

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040564.D
 Acq On : 08 Oct 2020 16:24
 Operator : SY/MD
 Sample : L4209-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JLWT5

Quant Time: Oct 09 02:04:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:55:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	139621	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	142132	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	64156	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	55650	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.92	69	43339	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.58	63	81114	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.66	46	182469	49.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.58%
24) Chloroform-d	5.08	84	95305	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	58426	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.74	84	183040	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.70	67	60942	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.90	98	152224	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	8.18	79	24874	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.64	63	130164	46.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50511	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	58315	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

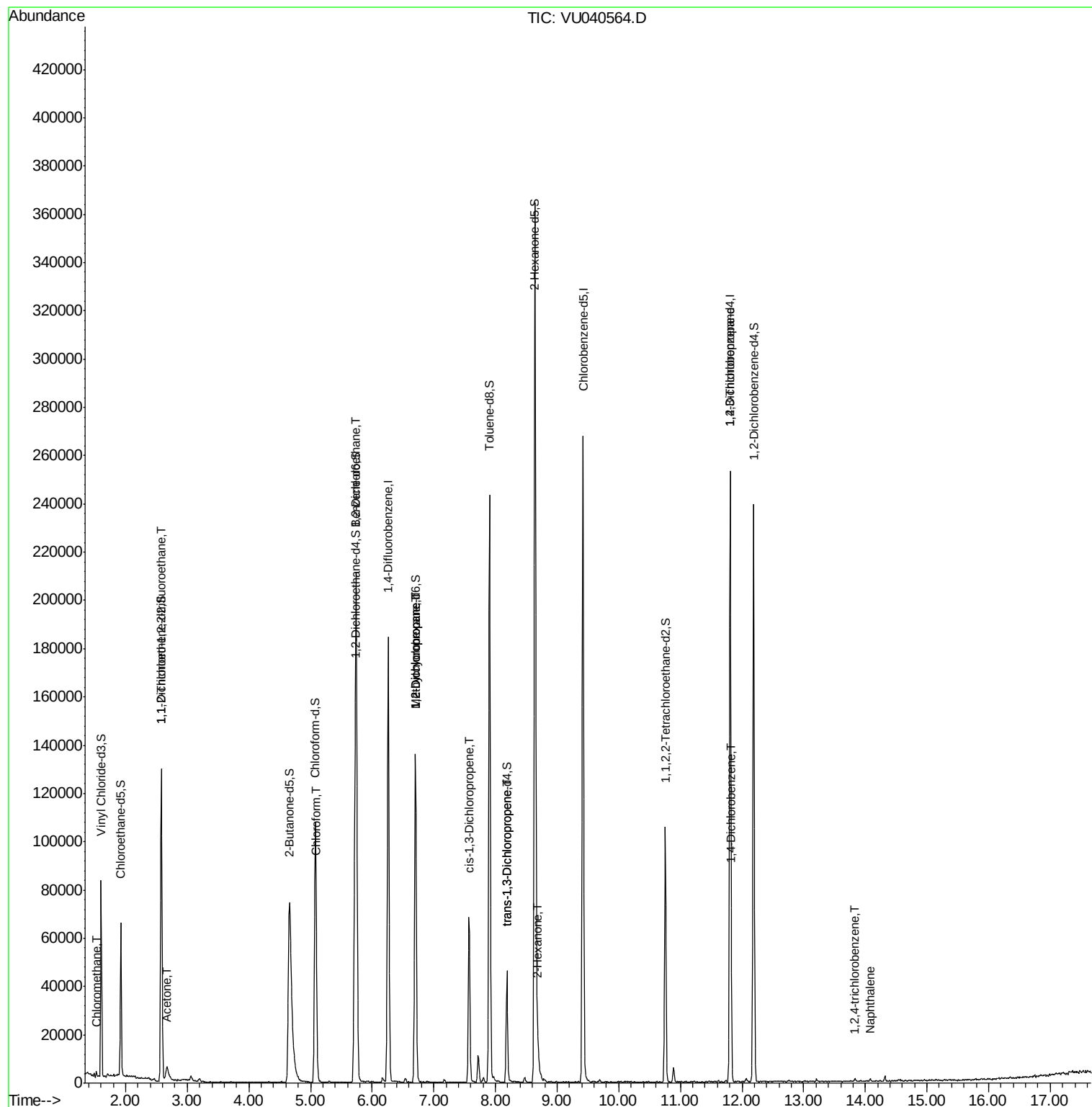
					Ovalue
3) Chloromethane	1.53	50	1325	0.112	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	742	0.064	ug/L # 20
13) Acetone	2.67	43	12250	4.269	ug/L 100
25) Chloroform	5.10	83	2901	0.132	ug/L 98
27) 1,2-Dichloroethane	5.74	62	1143	0.073	ug/L # 77
35) Methylcyclohexane	6.70	83	13909	0.829	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	7179	0.564	ug/L # 87
39) cis-1,3-Dichloropropene	7.58	75	2037	0.117	ug/L # 75
44) trans-1,3-Dichloropropene	8.19	75	1125	0.070	ug/L # 66
48) 2-Hexanone	8.69	43	4348	0.576	ug/L # 88
59) 1,2,3-Trichloropropane	11.81	75	9301	0.995	ug/L 97
63) 1,4-Dichlorobenzene	11.83	146	1159	0.054	ug/L 86
68) 1,2,4-trichlorobenzene	13.83	180	516	0.045	ug/L # 77
69) Naphthalene	14.08	128	1369	0.073	ug/L # 77

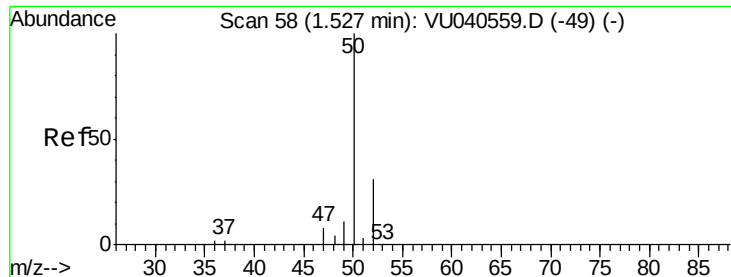
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.112 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040564.D

Acq: 08 Oct 2020 16:24

Instrument :

MSVOA_U

ClientSampled :

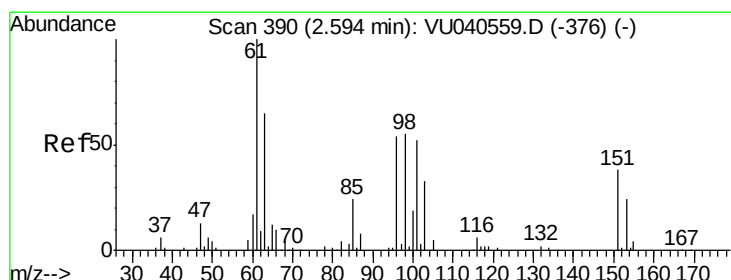
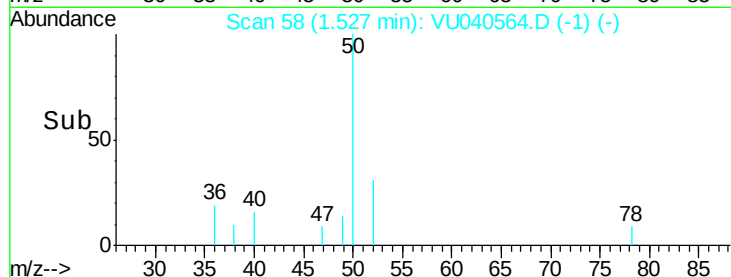
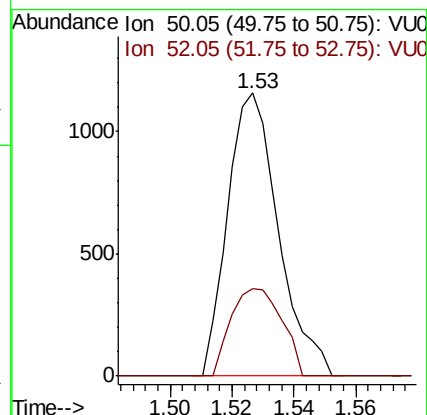
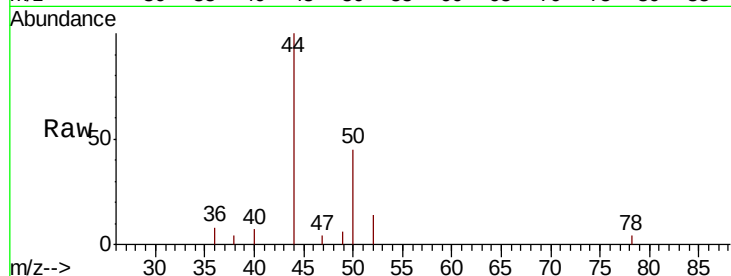
JLWT5

Tot Ion: 50 Resp: 1325

Ion Ratio Lower Upper

50 100

52 31.1 21.9 40.7



#10

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

Concen: 0.064 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040564.D

Acq: 08 Oct 2020 16:24

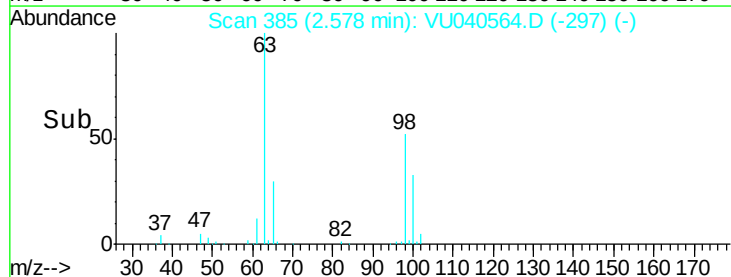
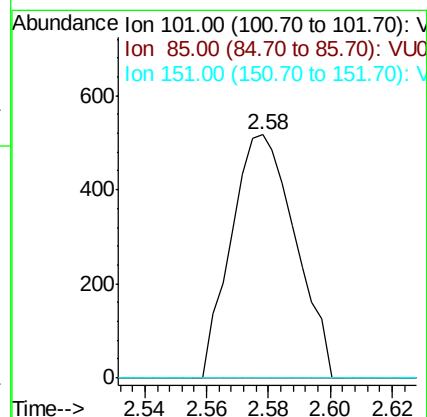
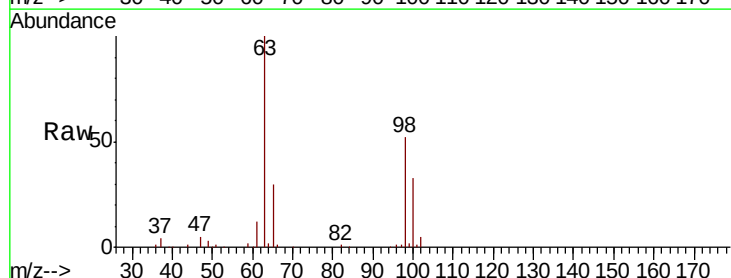
Tgt Ion: 101 Resp: 742

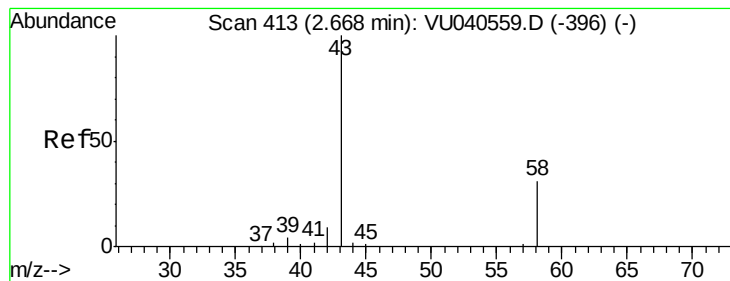
Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#





#13

Acetone

Concen: 4.269 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040564.D

Acq: 08 Oct 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

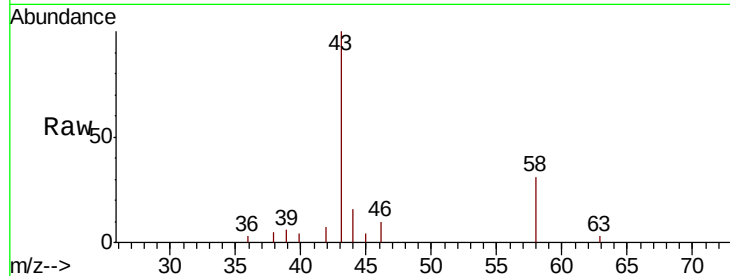
JLWT5

Tot Ion: 43 Resp: 12250

Ion Ratio Lower Upper

43 100

58 30.5 0.0 60.6



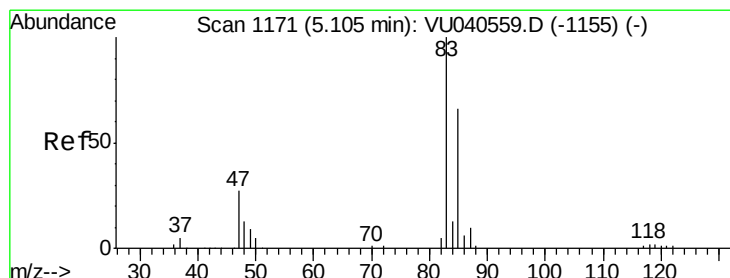
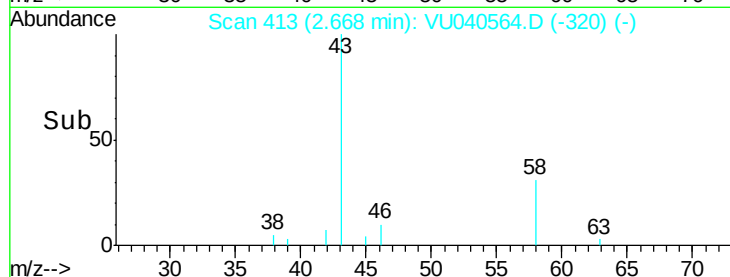
Abundance Ion 43.05 (42.75 to 43.75): VU040559.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040559.D (-396) (-)

2.67

Time-->

2.60 2.65 2.70 2.75



#25

Chloroform

Concen: 0.132 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040564.D

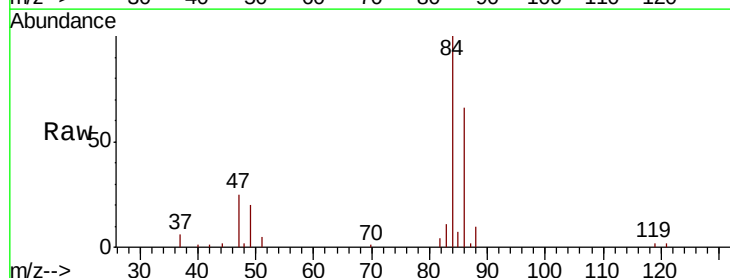
Acq: 08 Oct 2020 16:24

Tgt Ion: 83 Resp: 2901

Ion Ratio Lower Upper

83 100

85 68.4 46.5 86.5



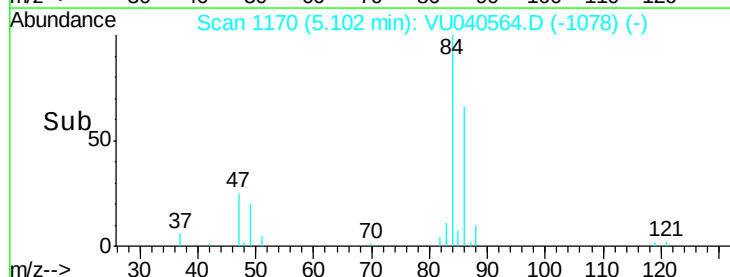
Abundance Ion 83.05 (82.75 to 83.75): VU040559.D (-1155) (-)

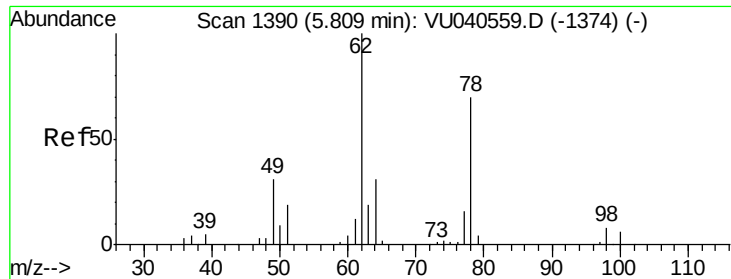
Ion 85.00 (84.70 to 85.70): VU040559.D (-1155) (-)

5.10

Time-->

5.05 5.10 5.15

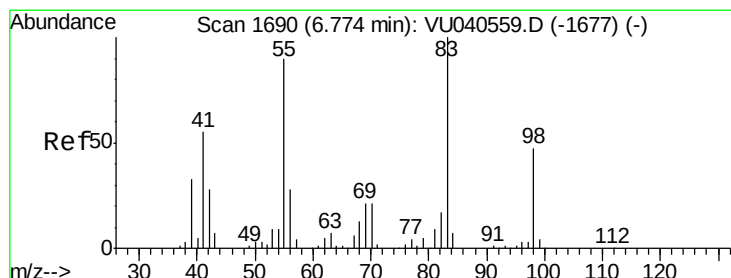
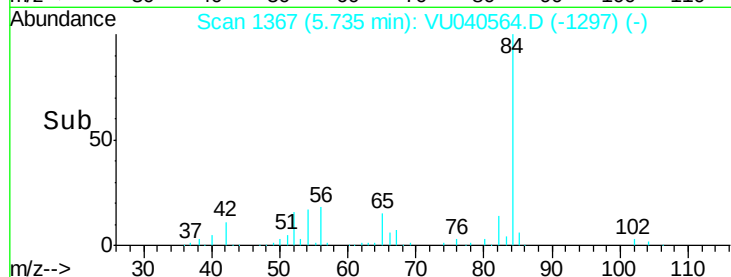
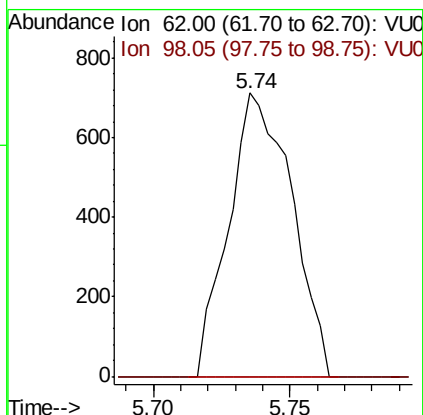
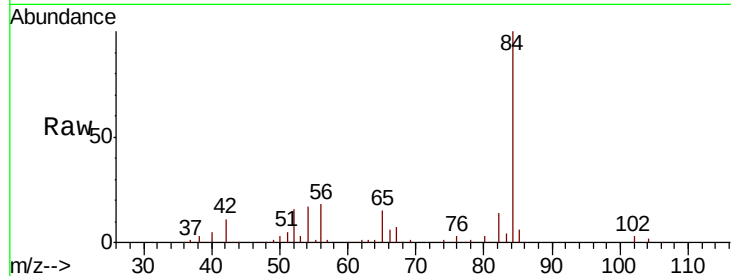




#27
 1,2-Dichloroethane
 Concen: 0.073 ug/L
 RT: 5.74 min Scan# 1367
 Delta R.T. -0.07 min
 Lab File: VU040564.D
 Acq: 08 Oct 2020 16:24

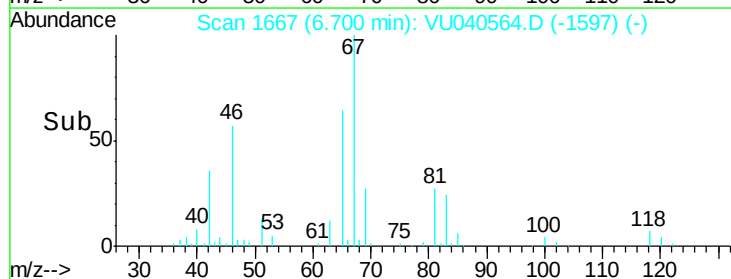
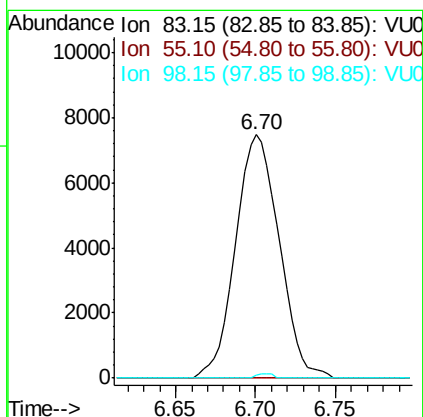
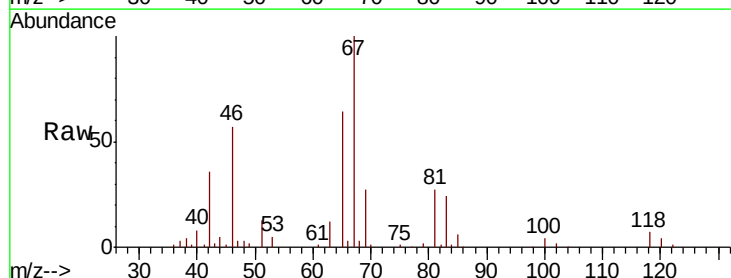
Instrument :
 MSVOA_U
 ClientSampleId :
 JLWT5

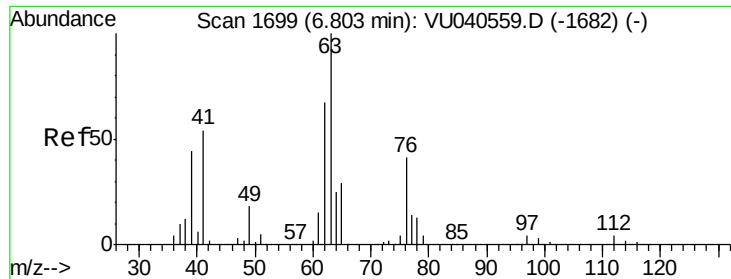
Tot Ion: 62 Resp: 1143
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 0.829 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU040564.D
 Acq: 08 Oct 2020 16:24

Tgt Ion: 83 Resp: 13909
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 0.6 38.4 57.6#

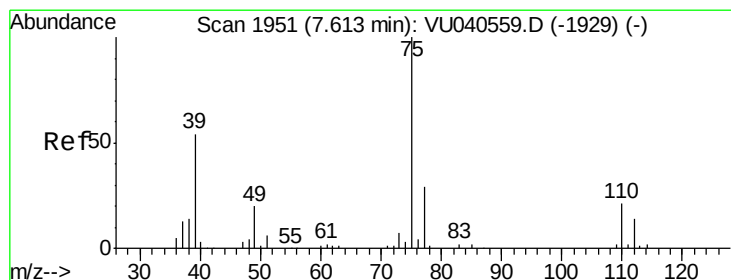
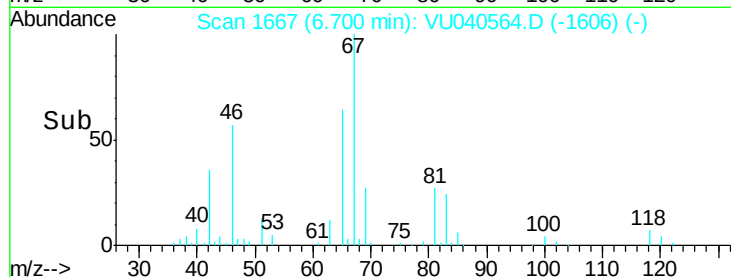
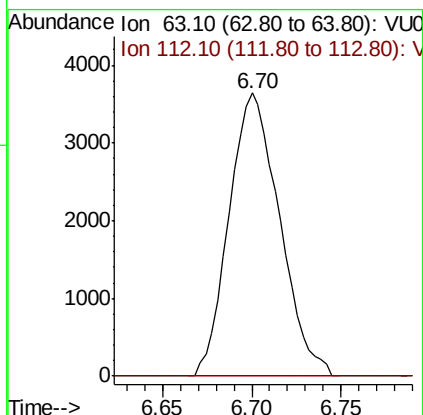
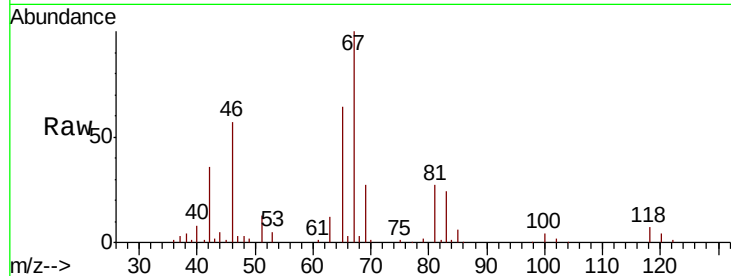




#37
 1,2-Dichloropropane
 Concen: 0.564 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040564.D
 Acq: 08 Oct 2020 16:24

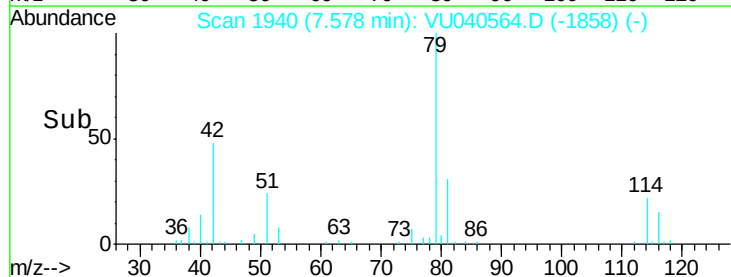
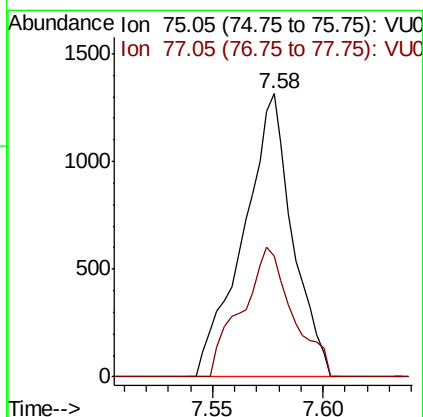
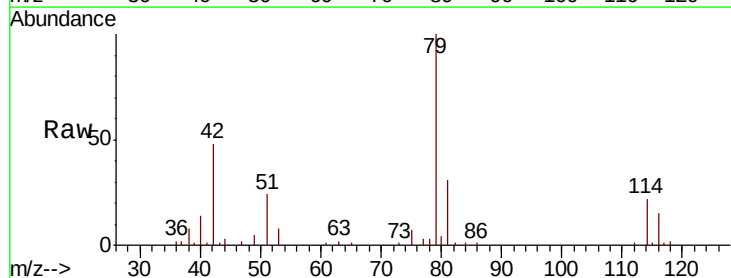
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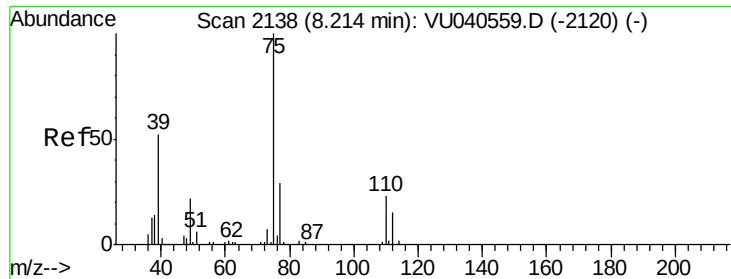
Tot Ion: 63 Resp: 7179
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040564.D
 Acq: 08 Oct 2020 16:24

Tgt Ion: 75 Resp: 2037
 Ion Ratio Lower Upper
 75 100
 77 42.7 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040564.D

Acq: 08 Oct 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

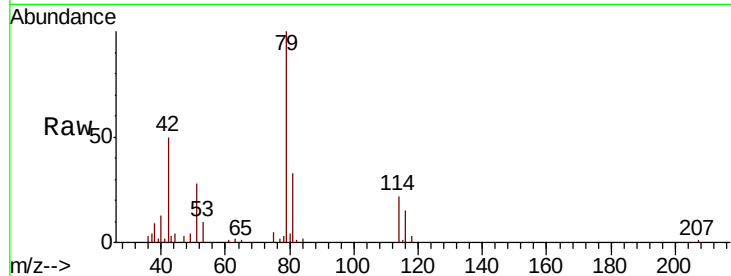
JLWT5

Tot Ion: 75 Resp: 1125

Ion Ratio Lower Upper

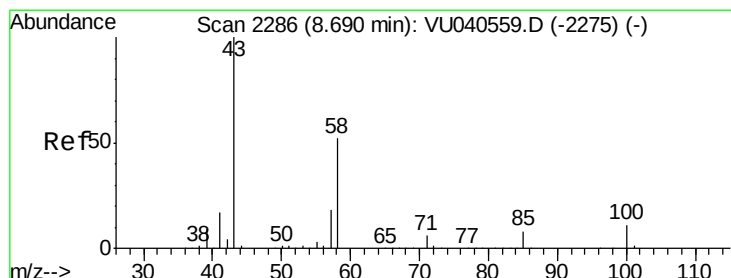
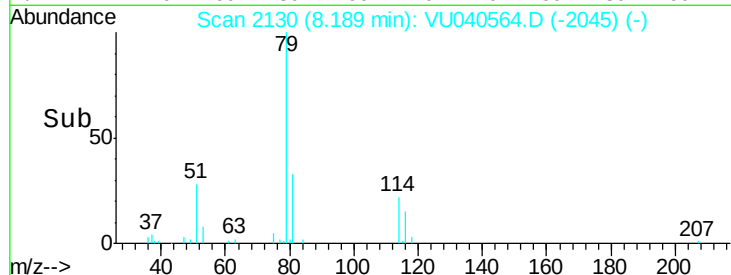
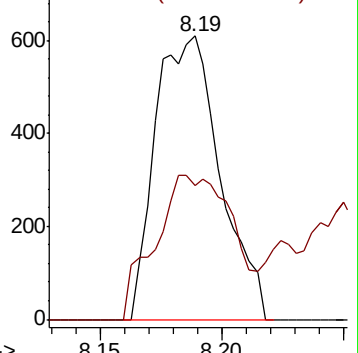
75 100

77 47.4 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 0.576 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040564.D

Acq: 08 Oct 2020 16:24

Tgt Ion: 43 Resp: 4348

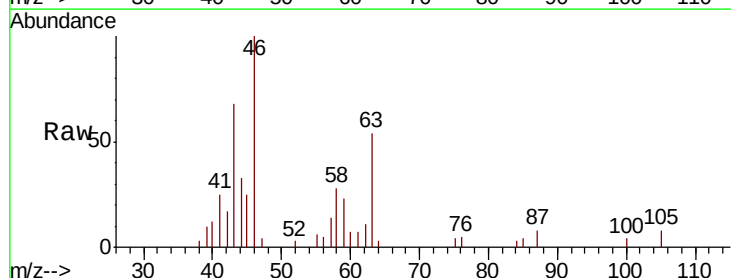
Ion Ratio Lower Upper

43 100

58 40.2 41.0 61.6#

57 18.1 14.4 21.6

100 6.2 8.6 13.0#

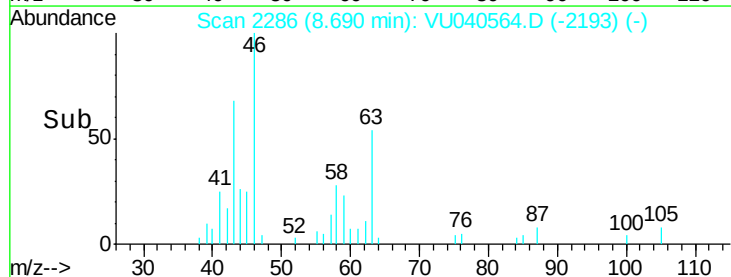
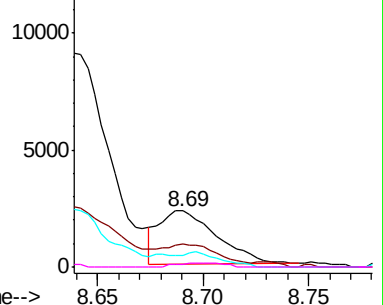


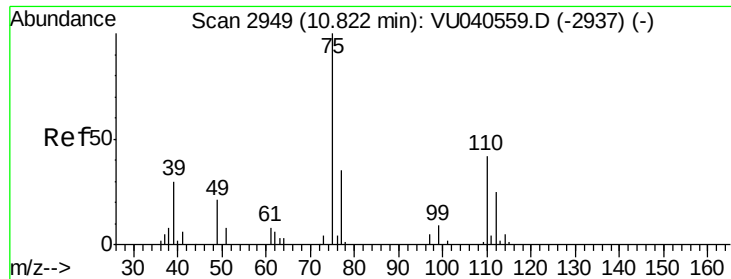
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

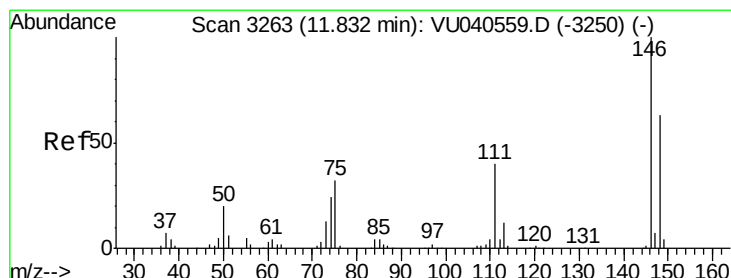
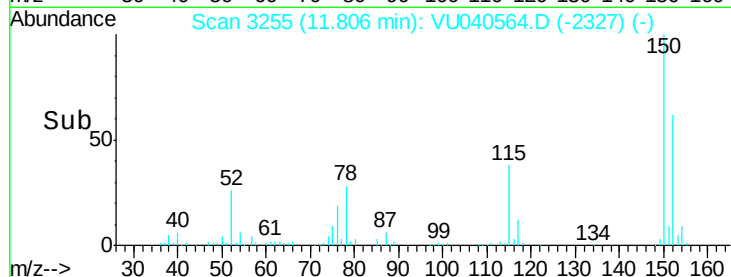
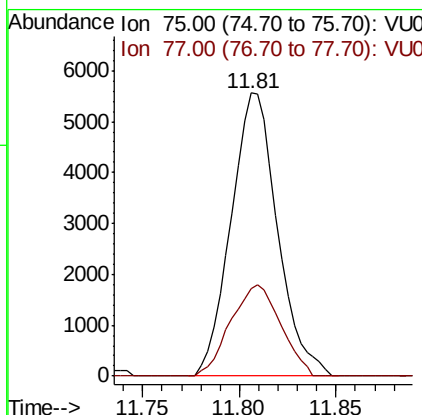
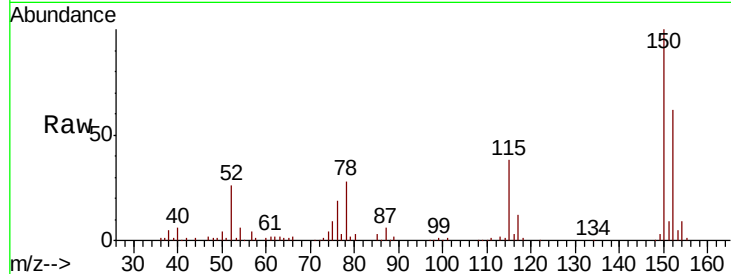




#59
 1,2,3-Trichloropropane
 Concen: 0.995 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU040564.D
 Acq: 08 Oct 2020 16:24

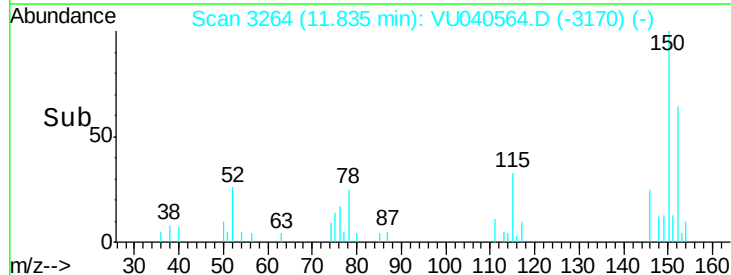
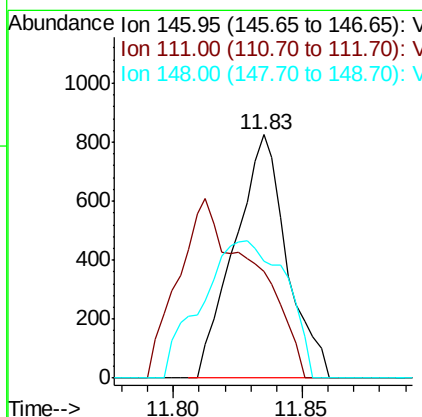
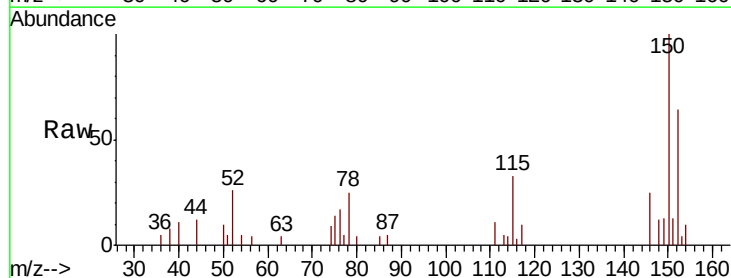
Instrument :
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 JLWT5

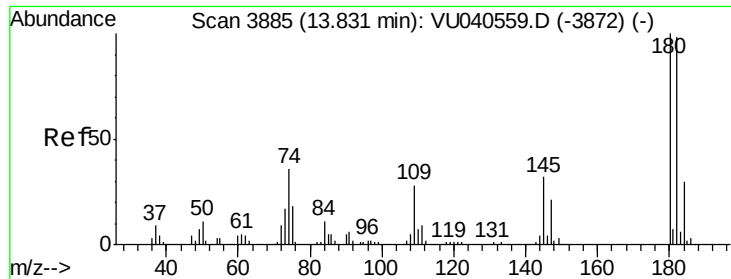
Tot Ion: 75 Resp: 9301
 Ion Ratio Lower Upper
 75 100
 77 34.7 26.4 39.6



#63
 1,4-Dichlorobenzene
 Concen: 0.054 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU040564.D
 Acq: 08 Oct 2020 16:24

Tgt Ion: 146 Resp: 1159
 Ion Ratio Lower Upper
 146 100
 111 43.9 28.4 52.8
 148 47.9 44.0 81.6

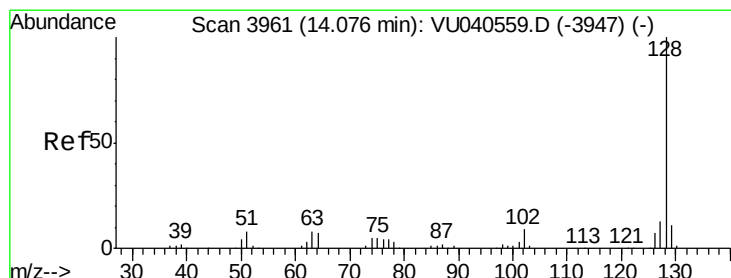
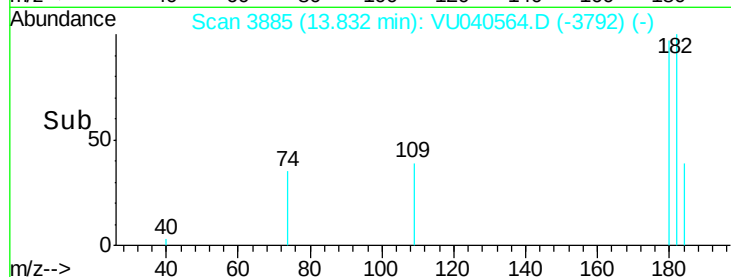
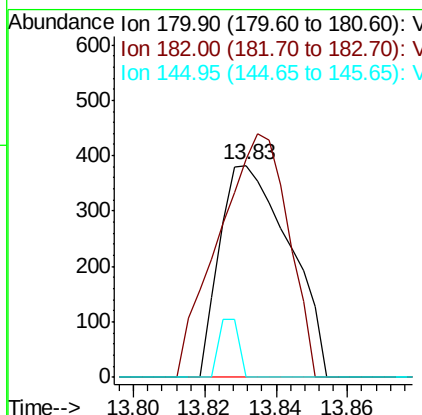
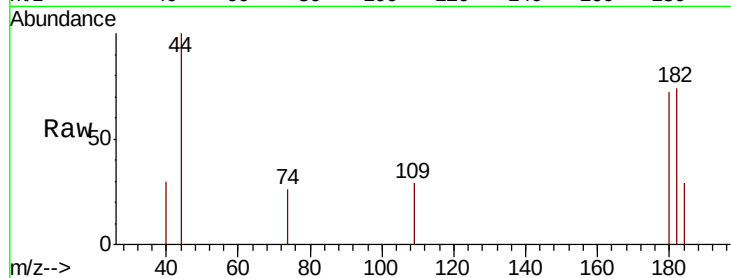




#68
 1,2,4-trichlorobenzene
 Concen: 0.045 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040564.D
 Acq: 08 Oct 2020 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 JLWT5

Tot Ion:180 Resp: 516
 Ion Ratio Lower Upper
 180 100
 182 114.5 78.8 118.2
 145 7.8 26.1 39.1#



#69
 Naphthalene
 Concen: 0.073 ug/L
 RT: 14.08 min Scan# 3963
 Delta R.T. 0.01 min
 Lab File: VU040564.D
 Acq: 08 Oct 2020 16:24

Tgt Ion:128 Resp: 1369
 Ion Ratio Lower Upper
 128 100
 129 0.0 9.0 13.4#
 127 6.1 10.2 15.4#

