

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036085.D
 Acq On : 10 Dec 2019 15:29
 Operator : JC/MD
 Sample : K6168-07DL2 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 06:31:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 06:27:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	324243	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	360978	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	125682	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	142521	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.93	69	130083	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.59	63	155655	2.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.80%#
20) 2-Butanone-d5	4.70	46	278448	56.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.08%
24) Chloroform-d	5.11	84	222909	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.75	65	115893	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.77	84	433619	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.73	67	138999	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.93	98	354661	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	8.21	79	48536	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.68	63	228338	54.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.90%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	125448	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	122607	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.60	96	5043	0.179 ug/L #	1
13) Acetone	2.68	43	27263	4.361 ug/L	100
16) Methylene chloride	3.08	84	8393	0.256 ug/L	94
19) 1,1-Dichloroethane	3.92	63	3560	0.082 ug/L	87
21) 2-Butanone	4.77	43	8504	1.359 ug/L	94
22) cis-1,2-Dichloroethene	4.72	96	18491	0.732 ug/L	95
25) Chloroform	5.13	83	8771	0.182 ug/L	89
34) Trichloroethene	6.58	95	86347	3.296 ug/L	98
35) Methylcyclohexane	6.74	83	32075	0.913 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	14811	0.598 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	3661	0.109 ug/L #	45
47) Tetrachloroethene	8.58	164	131099	5.264 ug/L	99
48) 2-Hexanone	8.68	43	25578	2.758 ug/L #	65
49) Dibromochloromethane	8.58	129	114086	4.411 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	13303	0.752 ug/L	89

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 11 06:27:41 2019
Response via : Initial Calibration

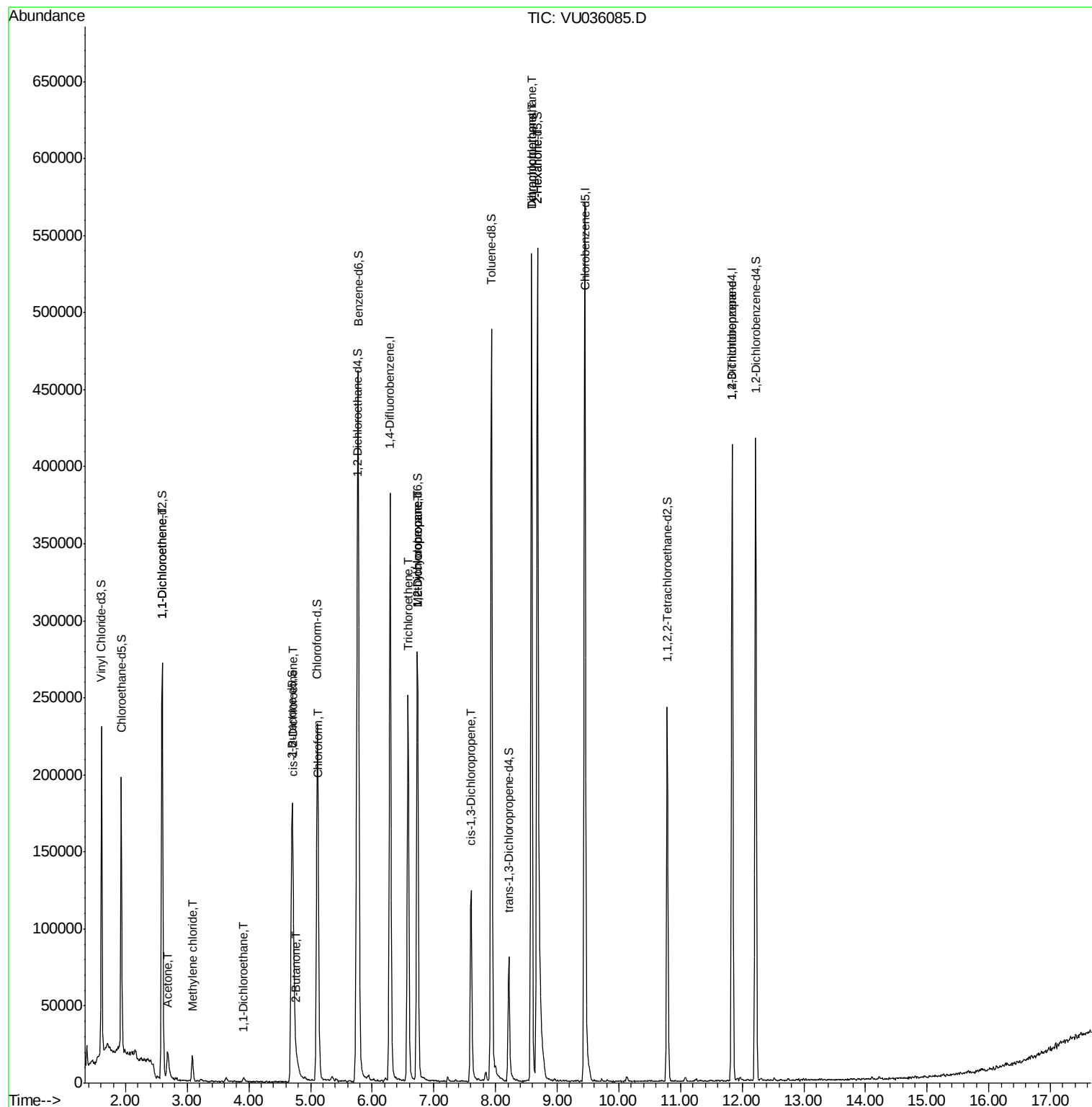
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

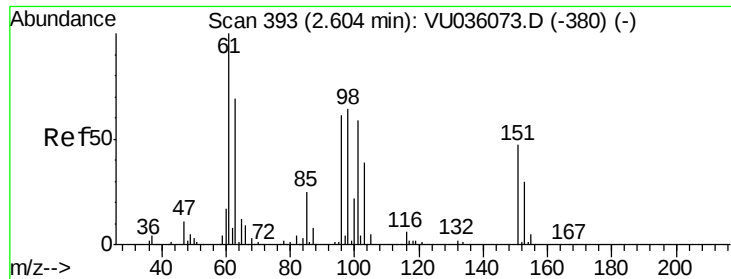
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#12

1,1-Dichloroethene

Concen: 0.179 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036085.D

Acq: 10 Dec 2019 15:29

Instrument :
MSVOA_U
ClientSampled :

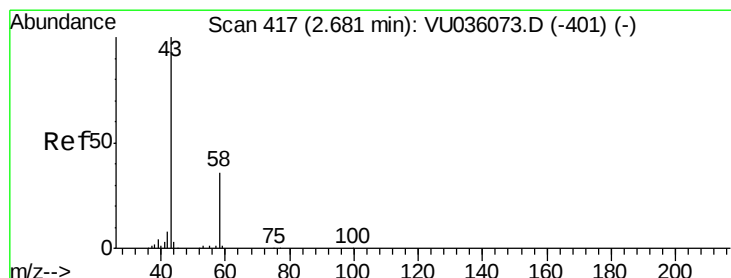
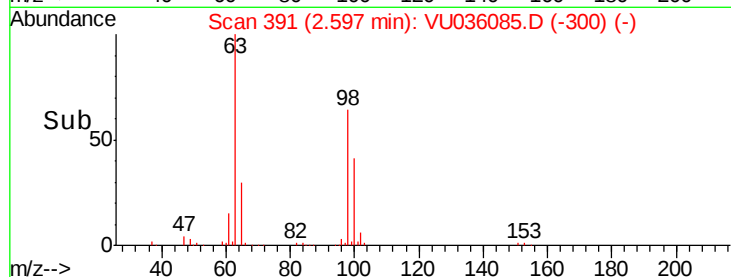
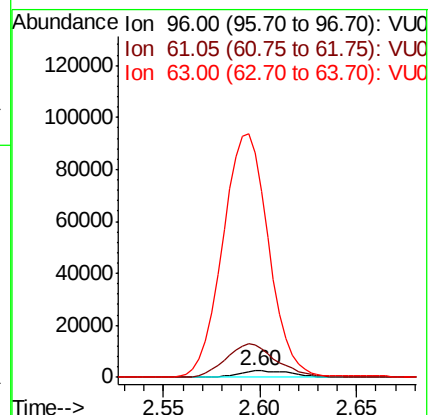
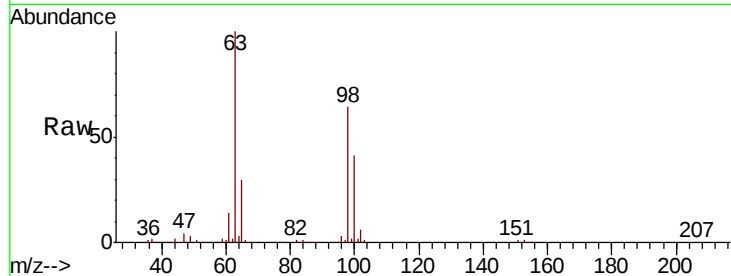
Tot Ion: 96 Resp: 5043

Ion Ratio Lower Upper

96 100

61 486.1 104.3 193.7#

63 3359.2 65.6 121.8#



#13

Acetone

Concen: 4.361 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU036085.D

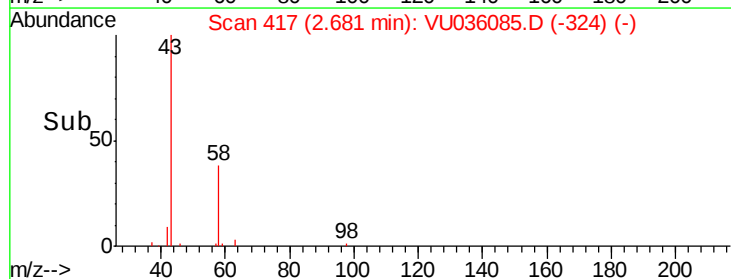
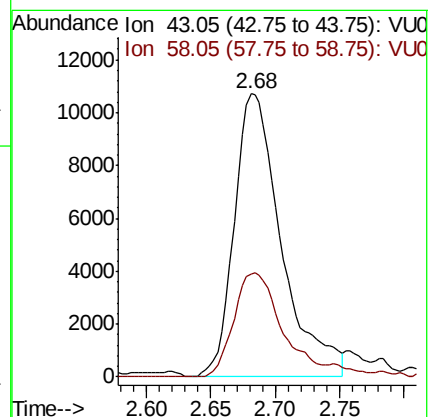
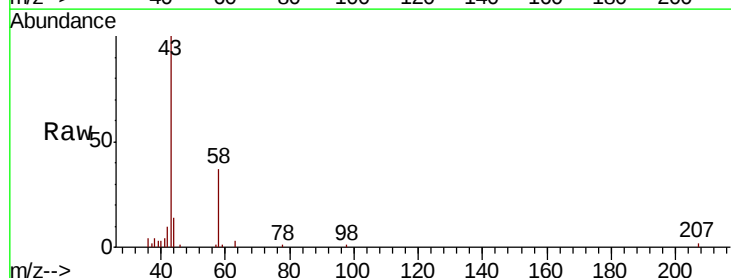
Acq: 10 Dec 2019 15:29

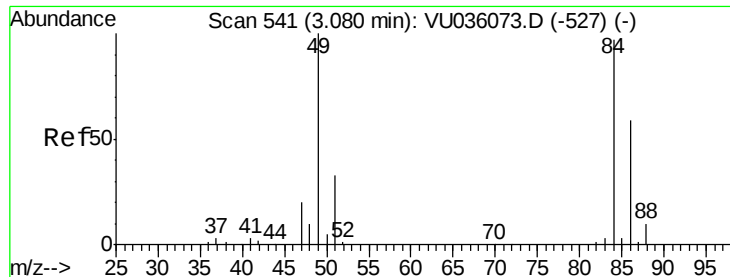
Tgt Ion: 43 Resp: 27263

Ion Ratio Lower Upper

43 100

58 37.4 0.0 74.2

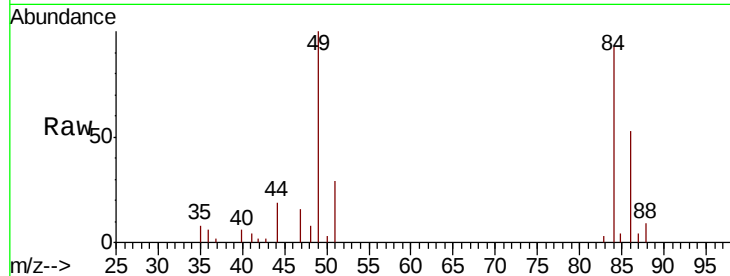




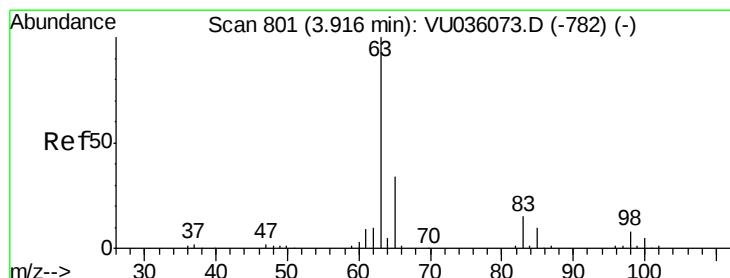
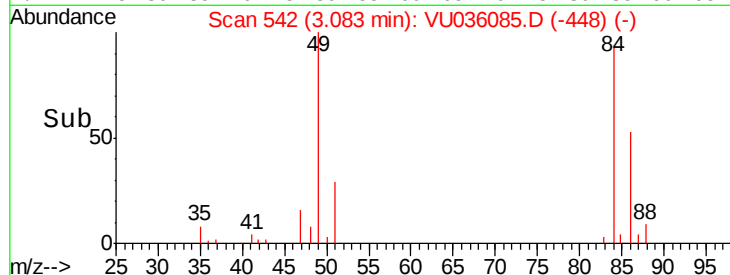
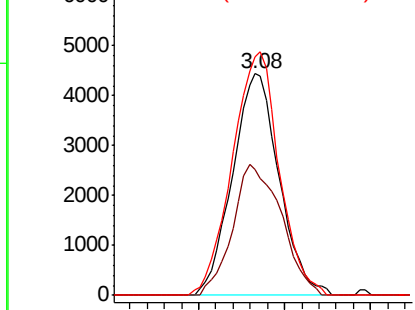
#16
Methvlene chloride
Concen: 0.256 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036085.D
Acq: 10 Dec 2019 15:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 8393
Ion Ratio Lower Upper
84 100
86 56.8 47.5 88.3
49 107.9 76.9 142.9

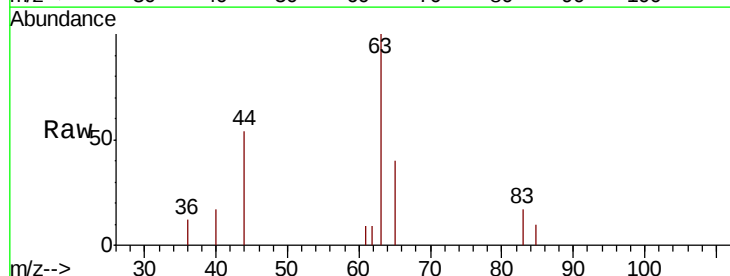


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

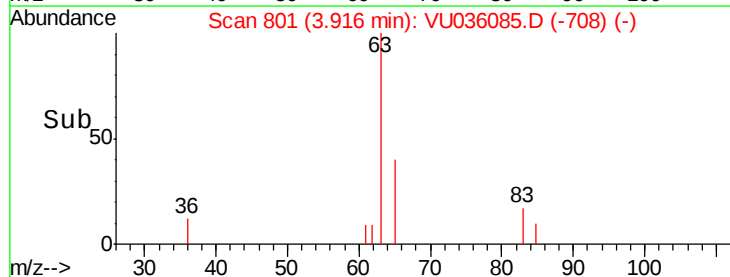
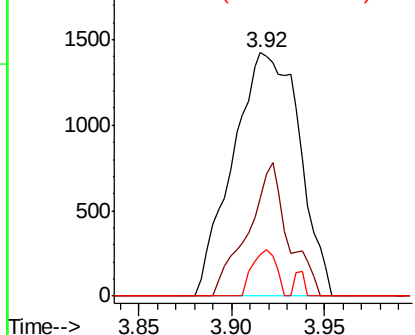


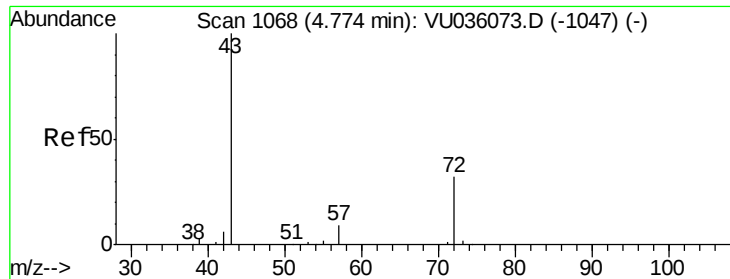
#19
1,1-Dichloroethane
Concen: 0.082 ug/L
RT: 3.92 min Scan# 801
Delta R.T. 0.00 min
Lab File: VU036085.D
Acq: 10 Dec 2019 15:29

Tgt Ion: 63 Resp: 3560
Ion Ratio Lower Upper
63 100
65 39.9 21.8 40.4
83 16.8 10.1 18.9



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





#21

2-Butanone

Concen: 1.359 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU036085.D

Acq: 10 Dec 2019 15:29

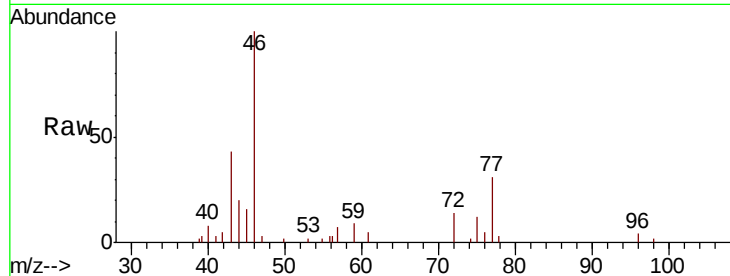
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 8504

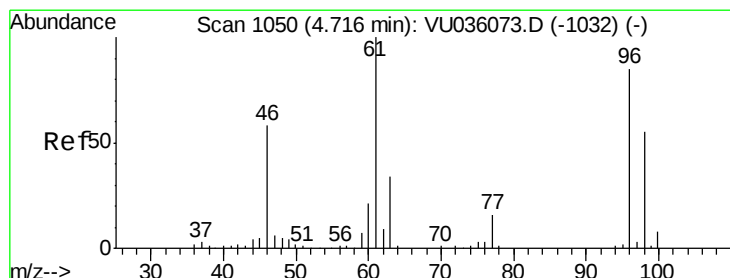
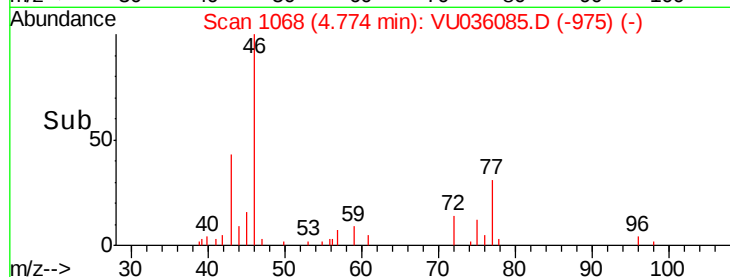
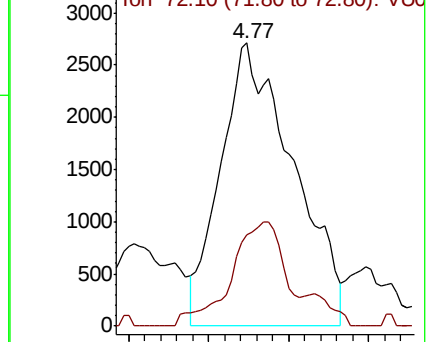
Ion Ratio Lower Upper

43 100

72 26.6 15.0 45.0



Abundance Ion 43.05 (42.75 to 43.75): VU036073.D (-1047) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.732 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036085.D

Acq: 10 Dec 2019 15:29

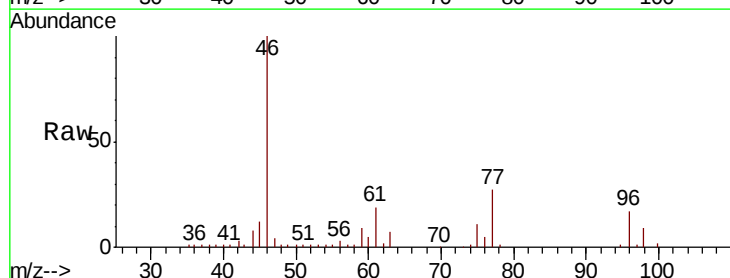
Tgt Ion: 96 Resp: 18491

Ion Ratio Lower Upper

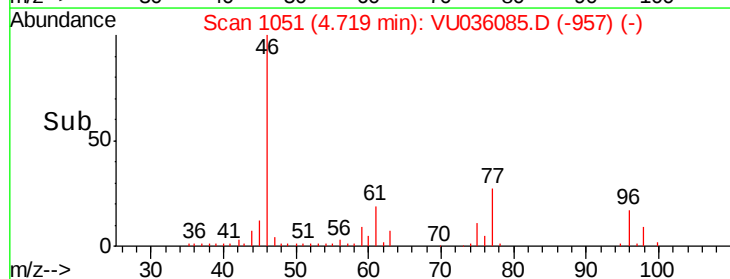
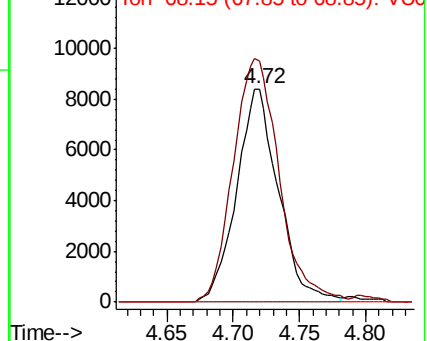
96 100

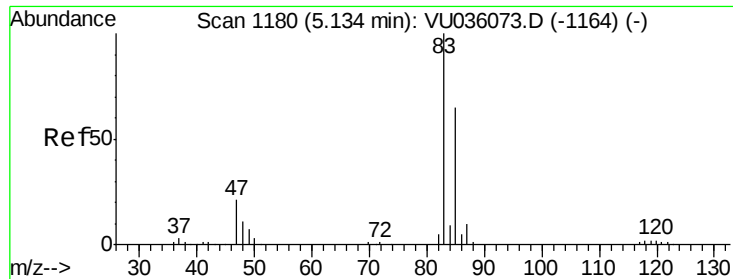
61 112.8 83.0 154.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036073.D (-1032) (-)

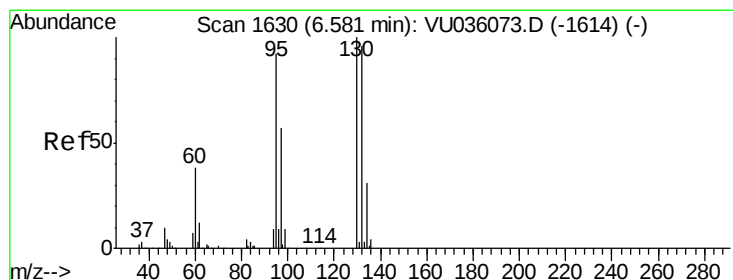
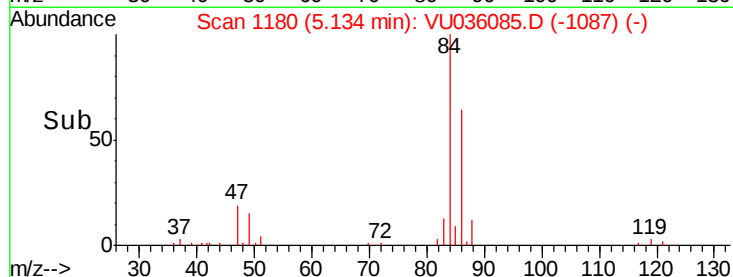
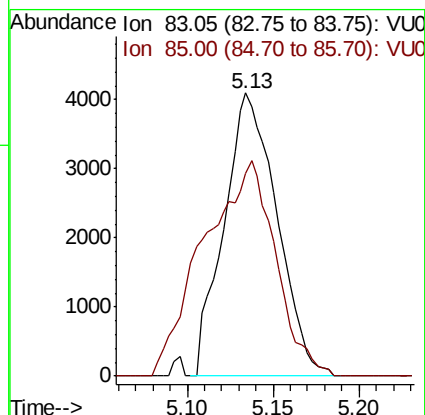
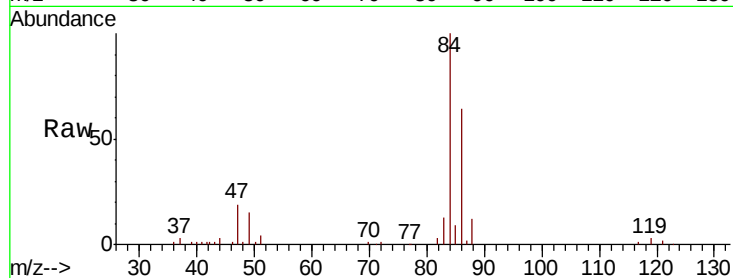




#25
Chloroform
Concen: 0.182 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036085.D
Acq: 10 Dec 2019 15:29

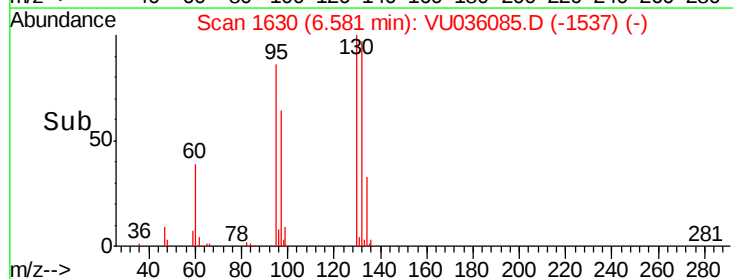
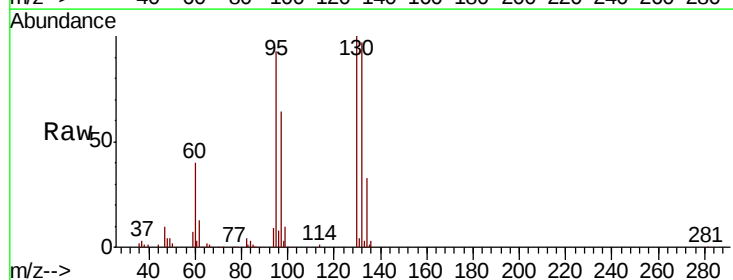
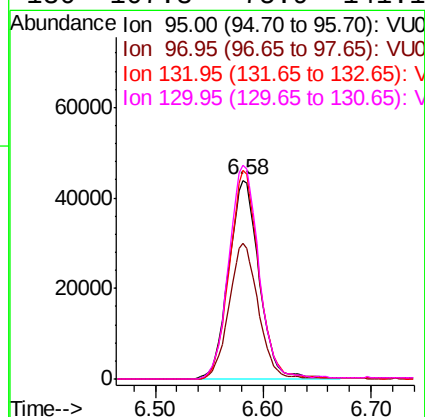
Instrument :
MSVOA_U
ClientSampleId :

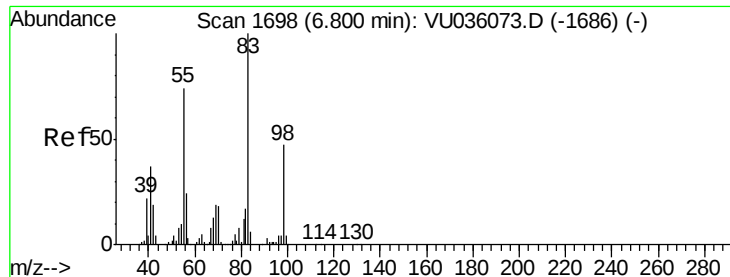
Tot Ion: 83 Resp: 8771
Ion Ratio Lower Upper
83 100
85 71.5 43.9 81.5



#34
Trichloroethene
Concen: 3.296 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036085.D
Acq: 10 Dec 2019 15:29

Tgt Ion: 95 Resp: 86347
Ion Ratio Lower Upper
95 100
97 68.4 44.4 82.4
132 104.6 73.4 136.4
130 107.3 75.9 141.1

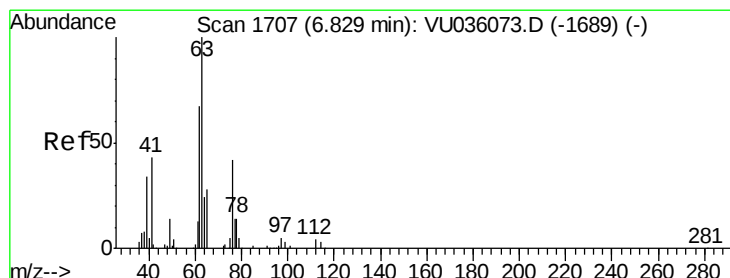
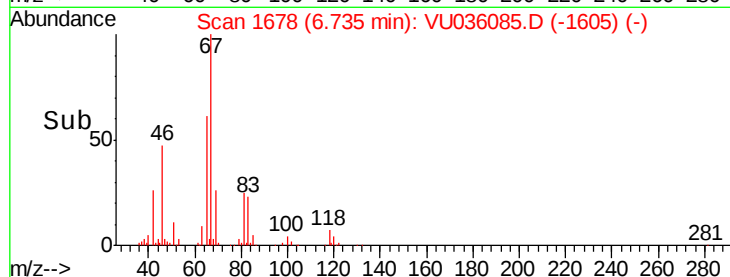
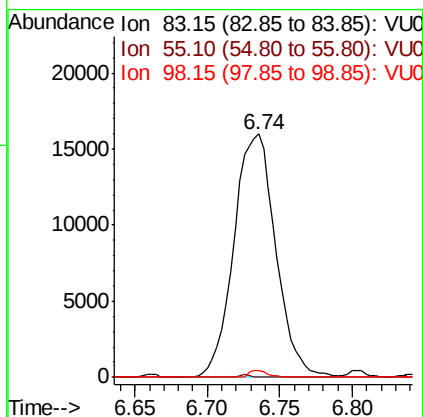
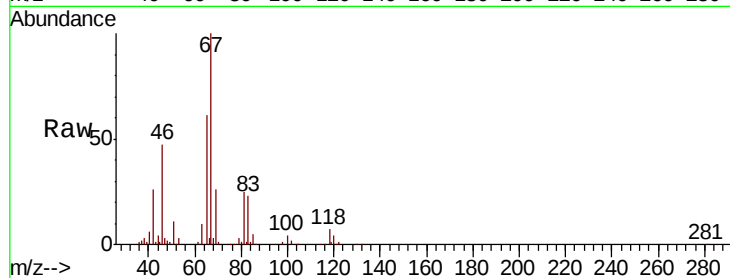




#35
Methvlcvclohexane
Concen: 0.913 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU036085.D
Acq: 10 Dec 2019 15:29

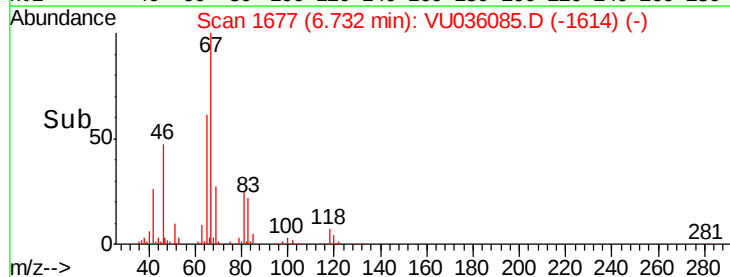
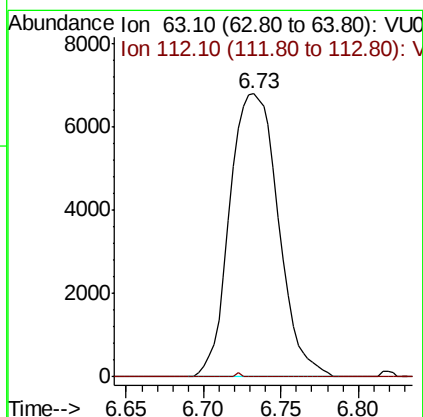
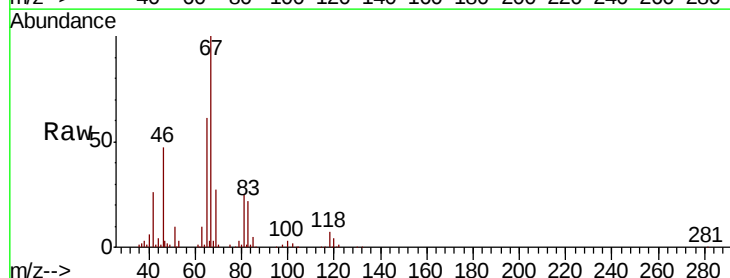
Instrument :
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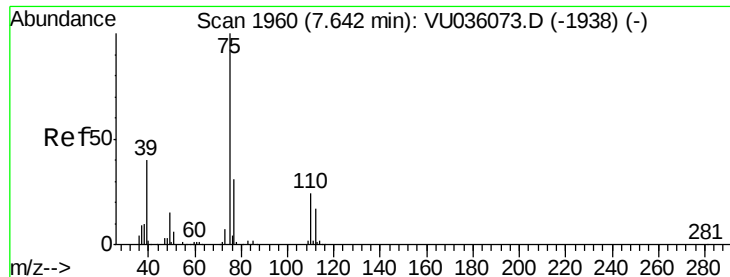
Tot Ion: 83 Resp: 32075
Ion Ratio Lower Upper
83 100
55 0.2 62.1 93.1#
98 1.2 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU036085.D
Acq: 10 Dec 2019 15:29

Tgt Ion: 63 Resp: 14811
Ion Ratio Lower Upper
63 100
112 0.1 3.8 5.8#

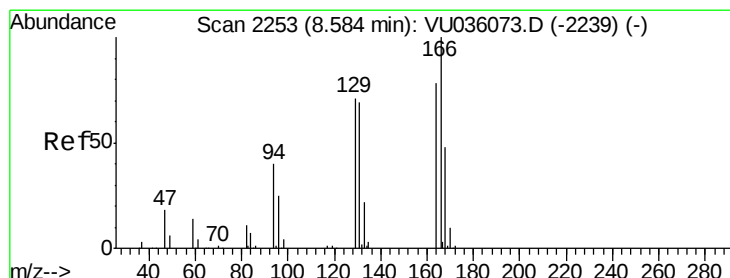
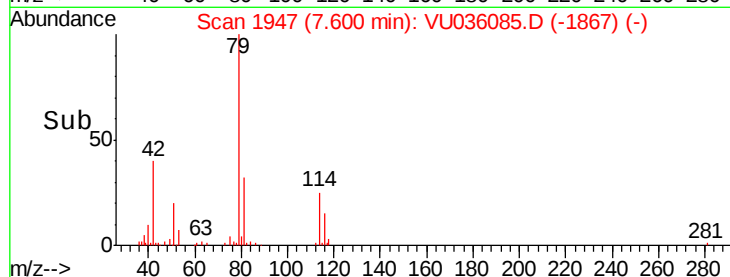
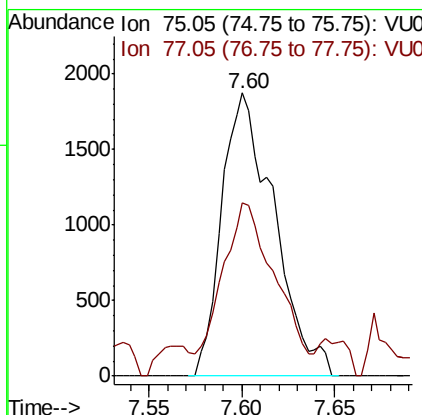
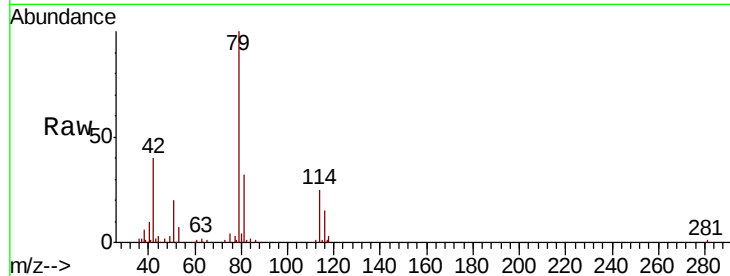




#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036085.D
 Acq: 10 Dec 2019 15:29

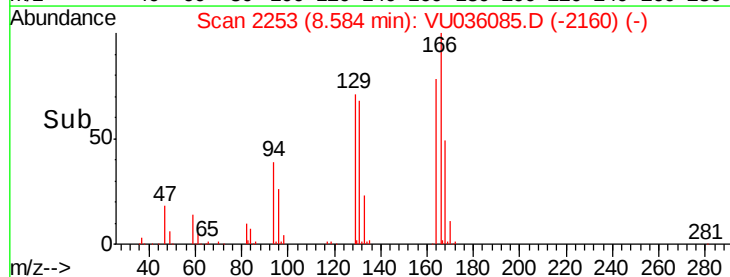
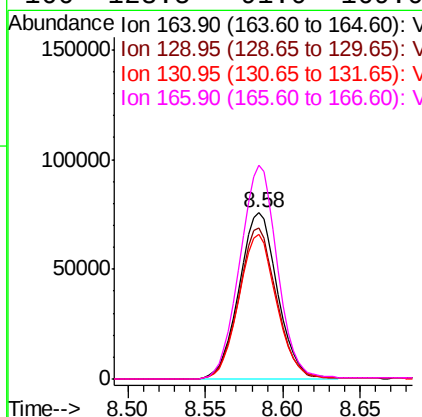
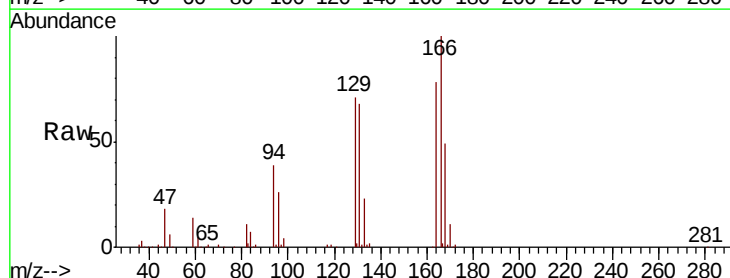
Instrument :
 MSVOA_U
 ClientSampleId :

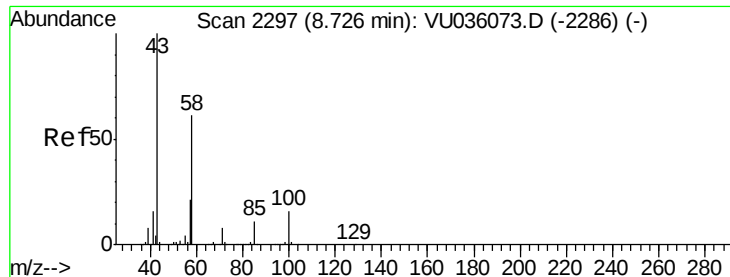
Tot Ion: 75 Resp: 3661
 Ion Ratio Lower Upper
 75 100
 77 61.3 21.7 40.3#



#47
 Tetrachloroethene
 Concen: 5.264 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036085.D
 Acq: 10 Dec 2019 15:29

Tgt Ion: 164 Resp: 131099
 Ion Ratio Lower Upper
 164 100
 129 90.9 63.1 117.3
 131 86.8 61.5 114.1
 166 128.5 91.0 169.0

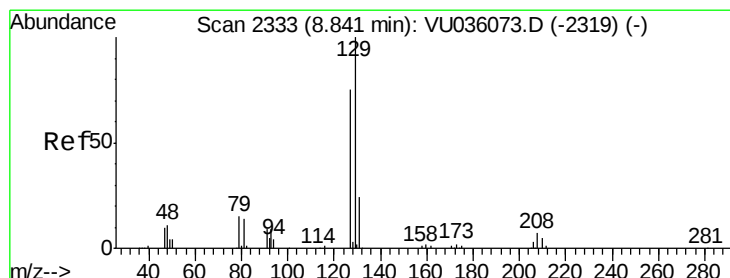
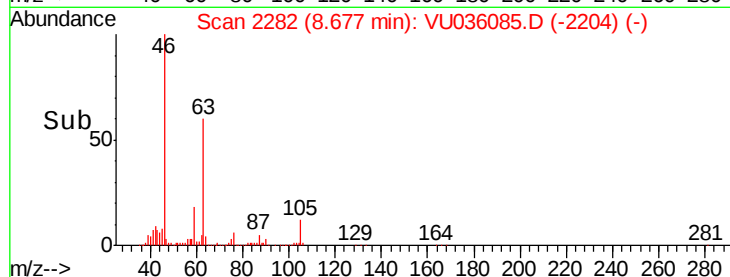
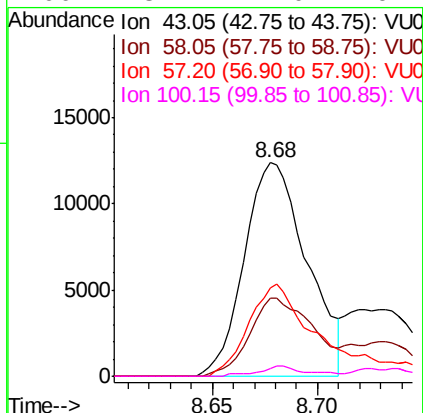
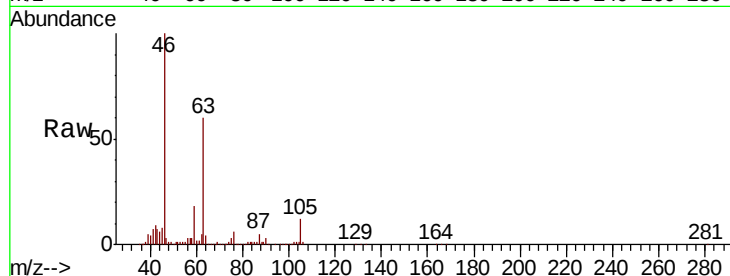




#48
2-Hexanone
Concen: 2.758 ug/L
RT: 8.68 min Scan# 2282
Delta R.T. -0.05 min
Lab File: VU036085.D
Acq: 10 Dec 2019 15:29

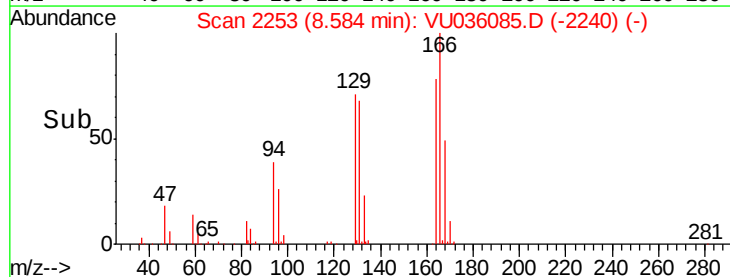
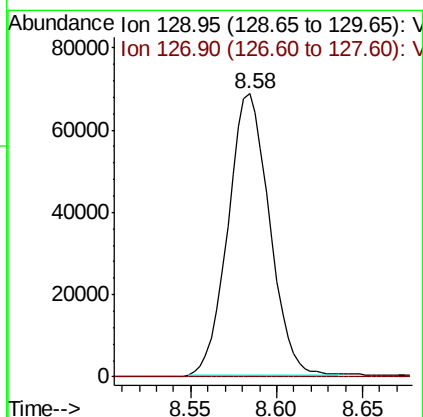
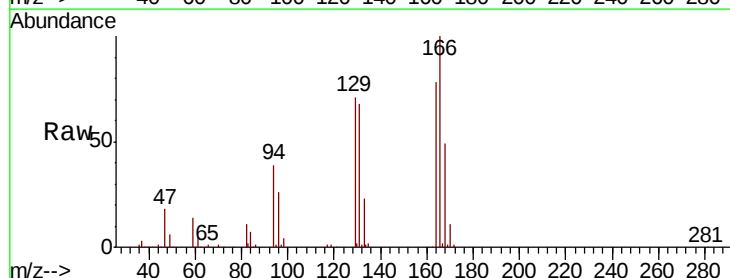
Instrument :
MSVOA_U
ClientSampleId :

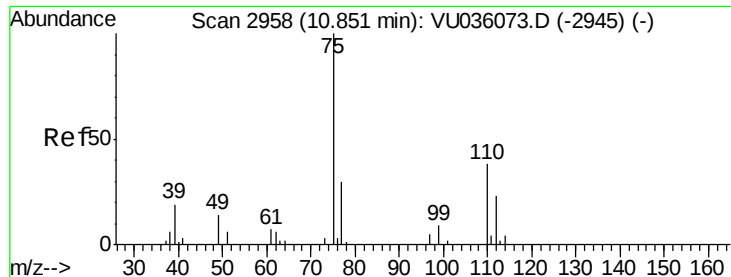
Tot Ion: 43 Resp: 25578
Ion Ratio Lower Upper
43 100
58 37.4 46.9 70.3#
57 49.5 16.4 24.6#
100 3.7 11.0 16.4#



#49
Dibromochloromethane
Concen: 4.411 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU036085.D
Acq: 10 Dec 2019 15:29

Tgt Ion: 129 Resp: 114086
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#





#59

1,2,3-Trichloropropane

Concen: 0.752 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036085.D

Acq: 10 Dec 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 13303

Ion Ratio Lower Upper

75 100

77 39.7 26.7 40.1

