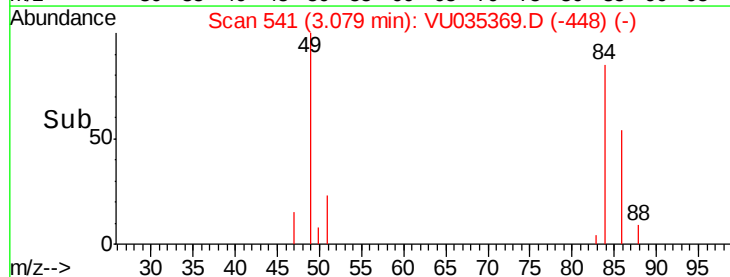
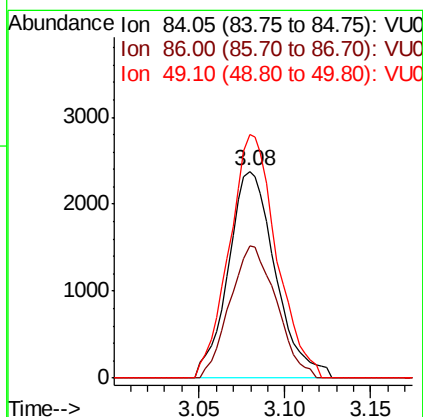


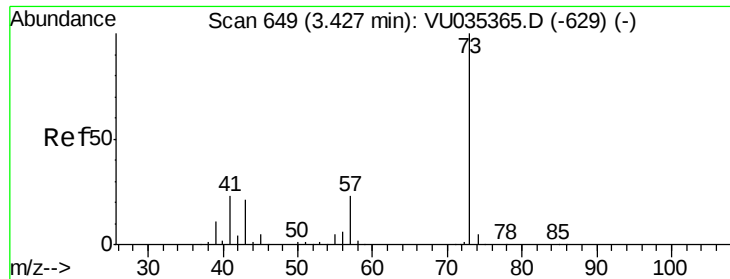


Instrument :
MSVOA_U
ClientSampleId :



Tgt	Ion: 84	Resp:	4519
Ion	Ratio	Lower	Upper
84	100		
86	63.9	45.4	84.2
49	117.5	86.8	161.2



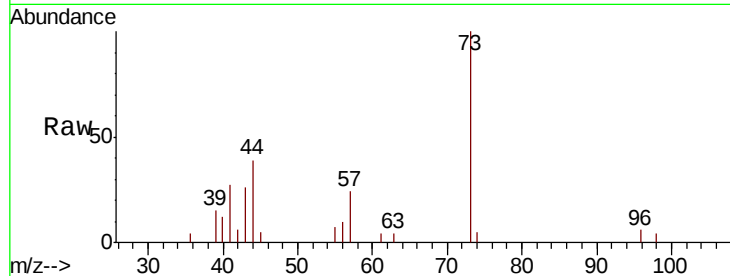


#17

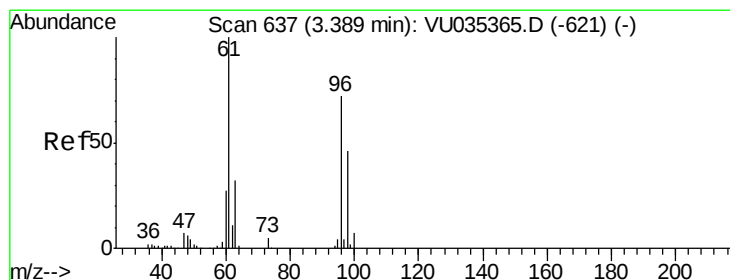
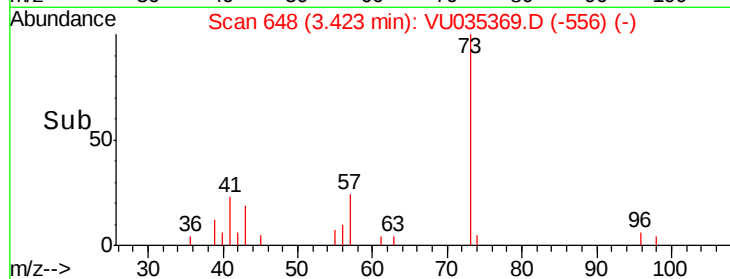
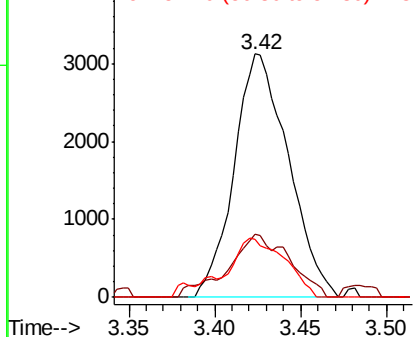
Methvl tert-butvl Ether
 Concen: 0.150 ug/L
 RT: 3.42 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: VU035369.D
 Acq: 22 Oct 2019 17:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 6854
 Ion Ratio Lower Upper
 73 100
 43 29.2 16.0 24.0#
 57 22.9 17.4 26.2



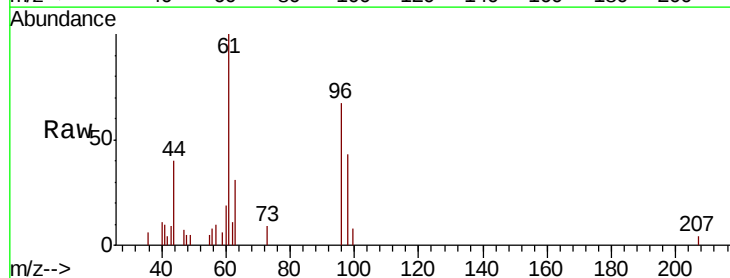
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



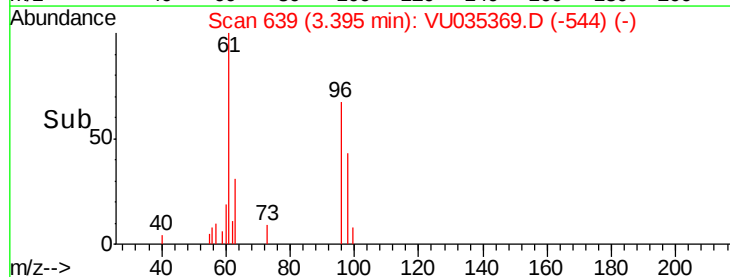
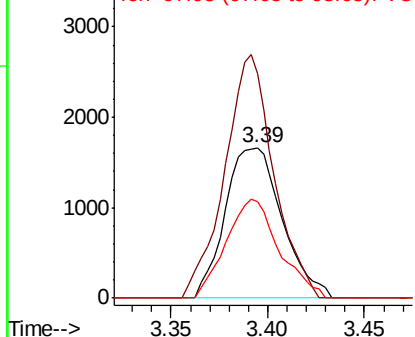
#18

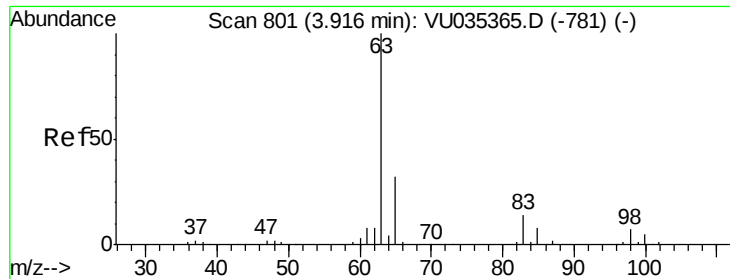
trans-1,2-Dichloroethene
 Concen: 0.186 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VU035369.D
 Acq: 22 Oct 2019 17:33

Tgt Ion: 96 Resp: 3408
 Ion Ratio Lower Upper
 96 100
 61 148.9 93.0 172.6
 98 64.5 43.7 81.1



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

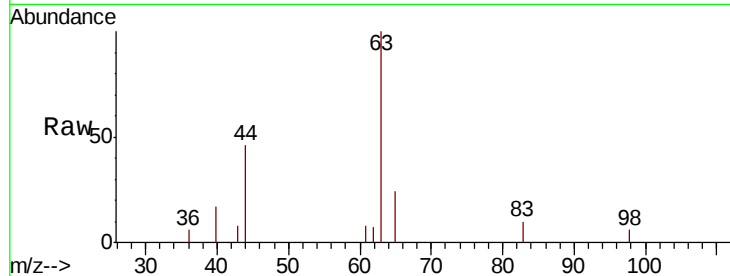




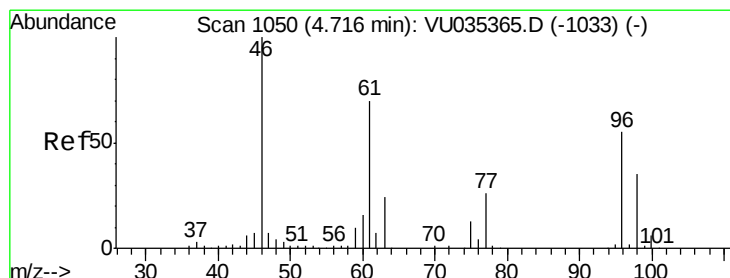
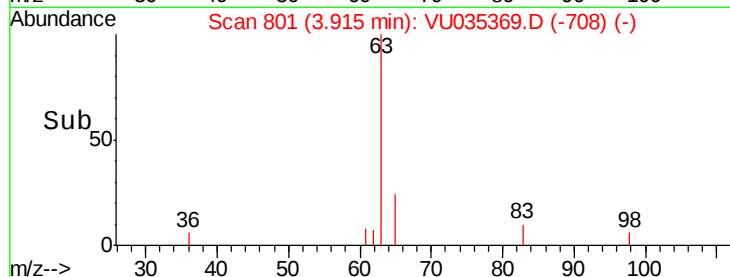
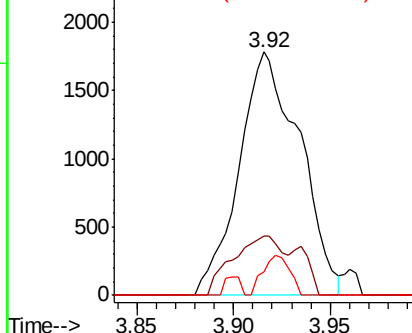
#19
 1,1-Dichloroethane
 Concen: 0.117 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU035369.D
 Acq: 22 Oct 2019 17:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 3899
 Ion Ratio Lower Upper
 63 100
 65 24.2 22.4 41.6
 83 9.6 9.3 17.3

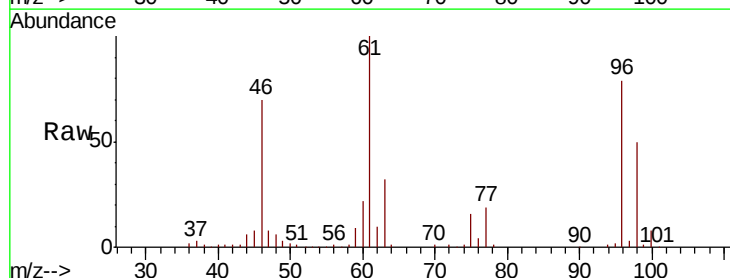


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

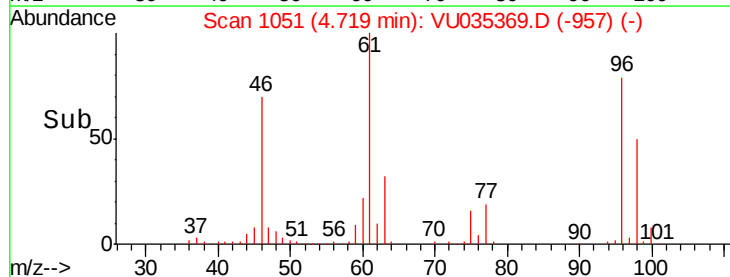
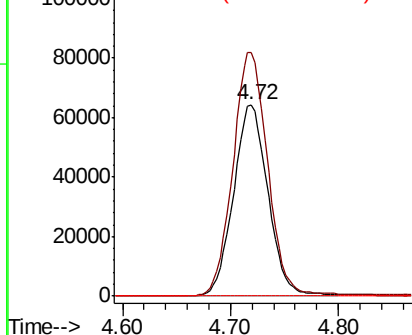


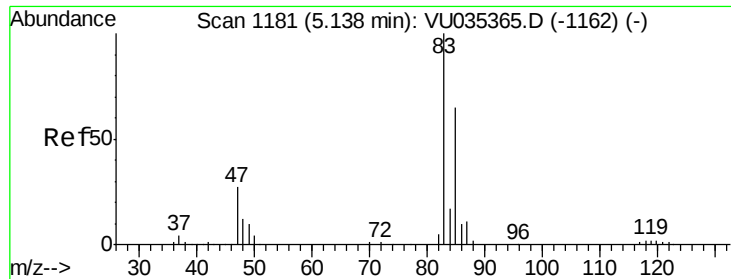
#22
 cis-1,2-Dichloroethene
 Concen: 7.065 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035369.D
 Acq: 22 Oct 2019 17:33

Tgt Ion: 96 Resp: 143308
 Ion Ratio Lower Upper
 96 100
 61 127.0 89.7 166.5
 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

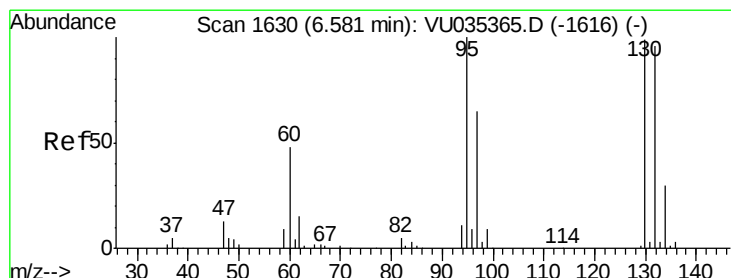
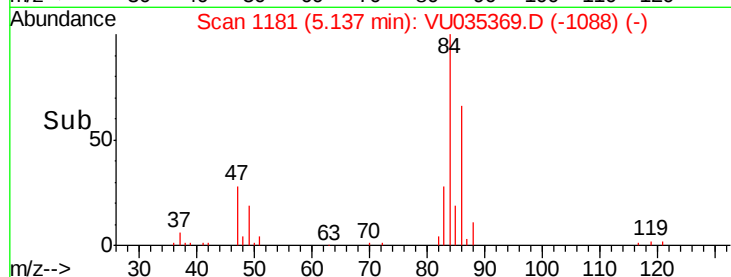
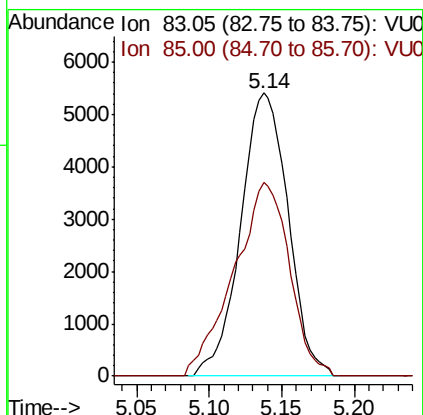
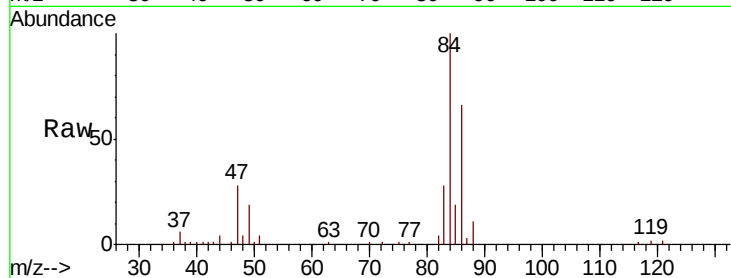




#25
Chloroform
Concen: 0.339 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035369.D
Acq: 22 Oct 2019 17:33

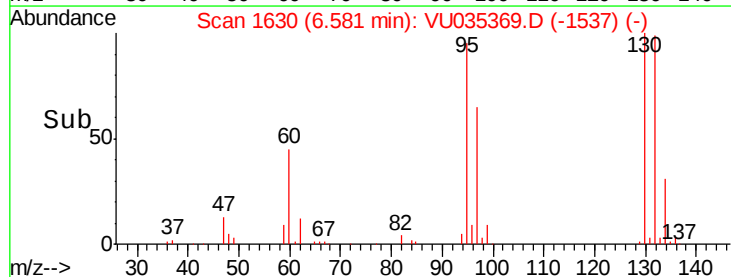
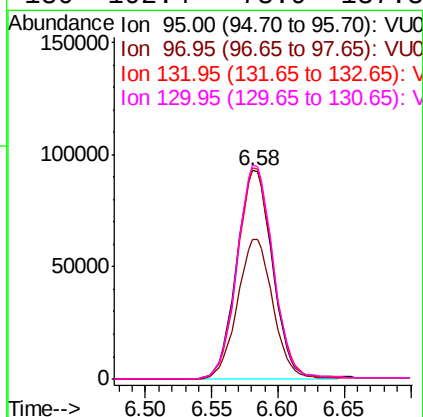
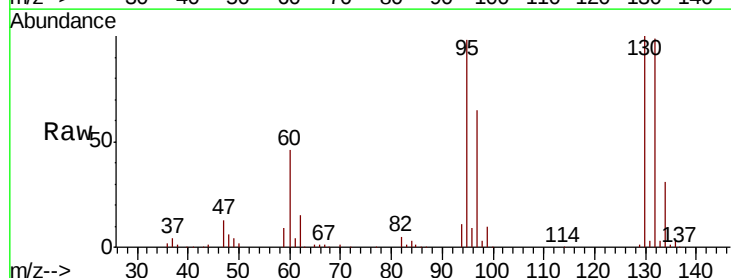
Instrument :
MSVOA_U
ClientSampled :

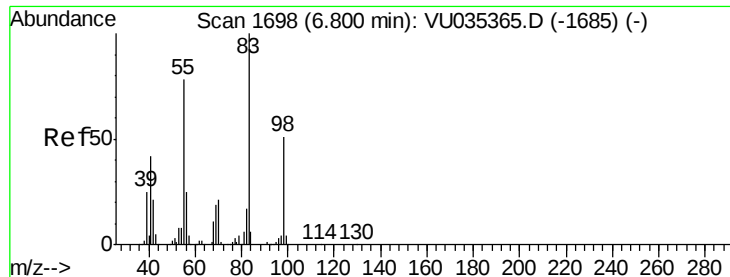
Tot Ion: 83 Resp: 12338
Ion Ratio Lower Upper
83 100
85 68.3 45.1 83.9



#34
Trichloroethene
Concen: 8.608 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU035369.D
Acq: 22 Oct 2019 17:33

Tgt Ion: 95 Resp: 175662
Ion Ratio Lower Upper
95 100
97 66.8 46.6 86.6
132 101.4 68.7 127.7
130 102.4 73.9 137.3

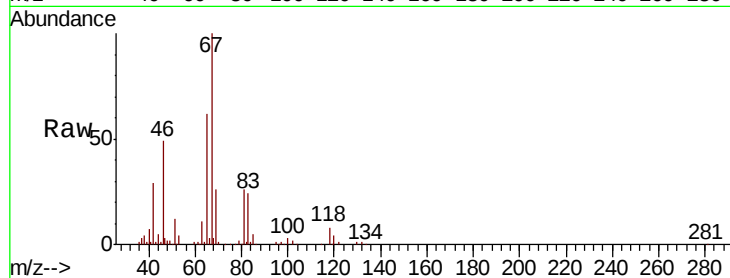




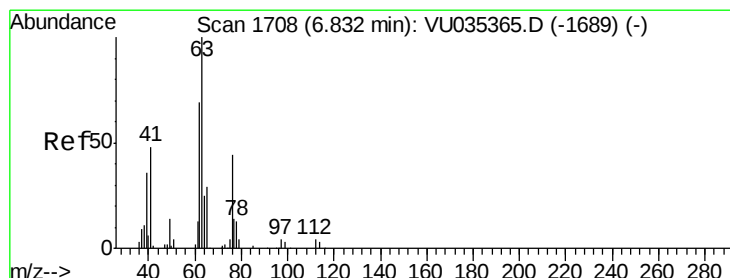
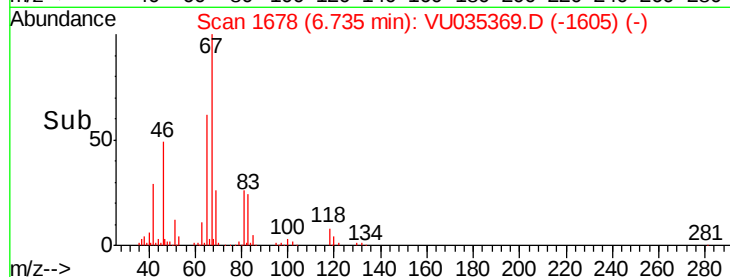
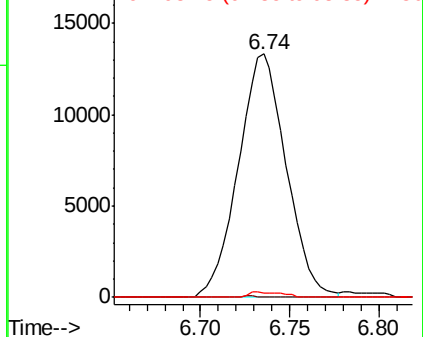
#35
Methvlcvclohexane
Concen: 0.733 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035369.D
Acq: 22 Oct 2019 17:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 25000
Ion Ratio Lower Upper
83 100
55 0.2 60.4 90.6#
98 1.5 39.5 59.3#

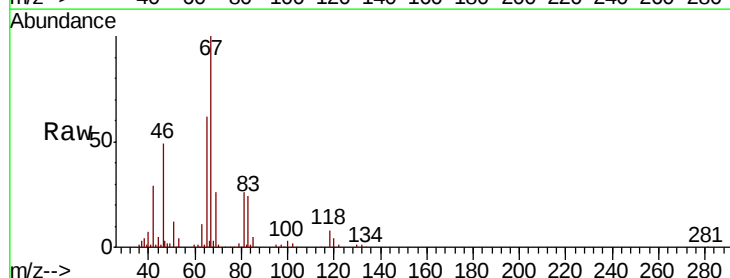


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

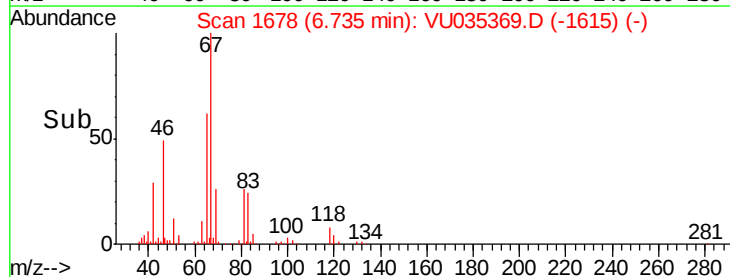
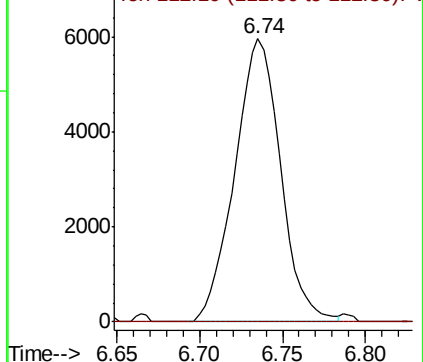


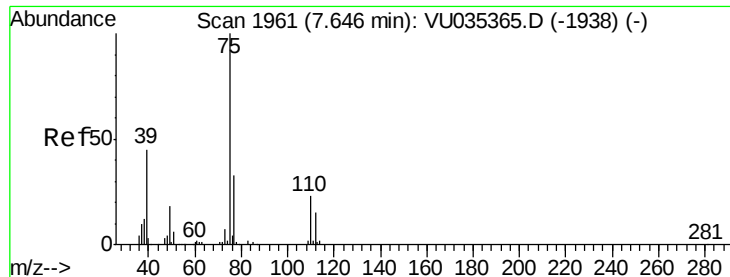
#37
1,2-Dichloropropane
Concen: 0.596 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035369.D
Acq: 22 Oct 2019 17:33

Tgt Ion: 63 Resp: 11484
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



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

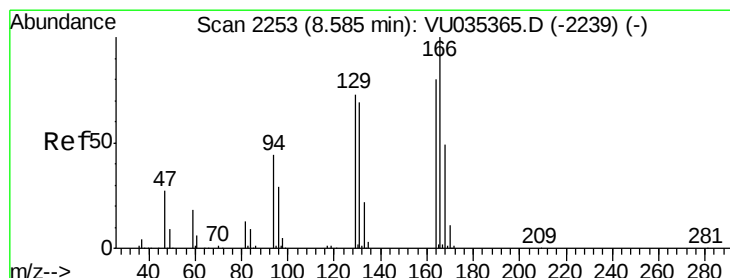
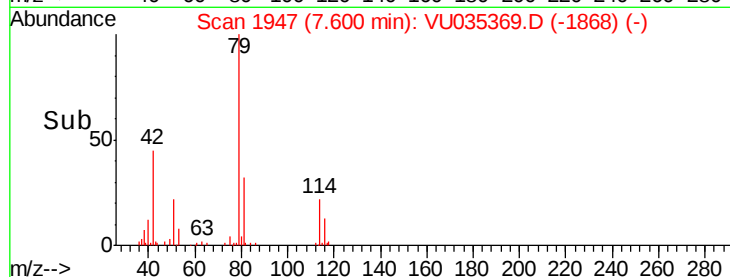
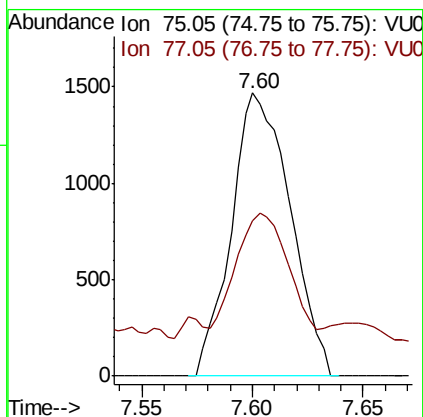
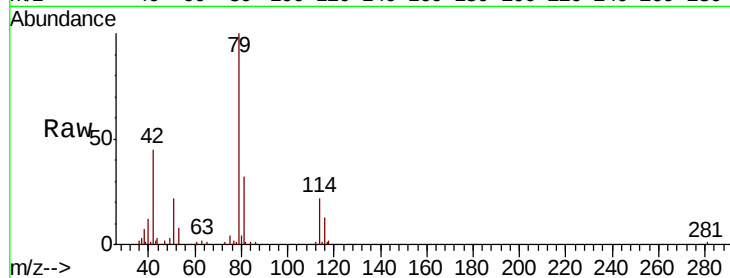




#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.05 min
 Lab File: VU035369.D
 Acq: 22 Oct 2019 17:33

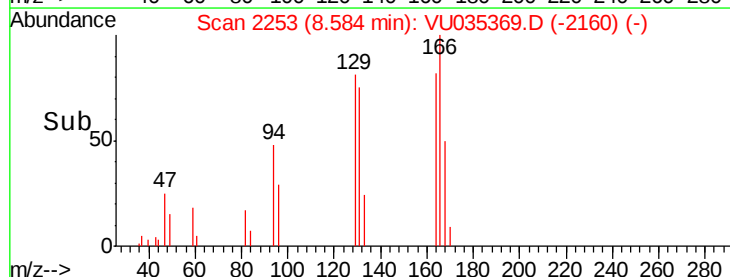
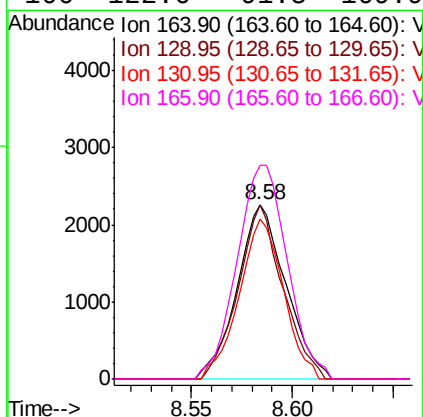
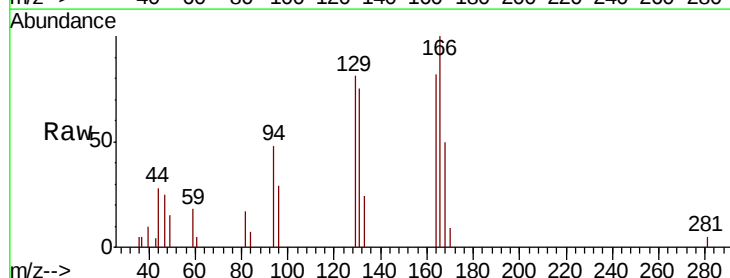
Instrument :
 MSVOA_U
 ClientSampleId :

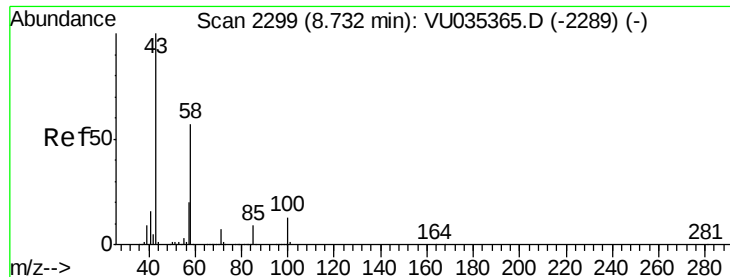
Tot Ion: 75 Resp: 2709
 Ion Ratio Lower Upper
 75 100
 77 55.0 22.7 42.1#



#47
 Tetrachloroethene
 Concen: 0.225 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035369.D
 Acq: 22 Oct 2019 17:33

Tgt Ion: 164 Resp: 3819
 Ion Ratio Lower Upper
 164 100
 129 99.6 65.2 121.0
 131 91.7 62.9 116.9
 166 122.6 91.5 169.9

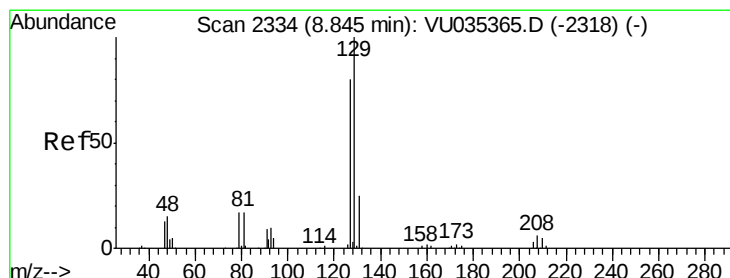
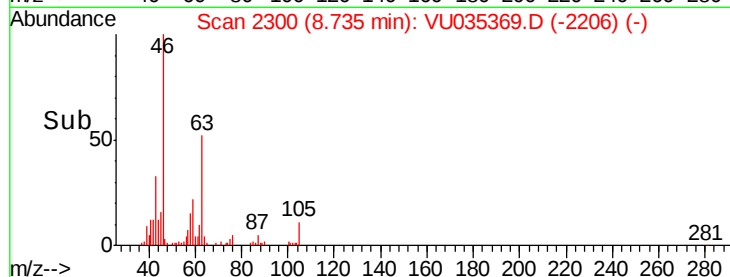
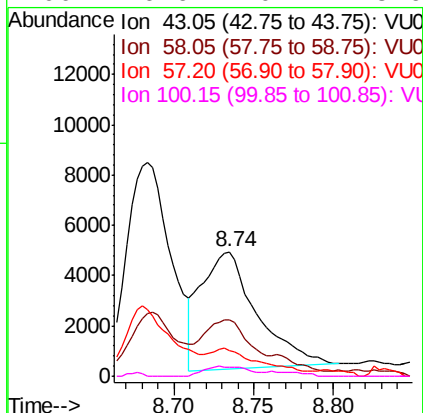
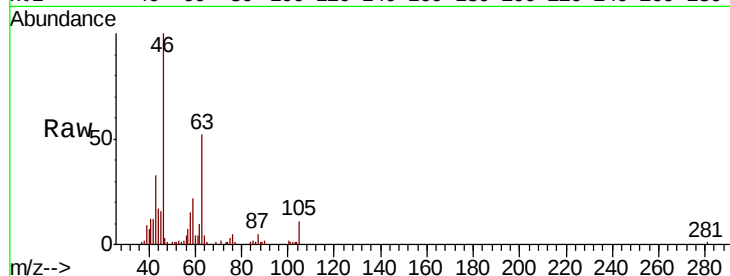




#48
2-Hexanone
Concen: 1.230 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VU035369.D
Acq: 22 Oct 2019 17:33

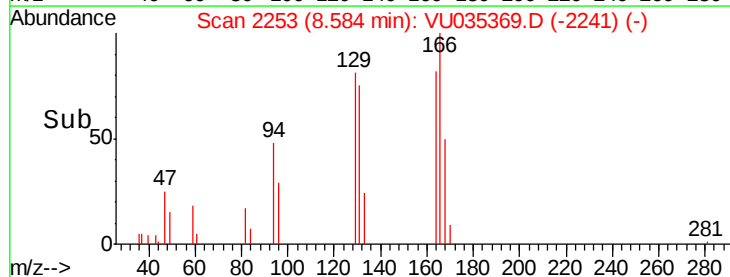
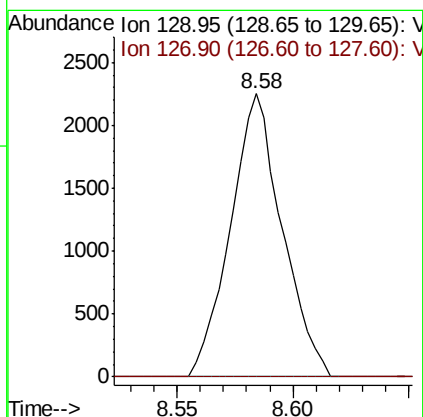
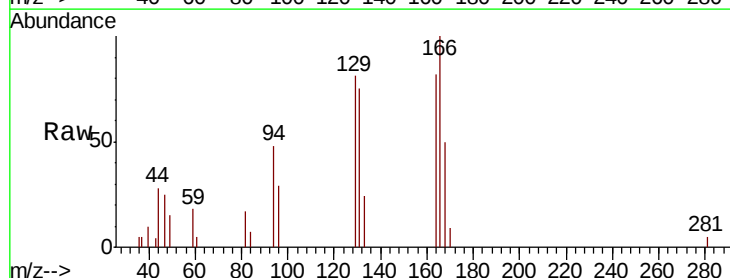
Instrument :
MSVOA_U
ClientSampled :

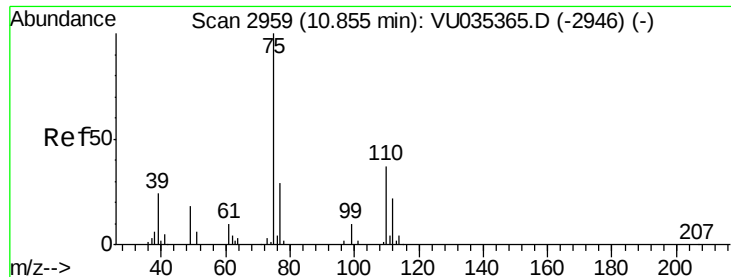
Tot Ion: 43 Resp: 11219
Ion Ratio Lower Upper
43 100
58 45.5 45.1 67.7
57 21.7 16.0 24.0
100 6.6 10.4 15.6#



#49
Dibromochloromethane
Concen: 0.192 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035369.D
Acq: 22 Oct 2019 17:33

Tgt Ion: 129 Resp: 3479
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#





#59

1,2,3-Trichloropropane

Concen: 0.823 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035369.D

Acq: 22 Oct 2019 17:33

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 11044

Ion Ratio Lower Upper

75 100

77 34.0 26.2 39.2

