

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091020\
 Data File : VU040091.D
 Acq On : 10 Sep 2020 19:11
 Operator : SY/MD
 Sample : L3961-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y34

Quant Time: Sep 11 01:58:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 11 01:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	100256	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105101	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45684	5.00	ug/L	0.00

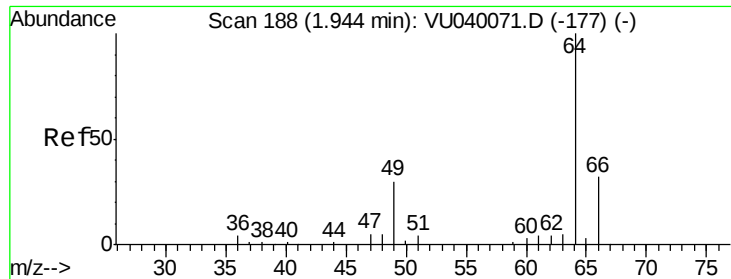
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30142	5.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.20%
7) Chloroethane-d5	1.92	69	24301	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.58	63	48246	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	4.65	46	98704	45.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.16%
24) Chloroform-d	5.08	84	59171	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.72	65	36354	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.75	84	109424	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.70	67	35730	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.91	98	91615	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.19	79	13396	3.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.20%
46) 2-Hexanone-d5	8.64	63	71842	40.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	31767	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	34529	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.70	64	61602	10.614	ug/L #	51
13) Acetone	2.66	43	66507	32.814	ug/L	96
14) Carbon disulfide	2.81	76	1810	0.073	ug/L #	75
15) Methyl Acetate	2.83	43	75223	14.787	ug/L #	54
17) Methyl tert-butyl Ether	3.38	73	3948	0.169	ug/L #	88
19) 1,1-Dichloroethane	3.89	63	36298	2.113	ug/L	97
21) 2-Butanone	4.73	43	4539	1.372	ug/L	84
27) 1,2-Dichloroethane	5.81	62	6375	0.495	ug/L #	90
33) Benzene	5.79	78	21306	0.567	ug/L	100
34) Trichloroethene	6.26	95	1901	0.188	ug/L #	9
35) Methylcyclohexane	6.71	83	8586	0.556	ug/L #	15
37) 1,2-Dichloropropane	6.71	63	4319	0.424	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1125	0.075	ug/L #	74
59) 1,2,3-Trichloropropane	10.52	75	1251	0.166	ug/L #	44

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



#8

Chloroethane

Concen: 10.614 ug/L

RT: 1.70 min Scan# 113

Delta R.T. -0.24 min

Lab File: VU040091.D

Acq: 10 Sep 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

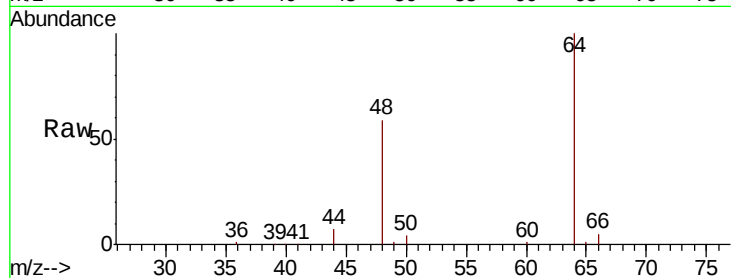
F4Y34

Tot Ion: 64 Resp: 61602

Ion Ratio Lower Upper

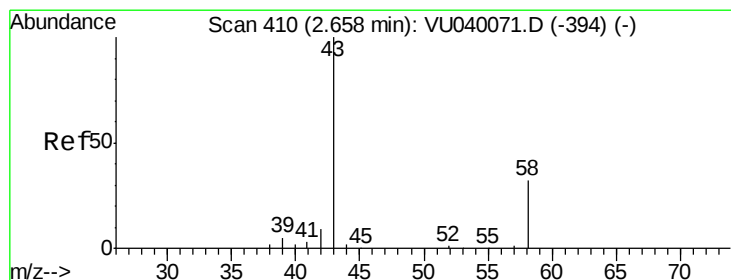
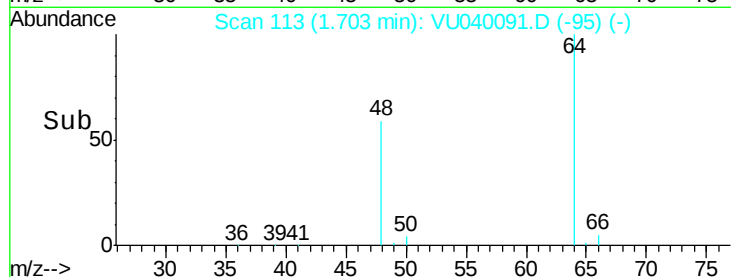
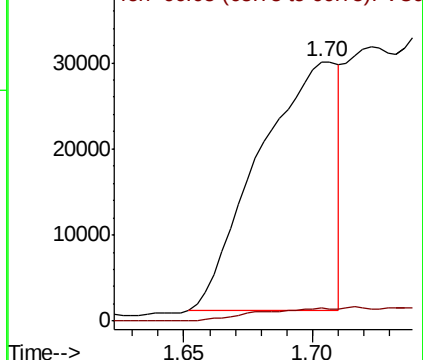
64 100

66 4.9 22.7 42.1#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#13

Acetone

Concen: 32.814 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040091.D

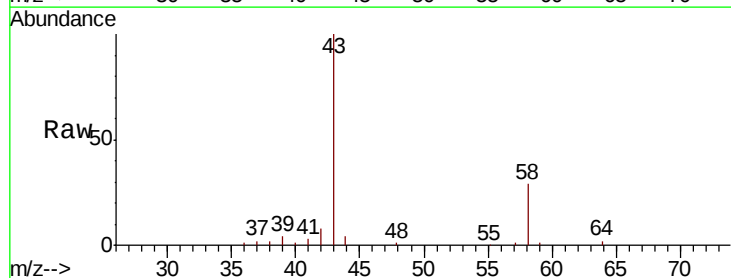
Acq: 10 Sep 2020 19:11

Tgt Ion: 43 Resp: 66507

Ion Ratio Lower Upper

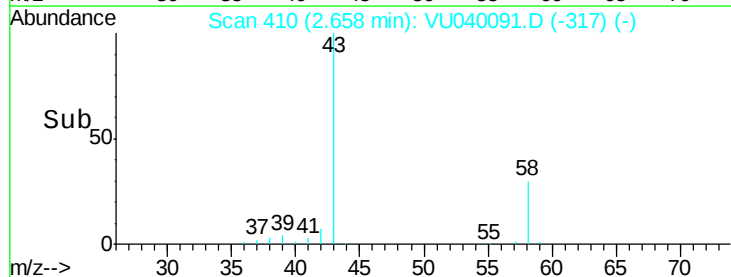
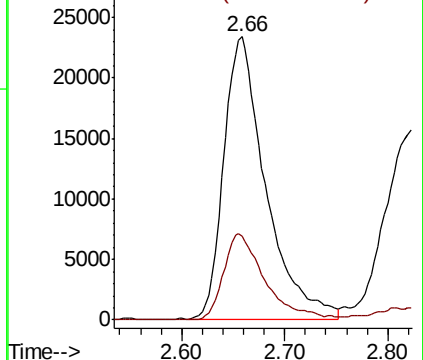
43 100

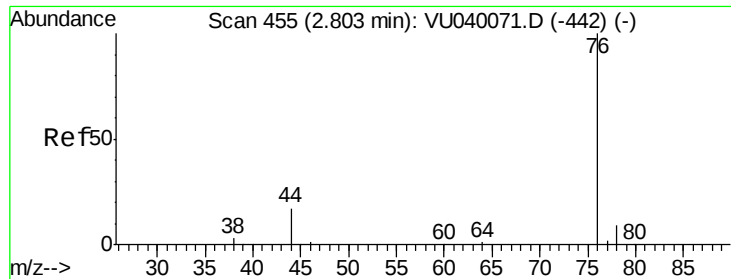
58 29.8 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

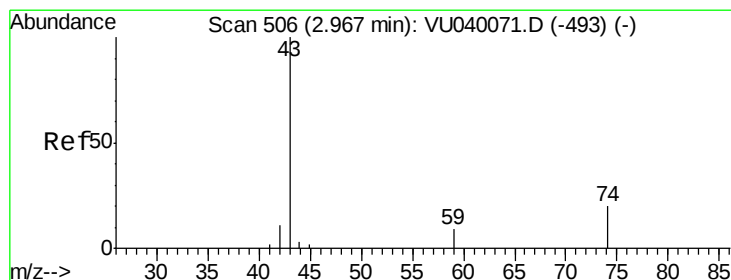
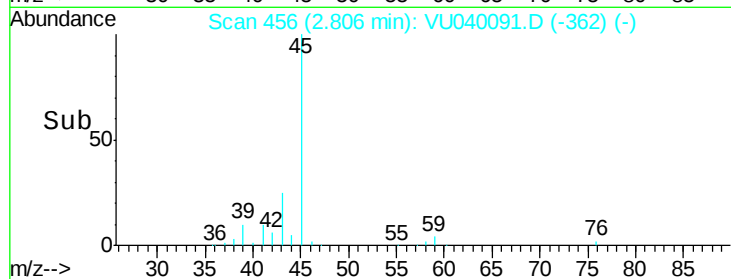
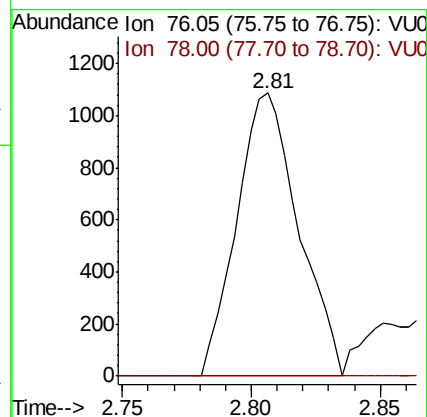
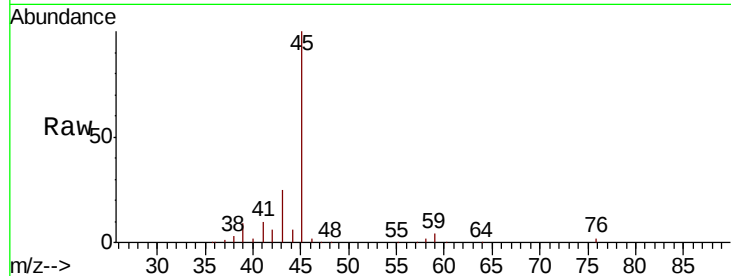




#14
Carbon disulfide
Concen: 0.073 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU040091.D
Acq: 10 Sep 2020 19:11

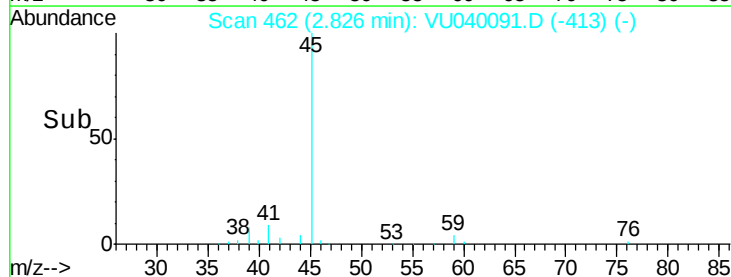
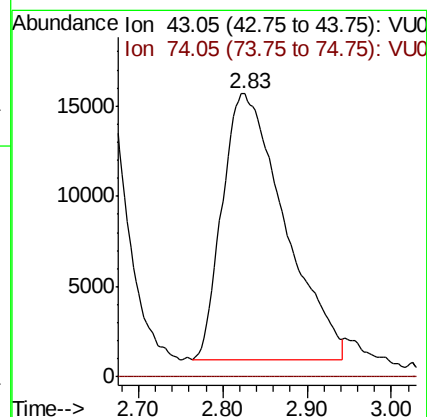
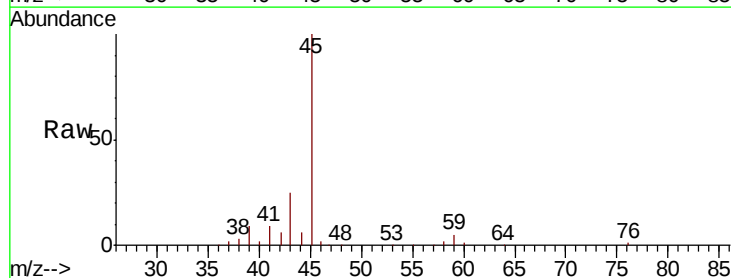
Instrument :
MSVOA_U
ClientSampleId :
F4Y34

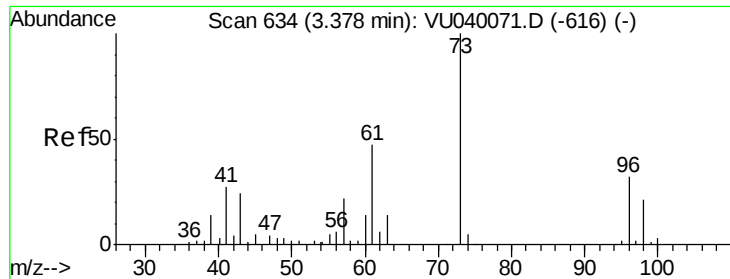
Tot Ion: 76 Resp: 1810
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#15
Methyl Acetate
Concen: 14.787 ug/L
RT: 2.83 min Scan# 462
Delta R.T. -0.14 min
Lab File: VU040091.D
Acq: 10 Sep 2020 19:11

Tgt Ion: 43 Resp: 75223
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#

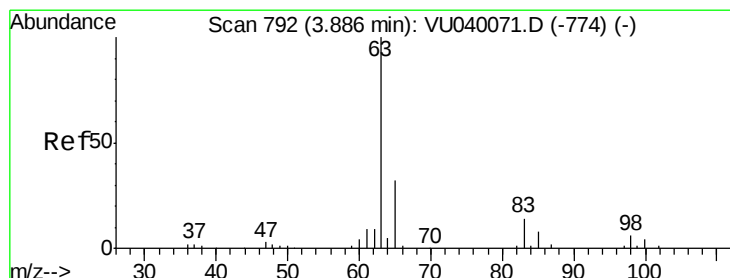
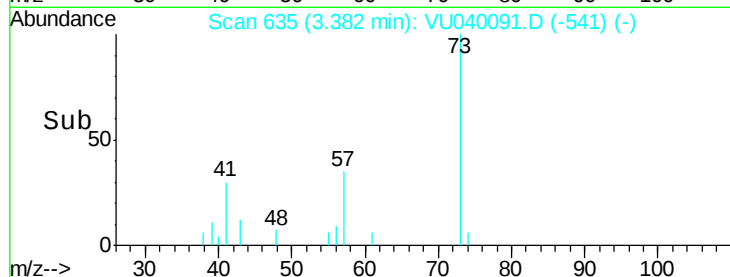
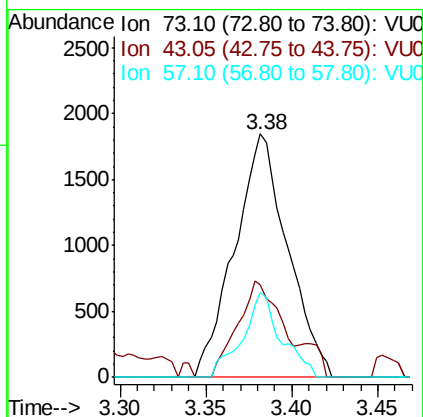
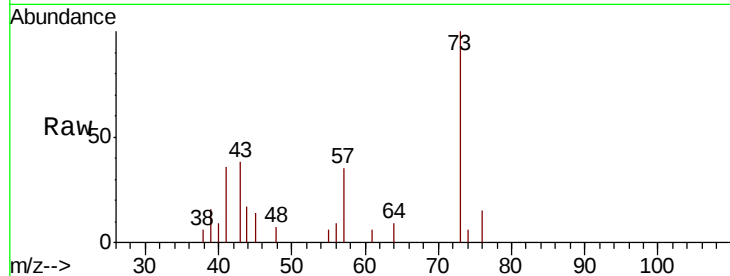




#17
Methvl tert-butvl Ether
Concen: 0.169 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040091.D
Acq: 10 Sep 2020 19:11

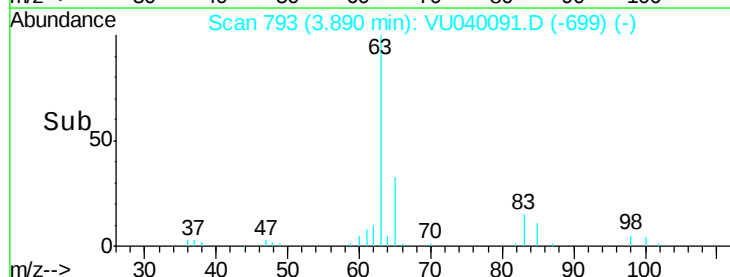
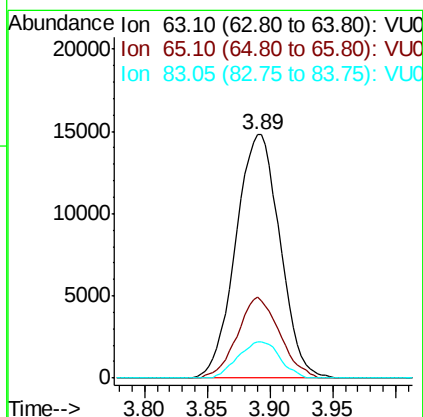
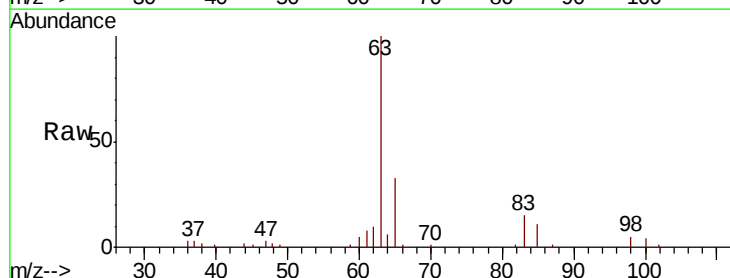
Instrument :
MSVOA_U
ClientSampleId :
F4Y34

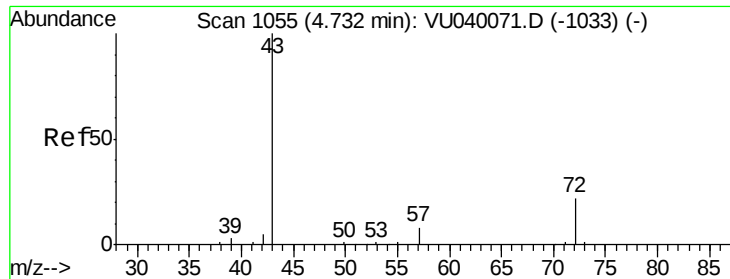
Tot Ion: 73 Resp: 3948
Ion Ratio Lower Upper
73 100
43 32.7 19.1 28.7#
57 25.5 18.3 27.5



#19
1,1-Dichloroethane
Concen: 2.113 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU040091.D
Acq: 10 Sep 2020 19:11

Tgt Ion: 63 Resp: 36298
Ion Ratio Lower Upper
63 100
65 33.1 22.2 41.2
83 15.1 9.4 17.6





#21

2-Butanone

Concen: 1.372 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040091.D

Acq: 10 Sep 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

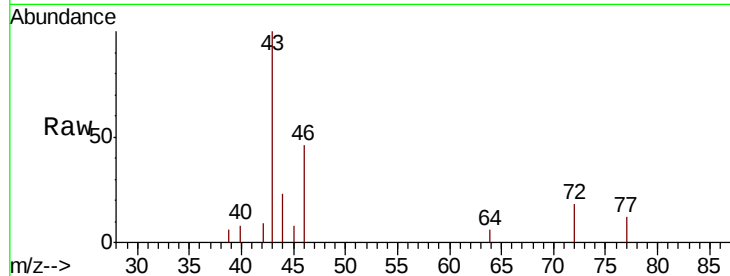
F4Y34

Tot Ion: 43 Resp: 4539

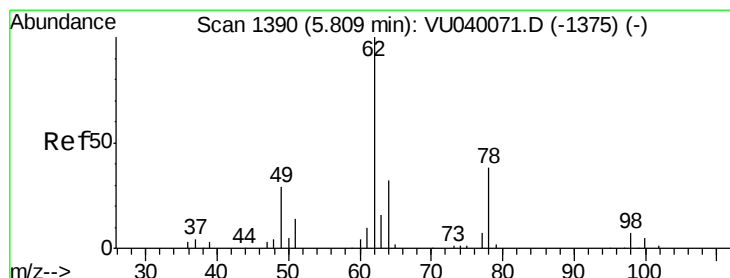
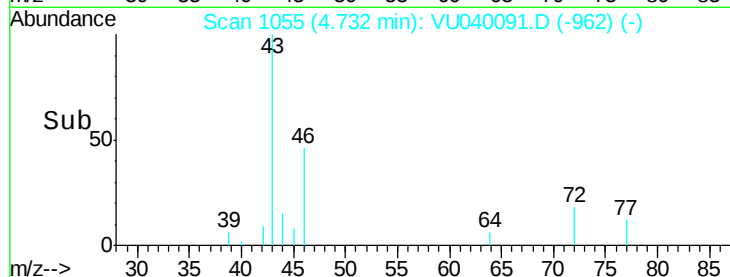
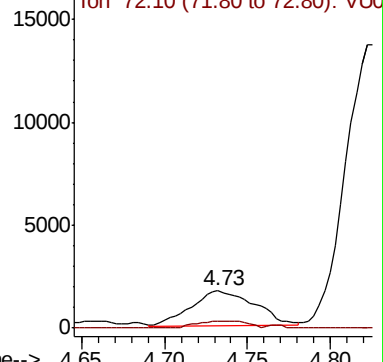
Ion Ratio Lower Upper

43 100

72 15.6 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040091.D (-962) (-)



#27

1,2-Dichloroethane

Concen: 0.495 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU040091.D

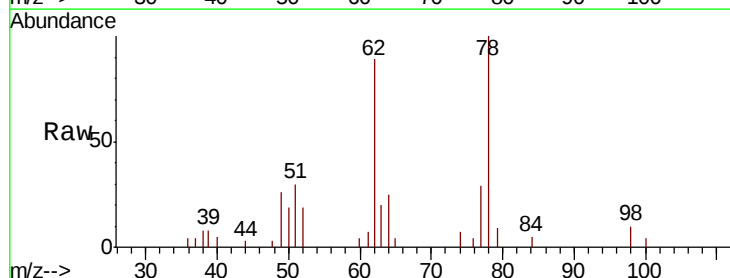
Acq: 10 Sep 2020 19:11

Tgt Ion: 62 Resp: 6375

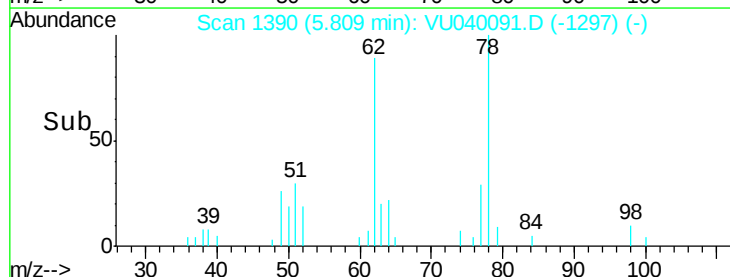
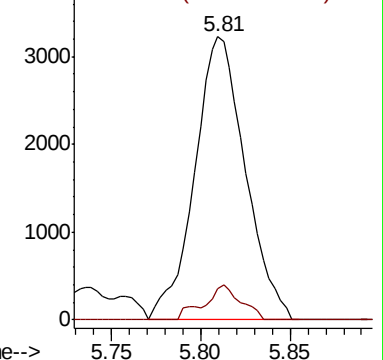
Ion Ratio Lower Upper

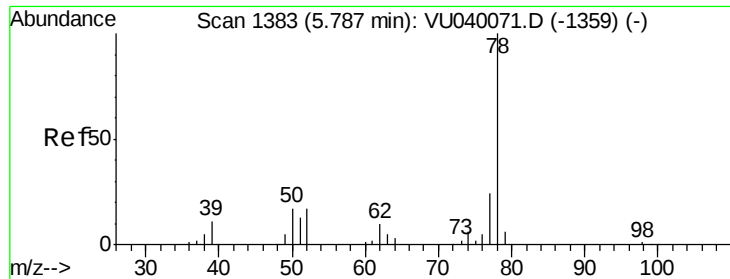
62 100

98 11.0 6.1 9.1#



Abundance Ion 62.00 (61.70 to 62.70): VU040091.D (-1297) (-)





#33

Benzene

Concen: 0.567 ug/L

RT: 5.79 min Scan# 1384

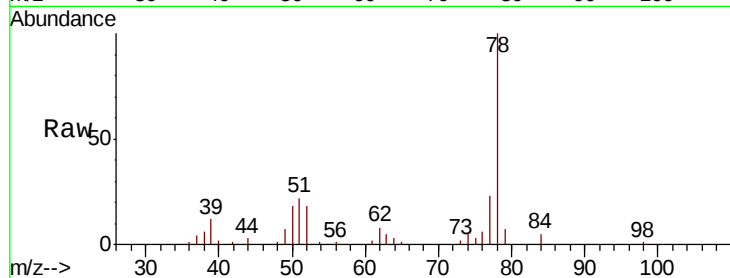
Delta R.T. 0.00 min

Lab File: VU040091.D

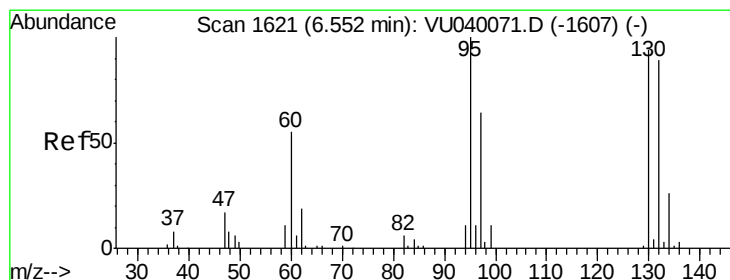
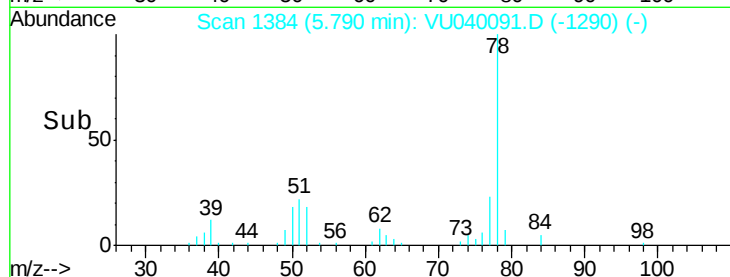
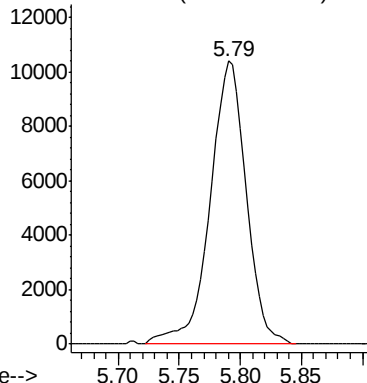
Acq: 10 Sep 2020 19:11

Instrument :
MSVOA_U
ClientSampleId :
F4Y34

Tgt Ion: 78 Resp: 21306



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.188 ug/L

RT: 6.26 min Scan# 1531

Delta R.T. -0.29 min

Lab File: VU040091.D

Acq: 10 Sep 2020 19:11

Tgt Ion: 95 Resp: 1901

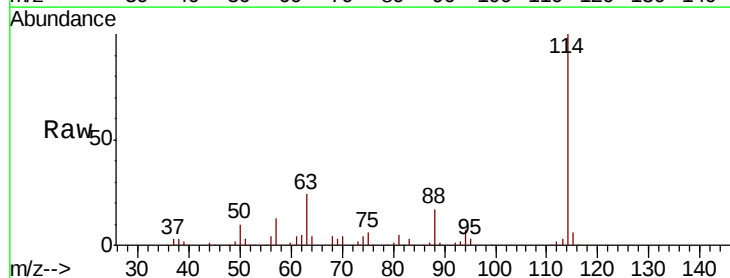
Ion	Ratio	Lower	Upper
95	100		
97	0.0	43.3	80.5#
132	0.0	59.4	110.4#
130	0.0	64.8	120.4#

95 100

97 0.0 43.3 80.5#

132 0.0 59.4 110.4#

130 0.0 64.8 120.4#

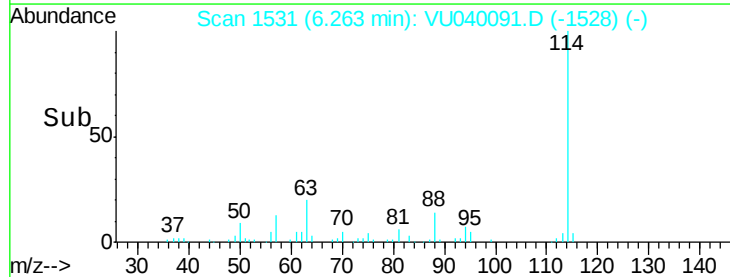
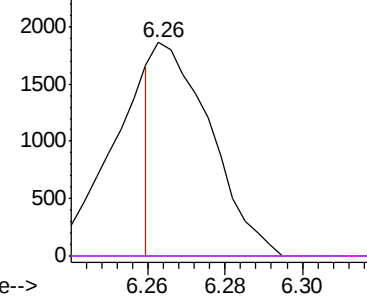


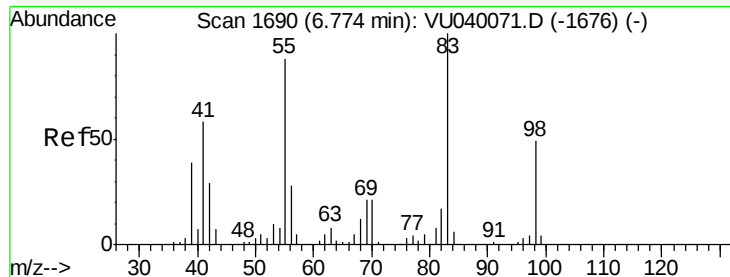
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

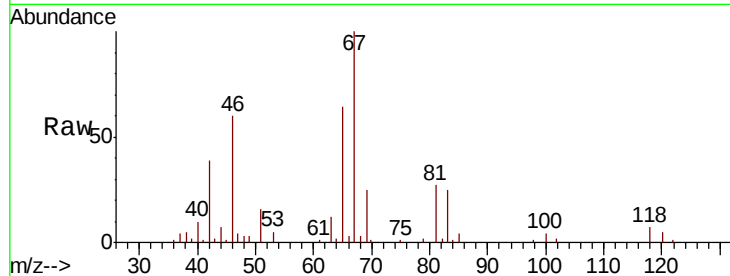




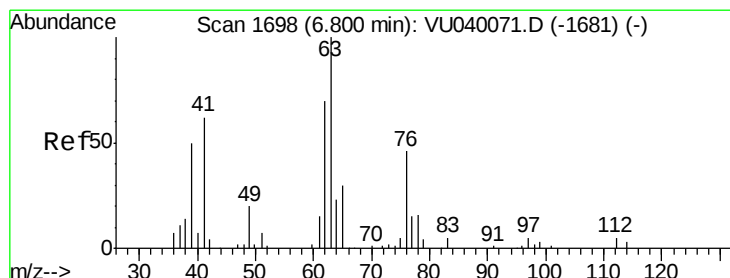
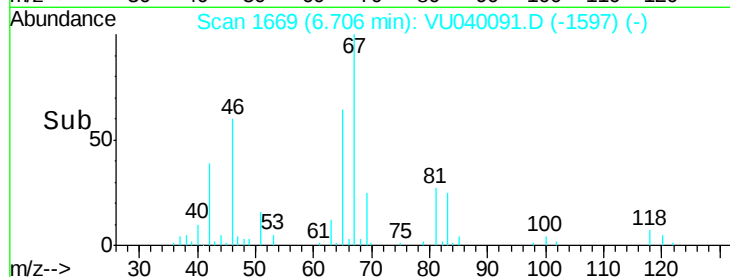
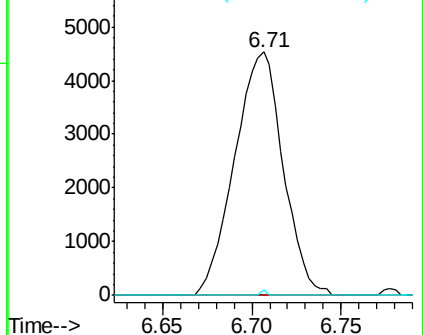
#35
Methvlcvclohexane
Concen: 0.556 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040091.D
Acq: 10 Sep 2020 19:11

Instrument :
MSVOA_U
ClientSampleId :
F4Y34

Tot Ion: 83 Resp: 8586
Ion Ratio Lower Upper
83 100
55 2.0 70.5 105.7#
98 0.2 37.8 56.6#

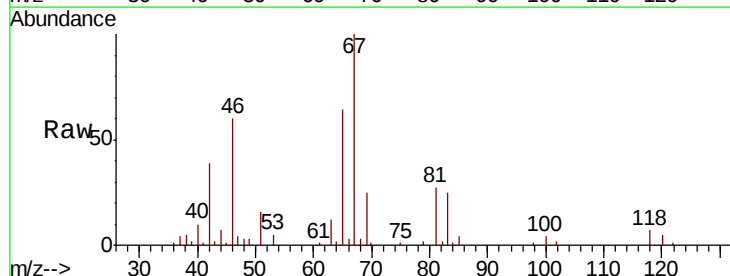


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

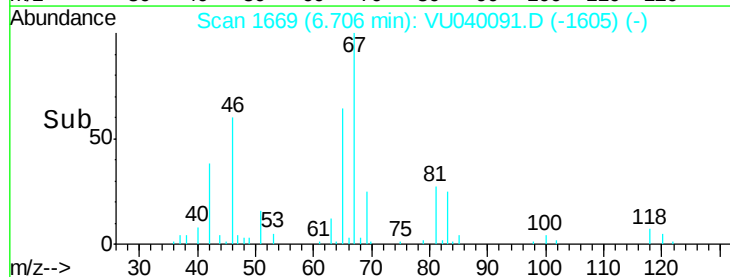
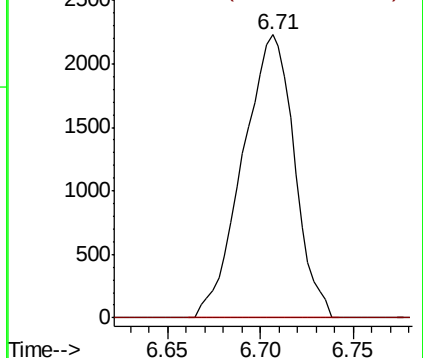


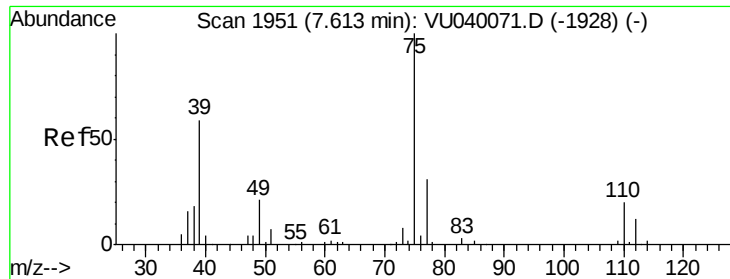
#37
1,2-Dichloropropane
Concen: 0.424 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU040091.D
Acq: 10 Sep 2020 19:11

Tgt Ion: 63 Resp: 4319
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



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: 0.075 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040091.D

Acq: 10 Sep 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

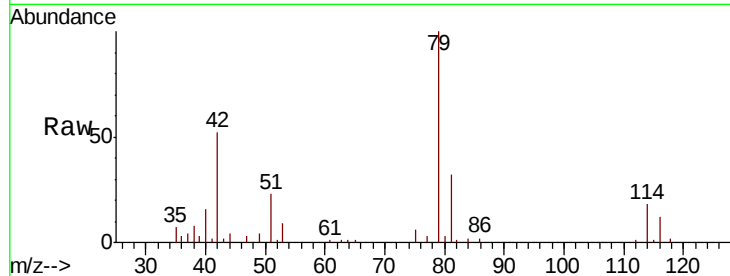
F4Y34

Tot Ion: 75 Resp: 1125

Ion Ratio Lower Upper

75 100

77 44.6 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

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77.05 (76.75 to 77.75): VU0

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77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

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75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

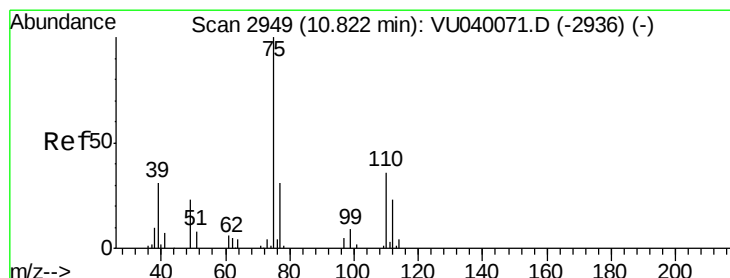
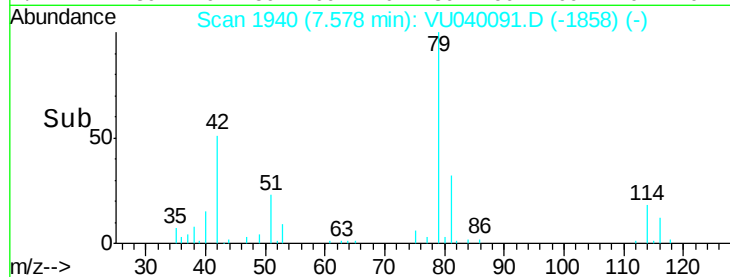
75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

75.05 (74.75 to 75.75): VU0

77.05 (76.75 to 77.75): VU0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.166 ug/L

RT: 10.52 min Scan# 2856

Delta R.T. -0.30 min

Lab File: VU040091.D

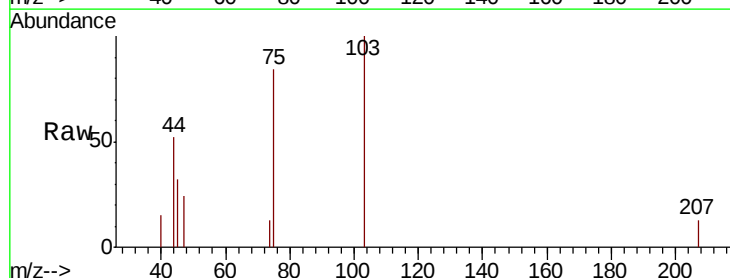
Acq: 10 Sep 2020 19:11

Tgt Ion: 75 Resp: 1251

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

75.00 (74.70 to 75.70): VU0

77.00 (76.70 to 77.70): VU0

75.00 (74.70 to 75.70): VU0

77.00 (76.70 to 77.70): VU0

75.00 (74.70 to 75.70): VU0

77.00 (76.70 to 77.70): VU0

75.00 (74.70 to 75.70): VU0

77.00 (76.70 to 77.70): VU0

75.00 (74.70 to 75.70): VU0

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75.00 (74.70 to 75.70): VU0

77.00 (76.70 to 77.70): VU0

75.00 (74.70 to 75.70): VU0

77.00 (76.70 to 77.70): VU0

Time-->

