

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040809.D
 Acq On : 19 Oct 2020 17:13
 Operator : SY/MD
 Sample : L4354-21DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ40DL

Quant Time: Oct 20 01:39:05 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	118315	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126046	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53229	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46872	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.92	69	39428	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.58	63	71354	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.66	46	168333	53.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.32%
24) Chloroform-d	5.08	84	90173	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.72	65	54788	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.74	84	166020	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	56487	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.91	98	131900	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.19	79	21398	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.64	63	117593	47.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50457	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	53046	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	809	0.081 ug/L	100
5) Vinyl chloride	1.61	62	148270	14.044 ug/L	97
8) Chloroethane	1.94	64	248	0.037 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	659	0.067 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	751	0.089 ug/L #	1
16) Methylene chloride	3.06	84	2631	0.243 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	52223	5.480 ug/L	94
25) Chloroform	5.10	83	1268	0.068 ug/L	87
33) Benzene	5.74	78	1314	0.032 ug/L	100
34) Trichloroethene	6.55	95	1014	0.097 ug/L	87
35) Methylcyclohexane	6.70	83	13195	0.886 ug/L #	15
37) 1,2-Dichloropropane	6.70	63	6477	0.574 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1580	0.102 ug/L #	55
44) trans-1,3-Dichloropropene	8.19	75	1094	0.077 ug/L #	40
47) Tetrachloroethene	8.56	164	1066	0.142 ug/L	89
48) 2-Hexanone	8.69	43	3469	0.518 ug/L #	91
49) Dibromochloromethane	8.56	129	1117	0.115 ug/L #	9

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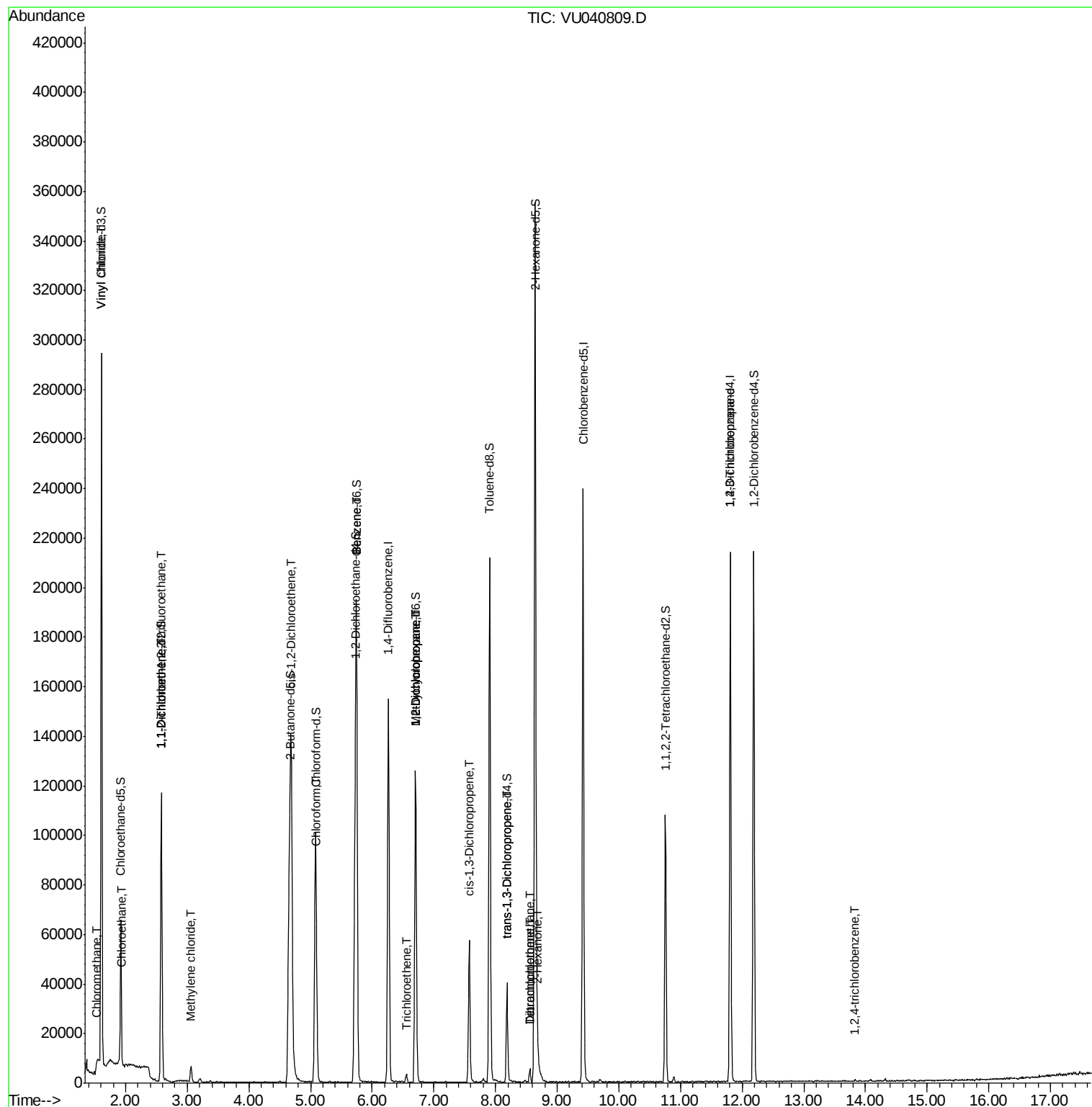
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.80	75	6953	0.839	ug/L	91
68) 1,2,4-trichlorobenzene	13.83	180	413	0.043	ug/L #	74

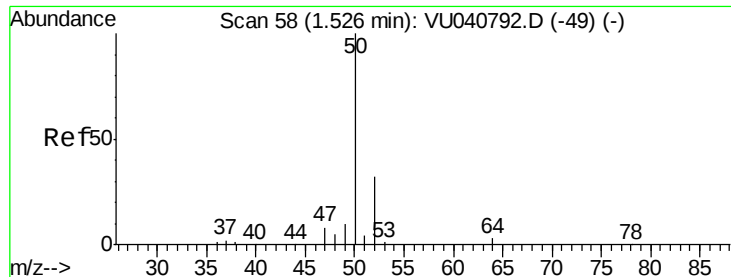
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.081 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040809.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

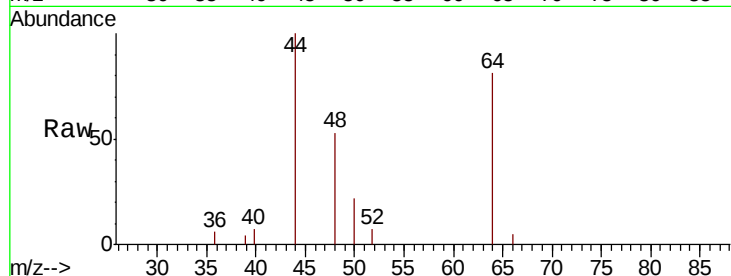
ETZ40DL

Tot Ion: 50 Resp: 809

Ion Ratio Lower Upper

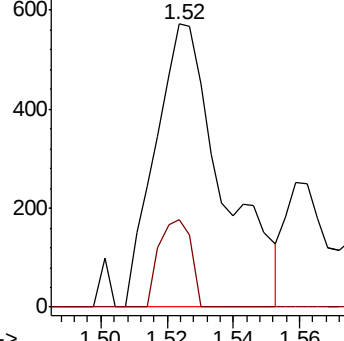
50 100

52 31.1 21.9 40.7

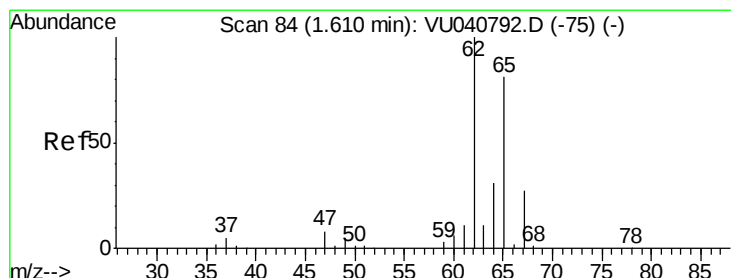
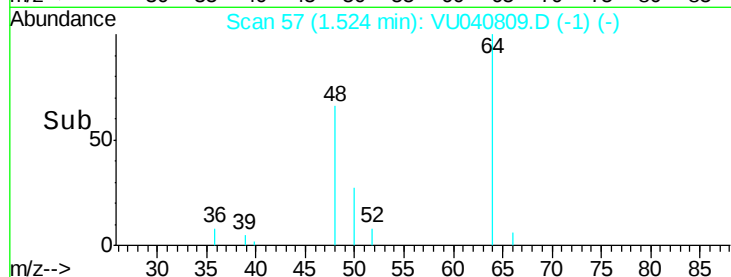


Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->



#5

Vinyl chloride

Concen: 14.044 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040809.D

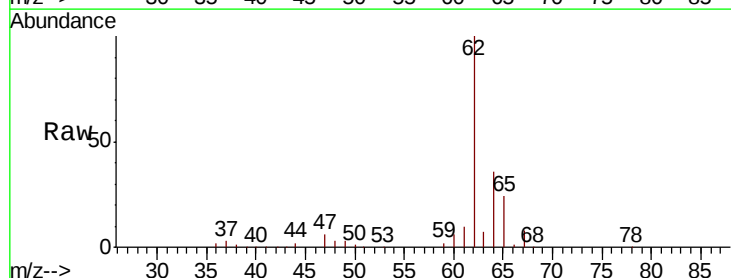
Acq: 19 Oct 2020 17:13

Tgt Ion: 62 Resp: 148270

Ion Ratio Lower Upper

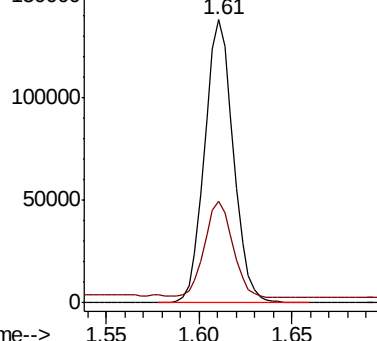
62 100

64 35.7 23.7 44.1

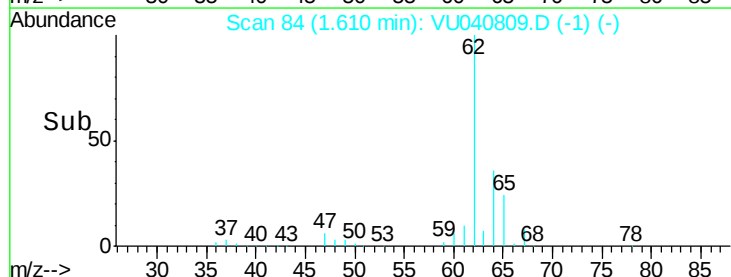


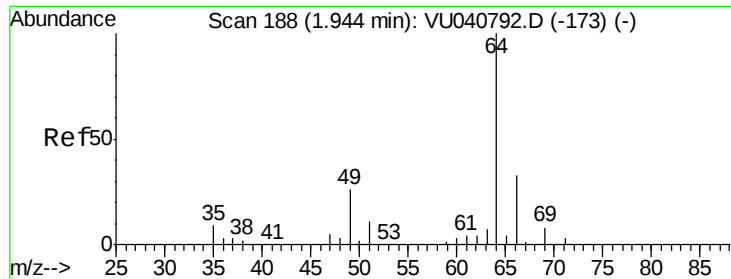
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



Time-->

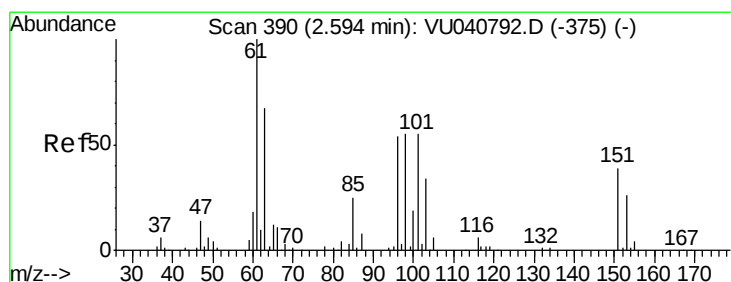
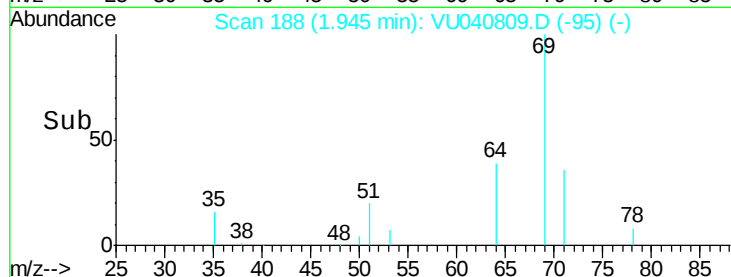
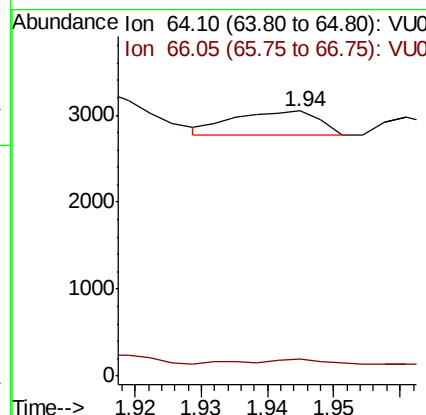
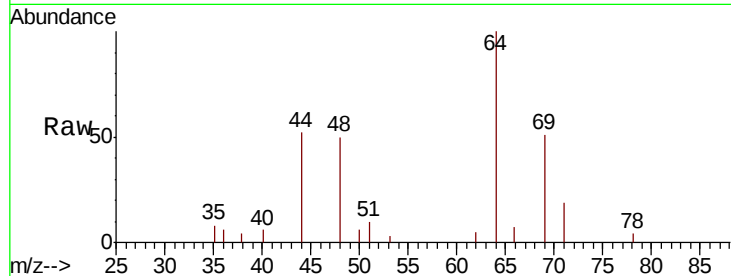




#8
Chloroethane
Concen: 0.037 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040809.D
Acq: 19 Oct 2020 17:13

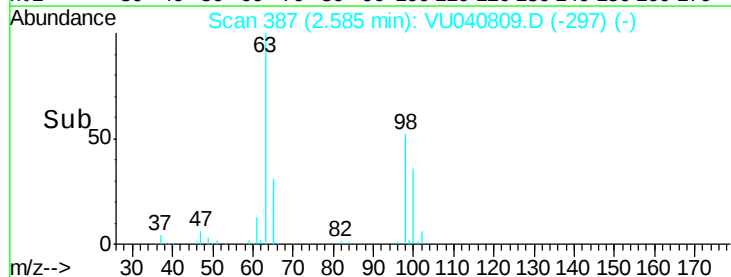
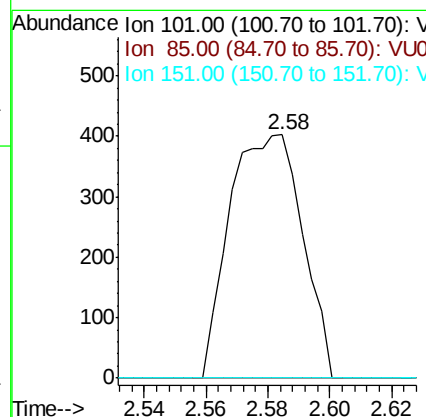
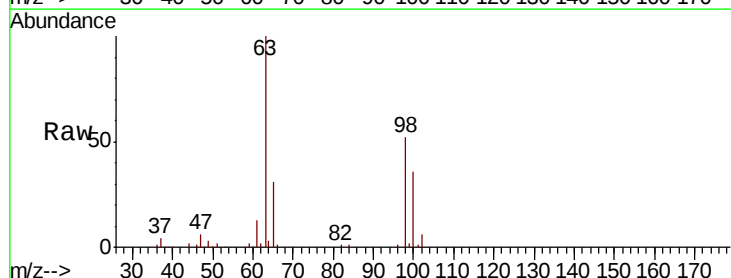
Instrument :
MSVOA_U
ClientSampleId :
ETZ40DL

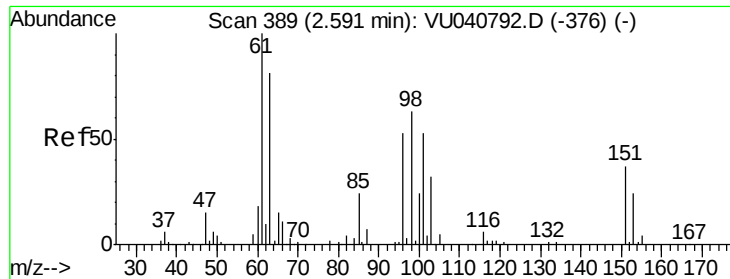
Tot Ion: 64 Resp: 248
Ion Ratio Lower Upper
64 100
66 6.6 23.3 43.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.067 ug/L
RT: 2.58 min Scan# 387
Delta R.T. -0.01 min
Lab File: VU040809.D
Acq: 19 Oct 2020 17:13

Tgt Ion: 101 Resp: 659
Ion Ratio Lower Upper
101 100
85 0.0 36.7 55.1#
151 0.0 58.0 87.0#





#12

1,1-Dichloroethene

Concen: 0.089 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040809.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

ETZ40DL

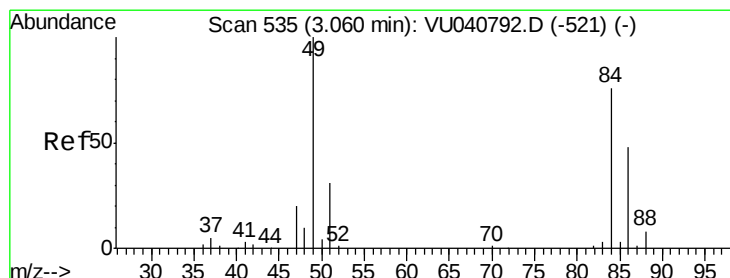
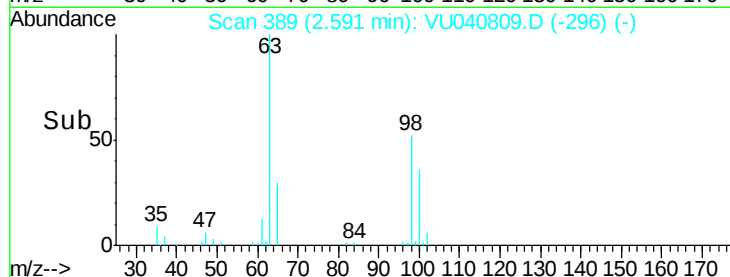
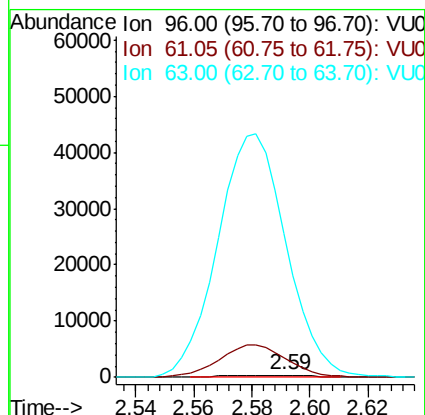
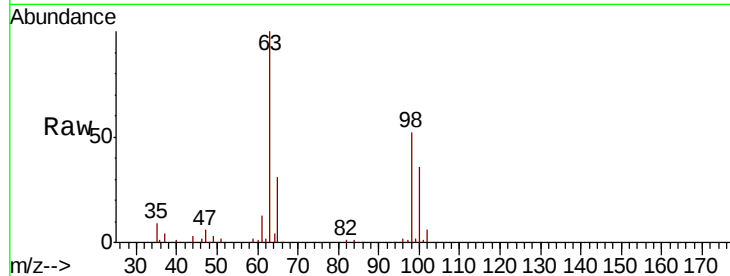
Tot Ion: 96 Resp: 751

Ion Ratio Lower Upper

96 100

61 847.4 128.8 239.2#

63 6278.1 84.6 157.2#



#16

Methylene chloride

Concen: 0.243 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040809.D

Acq: 19 Oct 2020 17:13

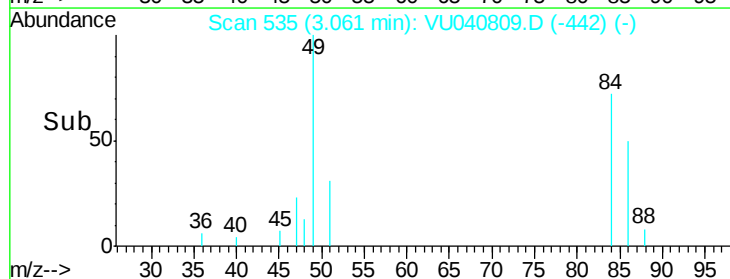
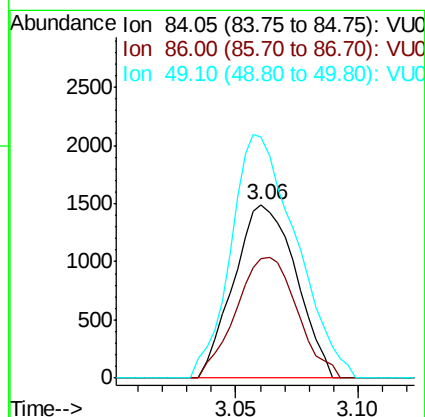
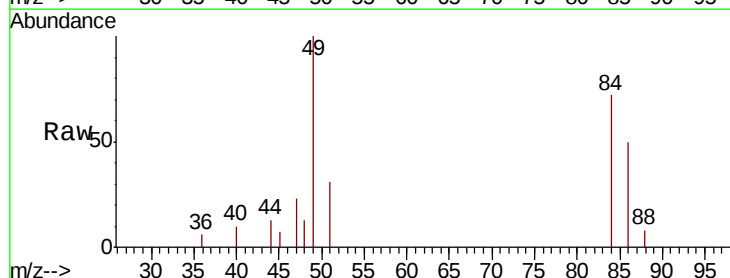
Tgt Ion: 84 Resp: 2631

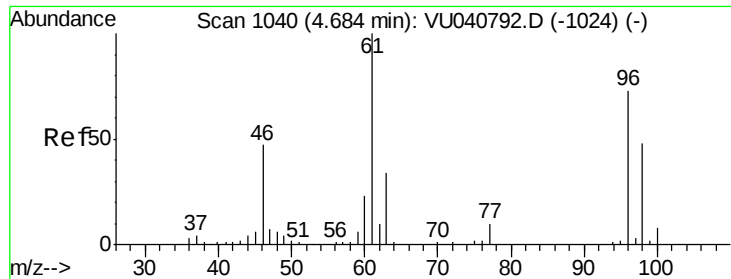
Ion Ratio Lower Upper

84 100

86 69.0 45.4 84.4

49 139.3 99.8 185.3





#22

cis-1,2-Dichloroethene

Concen: 5.480 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040809.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

ETZ40DL

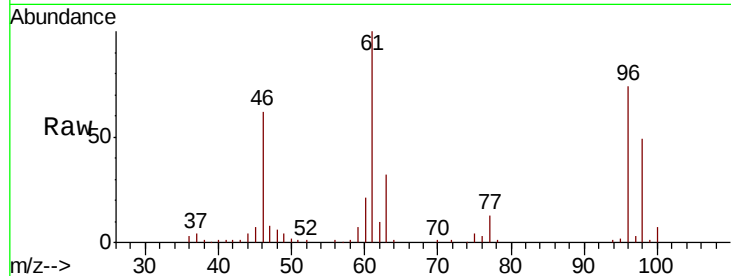
Tot Ion: 96 Resp: 52223

Ion Ratio Lower Upper

96 100

61 135.5 99.8 185.4

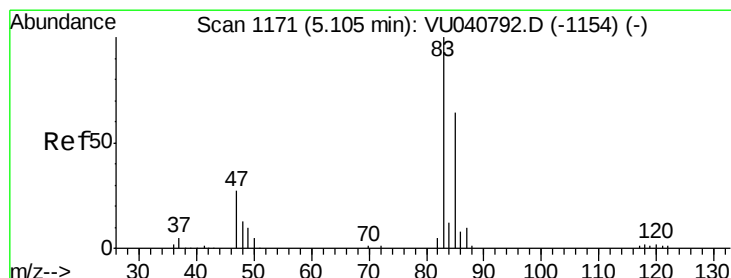
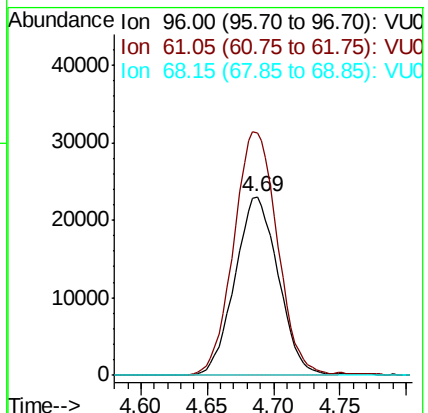
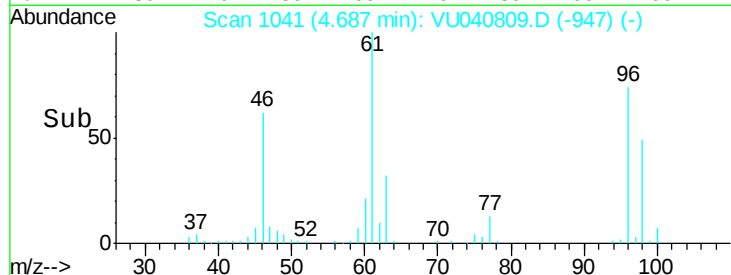
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040809.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040809.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040809.D (-947) (-)



#25

Chloroform

Concen: 0.068 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040809.D

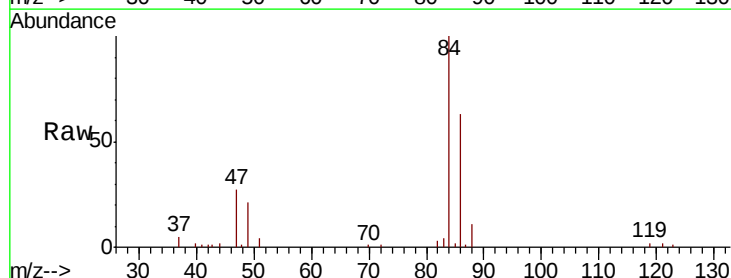
Acq: 19 Oct 2020 17:13

Tgt Ion: 83 Resp: 1268

Ion Ratio Lower Upper

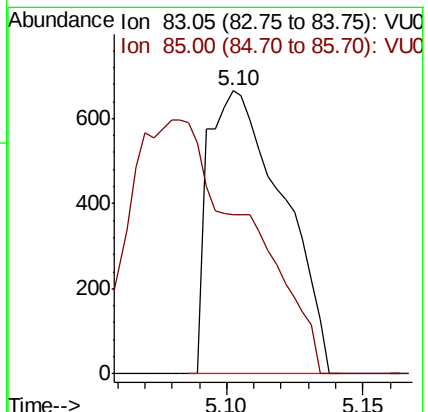
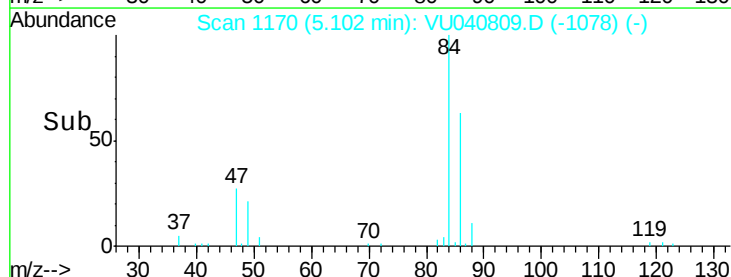
83 100

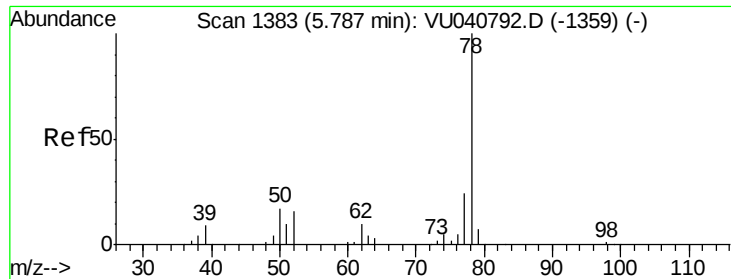
85 56.4 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040809.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040809.D (-1078) (-)





#33

Benzene

Concen: 0.032 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.05 min

Lab File: VU040809.D

Acq: 19 Oct 2020 17:13

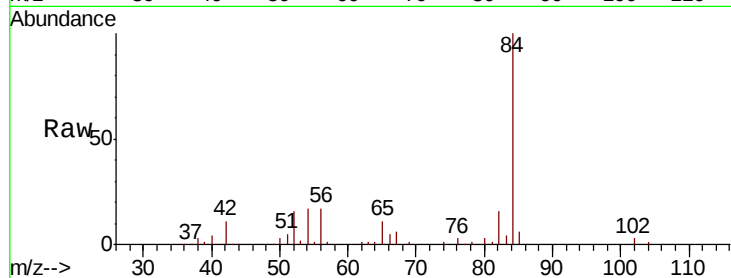
Instrument :

MSVOA_U

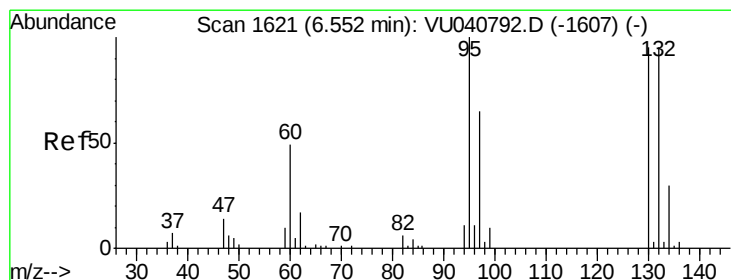
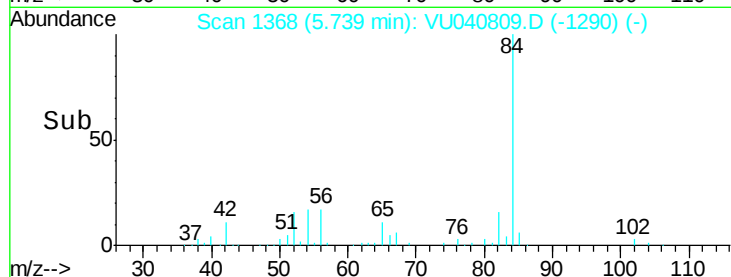
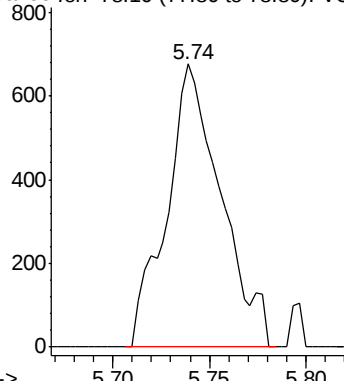
ClientSampled :

ETZ40DL

Tgt Ion: 78 Resp: 1314



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.097 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040809.D

Acq: 19 Oct 2020 17:13

Tgt Ion: 95 Resp: 1014

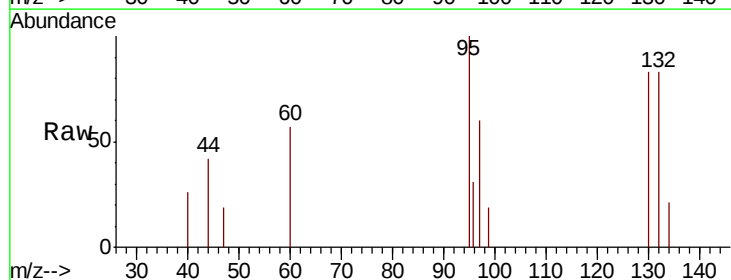
Ion Ratio Lower Upper

95 100

97 59.6 45.5 84.5

132 83.0 67.5 125.4

130 82.6 69.9 129.9

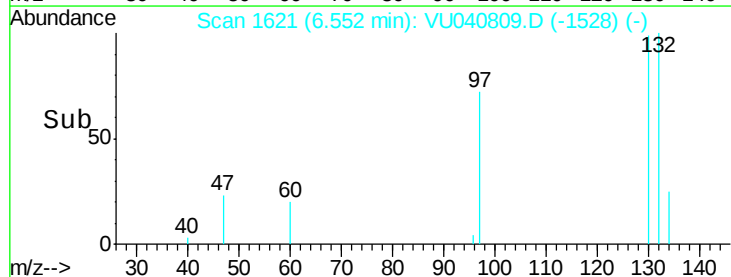
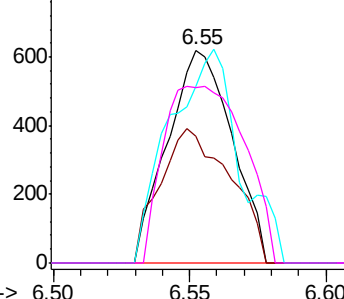


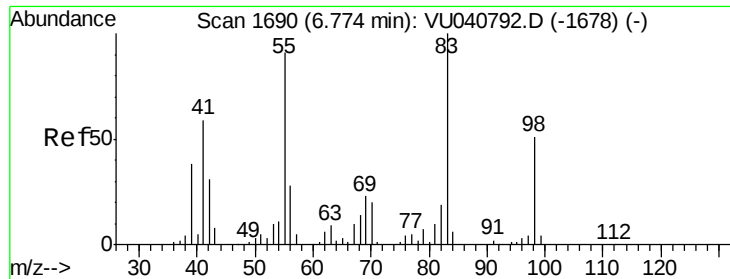
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

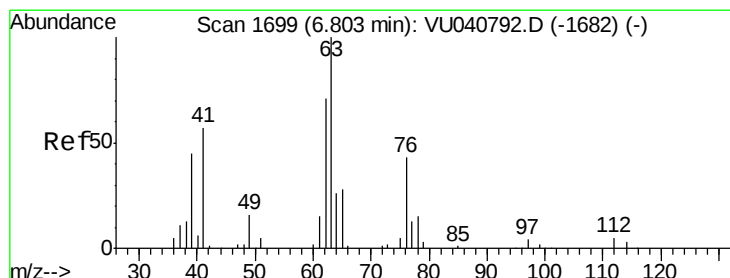
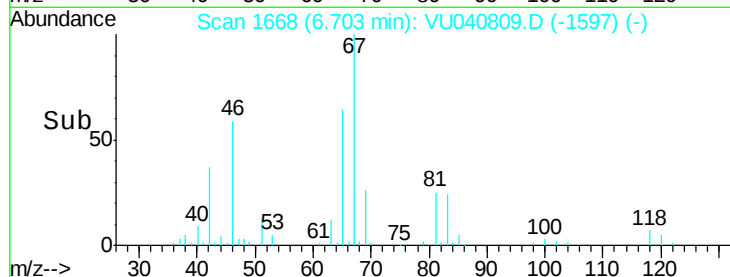
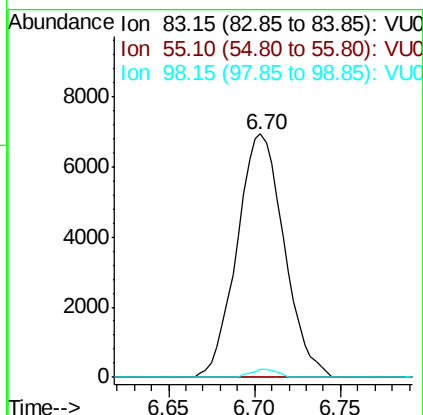
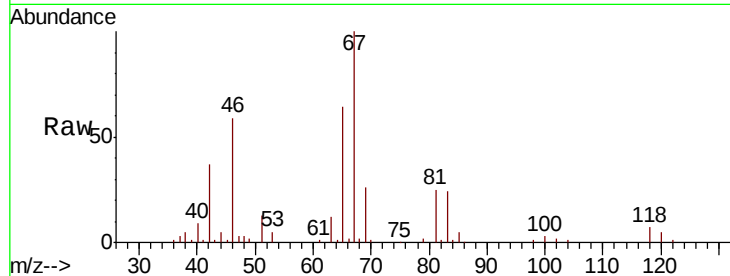




#35
Methylcyclohexane
Concen: 0.886 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040809.D
Acq: 19 Oct 2020 17:13

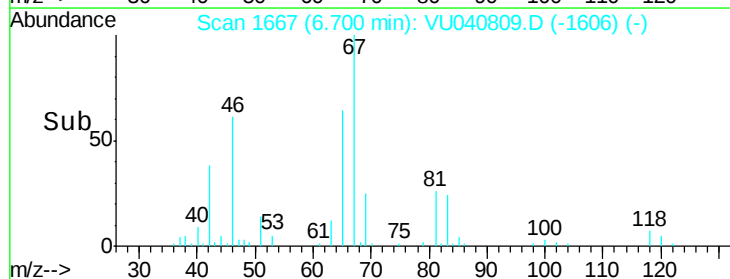
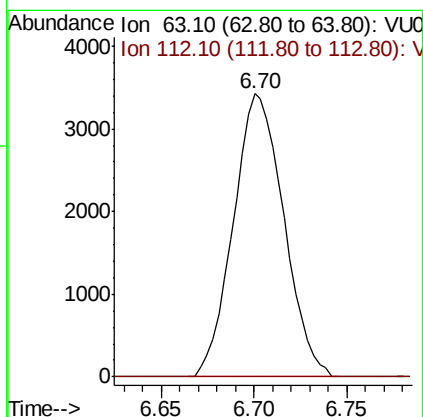
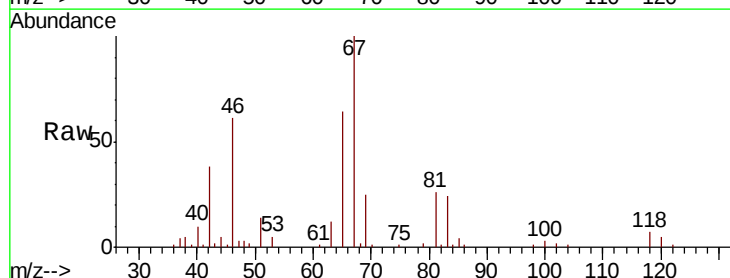
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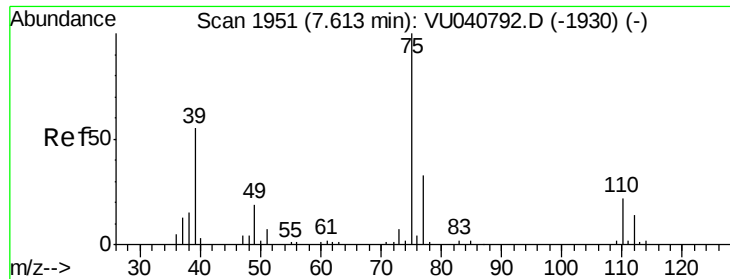
Tot Ion: 83 Resp: 13195
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 1.8 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.574 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040809.D
Acq: 19 Oct 2020 17:13

Tgt Ion: 63 Resp: 6477
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

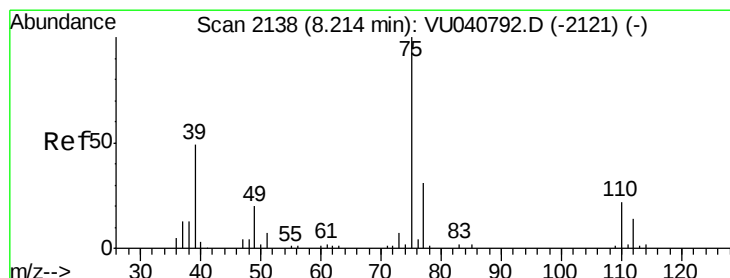
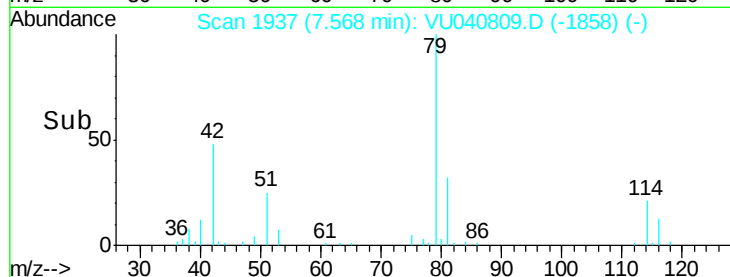
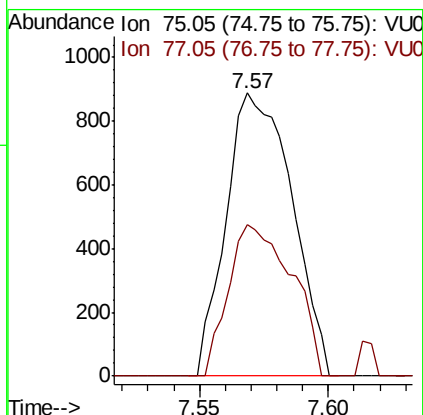
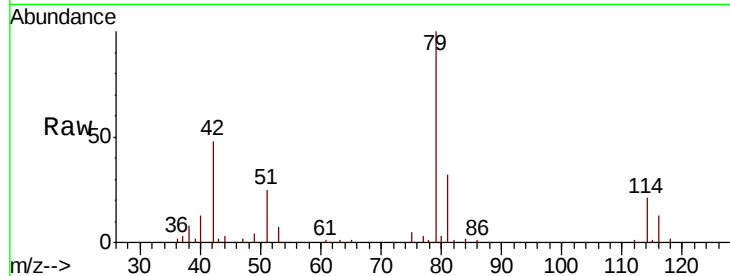




#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.04 min
 Lab File: VU040809.D
 Acq: 19 Oct 2020 17:13

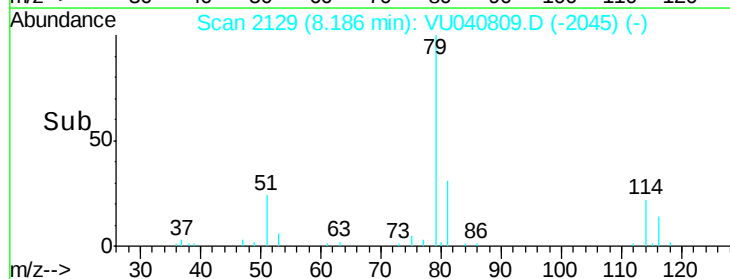
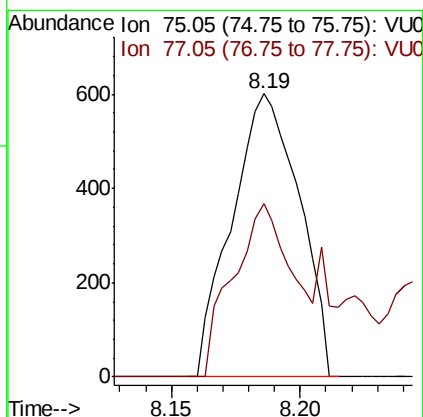
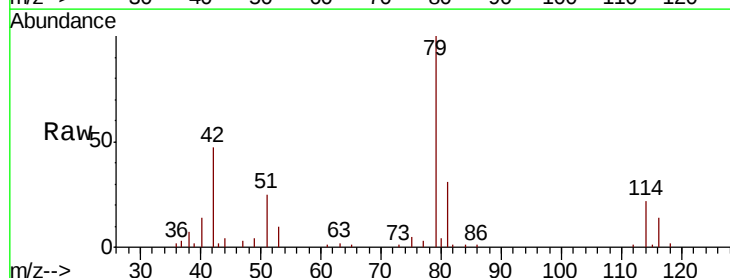
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ40DL

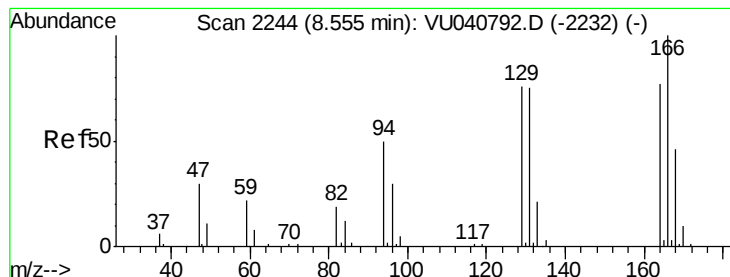
Tot Ion: 75 Resp: 1580
 Ion Ratio Lower Upper
 75 100
 77 53.6 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU040809.D
 Acq: 19 Oct 2020 17:13

Tgt Ion: 75 Resp: 1094
 Ion Ratio Lower Upper
 75 100
 77 61.4 20.4 38.0#





#47

Tetrachloroethene

Concen: 0.142 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040809.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

ETZ40DL

Tot Ion:164 Resp: 1066

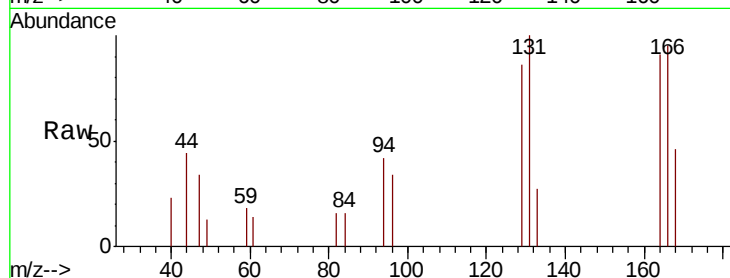
Ion Ratio Lower Upper

164 100

129 95.5 68.8 127.8

131 110.5 66.7 123.9

166 105.0 83.9 155.7

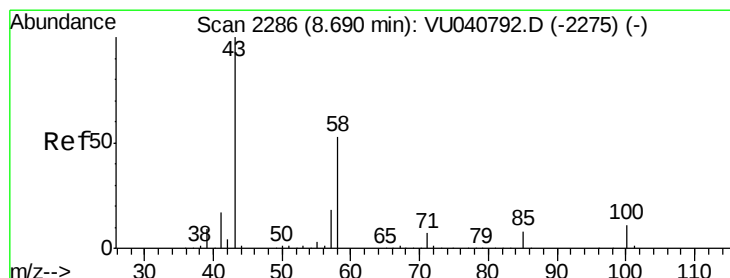
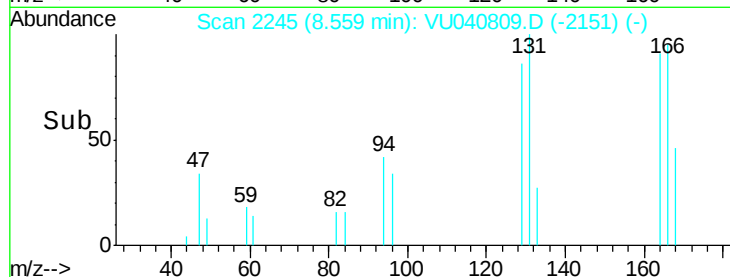
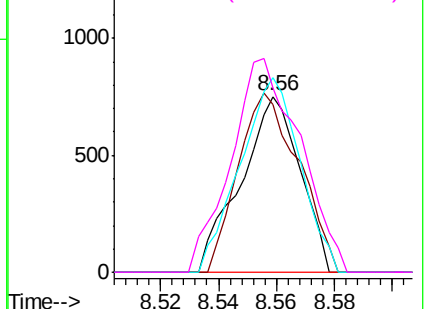


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 0.518 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040809.D

Acq: 19 Oct 2020 17:13

Tgt Ion: 43 Resp: 3469

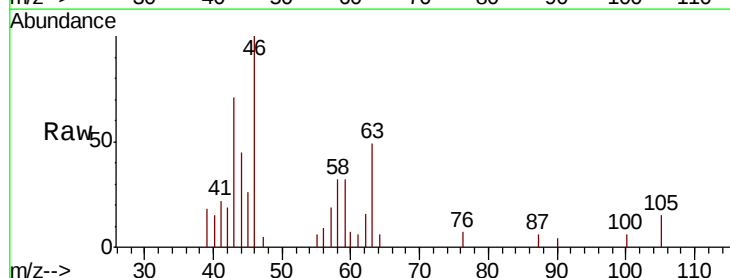
Ion Ratio Lower Upper

43 100

58 45.6 41.0 61.6

57 15.5 14.4 21.6

100 3.9 8.6 13.0#

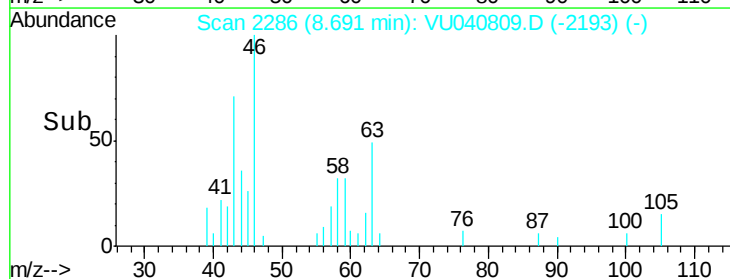
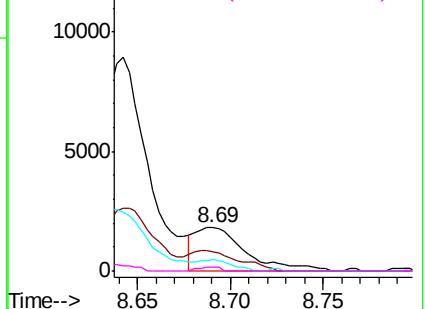


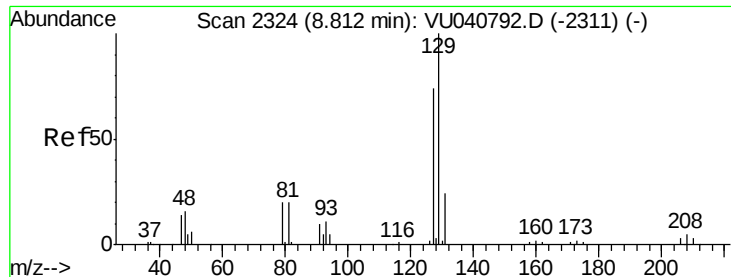
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.115 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040809.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

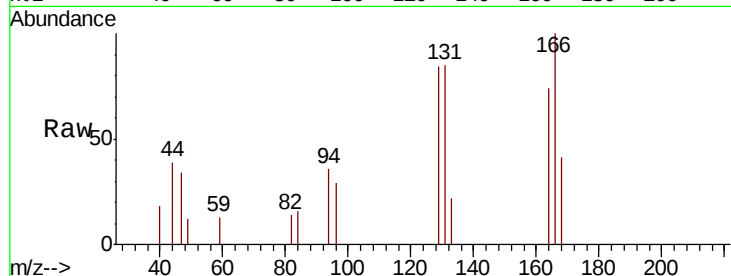
ETZ40DL

Tot Ion:129 Resp: 1117

Ion Ratio Lower Upper

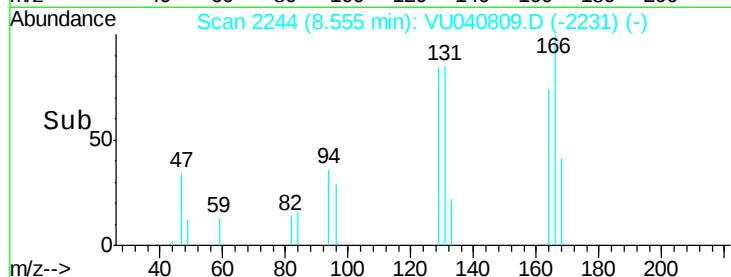
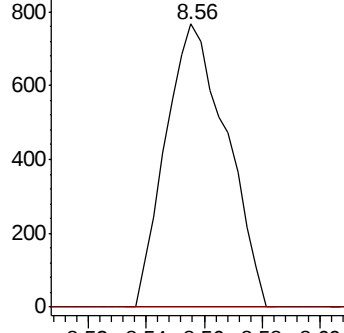
129 100

127 0.0 55.8 103.6#

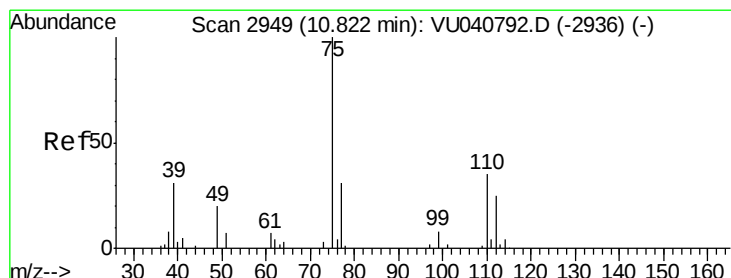


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 0.839 ug/L

RT: 11.80 min Scan# 3254

Delta R.T. 0.98 min

Lab File: VU040809.D

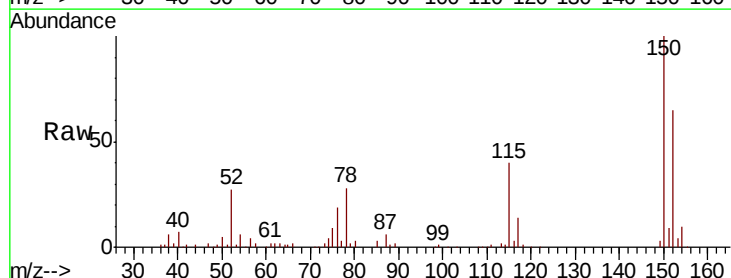
Acq: 19 Oct 2020 17:13

Tgt Ion: 75 Resp: 6953

Ion Ratio Lower Upper

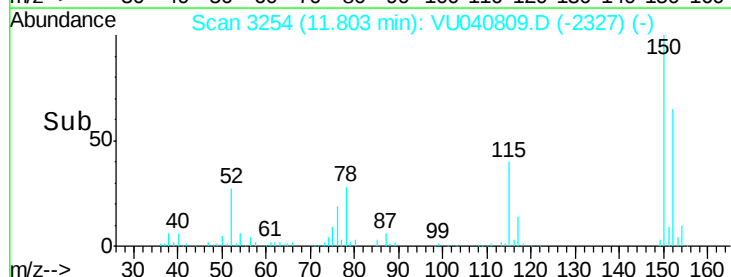
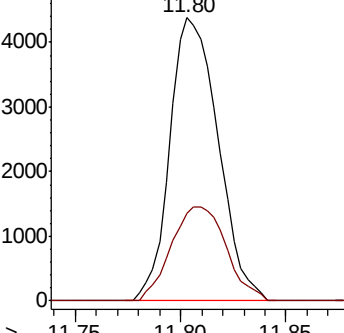
75 100

77 38.0 26.4 39.6

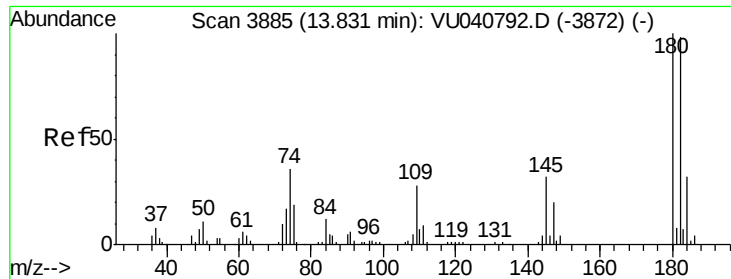


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#68

1,2,4-trichlorobenzene

Concen: 0.043 ug/L

RT: 13.83 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VU040809.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_U

ClientSampleId :

ETZ40DL

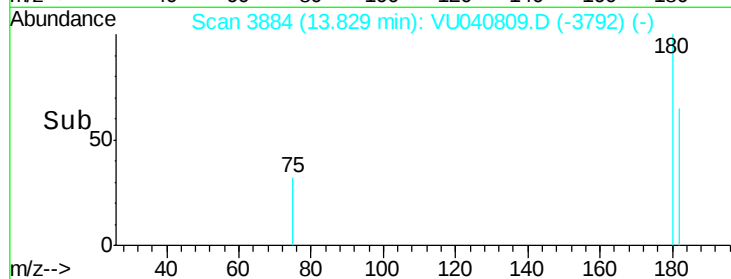
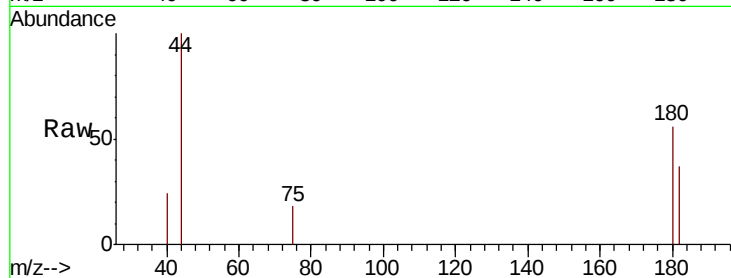
Tot Ion:180 Resp: 413

Ion Ratio Lower Upper

180 100

182 83.8 78.8 118.2

145 0.0 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

