

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040893.D
 Acq On : 21 Oct 2020 23:18
 Operator : SY/MD
 Sample : L4447-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ57

Quant Time: Oct 22 00:54:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:42:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	207975	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	216250	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	89897	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	69826	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.92	69	65382	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.58	63	107937	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.65	46	351899	69.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	139.02%#
24) Chloroform-d	5.08	84	162527	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	104614	5.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.40%
32) Benzene-d6	5.75	84	285092	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.70	67	101225	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.91	98	219149	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	8.19	79	38340	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.64	63	252514	65.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.42%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	99057	6.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	121.00%#
64) 1,2-Dichlorobenzene-d4	12.19	152	93195	5.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1179	0.051	ug/L #	72
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	736	0.045	ug/L #	21
13) Acetone	2.66	43	51807	14.561	ug/L	99
15) Methyl Acetate	2.98	43	1663	0.185	ug/L #	69
16) Methylene chloride	3.06	84	6227	0.332	ug/L	94
27) 1,2-Dichloroethane	5.81	62	44968	2.031	ug/L	98
34) Trichloroethene	6.27	95	4244	0.240	ug/L #	6
35) Methylcyclohexane	6.70	83	23857	0.901	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	11895	0.634	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	3216	0.128	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	9596	0.762	ug/L #	66
44) trans-1,3-Dichloropropene	8.19	75	1994	0.088	ug/L #	71
48) 2-Hexanone	8.64	43	43129	4.707	ug/L #	68
52) Ethylbenzene	9.57	91	10930	0.146	ug/L	98
53) m,p-Xylene	9.69	106	15352	0.568	ug/L	86
54) o-Xylene	10.10	106	8237	0.320	ug/L	96
59) 1,2,3-Trichloropropane	11.81	75	13053	1.070	ug/L	94

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QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration

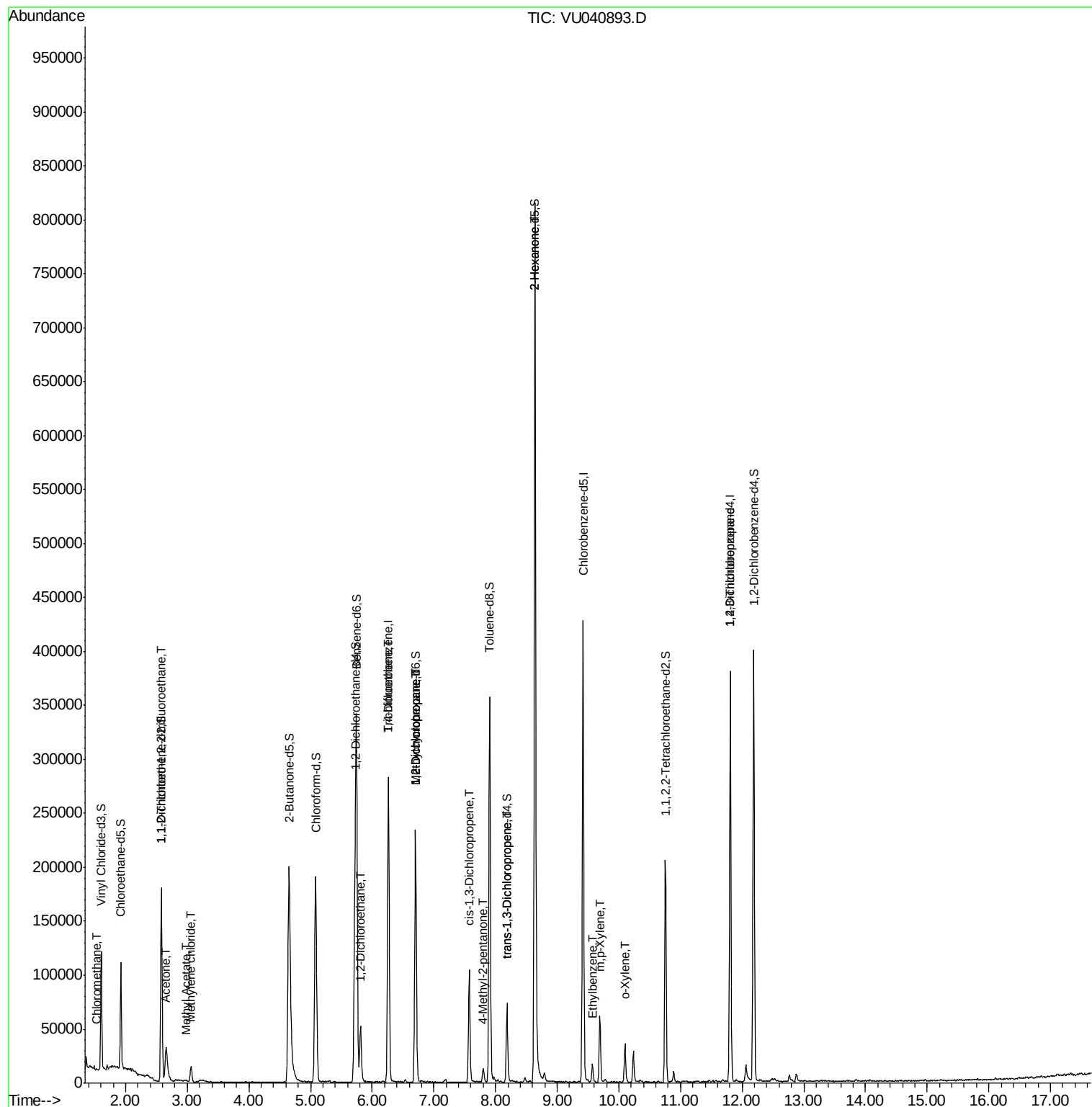
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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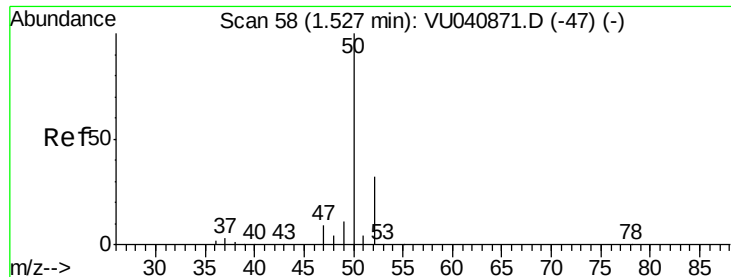
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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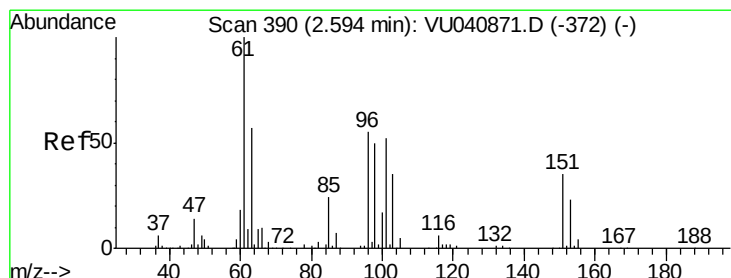
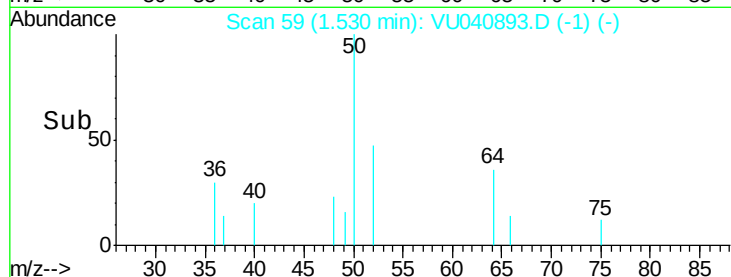
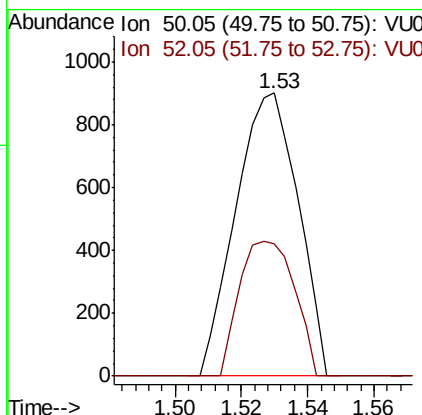
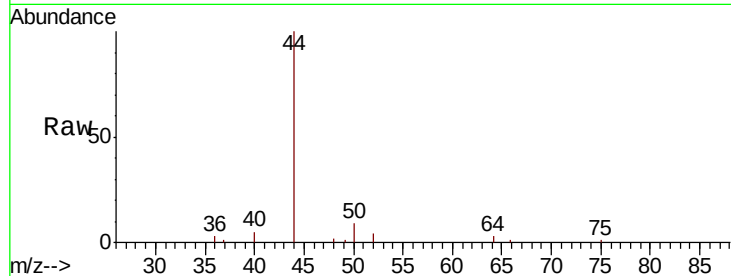




#3
Chloromethane
Concen: 0.051 ug/L
RT: 1.53 min Scan# 59
Delta R.T. 0.00 min
Lab File: VU040893.D
Acq: 21 Oct 2020 23:18

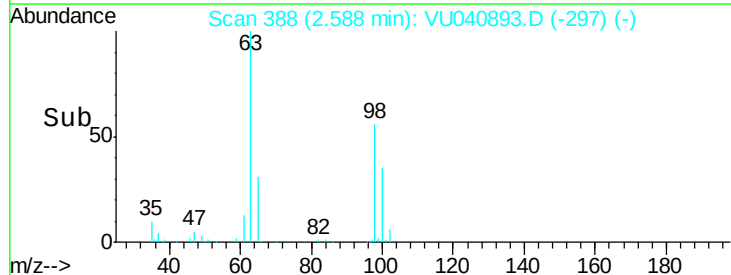
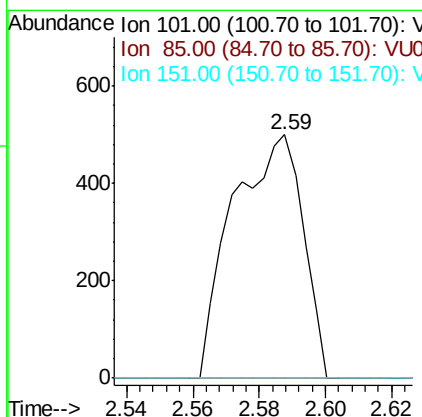
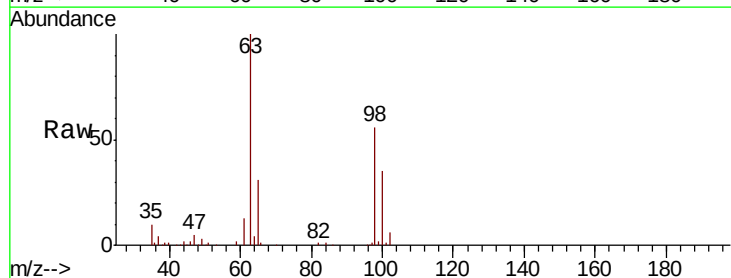
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ClientSampleId :
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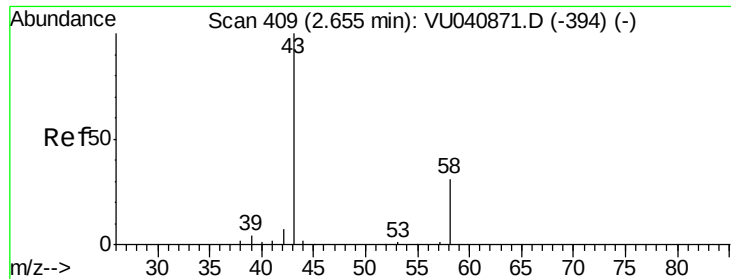
Tot Ion: 50 Resp: 1179
Ion Ratio Lower Upper
50 100
52 46.7 21.8 40.6#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.045 ug/L
RT: 2.59 min Scan# 388
Delta R.T. -0.01 min
Lab File: VU040893.D
Acq: 21 Oct 2020 23:18

Tgt Ion:101 Resp: 736
Ion Ratio Lower Upper
101 100
85 0.0 36.4 54.6#
151 0.0 56.3 84.5#





#13

Acetone

Concen: 14.561 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU040893.D

Acq: 21 Oct 2020 23:18

Instrument :

MSVOA_U

ClientSampleId :

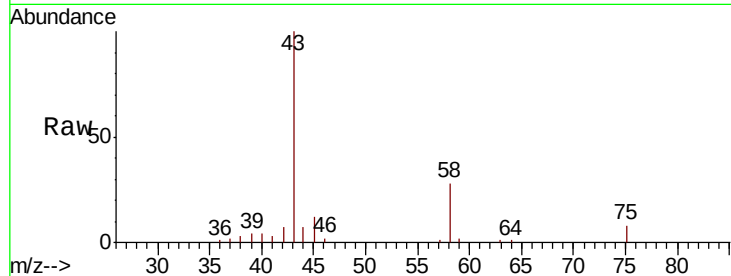
ETZ57

Tot Ion: 43 Resp: 51807

Ion Ratio Lower Upper

43 100

58 29.0 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU040893.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU040893.D (-316) (-)

20000

15000

10000

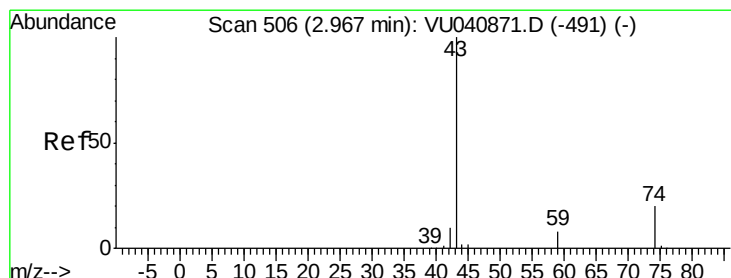
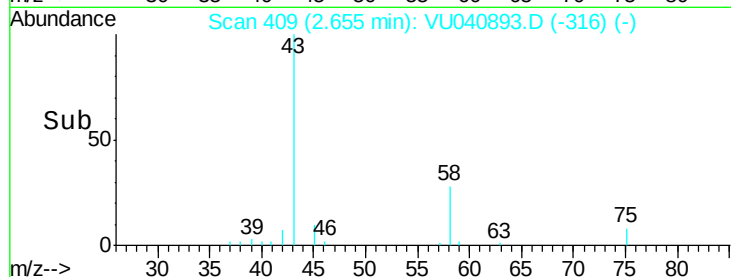
5000

0

Time-->

2.55 2.60 2.65 2.70 2.75

2.66



#15

Methyl Acetate

Concen: 0.185 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.01 min

Lab File: VU040893.D

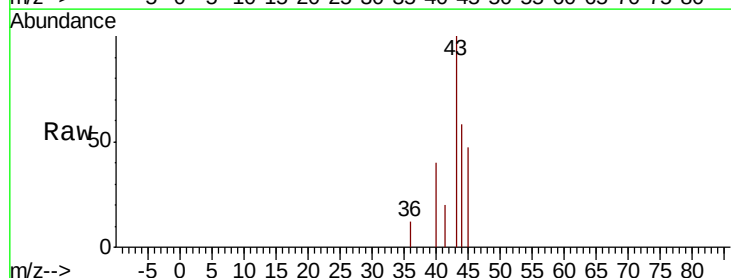
Acq: 21 Oct 2020 23:18

Tgt Ion: 43 Resp: 1663

Ion Ratio Lower Upper

43 100

74 6.2 16.6 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU040893.D (-413) (-)

Ion 74.05 (73.75 to 74.75): VU040893.D (-413) (-)

1000

800

600

400

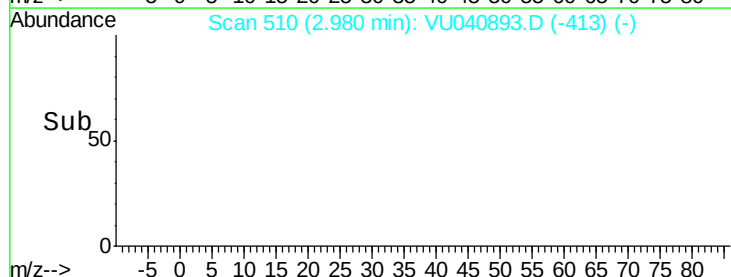
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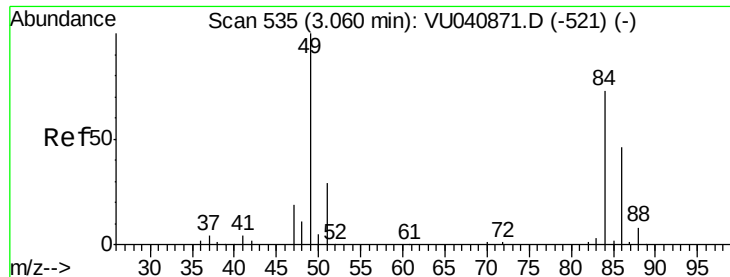
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Time-->

2.90 2.95 3.00

2.98

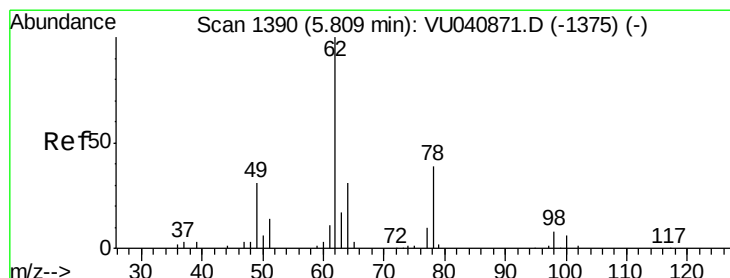
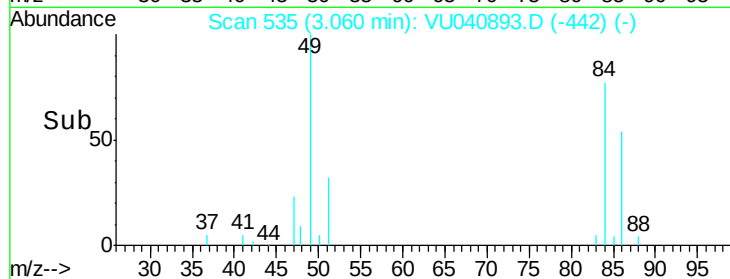
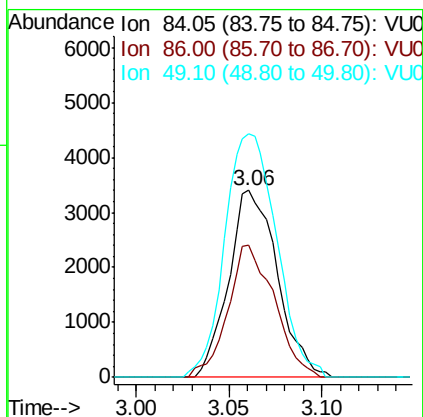
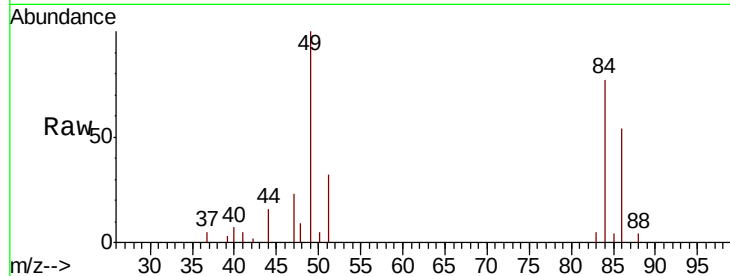




#16
Methvlene chloride
Concen: 0.332 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040893.D
Acq: 21 Oct 2020 23:18

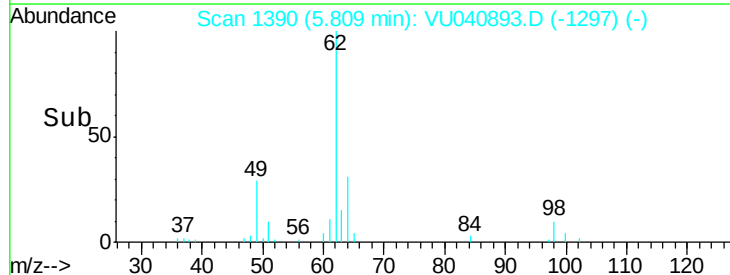
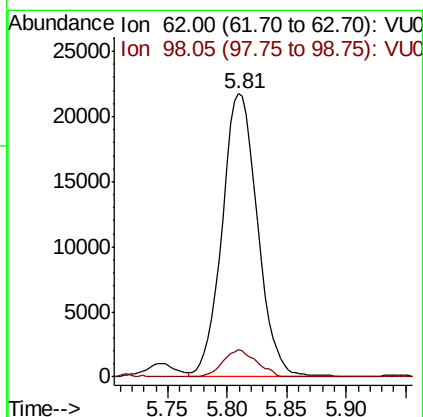
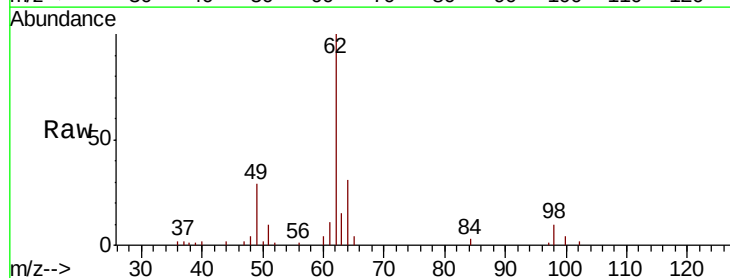
Instrument :
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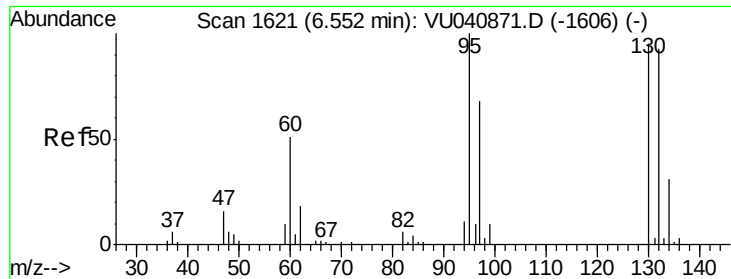
Tot Ion: 84 Resp: 6227
Ion Ratio Lower Upper
84 100
86 70.6 44.9 83.5
49 130.2 94.7 175.9



#27
1,2-Dichloroethane
Concen: 2.031 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040893.D
Acq: 21 Oct 2020 23:18

Tgt Ion: 62 Resp: 44968
Ion Ratio Lower Upper
62 100
98 9.6 7.0 10.6

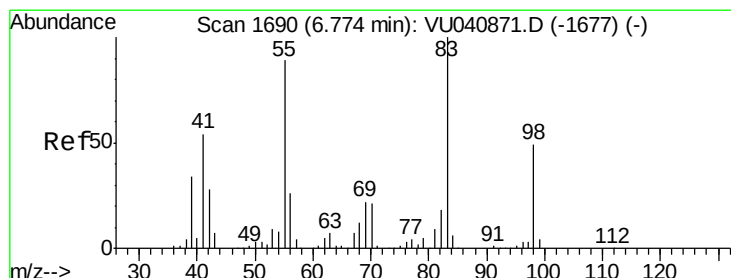
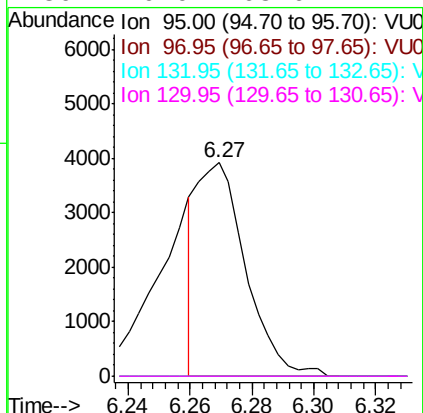
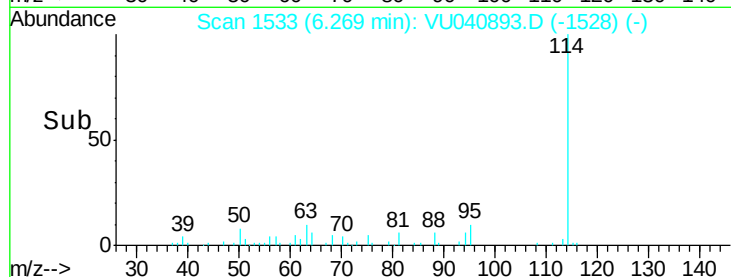
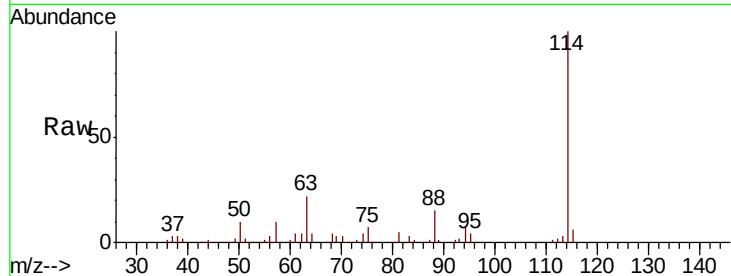




#34
 Trichloroethene
 Concen: 0.240 ug/L
 RT: 6.27 min Scan# 1533
 Delta R.T. -0.28 min
 Lab File: VU040893.D
 Acq: 21 Oct 2020 23:18

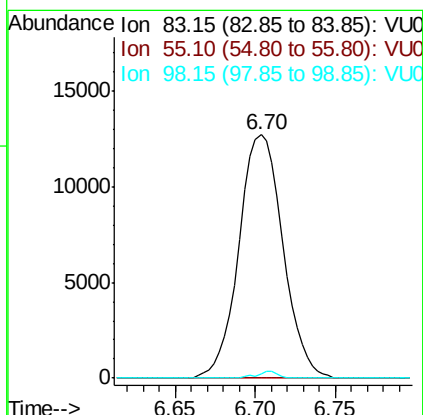
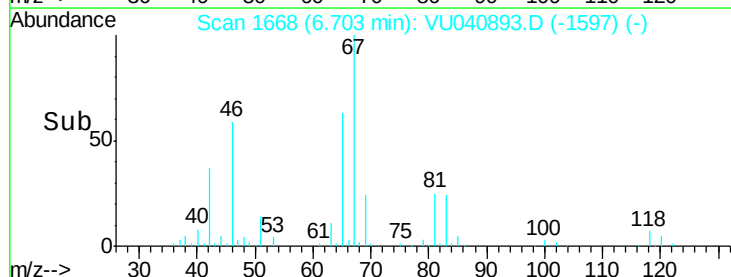
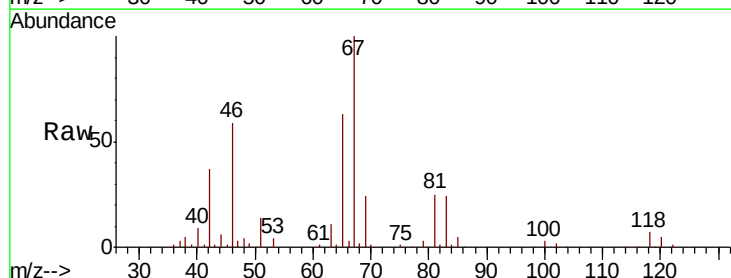
Instrument :
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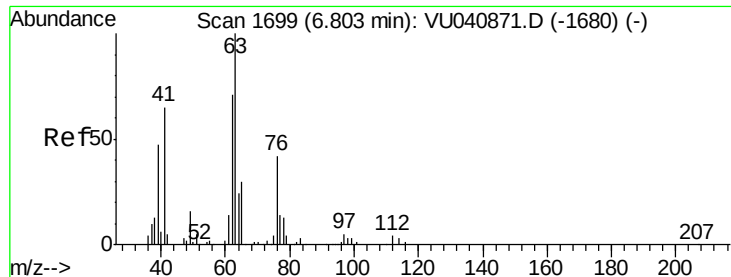
Tot Ion: 95 Resp: 4244
 Ion Ratio Lower Upper
 95 100
 97 0.0 46.0 85.4#
 132 0.0 63.6 118.2#
 130 0.0 68.6 127.4#



#35
 Methylcyclohexane
 Concen: 0.901 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040893.D
 Acq: 21 Oct 2020 23:18

Tgt Ion: 83 Resp: 23857
 Ion Ratio Lower Upper
 83 100
 55 0.0 69.1 103.7#
 98 1.3 37.8 56.6#

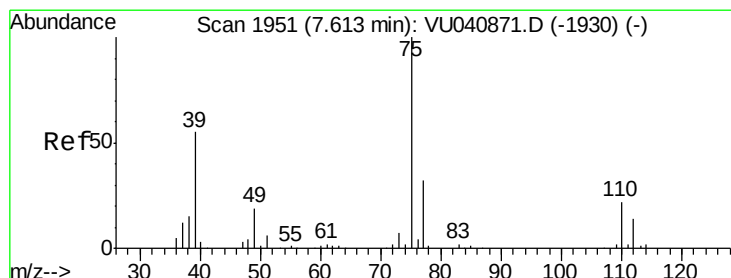
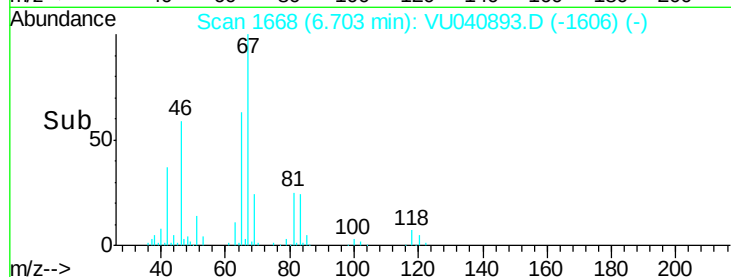
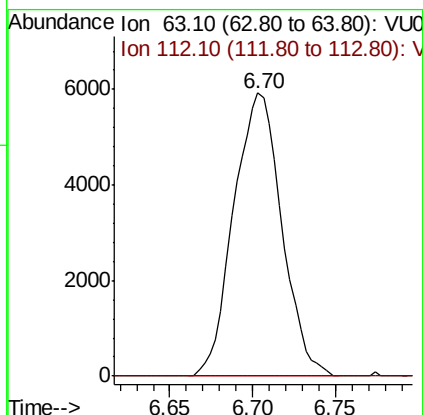
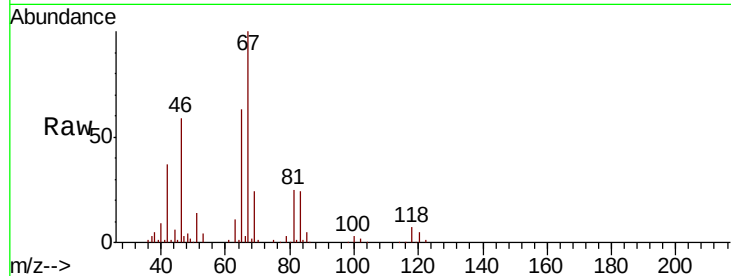




#37
 1,2-Dichloropropane
 Concen: 0.634 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040893.D
 Acq: 21 Oct 2020 23:18

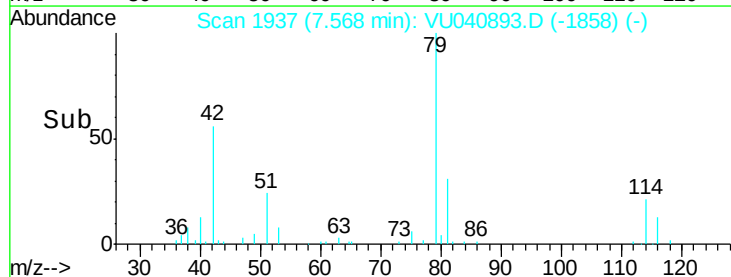
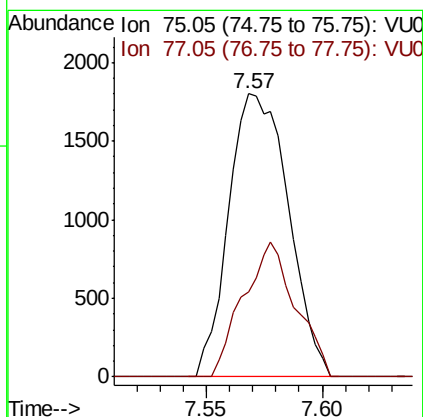
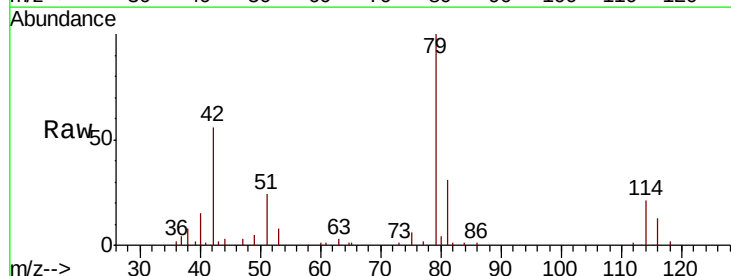
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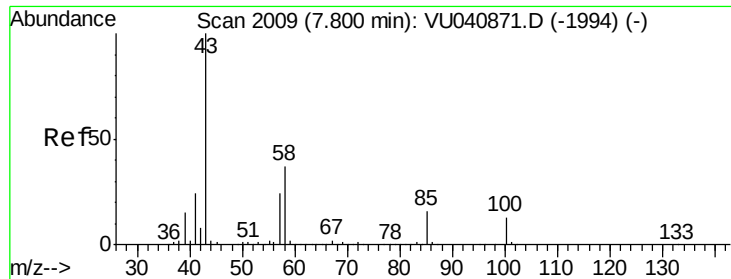
Tot Ion: 63 Resp: 11895
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.128 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU040893.D
 Acq: 21 Oct 2020 23:18

Tgt Ion: 75 Resp: 3216
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.6 40.2

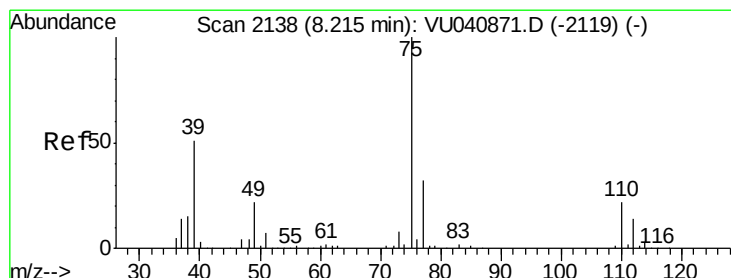
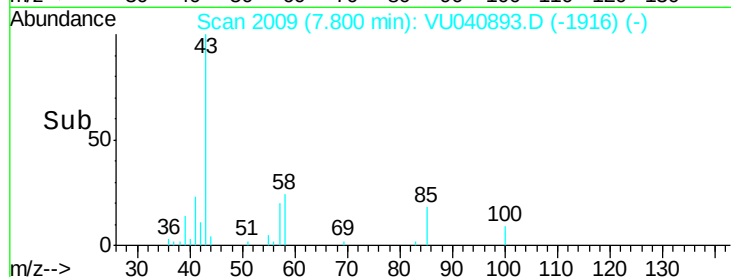
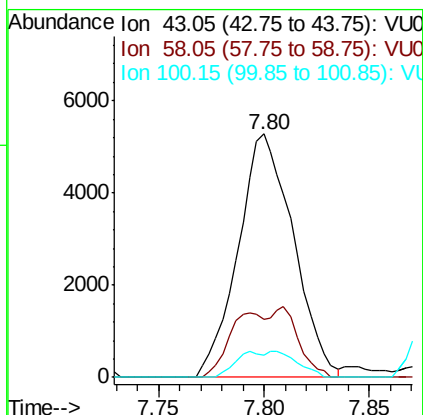
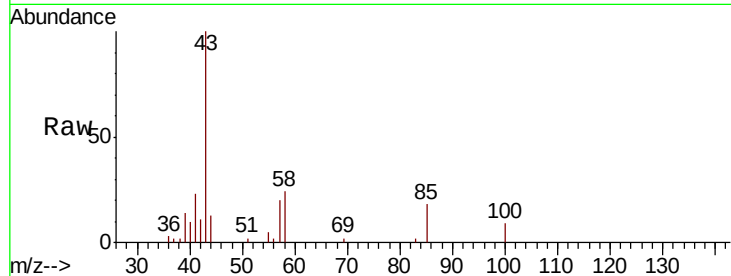




#40
4-Methyl-2-pentanone
Concen: 0.762 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU040893.D
Acq: 21 Oct 2020 23:18

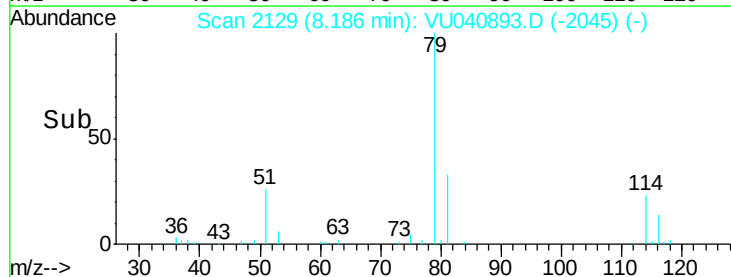
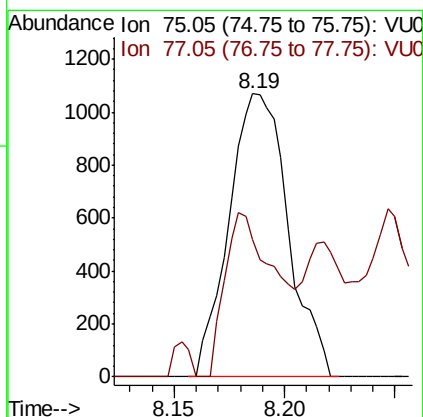
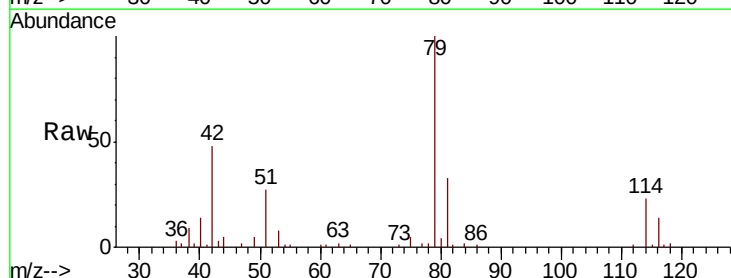
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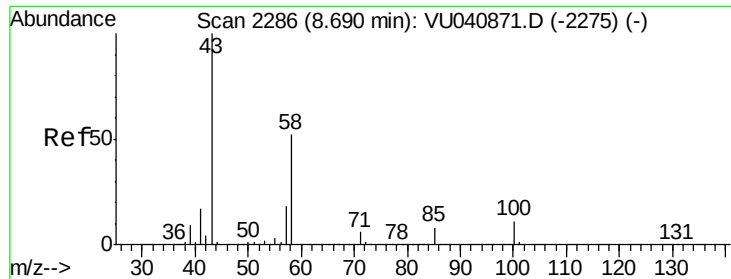
Tot Ion: 43 Resp: 9596
Ion Ratio Lower Upper
43 100
58 16.9 29.7 44.5#
100 0.0 10.6 16.0#



#44
trans-1,3-Dichloropropene
Concen: 0.088 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU040893.D
Acq: 21 Oct 2020 23:18

Tgt Ion: 75 Resp: 1994
Ion Ratio Lower Upper
75 100
77 48.6 22.6 42.0#

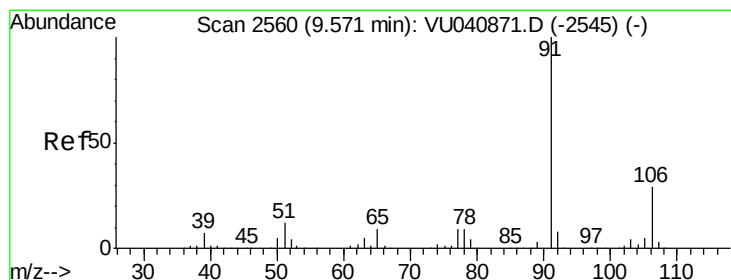
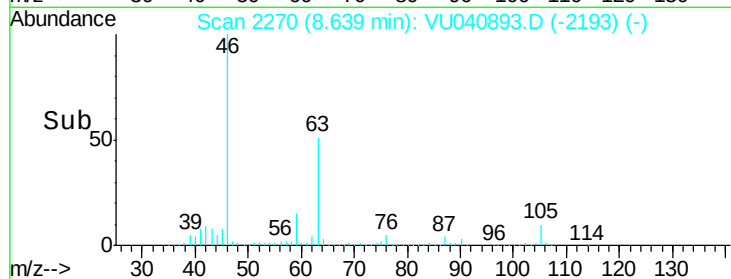
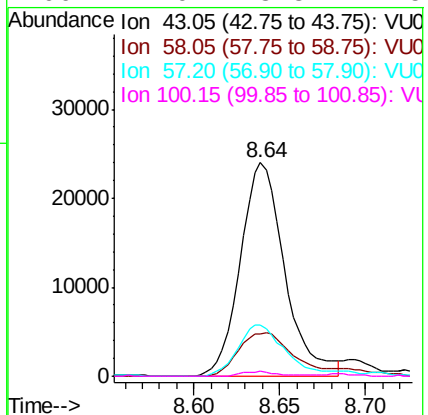
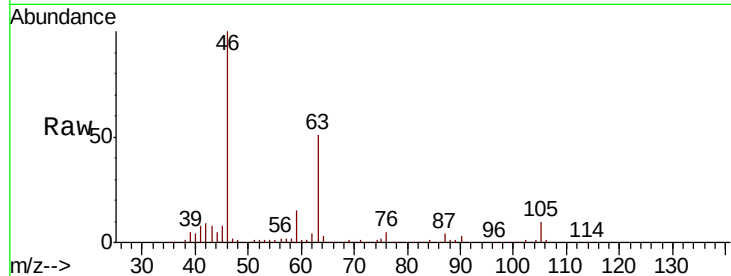




#48
2-Hexanone
Concen: 4.707 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040893.D
Acq: 21 Oct 2020 23:18

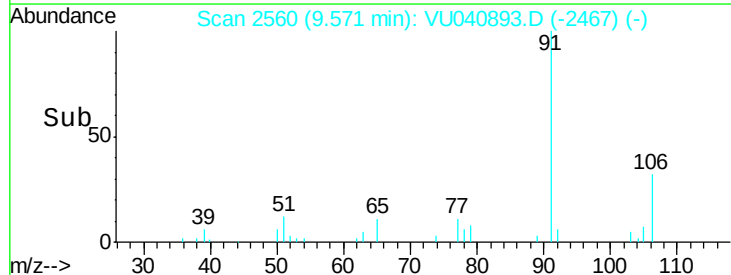
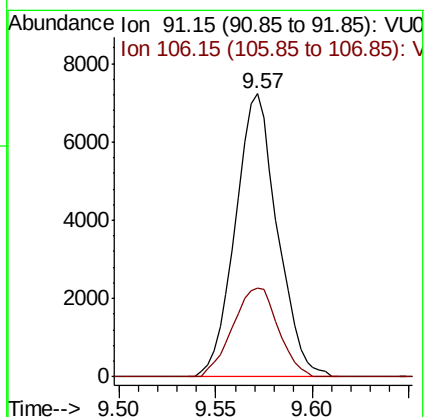
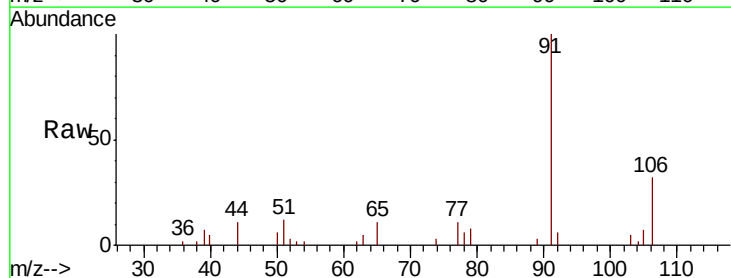
Instrument :
MSVOA_U
ClientSampled :
ETZ57

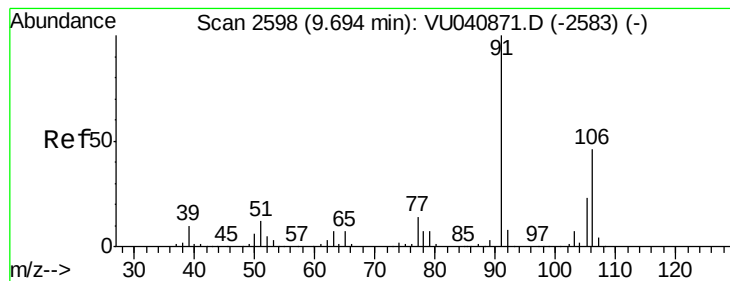
Tot Ion: 43 Resp: 43129
Ion Ratio Lower Upper
43 100
58 24.6 40.9 61.3#
57 26.6 14.4 21.6#
100 2.0 8.3 12.5#



#52
Ethylbenzene
Concen: 0.146 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040893.D
Acq: 21 Oct 2020 23:18

Tgt Ion: 91 Resp: 10930
Ion Ratio Lower Upper
91 100
106 31.5 21.2 39.4





#53

m,p-Xylene

Concen: 0.568 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040893.D

Acq: 21 Oct 2020 23:18

Instrument :

MSVOA_U

ClientSampleId :

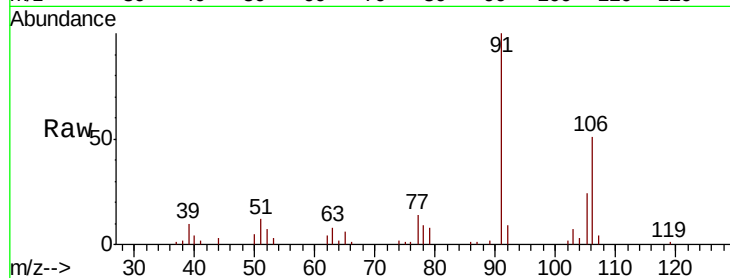
ETZ57

Tot Ion:106 Resp: 15352

Ion Ratio Lower Upper

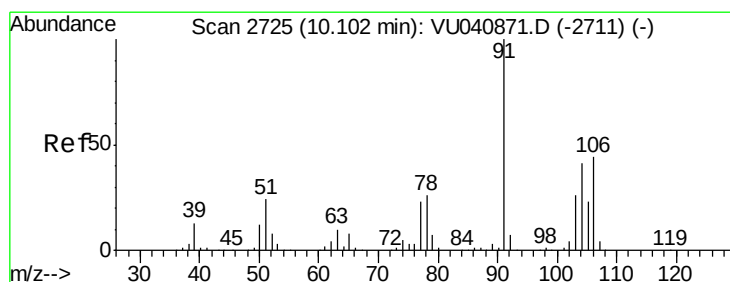
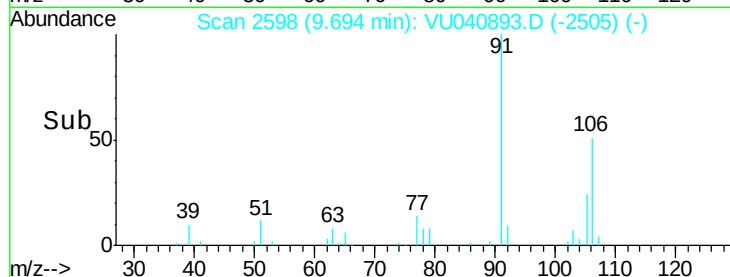
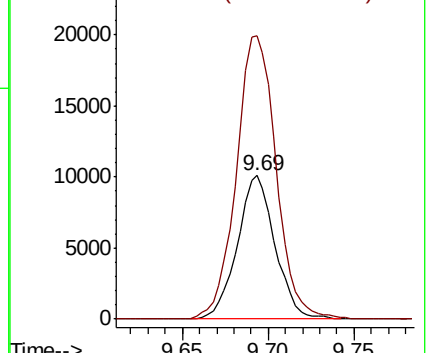
106 100

91 197.3 153.3 284.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.320 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040893.D

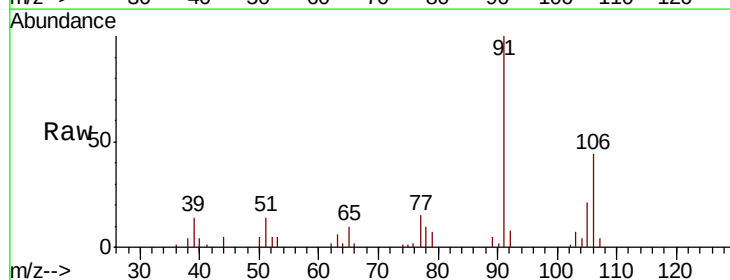
Acq: 21 Oct 2020 23:18

Tgt Ion:106 Resp: 8237

Ion Ratio Lower Upper

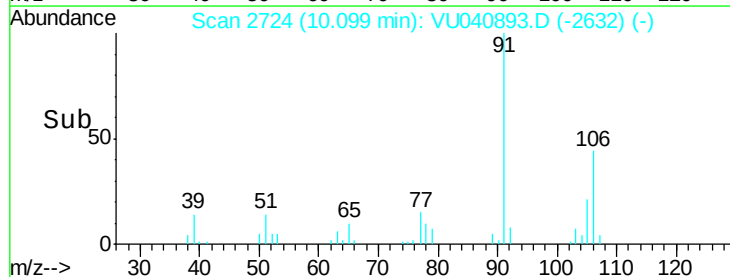
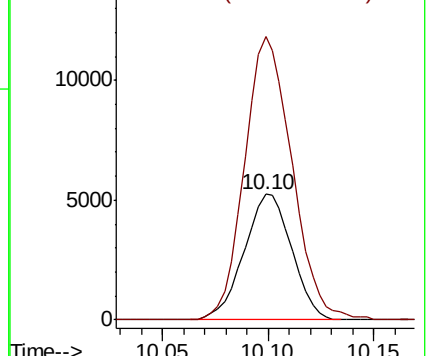
106 100

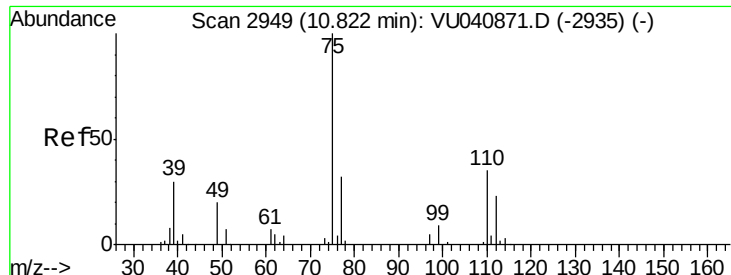
91 225.1 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.070 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040893.D

Acq: 21 Oct 2020 23:18

Instrument :

MSVOA_U

ClientSampleId :

ETZ57

Tot Ion: 75 Resp: 13053

Ion Ratio Lower Upper

75 100

77 37.9 27.5 41.3

