

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036112.D
 Acq On : 11 Dec 2019 03:46
 Operator : JC/MD
 Sample : K6204-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 07:35:00 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	260176	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	282664	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	109329	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	118683	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.93	69	116698	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.59	63	133351	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.70	46	258255	65.35	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.70%#
24) Chloroform-d	5.11	84	194546	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.75	65	102742	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.77	84	363559	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.73	67	120932	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.93	98	286578	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.21	79	39305	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.68	63	204820	62.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.90%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	112142	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	112722	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

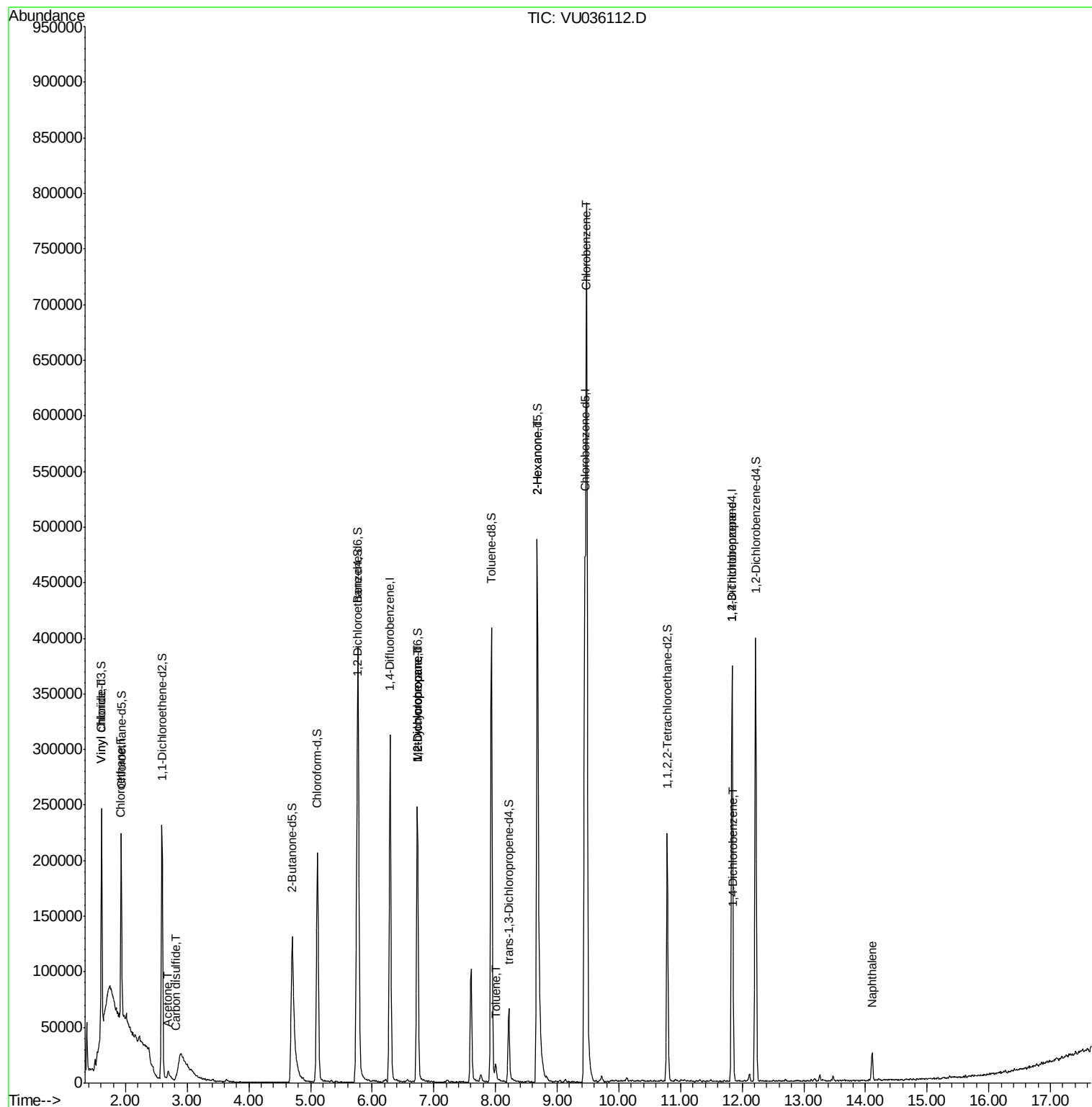
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	5004	0.192	ug/L #	1
8) Chloroethane	1.92	64	2499	0.126	ug/L #	55
13) Acetone	2.69	43	12681	2.528	ug/L	65
14) Carbon disulfide	2.82	76	5413	0.083	ug/L	95
35) Methylcyclohexane	6.73	83	27720	1.007	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	12524	0.646	ug/L #	87
42) Toluene	8.00	91	9660	0.117	ug/L	90
48) 2-Hexanone	8.68	43	22188	3.056	ug/L #	74
51) Chlorobenzene	9.48	112	454507	7.871	ug/L	97
59) 1,2,3-Trichloropropane	11.84	75	13073	0.944	ug/L #	41
63) 1,4-Dichlorobenzene	11.86	146	2695	0.076	ug/L	86
69) Naphthalene	14.11	128	19883	1.606	ug/L	97

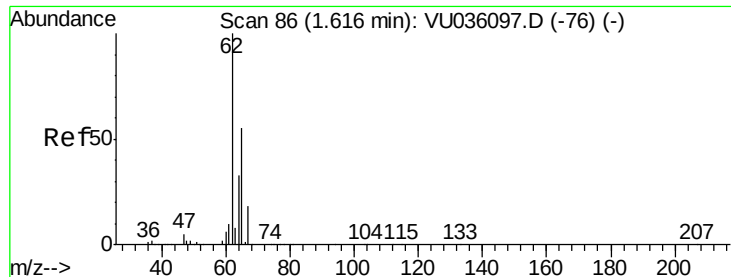
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 11 07:30:58 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.192 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU036112.D

Acq: 11 Dec 2019 03:46

Instrument :

MSVOA_U

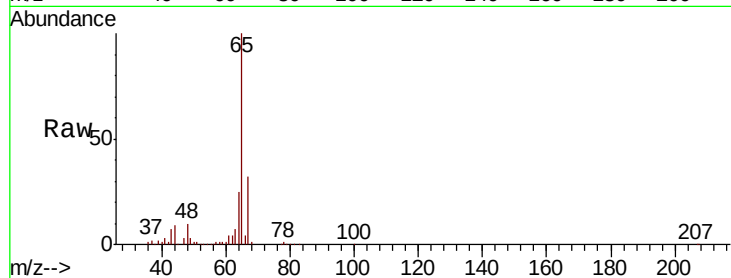
ClientSampleId :

Tot Ion: 62 Resp: 5004

Ion Ratio Lower Upper

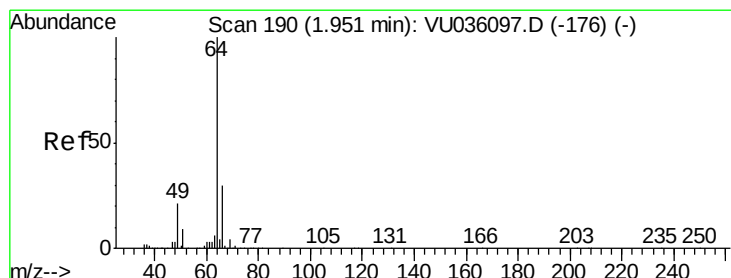
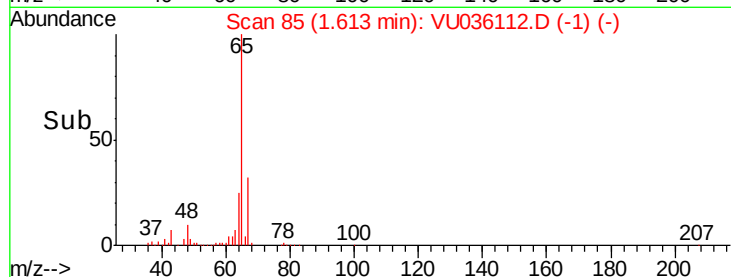
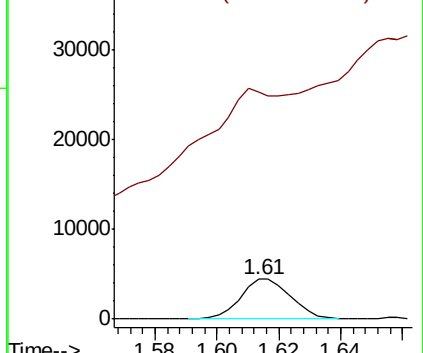
62 100

64 568.1 24.3 45.1#



Abundance Ion 62.00 (61.70 to 62.70): VU036097.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU036112.D (-97) (-)



#8

Chloroethane

Concen: 0.126 ug/L

RT: 1.92 min Scan# 179

Delta R.T. -0.04 min

Lab File: VU036112.D

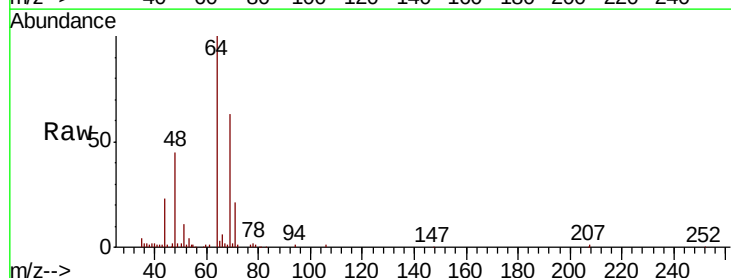
Acq: 11 Dec 2019 03:46

Tgt Ion: 64 Resp: 2499

Ion Ratio Lower Upper

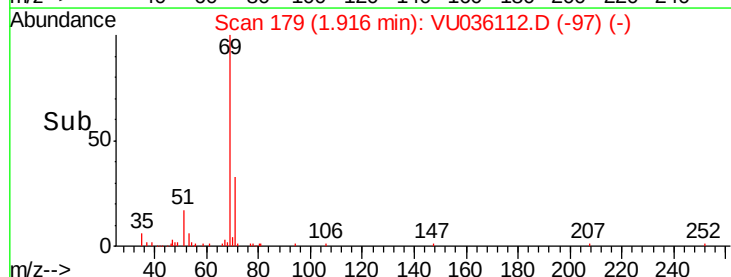
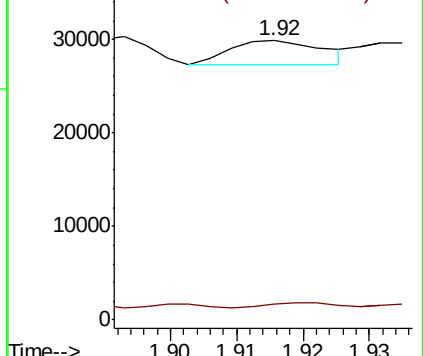
64 100

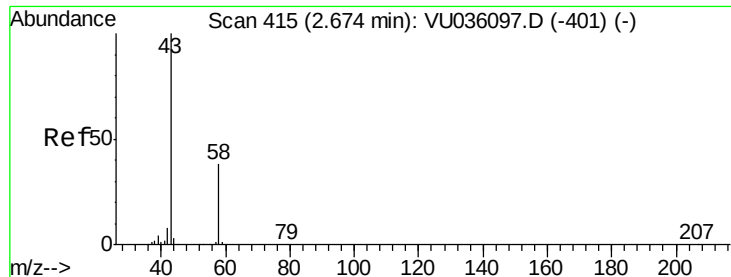
66 5.8 21.5 39.9#



Abundance Ion 64.10 (63.80 to 64.80): VU036097.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU036112.D (-97) (-)





#13

Acetone

Concen: 2.528 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.01 min

Lab File: VU036112.D

Acq: 11 Dec 2019 03:46

Instrument :

MSVOA_U

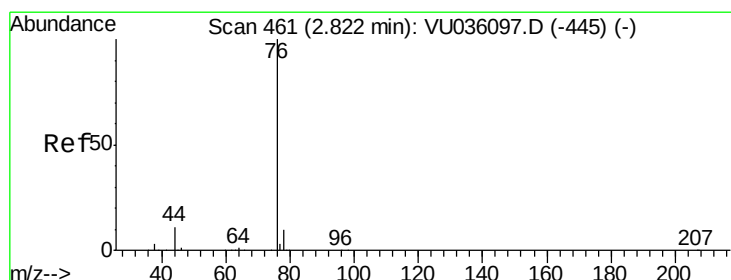
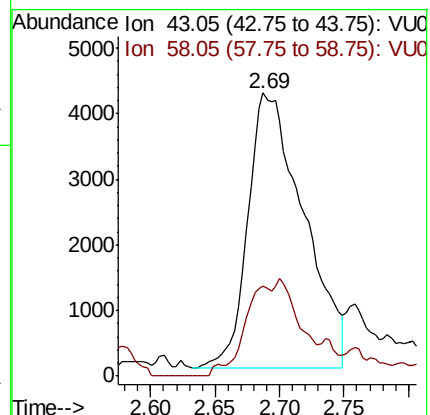
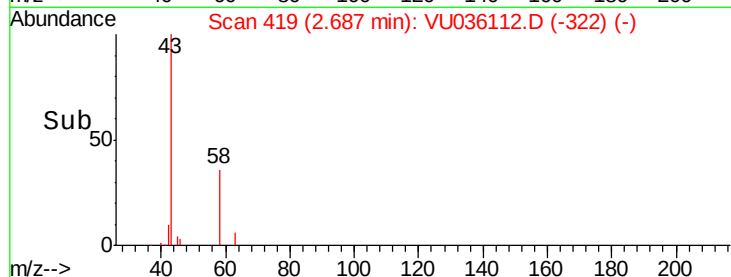
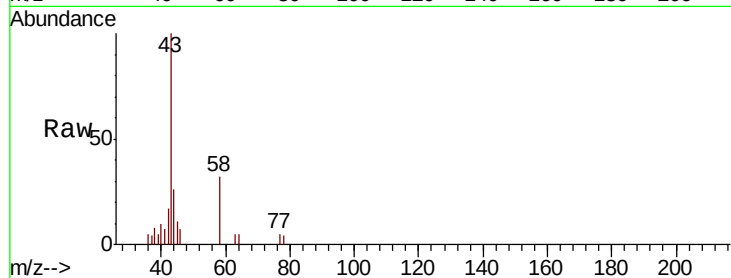
ClientSampleId :

Tot Ion: 43 Resp: 12681

Ion Ratio Lower Upper

43 100

58 16.5 0.0 74.2



#14

Carbon disulfide

Concen: 0.083 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036112.D

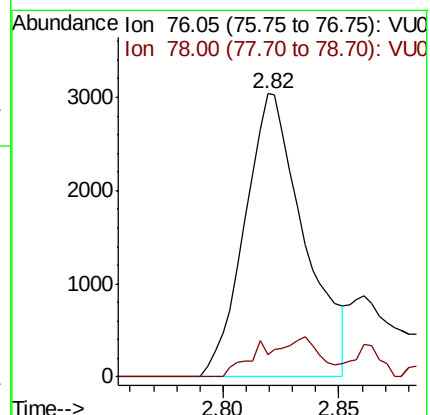
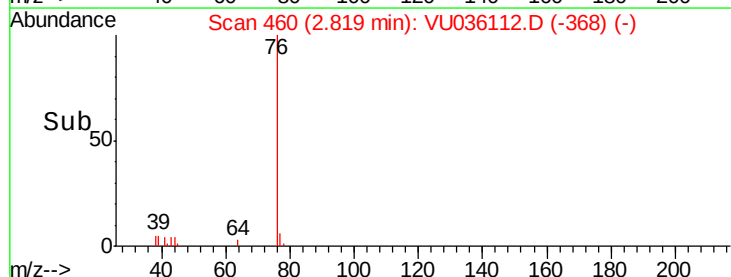
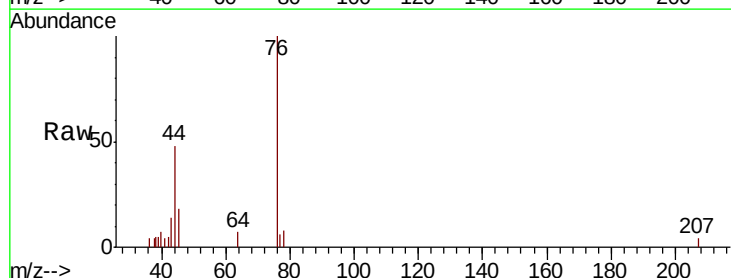
Acq: 11 Dec 2019 03:46

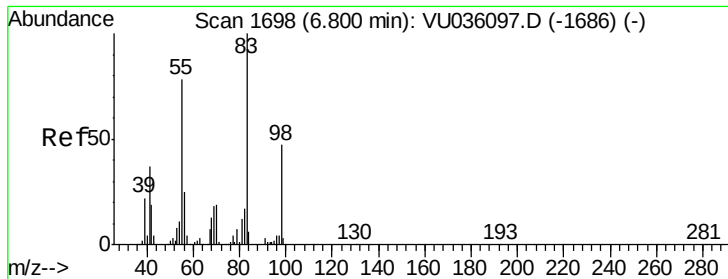
Tgt Ion: 76 Resp: 5413

Ion Ratio Lower Upper

76 100

78 7.9 7.7 11.5

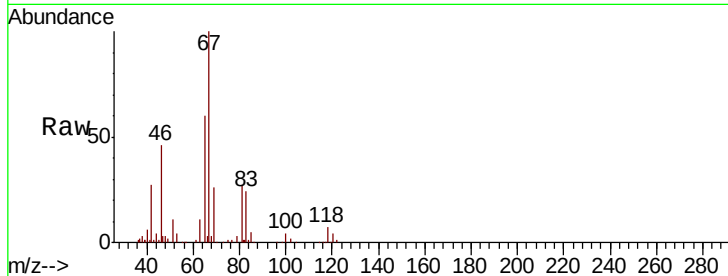




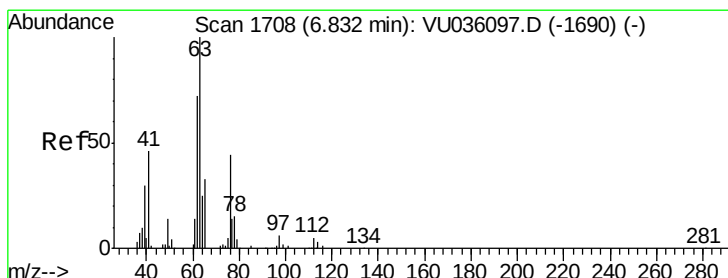
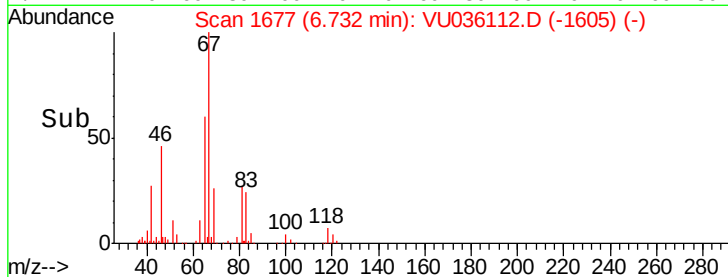
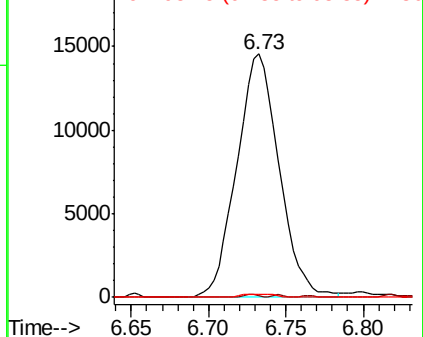
#35
Methylcyclohexane
Concen: 1.007 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036112.D
Acq: 11 Dec 2019 03:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 27720
Ion Ratio Lower Upper
83 100
55 0.3 62.1 93.1#
98 0.6 37.0 55.4#

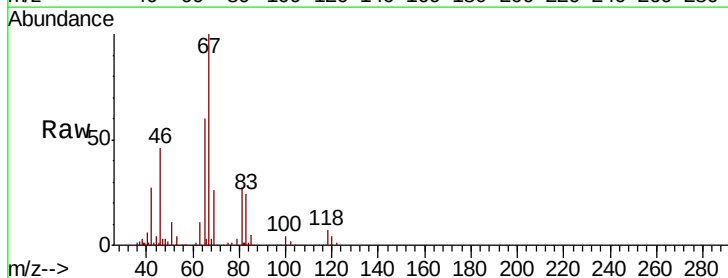


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

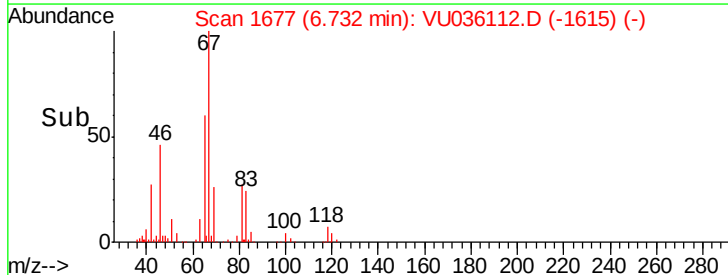
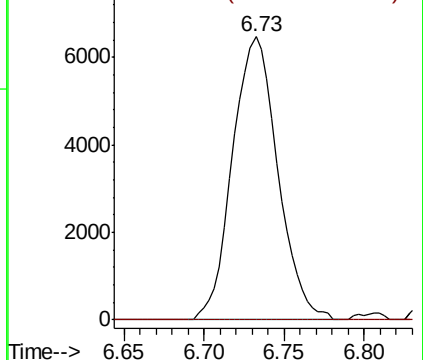


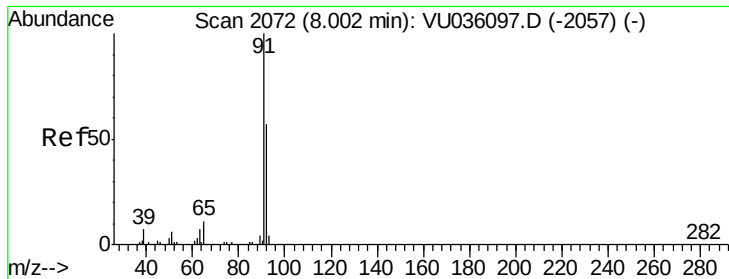
#37
1,2-Dichloropropane
Concen: 0.646 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU036112.D
Acq: 11 Dec 2019 03:46

Tgt Ion: 63 Resp: 12524
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





#42

Toluene

Concen: 0.117 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036112.D

Acq: 11 Dec 2019 03:46

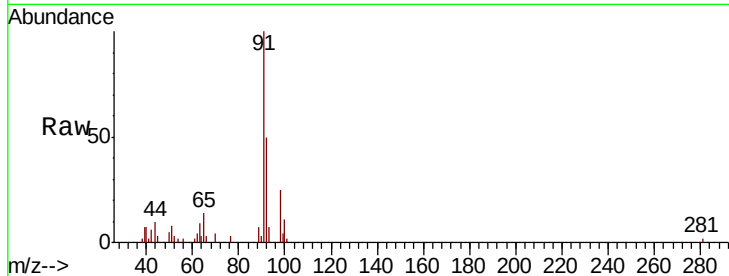
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 9660

Ion Ratio Lower Upper

91 100

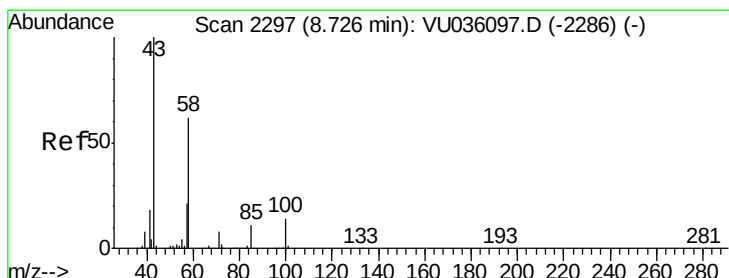
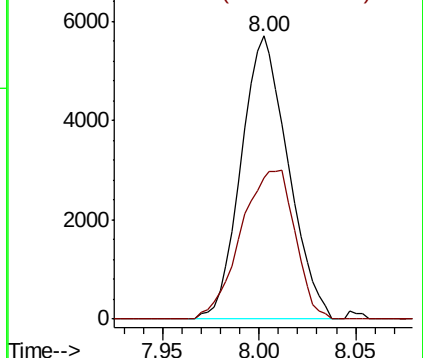
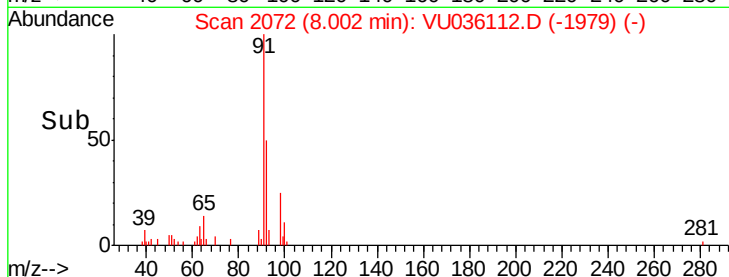
92 50.0 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU036112.D (-1979) (-)

Ion 92.15 (91.85 to 92.85): VU036112.D (-1979) (-)

Time-->



#48

2-Hexanone

Concen: 3.056 ug/L

RT: 8.68 min Scan# 2282

Delta R.T. -0.05 min

Lab File: VU036112.D

Acq: 11 Dec 2019 03:46

Tgt Ion: 43 Resp: 22188

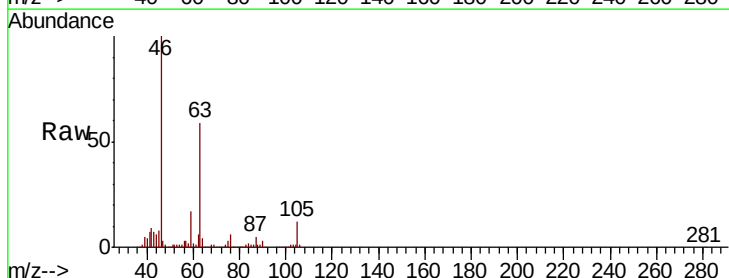
Ion Ratio Lower Upper

43 100

58 48.5 46.9 70.3

57 48.0 16.4 24.6#

100 2.9 11.0 16.4#



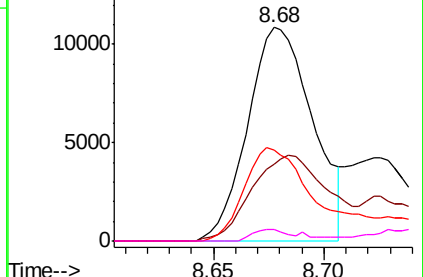
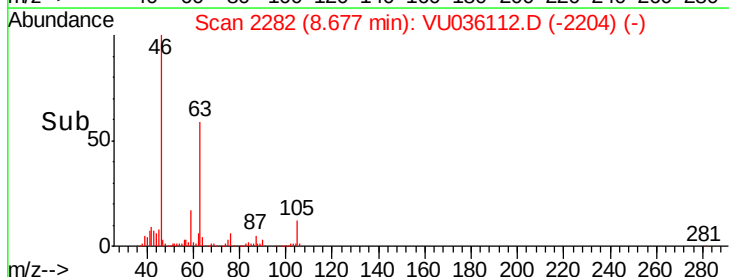
Abundance Ion 43.05 (42.75 to 43.75): VU036112.D (-2204) (-)

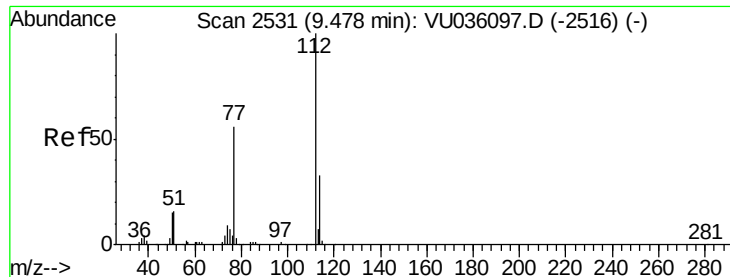
Ion 58.05 (57.75 to 58.75): VU036112.D (-2204) (-)

Ion 57.20 (56.90 to 57.90): VU036112.D (-2204) (-)

Ion 100.15 (99.85 to 100.85): VU036112.D (-2204) (-)

Time-->

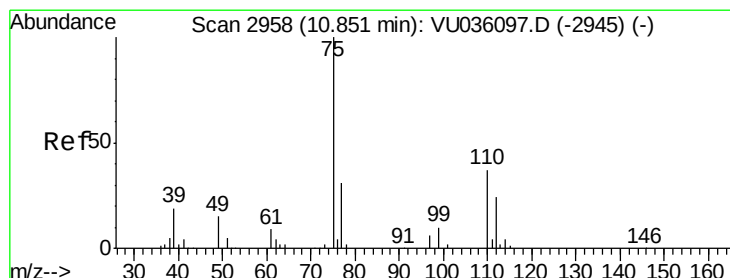
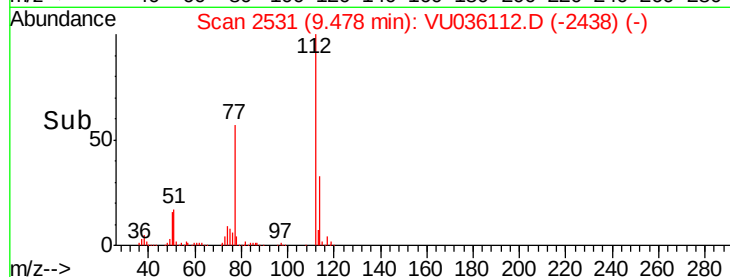
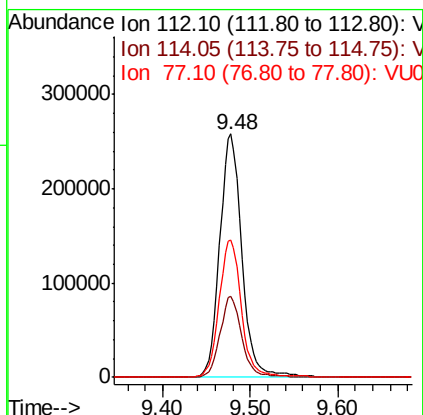
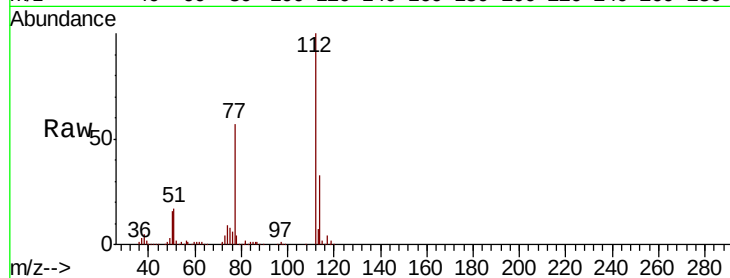




#51
Chlorobenzene
Concen: 7.871 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036112.D
Acq: 11 Dec 2019 03:46

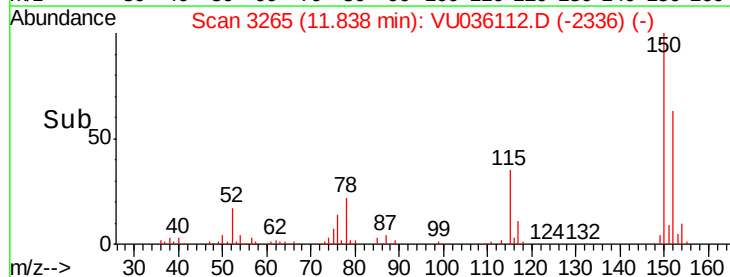
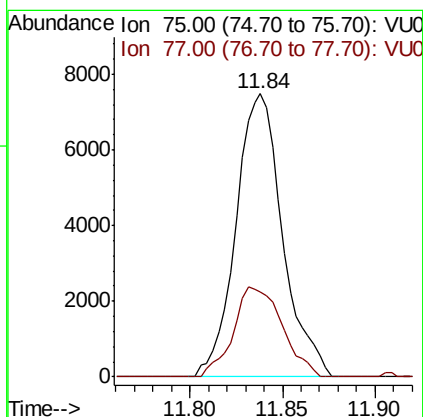
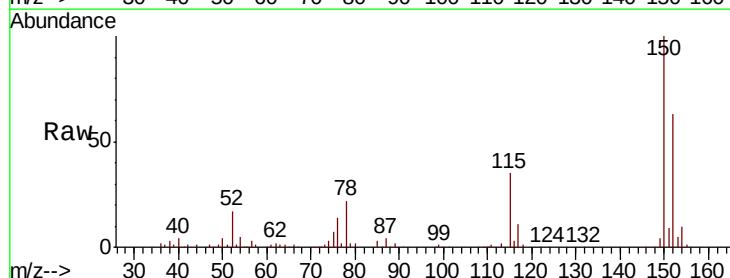
Instrument :
MSVOA_U
ClientSampleId :

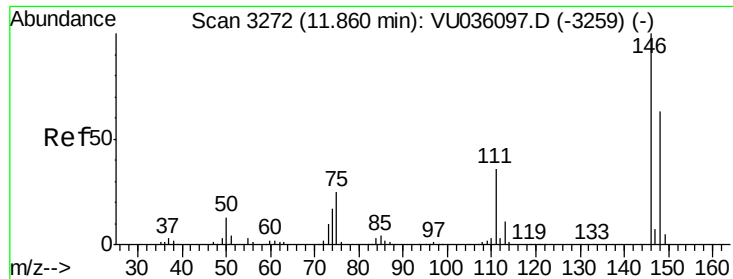
Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.3	41.5
77	56.6	43.8	65.8



#59
1,2,3-Trichloropropane
Concen: 0.944 ug/L
RT: 11.84 min Scan# 3265
Delta R.T. 0.99 min
Lab File: VU036112.D
Acq: 11 Dec 2019 03:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.7	40.1#





#63

1,4-Dichlorobenzene

Concen: 0.076 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VU036112.D

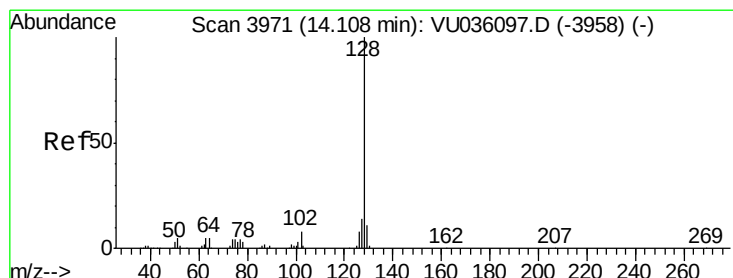
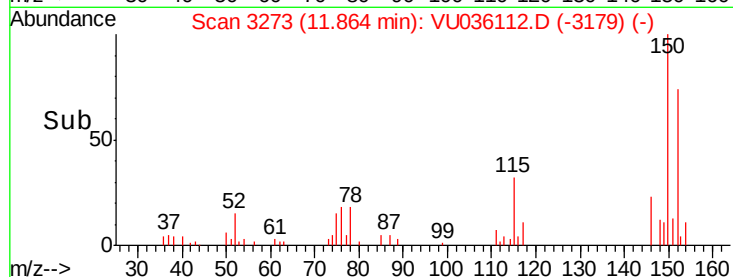
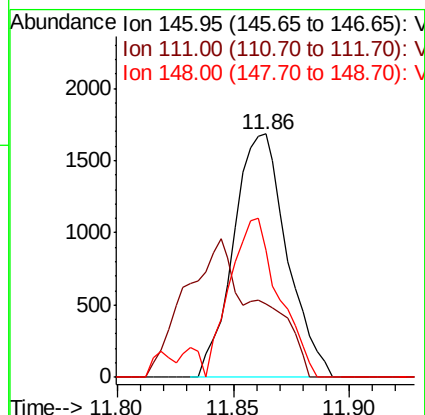
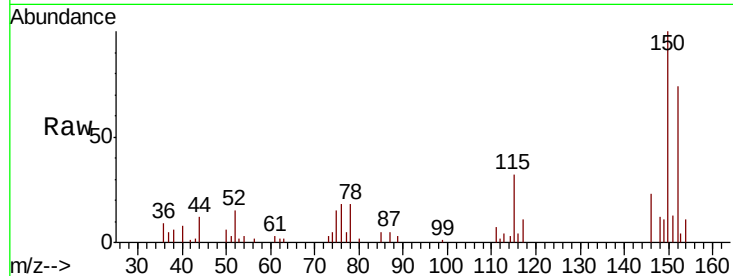
Acq: 11 Dec 2019 03:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	146	Resp:	2695
Ion	Ratio	Lower	Upper
146	100		
111	30.1	26.2	48.6
148	52.3	44.9	83.5



#69

Naphthalene

Concen: 1.606 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036112.D

Acq: 11 Dec 2019 03:46

Tgt Ion:	128	Resp:	19883
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	15.8	11.1	16.7

