

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\
 Data File : VU041632.D
 Acq On : 15 Dec 2020 13:32
 Operator : SY/MD
 Sample : L5029-05MS 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K4MS

Quant Time: Dec 16 02:45:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 02:41:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121356	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119325	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56754	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29742	3.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.80%
7) Chloroethane-d5	1.92	69	30331	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.60%
11) 1,1-Dichloroethene-d2	2.58	63	69736	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.66	46	135033	49.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.10%
24) Chloroform-d	5.08	84	73392	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.72	65	44302	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.74	84	144151	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.70	67	47247	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.90	98	123752	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.19	79	20092	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.64	63	111530	42.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47227	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	49290	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	270	0.036	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	523	0.063	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	41022	4.983	ug/L	92
16) Methylene chloride	3.06	84	2073	0.211	ug/L	93
27) 1,2-Dichloroethane	5.79	62	1883	0.173	ug/L #	73
33) Benzene	5.79	78	175230	4.592	ug/L	100
34) Trichloroethene	6.55	95	46151	4.813	ug/L	97
35) Methylcyclohexane	6.70	83	11038	0.712	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5074	0.520	ug/L #	88
42) Toluene	7.97	91	183087	4.647	ug/L	100
44) trans-1,3-Dichloropropene	8.19	75	887	0.069	ug/L #	78
45) 1,1,2-Trichloroethane	8.56	97	2061	0.286	ug/L #	1
47) Tetrachloroethene	8.56	164	260733	38.840	ug/L	97
48) 2-Hexanone	8.64	43	13389	2.649	ug/L #	65
49) Dibromochloromethane	8.56	129	252096	30.404	ug/L #	11
51) Chlorobenzene	9.45	112	120497	4.920	ug/L	97
59) 1,2,3-Trichloropropane	11.81	75	6463	0.882	ug/L #	42

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121520\
Data File : VU041632.D
Acq On : 15 Dec 2020 13:32
Operator : SY/MD
Sample : L5029-05MS 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

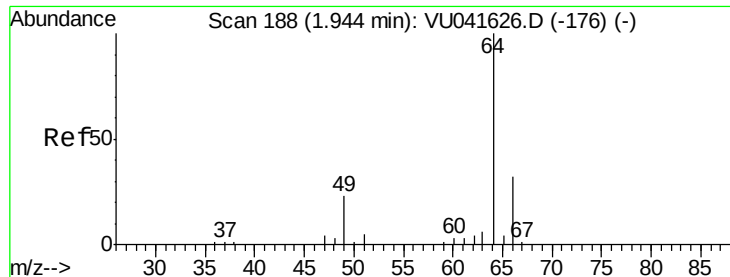
Instrument :
MSVOA_U
ClientSampleId :
GB1K4MS

Quant Time: Dec 16 02:45:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 16 02:41:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121520\
Data File : VU041632.D
Acq On : 15 Dec 2020 13:32
Operator : SY/MD
Sample : L5029-05MS 50X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1



#8

Chloroethane

Concen: 0.036 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

Instrument :

MSVOA_U

ClientSampleId :

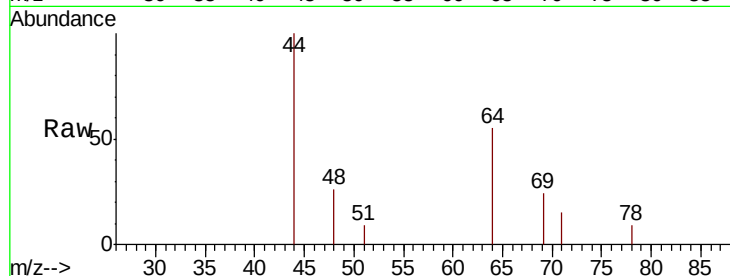
GB1K4MS

Tot Ion: 64 Resp: 270

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.95

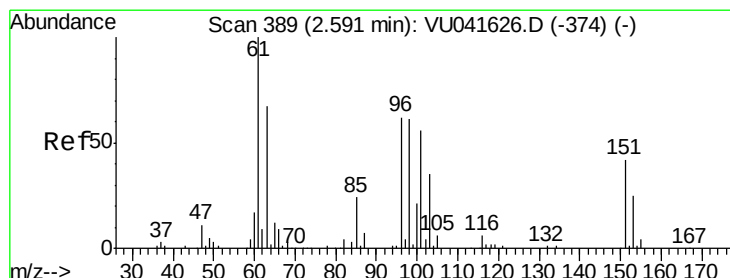
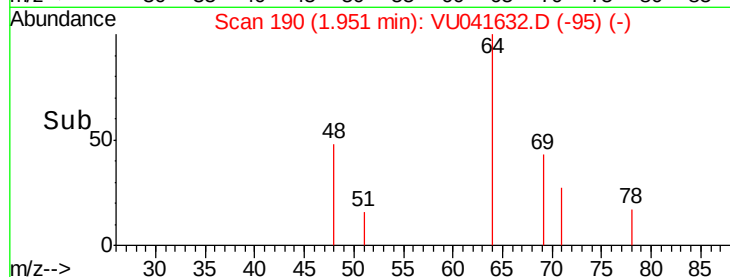
600

400

200

0

Time-->



#10

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

Concen: 0.063 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

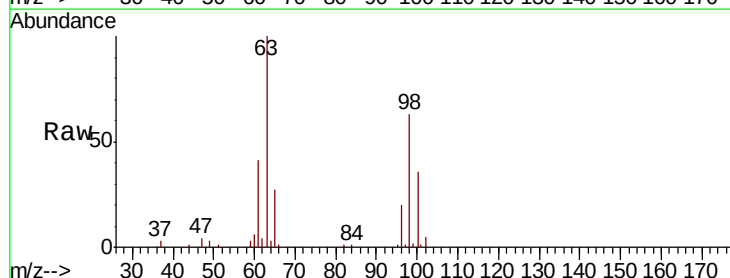
Tgt Ion: 101 Resp: 523

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



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

500

400

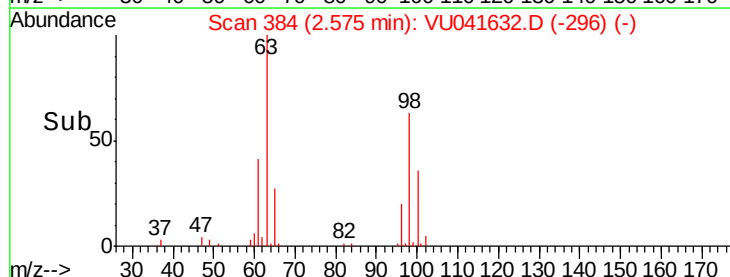
300

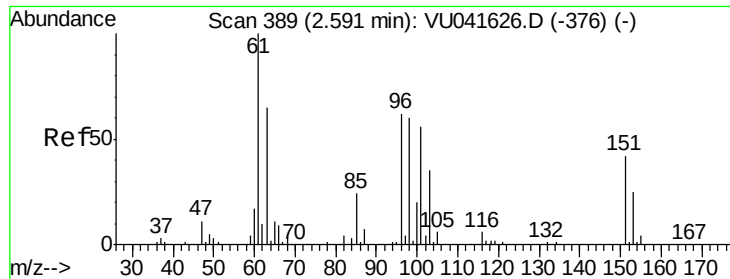
200

100

0

Time-->





#12

1,1-Dichloroethene

Concen: 4.983 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

Instrument :

MSVOA_U

ClientSampleId :

GB1K4MS

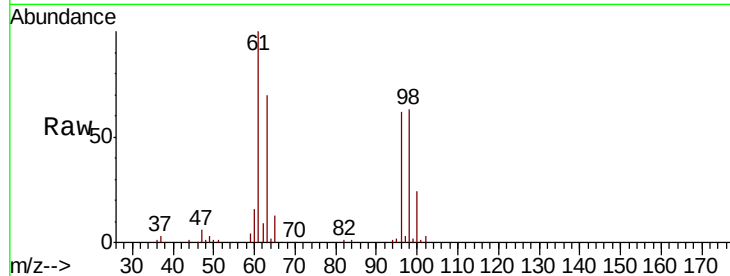
Tot Ion: 96 Resp: 41022

Ion Ratio Lower Upper

96 100

61 161.2 123.8 230.0

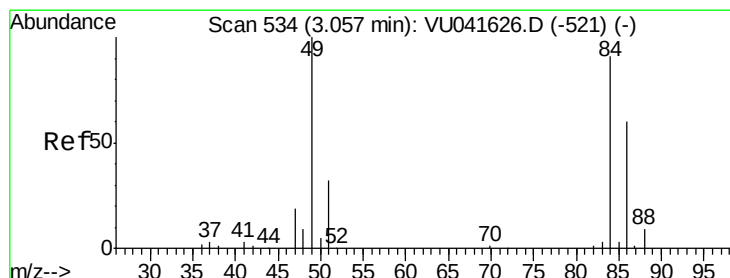
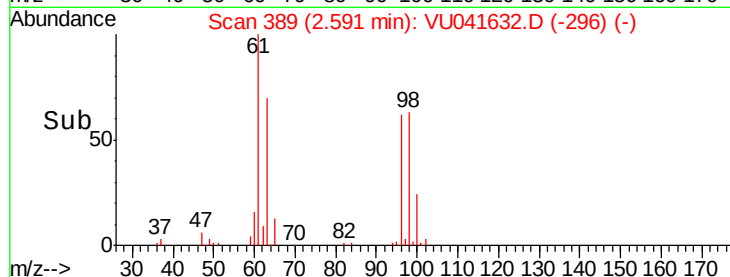
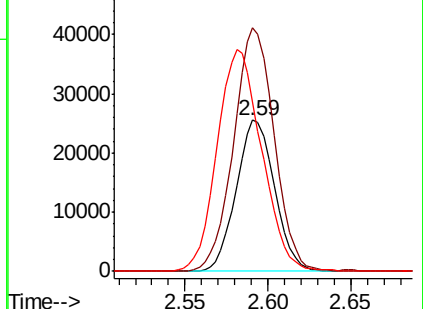
63 112.2 81.0 150.4



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



#16

Methylene chloride

Concen: 0.211 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

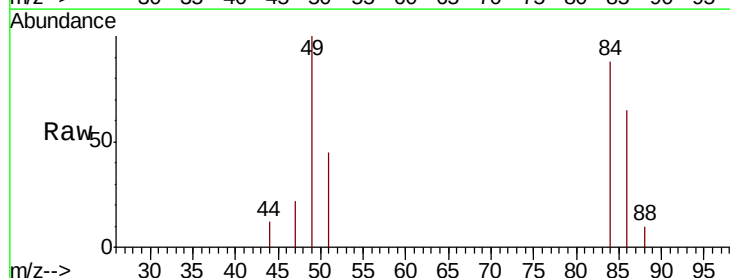
Tgt Ion: 84 Resp: 2073

Ion Ratio Lower Upper

84 100

86 73.5 45.1 83.7

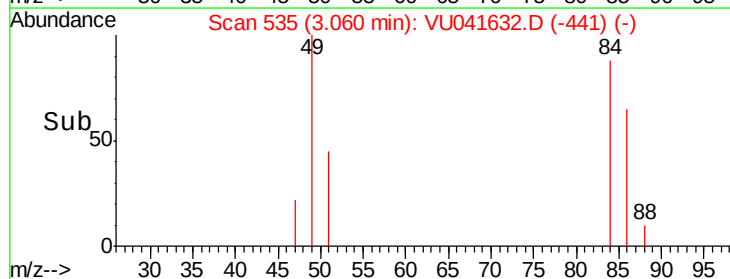
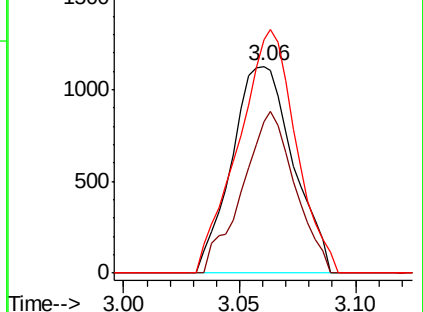
49 113.3 83.1 154.3

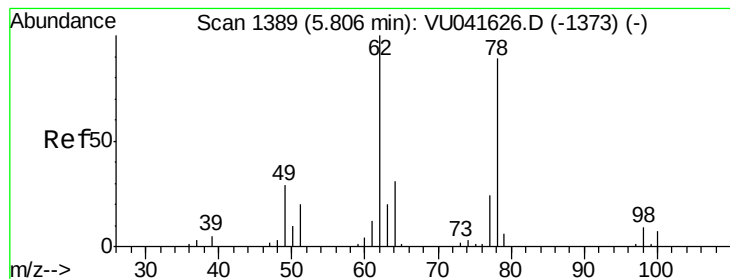


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#27

1,2-Dichloroethane

Concen: 0.173 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

Instrument :

MSVOA_U

ClientSampleId :

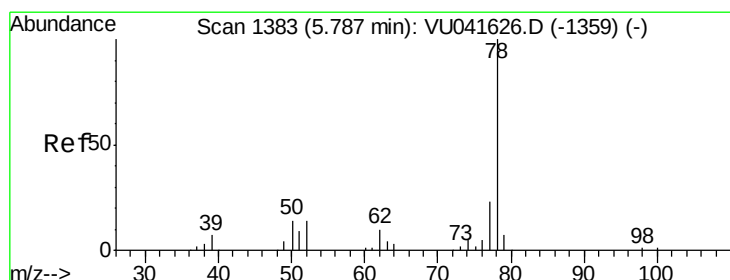
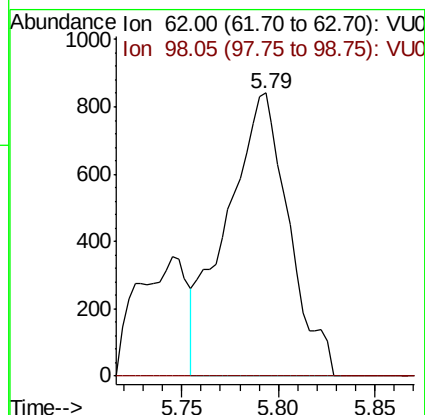
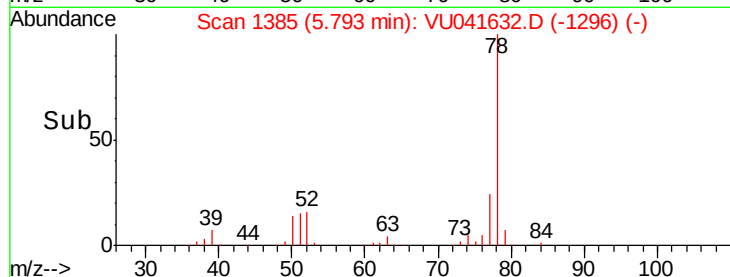
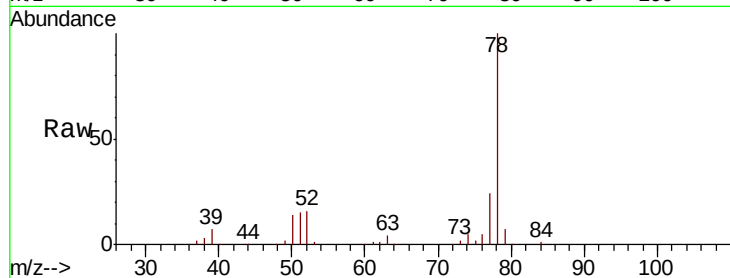
GB1K4MS

Tot Ion: 62 Resp: 1883

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#



#33

Benzene

Concen: 4.592 ug/L

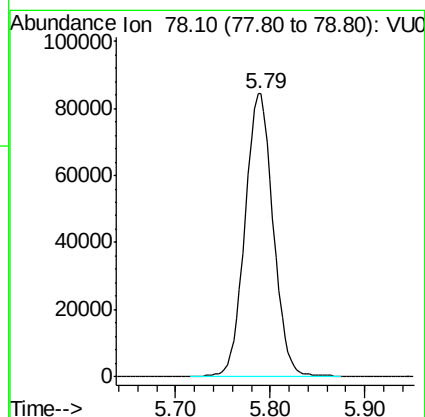
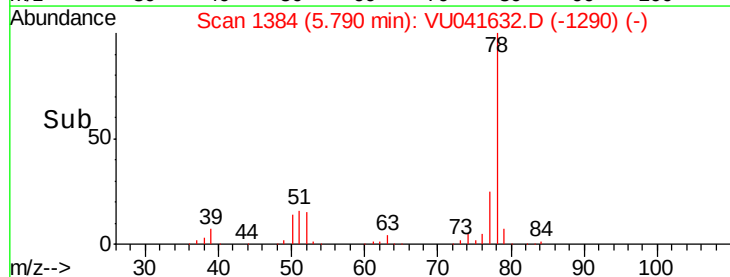
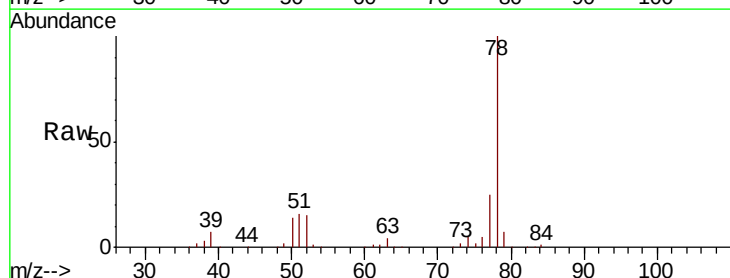
RT: 5.79 min Scan# 1384

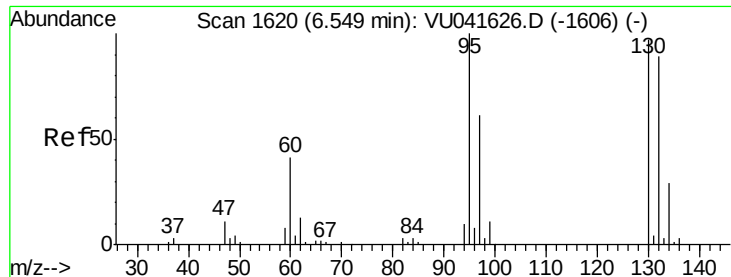
Delta R.T. 0.00 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

Tgt Ion: 78 Resp: 175230





#34

Trichloroethene

Concen: 4.813 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

Instrument :

MSVOA_U

ClientSampleId :

GB1K4MS

Tot Ion: 95 Resp: 46151

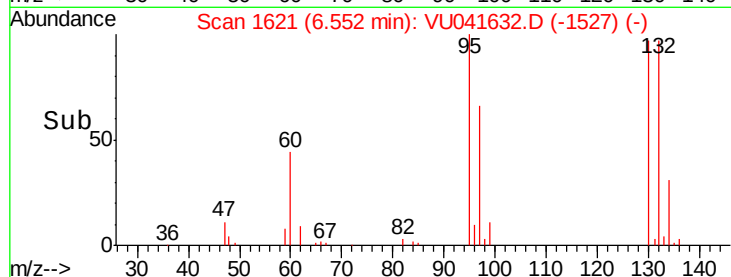
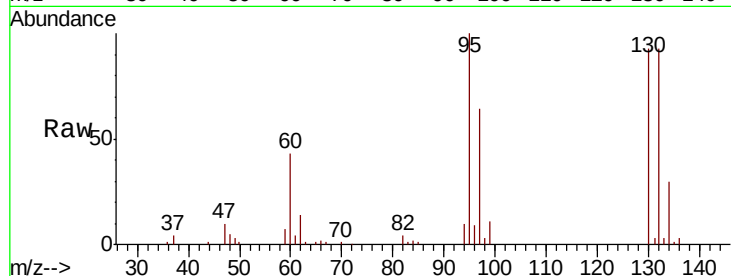
Ion Ratio Lower Upper

95 100

97 63.5 43.9 81.5

132 93.0 63.1 117.3

130 93.0 67.4 125.2

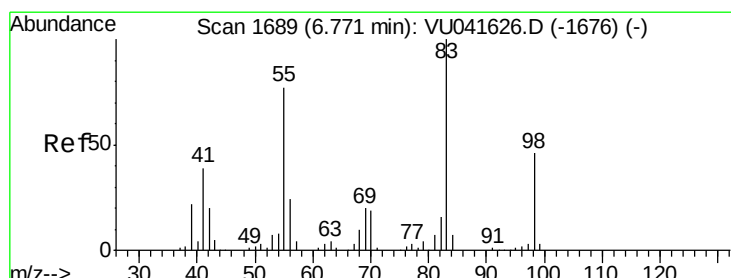
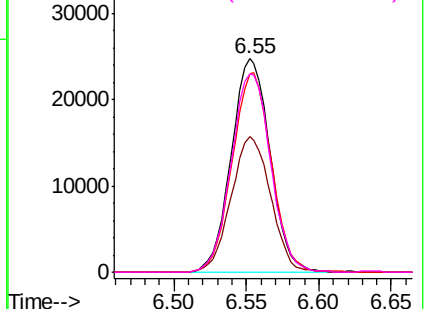


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.712 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

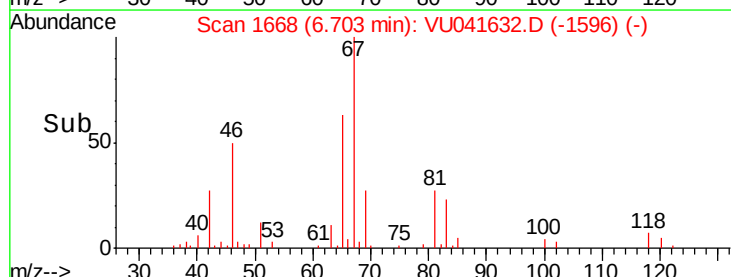
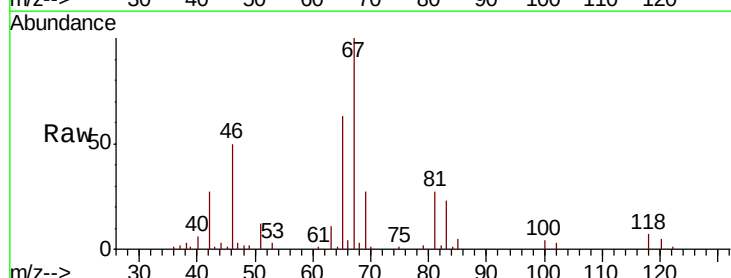
Tgt Ion: 83 Resp: 11038

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

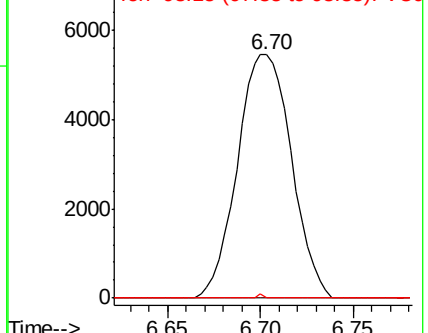
98 0.0 36.6 54.8#

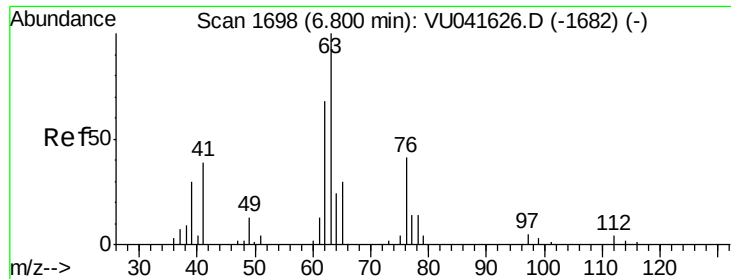


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

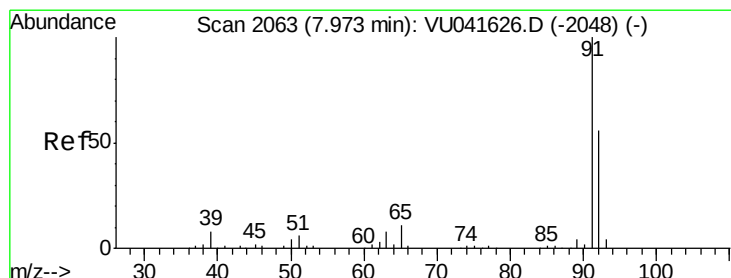
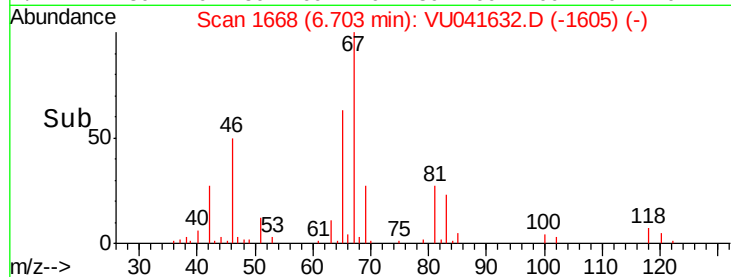
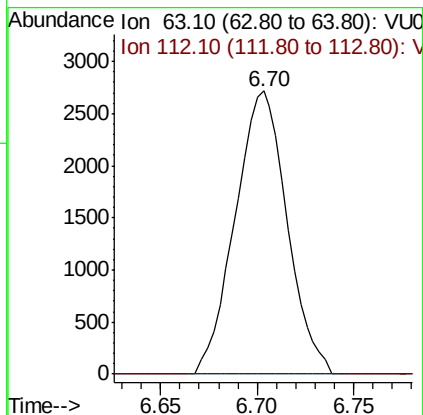
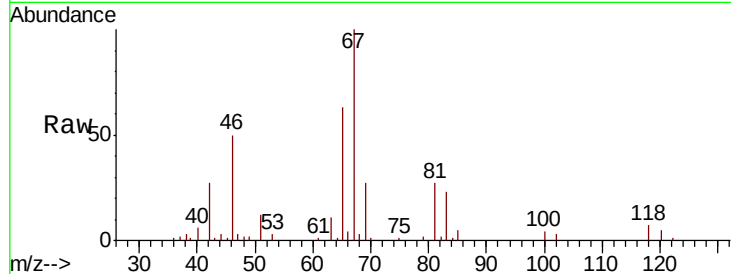




#37
 1,2-Dichloropropane
 Concen: 0.520 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041632.D
 Acq: 15 Dec 2020 13:32

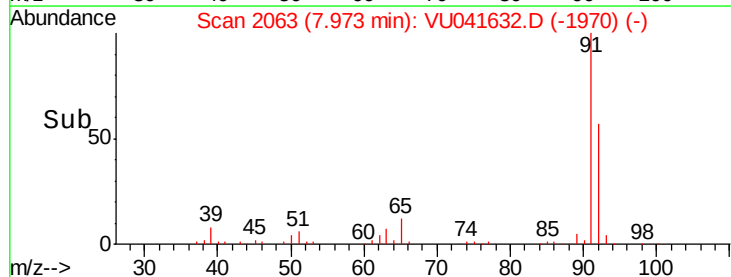
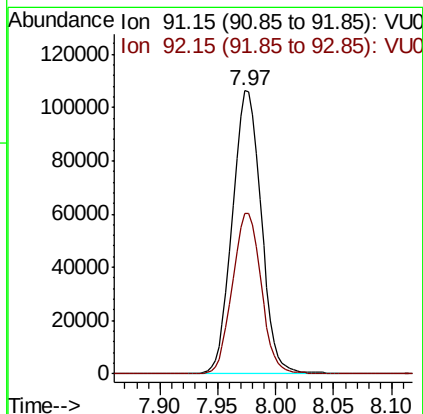
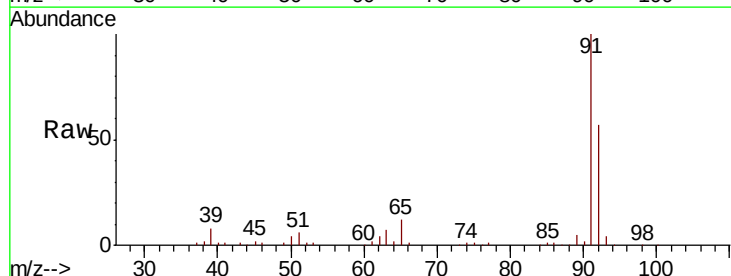
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K4MS

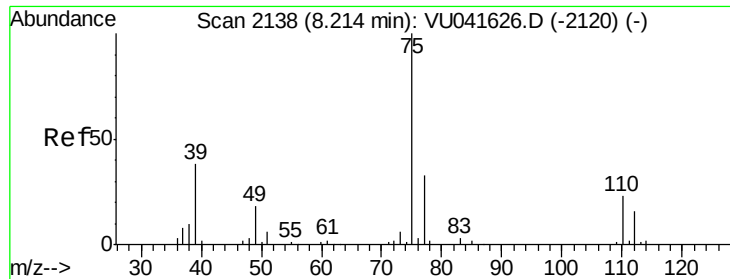
Tot Ion: 63 Resp: 5074
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#42
 Toluene
 Concen: 4.647 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VU041632.D
 Acq: 15 Dec 2020 13:32

Tgt Ion: 91 Resp: 183087
 Ion Ratio Lower Upper
 91 100
 92 56.8 40.0 74.2





#44

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

Instrument :

MSVOA_U

ClientSampleId :

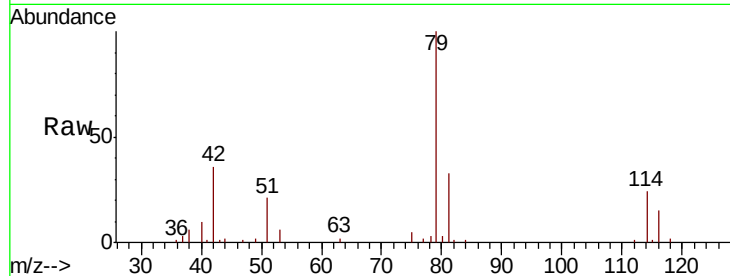
GB1K4MS

Tot Ion: 75 Resp: 887

Ion Ratio Lower Upper

75 100

77 46.4 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041632.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041632.D (-2120) (-)

8.19

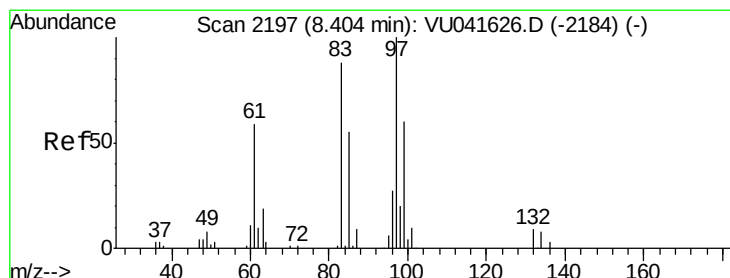
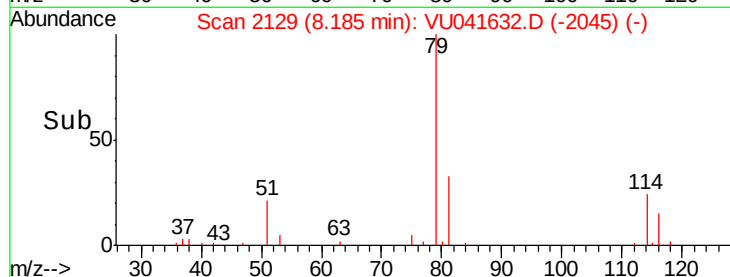
600

400

200

0

Time--> 8.14 8.16 8.18 8.20 8.22



#45

1,1,2-Trichloroethane

Concen: 0.286 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

Tgt Ion: 97 Resp: 2061

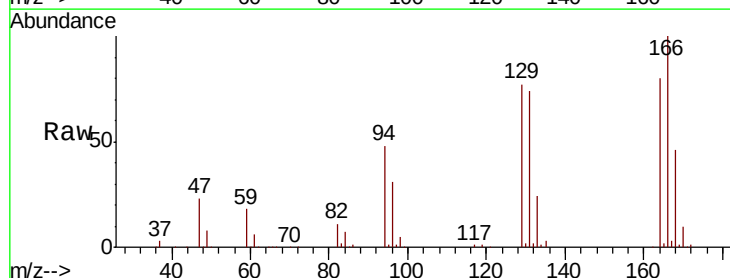
Ion Ratio Lower Upper

97 100

99 15.1 42.1 78.3#

83 312.7 62.6 116.2#

85 31.8 39.1 72.7#



Abundance Ion 96.95 (96.65 to 97.65): VU041632.D (-2104) (-)

Ion 99.05 (98.75 to 99.75): VU041632.D (-2104) (-)

Ion 82.95 (82.65 to 83.65): VU041632.D (-2104) (-)

Ion 85.00 (84.70 to 85.70): VU041632.D (-2104) (-)

5000

4000

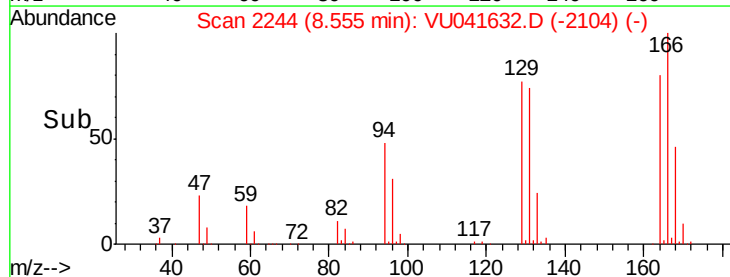
3000

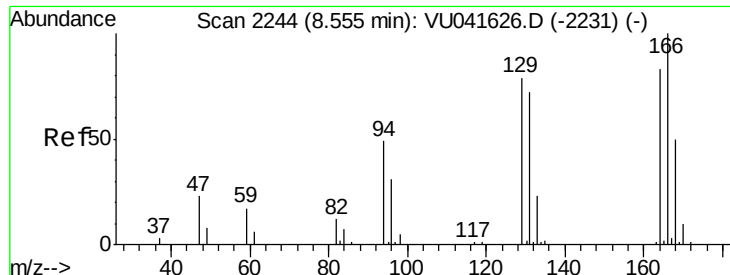
2000

1000

0

Time--> 8.50 8.55 8.60





#47

Tetrachloroethene

Concen: 38.840 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

Instrument :

MSVOA_U

ClientSampleId :

GB1K4MS

Tot Ion:164 Resp: 260733

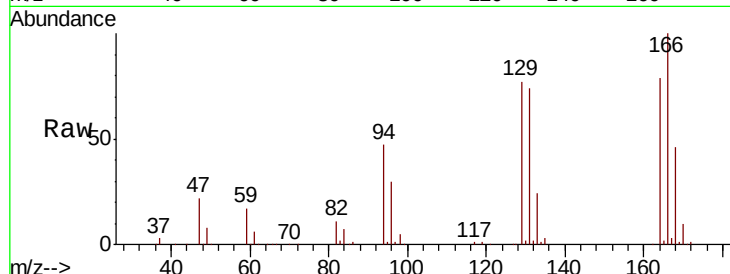
Ion Ratio Lower Upper

164 100

129 97.0 72.2 134.0

131 93.6 66.9 124.3

166 126.5 89.6 166.4

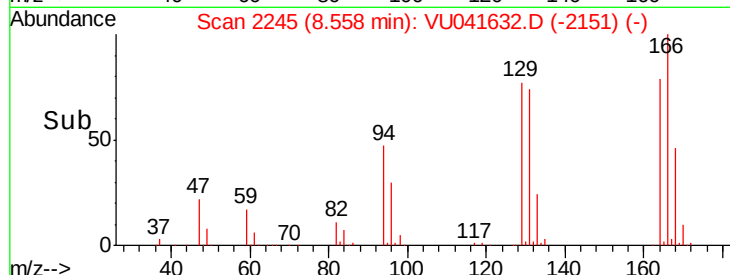


Abundance Ion 163.90 (163.60 to 164.60): V

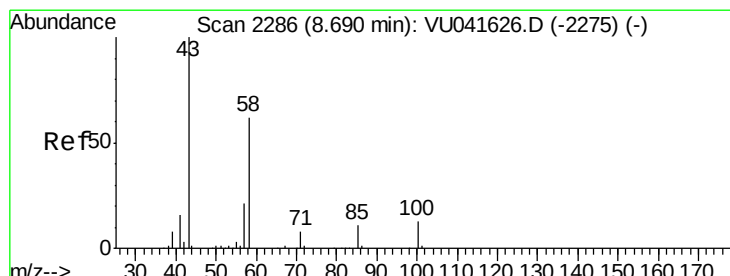
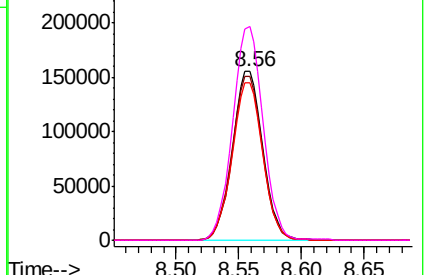
Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



Time-->



#48

2-Hexanone

Concen: 2.649 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

Tgt Ion: 43 Resp: 13389

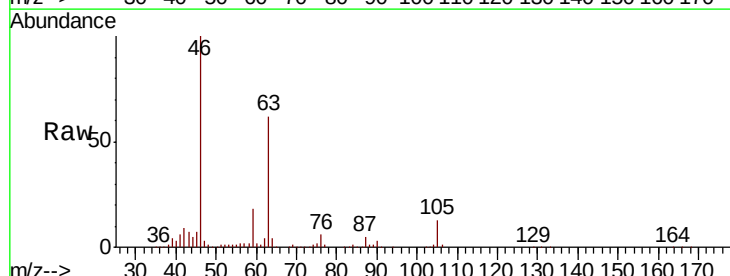
Ion Ratio Lower Upper

43 100

58 25.5 47.9 71.9#

57 24.3 16.5 24.7

100 0.0 9.4 14.2#

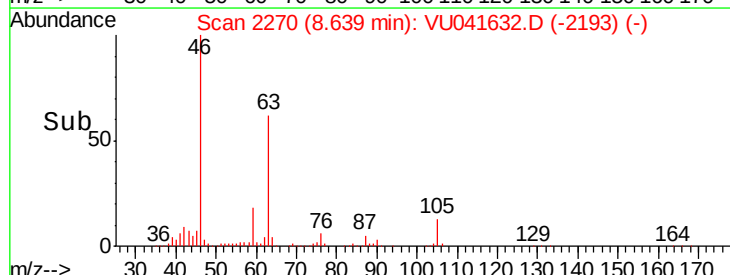


Abundance Ion 43.05 (42.75 to 43.75): VU0

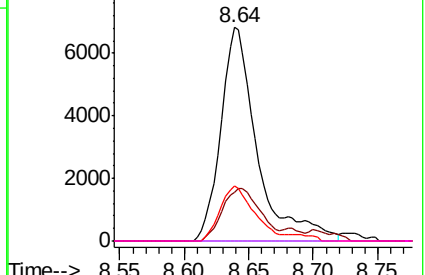
Ion 58.05 (57.75 to 58.75): VU0

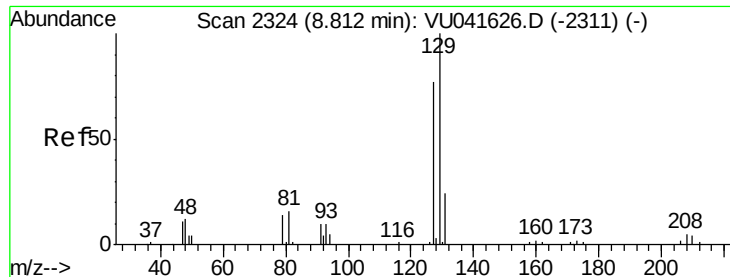
Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



Time-->

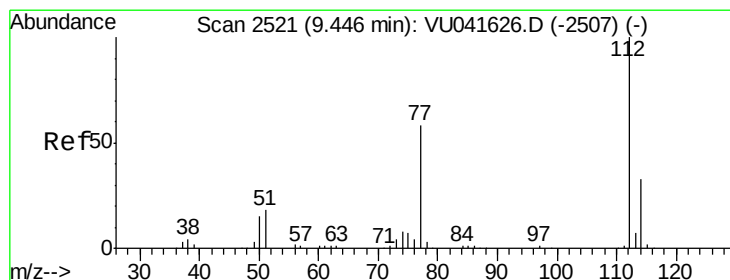
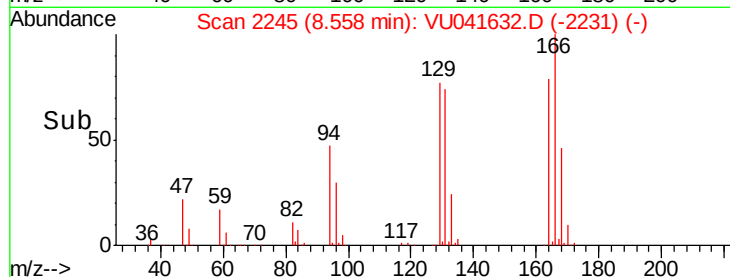
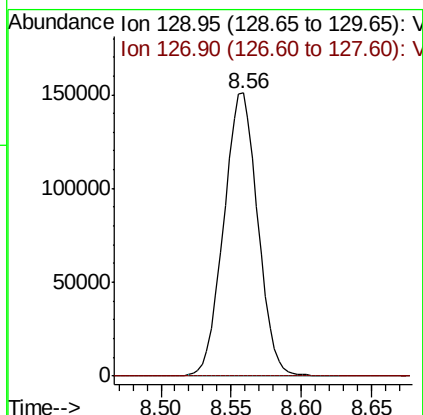
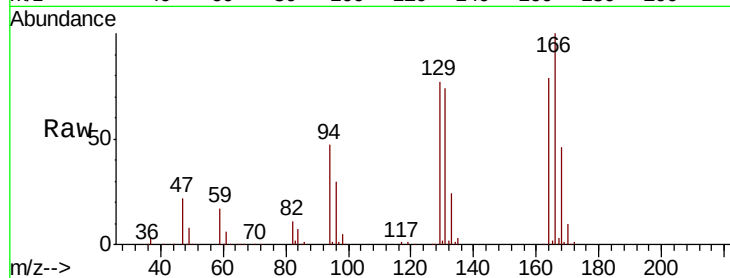




#49
Dibromochloromethane
Concen: 30.404 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041632.D
Acq: 15 Dec 2020 13:32

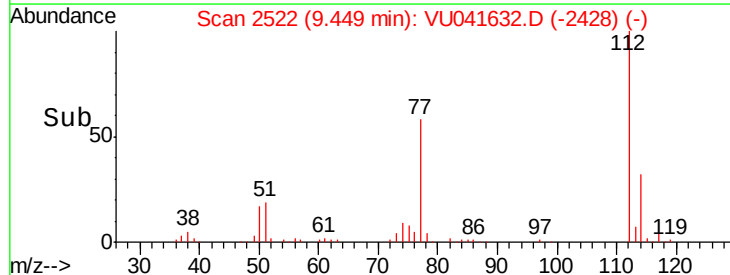
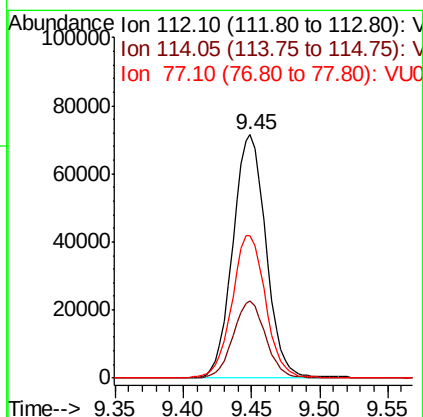
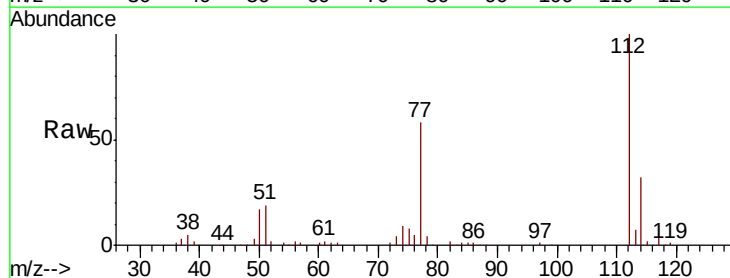
Instrument :
MSVOA_U
ClientSampleId :
GB1K4MS

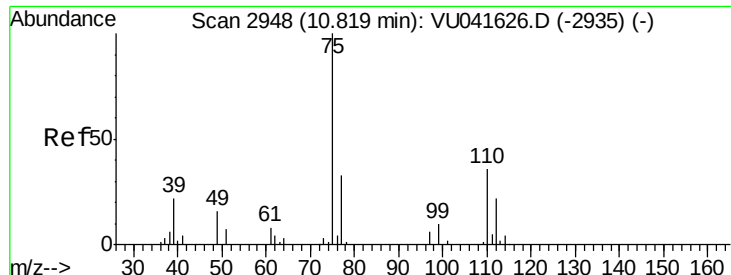
Tot Ion:129 Resp: 252096
Ion Ratio Lower Upper
129 100
127 0.2 54.7 101.7#



#51
Chlorobenzene
Concen: 4.920 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041632.D
Acq: 15 Dec 2020 13:32

Tgt Ion:112 Resp: 120497
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.3
77 58.4 49.1 73.7





#59

1,2,3-Trichloropropane

Concen: 0.882 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041632.D

Acq: 15 Dec 2020 13:32

Instrument :

MSVOA_U

ClientSampleId :

GB1K4MS

Tot Ion: 75 Resp: 6463

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

