

Data File : VU041389.D
Acq On : 23 Nov 2020 15:44
Operator : SY/MD
Sample : L4849-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4401

Quant Time: Nov 24 01:53:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	57849	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54208	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24816	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	13690	3.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.40%
7) Chloroethane-d5	1.92	69	13607	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.57	63	25464	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.64	46	69525	67.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.24%#
24) Chloroform-d	5.08	84	44000	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.72	65	28099	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
32) Benzene-d6	5.74	84	76842	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.00%
36) 1,2-Dichloropropane-d6	6.70	67	27163	6.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	128.60%
41) Toluene-d8	7.90	98	64404	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	8.19	79	10504	5.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.60%
46) 2-Hexanone-d5	8.64	63	49045	78.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	156.48%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22873	6.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	133.20%#
64) 1,2-Dichlorobenzene-d4	12.19	152	25851	6.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	125.00%#

Target Compounds

						Qvalue
3) Chloromethane	1.52	50	388	0.082	ug/L #	43
5) Vinyl chloride	1.61	62	1926	0.381	ug/L #	73
12) 1,1-Dichloroethene	2.58	96	204	0.057	ug/L #	1
13) Acetone	2.64	43	1984	2.834	ug/L	92
16) Methylene chloride	3.06	84	617	0.121	ug/L	96
18) trans-1,2-Dichloroethene	3.37	96	562	0.145	ug/L	78
21) 2-Butanone	4.82	43	49718	44.716	ug/L #	50
22) cis-1,2-Dichloroethene	4.68	96	14540	3.539	ug/L	98
25) Chloroform	5.11	83	658	0.078	ug/L	86
27) 1,2-Dichloroethane	5.75	62	493	0.090	ug/L #	78
33) Benzene	5.79	78	1276	0.088	ug/L	100
34) Trichloroethene	6.55	95	2454	0.620	ug/L	91
35) Methylcyclohexane	6.70	83	6444	1.116	ug/L #	16
37) 1,2-Dichloropropane	6.70	63	3338	0.837	ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	709	0.129	ug/L #	53
40) 4-Methyl-2-pentanone	7.80	43	1299	0.531	ug/L #	74
44) trans-1,3-Dichloropropene	8.19	75	538	0.107	ug/L #	49

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112320\
Quantitation Report (Not Reviewed)

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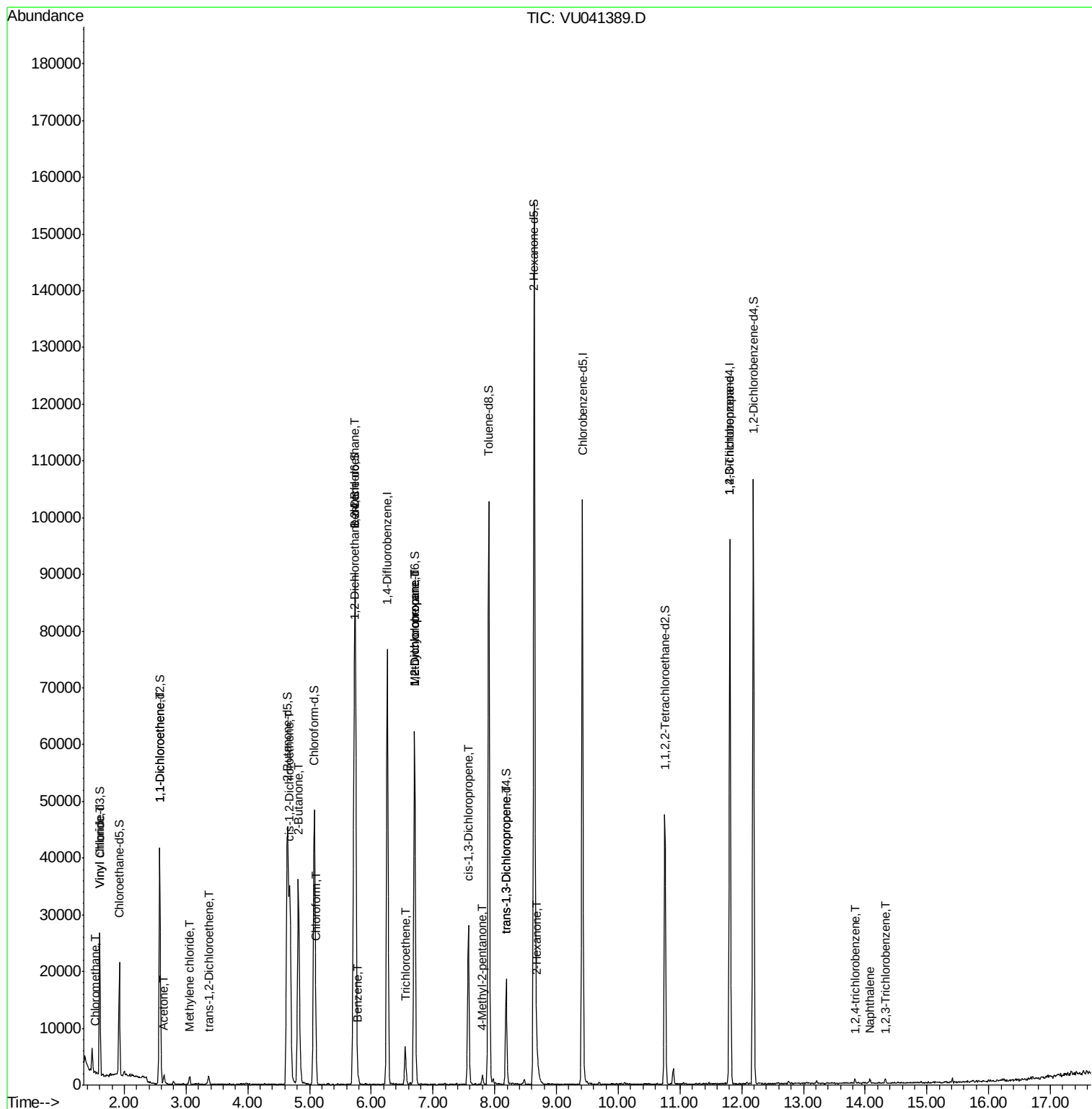
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.68	43	2487	1.385	ug/L #	81
59) 1,2,3-Trichloropropane	11.81	75	3130	1.201	ug/L #	82
68) 1,2,4-trichlorobenzene	13.83	180	438	0.111	ug/L #	79
69) Naphthalene	14.08	128	861	0.138	ug/L #	82
70) 1,2,3-Trichlorobenzene	14.32	180	438	0.121	ug/L #	77

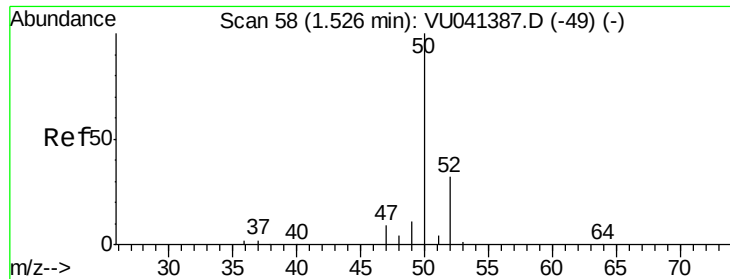
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.082 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.01 min

Lab File: VU041389.D

Acq: 23 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

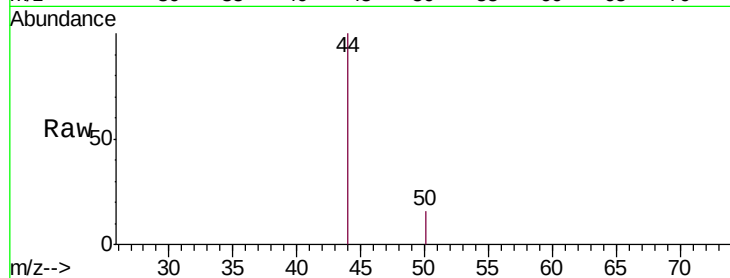
H4401

Tgt Ion: 50 Resp: 388

Ion Ratio Lower Upper

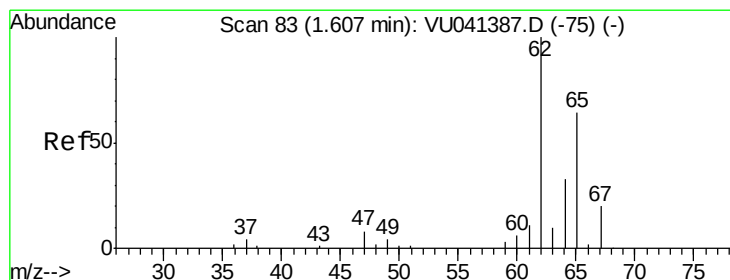
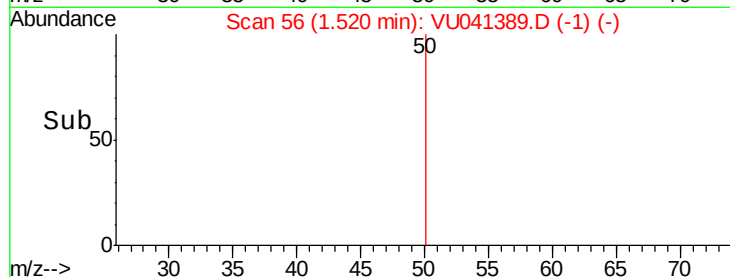
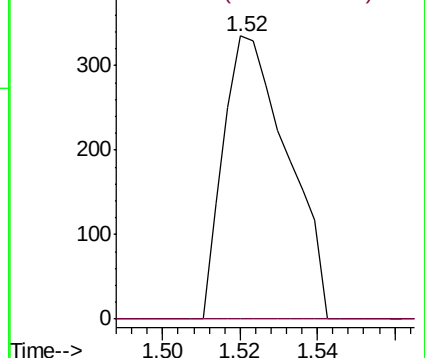
50 100

52 0.0 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.381 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041389.D

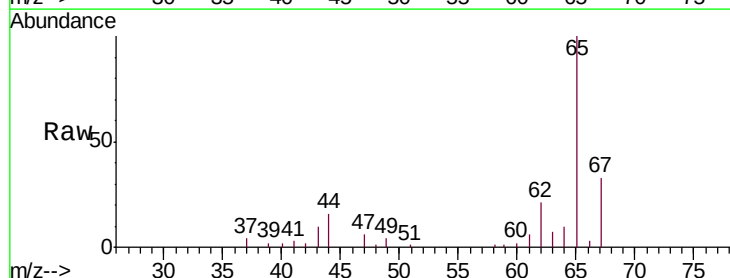
Acq: 23 Nov 2020 15:44

Tgt Ion: 62 Resp: 1926

Ion Ratio Lower Upper

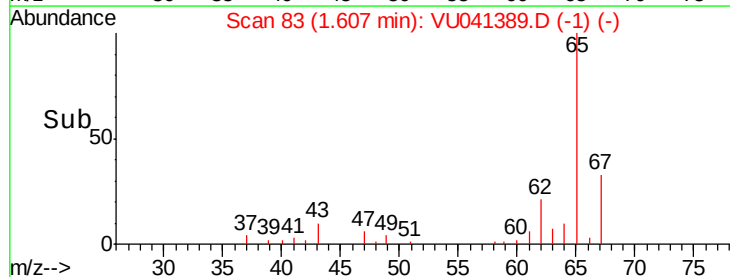
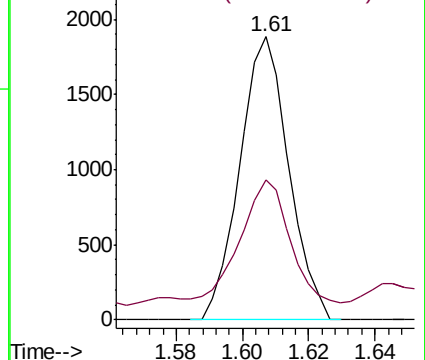
62 100

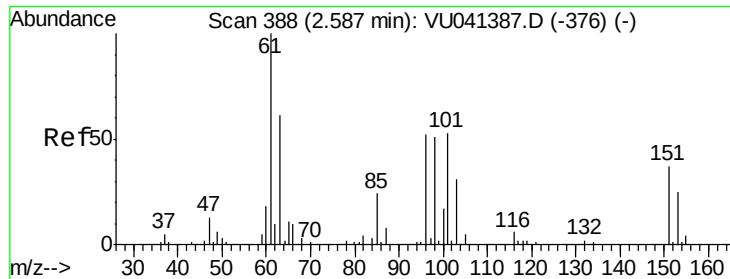
64 49.4 23.8 44.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

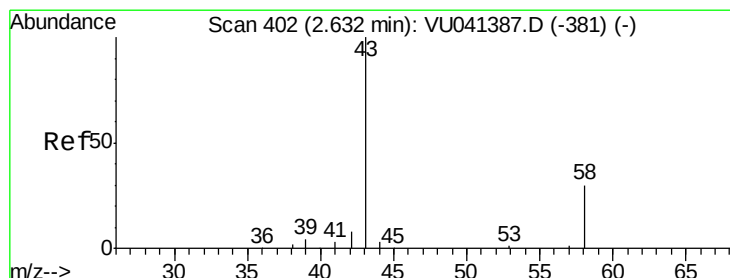
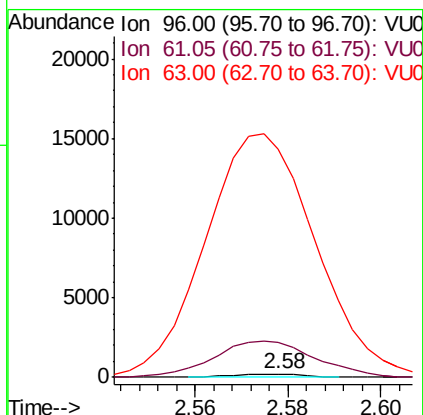
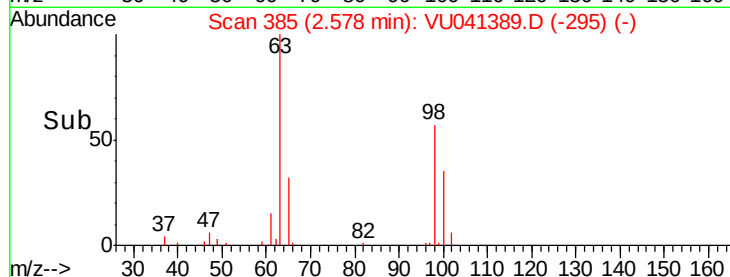
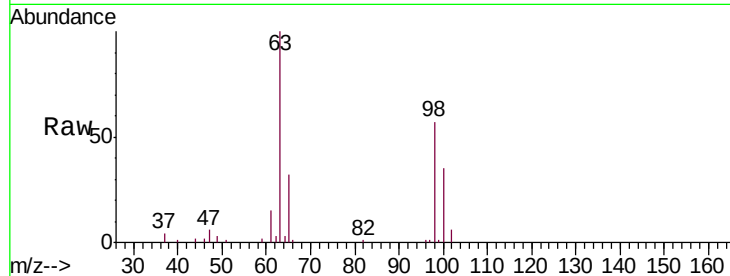




#12
 1,1-Dichloroethene
 Concen: 0.057 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU041389.D
 Acq: 23 Nov 2020 15:44

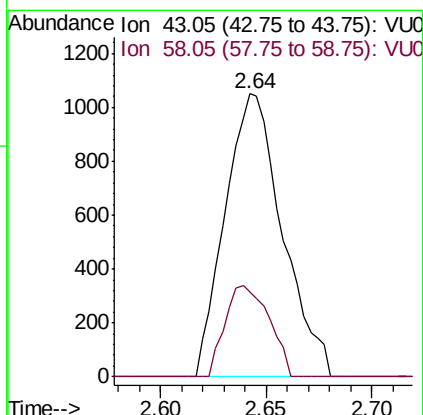
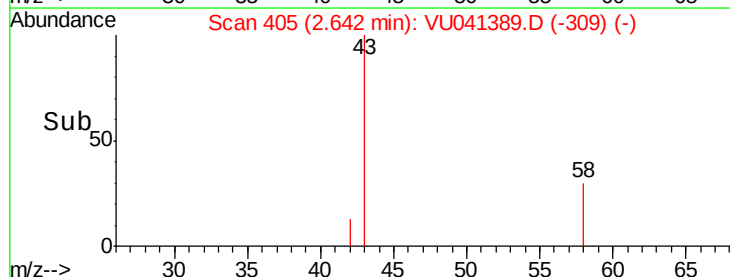
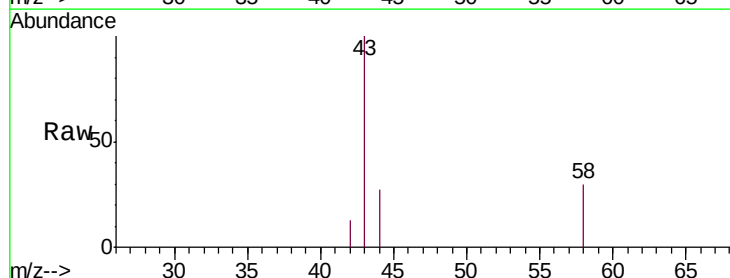
Instrument :
 MSVOA_U
 ClientSampleId :
 H4401

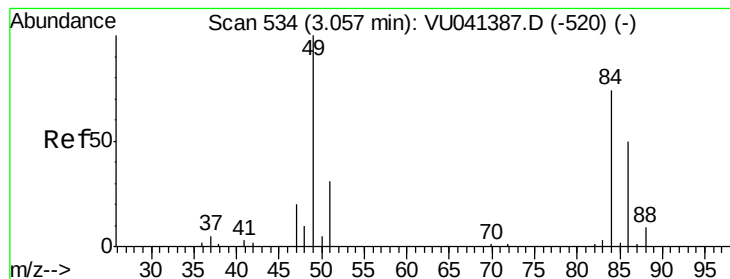
Tgt Ion: 96 Resp: 204
 Ion Ratio Lower Upper
 96 100
 61 1127.8 129.8 241.2#
 63 7395.4 79.2 147.0#



#13
 Acetone
 Concen: 2.834 ug/L
 RT: 2.64 min Scan# 405
 Delta R.T. 0.01 min
 Lab File: VU041389.D
 Acq: 23 Nov 2020 15:44

Tgt Ion: 43 Resp: 1984
 Ion Ratio Lower Upper
 43 100
 58 24.7 0.0 57.8





#16

Methylene chloride

Concen: 0.121 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU041389.D

Acq: 23 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampled :

H4401

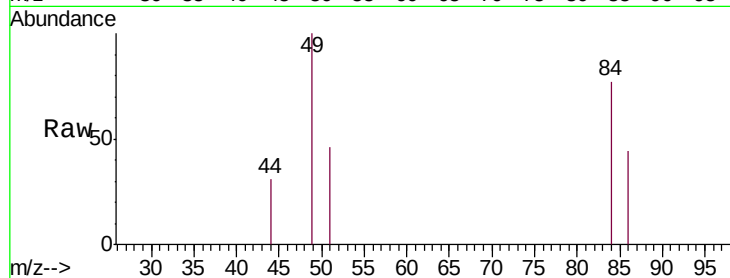
Tgt Ion: 84 Resp: 617

Ion Ratio Lower Upper

84 100

86 56.5 44.4 82.5

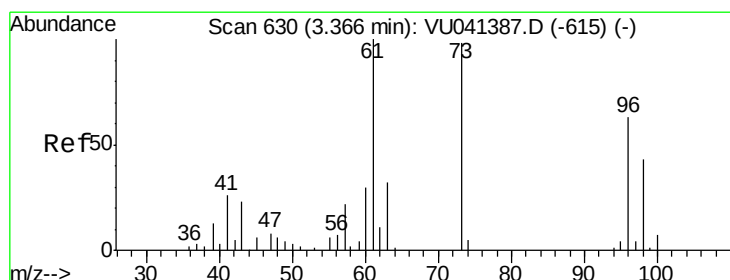
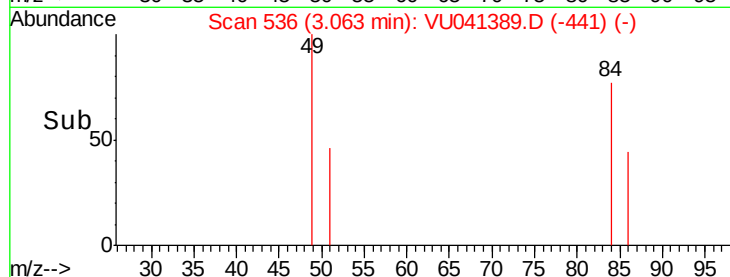
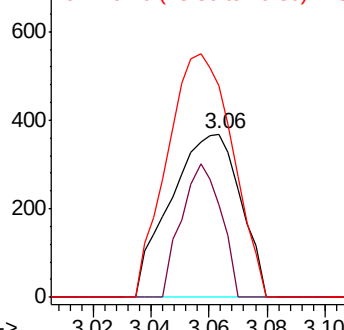
49 129.9 89.9 167.0



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



#18

trans-1,2-Dichloroethene

Concen: 0.145 ug/L

RT: 3.37 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU041389.D

Acq: 23 Nov 2020 15:44

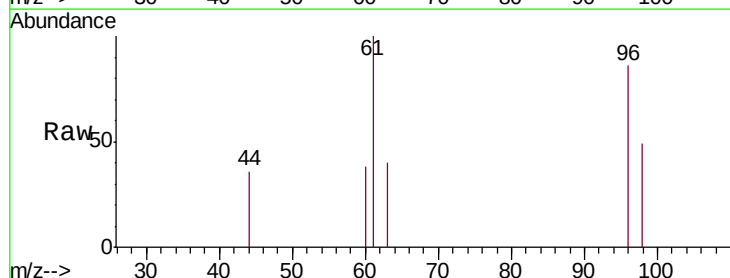
Tgt Ion: 96 Resp: 562

Ion Ratio Lower Upper

96 100

61 116.2 103.7 192.5

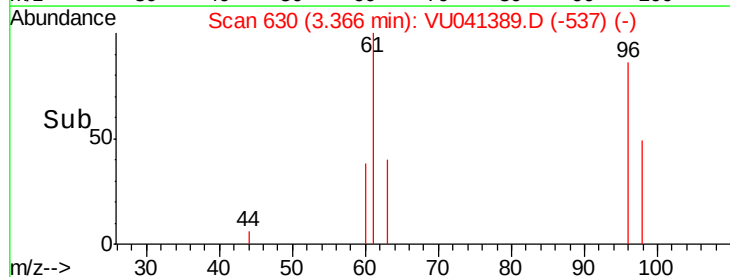
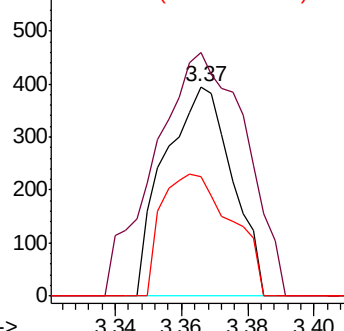
98 57.2 47.5 88.3

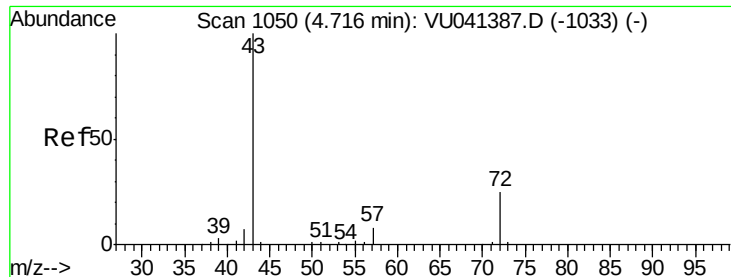


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#21

2-Butanone

Concen: 44.716 ug/L

RT: 4.82 min Scan# 1082

Delta R.T. 0.10 min

Lab File: VU041389.D

Acq: 23 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

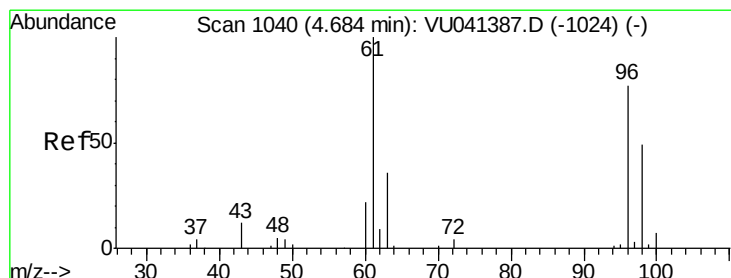
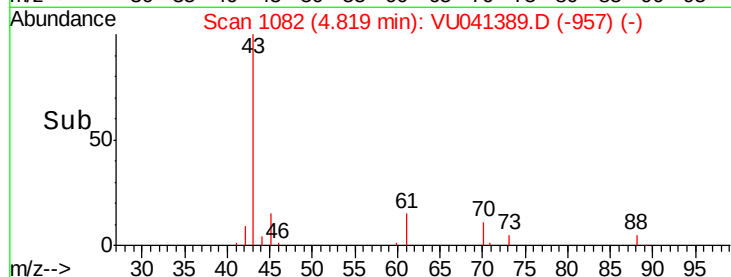
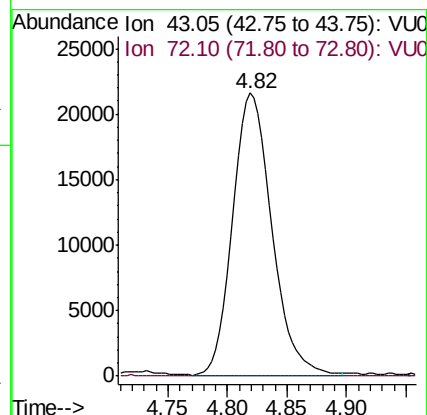
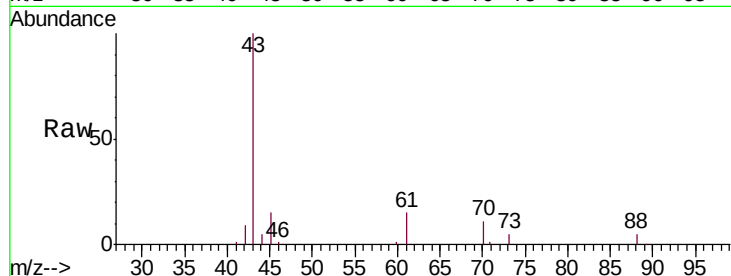
H4401

Tgt Ion: 43 Resp: 49718

Ion Ratio Lower Upper

43 100

72 0.0 12.6 37.6#



#22

cis-1,2-Dichloroethene

Concen: 3.539 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041389.D

Acq: 23 Nov 2020 15:44

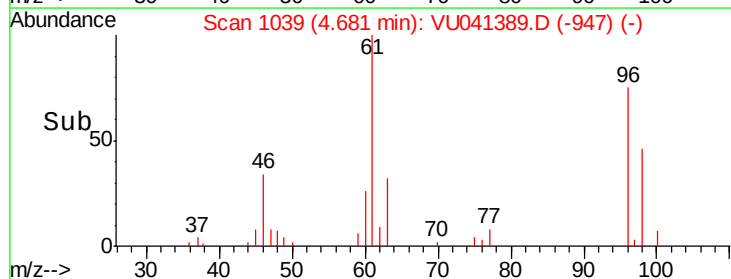
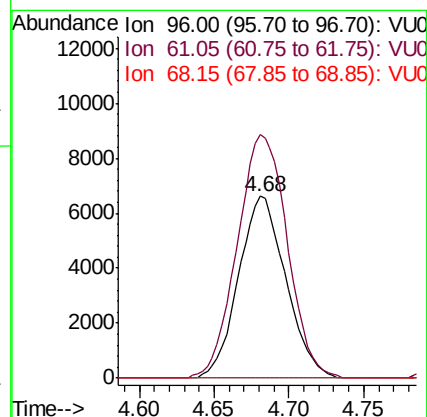
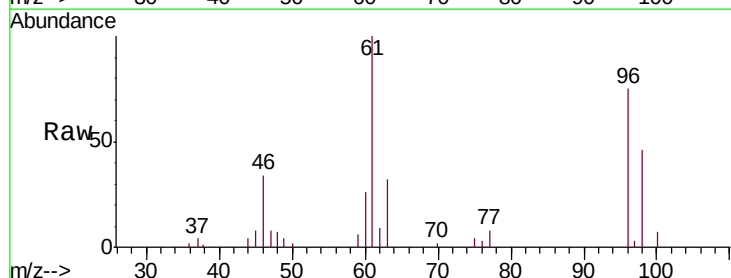
Tgt Ion: 96 Resp: 14540

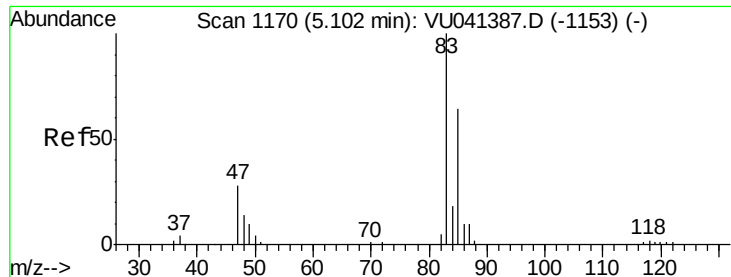
Ion Ratio Lower Upper

96 100

61 134.0 95.3 176.9

68 0.0 0.0 0.0

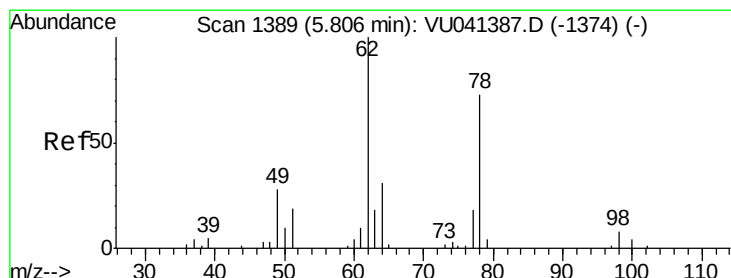
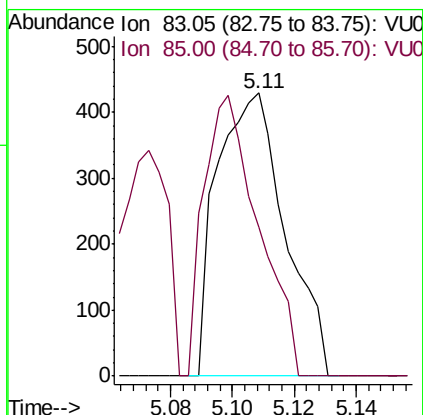
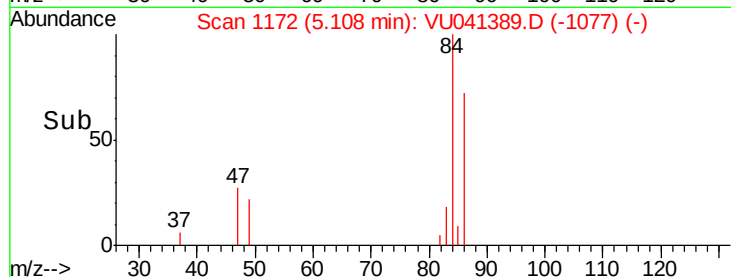
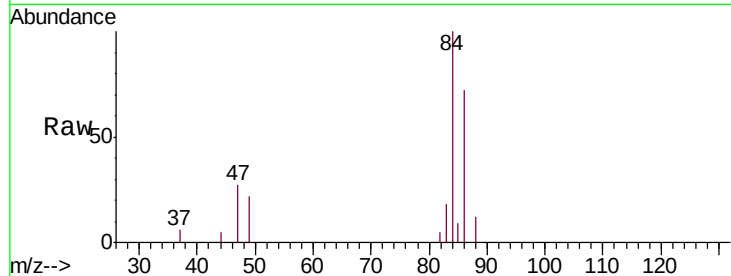




#25
Chloroform
Concen: 0.078 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU041389.D
Acq: 23 Nov 2020 15:44

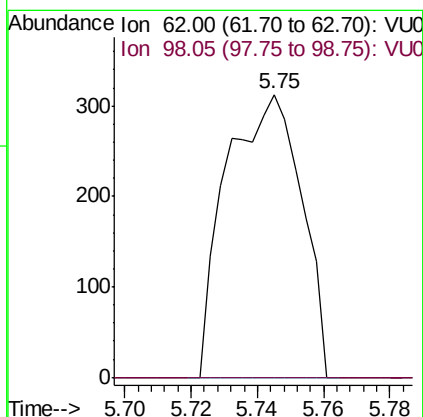
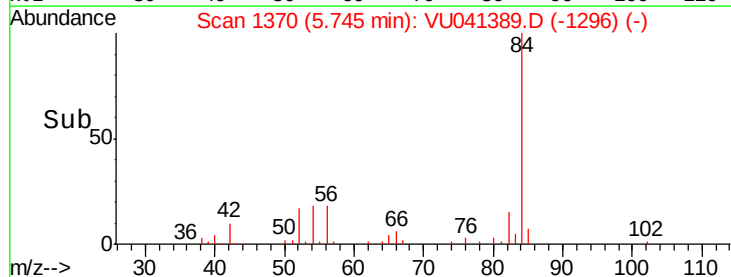
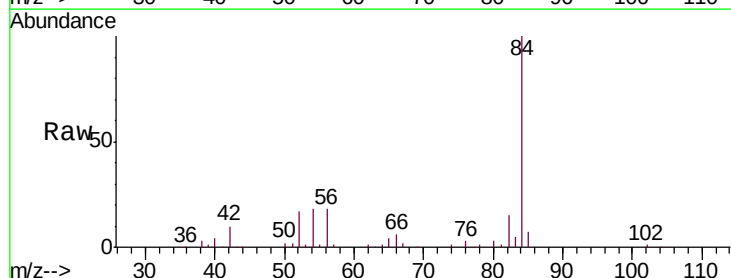
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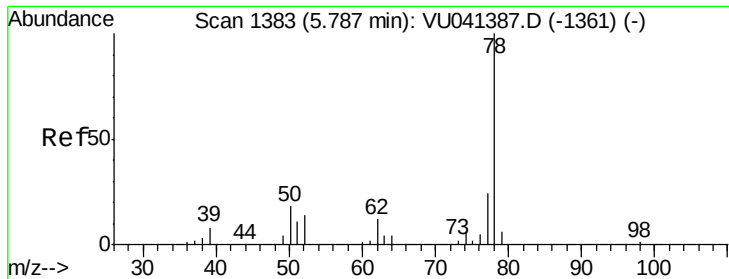
Tgt Ion: 83 Resp: 658
Ion Ratio Lower Upper
83 100
85 52.7 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.090 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041389.D
Acq: 23 Nov 2020 15:44

Tgt Ion: 62 Resp: 493
Ion Ratio Lower Upper
62 100
98 0.0 6.0 9.0#

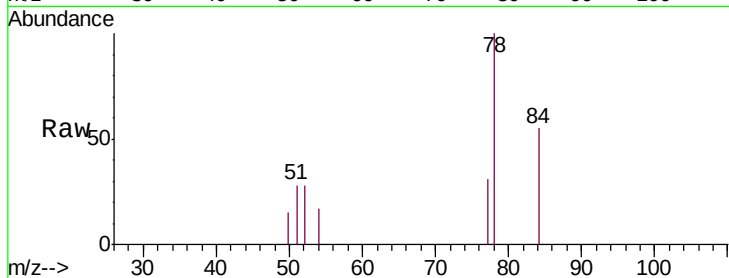




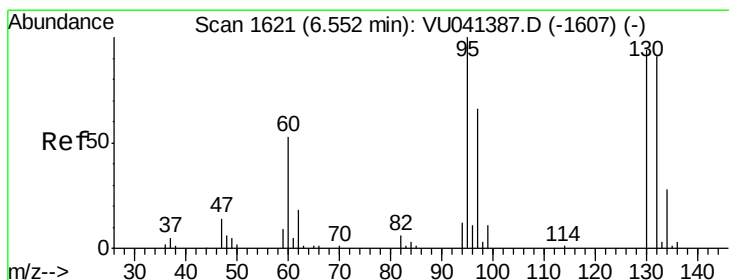
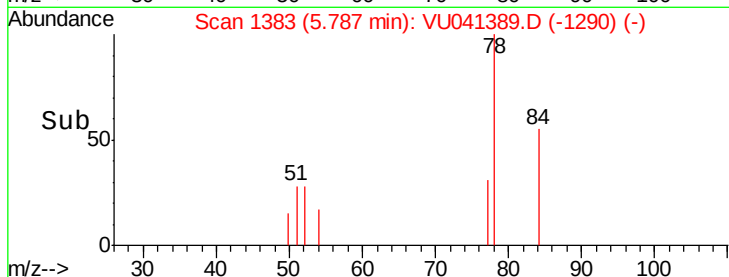
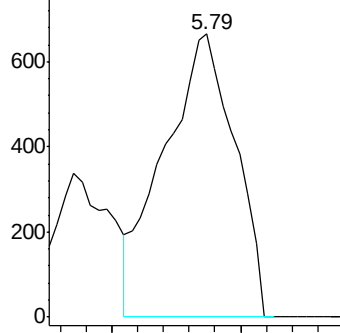
#33
Benzene
Concen: 0.088 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041389.D
Acq: 23 Nov 2020 15:44

Instrument :
MSVOA_U
ClientSampled :
H4401

Tgt Ion: 78 Resp: 1276



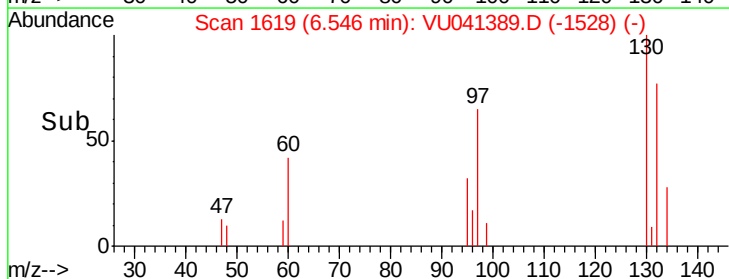
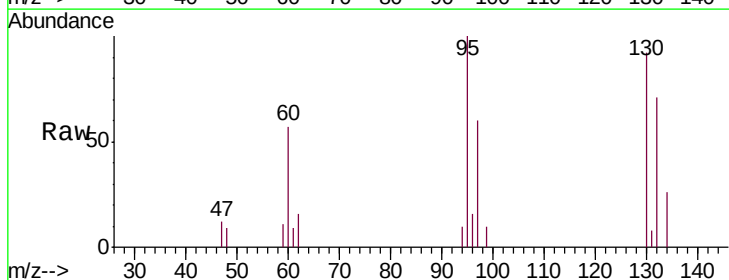
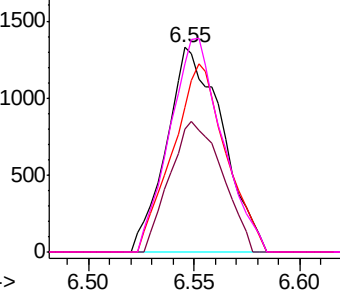
Abundance Ion 78.10 (77.80 to 78.80): VU0

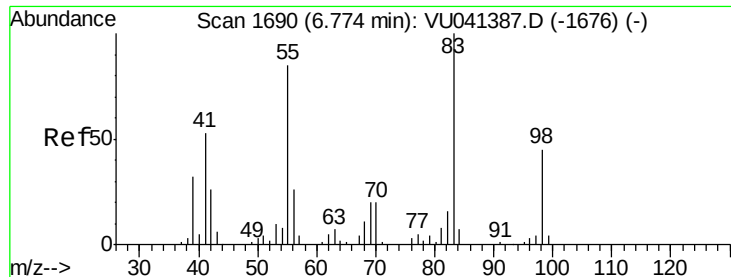


#34
Trichloroethene
Concen: 0.620 ug/L
RT: 6.55 min Scan# 1619
Delta R.T. -0.01 min
Lab File: VU041389.D
Acq: 23 Nov 2020 15:44

Tgt Ion: 95 Resp: 2454
Ion Ratio Lower Upper
95 100
97 60.1 46.5 86.5
132 70.8 60.8 113.0
130 92.2 63.3 117.7

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

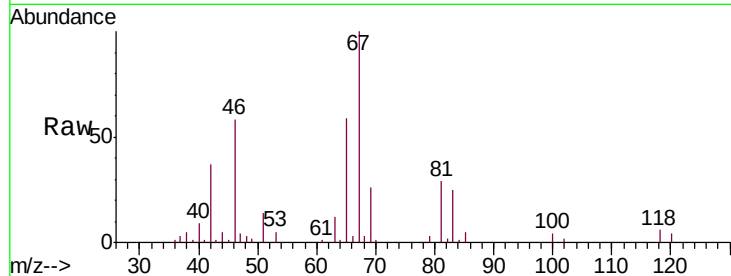




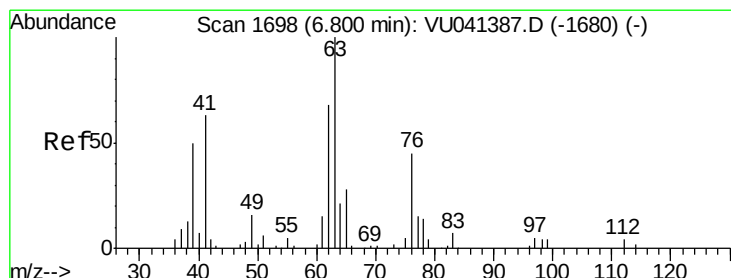
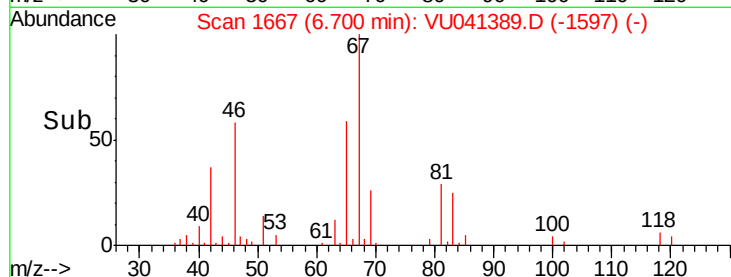
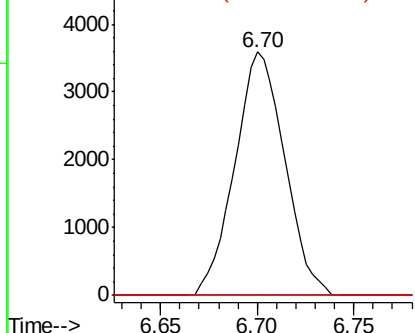
#35
Methylcyclohexane
Concen: 1.116 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041389.D
Acq: 23 Nov 2020 15:44

Instrument :
MSVOA_U
ClientSampleId :
H4401

Tgt Ion: 83 Resp: 6444
Ion Ratio Lower Upper
83 100
55 0.0 68.4 102.6#
98 1.5 36.5 54.7#

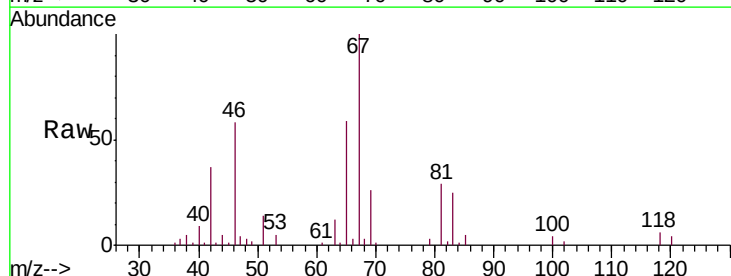


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

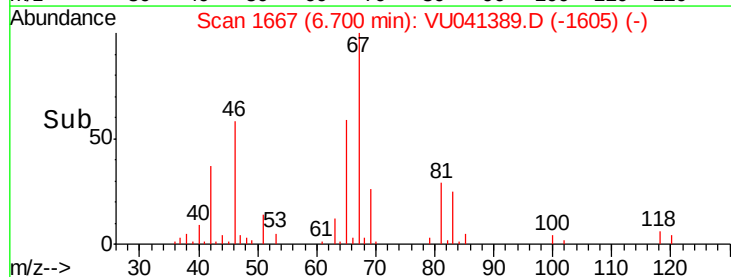
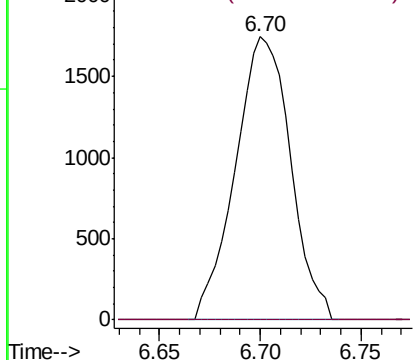


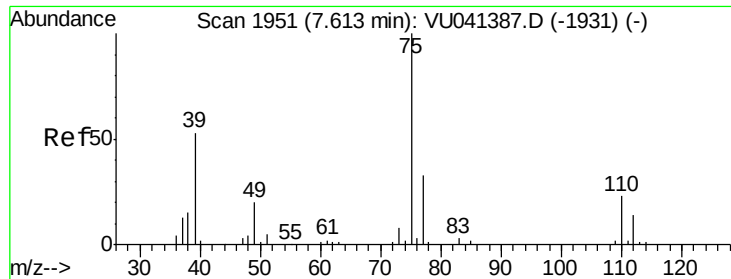
#37
1,2-Dichloropropane
Concen: 0.837 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041389.D
Acq: 23 Nov 2020 15:44

Tgt Ion: 63 Resp: 3338
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

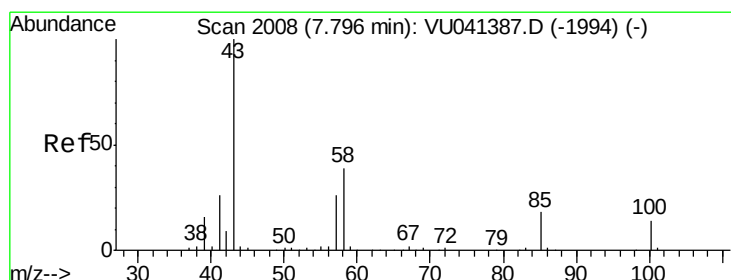
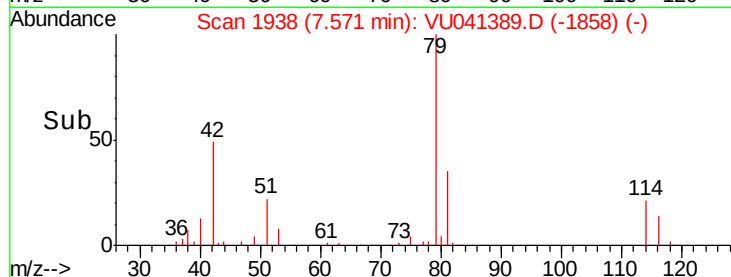
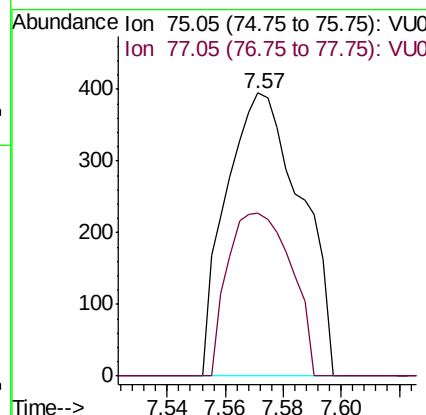
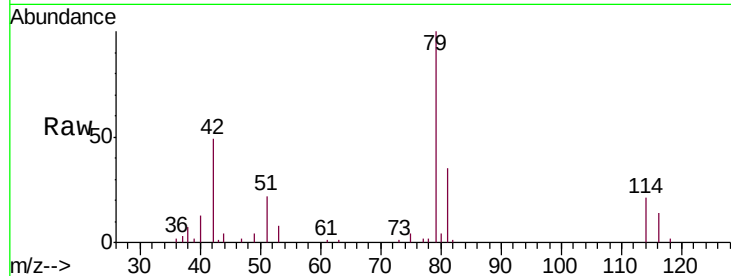




#39
 cis-1,3-Dichloropropene
 Concen: 0.129 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041389.D
 Acq: 23 Nov 2020 15:44

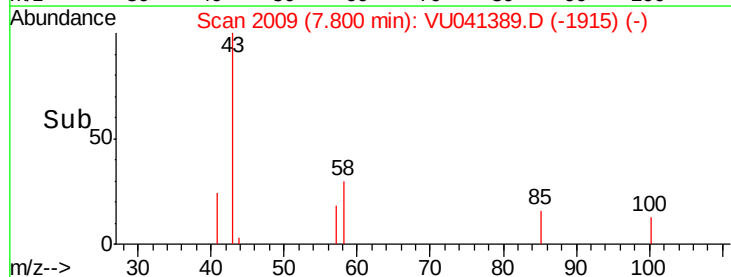
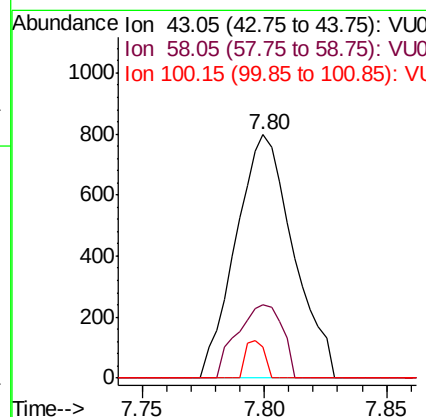
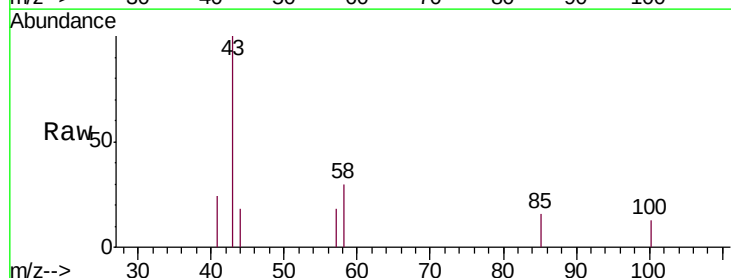
Instrument :
 MSVOA_U
 ClientSampleId :
 H4401

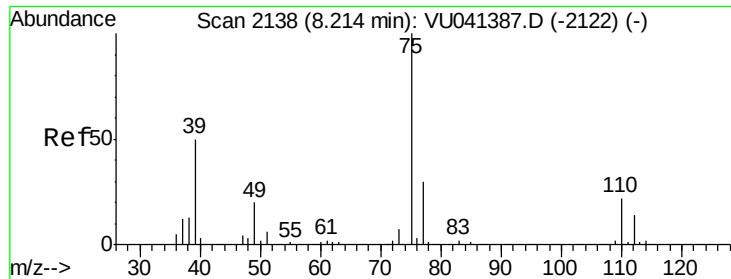
Tgt Ion: 75 Resp: 709
 Ion Ratio Lower Upper
 75 100
 77 57.7 22.1 41.1#



#40
 4-Methyl-2-pentanone
 Concen: 0.531 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041389.D
 Acq: 23 Nov 2020 15:44

Tgt Ion: 43 Resp: 1299
 Ion Ratio Lower Upper
 43 100
 58 23.6 29.8 44.8#
 100 0.0 10.9 16.3#

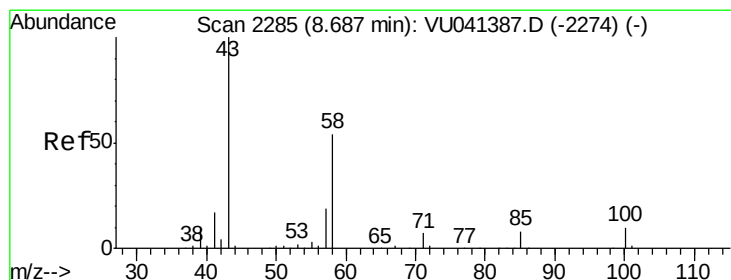
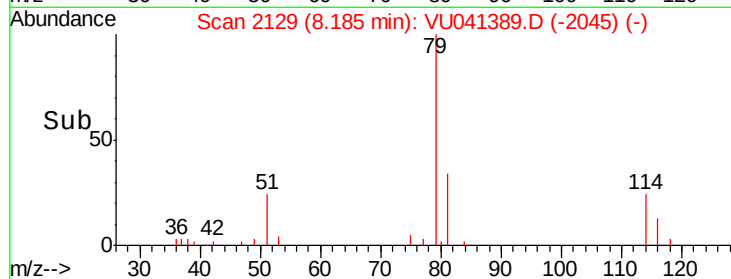
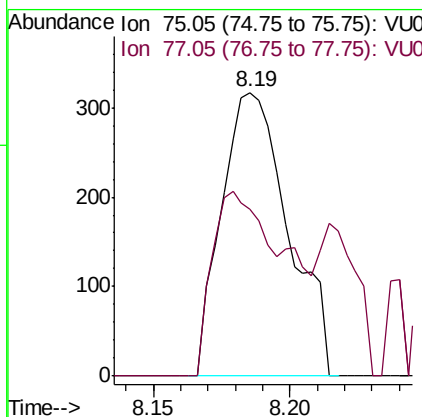
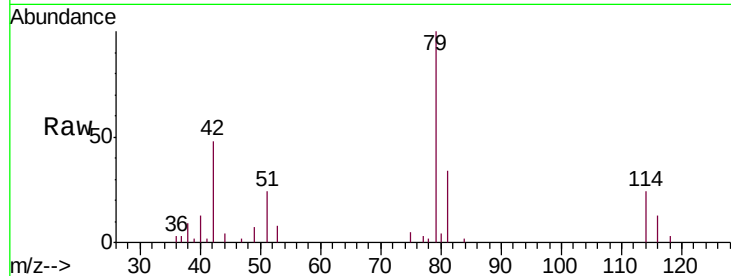




#44
trans-1,3-Dichloropropene
Concen: 0.107 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041389.D
Acq: 23 Nov 2020 15:44

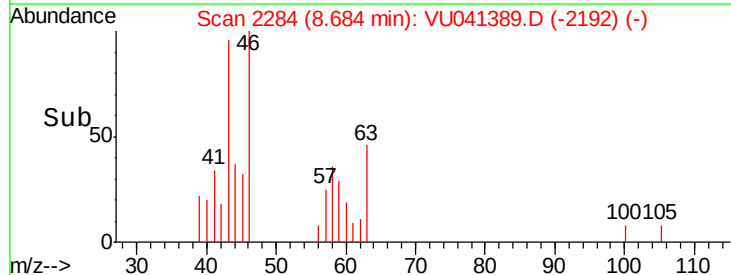
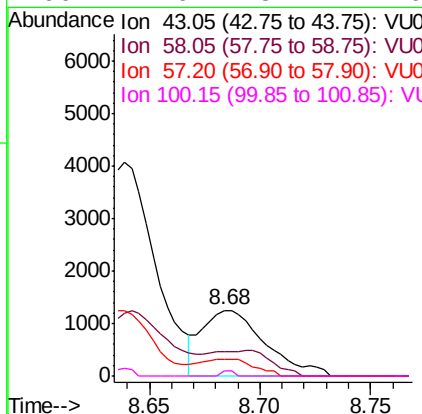
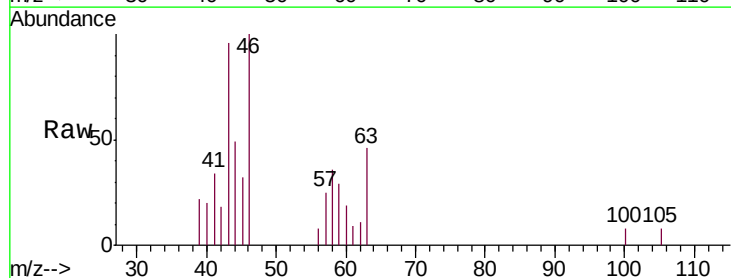
Instrument :
MSVOA_U
ClientSampleId :
H4401

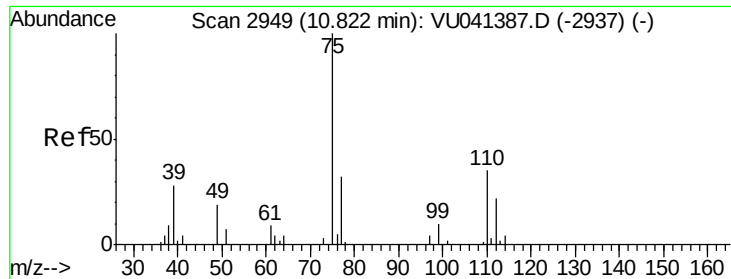
Tgt Ion: 75 Resp: 538
Ion Ratio Lower Upper
75 100
77 59.0 21.7 40.3#



#48
2-Hexanone
Concen: 1.385 ug/L
RT: 8.68 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VU041389.D
Acq: 23 Nov 2020 15:44

Tgt Ion: 43 Resp: 2487
Ion Ratio Lower Upper
43 100
58 36.5 42.0 63.0#
57 22.2 15.0 22.4
100 1.6 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 1.201 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041389.D

Acq: 23 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampleId :

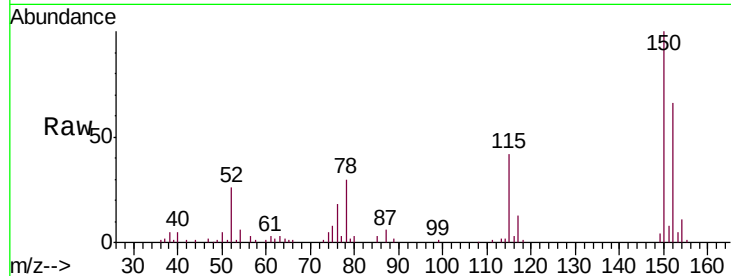
H4401

Tgt Ion: 75 Resp: 3130

Ion Ratio Lower Upper

75 100

77 41.2 25.1 37.7#



Abundance Ion 75.00 (74.70 to 75.70): VU041389.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041389.D (-2937) (-)

11.81

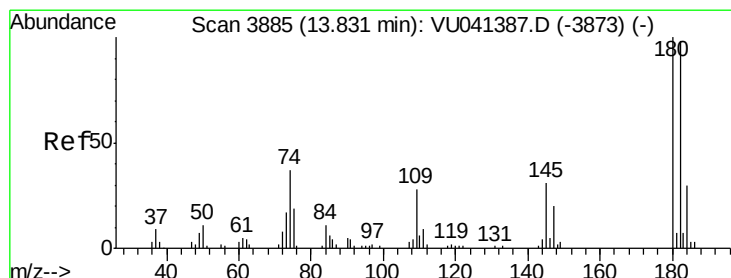
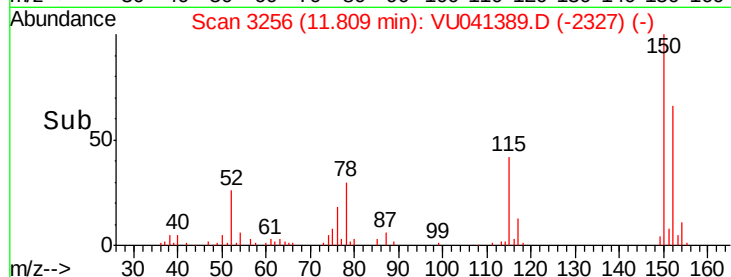
1500

1000

500

0

Time--> 11.75 11.80 11.85



#68

1,2,4-trichlorobenzene

Concen: 0.111 ug/L

RT: 13.83 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VU041389.D

Acq: 23 Nov 2020 15:44

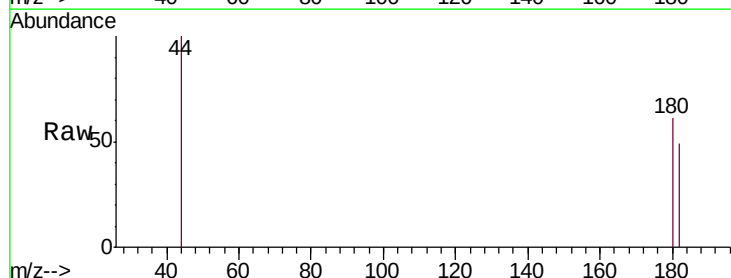
Tgt Ion: 180 Resp: 438

Ion Ratio Lower Upper

180 100

182 80.4 76.0 114.0

145 10.0 25.7 38.5#



Abundance Ion 179.90 (179.60 to 180.60): VU041389.D (-3873) (-)

Ion 182.00 (181.70 to 182.70): VU041389.D (-3873) (-)

Ion 144.95 (144.65 to 145.65): VU041389.D (-3873) (-)

13.83

400

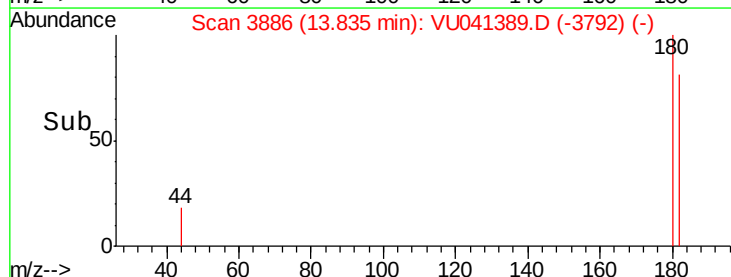
300

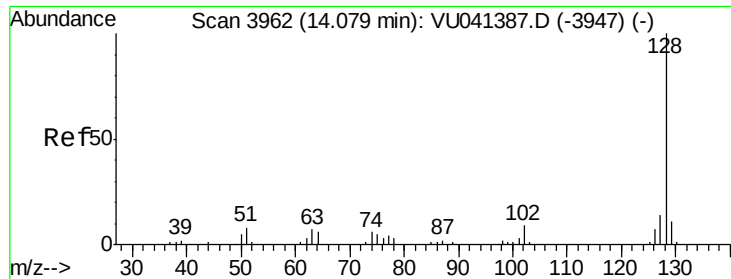
200

100

0

Time--> 13.80 13.85





#69

Naphthalene

Concen: 0.138 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041389.D

Acq: 23 Nov 2020 15:44

Instrument :

MSVOA_U

ClientSampled :

H4401

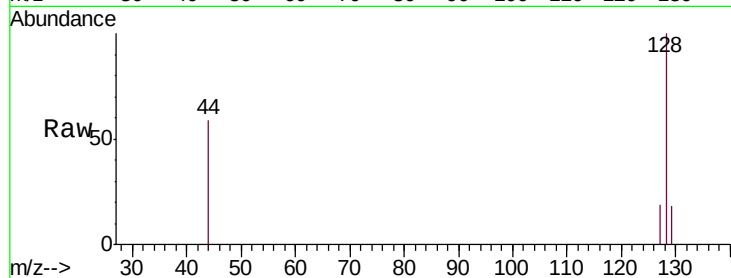
Tgt Ion:128 Resp: 861

Ion Ratio Lower Upper

128 100

129 4.9 8.3 12.5#

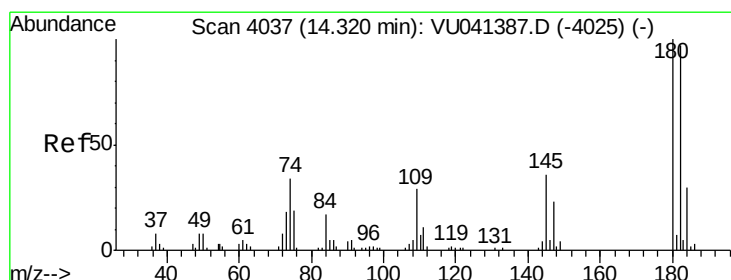
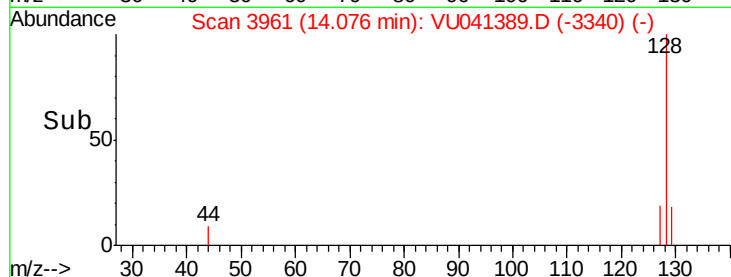
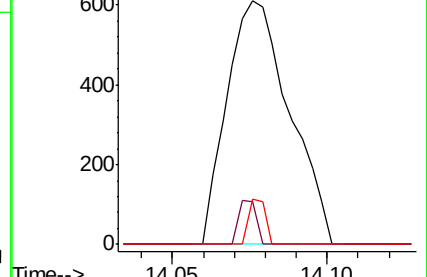
127 4.9 10.7 16.1#



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: 0.121 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041389.D

Acq: 23 Nov 2020 15:44

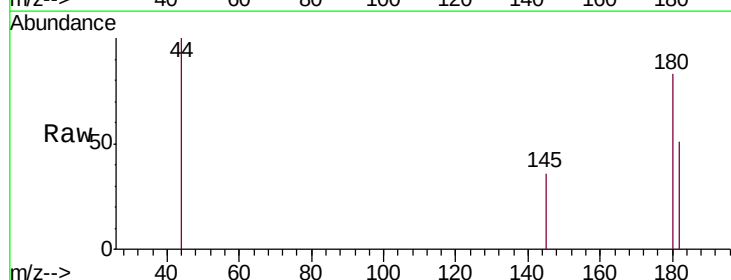
Tgt Ion:180 Resp: 438

Ion Ratio Lower Upper

180 100

182 74.9 75.9 113.9#

145 17.1 27.7 41.5#



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

