

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
 Data File : VU037442.D
 Acq On : 29 Mar 2020 02:29
 Operator : JC/MD
 Sample : L2001-03MD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 30 03:15:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 30 03:07:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	110713	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	104939	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	52241	5.00	ug/L	0.00

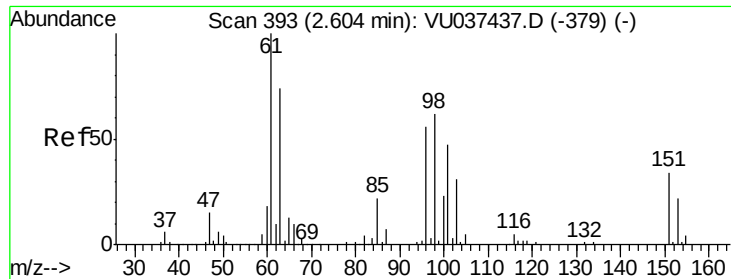
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37158	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.93	69	30362	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.59	63	74870	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.66	46	108850	48.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.74%
24) Chloroform-d	5.10	84	64519	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
26) 1,2-Dichloroethane-d4	5.74	65	43381	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.76	84	147777	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.72	67	49178	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.93	98	140899	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.20	79	21335	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.66	63	96128	51.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.48%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	38743	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	51790	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	32414	4.452	ug/L	92
21) 2-Butanone	4.85	43	9210	4.233	ug/L #	47
25) Chloroform	5.13	83	20740	1.385	ug/L	95
31) Carbon tetrachloride	5.57	117	10781	0.947	ug/L	95
33) Benzene	5.81	78	148159	4.768	ug/L	100
34) Trichloroethene	6.57	95	40832	4.613	ug/L	98
35) Methylcyclohexane	6.73	83	11178	0.798	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	5538	0.689	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	1470	0.112	ug/L #	45
42) Toluene	8.00	91	162127	4.841	ug/L	100
51) Chlorobenzene	9.47	112	101947	4.406	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	7488	1.340	ug/L	93

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



#12

1,1-Dichloroethene

Concen: 4.452 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037442.D

Acq: 29 Mar 2020 02:29

Instrument :

MSVOA_U

ClientSampled :

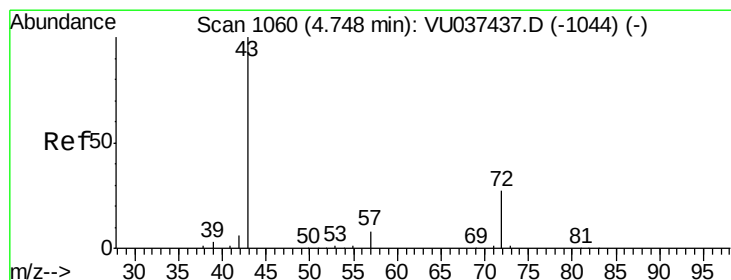
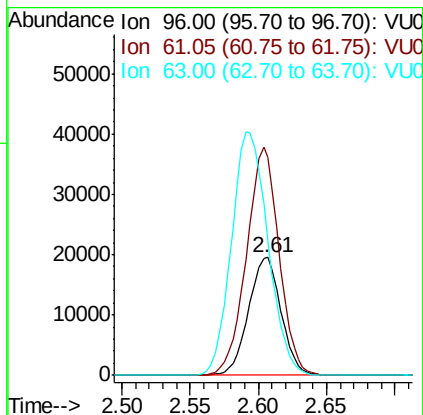
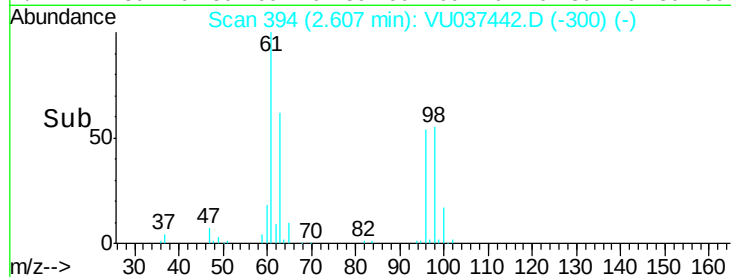
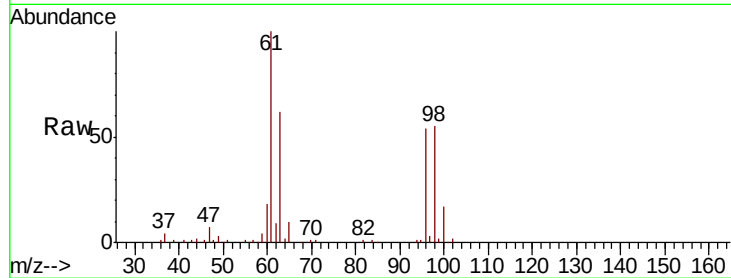
Tot Ion: 96 Resp: 32414

Ion Ratio Lower Upper

96 100

61 185.7 125.4 232.8

63 115.0 90.9 168.7



#21

2-Butanone

Concen: 4.233 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.10 min

Lab File: VU037442.D

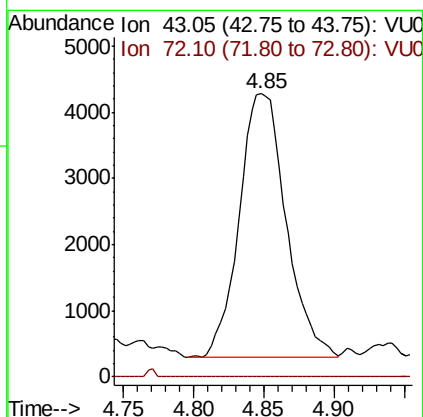
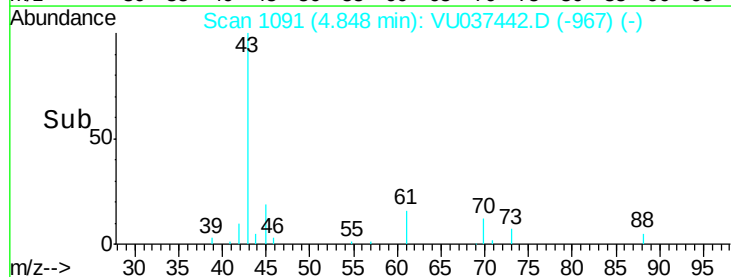
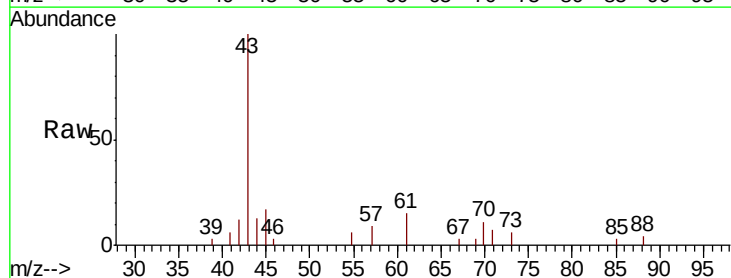
Acq: 29 Mar 2020 02:29

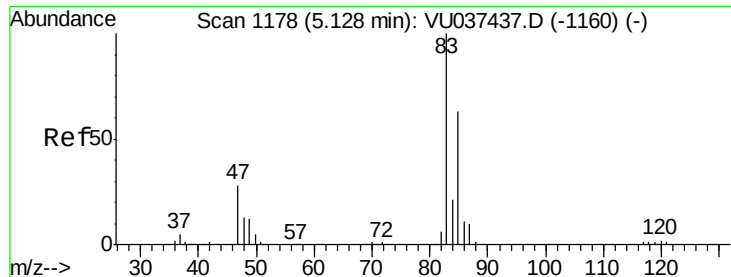
Tgt Ion: 43 Resp: 9210

Ion Ratio Lower Upper

43 100

72 0.5 14.2 42.6#

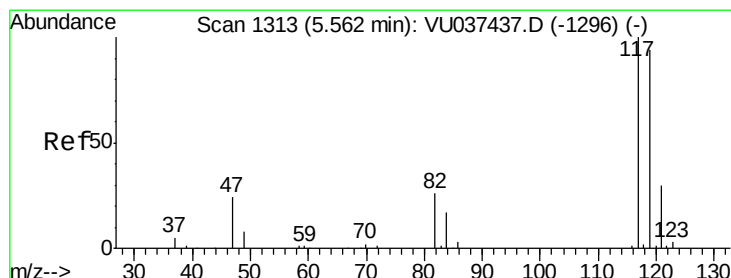
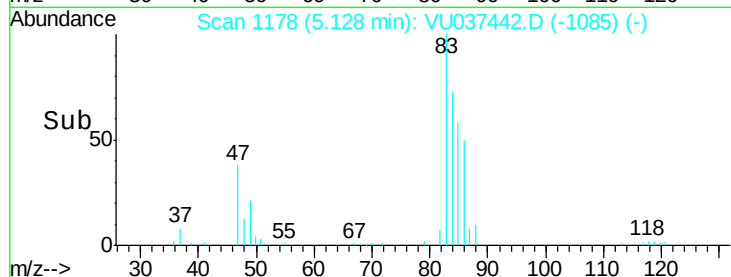
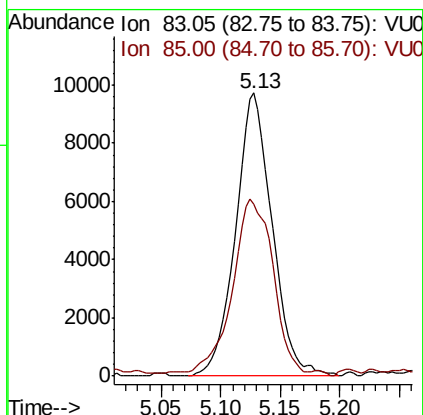
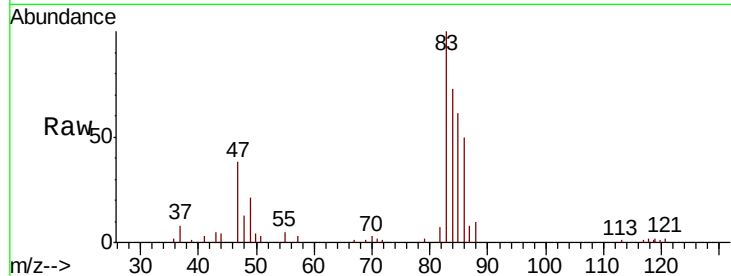




#25
Chloroform
Concen: 1.385 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037442.D
Acq: 29 Mar 2020 02:29

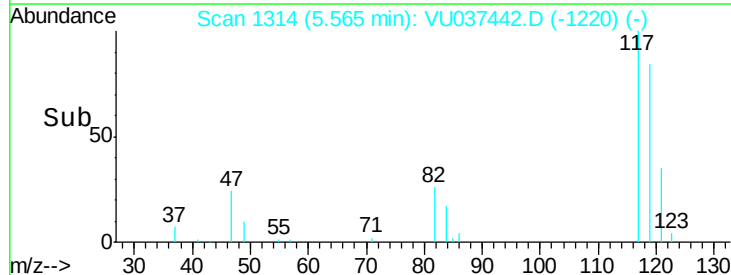
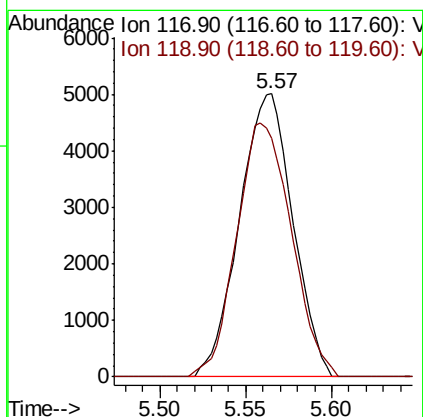
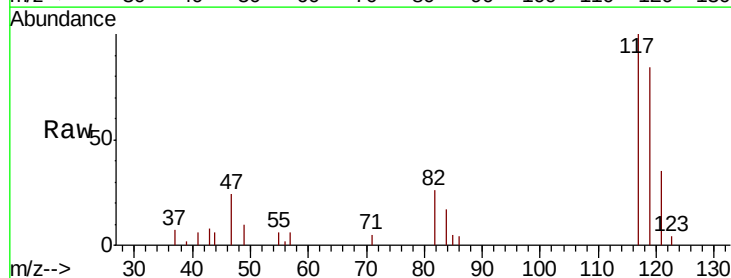
Instrument :
MSVOA_U
ClientSampled :

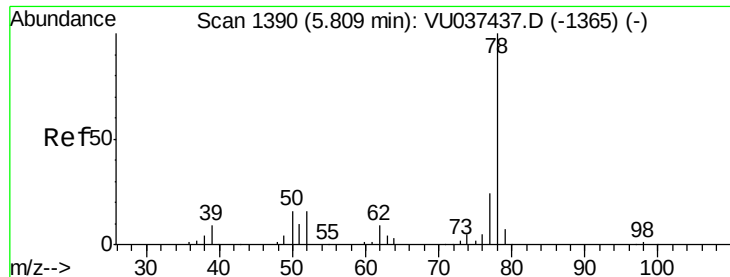
Tot Ion: 83 Resp: 20740
Ion Ratio Lower Upper
83 100
85 60.8 45.4 84.4



#31
Carbon tetrachloride
Concen: 0.947 ug/L
RT: 5.57 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VU037442.D
Acq: 29 Mar 2020 02:29

Tgt Ion: 117 Resp: 10781
Ion Ratio Lower Upper
117 100
119 92.1 77.7 116.5





#33

Benzene

Concen: 4.768 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037442.D

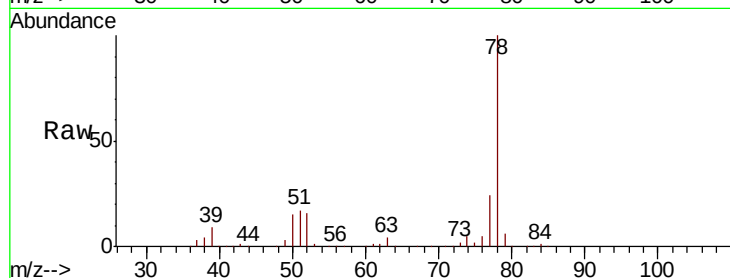
Acq: 29 Mar 2020 02:29

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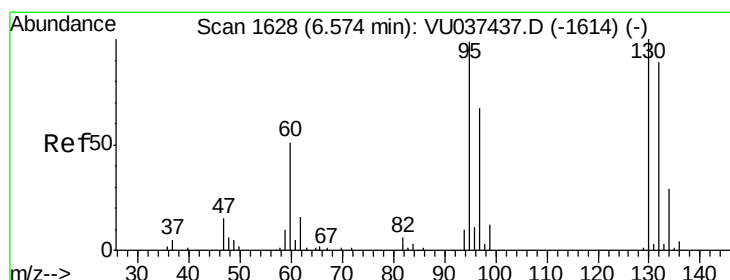
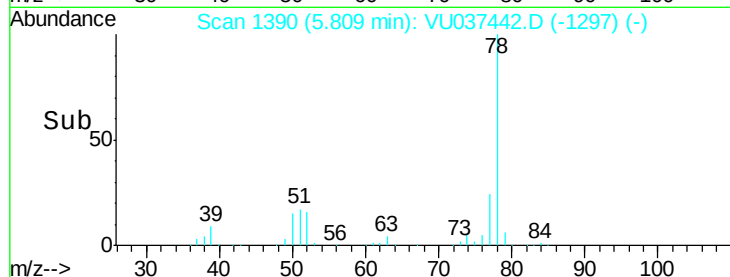
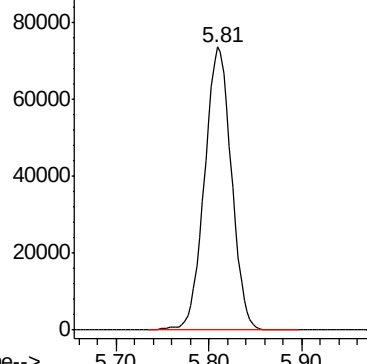
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 148159



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.613 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037442.D

Acq: 29 Mar 2020 02:29

Tgt Ion: 95 Resp: 40832

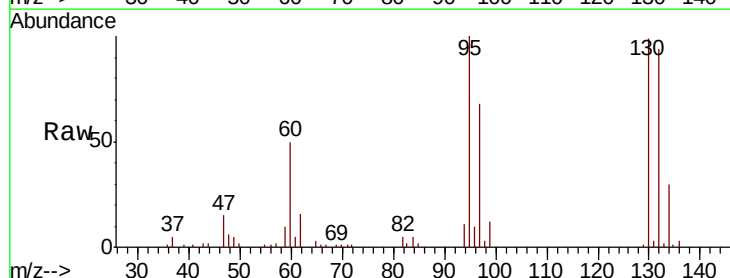
Ion	Ratio	Lower	Upper
95	100		
97	67.5	45.3	84.1
132	93.6	62.7	116.5
130	98.5	69.1	128.3

95 100

97 67.5 45.3 84.1

132 93.6 62.7 116.5

130 98.5 69.1 128.3

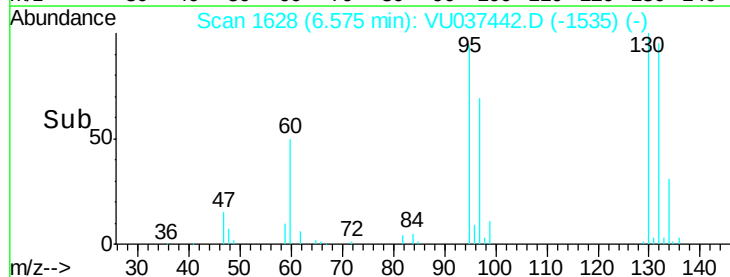
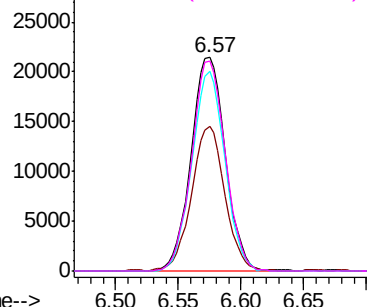


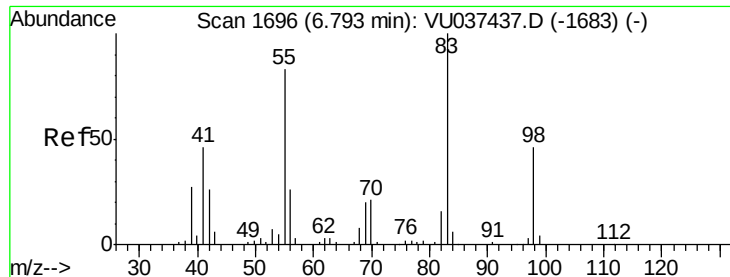
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

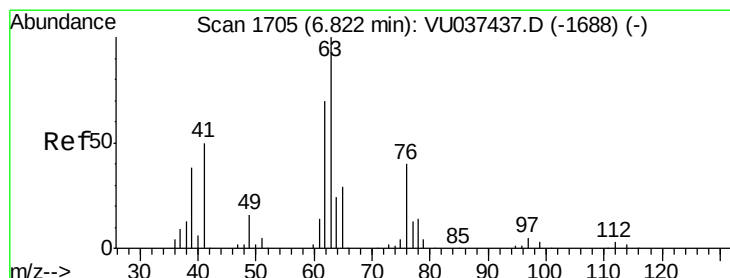
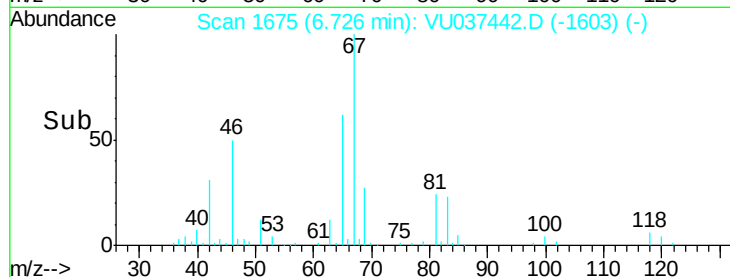
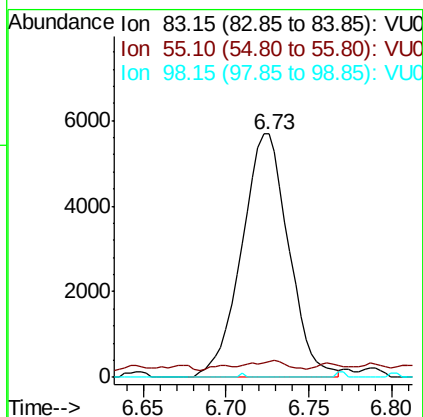
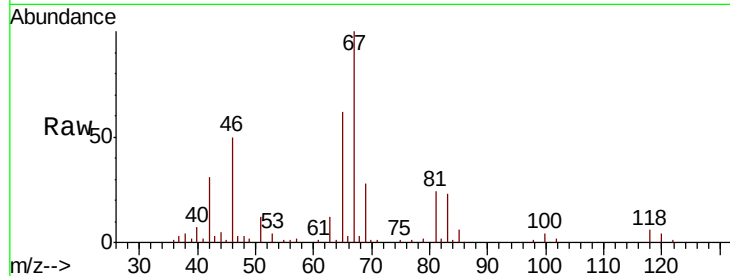




#35
Methylvlcyclohexane
Concen: 0.798 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU037442.D
Acq: 29 Mar 2020 02:29

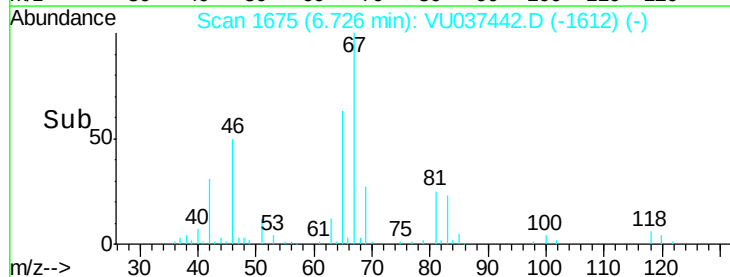
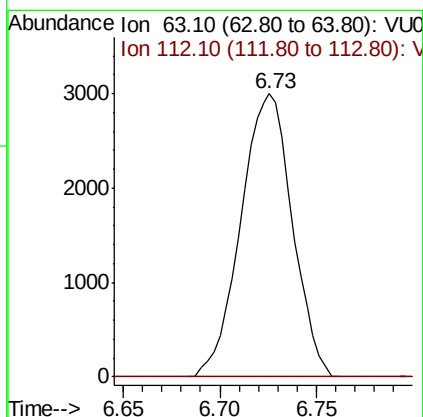
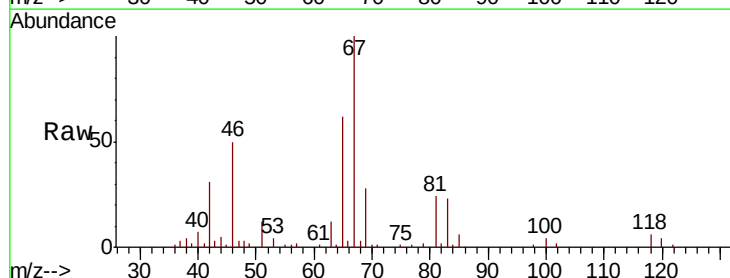
Instrument :
MSVOA_U
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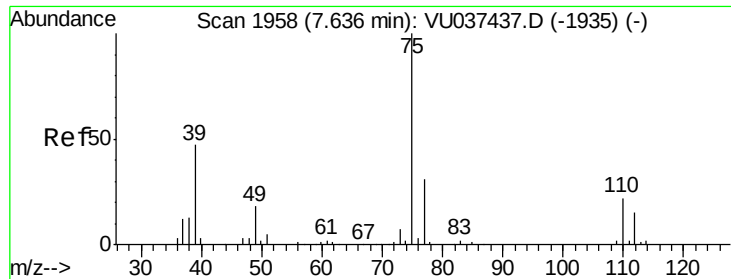
Tot Ion: 83 Resp: 11178
Ion Ratio Lower Upper
83 100
55 2.3 64.2 96.4#
98 0.0 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 0.689 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU037442.D
Acq: 29 Mar 2020 02:29

Tgt Ion: 63 Resp: 5538
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#

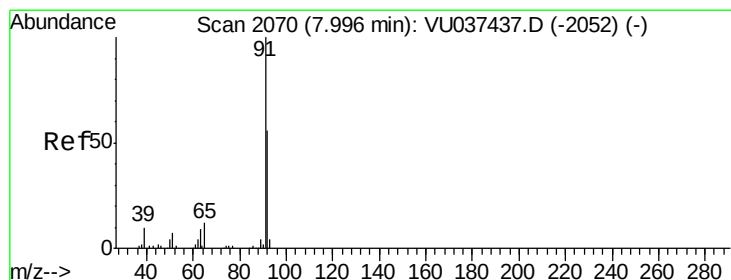
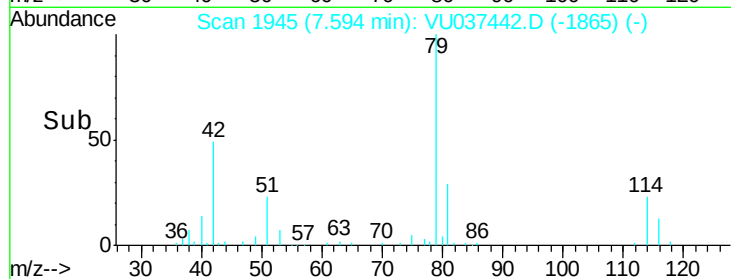
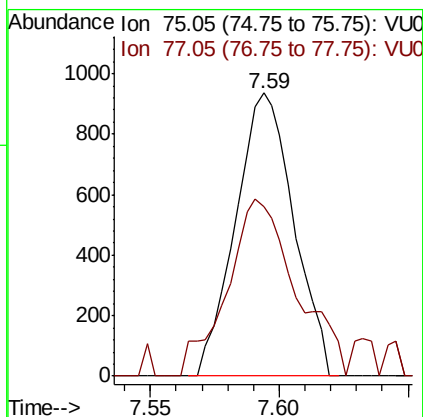
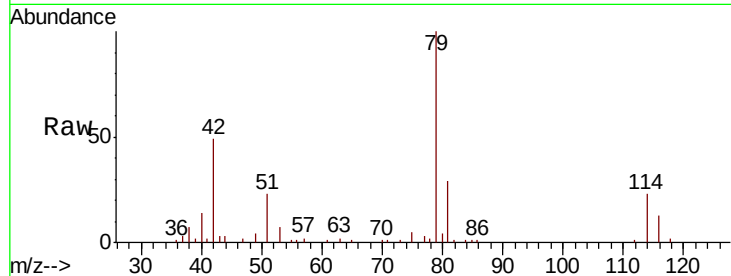




#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037442.D
 Acq: 29 Mar 2020 02:29

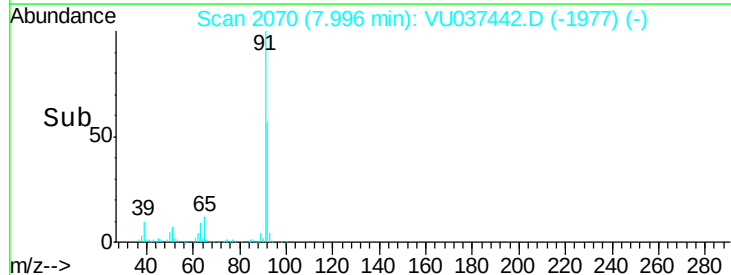
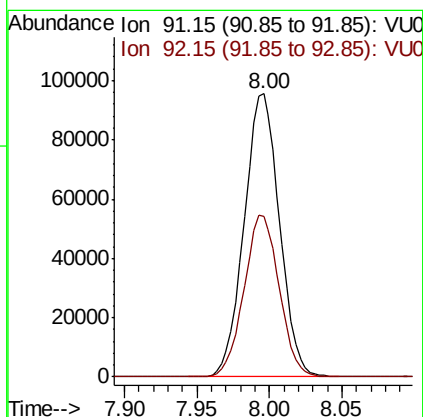
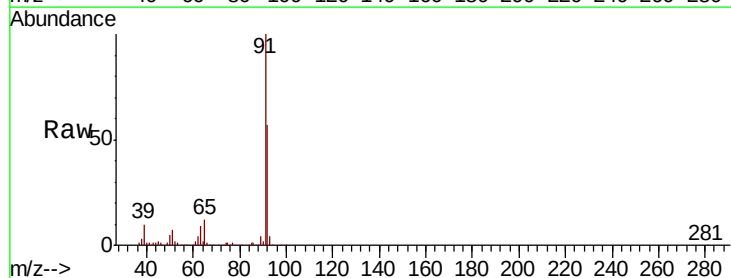
Instrument :
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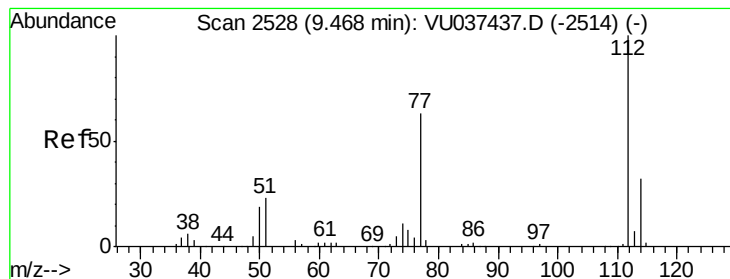
Tot Ion: 75 Resp: 1470
 Ion Ratio Lower Upper
 75 100
 77 59.9 21.1 39.3#



#42
 Toluene
 Concen: 4.841 ug/L
 RT: 8.00 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VU037442.D
 Acq: 29 Mar 2020 02:29

Tgt Ion: 91 Resp: 162127
 Ion Ratio Lower Upper
 91 100
 92 56.8 39.8 73.8





#51

Chlorobenzene

Concen: 4.406 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037442.D

Acq: 29 Mar 2020 02:29

Instrument :

MSVOA_U

ClientSampleId :

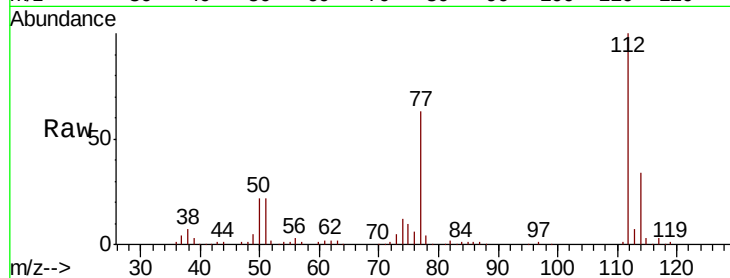
Tot Ion:112 Resp: 101947

Ion Ratio Lower Upper

112 100

114 34.1 22.4 41.6

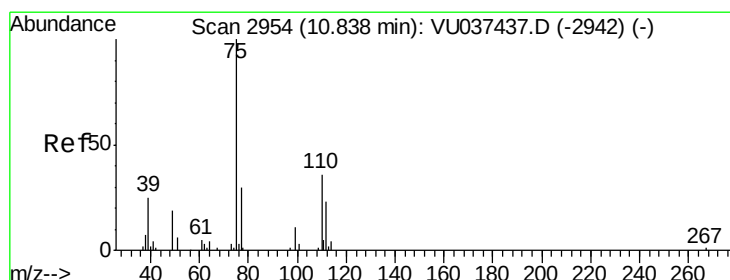
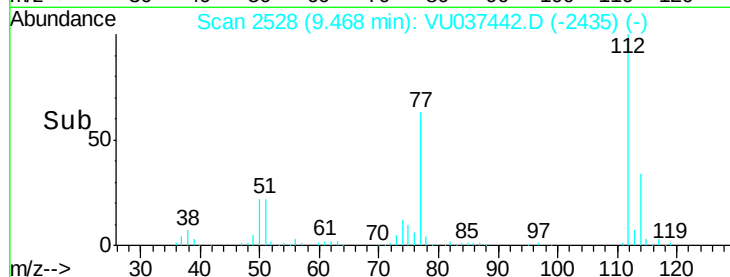
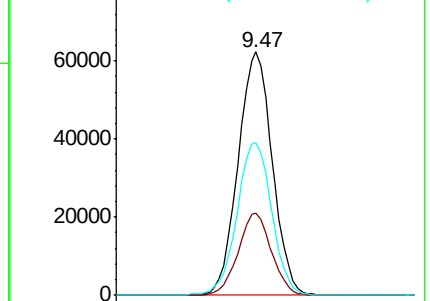
77 62.9 50.5 75.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 1.340 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037442.D

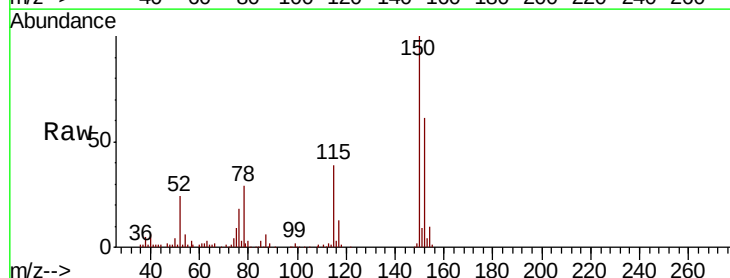
Acq: 29 Mar 2020 02:29

Tgt Ion: 75 Resp: 7488

Ion Ratio Lower Upper

75 100

77 38.4 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

