

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
 Data File : VU038269.D
 Acq On : 21 May 2020 17:02
 Operator : JC/MD
 Sample : L2724-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 22 01:06:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	466835	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	449148	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	219457	5.00	ug/L	0.00

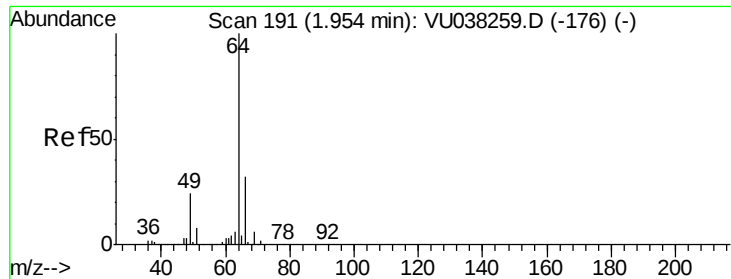
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	122753	2.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.60%
7) Chloroethane-d5	1.93	69	136028	3.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.59	63	186784	2.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.40%#
20) 2-Butanone-d5	4.66	46	536356	50.91	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.82%
24) Chloroform-d	5.10	84	287315	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.74	65	170247	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.76	84	597068	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.72	67	198843	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.92	98	525420	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.20	79	71920	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.65	63	496581	60.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.86%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	172640	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	210853	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.89	64	3305	0.107	ug/L #	53
13) Acetone	2.66	43	5568	0.842	ug/L	99
33) Benzene	5.81	78	44066	0.306	ug/L	100
35) Methylcyclohexane	6.72	83	45455	0.780	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	20174	0.516	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	4662	0.083	ug/L #	36
48) 2-Hexanone	8.71	43	23732	1.197	ug/L #	89
51) Chlorobenzene	9.47	112	85045	0.903	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	32181	1.227	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	11365	0.157	ug/L	87
69) Naphthalene	14.11	128	49001	0.495	ug/L	99

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



#8

Chloroethane

Concen: 0.107 ug/L

RT: 1.89 min Scan# 171

Delta R.T. -0.06 min

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Instrument :

MSVOA_U

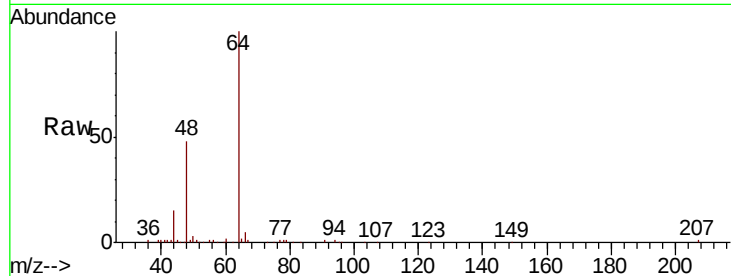
ClientSampleId :

Tot Ion: 64 Resp: 3305

Ion Ratio Lower Upper

64 100

66 5.3 21.8 40.4#

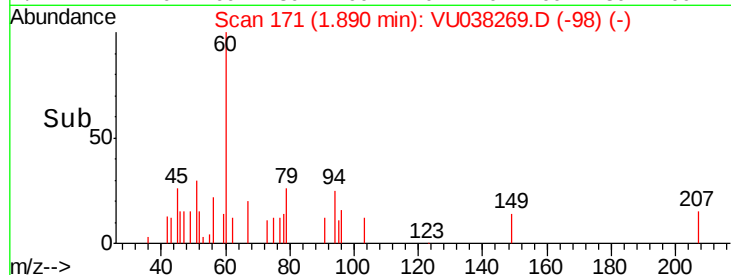


Abundance Ion 64.10 (63.80 to 64.80): VU038269.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU038269.D (-176) (-)

1.89

Time-->



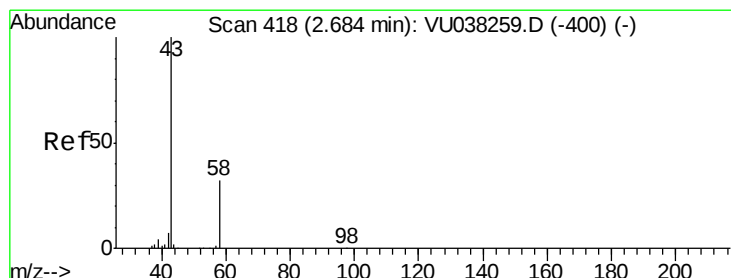
Abundance

Ion 64.10 (63.80 to 64.80): VU038269.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU038269.D (-176) (-)

1.89

Time-->



#13

Acetone

Concen: 0.842 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU038269.D

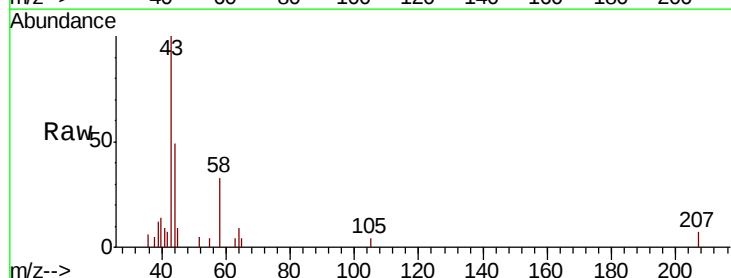
Acq: 21 May 2020 17:02

Tgt Ion: 43 Resp: 5568

Ion Ratio Lower Upper

43 100

58 32.4 0.0 63.6

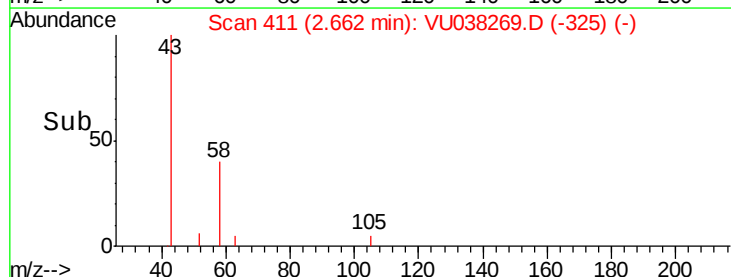


Abundance Ion 43.05 (42.75 to 43.75): VU038269.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038269.D (-400) (-)

2.66

Time-->



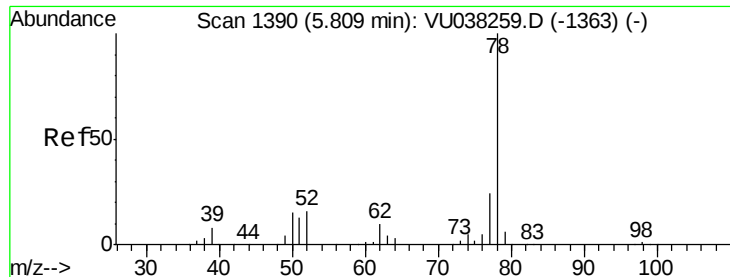
Abundance

Ion 43.05 (42.75 to 43.75): VU038269.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038269.D (-400) (-)

2.66

Time-->



#33

Benzene

Concen: 0.306 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038269.D

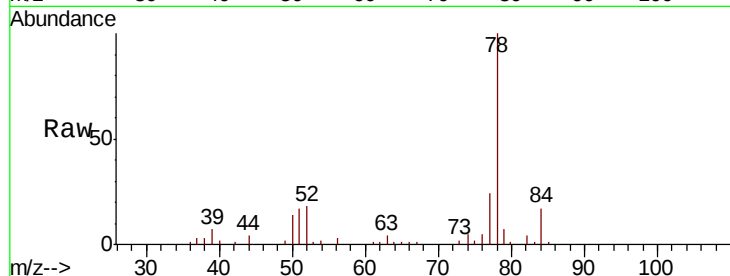
Acq: 21 May 2020 17:02

Instrument :

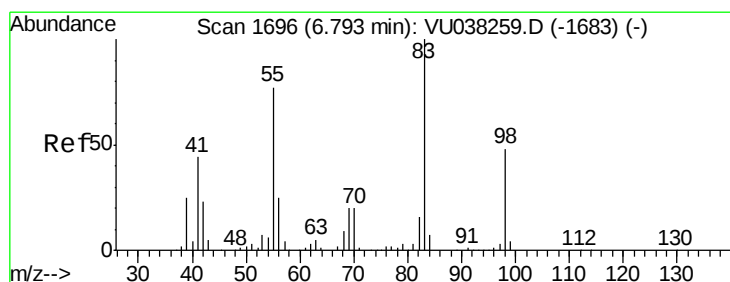
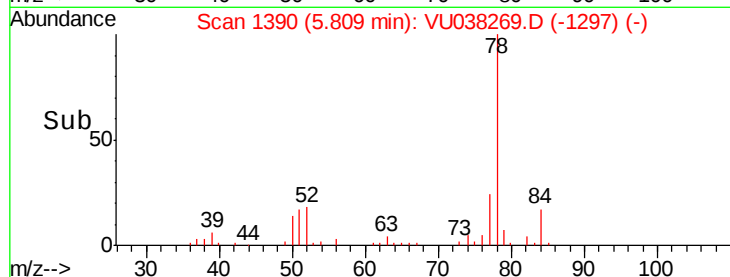
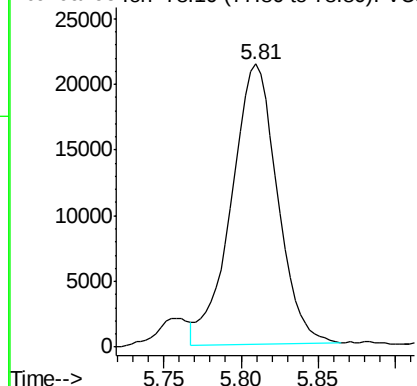
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 44066



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.780 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038269.D

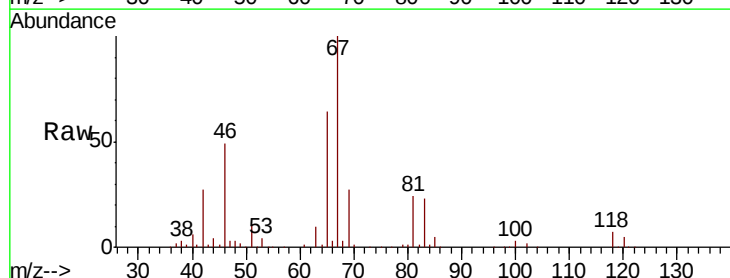
Acq: 21 May 2020 17:02

Tgt Ion: 83 Resp: 45455

Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.7	100.1#
98	0.8	39.4	59.2#

55 0.0 66.7 100.1#

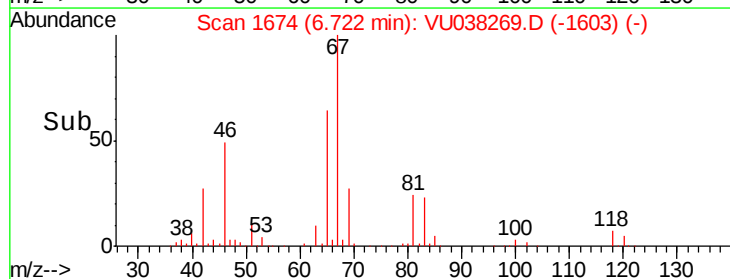
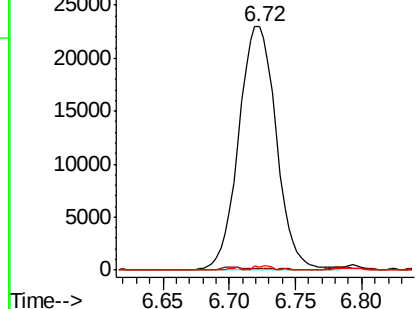
98 0.8 39.4 59.2#

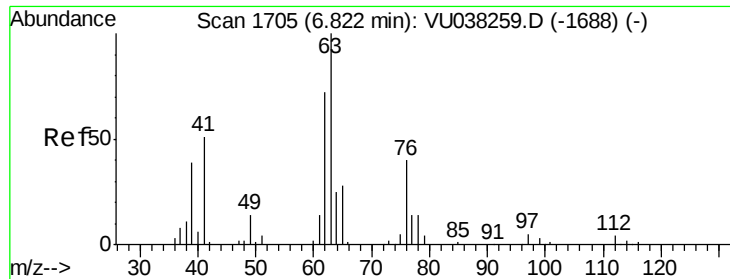


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

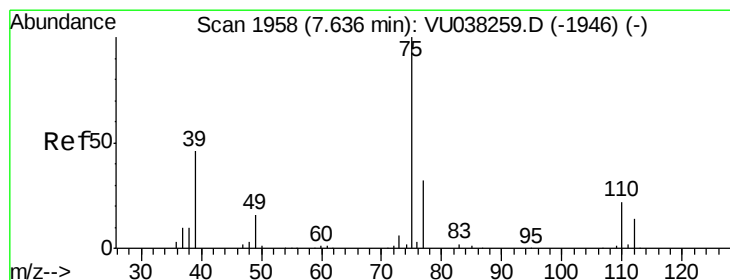
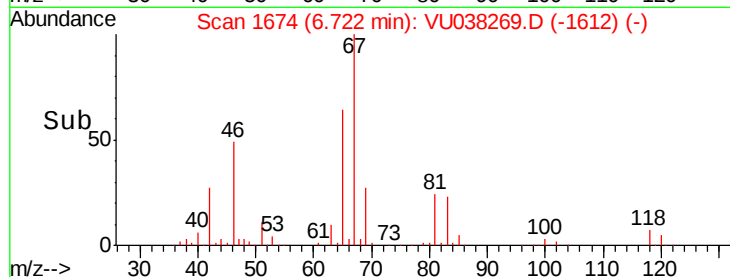
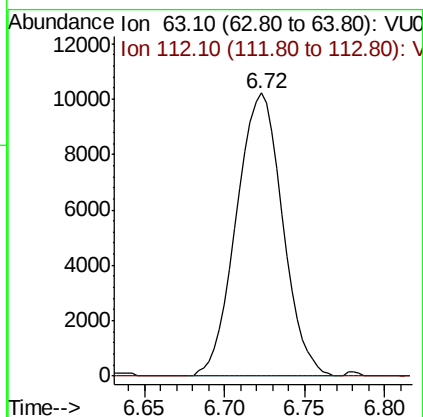
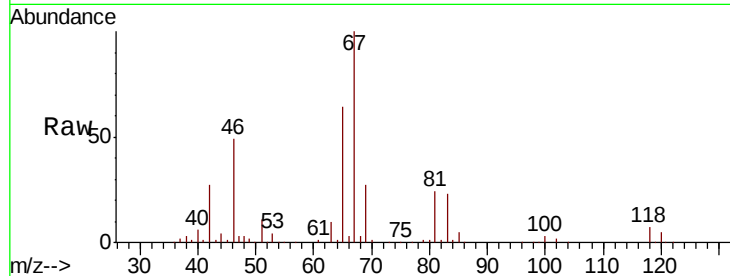




#37
 1,2-Dichloropropane
 Concen: 0.516 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038269.D
 Acq: 21 May 2020 17:02

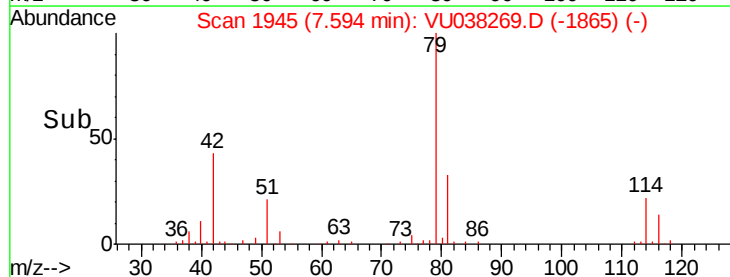
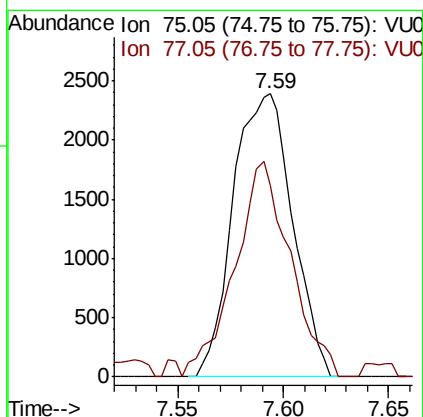
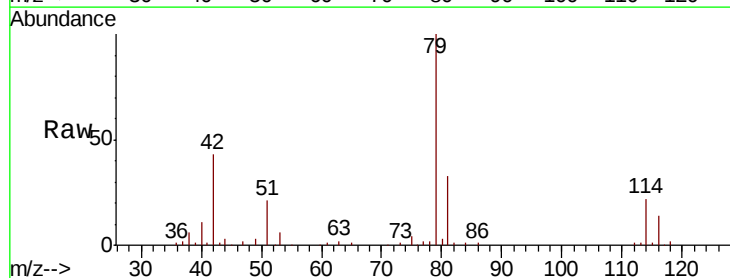
Instrument :
 MSVOA_U
 ClientSampleId :

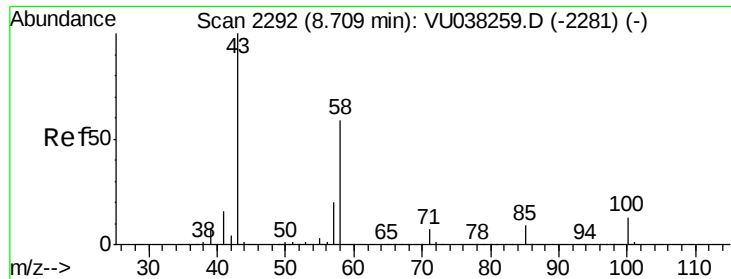
Tot Ion: 63 Resp: 20174
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038269.D
 Acq: 21 May 2020 17:02

Tgt Ion: 75 Resp: 4662
 Ion Ratio Lower Upper
 75 100
 77 67.4 22.4 41.6#

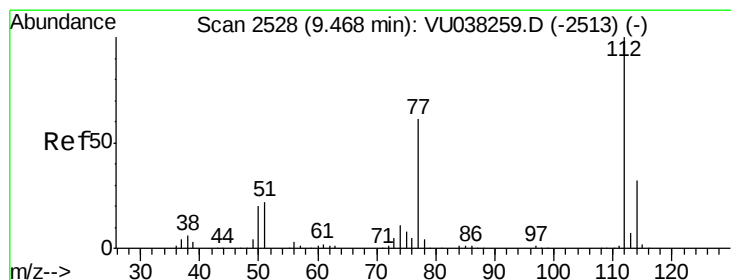
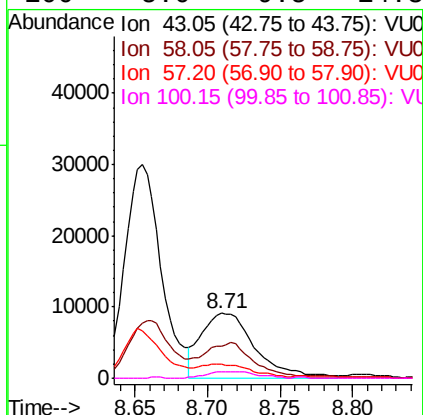
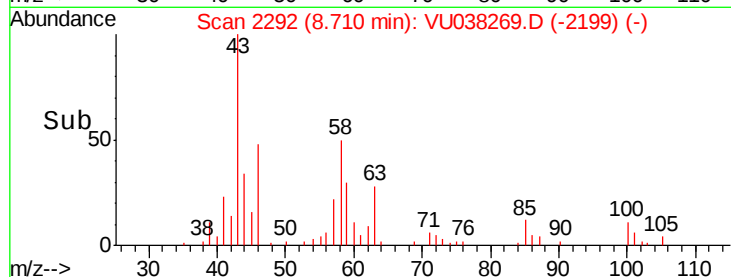
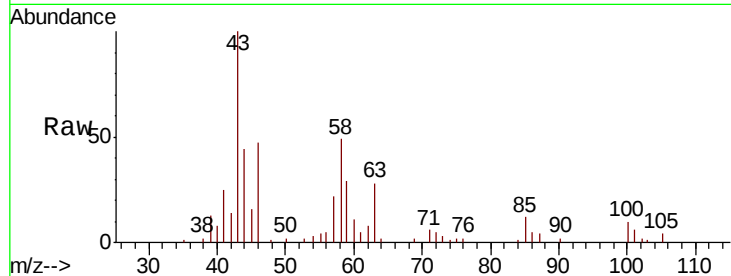




#48
2-Hexanone
Concen: 1.197 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038269.D
Acq: 21 May 2020 17:02

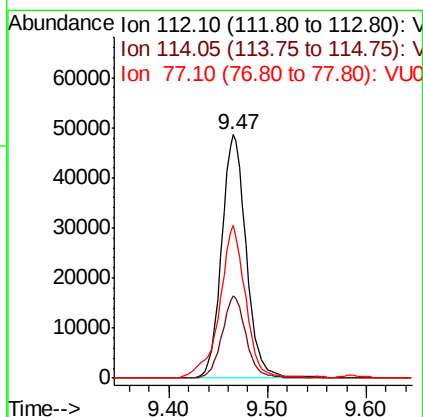
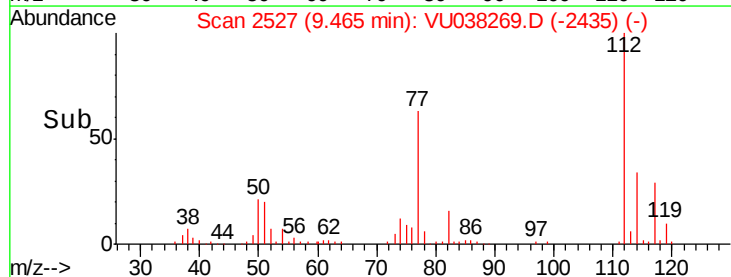
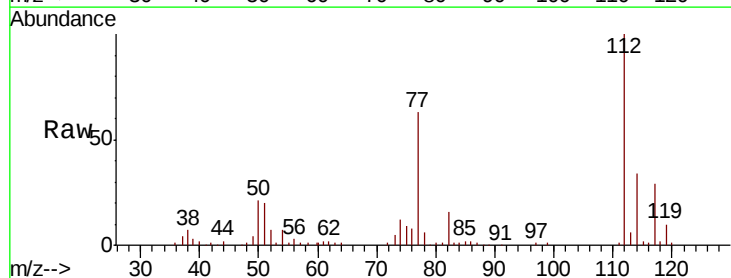
Instrument :
MSVOA_U
ClientSampled :

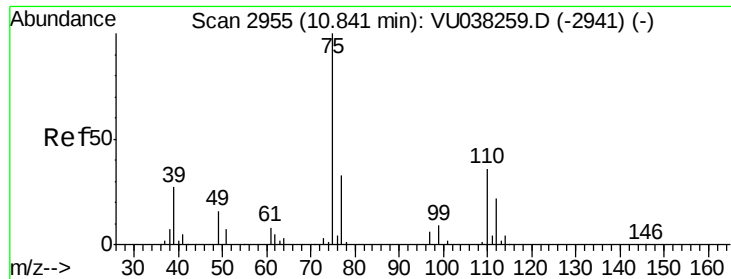
Tot Ion: 43 Resp: 23732
Ion Ratio Lower Upper
43 100
58 47.5 45.2 67.8
57 17.9 15.5 23.3
100 5.0 9.5 14.3#



#51
Chlorobenzene
Concen: 0.903 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038269.D
Acq: 21 May 2020 17:02

Tgt Ion: 112 Resp: 85045
Ion Ratio Lower Upper
112 100
114 34.0 22.5 41.7
77 62.5 49.9 74.9

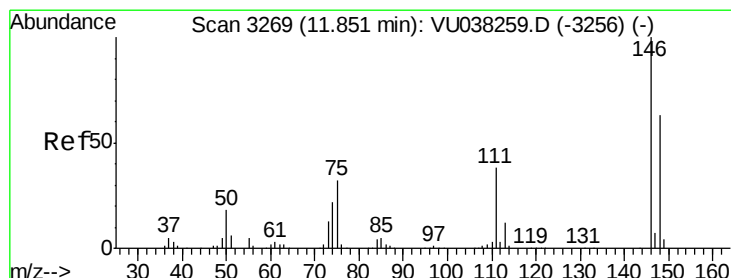
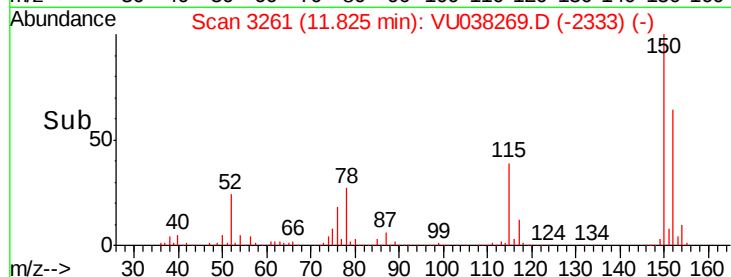
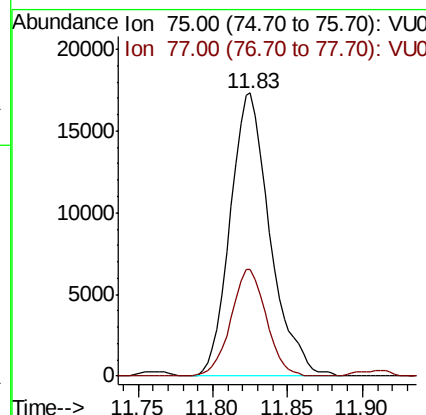
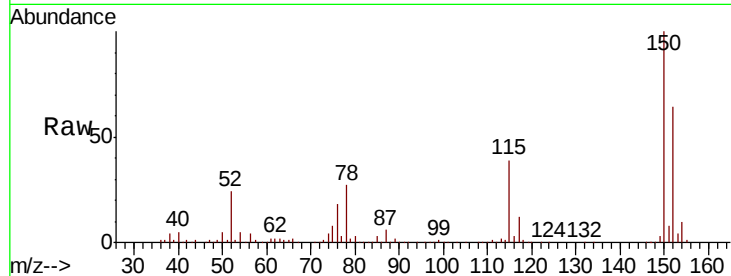




#59
 1,2,3-Trichloropropane
 Concen: 1.227 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU038269.D
 Acq: 21 May 2020 17:02

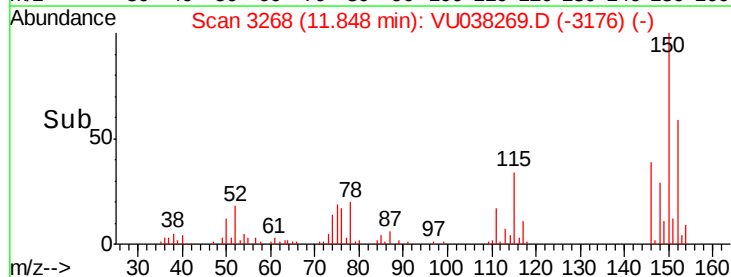
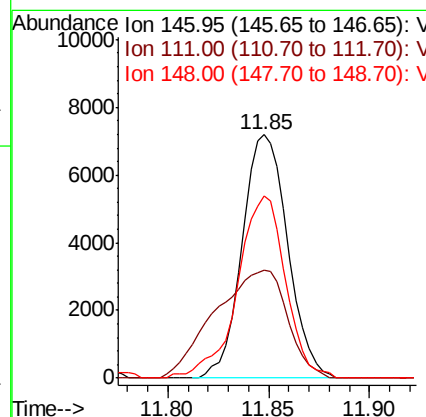
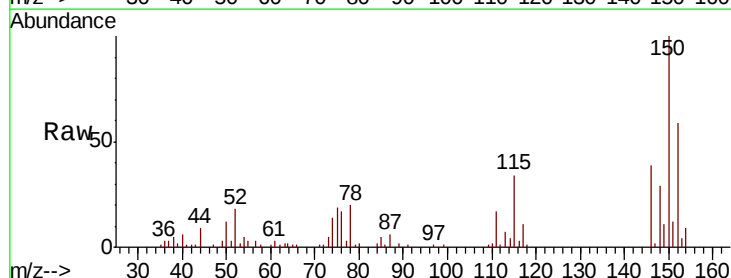
Instrument :
 MSVOA_U
 ClientSampled :

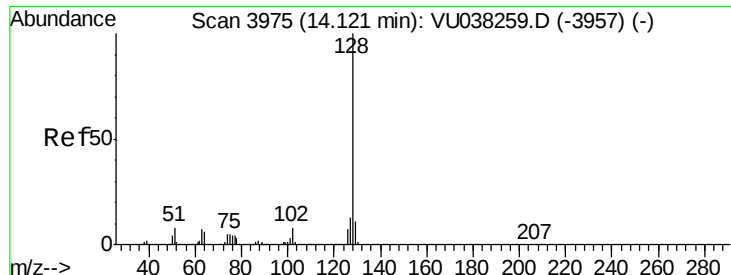
Tot Ion: 75 Resp: 32181
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 0.157 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038269.D
 Acq: 21 May 2020 17:02

Tgt Ion: 146 Resp: 11365
 Ion Ratio Lower Upper
 146 100
 111 44.2 27.2 50.6
 148 74.8 43.8 81.3





#69

Naphthalene

Concen: 0.495 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038269.D

Acq: 21 May 2020 17:02

Instrument :

MSVOA_U

ClientSampleId :

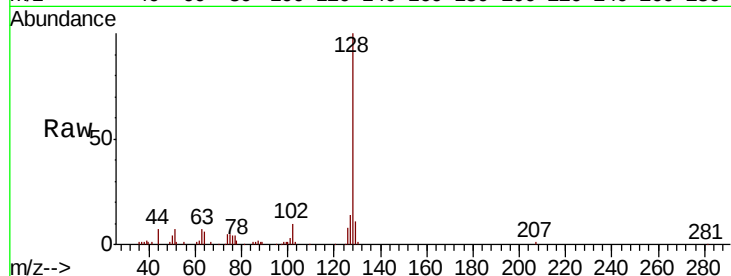
Tot Ion:128 Resp: 49001

Ion Ratio Lower Upper

128 100

129 10.0 8.7 13.1

127 12.7 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

