

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040808.D
 Acq On : 19 Oct 2020 16:50
 Operator : SY/MD
 Sample : L4354-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ25

Quant Time: Oct 20 01:38:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 01:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115154	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121670	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52436	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33964	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.92	69	33434	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.58	63	53442	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.66	46	181346	59.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.78%
24) Chloroform-d	5.08	84	81528	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	51609	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.74	84	140245	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.70	67	50822	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.91	98	104418	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.00%
43) trans-1,3-Dichloropropene-	8.19	79	19833	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.64	63	123115	51.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50783	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	47927	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	955	0.098 ug/L #	81
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	518	0.054 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	478	0.058 ug/L #	1
22) cis-1,2-Dichloroethene	4.69	96	3026	0.326 ug/L	96
25) Chloroform	5.11	83	2053	0.113 ug/L	96
35) Methylcyclohexane	6.70	83	12228	0.851 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5963	0.547 ug/L #	87
44) trans-1,3-Dichloropropene	8.19	75	1017	0.074 ug/L #	39
48) 2-Hexanone	8.69	43	6233	0.964 ug/L #	94
62) 1,3-Dichlorobenzene	11.74	146	988	0.058 ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	1288	0.073 ug/L	90
65) 1,2-Dichlorobenzene	12.20	146	1111	0.066 ug/L #	72
67) 1,3,5-Trichlorobenzene	13.83	180	1774	0.146 ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	1774	0.189 ug/L	94
69) Naphthalene	14.08	128	3993	0.259 ug/L	95
70) 1,2,3-Trichlorobenzene	14.32	180	2123	0.243 ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 01:28:45 2020
Response via : Initial Calibration

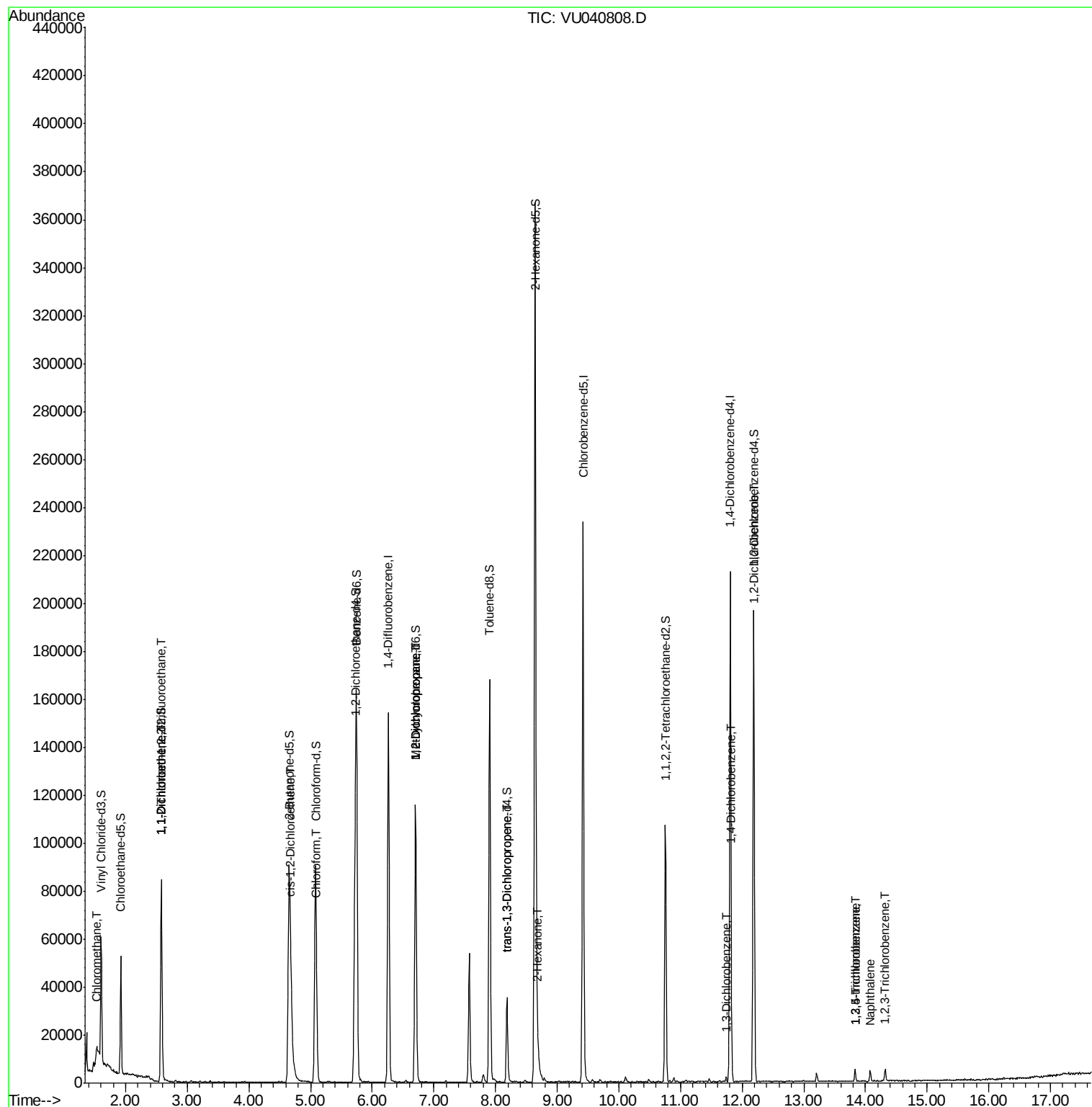
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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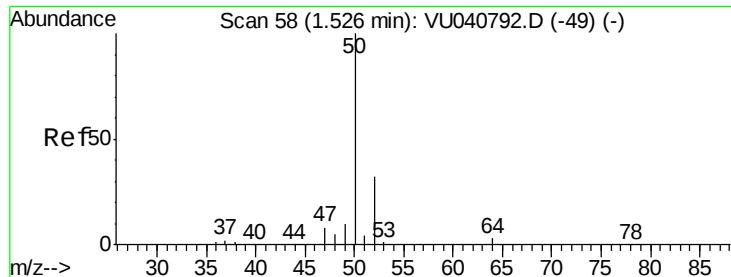
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.098 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040808.D

Acq: 19 Oct 2020 16:50

Instrument :

MSVOA_U

ClientSampleId :

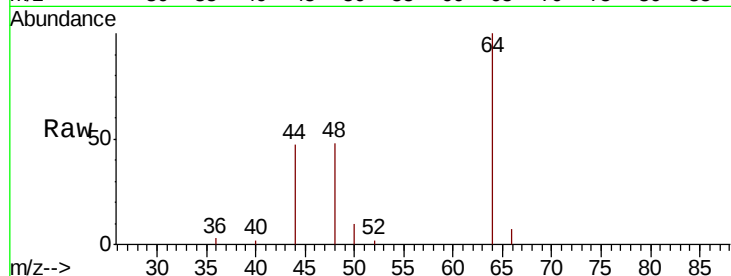
ETZ25

Tot Ion: 50 Resp: 955

Ion Ratio Lower Upper

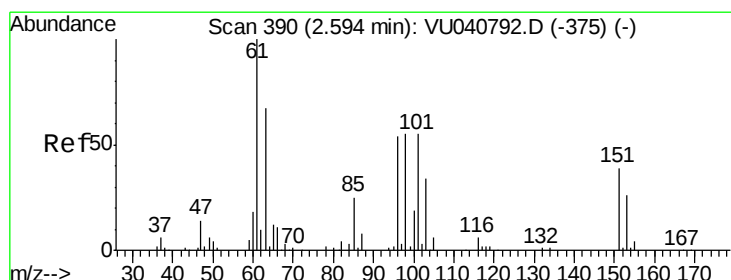
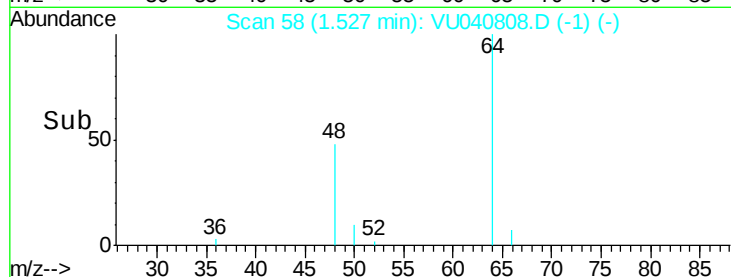
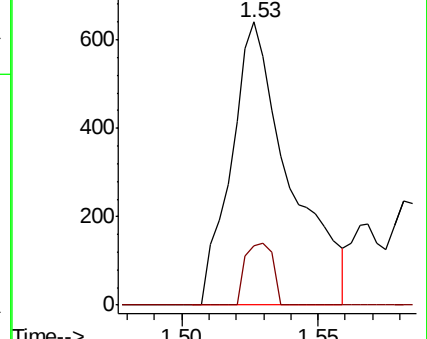
50 100

52 20.8 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU040808.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040808.D (-1) (-)



#10

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

Concen: 0.054 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040808.D

Acq: 19 Oct 2020 16:50

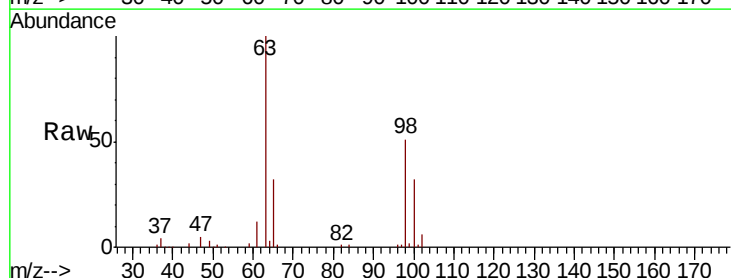
Tgt Ion:101 Resp: 518

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

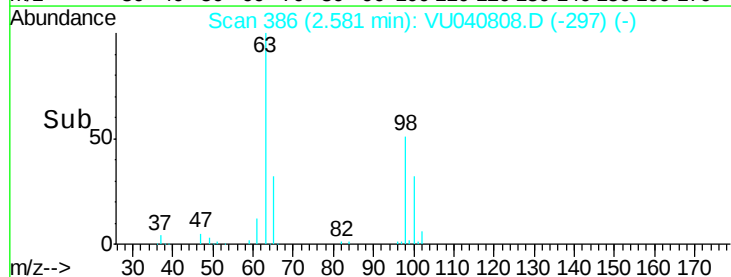
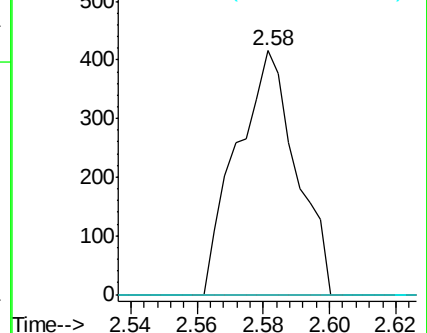
151 0.0 58.0 87.0#

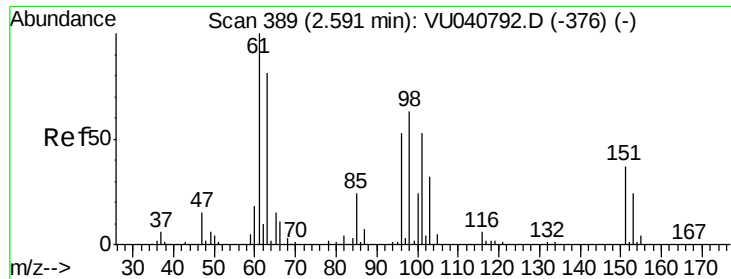


Abundance Ion 101.00 (100.70 to 101.70): VU040808.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040808.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040808.D (-297) (-)

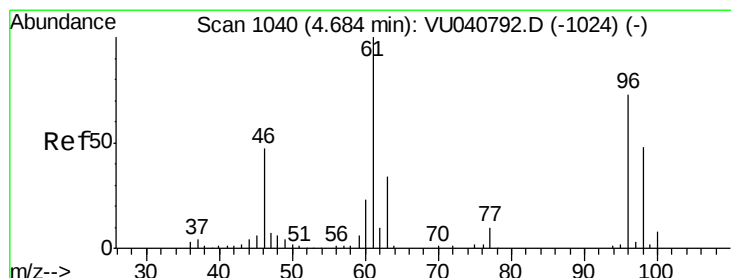
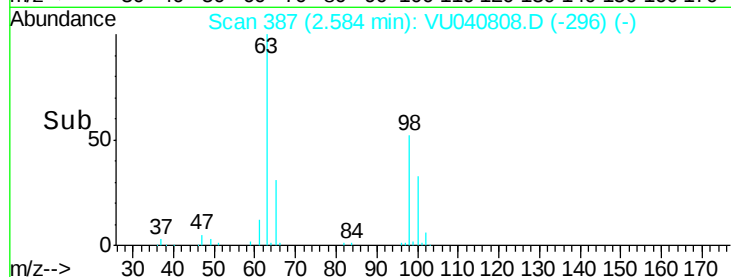
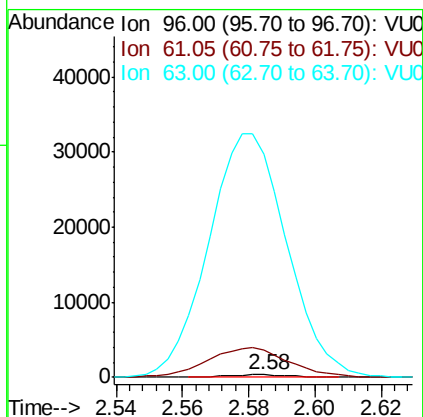
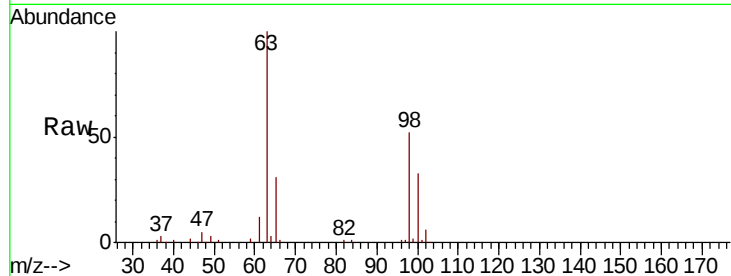




#12
 1,1-Dichloroethene
 Concen: 0.058 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VU040808.D
 Acq: 19 Oct 2020 16:50

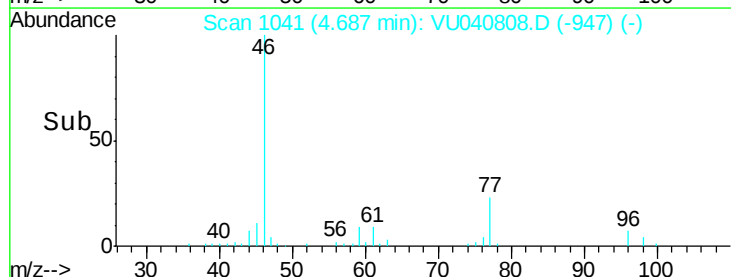
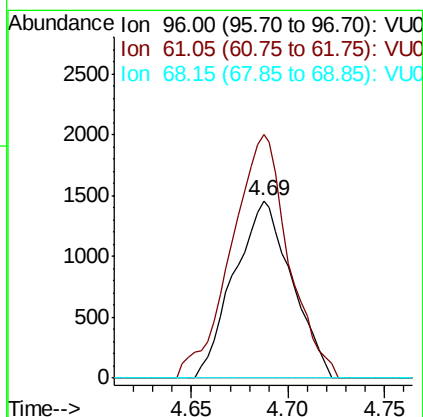
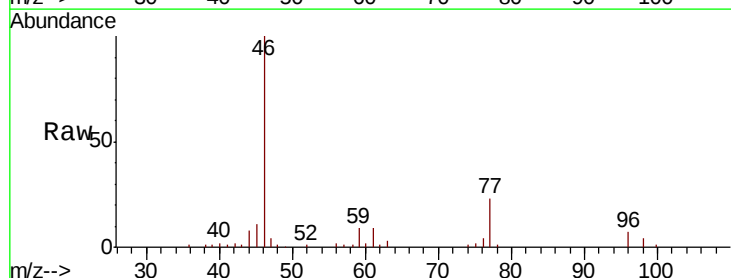
Instrument :
 MSVOA_U
 ClientSampled :
 ETZ25

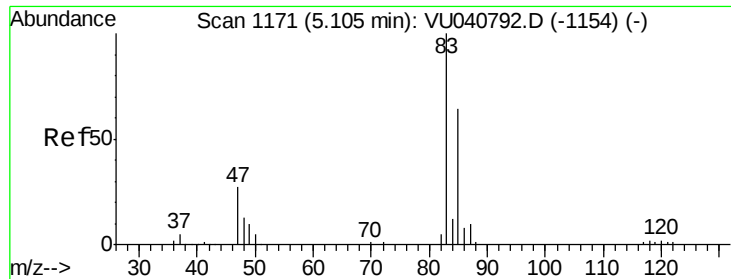
Tot Ion: 96 Resp: 478
 Ion Ratio Lower Upper
 96 100
 61 1074.4 128.8 239.2#
 63 8838.1 84.6 157.2#



#22
 cis-1,2-Dichloroethene
 Concen: 0.326 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040808.D
 Acq: 19 Oct 2020 16:50

Tgt Ion: 96 Resp: 3026
 Ion Ratio Lower Upper
 96 100
 61 137.2 99.8 185.4
 68 0.0 0.0 0.0

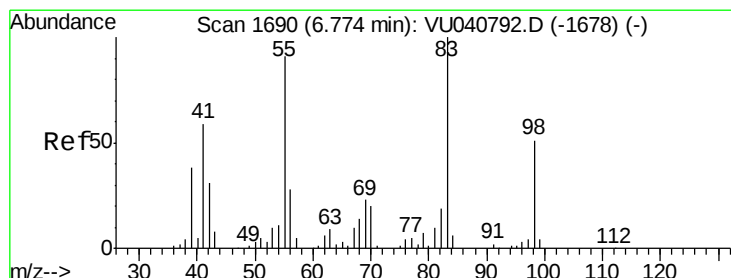
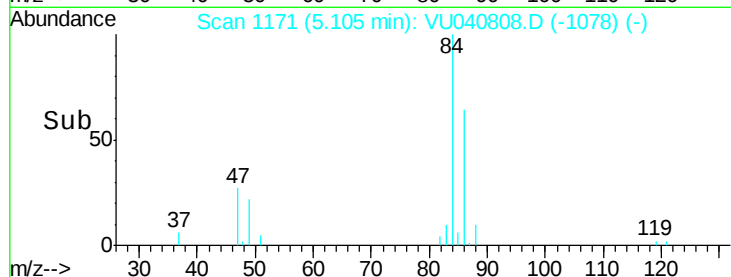
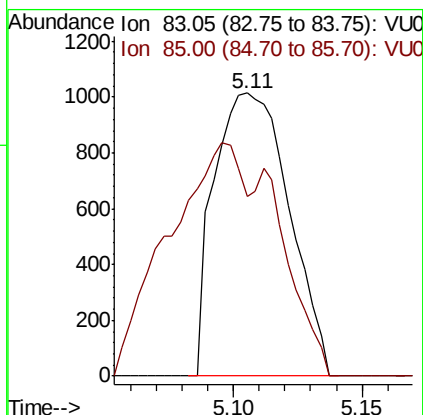
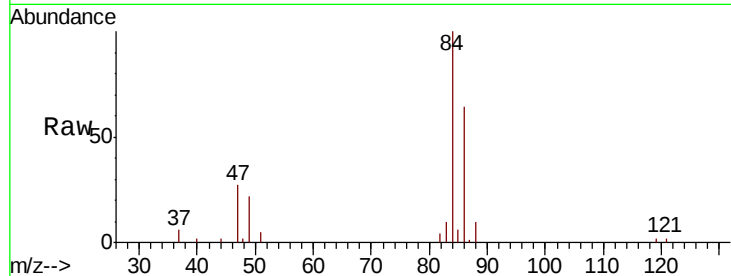




#25
Chloroform
Concen: 0.113 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040808.D
Acq: 19 Oct 2020 16:50

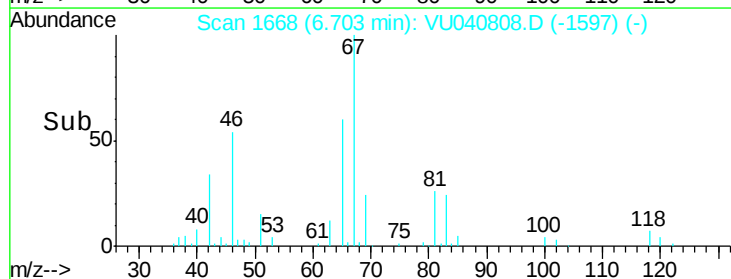
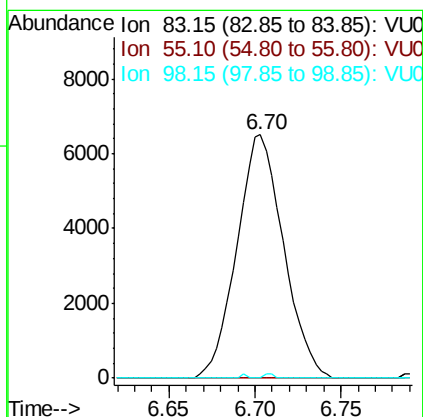
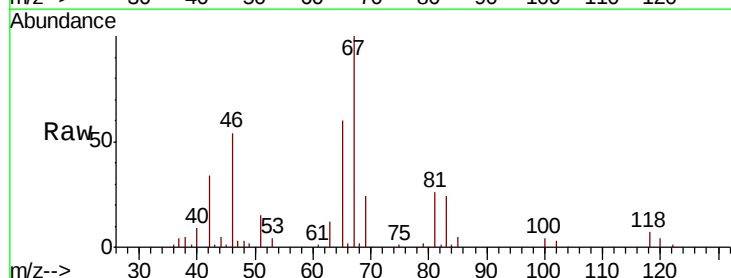
Instrument :
MSVOA_U
ClientSampleId :
ETZ25

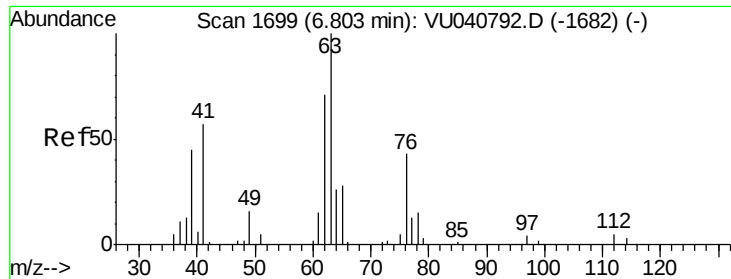
Tot Ion: 83 Resp: 2053
Ion Ratio Lower Upper
83 100
85 63.6 46.5 86.5



#35
Methylcyclohexane
Concen: 0.851 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040808.D
Acq: 19 Oct 2020 16:50

Tgt Ion: 83 Resp: 12228
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.4 38.4 57.6#

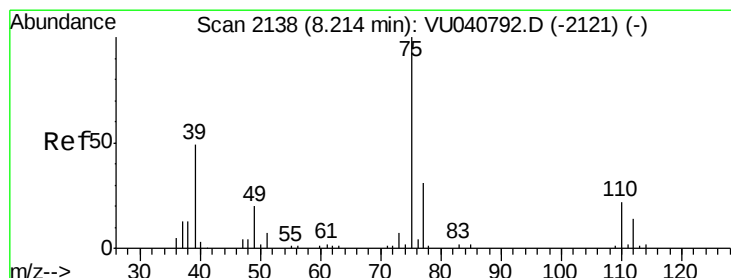
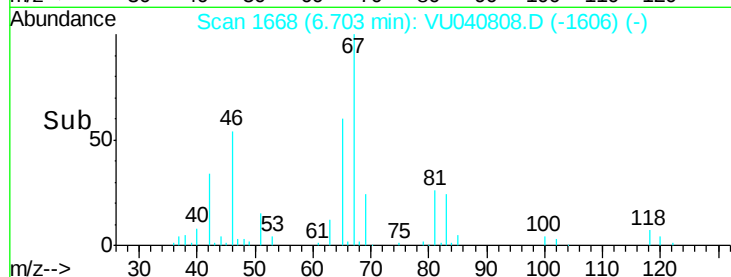
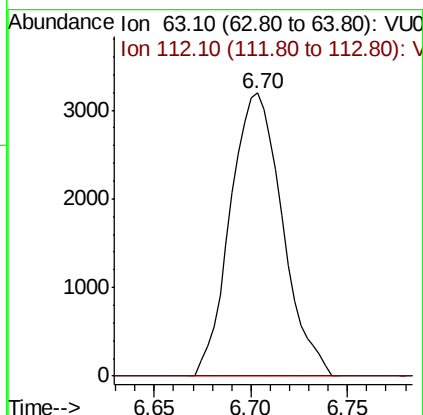
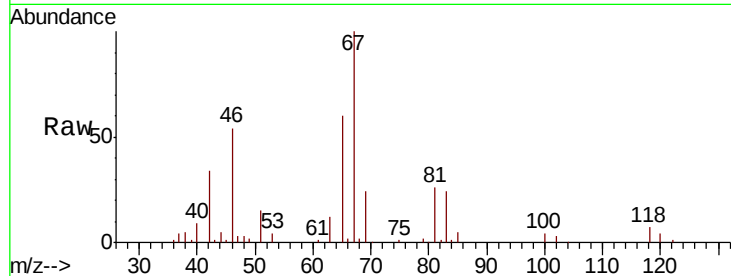




#37
 1,2-Dichloropropane
 Concen: 0.547 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040808.D
 Acq: 19 Oct 2020 16:50

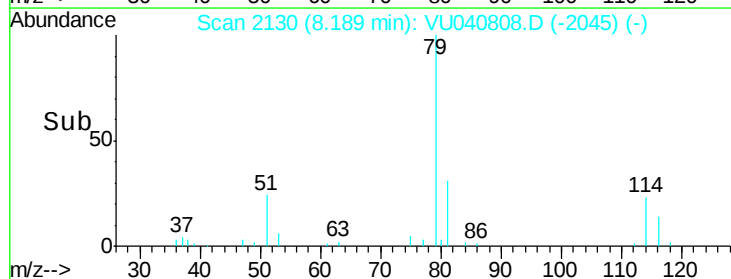
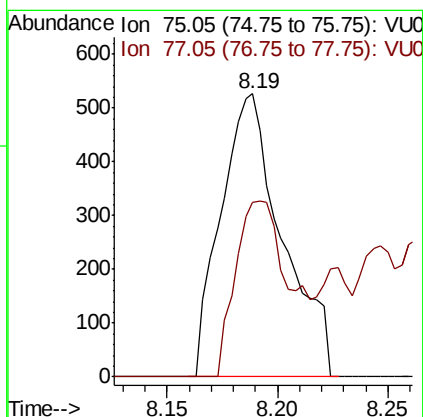
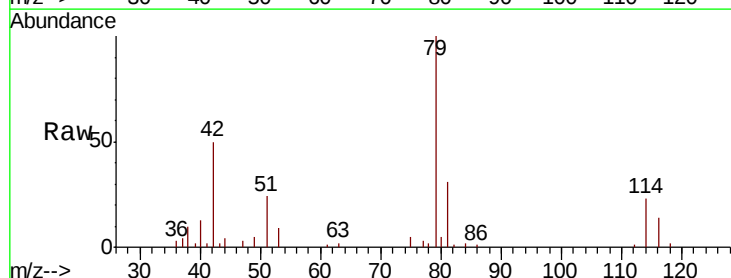
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ25

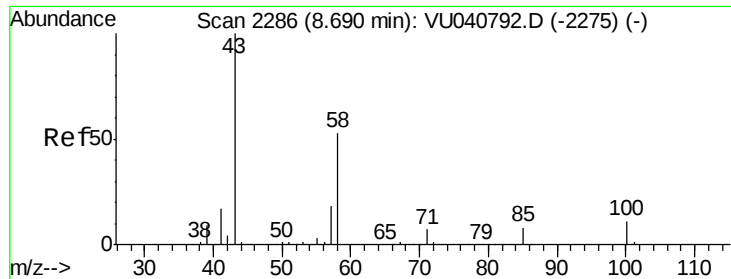
Tot Ion: 63 Resp: 5963
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.074 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU040808.D
 Acq: 19 Oct 2020 16:50

Tgt Ion: 75 Resp: 1017
 Ion Ratio Lower Upper
 75 100
 77 61.7 20.4 38.0#

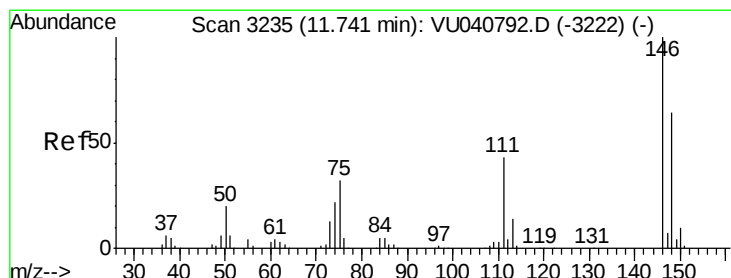
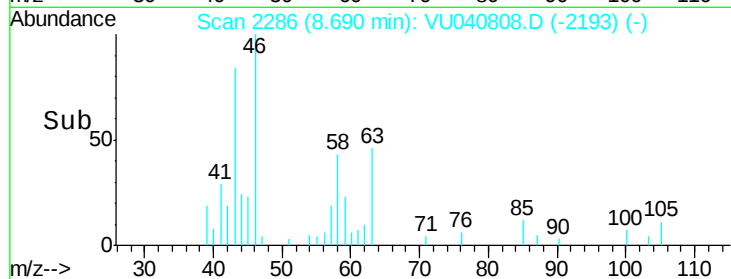
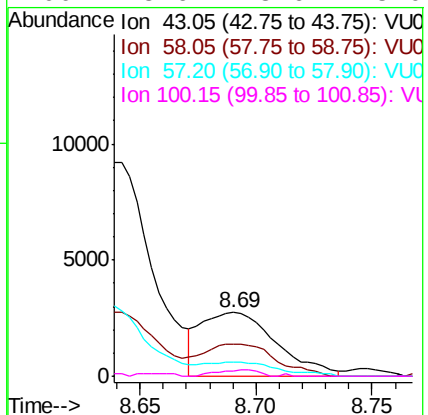
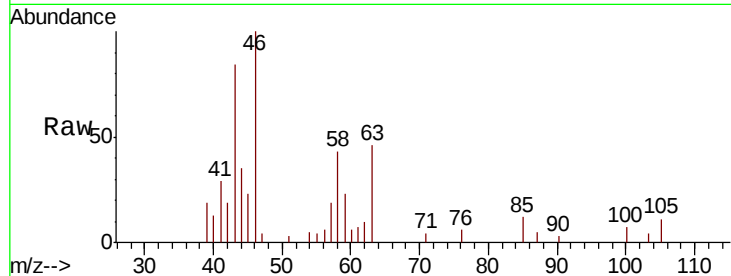




#48
2-Hexanone
Concen: 0.964 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040808.D
Acq: 19 Oct 2020 16:50

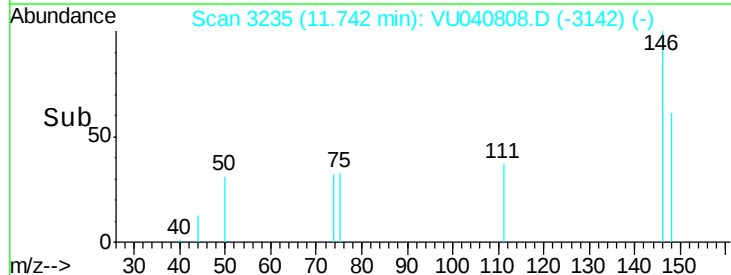
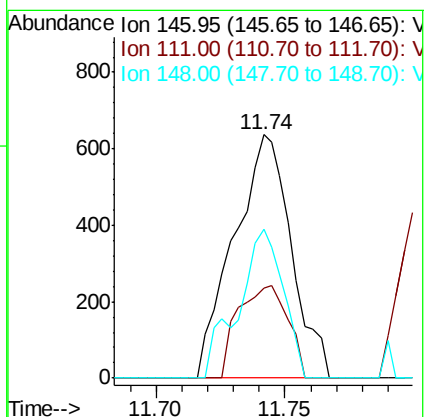
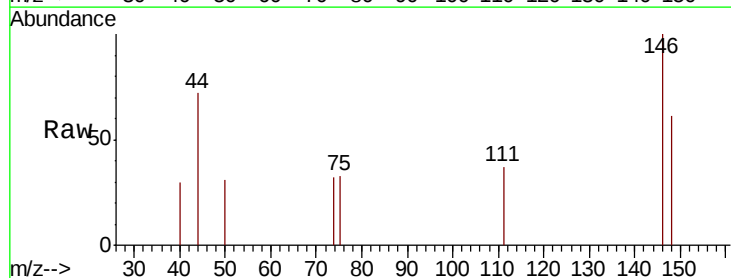
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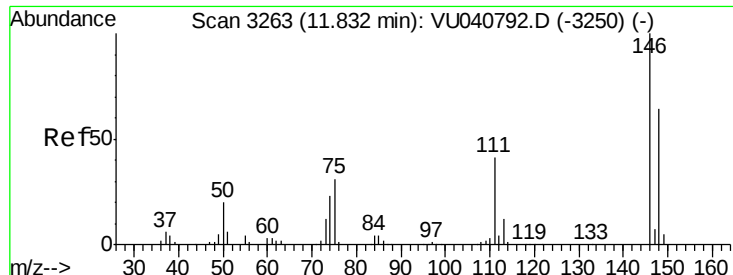
Tot Ion: 43 Resp: 6233
Ion Ratio Lower Upper
43 100
58 47.7 41.0 61.6
57 20.1 14.4 21.6
100 5.6 8.6 13.0#



#62
1,3-Dichlorobenzene
Concen: 0.058 ug/L
RT: 11.74 min Scan# 3235
Delta R.T. 0.00 min
Lab File: VU040808.D
Acq: 19 Oct 2020 16:50

Tgt Ion: 146 Resp: 988
Ion Ratio Lower Upper
146 100
111 36.7 28.8 53.6
148 61.1 44.4 82.4





#63

1,4-Dichlorobenzene

Concen: 0.073 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040808.D

Acq: 19 Oct 2020 16:50

Instrument :

MSVOA_U

ClientSampled :

ETZ25

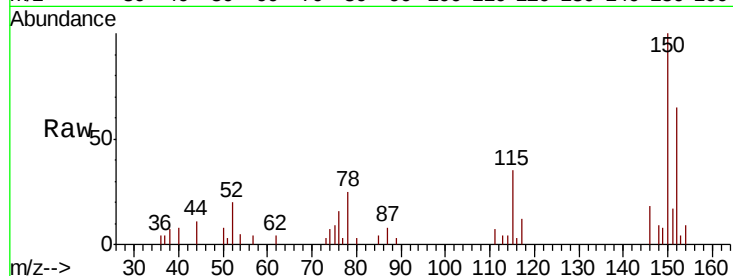
Tot Ion:146 Resp: 1288

Ion Ratio Lower Upper

146 100

111 38.0 28.4 52.8

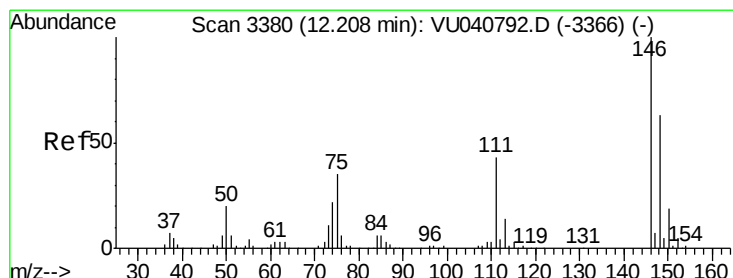
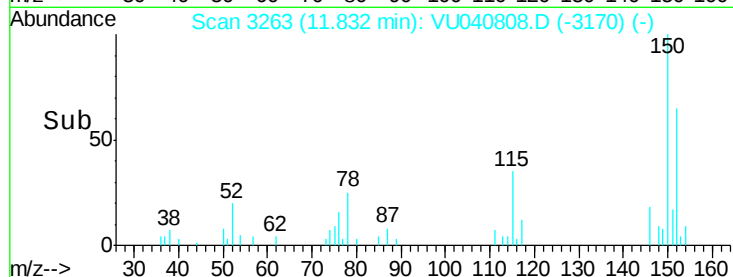
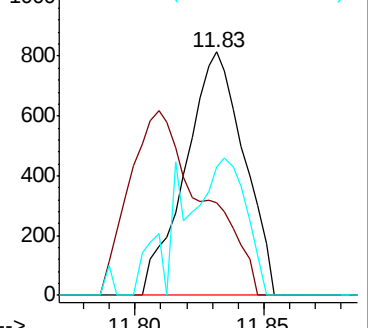
148 52.6 44.0 81.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.066 ug/L

RT: 12.20 min Scan# 3378

Delta R.T. -0.01 min

Lab File: VU040808.D

Acq: 19 Oct 2020 16:50

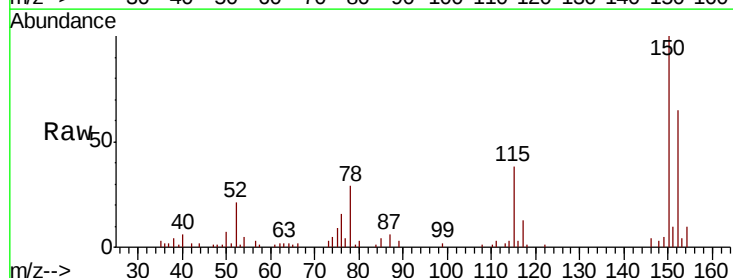
Tgt Ion:146 Resp: 1111

Ion Ratio Lower Upper

146 100

111 74.8 34.4 51.6#

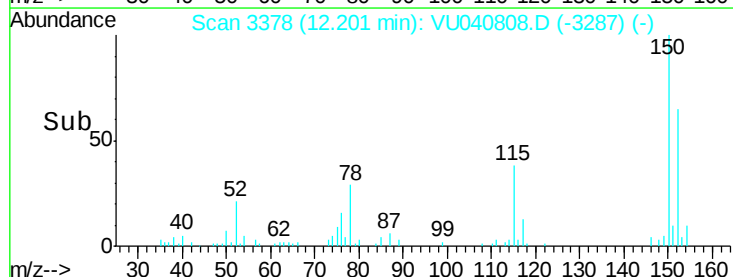
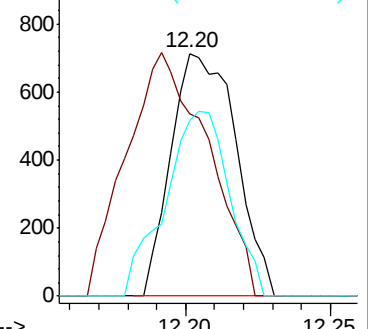
148 72.5 50.0 75.0

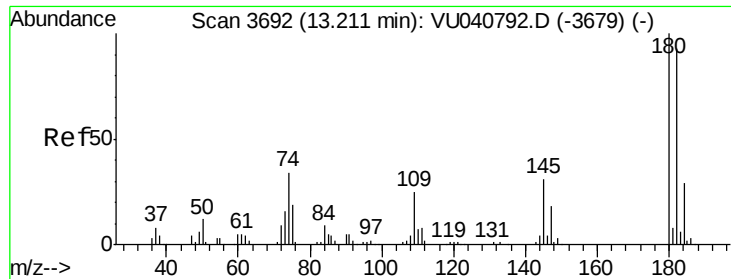


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,3,5-Trichlorobenzene

Concen: 0.146 ug/L

RT: 13.83 min Scan# 3886

Delta R.T. 0.62 min

Lab File: VU040808.D

Acq: 19 Oct 2020 16:50

Instrument :

MSVOA_U

ClientSampleId :

ETZ25

Tot Ion:180 Resp: 1774

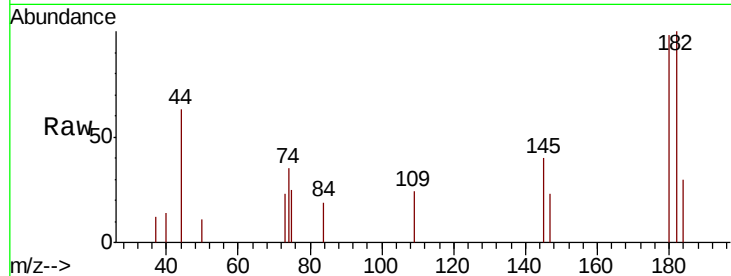
Ion Ratio Lower Upper

180 100

182 92.1 77.0 115.4

184 29.3 24.5 36.7

145 30.3 25.9 38.9

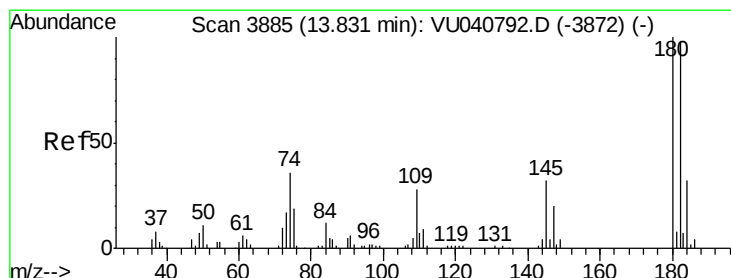
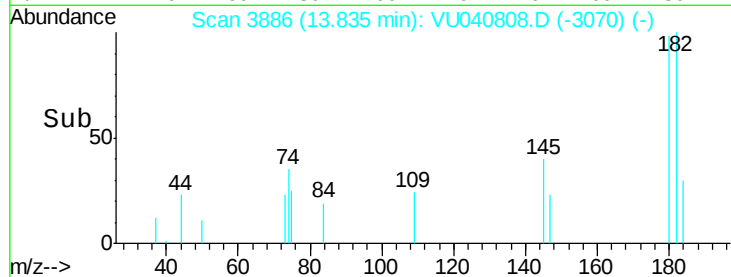
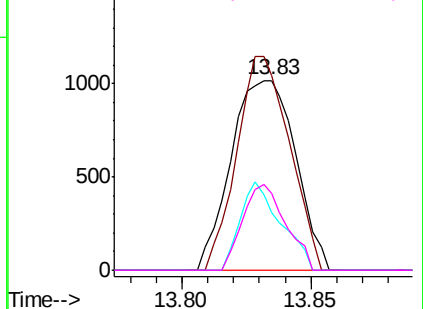


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 0.189 ug/L

RT: 13.83 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VU040808.D

Acq: 19 Oct 2020 16:50

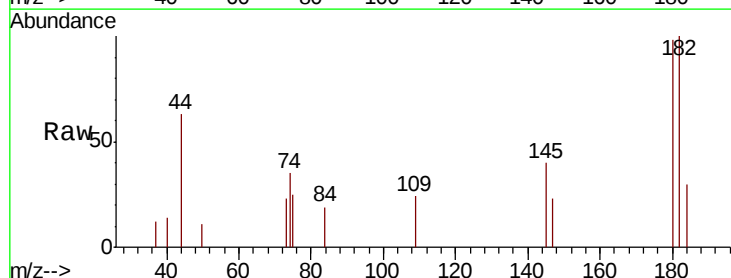
Tgt Ion:180 Resp: 1774

Ion Ratio Lower Upper

180 100

182 92.1 78.8 118.2

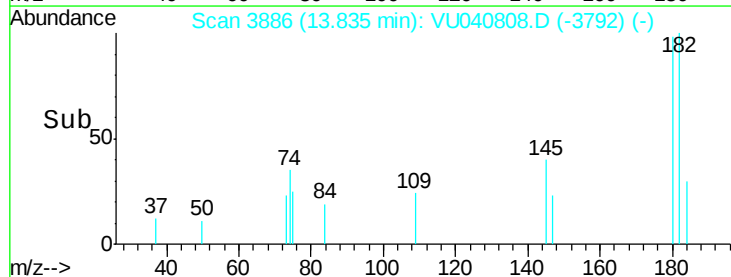
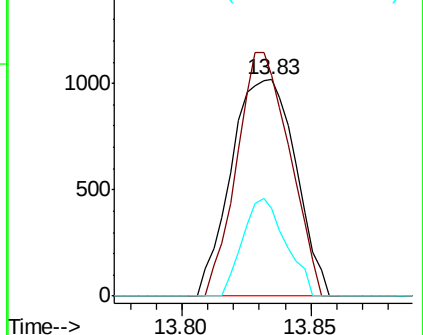
145 30.3 26.1 39.1

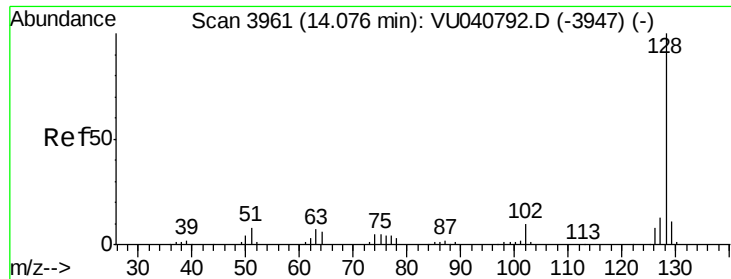


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.259 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040808.D

Acq: 19 Oct 2020 16:50

Instrument :

MSVOA_U

ClientSampleId :

ETZ25

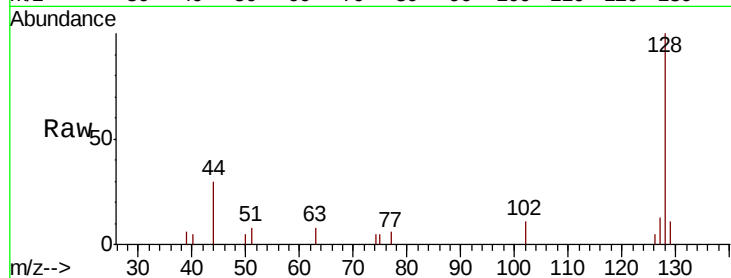
Tot Ion:128 Resp: 3993

Ion Ratio Lower Upper

128 100

129 9.1 9.0 13.4

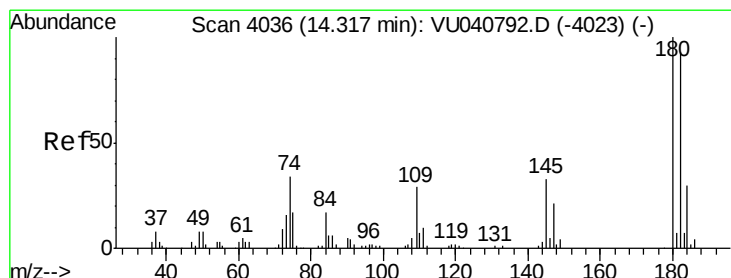
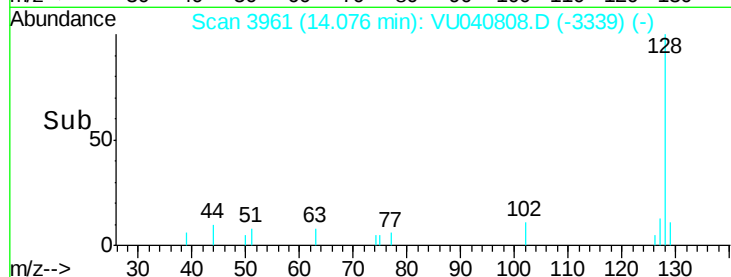
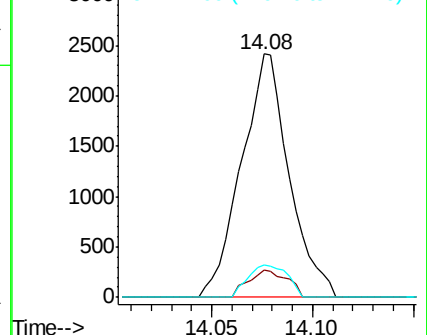
127 11.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.243 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040808.D

Acq: 19 Oct 2020 16:50

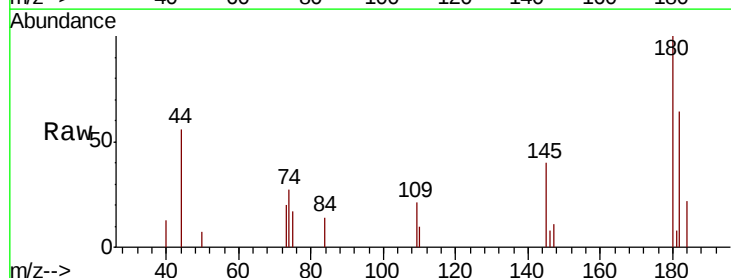
Tgt Ion:180 Resp: 2123

Ion Ratio Lower Upper

180 100

182 83.1 75.8 113.8

145 31.5 27.4 41.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

