

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U053120\
 Data File : VU038440.D
 Acq On : 31 May 2020 02:24
 Operator : JC/MD
 Sample : L2787-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 06:30:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 06:27:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	323098	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	314461	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	150195	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	97968	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.93	69	81871	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.59	63	144965	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	4.68	46	366289	57.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.32%
24) Chloroform-d	5.10	84	202694	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.74	65	118969	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.76	84	407086	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.72	67	124995	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.92	98	343428	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	8.20	79	50098	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.66	63	309285	60.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.66%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109744	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	139762	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3824	0.195	ug/L #	68
12) 1,1-Dichloroethene	2.59	96	1261	0.063	ug/L #	1
13) Acetone	2.68	43	18400	4.426	ug/L	100
15) Methyl Acetate	2.98	43	1773	0.174	ug/L #	60
19) 1,1-Dichloroethane	3.92	63	5239	0.137	ug/L #	82
21) 2-Butanone	4.85	43	236281	33.791	ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	3444	0.149	ug/L	92
25) Chloroform	5.13	83	56336	1.445	ug/L	96
30) Cyclohexane	5.42	56	5953	0.171	ug/L	98
34) Trichloroethene	6.57	95	84402	3.708	ug/L	99
35) Methylcyclohexane	6.72	83	30499	0.866	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	13787	0.625	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3294	0.101	ug/L #	67
47) Tetrachloroethene	8.57	164	2532	0.153	ug/L	83
48) 2-Hexanone	8.70	43	15333	1.283	ug/L #	95
49) Dibromochloromethane	8.57	129	2014	0.112	ug/L #	11
59) 1,2,3-Trichloropropane	11.82	75	19639	1.192	ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 06:27:31 2020
Response via : Initial Calibration

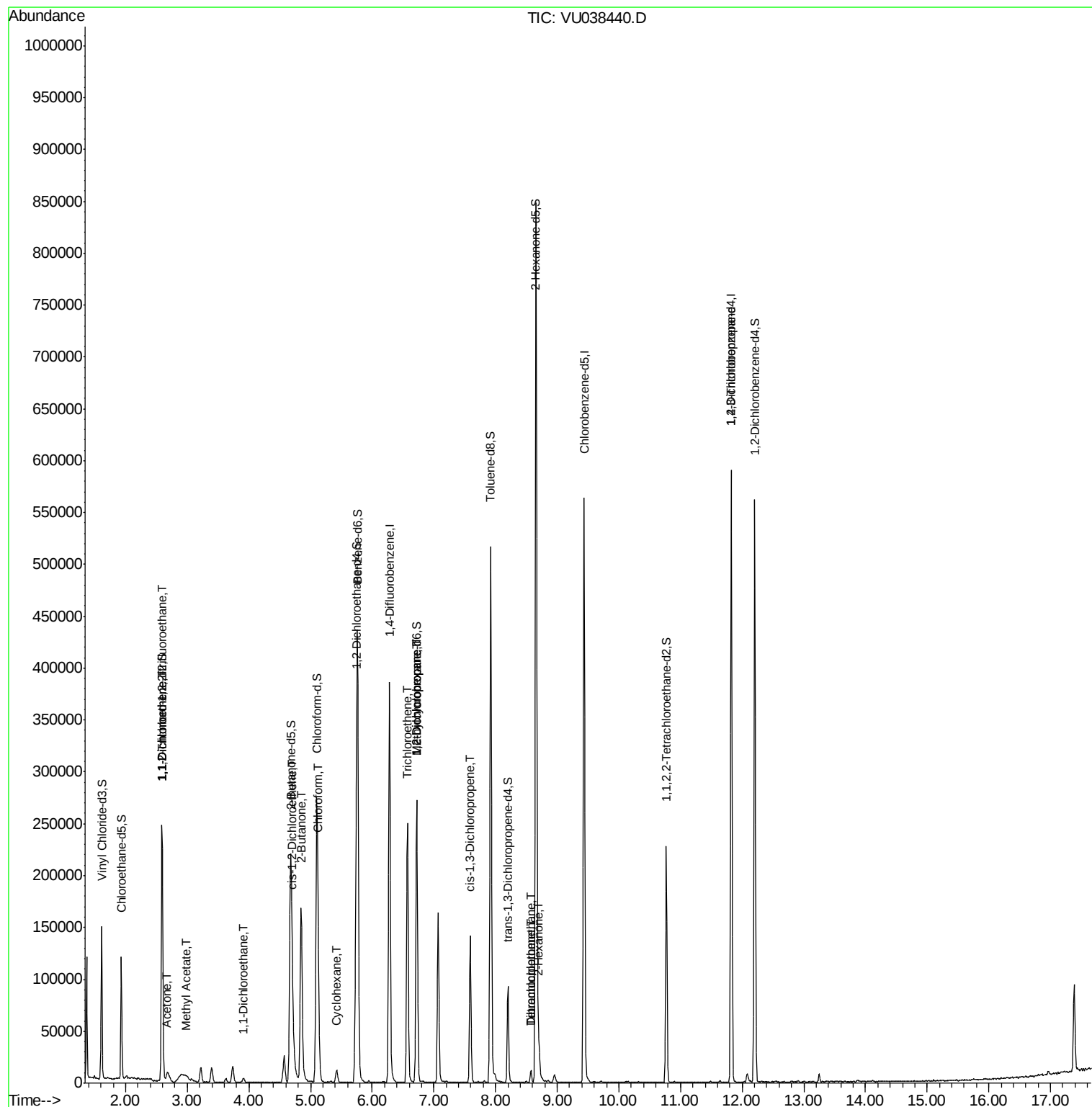
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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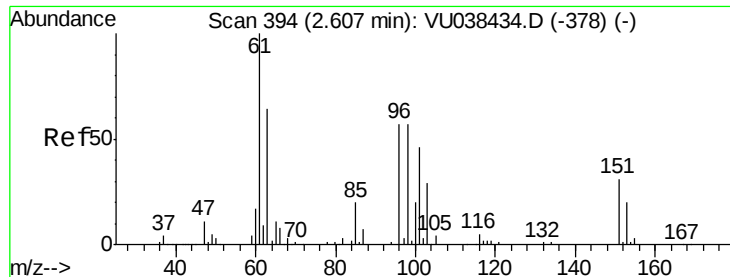
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.195 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038440.D

Acq: 31 May 2020 02:24

Instrument :

MSVOA_U

ClientSampleId :

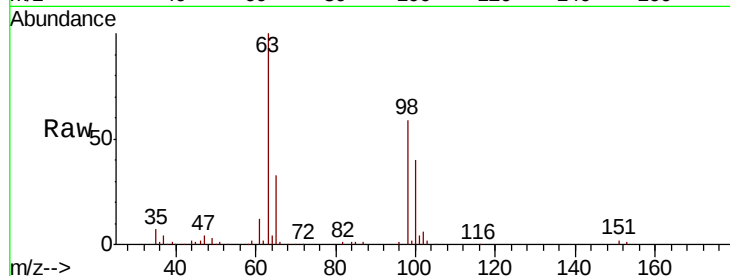
Tot Ion:101 Resp: 3824

Ion Ratio Lower Upper

101 100

85 25.8 34.0 51.0#

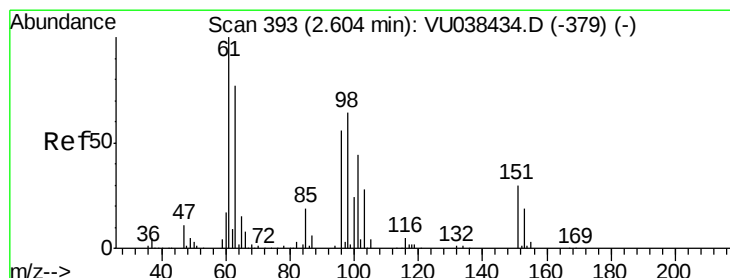
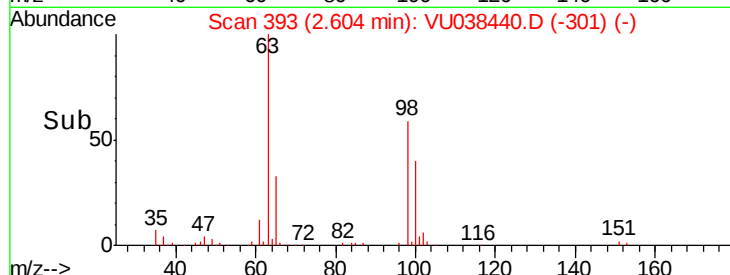
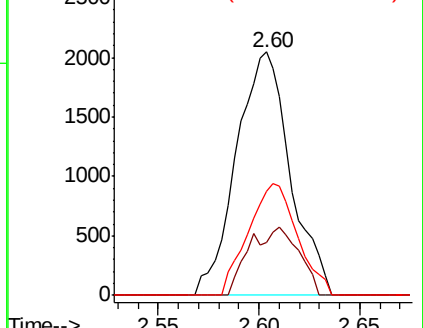
151 41.8 56.9 85.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.063 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038440.D

Acq: 31 May 2020 02:24

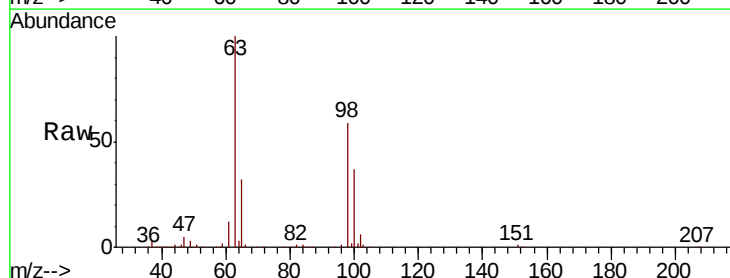
Tgt Ion: 96 Resp: 1261

Ion Ratio Lower Upper

96 100

61 1195.9 119.9 222.7#

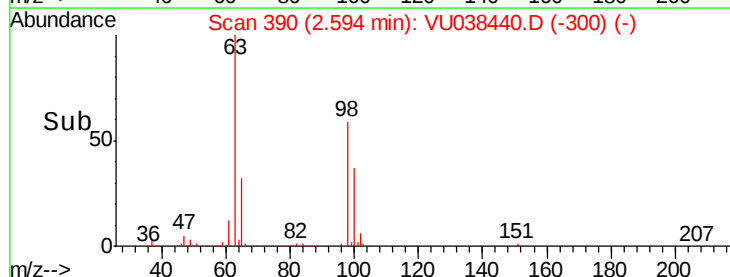
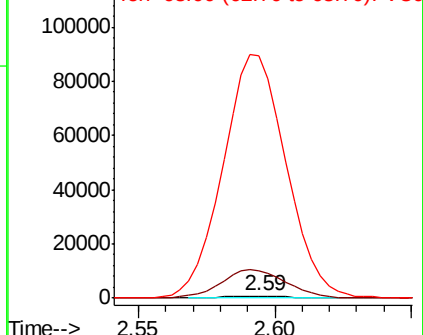
63 10377.7 89.9 167.0#

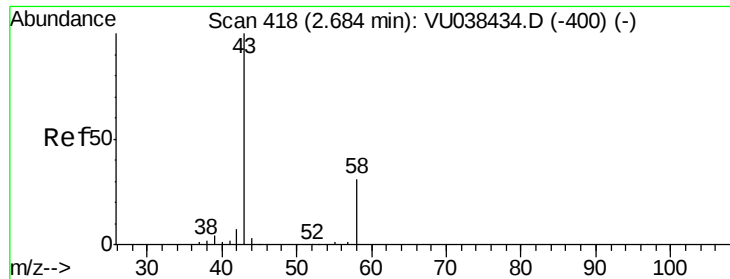


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.426 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU038440.D

Acq: 31 May 2020 02:24

Instrument :

MSVOA_U

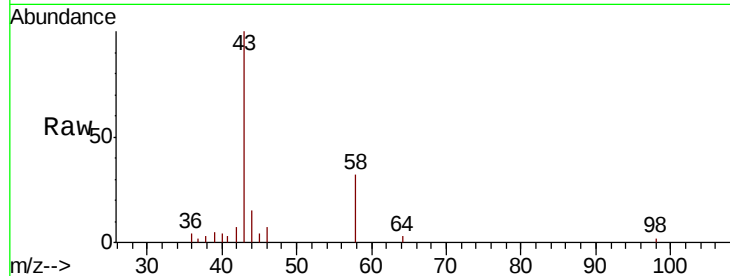
ClientSampleId :

Tot Ion: 43 Resp: 18400

Ion Ratio Lower Upper

43 100

58 32.7 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038440.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038440.D (-400) (-)

2.68

6000

5000

4000

3000

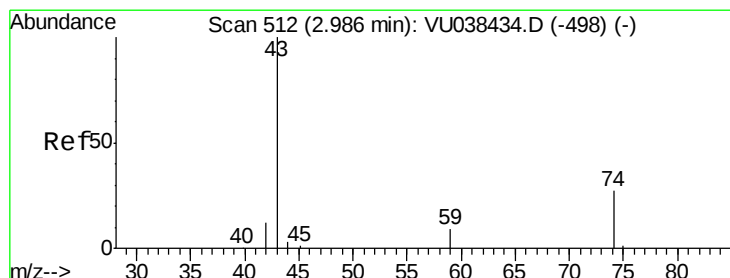
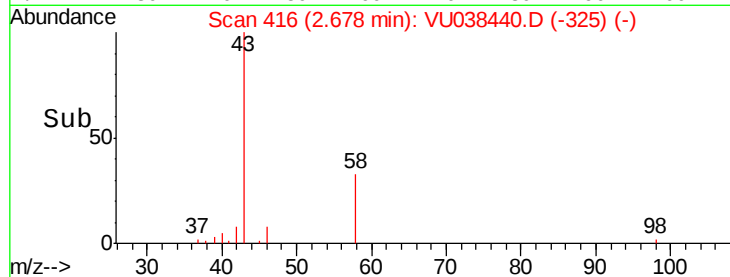
2000

1000

0

2.60 2.65 2.70 2.75 2.80

Time-->



#15

Methyl Acetate

Concen: 0.174 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.00 min

Lab File: VU038440.D

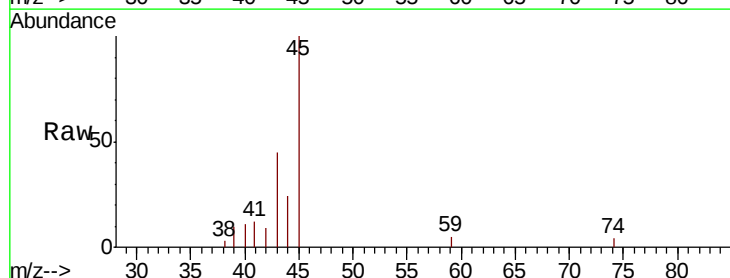
Acq: 31 May 2020 02:24

Tgt Ion: 43 Resp: 1773

Ion Ratio Lower Upper

43 100

74 4.3 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038440.D (-498) (-)

Ion 74.05 (73.75 to 74.75): VU038440.D (-498) (-)

2.98

1500

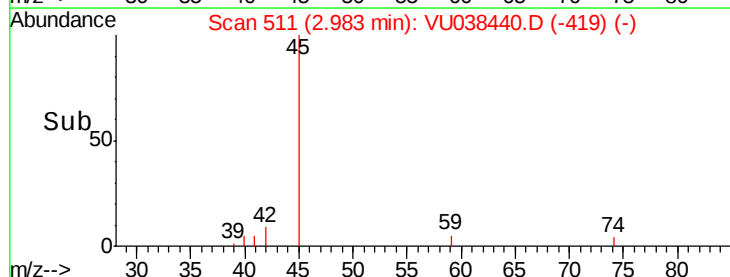
1000

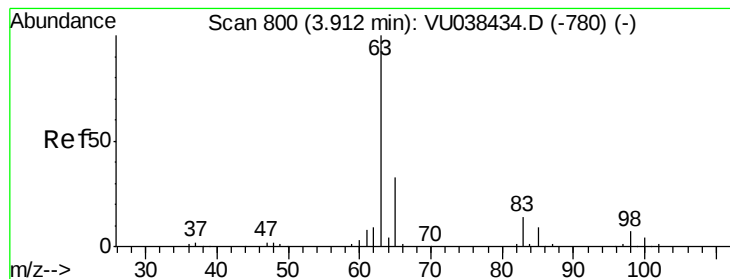
500

0

2.95 3.00 3.05

Time-->

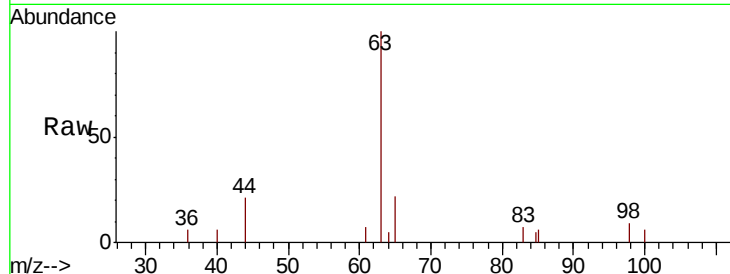




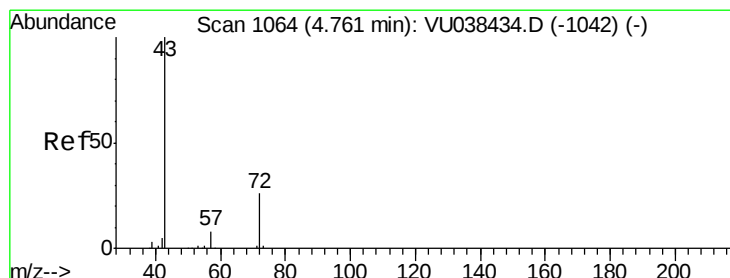
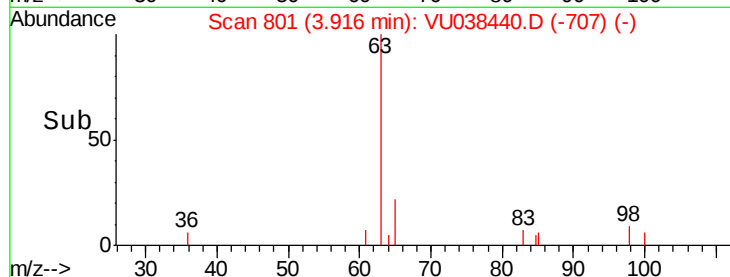
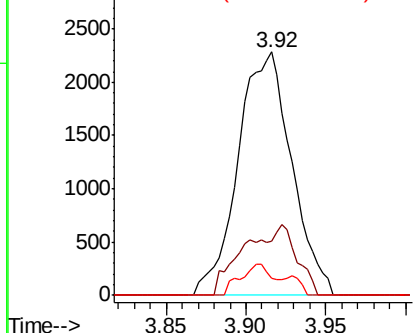
#19
 1,1-Dichloroethane
 Concen: 0.137 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU038440.D
 Acq: 31 May 2020 02:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 5239
 Ion Ratio Lower Upper
 63 100
 65 22.4 22.3 41.5
 83 6.9 10.4 19.4#

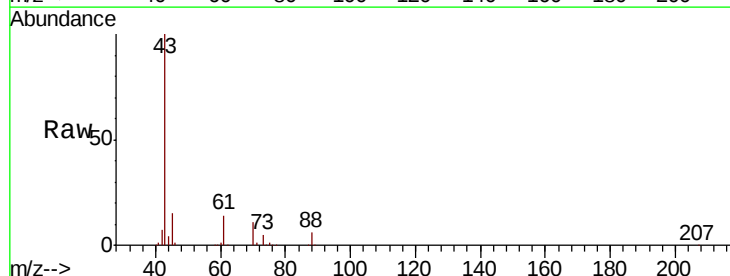


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

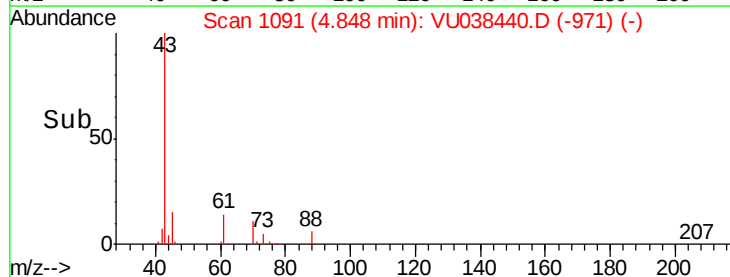
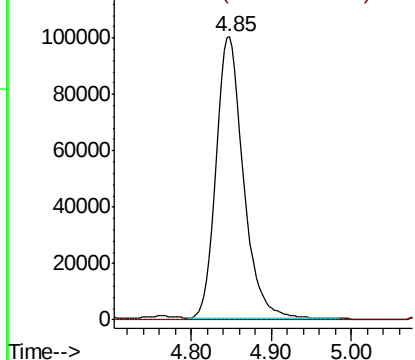


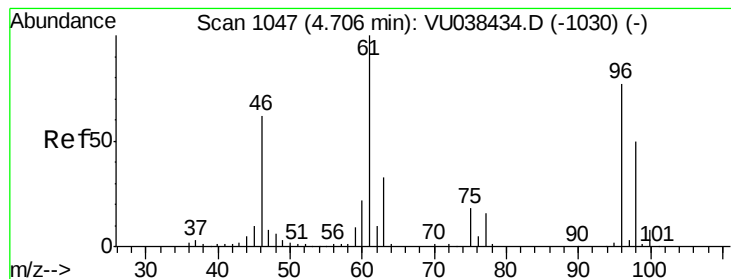
#21
 2-Butanone
 Concen: 33.791 ug/L
 RT: 4.85 min Scan# 1091
 Delta R.T. 0.09 min
 Lab File: VU038440.D
 Acq: 31 May 2020 02:24

Tgt Ion: 43 Resp: 236281
 Ion Ratio Lower Upper
 43 100
 72 0.1 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.149 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU038440.D

Acq: 31 May 2020 02:24

Instrument :

MSVOA_U

ClientSampleId :

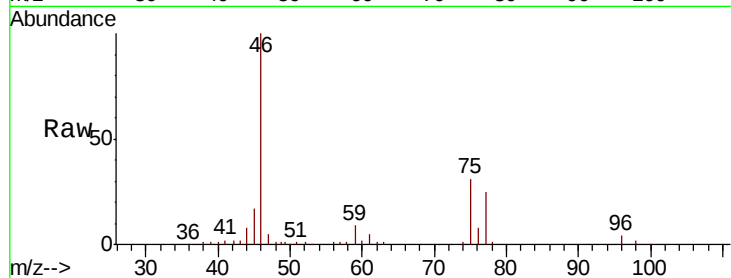
Tot Ion: 96 Resp: 3444

Ion Ratio Lower Upper

96 100

61 125.1 94.0 174.6

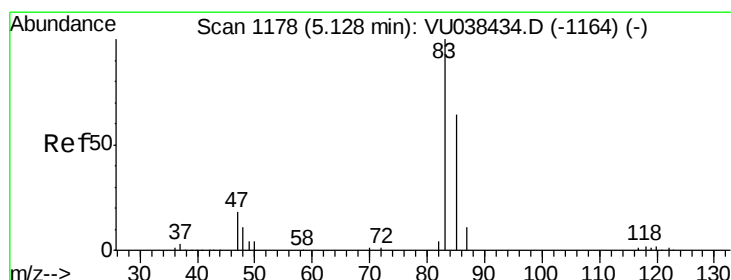
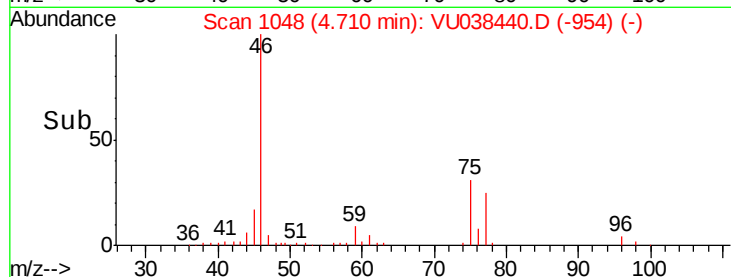
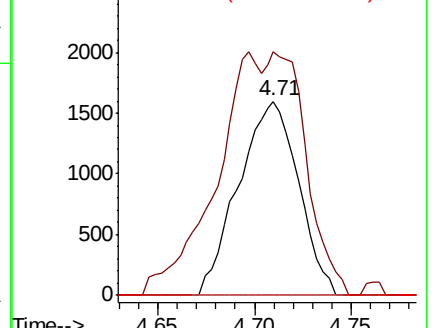
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038440.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038440.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038440.D (-954) (-)



#25

Chloroform

Concen: 1.445 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU038440.D

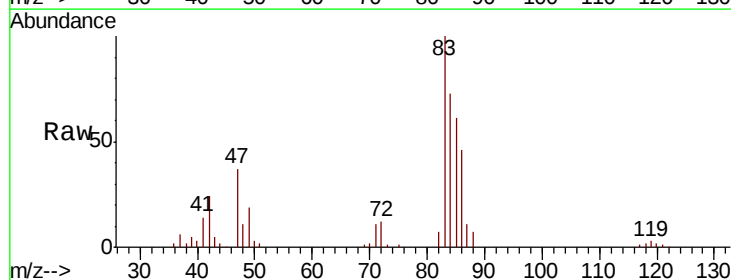
Acq: 31 May 2020 02:24

Tgt Ion: 83 Resp: 56336

Ion Ratio Lower Upper

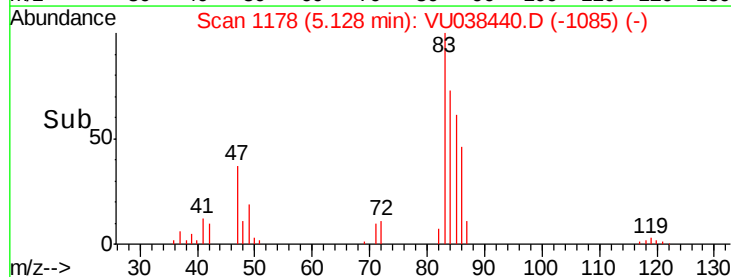
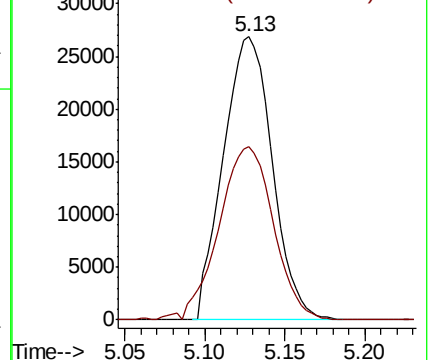
83 100

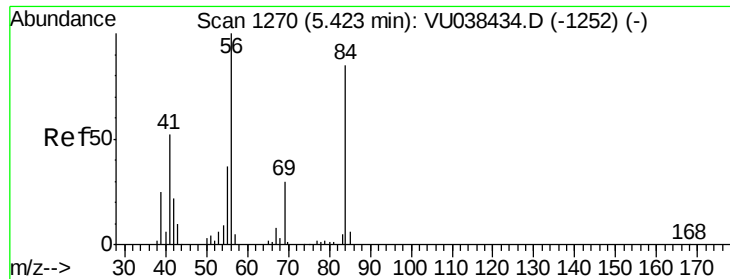
85 61.1 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU038440.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU038440.D (-1085) (-)

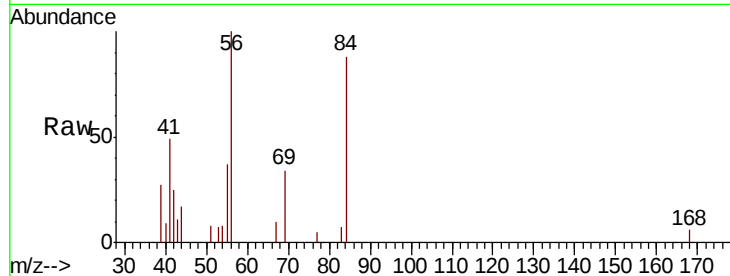




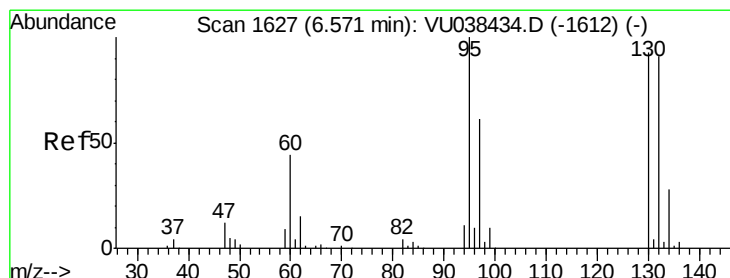
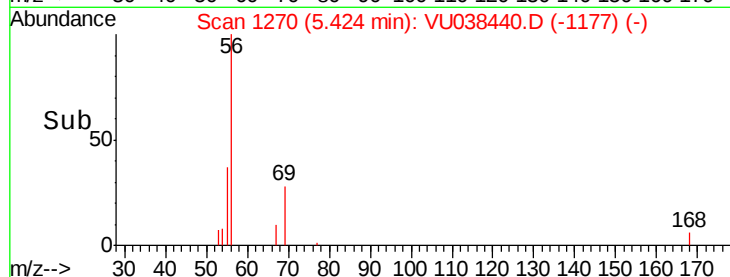
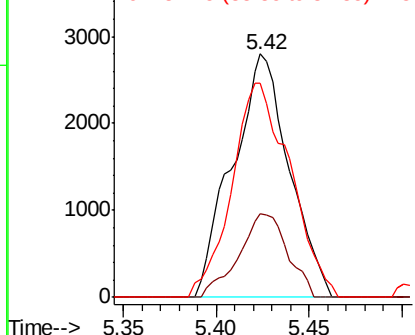
#30
Cyclohexane
Concen: 0.171 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038440.D
Acq: 31 May 2020 02:24

Instrument :
MSVOA_U
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Tot Ion: 56 Resp: 5953
Ion Ratio Lower Upper
56 100
69 29.5 24.2 36.4
84 90.7 70.8 106.2

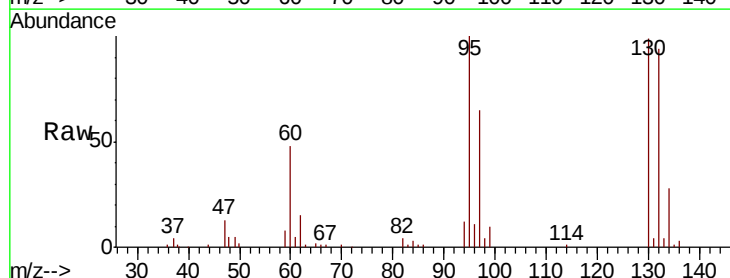


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

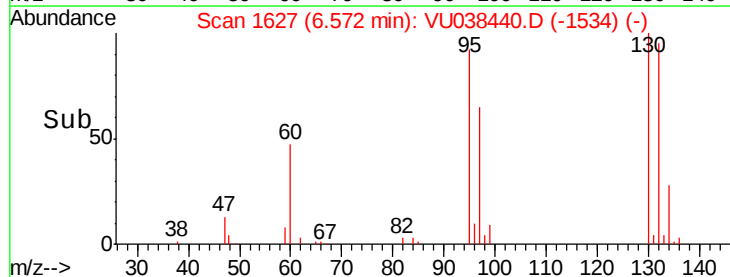
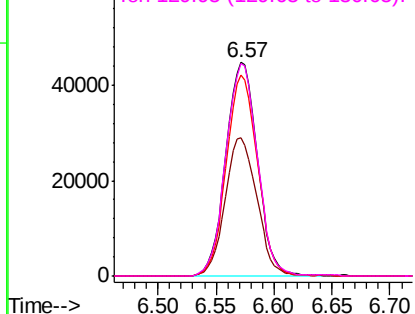


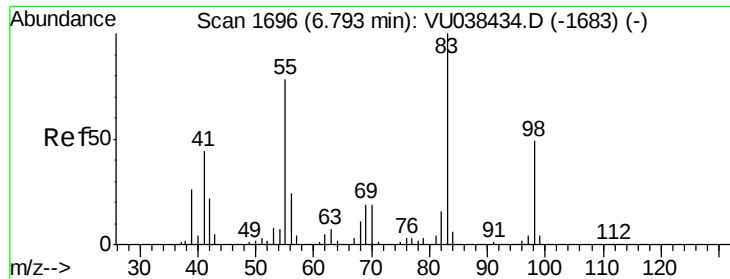
#34
Trichloroethene
Concen: 3.708 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038440.D
Acq: 31 May 2020 02:24

Tgt Ion: 95 Resp: 84402
Ion Ratio Lower Upper
95 100
97 65.0 46.8 87.0
132 93.9 66.1 122.7
130 99.2 70.0 130.0



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

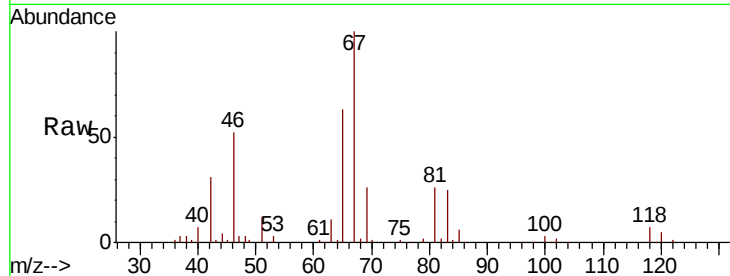




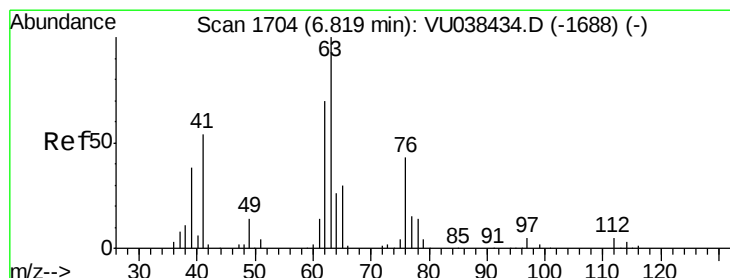
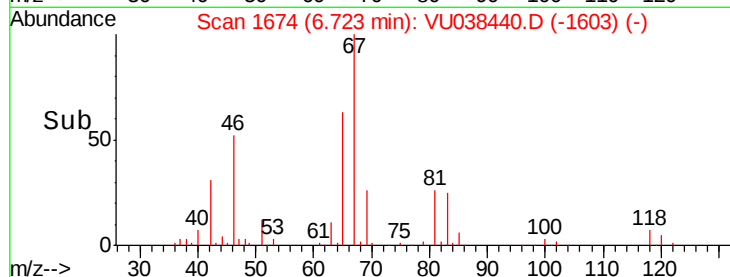
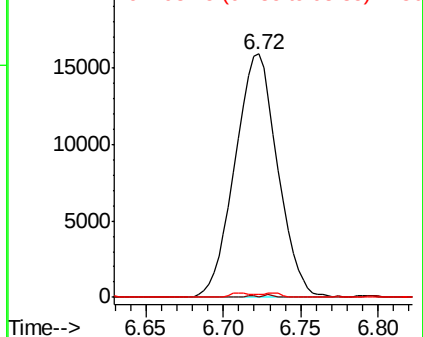
#35
Methvlcvclohexane
Concen: 0.866 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038440.D
Acq: 31 May 2020 02:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 30499
Ion Ratio Lower Upper
83 100
55 0.1 63.4 95.2#
98 0.8 39.0 58.4#

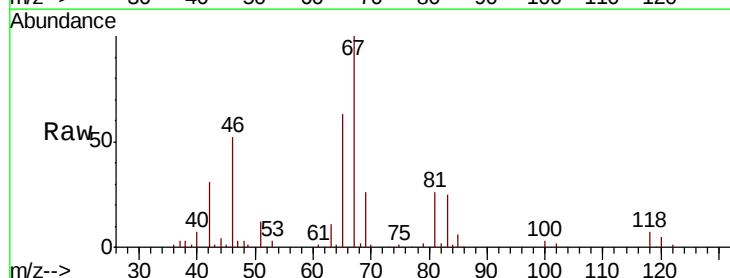


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

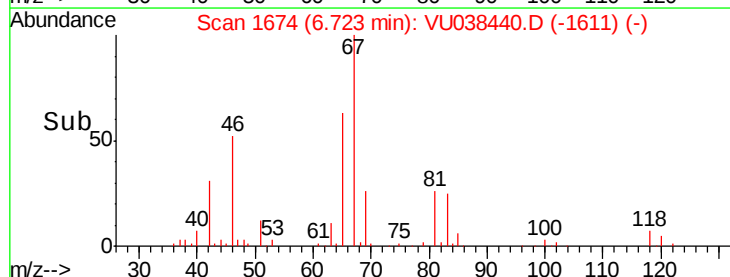
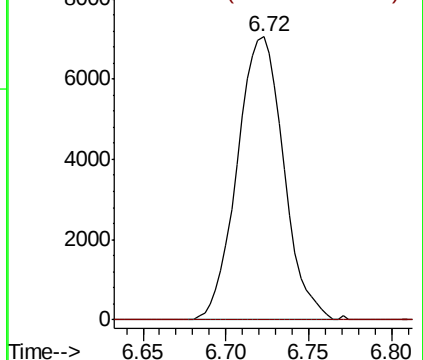


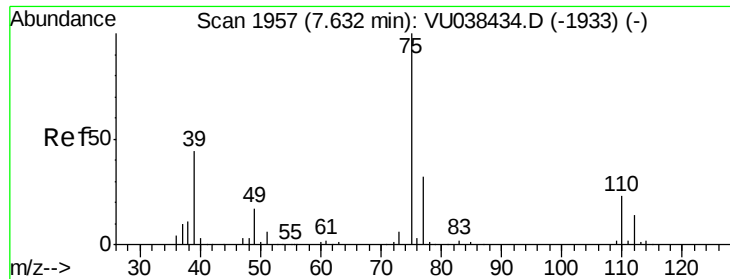
#37
1,2-Dichloropropane
Concen: 0.625 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038440.D
Acq: 31 May 2020 02:24

Tgt Ion: 63 Resp: 13787
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

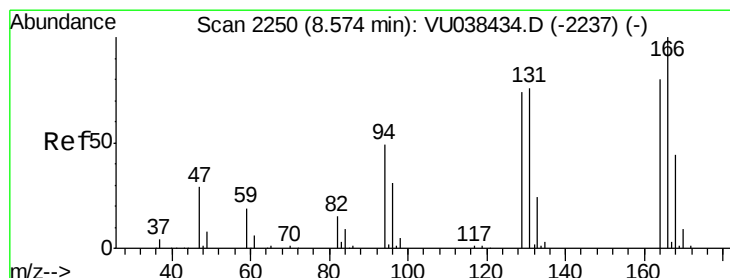
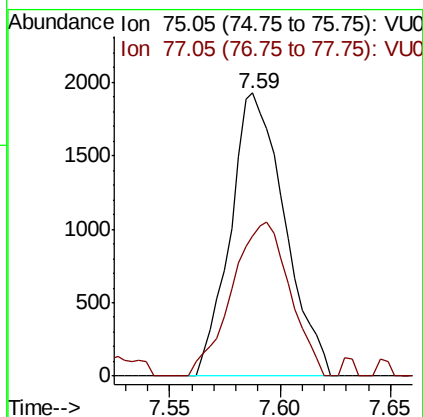
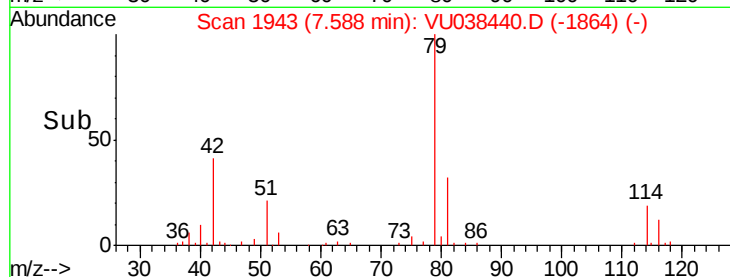
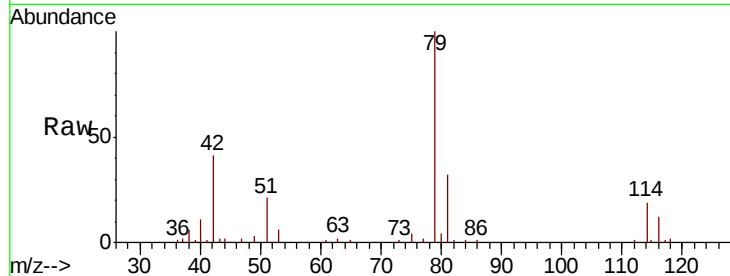




#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.04 min
 Lab File: VU038440.D
 Acq: 31 May 2020 02:24

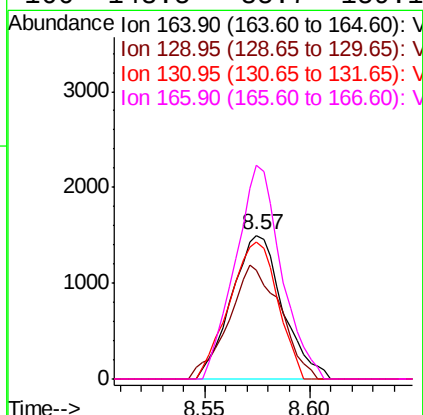
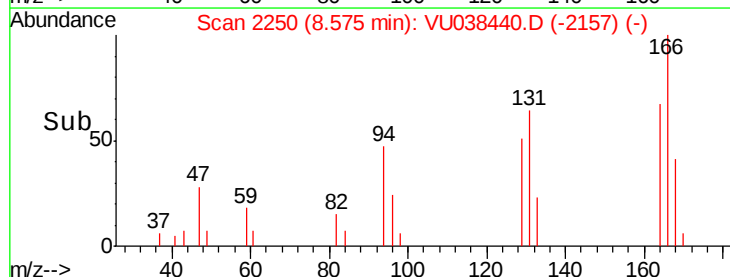
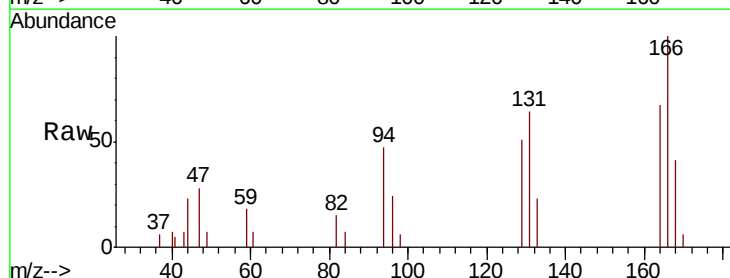
Instrument :
 MSVOA_U
 ClientSampleId :

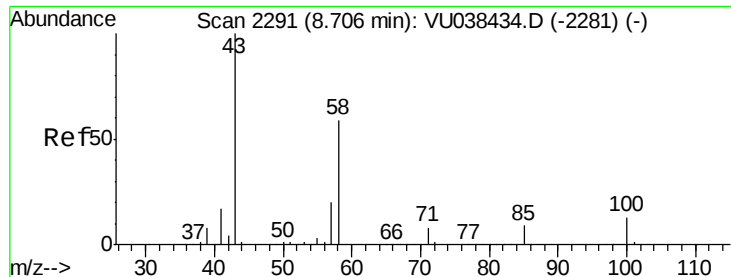
Tot Ion: 75 Resp: 3294
 Ion Ratio Lower Upper
 75 100
 77 49.5 21.9 40.7#



#47
 Tetrachloroethene
 Concen: 0.153 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038440.D
 Acq: 31 May 2020 02:24

Tgt Ion:164 Resp: 2532
 Ion Ratio Lower Upper
 164 100
 129 75.8 67.4 125.2
 131 94.9 64.1 119.1
 166 148.5 85.7 159.1

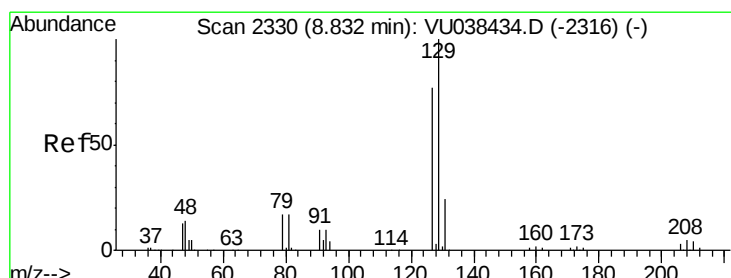
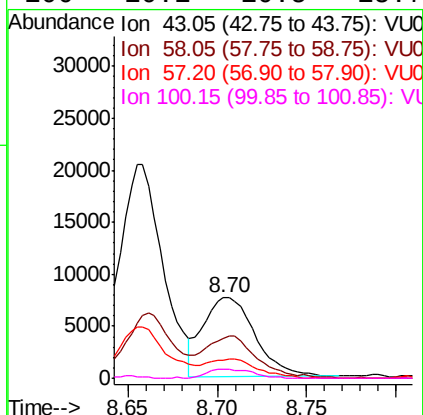
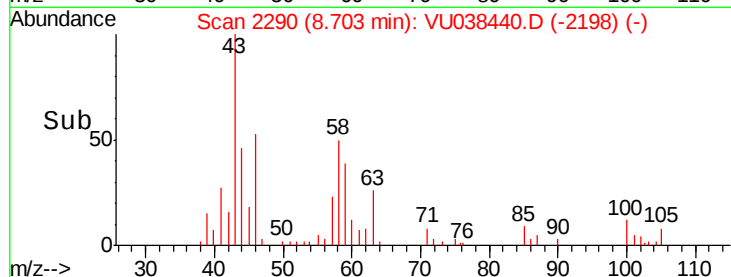
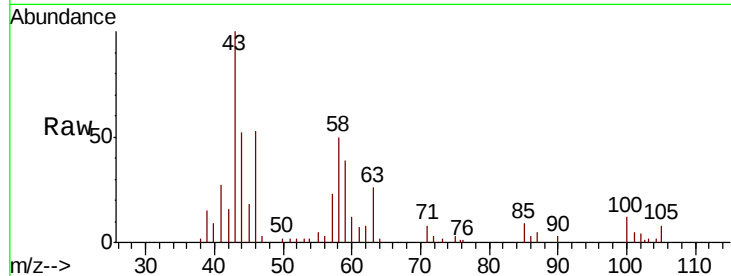




#48
2-Hexanone
Concen: 1.283 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU038440.D
Acq: 31 May 2020 02:24

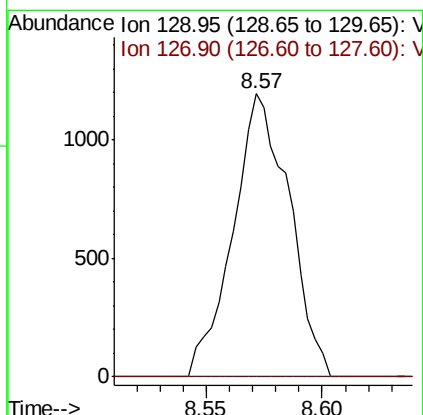
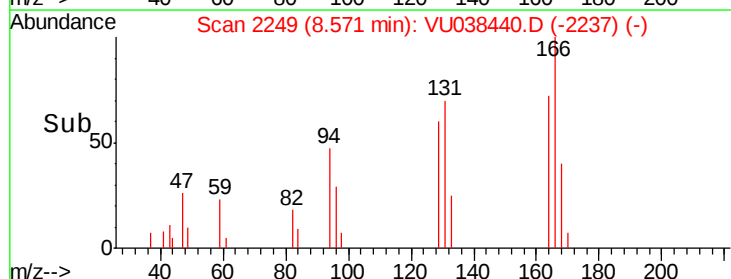
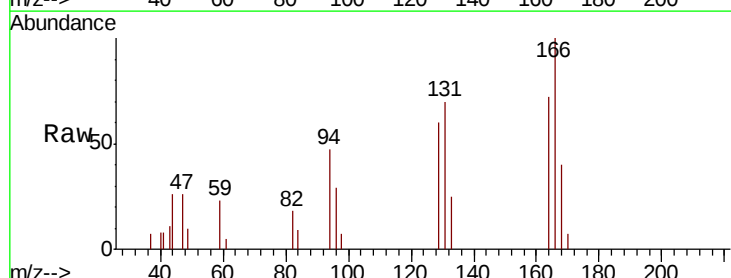
Instrument :
MSVOA_U
ClientSampleId :

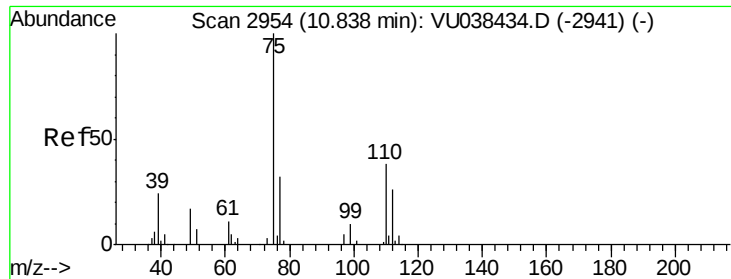
Tot Ion: 43 Resp: 15333
Ion Ratio Lower Upper
43 100
58 55.1 45.4 68.0
57 24.6 15.9 23.9#
100 10.1 10.5 15.7#



#49
Dibromochloromethane
Concen: 0.112 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU038440.D
Acq: 31 May 2020 02:24

Tgt Ion: 129 Resp: 2014
Ion Ratio Lower Upper
129 100
127 0.0 53.3 99.1#





#59

1,2,3-Trichloropropane

Concen: 1.192 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038440.D

Acq: 31 May 2020 02:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 19639

Ion Ratio Lower Upper

75 100

77 37.3 25.4 38.2

