

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121719\
 Data File : VU036251.D
 Acq On : 17 Dec 2019 12:06
 Operator : JC/MD
 Sample : K6234-12DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 01:26:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 18 01:23:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	227934	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	254256	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	76000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	80969	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.93	69	82371	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.59	63	91627	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.68	46	183766	48.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.74%
24) Chloroform-d	5.11	84	121810	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.40%
26) 1,2-Dichloroethane-d4	5.75	65	84364	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.77	84	279099	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.73	67	93338	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.93	98	225928	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.20%
43) trans-1,3-Dichloropropene-	8.21	79	35795	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.69	63	138444	43.70	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.40%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	85116	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	74821	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	4851	0.287	ug/L #	1
13) Acetone	2.67	43	7172	2.188	ug/L	99
16) Methylene chloride	3.08	84	10990	0.442	ug/L	95
19) 1,1-Dichloroethane	3.92	63	3354	0.103	ug/L #	81
22) cis-1,2-Dichloroethene	4.72	96	12644	0.666	ug/L	96
25) Chloroform	5.14	83	37533	1.061	ug/L	98
29) 1,1,1-Trichloroethane	5.37	97	2640	0.084	ug/L #	76
34) Trichloroethene	6.58	95	67038	3.328	ug/L	99
35) Methylcyclohexane	6.73	83	22105	0.772	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	10073	0.505	ug/L #	88
39) cis-1,3-Dichloropropene	7.61	75	2465	0.091	ug/L #	58
47) Tetrachloroethene	8.58	164	116335	6.394	ug/L	97
48) 2-Hexanone	8.73	43	7941	1.020	ug/L #	78
49) Dibromochloromethane	8.58	129	101687	5.508	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8899	0.672	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 18 01:23:38 2019
Response via : Initial Calibration

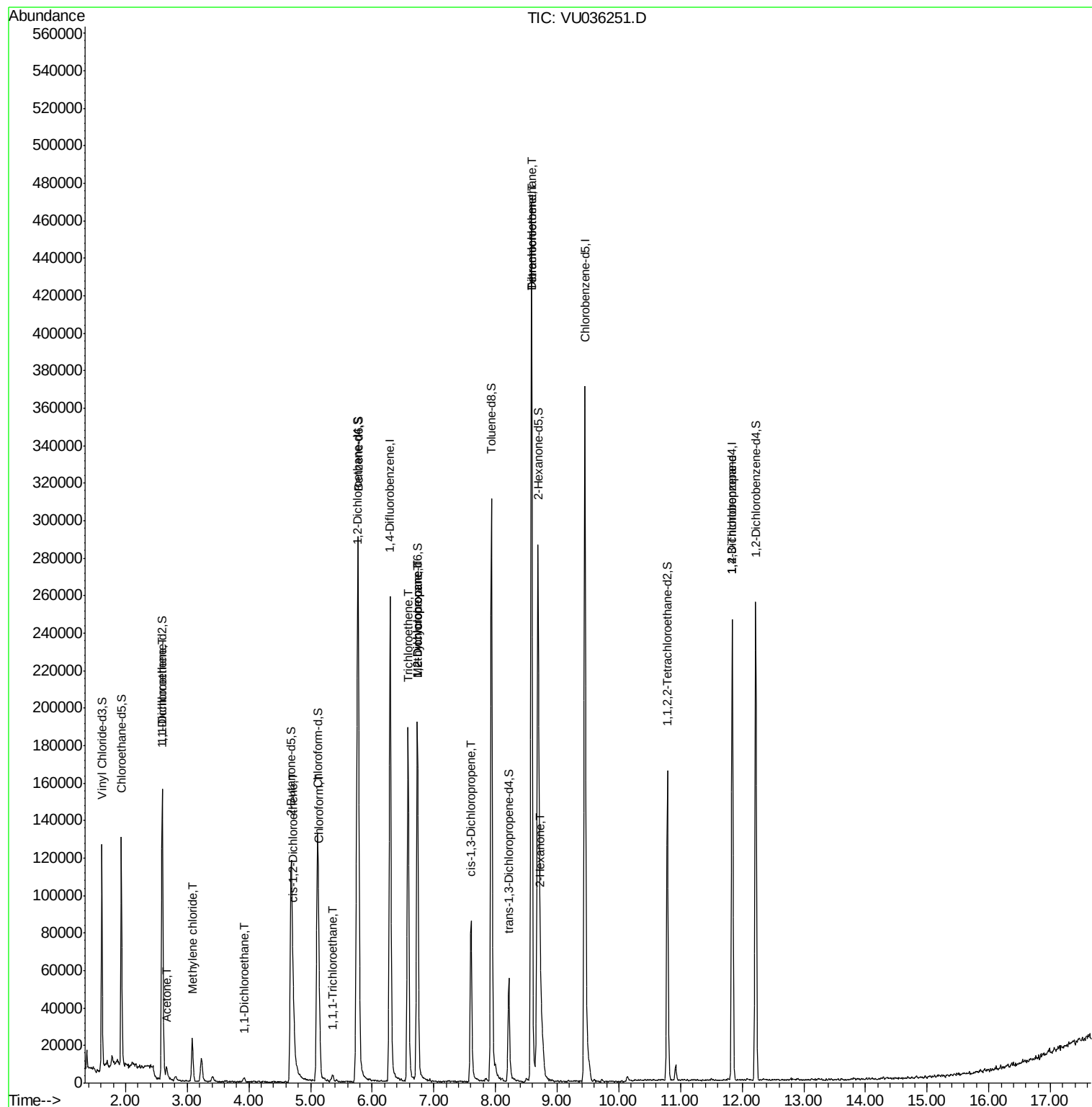
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

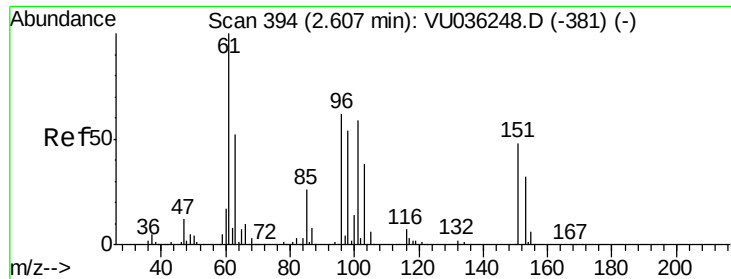
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121719\
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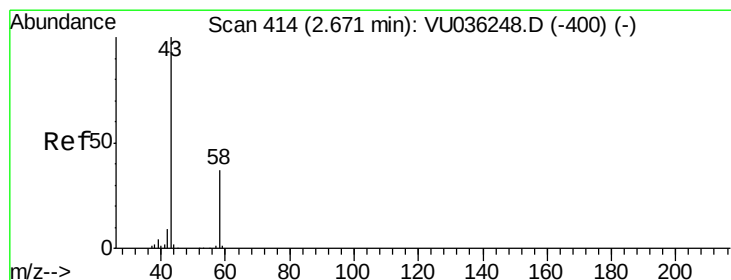
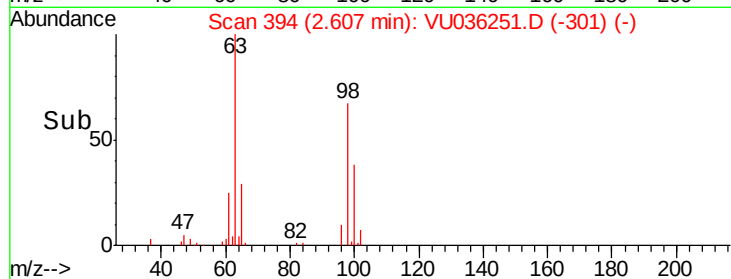
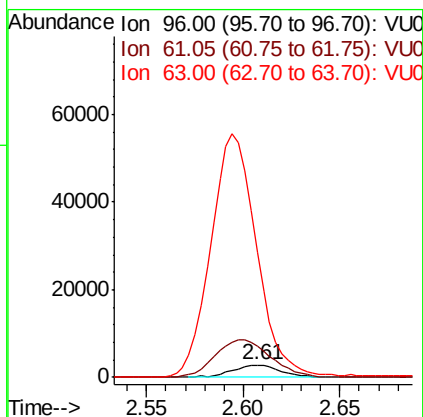
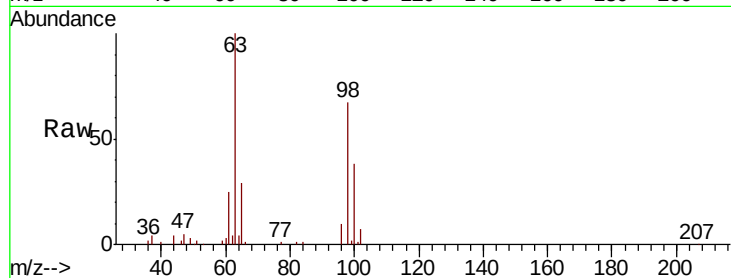




#12
 1,1-Dichloroethene
 Concen: 0.287 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU036251.D
 Acq: 17 Dec 2019 12:06

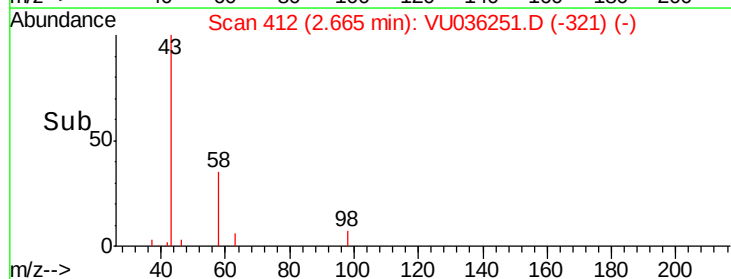
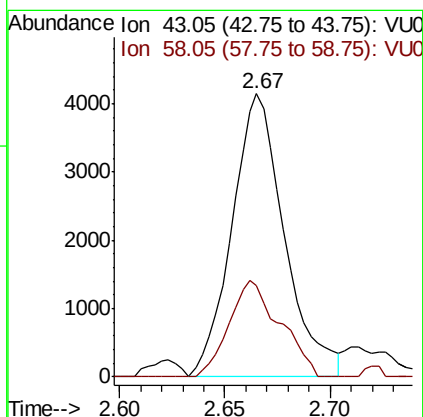
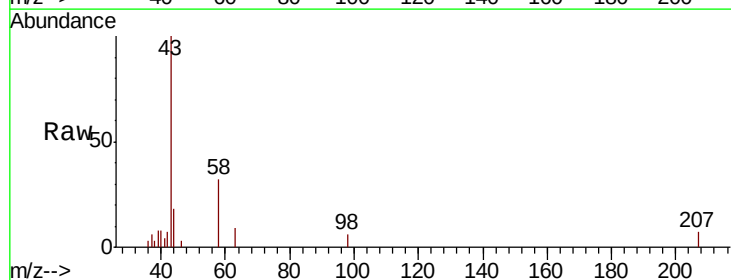
Instrument :
 MSVOA_U
 ClientSampled :

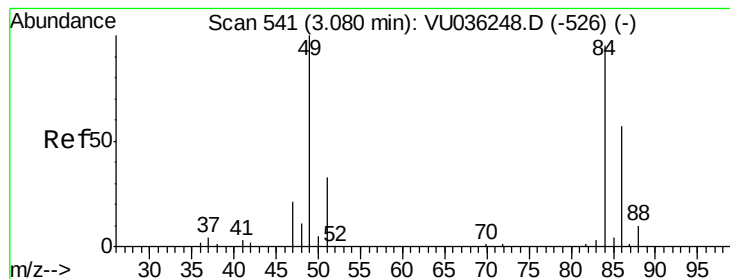
Tot Ion: 96 Resp: 4851
 Ion Ratio Lower Upper
 96 100
 61 263.8 114.0 211.8#
 63 1042.3 63.6 118.0#



#13
 Acetone
 Concen: 2.188 ug/L
 RT: 2.67 min Scan# 412
 Delta R.T. -0.01 min
 Lab File: VU036251.D
 Acq: 17 Dec 2019 12:06

Tgt Ion: 43 Resp: 7172
 Ion Ratio Lower Upper
 43 100
 58 33.0 0.0 67.6





#16

Methylene chloride

Concen: 0.442 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036251.D

Acq: 17 Dec 2019 12:06

Instrument :

MSVOA_U

ClientSampleId :

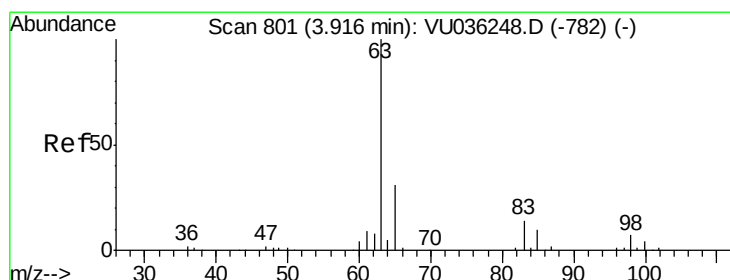
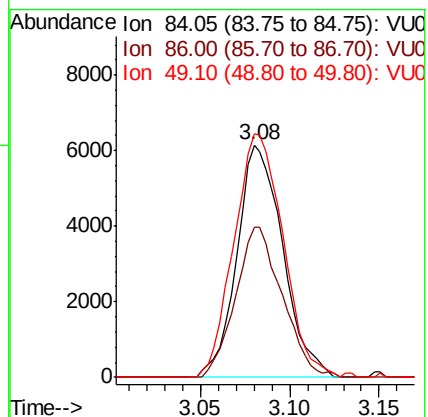
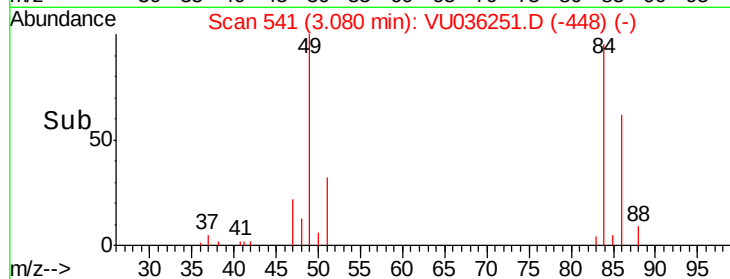
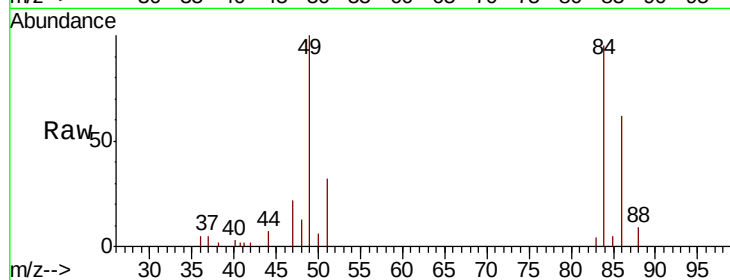
Tot Ion: 84 Resp: 10990

Ion Ratio Lower Upper

84 100

86 64.5 43.0 79.8

49 104.8 77.3 143.5



#19

1,1-Dichloroethane

Concen: 0.103 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU036251.D

Acq: 17 Dec 2019 12:06

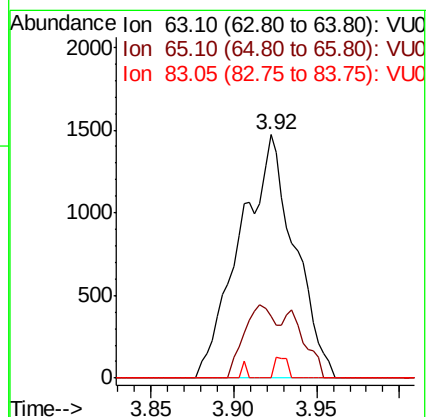
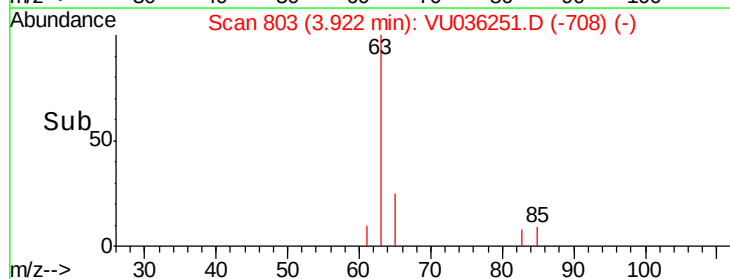
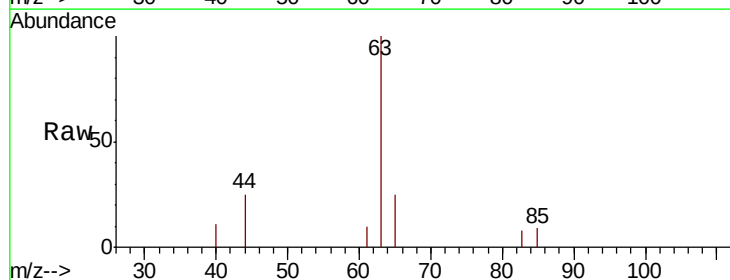
Tgt Ion: 63 Resp: 3354

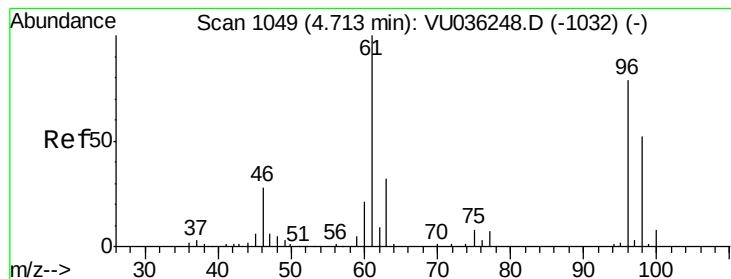
Ion Ratio Lower Upper

63 100

65 25.3 22.6 42.0

83 0.0 9.7 18.1#





#22

cis-1,2-Dichloroethene

Concen: 0.666 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU036251.D

Acq: 17 Dec 2019 12:06

Instrument :

MSVOA_U

ClientSampled :

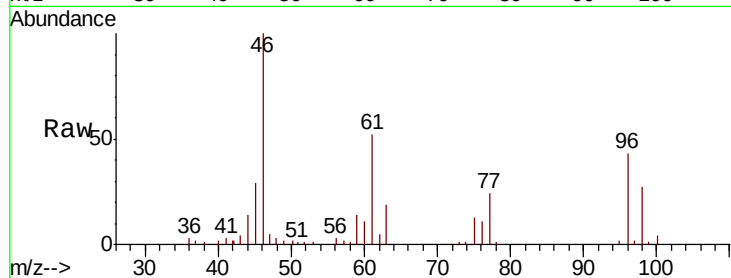
Tot Ion: 96 Resp: 12644

Ion Ratio Lower Upper

96 100

61 119.6 86.7 161.1

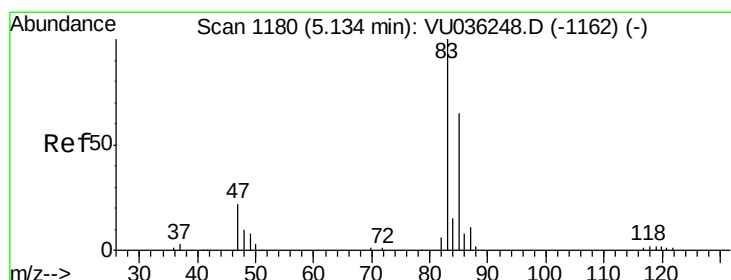
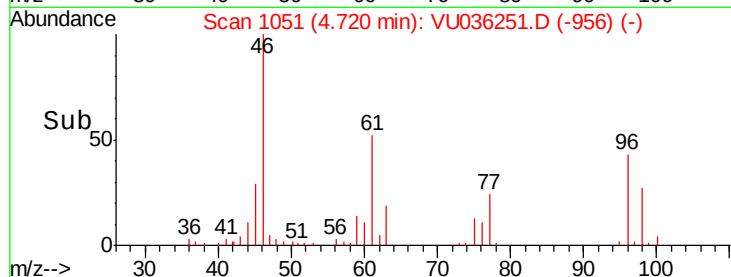
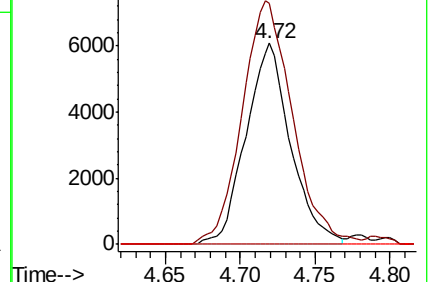
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036248.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU036248.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU036248.D (-1032) (-)



#25

Chloroform

Concen: 1.061 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036251.D

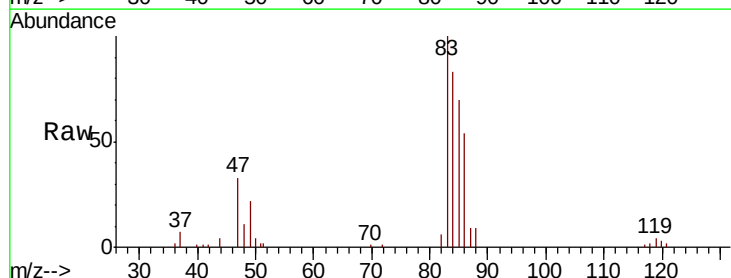
Acq: 17 Dec 2019 12:06

Tgt Ion: 83 Resp: 37533

Ion Ratio Lower Upper

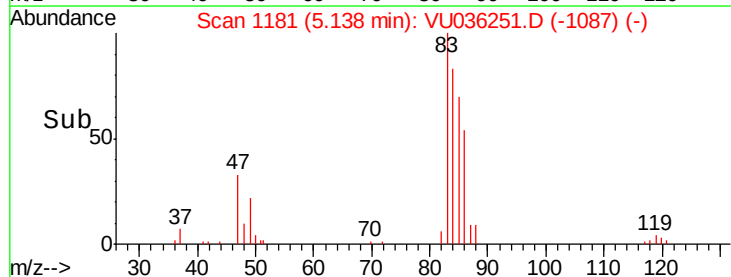
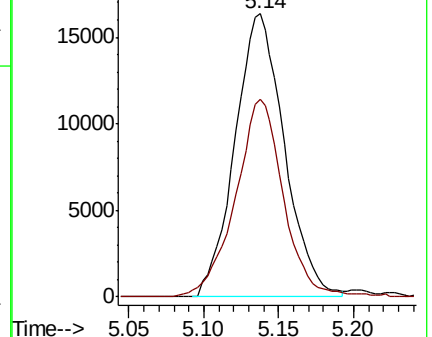
83 100

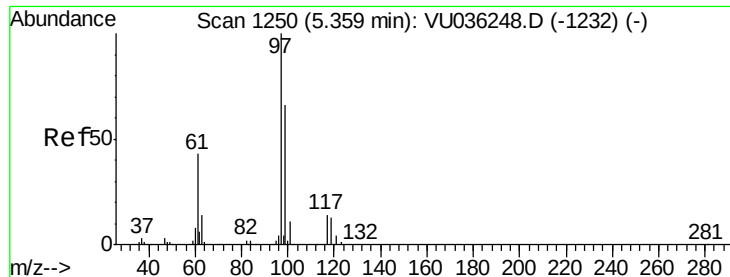
85 69.8 47.5 88.1



Abundance Ion 83.05 (82.75 to 83.75): VU036248.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU036248.D (-1162) (-)

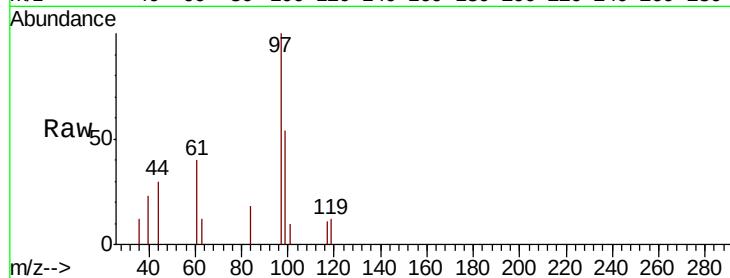




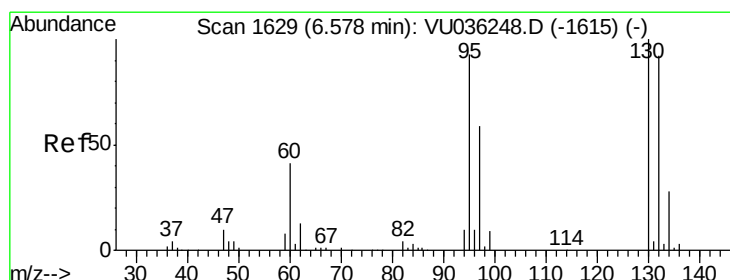
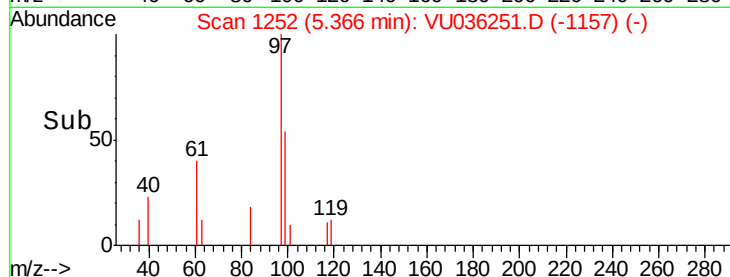
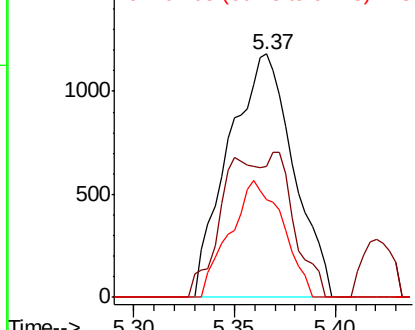
#29
1,1,1-Trichloroethane
Concen: 0.084 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VU036251.D
Acq: 17 Dec 2019 12:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 2640
Ion Ratio Lower Upper
97 100
99 36.3 51.4 77.2#
61 39.4 35.0 52.6

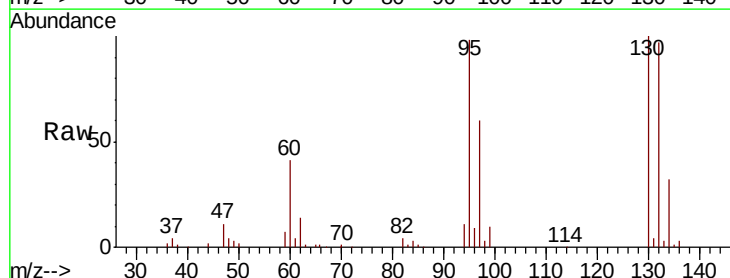


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

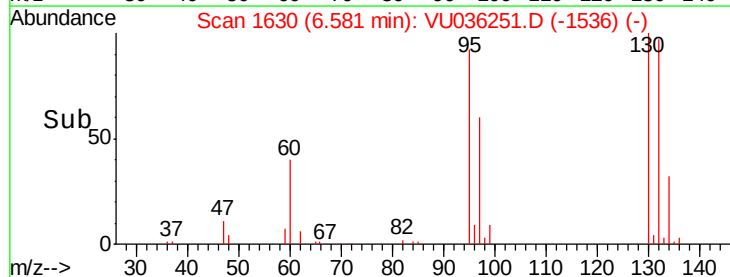
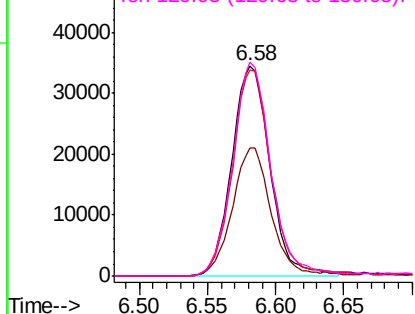


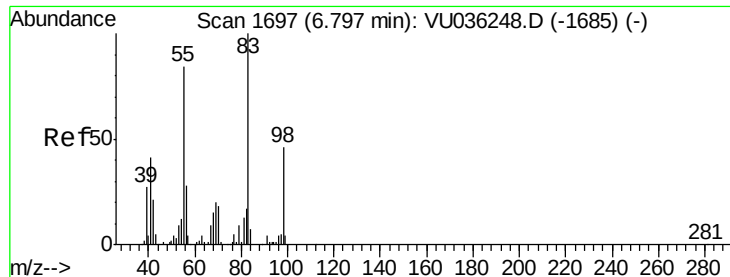
#34
Trichloroethene
Concen: 3.328 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036251.D
Acq: 17 Dec 2019 12:06

Tgt Ion: 95 Resp: 67038
Ion Ratio Lower Upper
95 100
97 61.2 43.6 81.0
132 98.4 69.6 129.2
130 101.7 70.3 130.7



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V

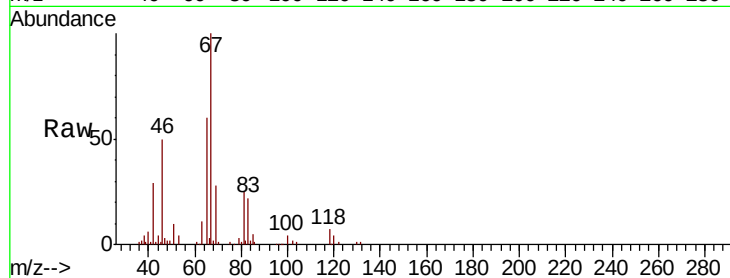




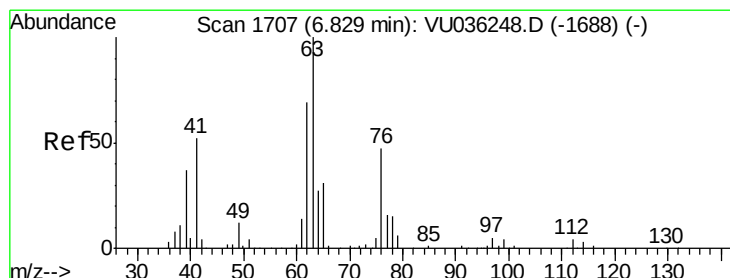
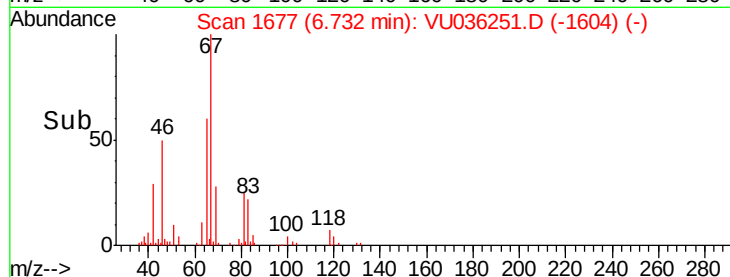
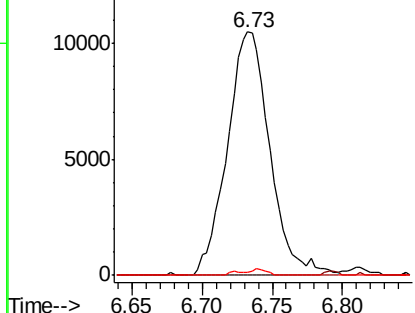
#35
Methylvlcyclohexane
Concen: 0.772 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.06 min
Lab File: VU036251.D
Acq: 17 Dec 2019 12:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 22105
Ion Ratio Lower Upper
83 100
55 0.5 62.6 94.0#
98 1.0 36.2 54.2#

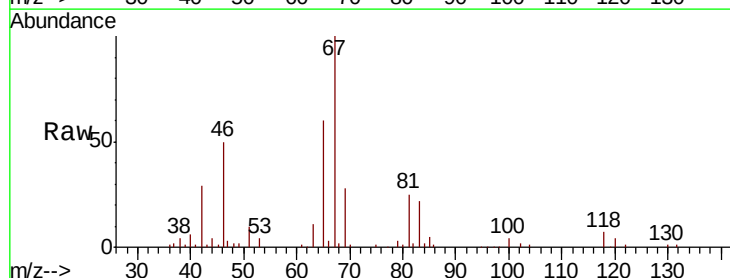


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

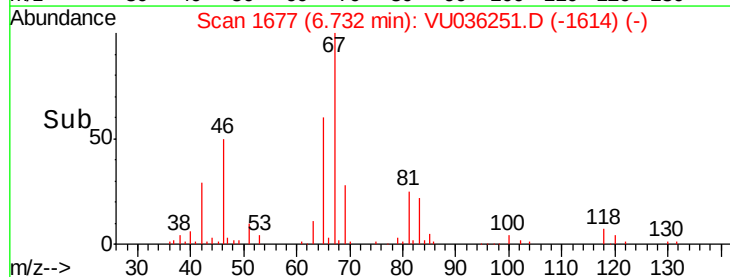
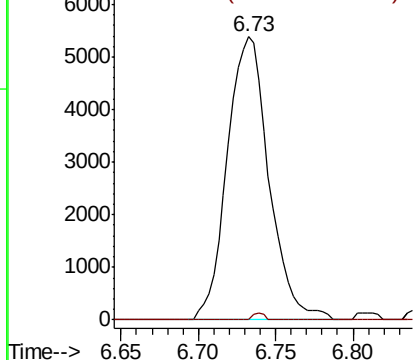


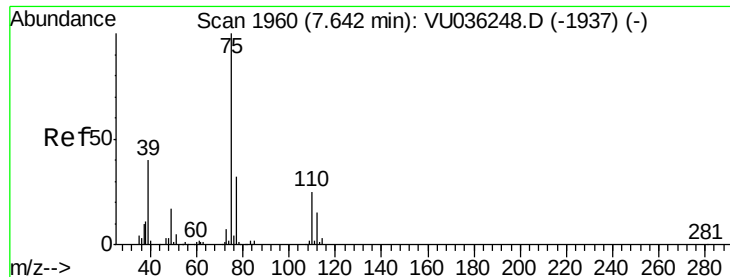
#37
1,2-Dichloropropane
Concen: 0.505 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU036251.D
Acq: 17 Dec 2019 12:06

Tgt Ion: 63 Resp: 10073
Ion Ratio Lower Upper
63 100
112 0.7 3.8 5.8#



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: 0.091 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU036251.D

Acq: 17 Dec 2019 12:06

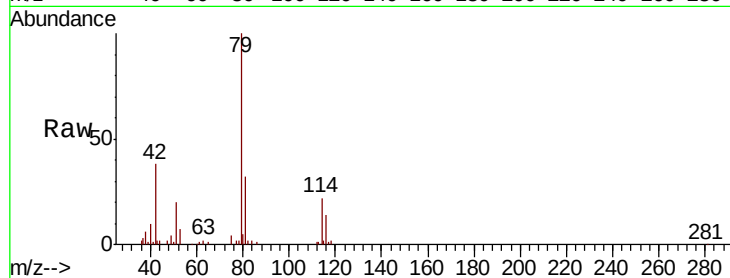
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 2465

Ion Ratio Lower Upper

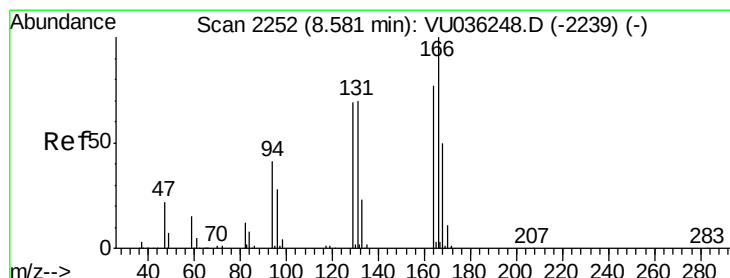
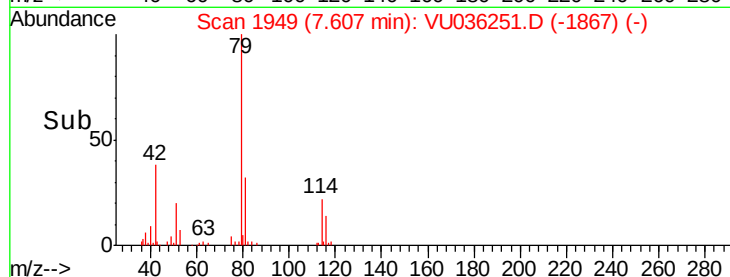
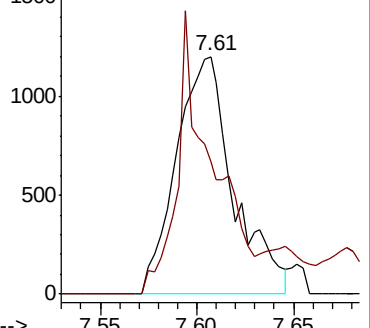
75 100

77 55.8 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU036248.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU036248.D (-1937) (-)



#47

Tetrachloroethene

Concen: 6.394 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036251.D

Acq: 17 Dec 2019 12:06

Tgt Ion: 164 Resp: 116335

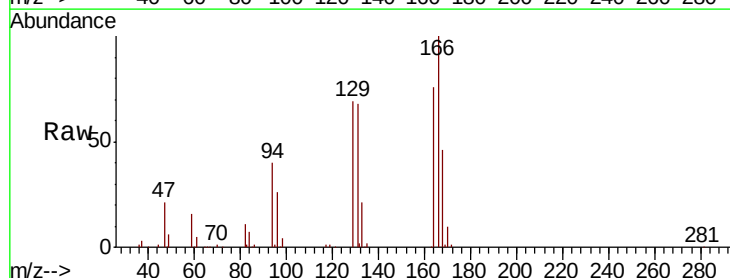
Ion Ratio Lower Upper

164 100

129 90.2 64.2 119.2

131 88.8 66.6 123.8

166 131.2 93.1 172.9

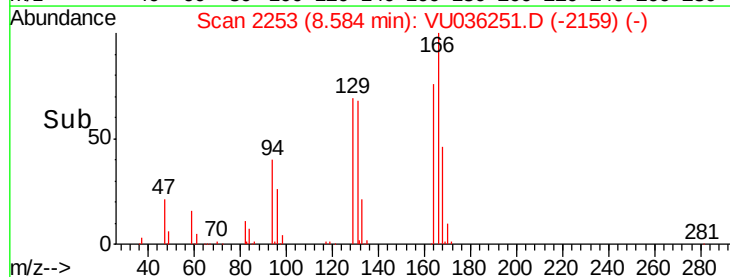
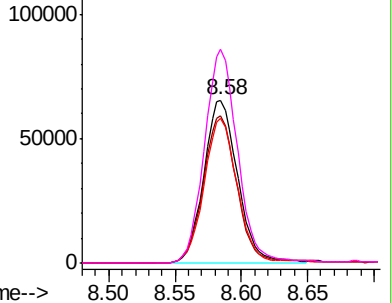


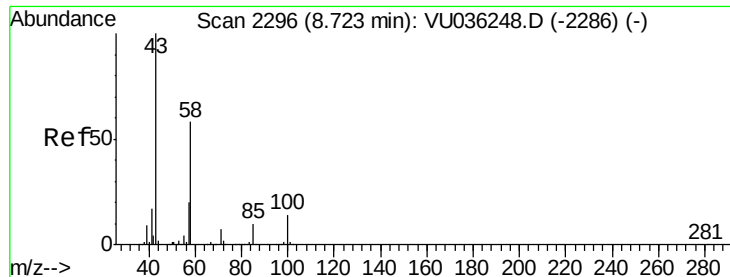
Abundance Ion 163.90 (163.60 to 164.60): VU036248.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU036248.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU036248.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU036248.D (-2239) (-)

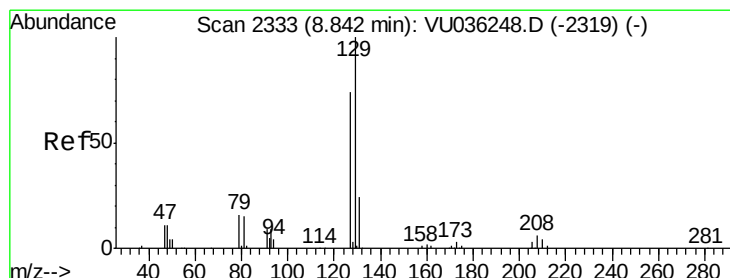
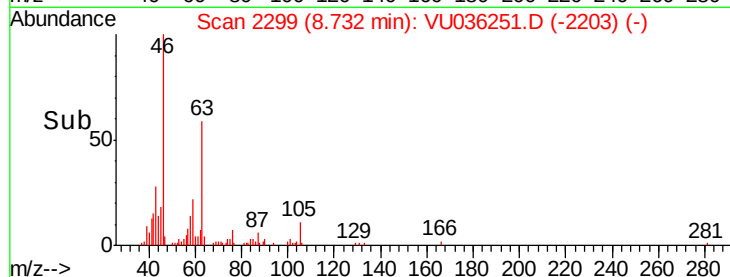
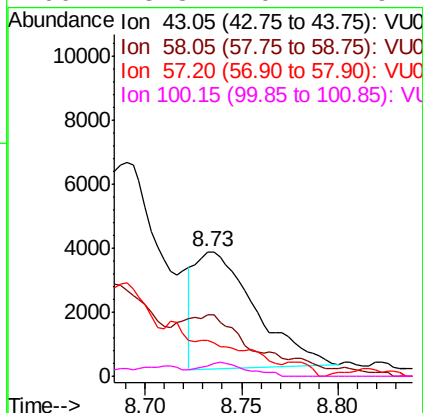
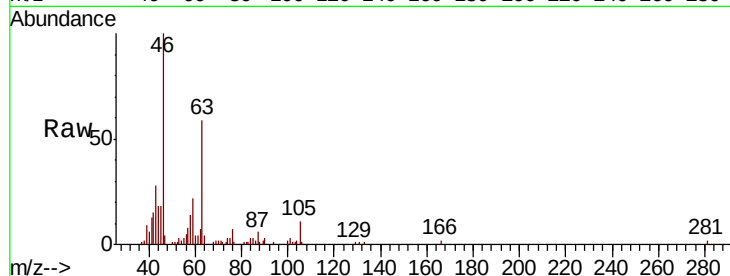




#48
2-Hexanone
Concen: 1.020 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.01 min
Lab File: VU036251.D
Acq: 17 Dec 2019 12:06

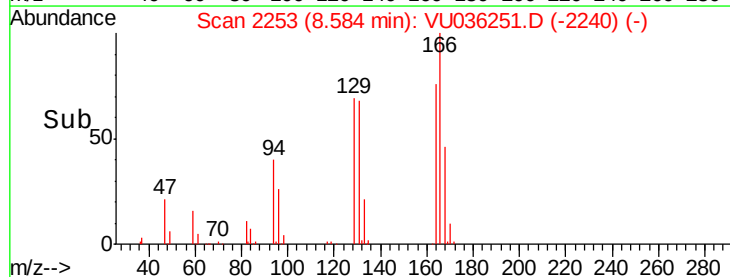
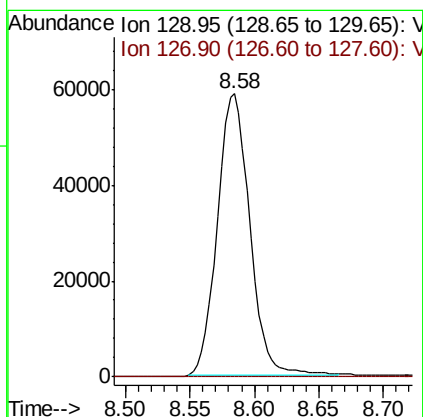
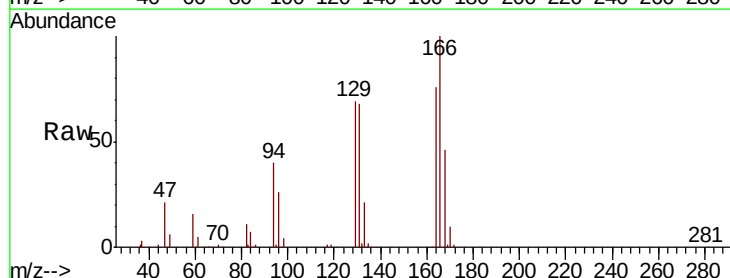
Instrument :
MSVOA_U
ClientSampleId :

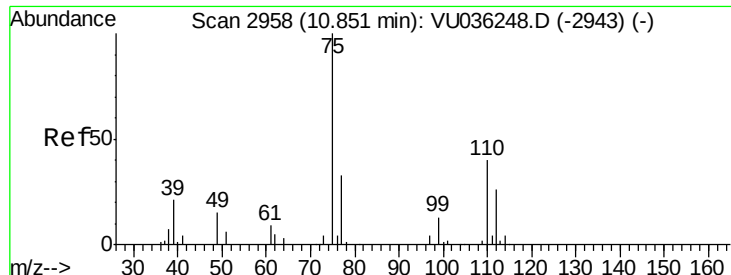
Tot Ion: 43 Resp: 7941
Ion Ratio Lower Upper
43 100
58 42.0 46.2 69.2#
57 4.7 16.2 24.4#
100 8.8 10.2 15.4#



#49
Dibromochloromethane
Concen: 5.508 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU036251.D
Acq: 17 Dec 2019 12:06

Tgt Ion: 129 Resp: 101687
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.6#





#59

1,2,3-Trichloropropane

Concen: 0.672 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU036251.D

Acq: 17 Dec 2019 12:06

Instrument :

MSVOA_U

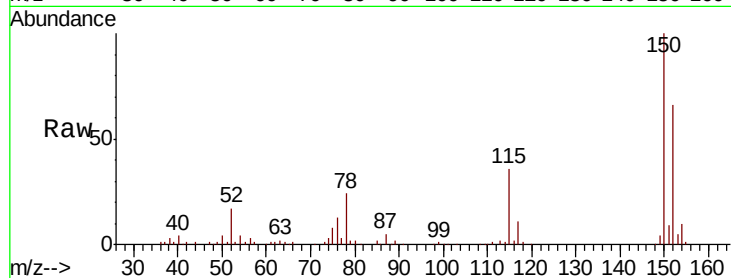
ClientSampleId :

Tot Ion: 75 Resp: 8899

Ion Ratio Lower Upper

75 100

77 35.7 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

