

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036116.D
 Acq On : 11 Dec 2019 05:24
 Operator : JC/MD
 Sample : K6214-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 07:35:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 07:30:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	266784	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	299883	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	72523	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	116595	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.93	69	114550	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.59	63	128187	2.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.00%#
20) 2-Butanone-d5	4.69	46	236389	58.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.68%
24) Chloroform-d	5.11	84	192307	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.75	65	103540	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.77	84	370154	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.73	67	117744	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.93	98	291804	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.21	79	41752	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.70	63	185765	53.81	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.62%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	108953	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	74474	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Ovalue
3) Chloromethane	1.54	50	16672	0.651 ug/L	92
13) Acetone	2.66	43	12727	2.474 ug/L	99
16) Methylene chloride	3.08	84	3642	0.135 ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	33077	1.591 ug/L	97
25) Chloroform	5.14	83	19347	0.488 ug/L	100
34) Trichloroethene	6.58	95	10133	0.466 ug/L	91
35) Methylcyclohexane	6.73	83	29100	0.997 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	12895	0.627 ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	2862	0.102 ug/L #	69
42) Toluene	8.00	91	7848	0.089 ug/L	98
45) 1,1,2-Trichloroethane	8.58	97	1658	0.102 ug/L #	1
47) Tetrachloroethene	8.58	164	225164	10.883 ug/L	98
48) 2-Hexanone	8.71	43	30021	3.897 ug/L #	66
49) Dibromochloromethane	8.58	129	196746	9.157 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	7839	0.533 ug/L	93

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ClientSampleId :

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 11 07:30:58 2019
Response via : Initial Calibration

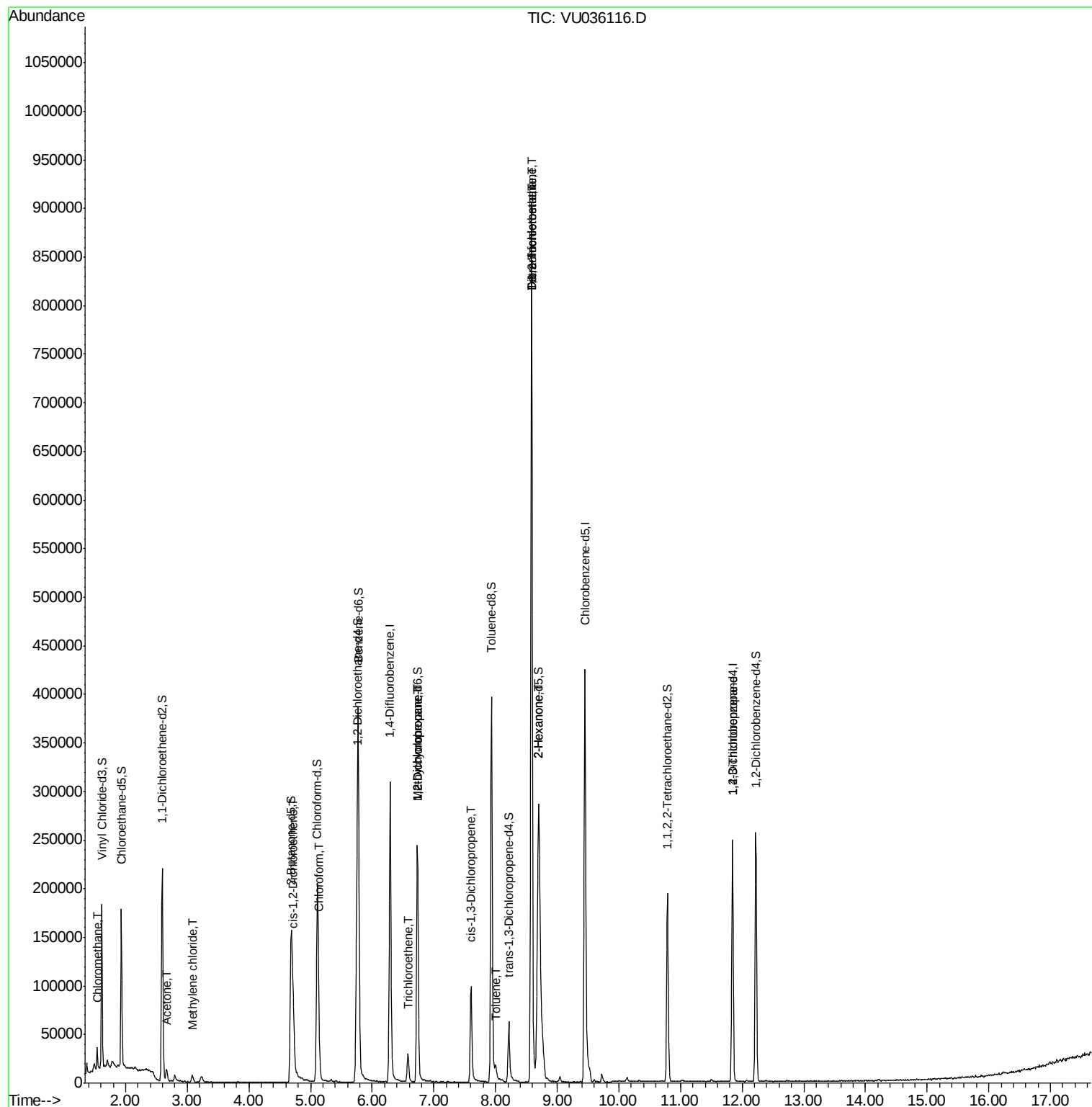
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

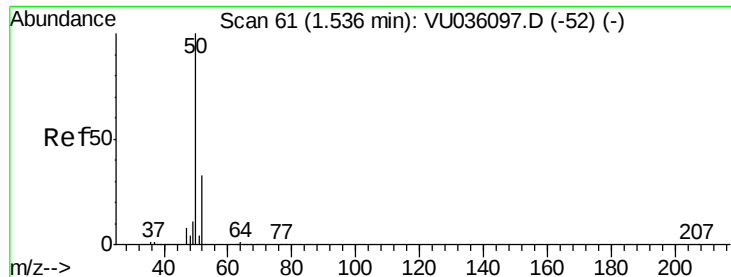
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.651 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036116.D

Acq: 11 Dec 2019 05:24

Instrument :

MSVOA_U

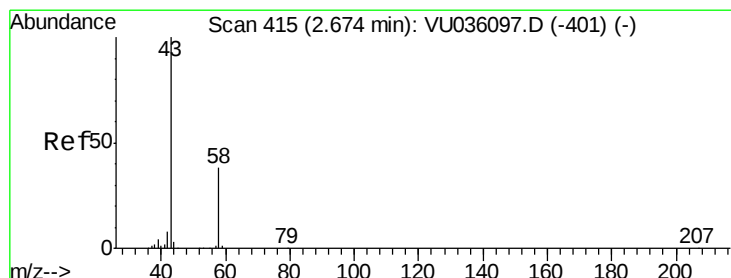
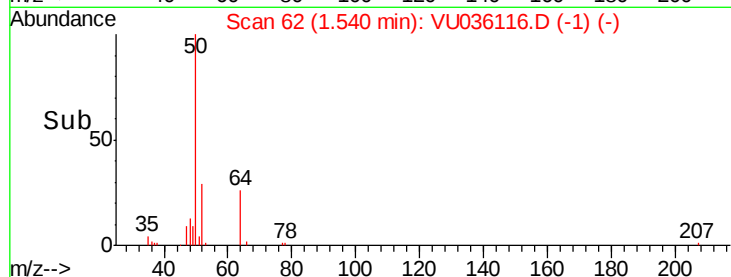
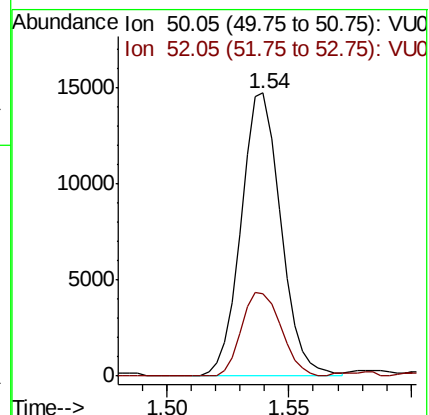
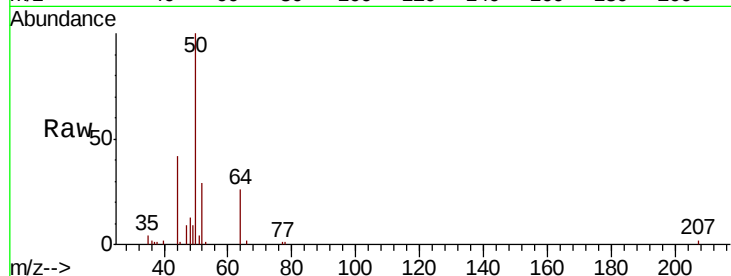
ClientSampleId :

Tot Ion: 50 Resp: 16672

Ion Ratio Lower Upper

50 100

52 29.2 23.6 43.8



#13

Acetone

Concen: 2.474 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU036116.D

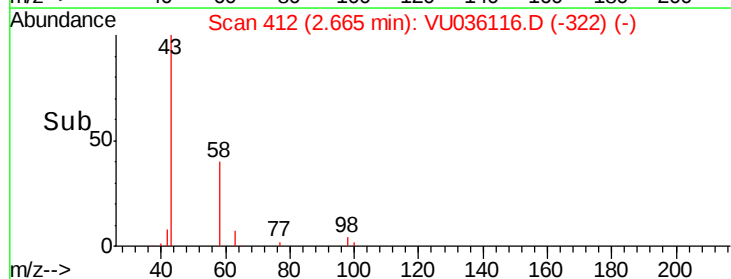
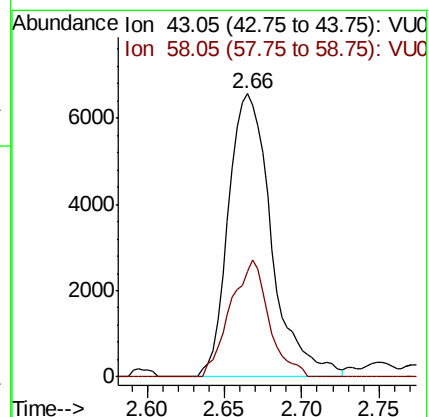
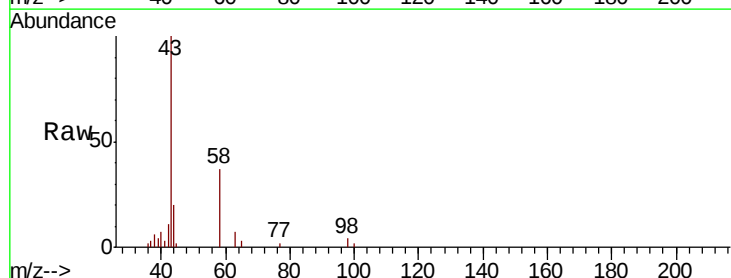
Acq: 11 Dec 2019 05:24

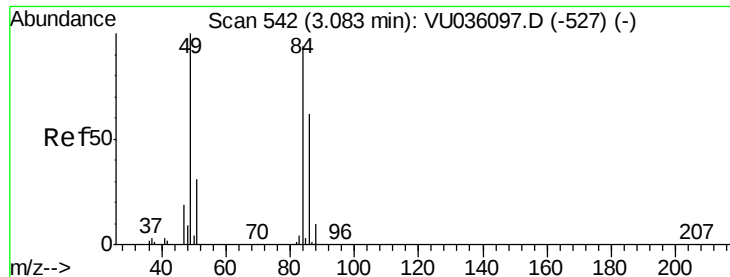
Tgt Ion: 43 Resp: 12727

Ion Ratio Lower Upper

43 100

58 36.7 0.0 74.2

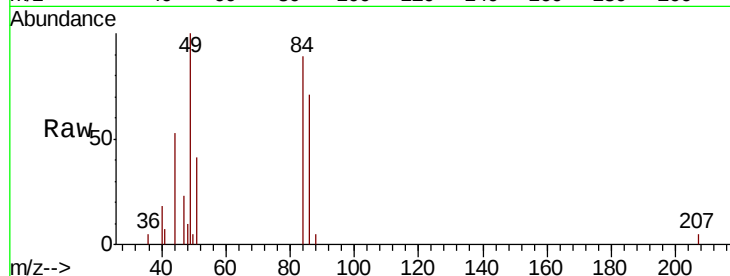




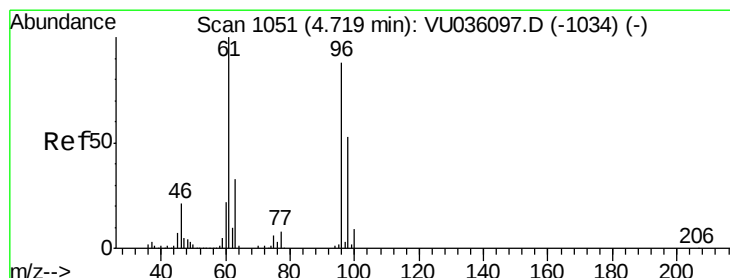
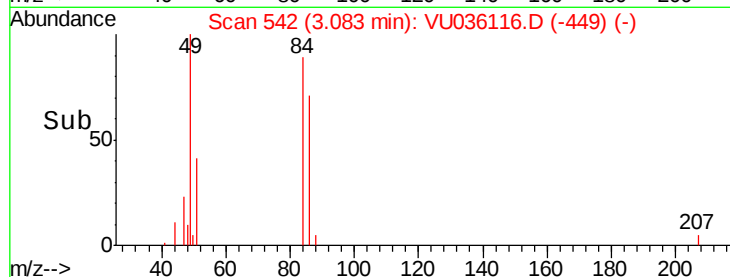
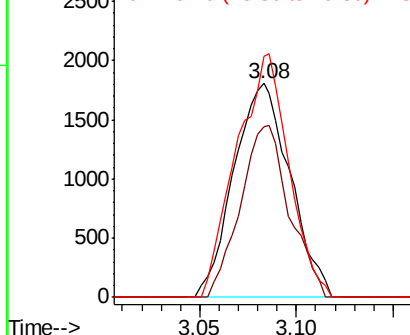
#16
Methylene chloride
Concen: 0.135 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036116.D
Acq: 11 Dec 2019 05:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 3642
Ion Ratio Lower Upper
84 100
86 79.7 47.5 88.3
49 112.7 76.9 142.9

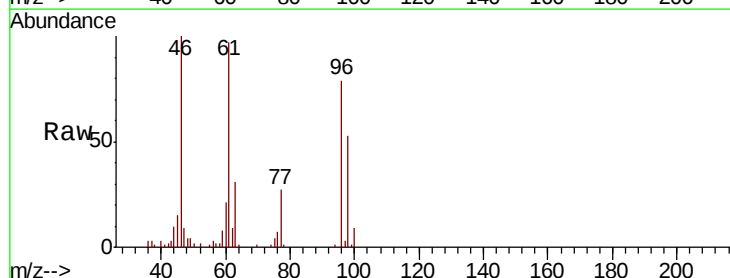


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

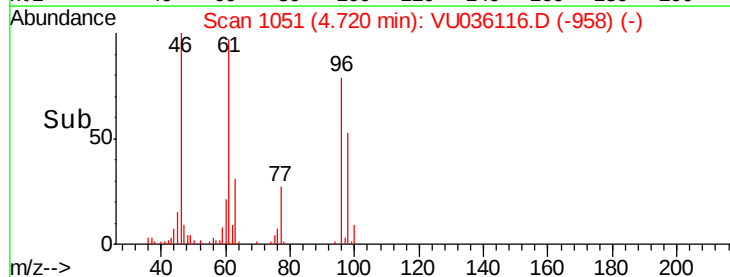
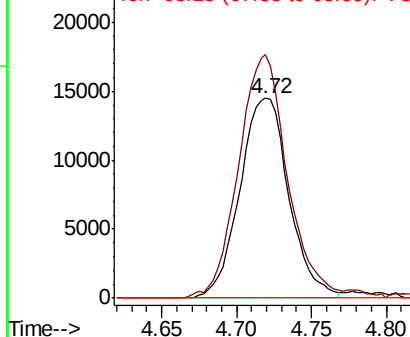


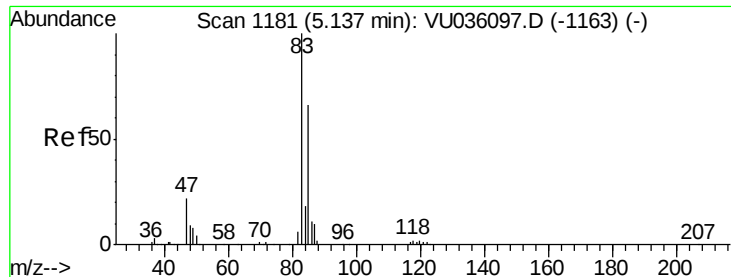
#22
cis-1,2-Dichloroethene
Concen: 1.591 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU036116.D
Acq: 11 Dec 2019 05:24

Tgt Ion: 96 Resp: 33077
Ion Ratio Lower Upper
96 100
61 121.8 83.0 154.2
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

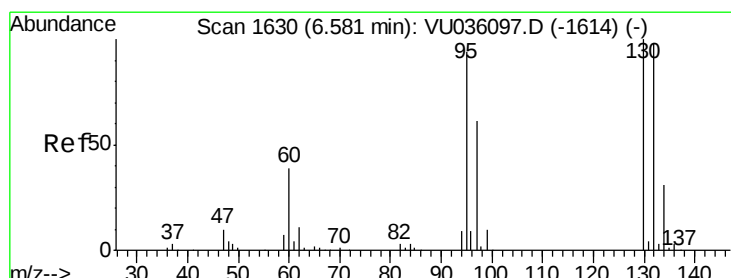
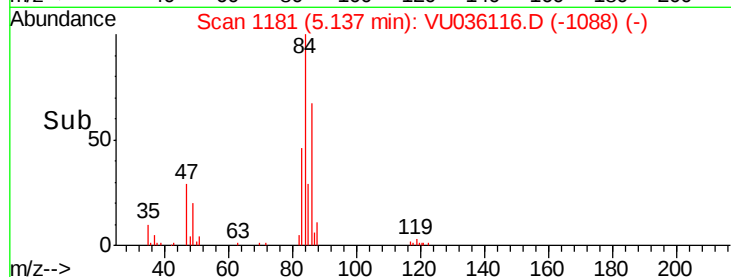
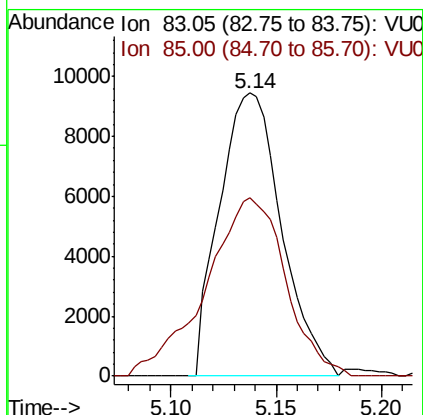
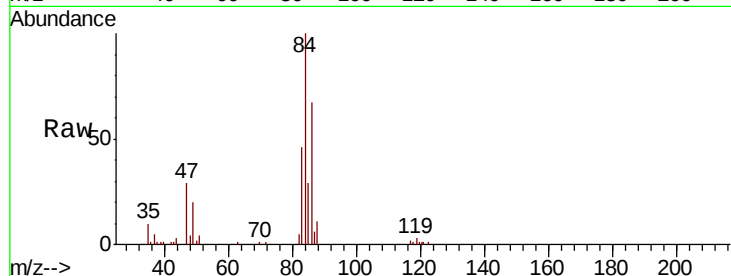




#25
Chloroform
Concen: 0.488 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036116.D
Acq: 11 Dec 2019 05:24

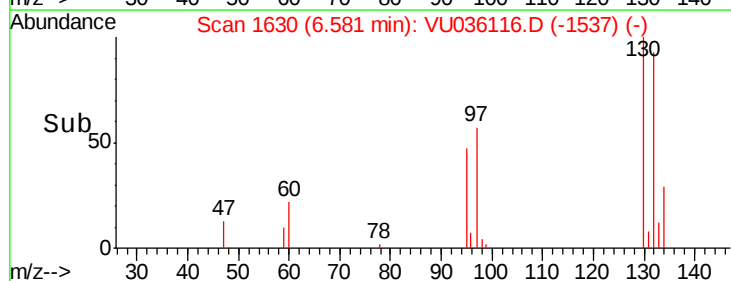
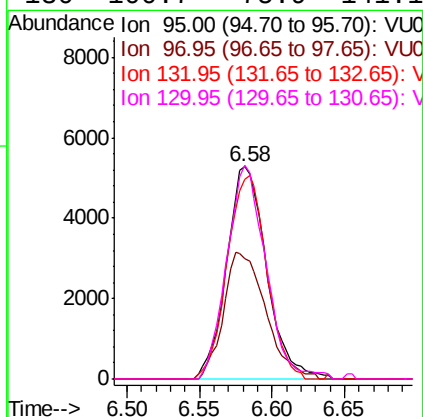
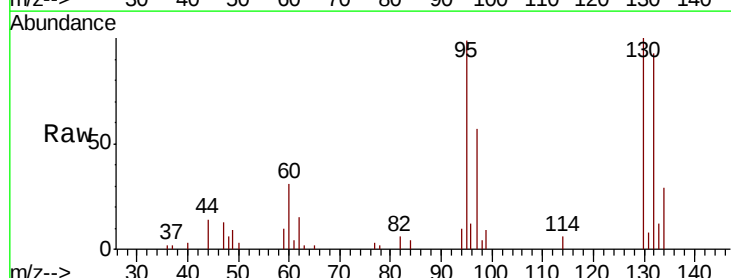
Instrument :
MSVOA_U
ClientSampled :

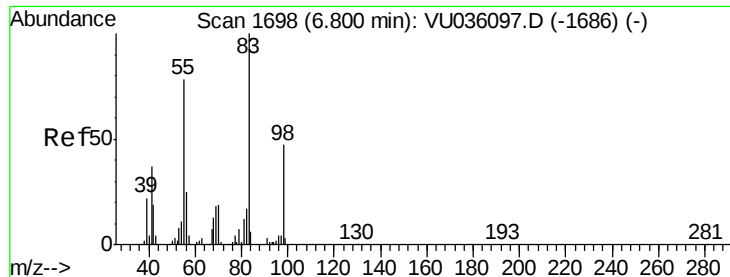
Tot Ion: 83 Resp: 19347
Ion Ratio Lower Upper
83 100
85 63.0 43.9 81.5



#34
Trichloroethene
Concen: 0.466 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036116.D
Acq: 11 Dec 2019 05:24

Tgt Ion: 95 Resp: 10133
Ion Ratio Lower Upper
95 100
97 57.0 44.4 82.4
132 94.1 73.4 136.4
130 100.7 75.9 141.1

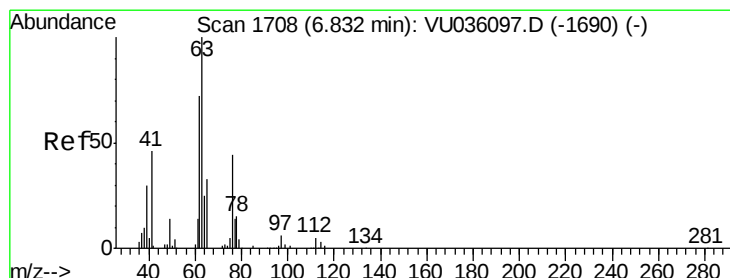
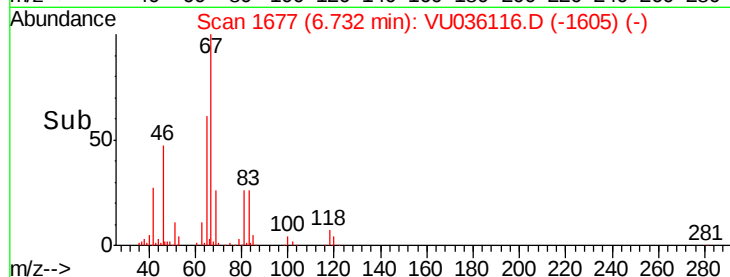
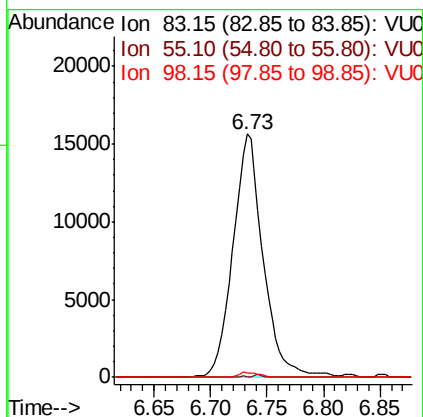
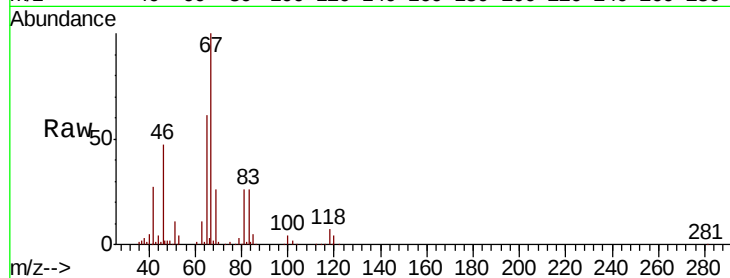




#35
Methvlcvclohexane
Concen: 0.997 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036116.D
Acq: 11 Dec 2019 05:24

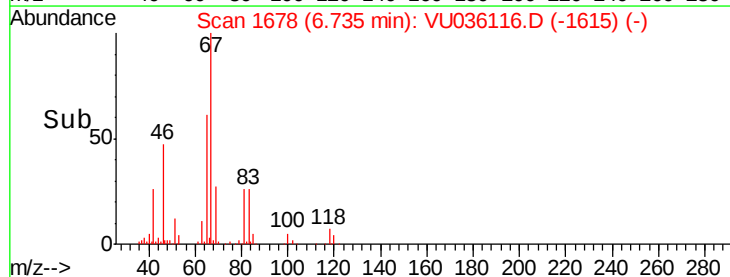
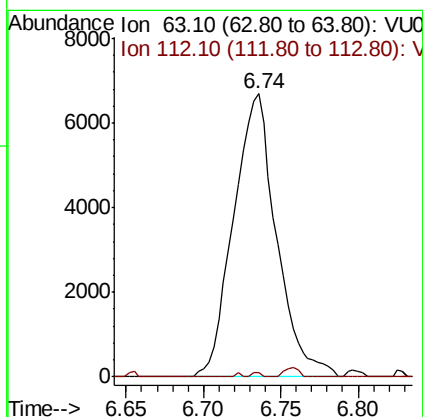
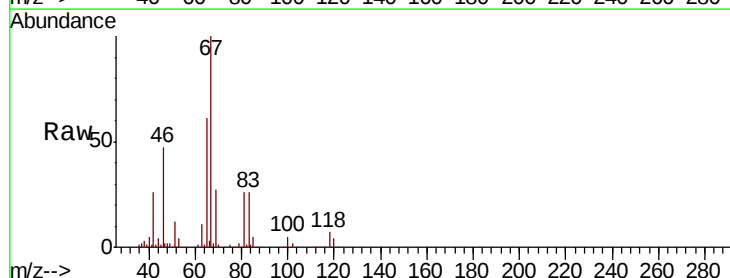
Instrument :
MSVOA_U
ClientSampleId :

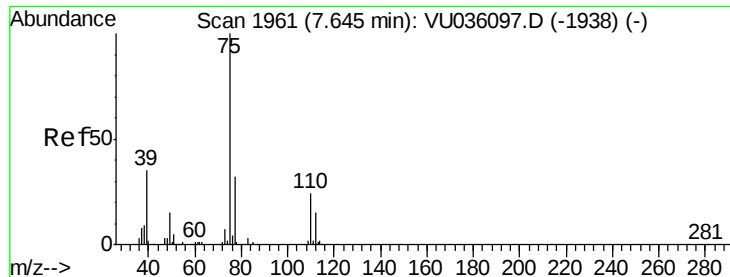
Tot Ion: 83 Resp: 29100
Ion Ratio Lower Upper
83 100
55 0.1 62.1 93.1#
98 1.3 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.627 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU036116.D
Acq: 11 Dec 2019 05:24

Tgt Ion: 63 Resp: 12895
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.8#





#39

cis-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU036116.D

Acq: 11 Dec 2019 05:24

Instrument :

MSVOA_U

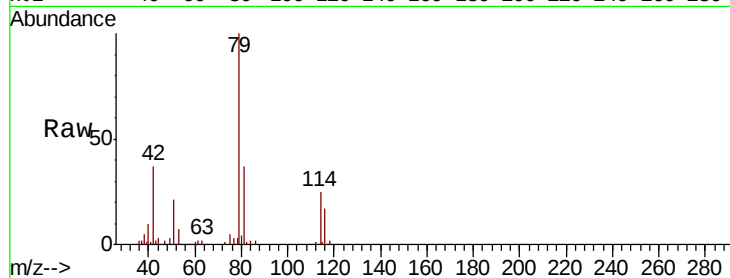
ClientSampleId :

Tot Ion: 75 Resp: 2862

Ion Ratio Lower Upper

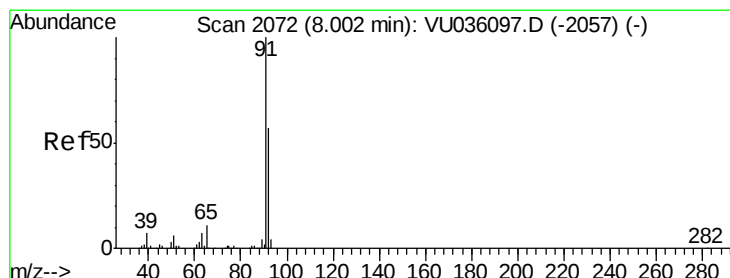
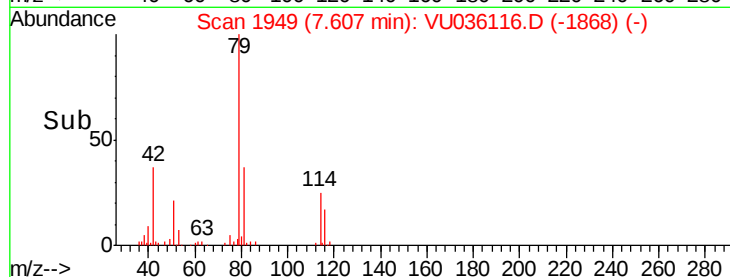
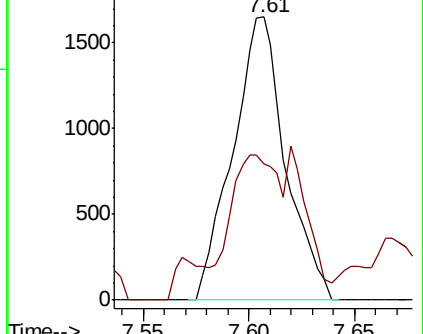
75 100

77 48.3 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU036097.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU036097.D (-1938) (-)



#42

Toluene

Concen: 0.089 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036116.D

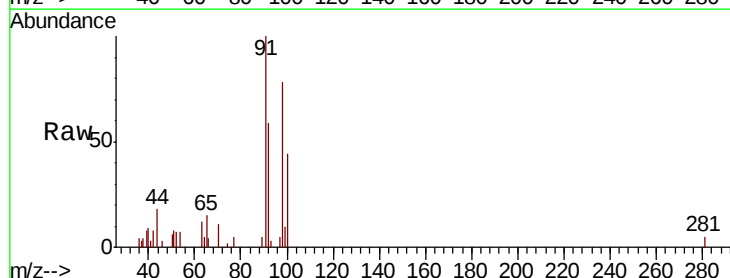
Acq: 11 Dec 2019 05:24

Tgt Ion: 91 Resp: 7848

Ion Ratio Lower Upper

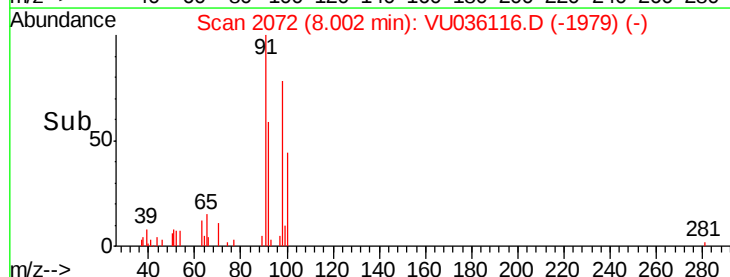
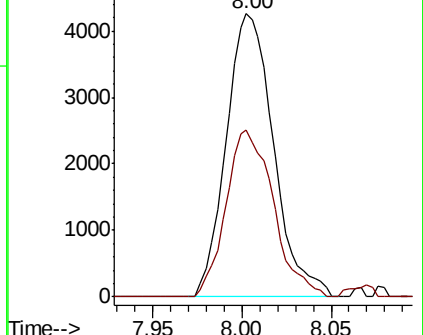
91 100

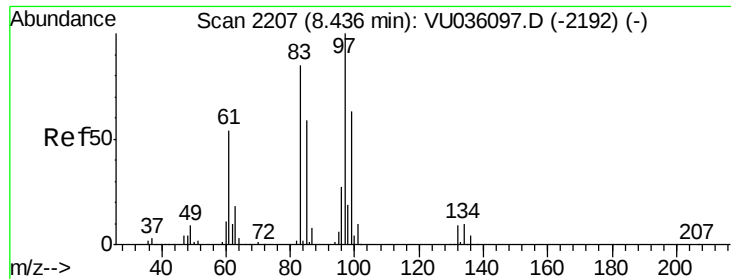
92 58.8 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU036097.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036097.D (-2057) (-)

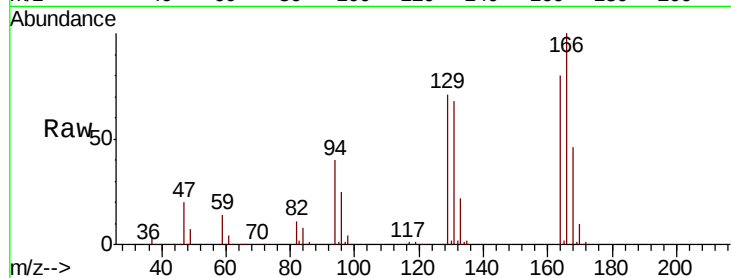




#45
 1,1,2-Trichloroethane
 Concen: 0.102 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.14 min
 Lab File: VU036116.D
 Acq: 11 Dec 2019 05:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	1658
Ion	Ratio	Lower	Upper
97	100		
99	10.2	46.1	85.7#
83	296.0	59.6	110.8#
85	30.8	40.5	75.3#



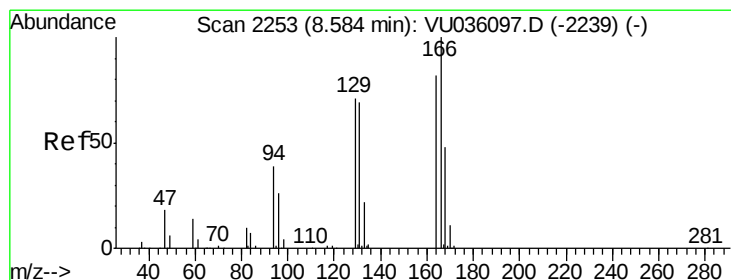
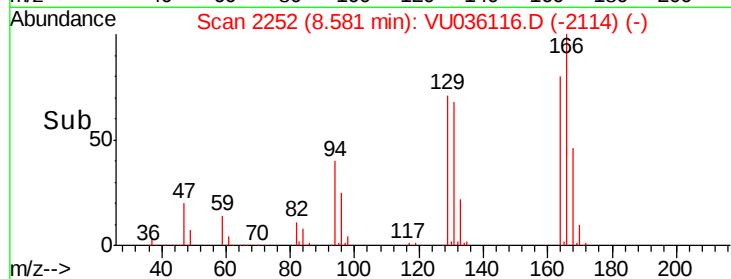
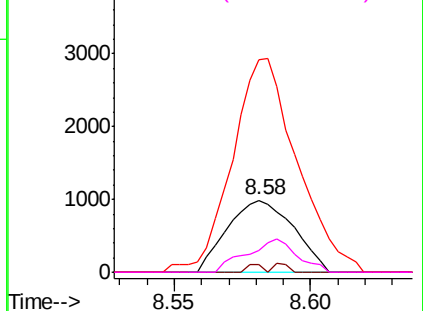
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

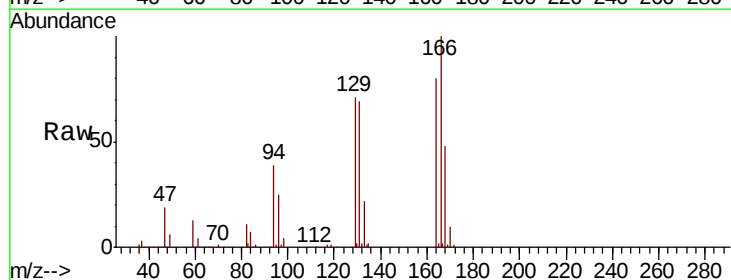
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 10.883 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036116.D
 Acq: 11 Dec 2019 05:24

Tgt Ion:	164	Resp:	225164
Ion	Ratio	Lower	Upper
164	100		
129	89.0	63.1	117.3
131	86.6	61.5	114.1
166	125.3	91.0	169.0



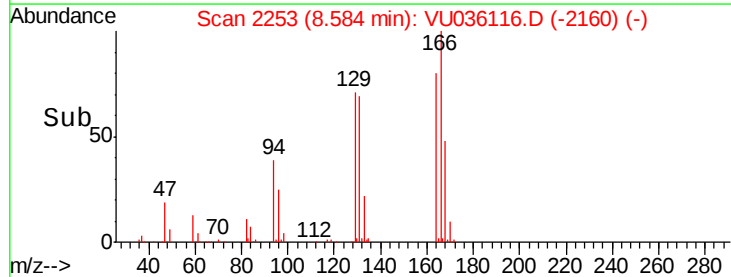
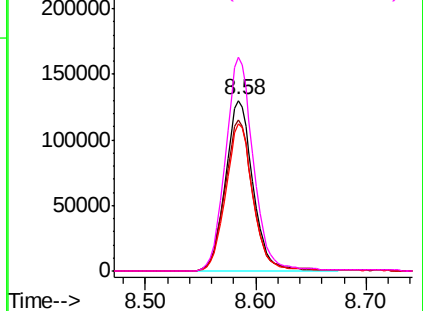
Abundance

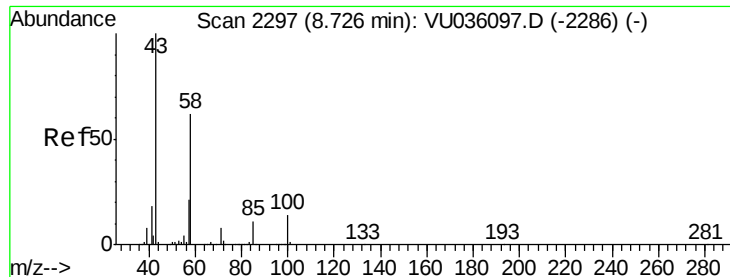
Ion 163.90 (163.60 to 164.60): V

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

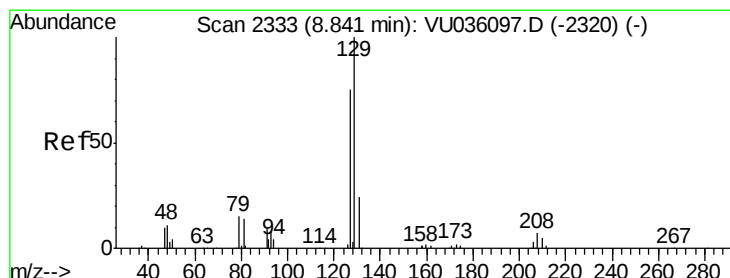
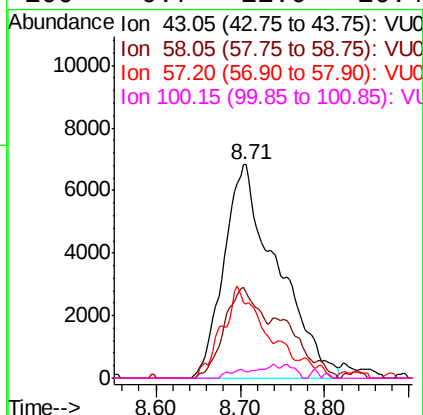
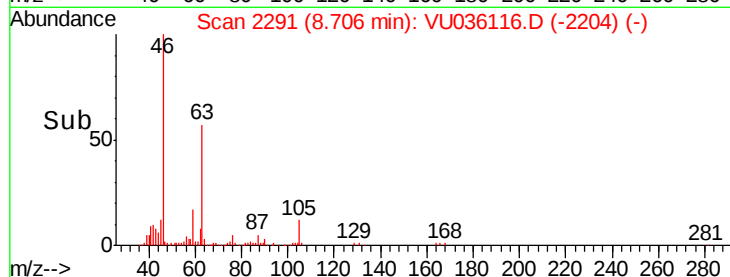
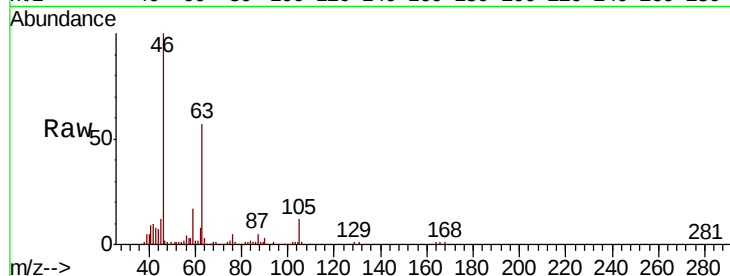




#48
2-Hexanone
Concen: 3.897 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.02 min
Lab File: VU036116.D
Acq: 11 Dec 2019 05:24

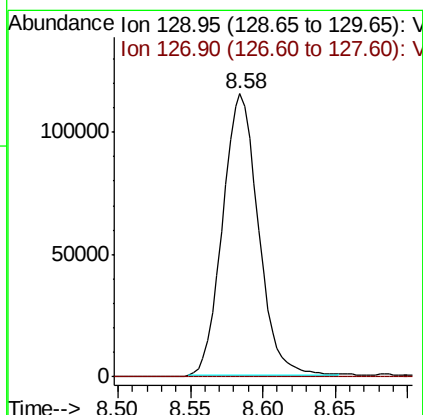
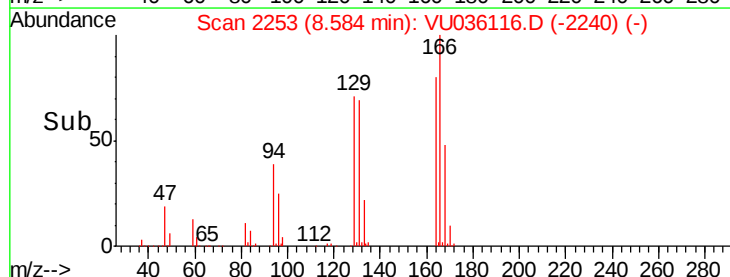
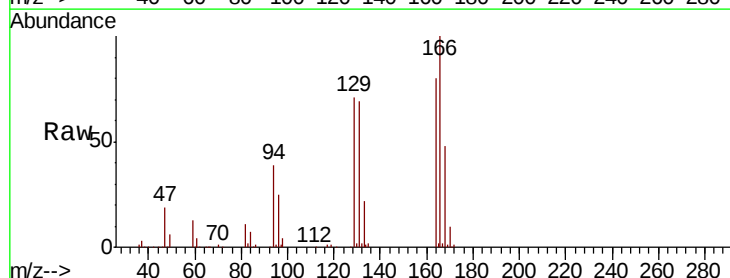
Instrument :
MSVOA_U
ClientSampleId :

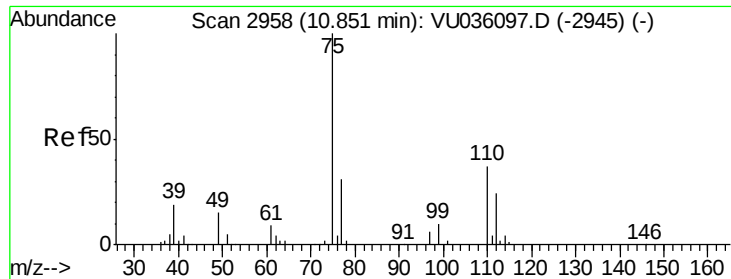
Tot Ion	Ratio	Lower	Upper
43	100		
58	28.8	46.9	70.3#
57	29.7	16.4	24.6#
100	0.7	11.0	16.4#



#49
Dibromochloromethane
Concen: 9.157 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU036116.D
Acq: 11 Dec 2019 05:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.2	52.5	97.5#





#59

1,2,3-Trichloropropane

Concen: 0.533 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU036116.D

Acq: 11 Dec 2019 05:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7839

Ion Ratio Lower Upper

75 100

77 37.6 26.7 40.1

