

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
 Data File : VU040885.D
 Acq On : 21 Oct 2020 20:13
 Operator : SY/MD
 Sample : L4428-18MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ50MSD

Quant Time: Oct 22 00:52:33 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	229597	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	232854	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	97447	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	71234	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.92	69	64207	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.58	63	154635	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	4.65	46	342243	61.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.48%
24) Chloroform-d	5.08	84	164651	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.72	65	99451	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.74	84	287802	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.70	67	101214	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.91	98	222944	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	8.19	79	40749	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.64	63	259522	62.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	96780	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	92485	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	6122	0.242	ug/L 96
8) Chloroethane	1.94	64	1798	0.118	ug/L # 51
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1149	0.064	ug/L # 21
12) 1,1-Dichloroethene	2.59	96	80381	4.780	ug/L 93
13) Acetone	2.65	43	12559	3.198	ug/L 96
27) 1,2-Dichloroethane	5.80	62	4807	0.197	ug/L # 76
33) Benzene	5.79	78	390979	5.223	ug/L 100
34) Trichloroethene	6.55	95	98817	5.187	ug/L 96
35) Methylcyclohexane	6.71	83	23850	0.836	ug/L # 15
37) 1,2-Dichloropropane	6.70	63	12056	0.597	ug/L # 90
39) cis-1,3-Dichloropropene	7.58	75	3100	0.115	ug/L # 70
42) Toluene	7.98	91	378036	5.028	ug/L 100
44) trans-1,3-Dichloropropene	8.18	75	2005	0.082	ug/L 85
48) 2-Hexanone	8.64	43	35440	3.592	ug/L # 71
51) Chlorobenzene	9.45	112	259049	5.336	ug/L 99
53) m,p-Xylene	9.69	106	4171	0.143	ug/L 75
59) 1,2,3-Trichloropropane	11.81	75	13594	1.035	ug/L 89

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration

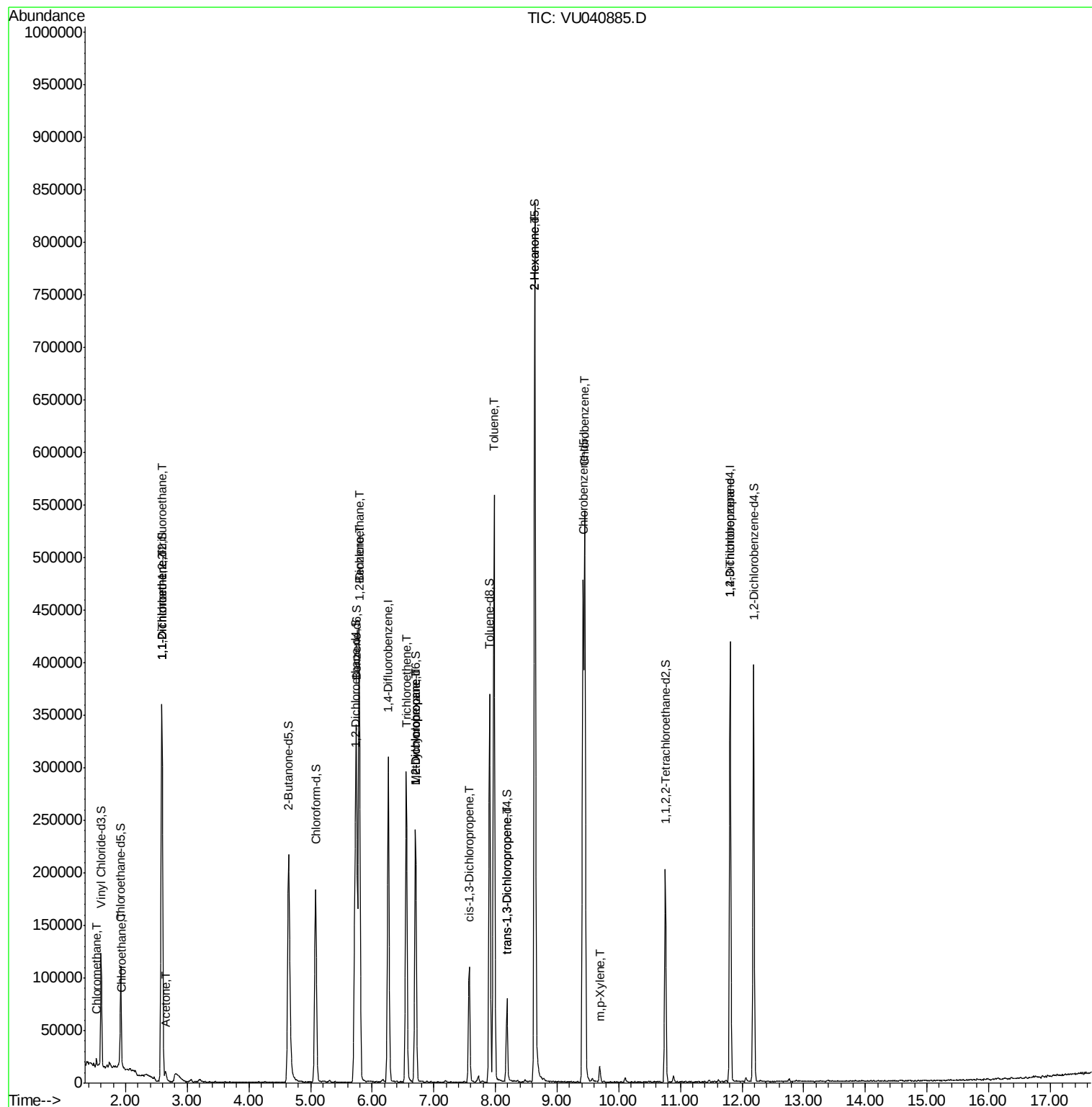
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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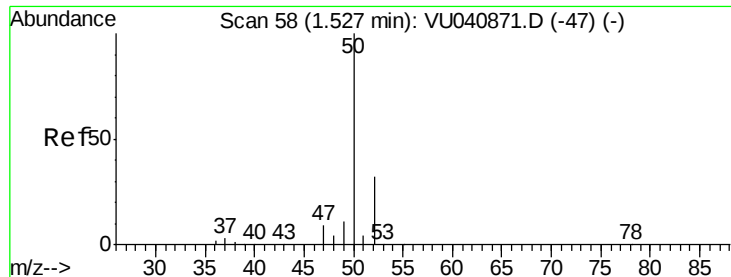
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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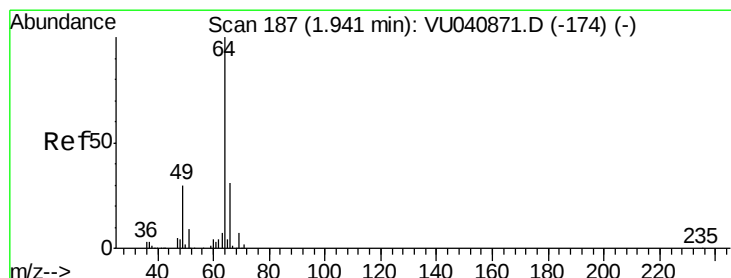
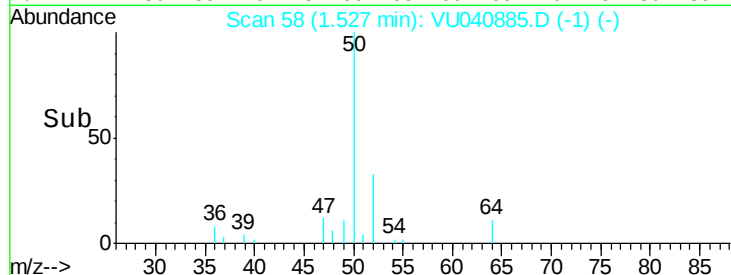
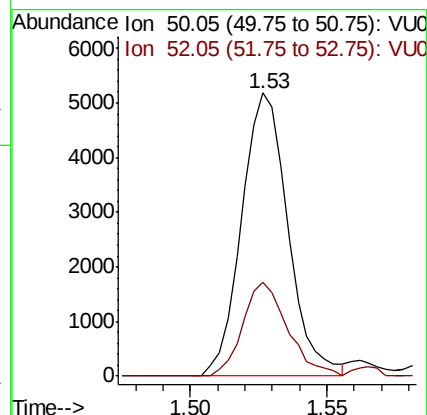
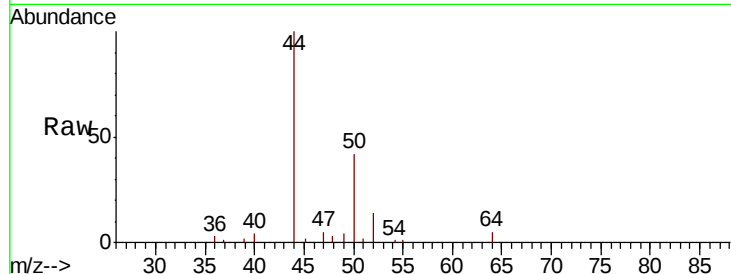




#3
Chloromethane
Concen: 0.242 ug/L
RT: 1.53 min Scan# 58
Delta R.T. -0.00 min
Lab File: VU040885.D
Acq: 21 Oct 2020 20:13

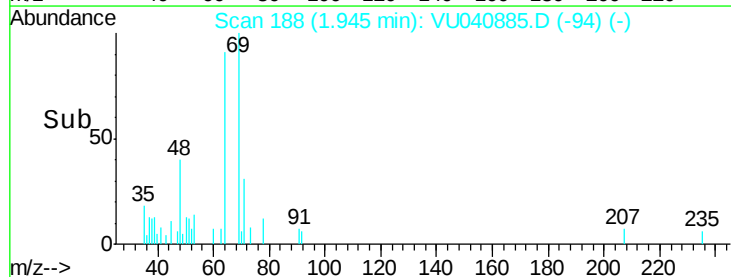
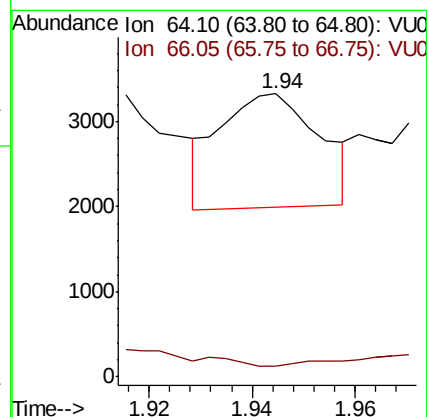
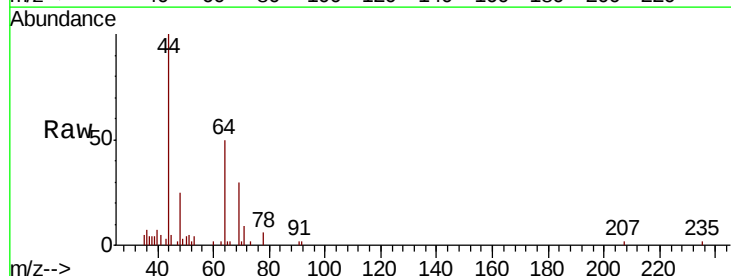
Instrument :
MSVOA_U
ClientSampleId :
ETZ50MSD

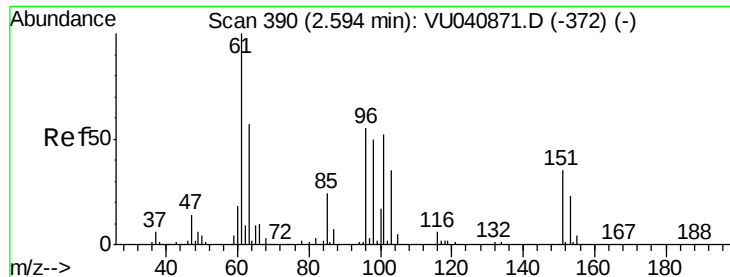
Tot Ion: 50 Resp: 6122
Ion Ratio Lower Upper
50 100
52 33.2 21.8 40.6



#8
Chloroethane
Concen: 0.118 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040885.D
Acq: 21 Oct 2020 20:13

Tgt Ion: 64 Resp: 1798
Ion Ratio Lower Upper
64 100
66 3.8 21.2 39.4#





#10

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

Concen: 0.064 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040885.D

Acq: 21 Oct 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

ETZ50MSD

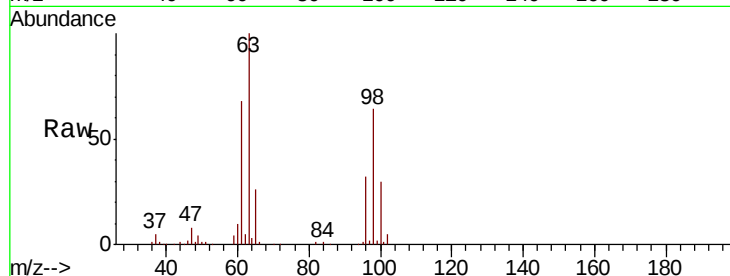
Tot Ion:101 Resp: 1149

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

151 0.0 56.3 84.5#



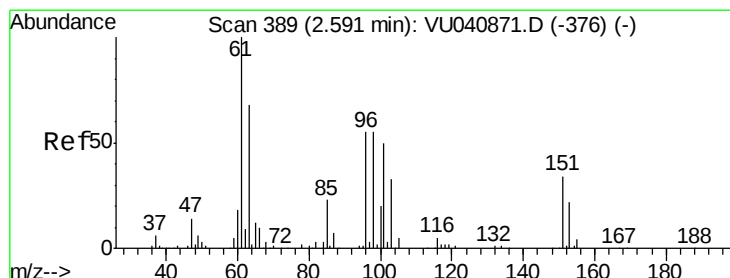
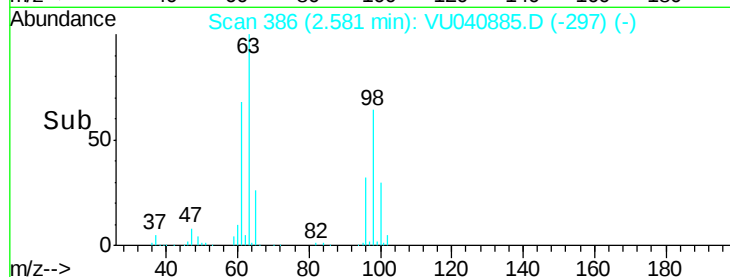
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58

Time-->



#12

1,1-Dichloroethene

Concen: 4.780 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040885.D

Acq: 21 Oct 2020 20:13

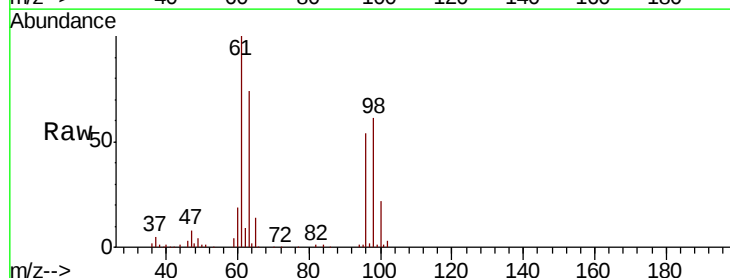
Tgt Ion: 96 Resp: 80381

Ion Ratio Lower Upper

96 100

61 183.6 130.9 243.1

63 136.5 85.4 158.6



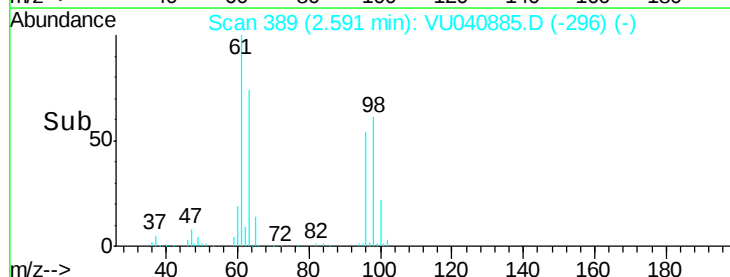
Abundance Ion 96.00 (95.70 to 96.70): VU0

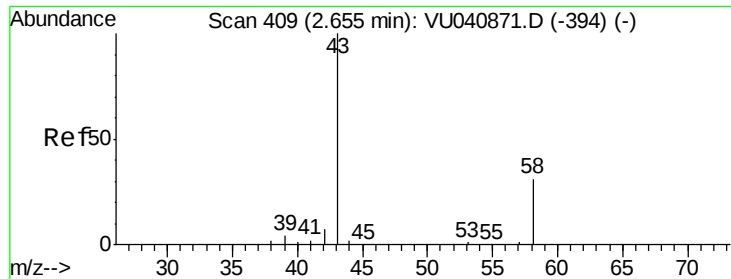
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.59

Time-->

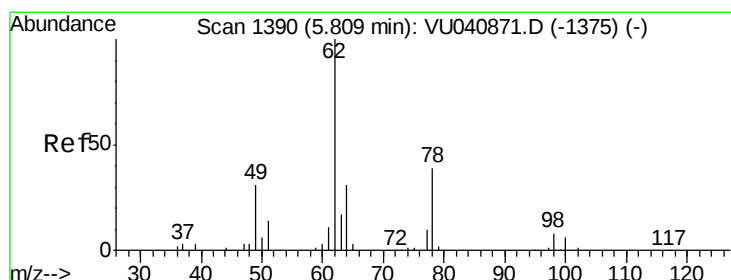
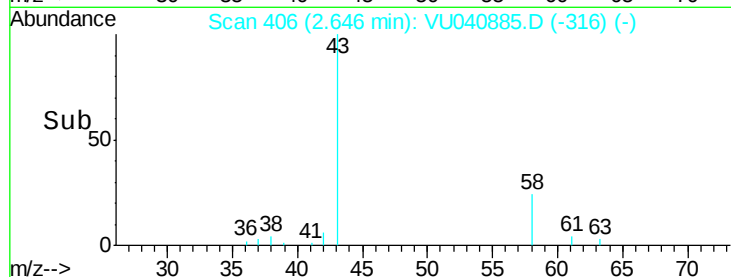
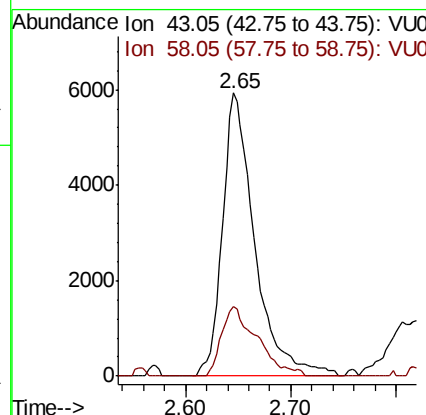
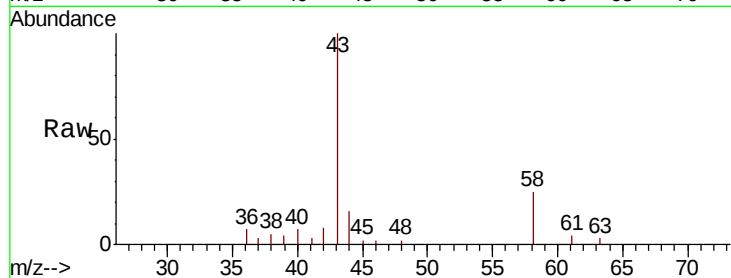




#13
Acetone
Concen: 3.198 ug/L
RT: 2.65 min Scan# 406
Delta R.T. -0.01 min
Lab File: VU040885.D
Acq: 21 Oct 2020 20:13

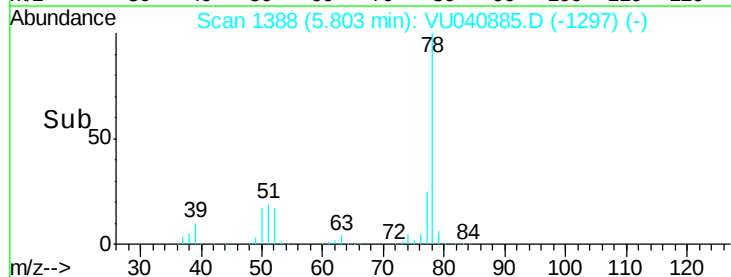
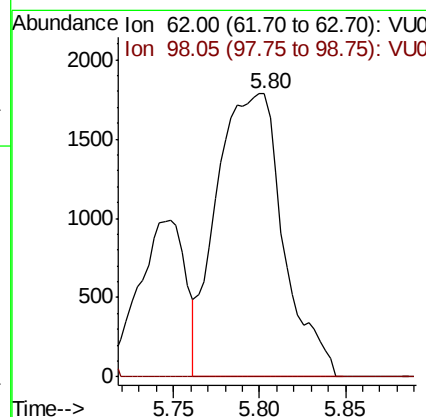
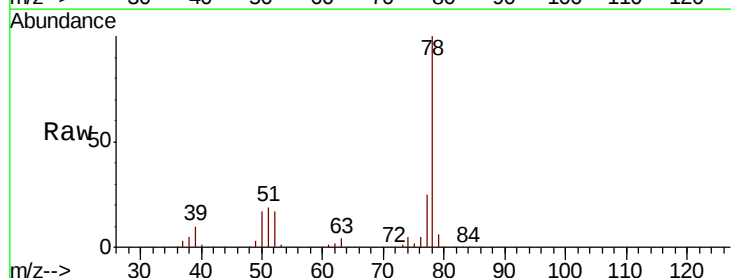
Instrument :
MSVOA_U
ClientSampleId :
ETZ50MSD

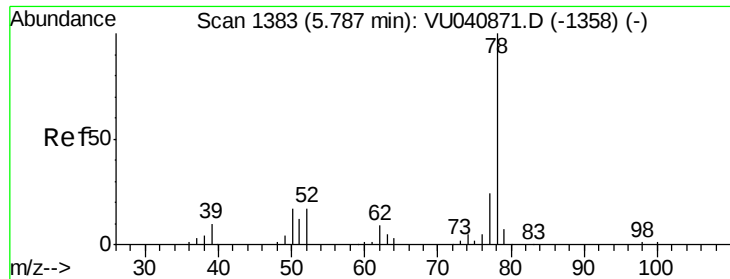
Tot Ion: 43 Resp: 12559
Ion Ratio Lower Upper
43 100
58 27.2 0.0 58.6



#27
1,2-Dichloroethane
Concen: 0.197 ug/L
RT: 5.80 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VU040885.D
Acq: 21 Oct 2020 20:13

Tgt Ion: 62 Resp: 4807
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#





#33

Benzene

Concen: 5.223 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040885.D

Acq: 21 Oct 2020 20:13

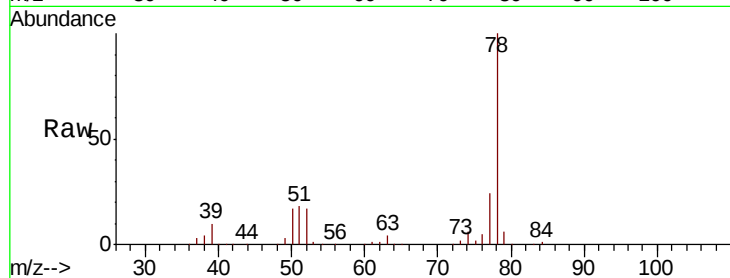
Instrument :

MSVOA_U

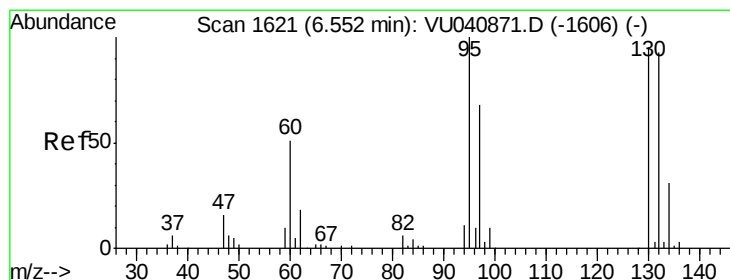
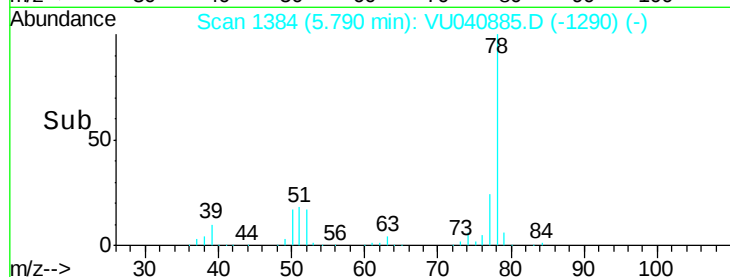
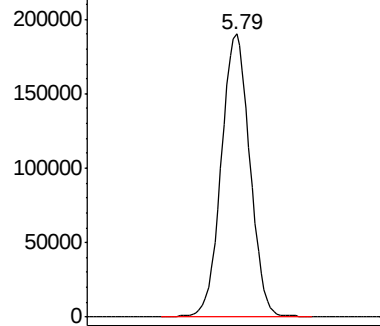
ClientSampled :

ETZ50MSD

Tgt Ion: 78 Resp: 390979



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.187 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040885.D

Acq: 21 Oct 2020 20:13

Tgt Ion: 95 Resp: 98817

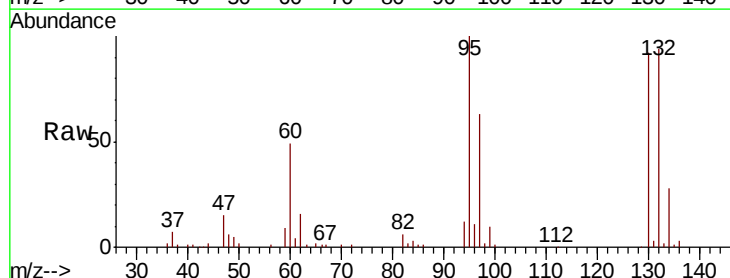
Ion	Ratio	Lower	Upper
95	100		
97	62.7	46.0	85.4
132	93.6	63.6	118.2
130	92.2	68.6	127.4

95 100

97 62.7 46.0 85.4

132 93.6 63.6 118.2

130 92.2 68.6 127.4



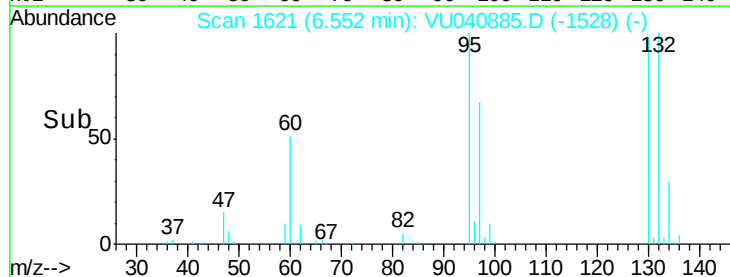
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

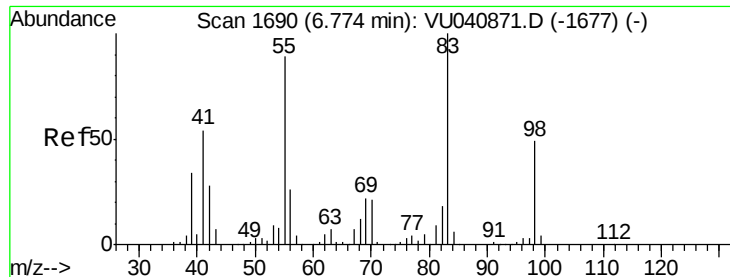
Ion 129.95 (129.65 to 130.65): VU0

6.55



Time-->

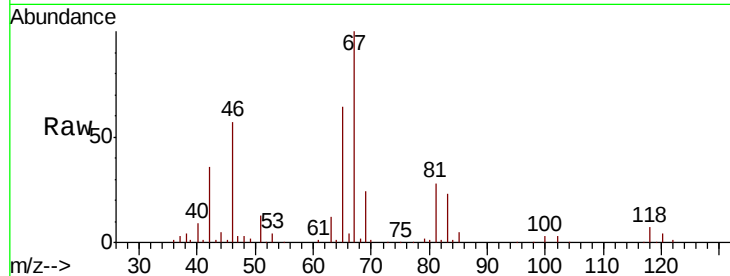
6.55



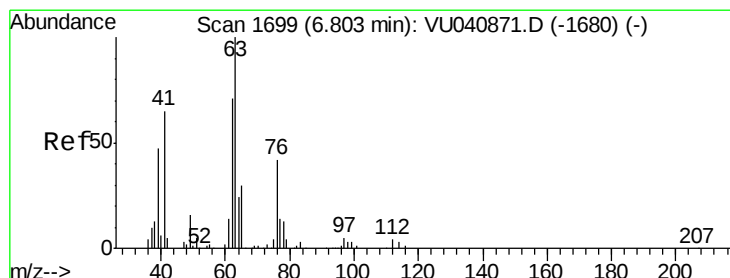
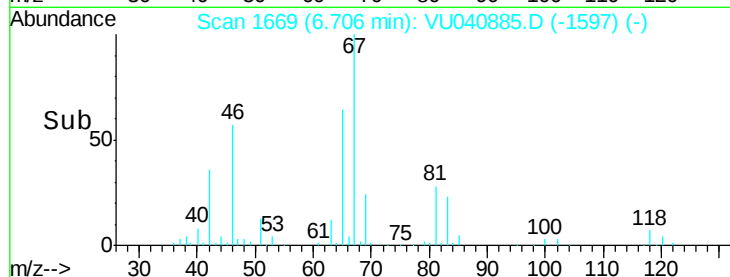
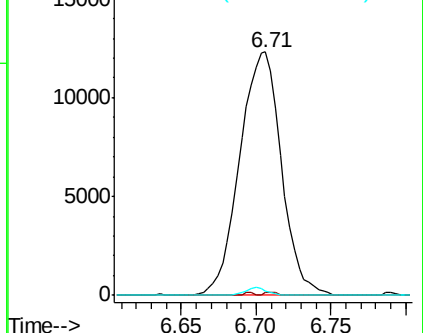
#35
Methvlcvclohexane
Concen: 0.836 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040885.D
Acq: 21 Oct 2020 20:13

Instrument :
MSVOA_U
ClientSampleId :
ETZ50MSD

Tot Ion: 83 Resp: 23850
Ion Ratio Lower Upper
83 100
55 0.3 69.1 103.7#
98 0.0 37.8 56.6#

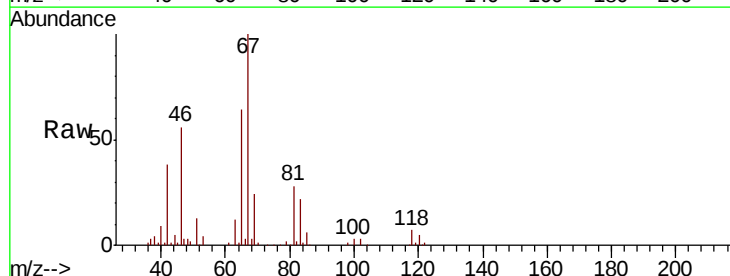


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

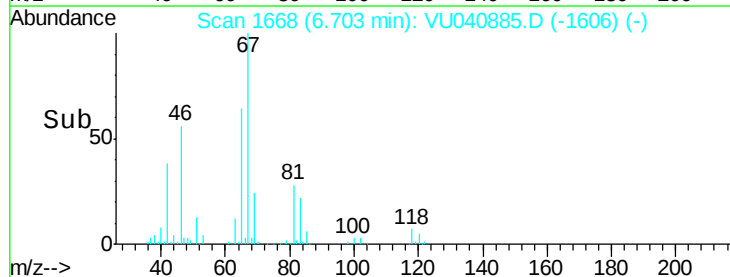
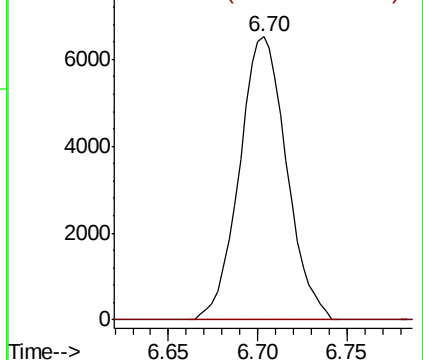


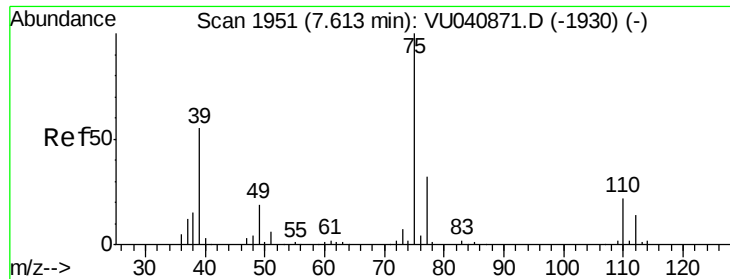
#37
1,2-Dichloropropane
Concen: 0.597 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040885.D
Acq: 21 Oct 2020 20:13

Tgt Ion: 63 Resp: 12056
Ion Ratio Lower Upper
63 100
112 0.6 3.0 4.6#



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

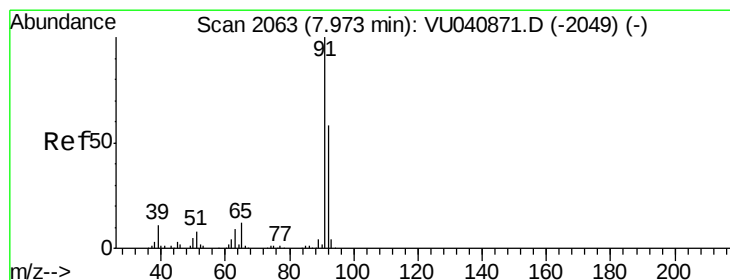
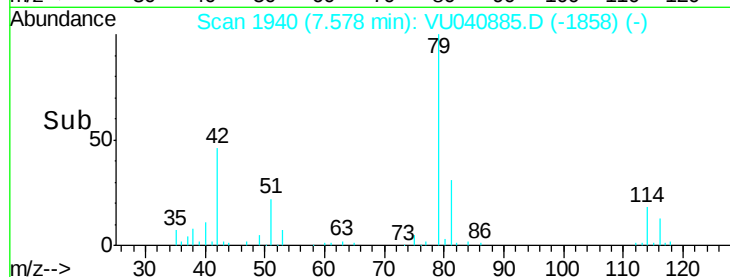
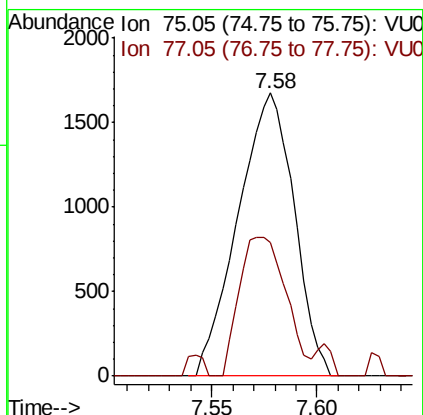
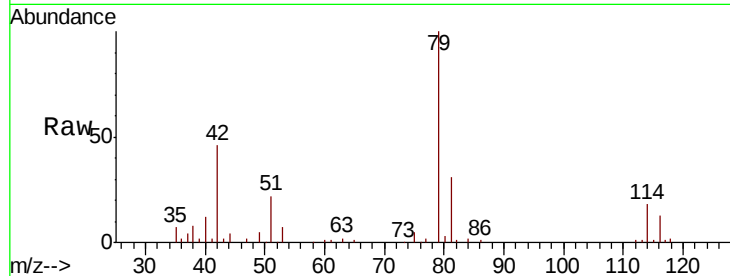




#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040885.D
 Acq: 21 Oct 2020 20:13

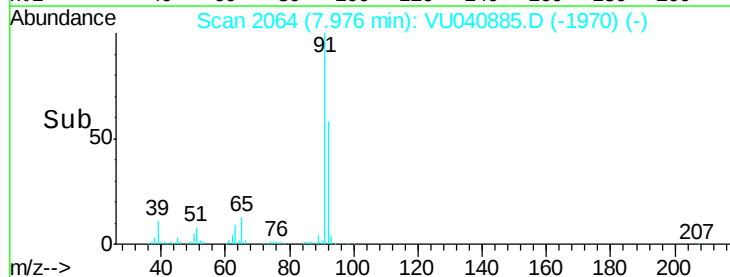
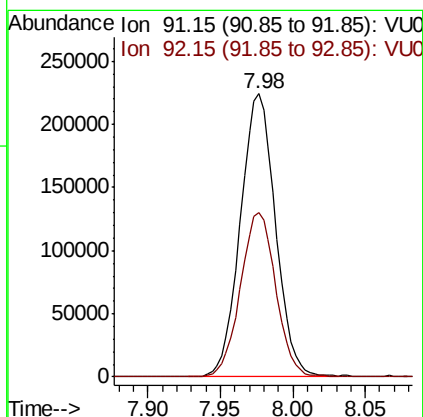
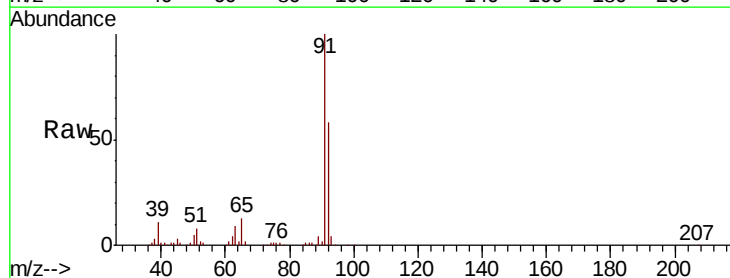
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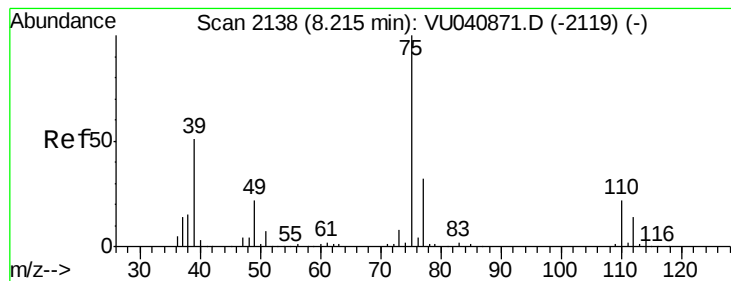
Tot Ion: 75 Resp: 3100
 Ion Ratio Lower Upper
 75 100
 77 47.2 21.6 40.2#



#42
 Toluene
 Concen: 5.028 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040885.D
 Acq: 21 Oct 2020 20:13

Tgt Ion: 91 Resp: 378036
 Ion Ratio Lower Upper
 91 100
 92 58.3 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040885.D

Acq: 21 Oct 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

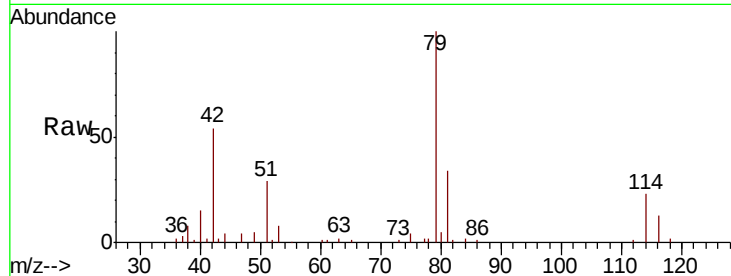
ETZ50MSD

Tot Ion: 75 Resp: 2005

Ion Ratio Lower Upper

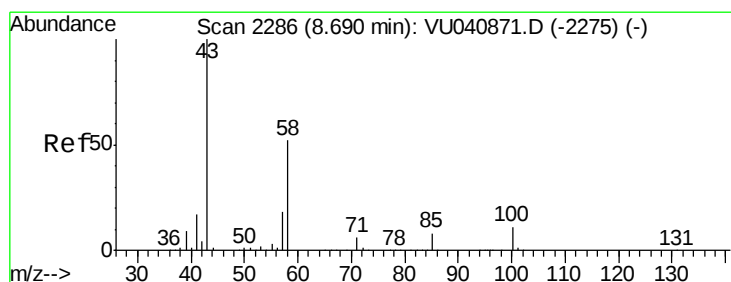
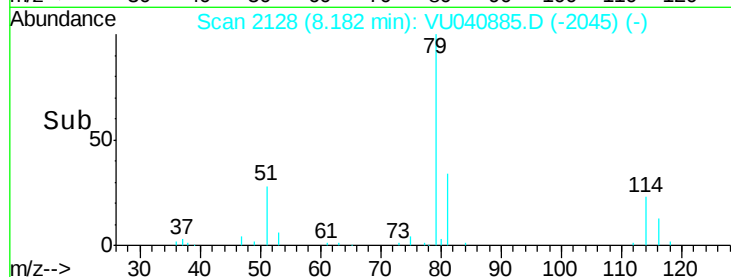
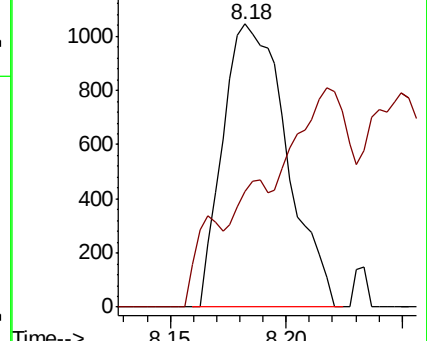
75 100

77 41.0 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU040885.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU040885.D (-2045) (-)



#48

2-Hexanone

Concen: 3.592 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040885.D

Acq: 21 Oct 2020 20:13

Tgt Ion: 43 Resp: 35440

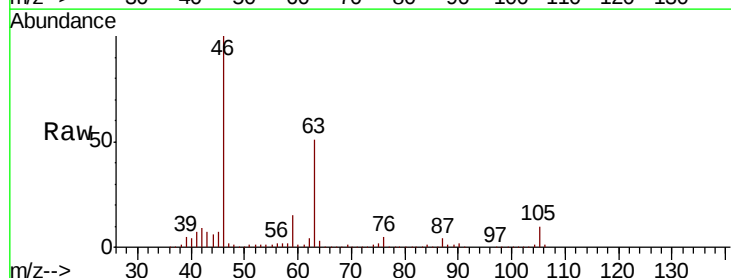
Ion Ratio Lower Upper

43 100

58 30.3 40.9 61.3#

57 31.3 14.4 21.6#

100 2.1 8.3 12.5#

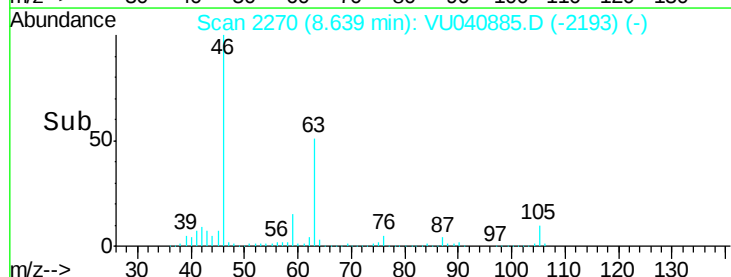
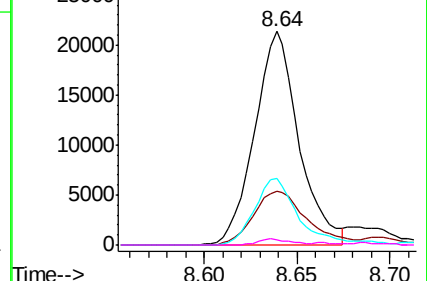


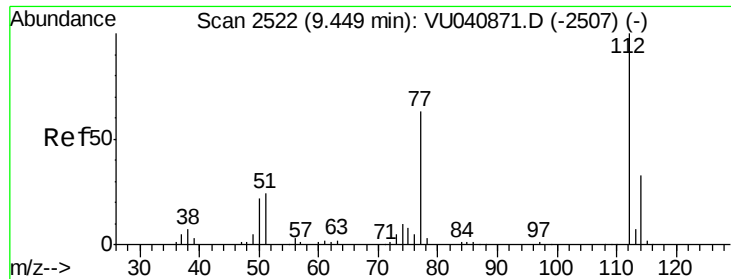
Abundance Ion 43.05 (42.75 to 43.75): VU040885.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040885.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040885.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040885.D (-2193) (-)

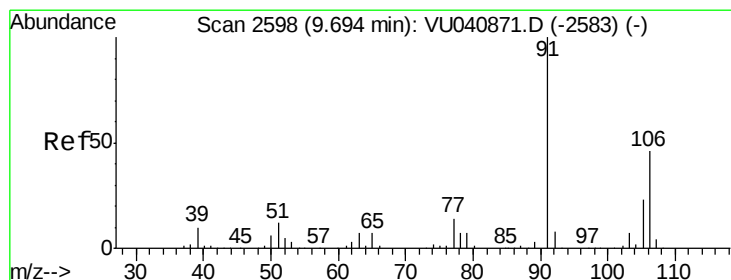
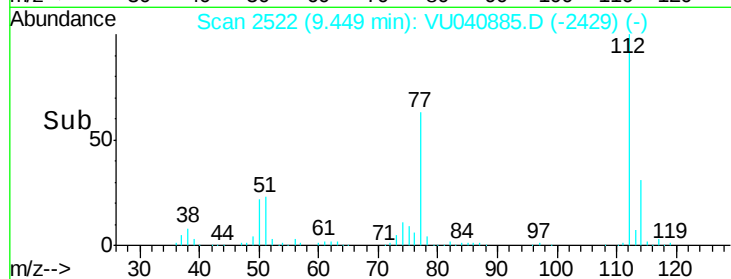
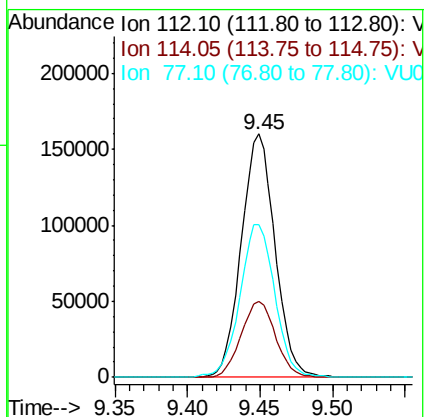
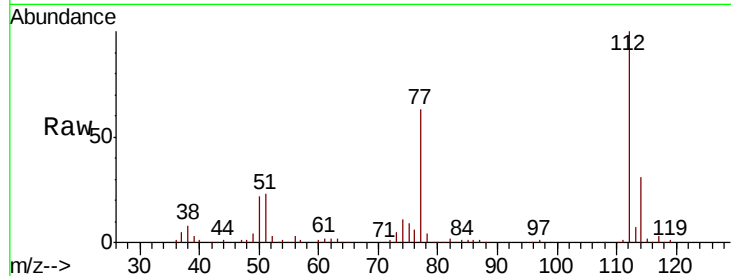




#51
Chlorobenzene
Concen: 5.336 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040885.D
Acq: 21 Oct 2020 20:13

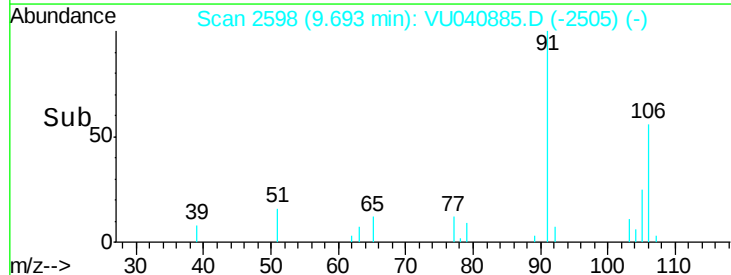
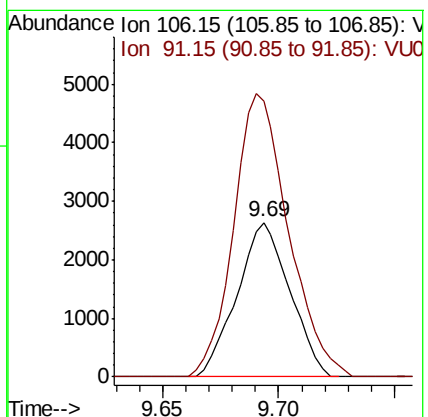
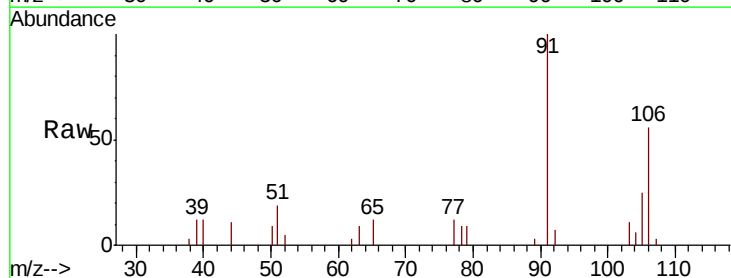
Instrument :
MSVOA_U
ClientSampleId :
ETZ50MSD

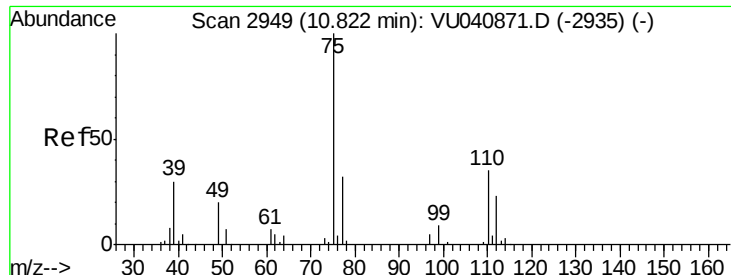
Tot Ion:112 Resp: 259049
Ion Ratio Lower Upper
112 100
114 31.2 22.3 41.3
77 62.7 49.8 74.6



#53
m,p-Xylene
Concen: 0.143 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040885.D
Acq: 21 Oct 2020 20:13

Tgt Ion:106 Resp: 4171
Ion Ratio Lower Upper
106 100
91 179.1 153.3 284.7





#59

1,2,3-Trichloropropane

Concen: 1.035 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040885.D

Acq: 21 Oct 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

ETZ50MSD

Tot Ion: 75 Resp: 13594

Ion Ratio Lower Upper

75 100

77 40.9 27.5 41.3

