

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041137.D
 Acq On : 09 Nov 2020 13:54
 Operator : SY/MD
 Sample : L4646-04MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0F9MSD

Quant Time: Nov 10 01:12:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	49258	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	52302	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21443	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16764	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.92	69	15382	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.58	63	38923	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.65	46	84770	62.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.40%
24) Chloroform-d	5.08	84	42013	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.00%
26) 1,2-Dichloroethane-d4	5.72	65	27800	6.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.60%
32) Benzene-d6	5.74	84	73407	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.70	67	26264	5.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.40%
41) Toluene-d8	7.91	98	58982	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	8.19	79	10261	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.64	63	61439	57.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24487	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	26446	7.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	140.60%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.96	64	174	0.059	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	204	0.055	ug/L #	1
12) 1,1-Dichloroethene	2.59	96	20999	6.035	ug/L	86
13) Acetone	2.66	43	3160	3.392	ug/L	100
15) Methyl Acetate	2.73	43	192	0.090	ug/L #	53
22) cis-1,2-Dichloroethene	4.69	96	3507	0.962	ug/L	97
25) Chloroform	5.11	83	900	0.127	ug/L	89
27) 1,2-Dichloroethane	5.79	62	1057	0.200	ug/L #	74
33) Benzene	5.79	78	94528	6.049	ug/L	100
34) Trichloroethene	6.55	95	39156	9.845	ug/L	95
35) Methylcyclohexane	6.70	83	6296	1.061	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3356	0.794	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	793	0.136	ug/L	91
42) Toluene	7.98	91	95055	5.998	ug/L	98
44) trans-1,3-Dichloropropene	8.18	75	485	0.089	ug/L #	75
51) Chlorobenzene	9.45	112	64785	6.447	ug/L	97
59) 1,2,3-Trichloropropane	11.81	75	3064	0.972	ug/L #	86

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 10 01:04:12 2020
Response via : Initial Calibration

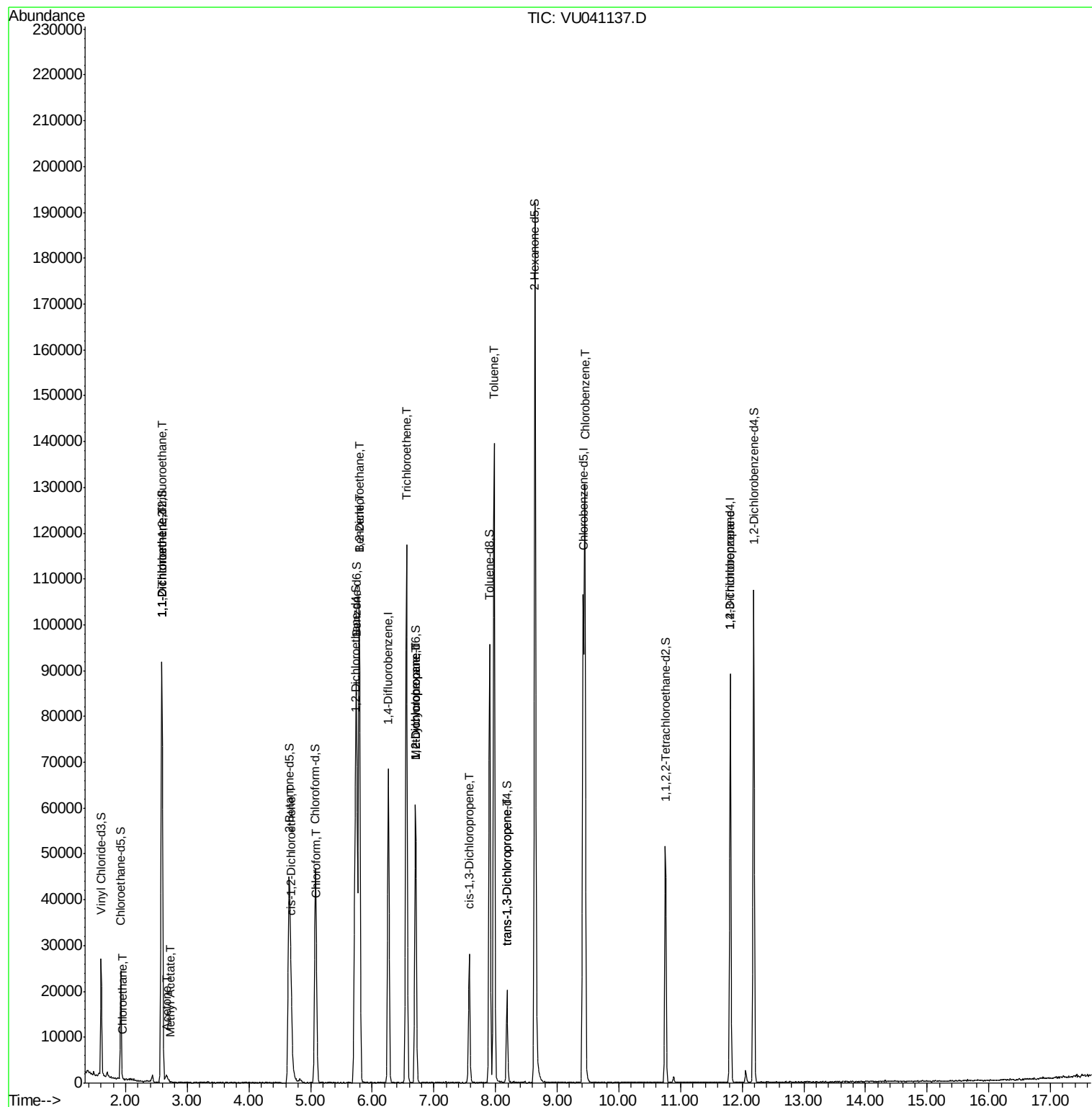
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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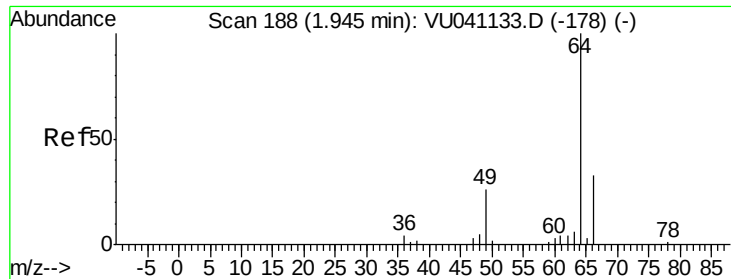
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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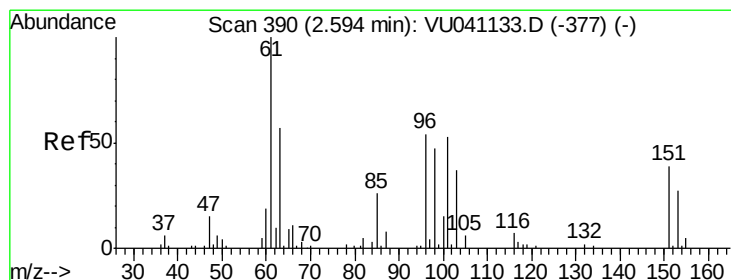
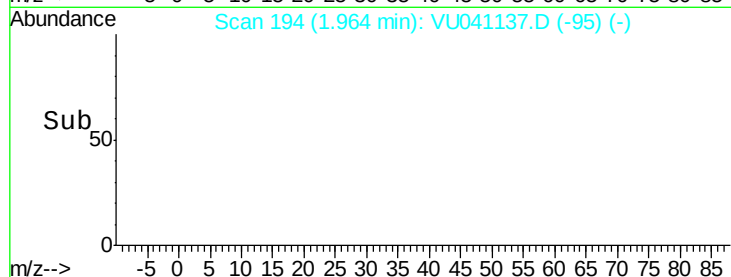
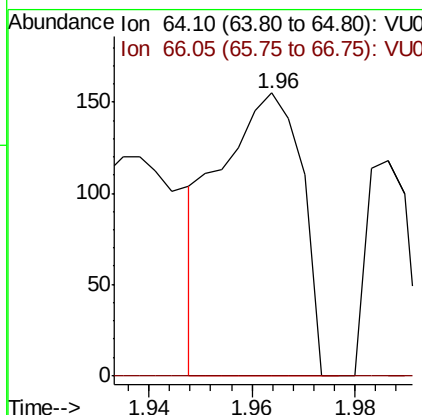
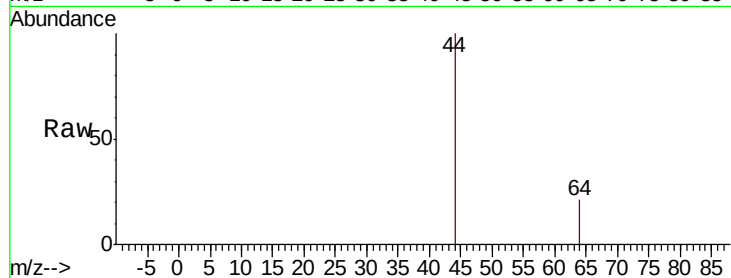




#8
Chloroethane
Concen: 0.059 ug/L
RT: 1.96 min Scan# 194
Delta R.T. 0.02 min
Lab File: VU041137.D
Acq: 09 Nov 2020 13:54

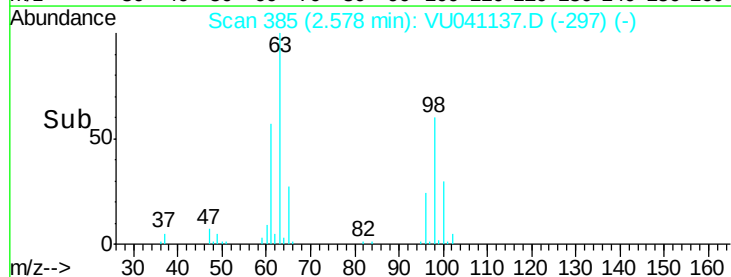
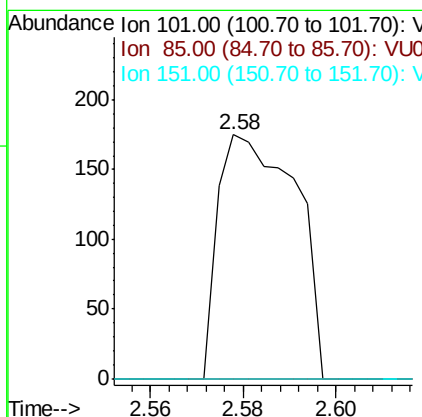
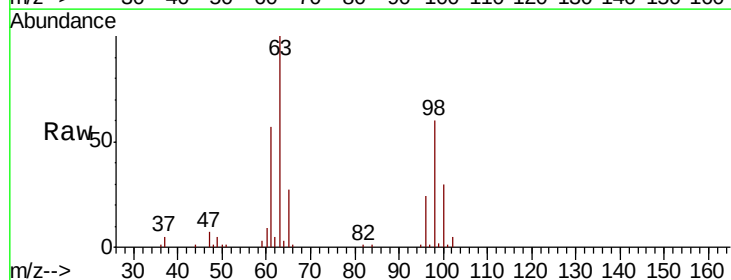
Instrument :
MSVOA_U
ClientSampleId :
GB0F9MSD

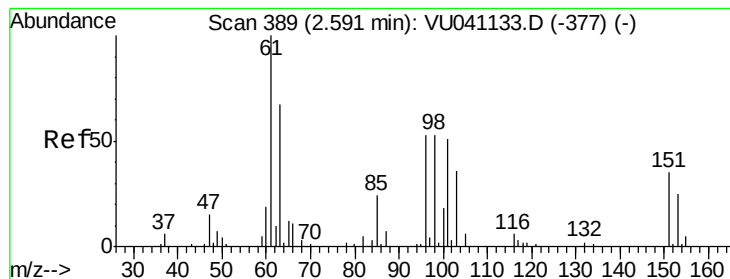
Tot Ion: 64 Resp: 174
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.055 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.02 min
Lab File: VU041137.D
Acq: 09 Nov 2020 13:54

Tgt Ion: 101 Resp: 204
Ion Ratio Lower Upper
101 100
85 286.3 35.0 52.4#
151 0.0 55.3 82.9#





#12

1,1-Dichloroethene

Concen: 6.035 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041137.D

Acq: 09 Nov 2020 13:54

Instrument :

MSVOA_U

ClientSampleId :

GB0F9MSD

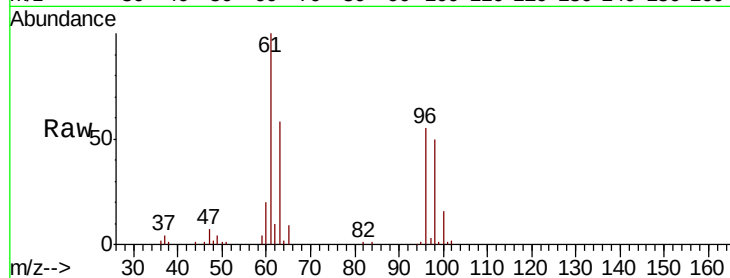
Tot Ion: 96 Resp: 20999

Ion Ratio Lower Upper

96 100

61 182.2 134.3 249.5

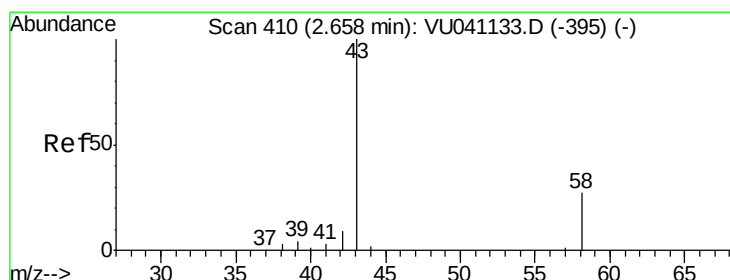
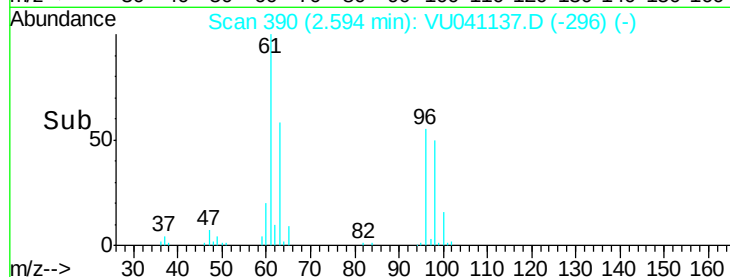
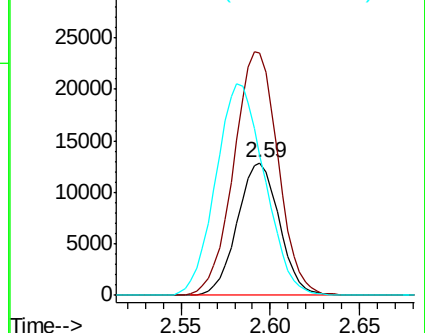
63 105.4 95.0 176.4



Abundance Ion 96.00 (95.70 to 96.70): VU041137.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU041137.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU041137.D (-296) (-)



#13

Acetone

Concen: 3.392 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041137.D

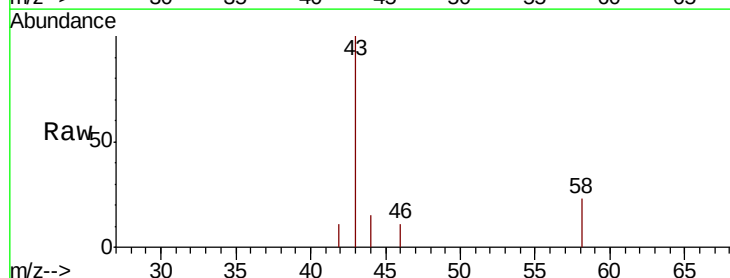
Acq: 09 Nov 2020 13:54

Tgt Ion: 43 Resp: 3160

Ion Ratio Lower Upper

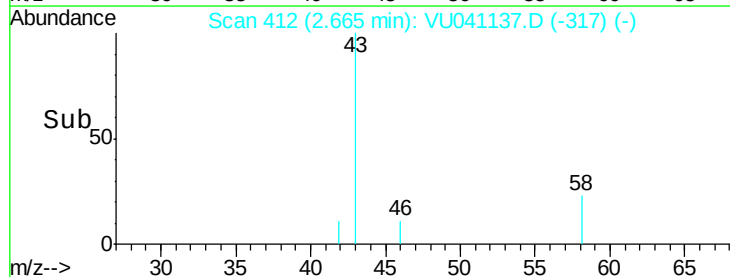
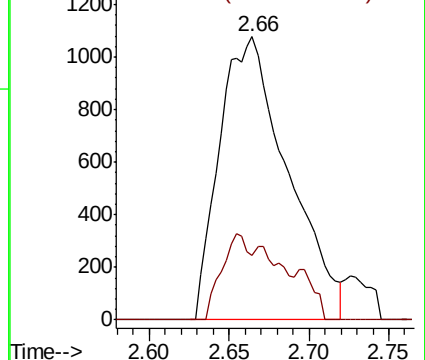
43 100

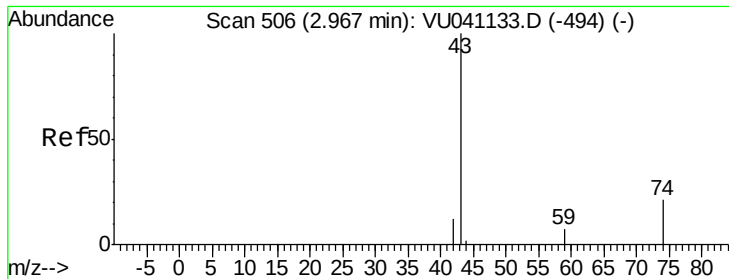
58 12.8 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041137.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU041137.D (-317) (-)





#15

Methyl Acetate

Concen: 0.090 ug/L

RT: 2.73 min Scan# 431

Delta R.T. -0.24 min

Lab File: VU041137.D

Acq: 09 Nov 2020 13:54

Instrument :

MSVOA_U

ClientSampled :

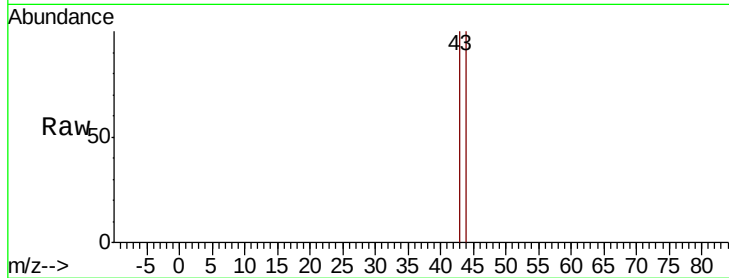
GB0F9MSD

Tot Ion: 43 Resp: 192

Ion Ratio Lower Upper

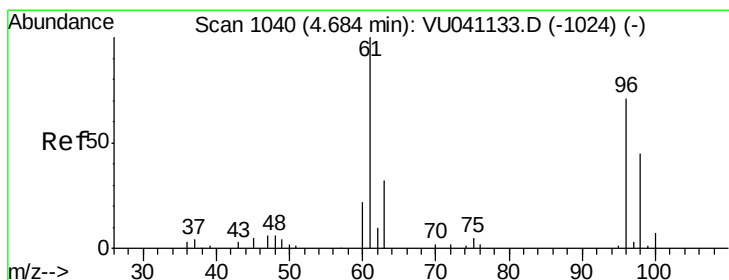
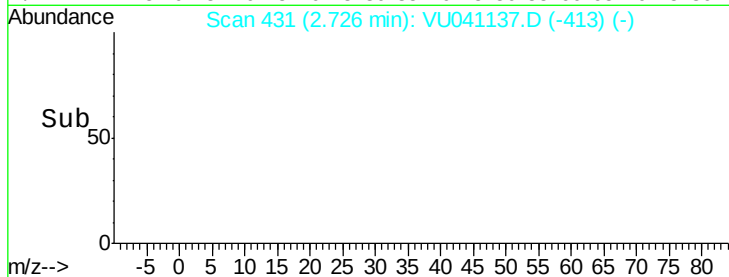
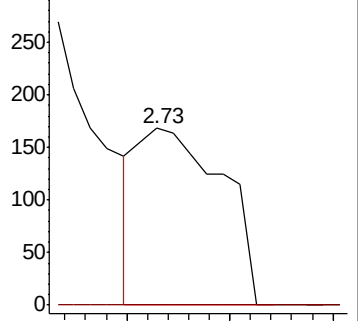
43 100

74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.962 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU041137.D

Acq: 09 Nov 2020 13:54

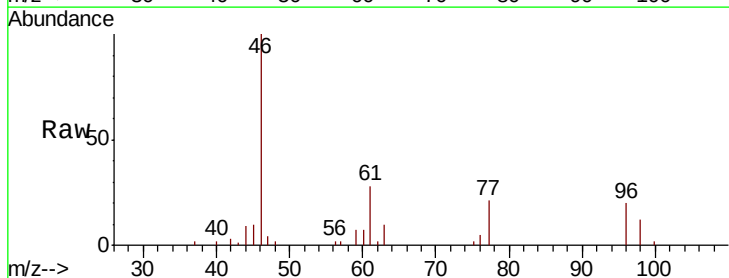
Tgt Ion: 96 Resp: 3507

Ion Ratio Lower Upper

96 100

61 142.7 97.2 180.4

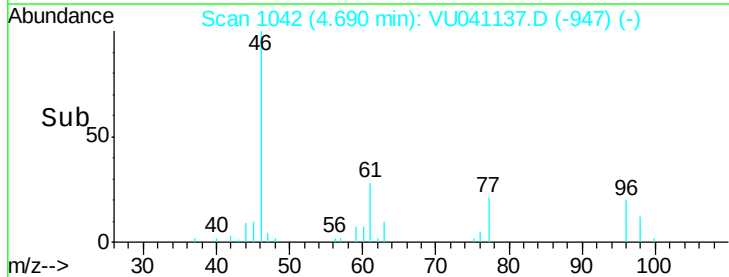
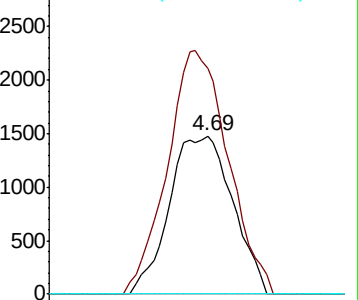
68 0.0 0.0 0.0

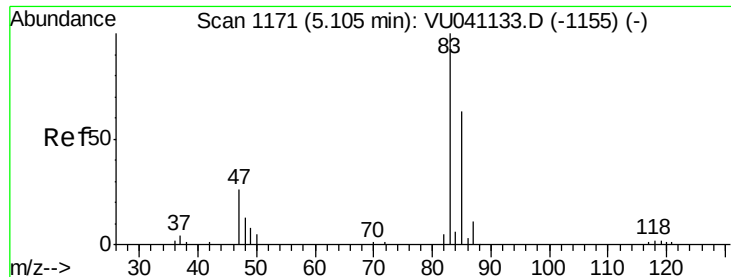


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

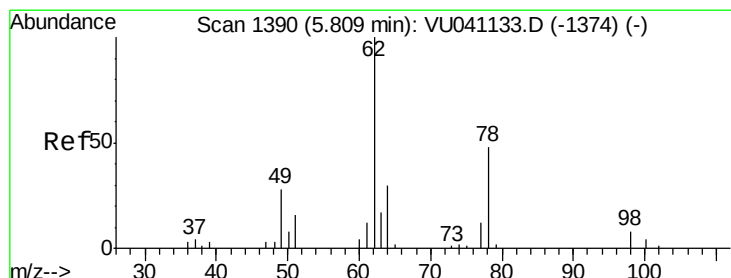
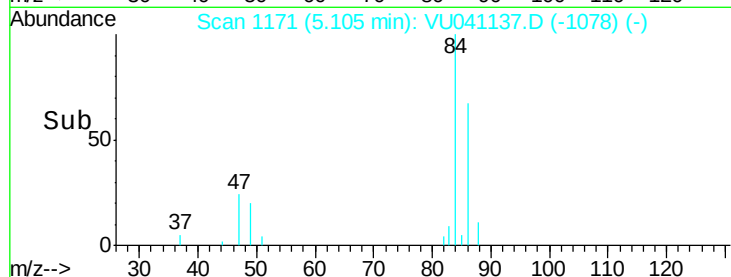
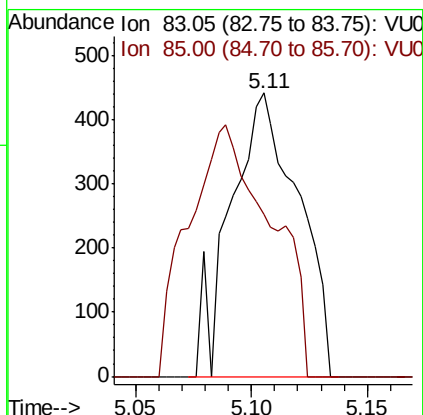
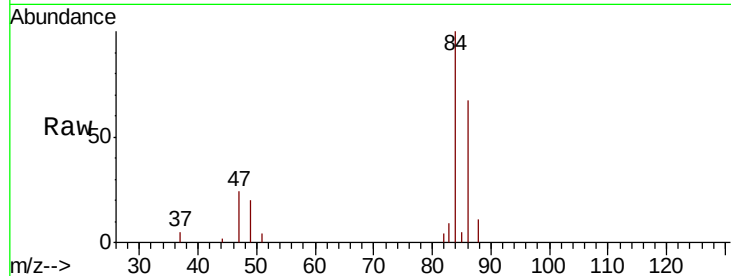




#25
Chloroform
Concen: 0.127 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041137.D
Acq: 09 Nov 2020 13:54

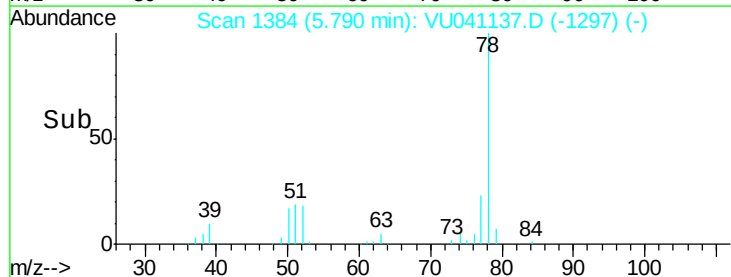
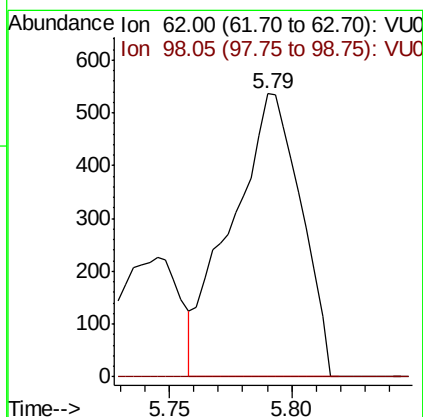
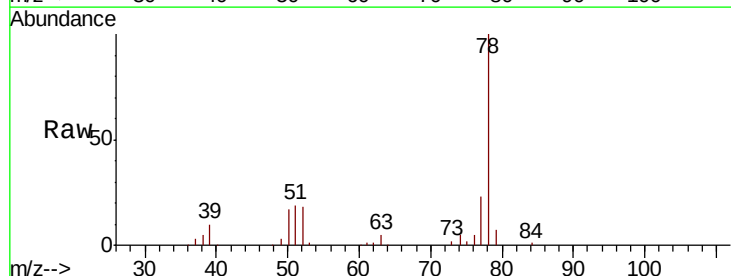
Instrument :
MSVOA_U
ClientSampleId :
GB0F9MSD

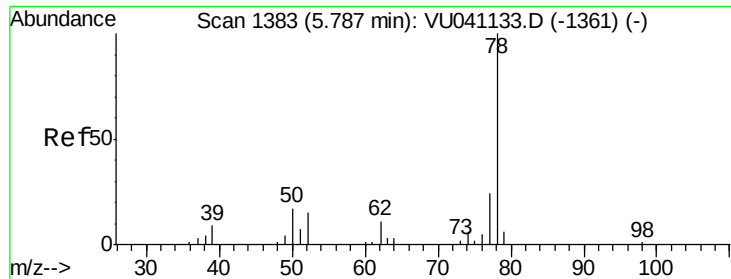
Tot Ion: 83 Resp: 900
Ion Ratio Lower Upper
83 100
85 57.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.200 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VU041137.D
Acq: 09 Nov 2020 13:54

Tgt Ion: 62 Resp: 1057
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#

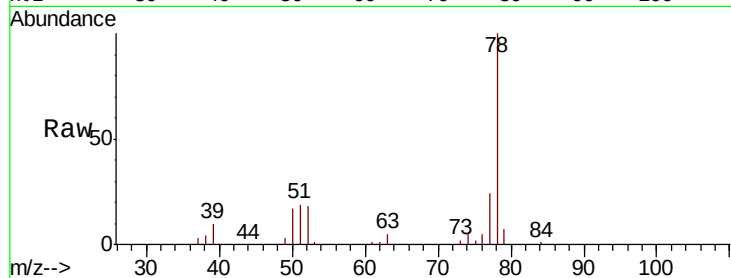




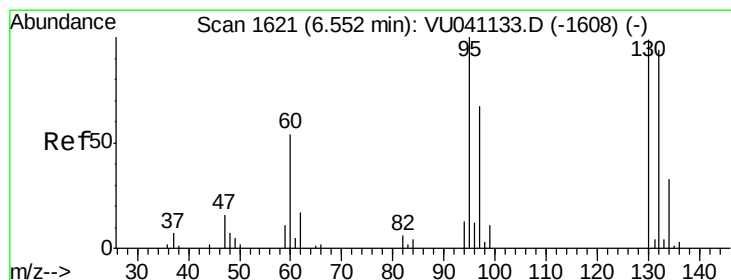
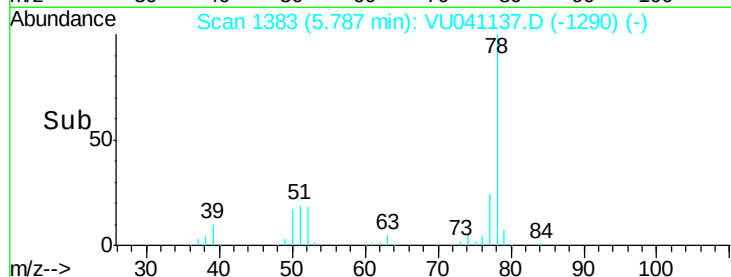
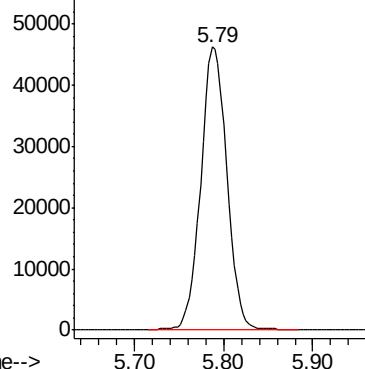
#33
Benzene
Concen: 6.049 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041137.D
Acq: 09 Nov 2020 13:54

Instrument :
MSVOA_U
ClientSampleId :
GB0F9MSD

Tgt Ion: 78 Resp: 94528



Abundance Ion 78.10 (77.80 to 78.80): VU0



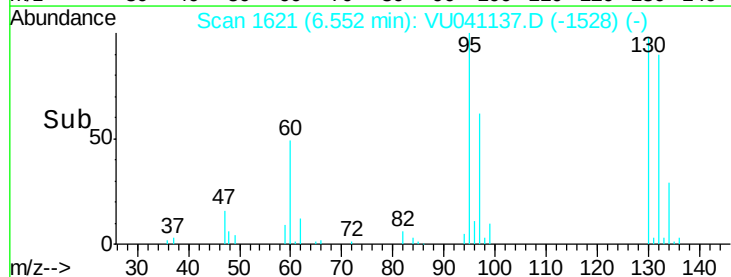
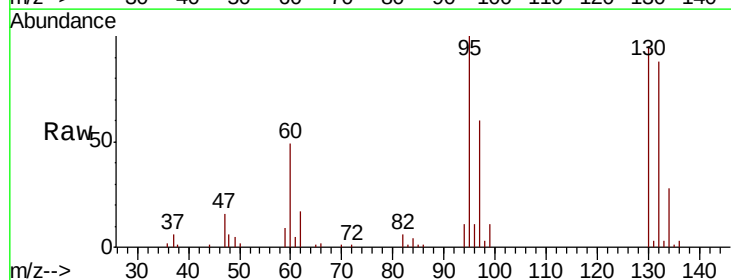
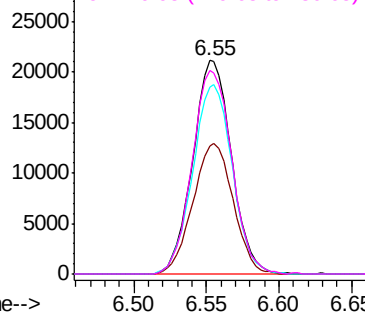
#34
Trichloroethene
Concen: 9.845 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041137.D
Acq: 09 Nov 2020 13:54

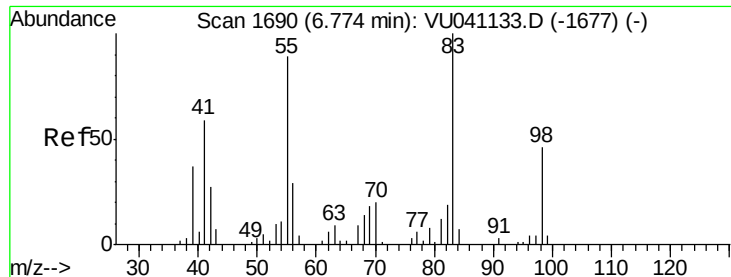
Tgt Ion: 95 Resp: 39156

Ion	Ratio	Lower	Upper
95	100		
97	60.0	45.6	84.6
132	87.7	64.8	120.4
130	95.5	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): VU0
Ion 129.95 (129.65 to 130.65): VU0

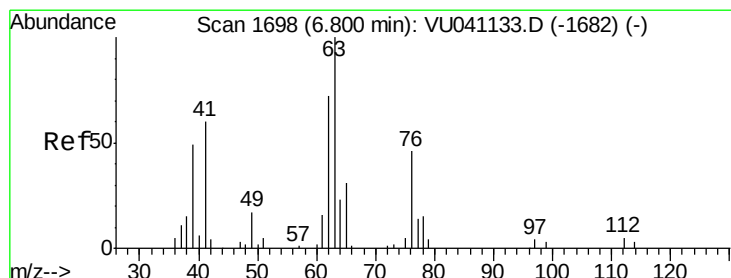
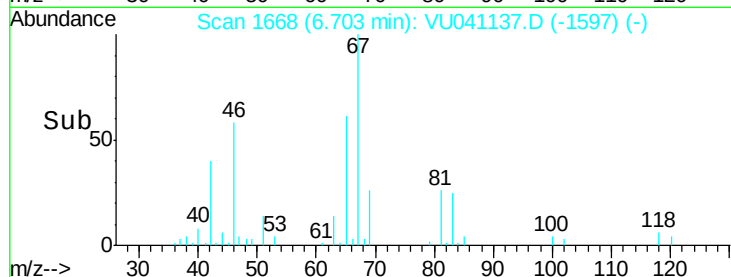
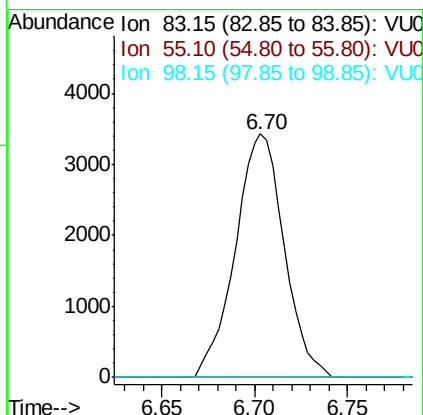
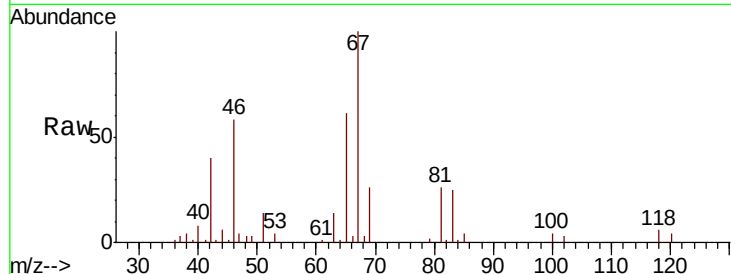




#35
Methylvlcyclohexane
Concen: 1.061 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041137.D
Acq: 09 Nov 2020 13:54

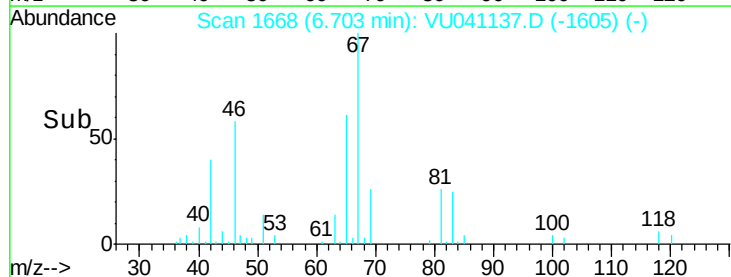
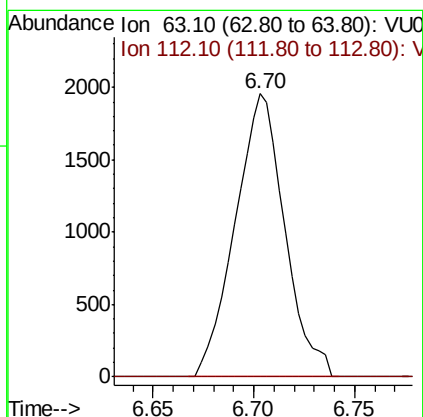
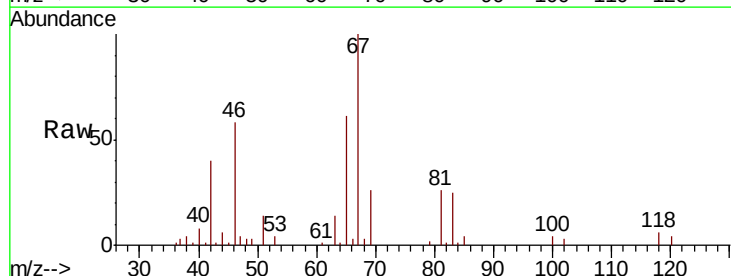
Instrument :
MSVOA_U
ClientSampleId :
GB0F9MSD

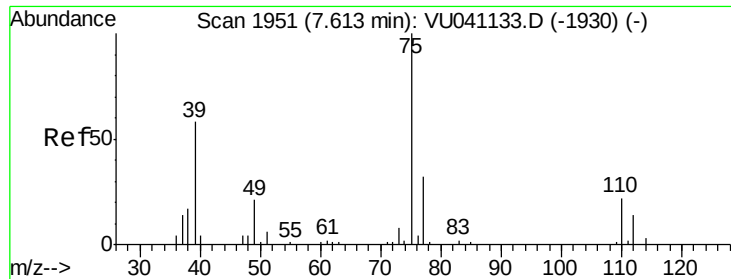
Tot Ion: 83 Resp: 6296
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.794 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041137.D
Acq: 09 Nov 2020 13:54

Tgt Ion: 63 Resp: 3356
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

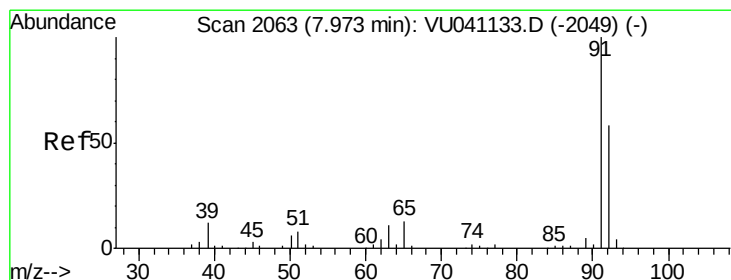
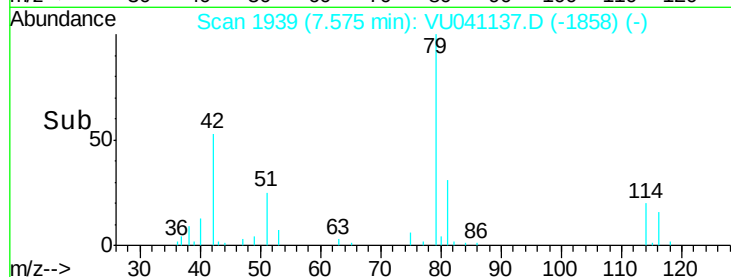
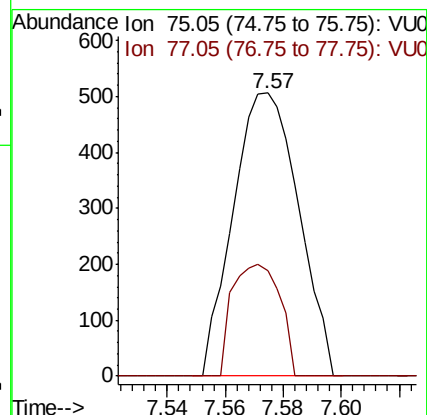
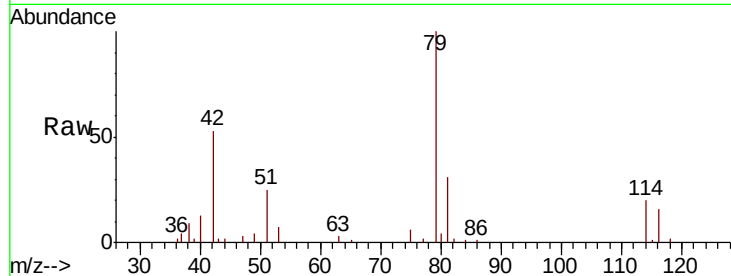




#39
 cis-1,3-Dichloropropene
 Concen: 0.136 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041137.D
 Acq: 09 Nov 2020 13:54

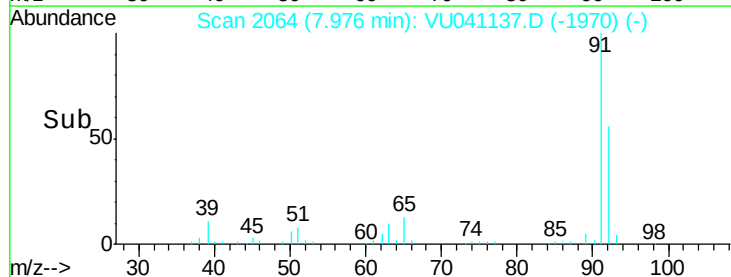
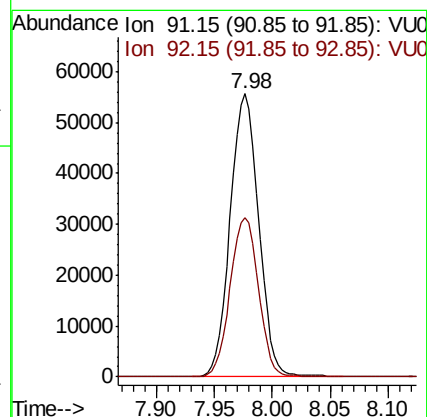
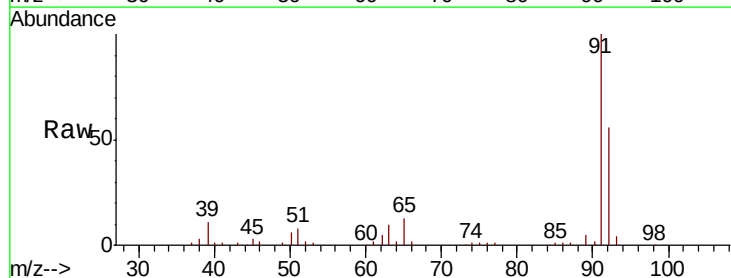
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0F9MSD

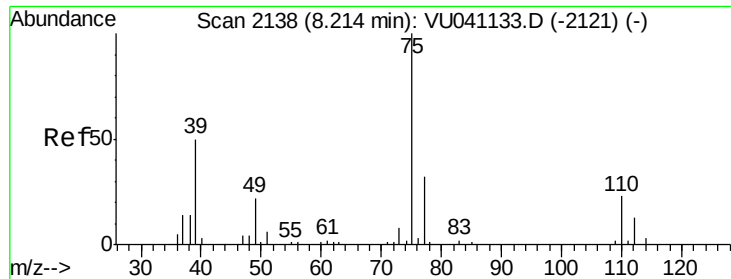
Tot Ion: 75 Resp: 793
 Ion Ratio Lower Upper
 75 100
 77 37.4 22.7 42.3



#42
 Toluene
 Concen: 5.998 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU041137.D
 Acq: 09 Nov 2020 13:54

Tgt Ion: 91 Resp: 95055
 Ion Ratio Lower Upper
 91 100
 92 56.4 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041137.D

Acq: 09 Nov 2020 13:54

Instrument :

MSVOA_U

ClientSampleId :

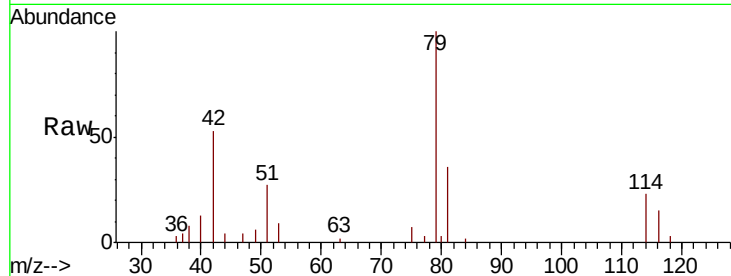
GB0F9MSD

Tot Ion: 75 Resp: 485

Ion Ratio Lower Upper

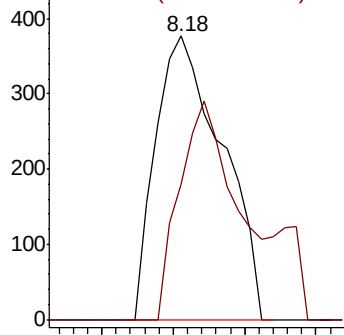
75 100

77 47.7 23.3 43.3#

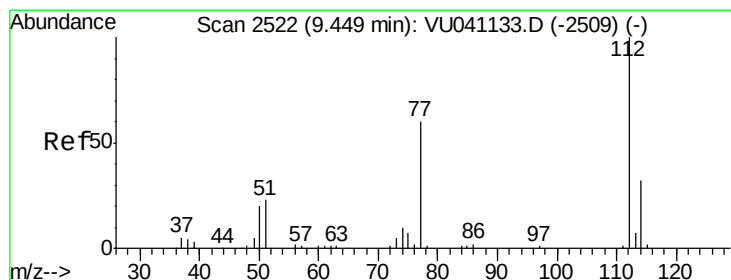
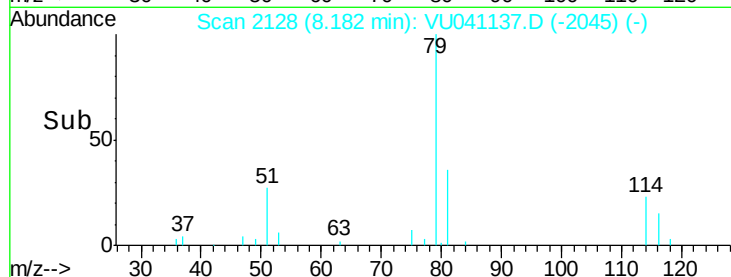


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time-->



#51

Chlorobenzene

Concen: 6.447 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU041137.D

Acq: 09 Nov 2020 13:54

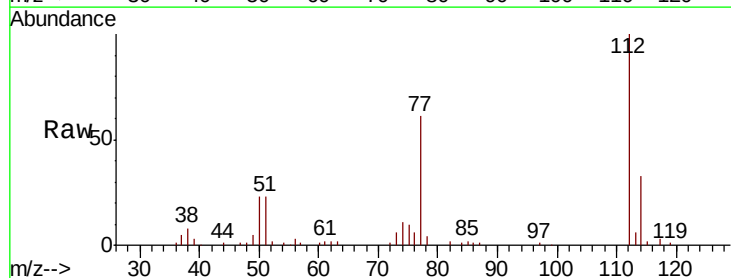
Tgt Ion: 112 Resp: 64785

Ion Ratio Lower Upper

112 100

114 32.8 22.4 41.6

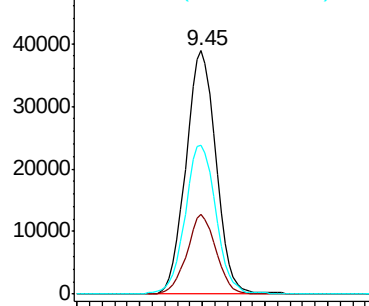
77 61.4 51.2 76.8



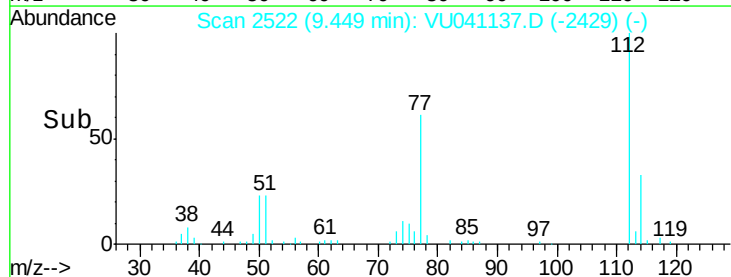
Abundance Ion 112.10 (111.80 to 112.80): V

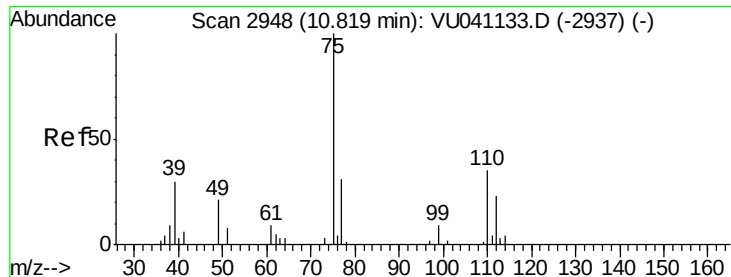
Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



Time-->





#59

1,2,3-Trichloropropane

Concen: 0.972 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041137.D

Acq: 09 Nov 2020 13:54

Instrument :

MSVOA_U

ClientSampleId :

GB0F9MSD

Tot Ion: 75 Resp: 3064

Ion Ratio Lower Upper

75 100

77 39.9 25.7 38.5#

