

Data File : VU041393.D
Acq On : 23 Nov 2020 17:27
Operator : SY/MD
Sample : L4849-01DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4392DL

Quant Time: Nov 24 01:54:50 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	72483	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	74076	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31206	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22922	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.92	69	17632	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.57	63	38218	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.64	46	64372	49.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.20%
24) Chloroform-d	5.08	84	48678	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	30612	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.74	84	90294	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.70	67	30052	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.91	98	75026	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.19	79	11649	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.64	63	39021	45.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22941	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	27149	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.61	62	5062	0.799 ug/L #	74
8) Chloroethane	1.93	64	185	0.052 ug/L #	40
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	290	0.057 ug/L #	21
12) 1,1-Dichloroethene	2.57	96	284	0.064 ug/L #	1
16) Methylene chloride	3.06	84	5198	0.815 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	4921	0.443 ug/L	96
18) trans-1,2-Dichloroethene	3.37	96	2001	0.413 ug/L	95
19) 1,1-Dichloroethane	3.89	63	824	0.086 ug/L #	49
22) cis-1,2-Dichloroethene	4.68	96	55035	10.692 ug/L	97
25) Chloroform	5.10	83	2844	0.269 ug/L	94
27) 1,2-Dichloroethane	5.75	62	552	0.080 ug/L #	78
34) Trichloroethene	6.55	95	8689	1.606 ug/L	94
35) Methylcyclohexane	6.70	83	6927	0.878 ug/L #	17
37) 1,2-Dichloropropane	6.70	63	3438	0.631 ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	938	0.125 ug/L #	74
44) trans-1,3-Dichloropropene	8.18	75	551	0.080 ug/L #	71
48) 2-Hexanone	8.68	43	2065	0.842 ug/L #	80

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

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QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

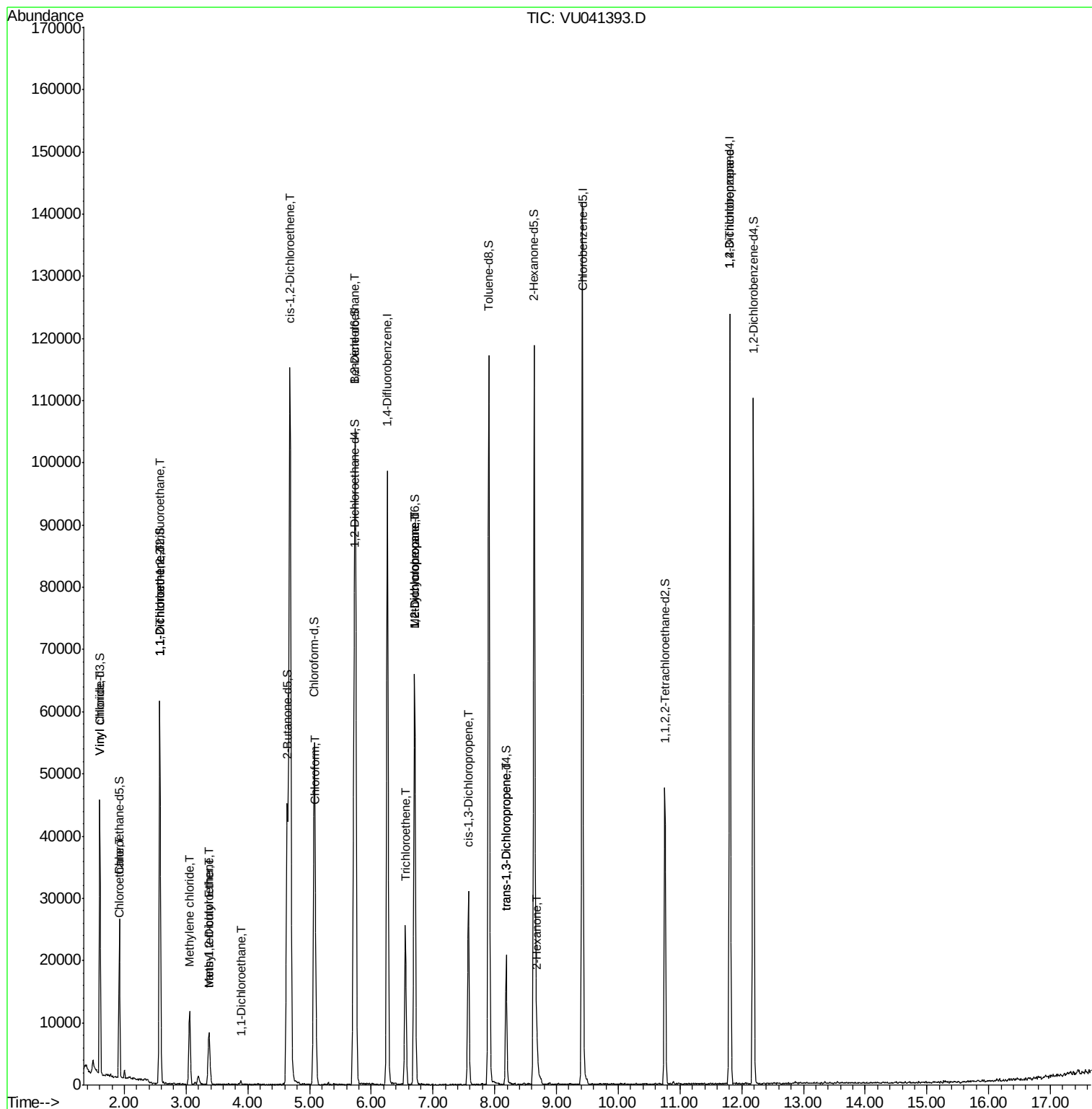
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	4149	1.165	ug/L #	88

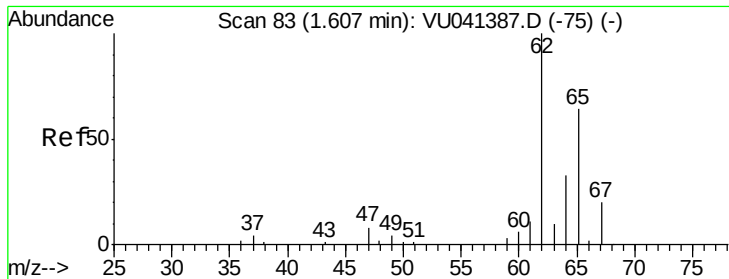
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.799 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041393.D

Acq: 23 Nov 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

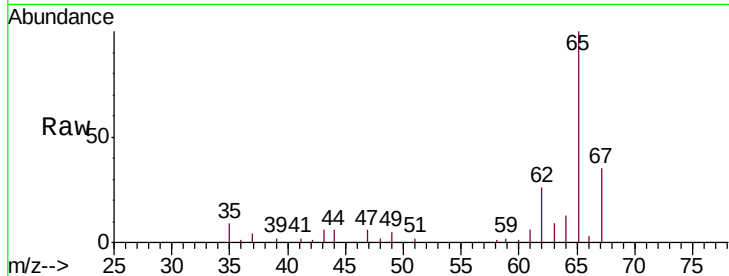
H4392DL

Tgt Ion: 62 Resp: 5062

Ion Ratio Lower Upper

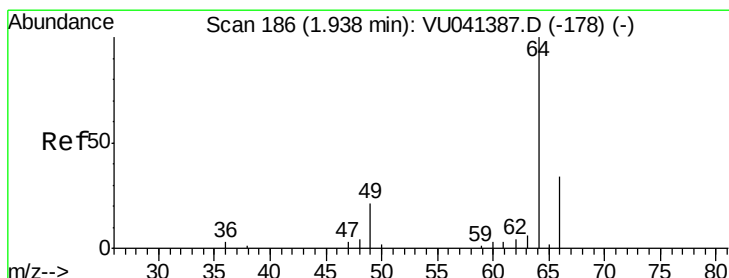
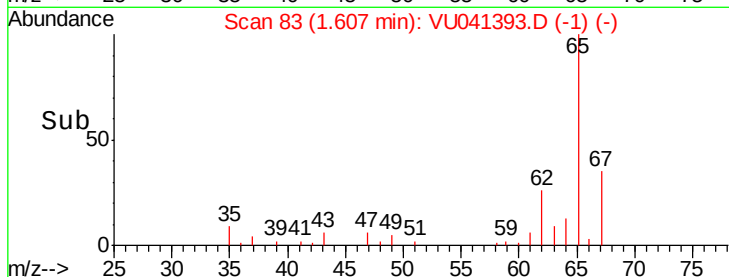
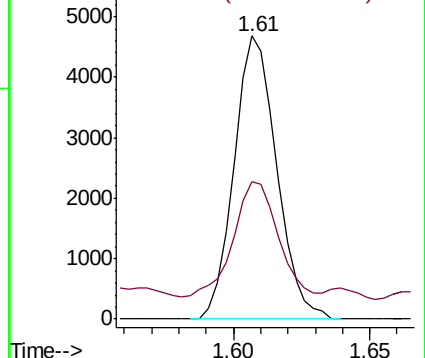
62 100

64 48.7 23.8 44.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.052 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU041393.D

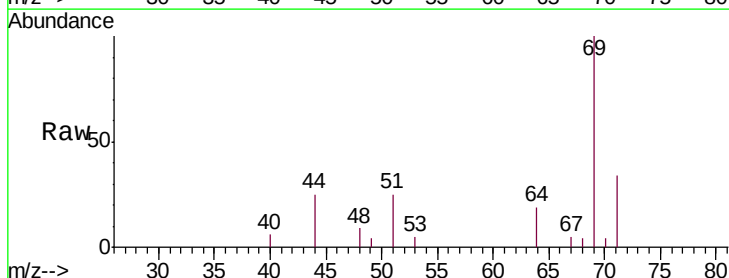
Acq: 23 Nov 2020 17:27

Tgt Ion: 64 Resp: 185

Ion Ratio Lower Upper

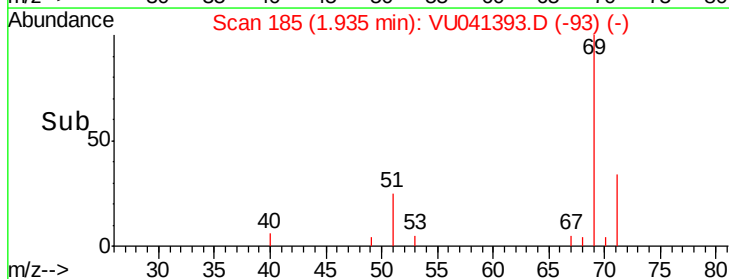
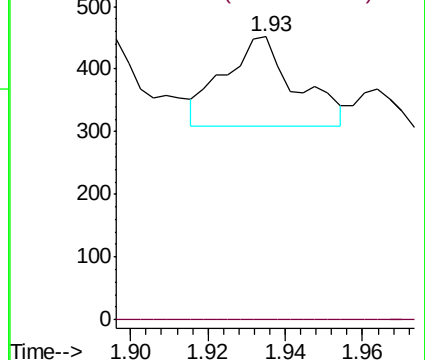
64 100

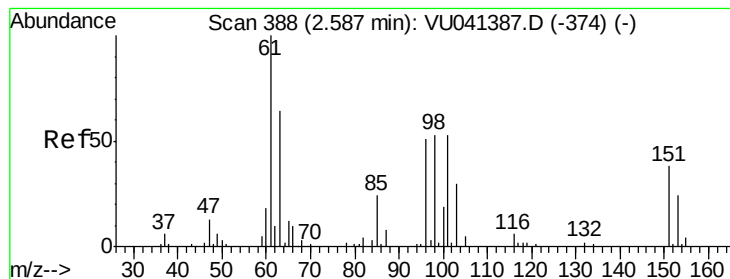
66 0.0 24.6 45.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.057 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041393.D

Acq: 23 Nov 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

H4392DL

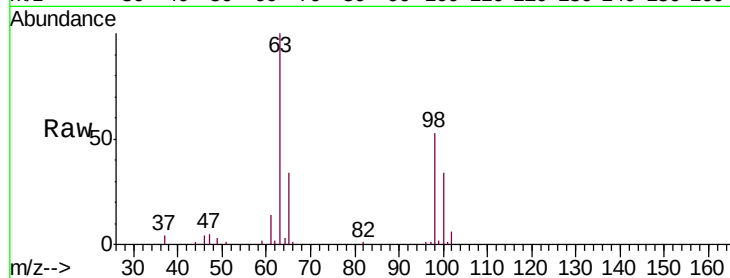
Tgt Ion: 101 Resp: 290

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 56.2 84.2#



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

250

200

150

100

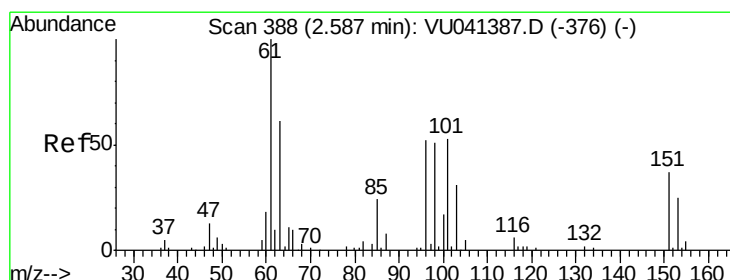
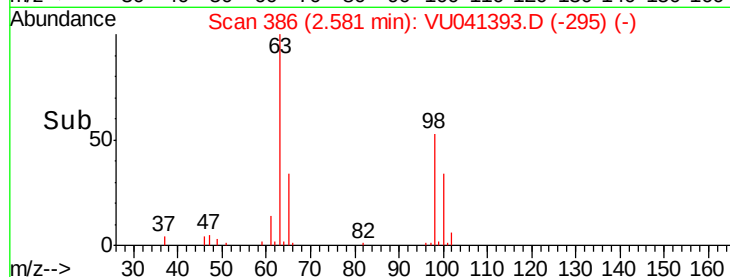
50

0

2.54 2.56 2.58 2.60

2.58

Time-->



#12

1,1-Dichloroethene

Concen: 0.064 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU041393.D

Acq: 23 Nov 2020 17:27

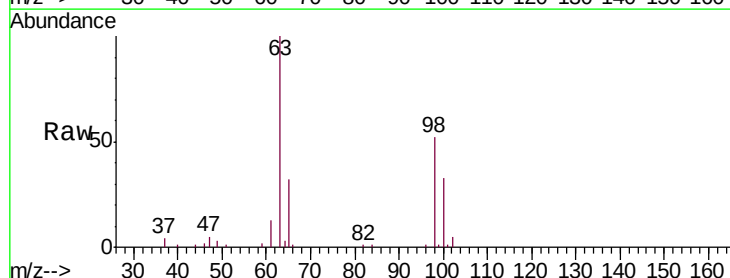
Tgt Ion: 96 Resp: 284

Ion Ratio Lower Upper

96 100

61 1218.3 129.8 241.2#

63 9196.7 79.2 147.0#



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

30000

25000

20000

15000

10000

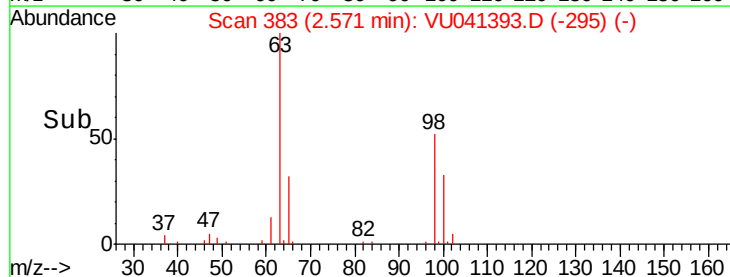
5000

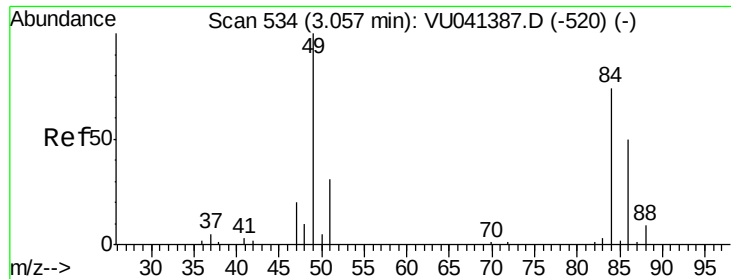
0

2.54 2.56 2.58 2.60

2.57

Time-->

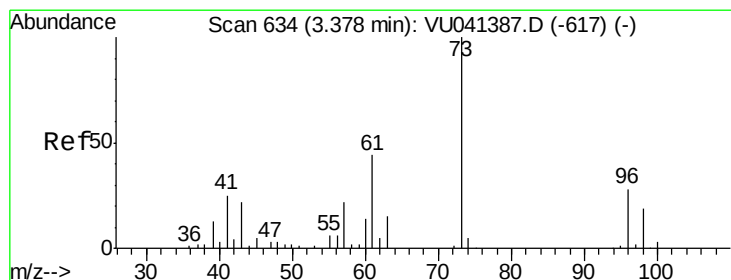
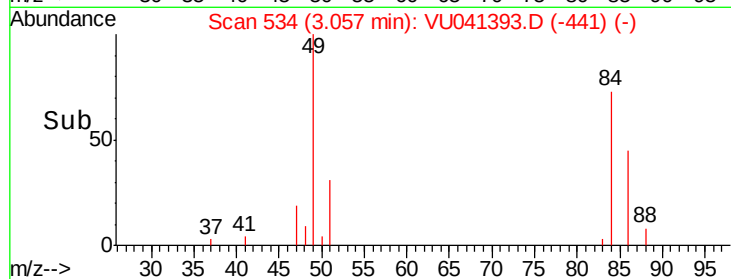
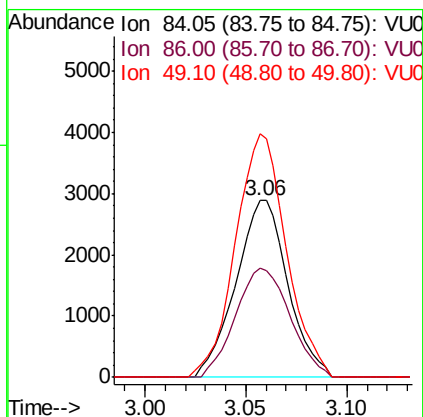
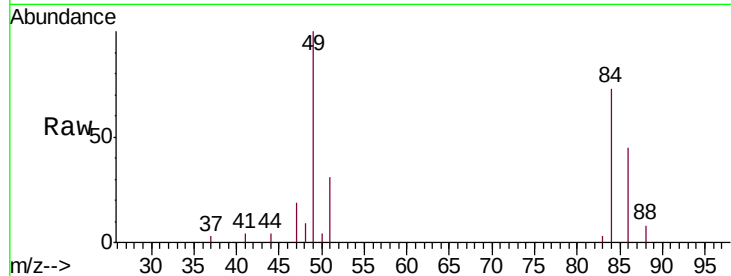




#16
Methylene chloride
Concen: 0.815 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.00 min
Lab File: VU041393.D
Acq: 23 Nov 2020 17:27

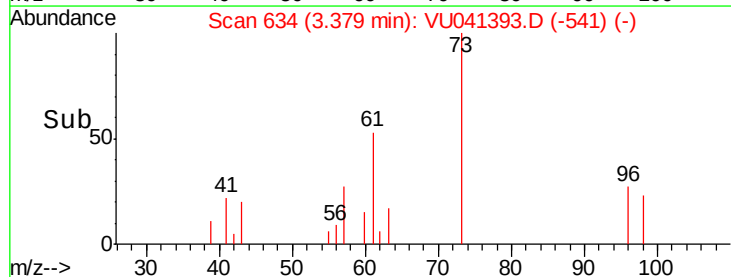
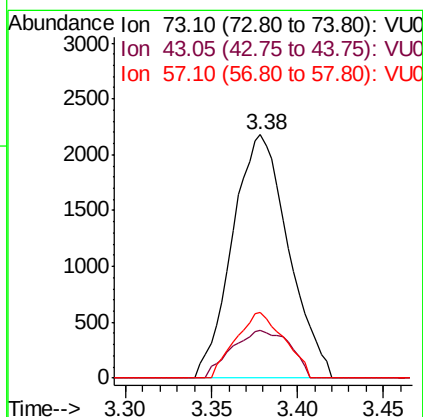
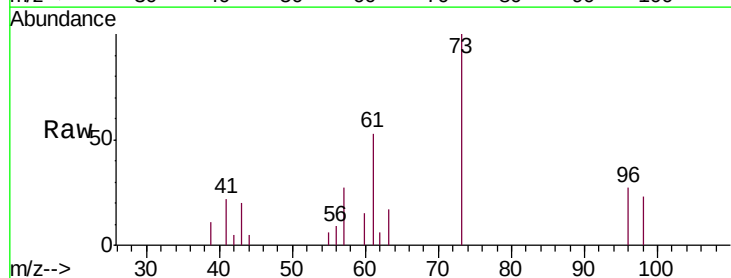
Instrument :
MSVOA_U
ClientSampleId :
H4392DL

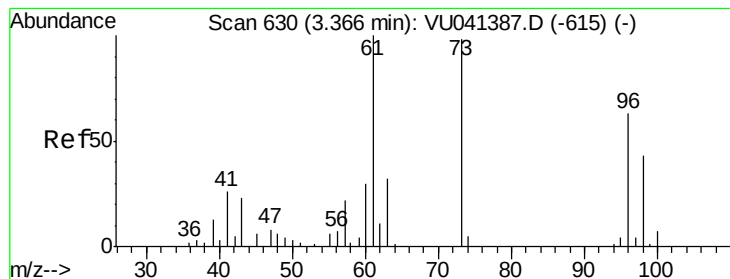
Tgt Ion: 84 Resp: 5198
Ion Ratio Lower Upper
84 100
86 61.6 44.4 82.5
49 137.6 89.9 167.0



#17
Methyl tert-butyl Ether
Concen: 0.443 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041393.D
Acq: 23 Nov 2020 17:27

Tgt Ion: 73 Resp: 4921
Ion Ratio Lower Upper
73 100
43 20.3 18.3 27.5
57 23.5 17.7 26.5





#18

trans-1,2-Dichloroethene

Concen: 0.413 ug/L

RT: 3.37 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU041393.D

Acq: 23 Nov 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

H4392DL

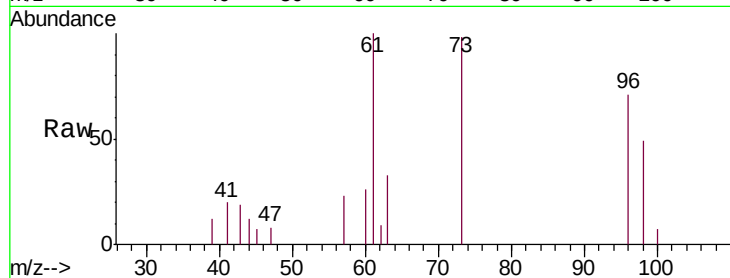
Tgt Ion: 96 Resp: 2001

Ion Ratio Lower Upper

96 100

61 140.1 103.7 192.5

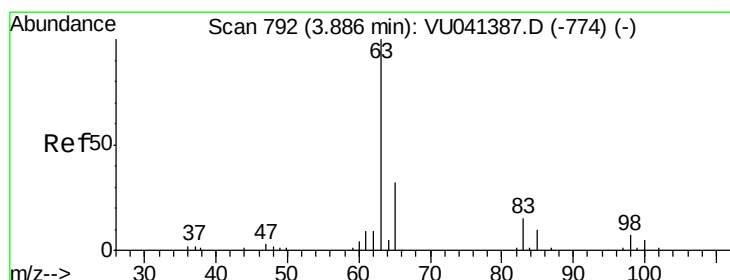
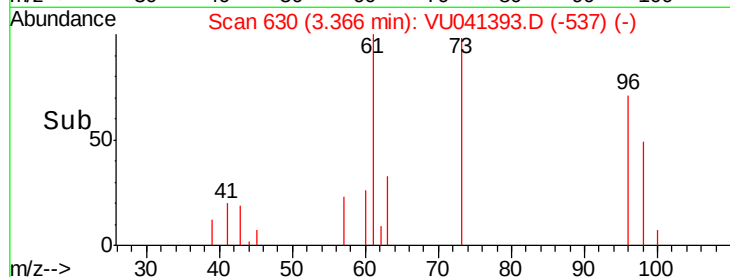
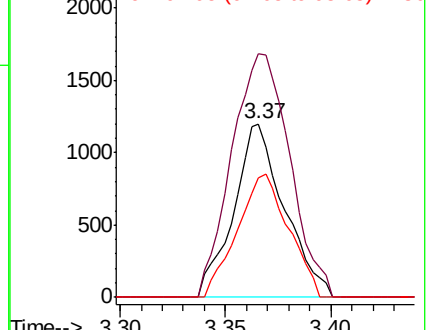
98 68.6 47.5 88.3



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



#19

1,1-Dichloroethane

Concen: 0.086 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.01 min

Lab File: VU041393.D

Acq: 23 Nov 2020 17:27

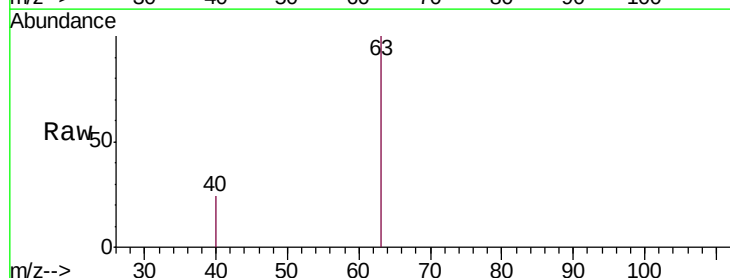
Tgt Ion: 63 Resp: 824

Ion Ratio Lower Upper

63 100

65 0.0 23.0 42.8#

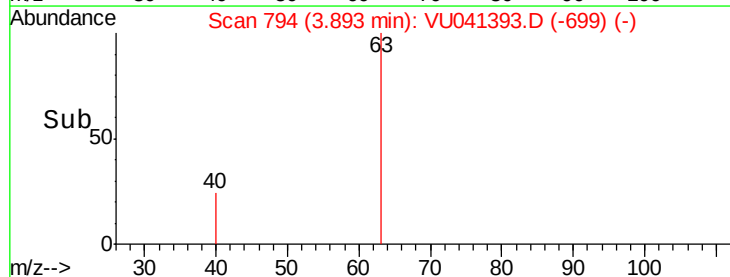
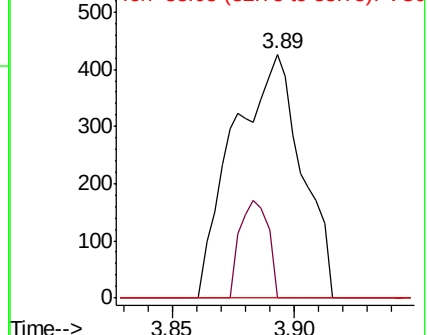
83 0.0 9.4 17.4#

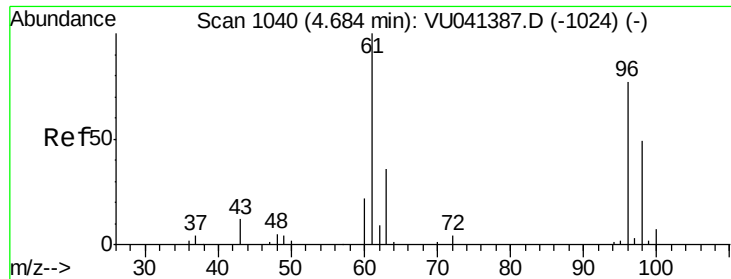


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0

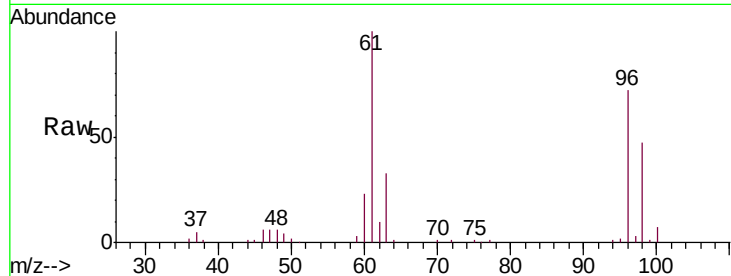




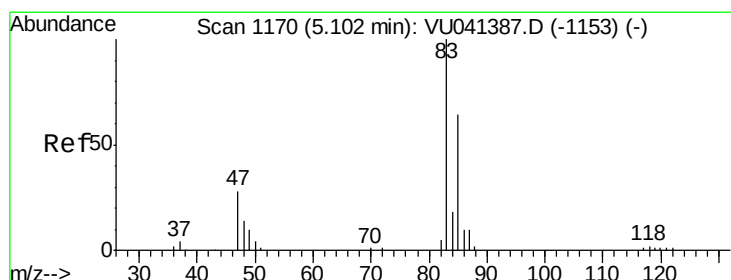
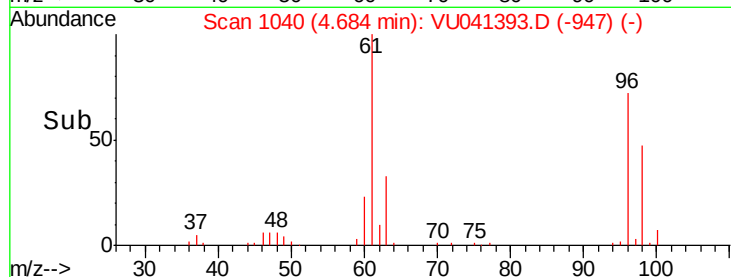
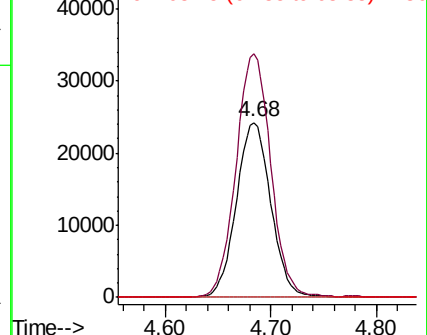
#22
 cis-1,2-Dichloroethene
 Concen: 10.692 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041393.D
 Acq: 23 Nov 2020 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 H4392DL

Tgt Ion: 96 Resp: 55035
 Ion Ratio Lower Upper
 96 100
 61 139.1 95.3 176.9
 68 0.0 0.0 0.0

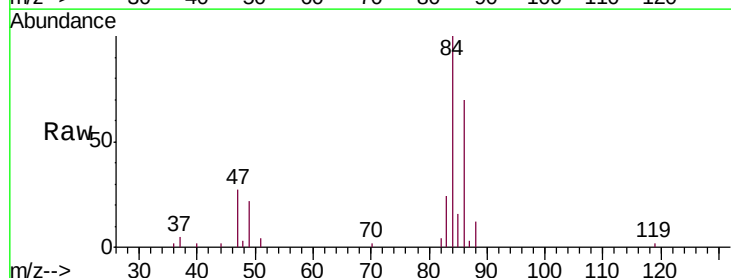


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

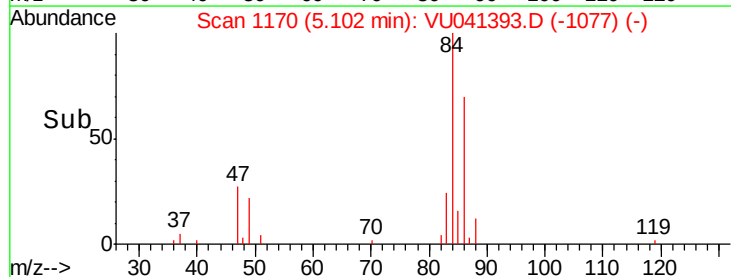
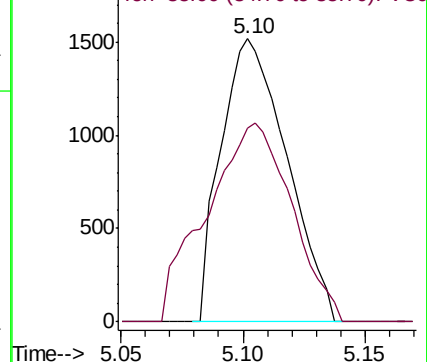


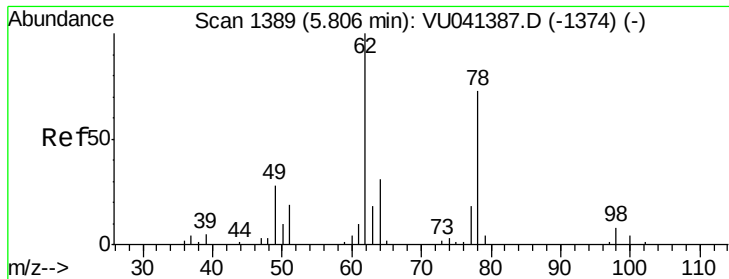
#25
 Chloroform
 Concen: 0.269 ug/L
 RT: 5.10 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VU041393.D
 Acq: 23 Nov 2020 17:27

Tgt Ion: 83 Resp: 2844
 Ion Ratio Lower Upper
 83 100
 85 68.2 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.080 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU041393.D

Acq: 23 Nov 2020 17:27

Instrument :

MSVOA_U

ClientSampleId :

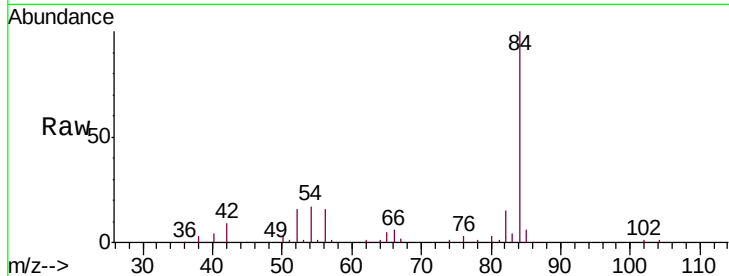
H4392DL

Tgt Ion: 62 Resp: 552

Ion Ratio Lower Upper

62 100

98 0.0 6.0 9.0#



Abundance Ion 62.00 (61.70 to 62.70): VU041387.D (-1374) (-)

Ion 98.05 (97.75 to 98.75): VU041387.D (-1374) (-)

5.75

300

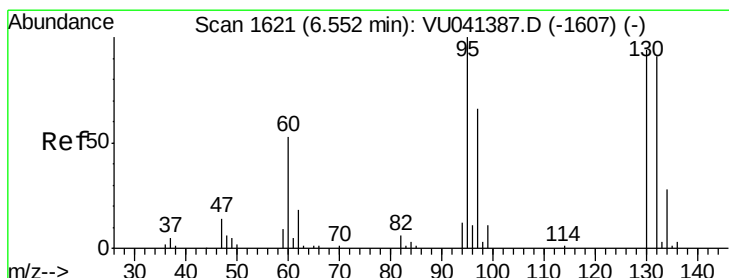
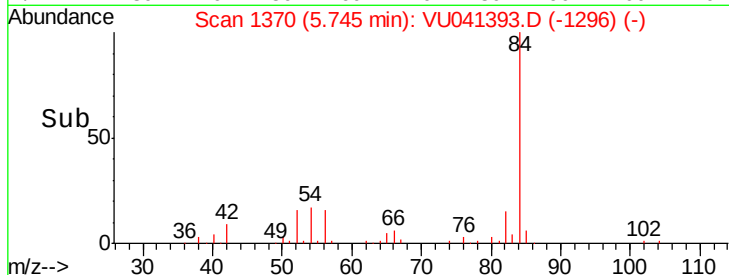
200

100

0

5.70 5.72 5.74 5.76 5.78

Time-->



#34

Trichloroethene

Concen: 1.606 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041393.D

Acq: 23 Nov 2020 17:27

Tgt Ion: 95 Resp: 8689

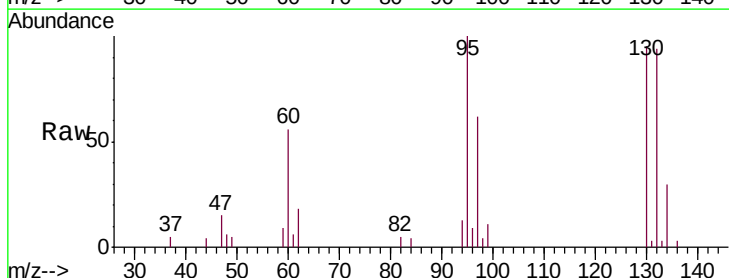
Ion Ratio Lower Upper

95 100

97 61.8 46.5 86.5

132 93.8 60.8 113.0

130 95.2 63.3 117.7



Abundance Ion 95.00 (94.70 to 95.70): VU041387.D (-1607) (-)

Ion 96.95 (96.65 to 97.65): VU041387.D (-1607) (-)

Ion 131.95 (131.65 to 132.65): VU041387.D (-1607) (-)

Ion 129.95 (129.65 to 130.65): VU041387.D (-1607) (-)

6000

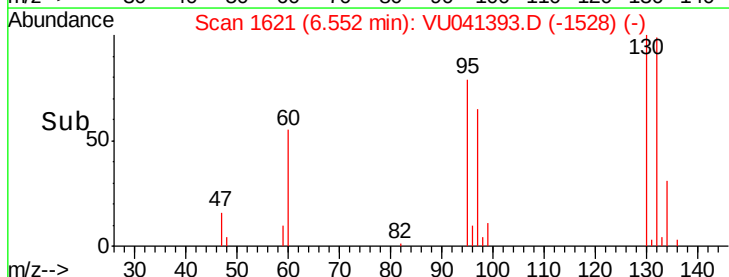
4000

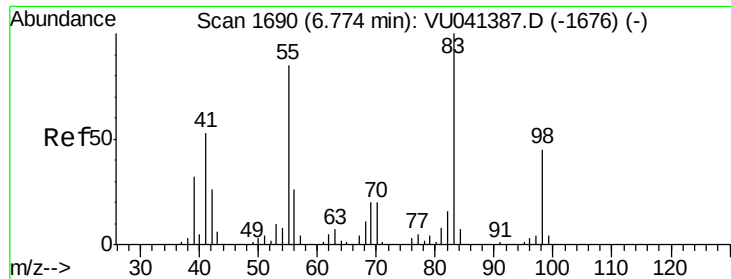
2000

0

6.50 6.55 6.60

Time-->

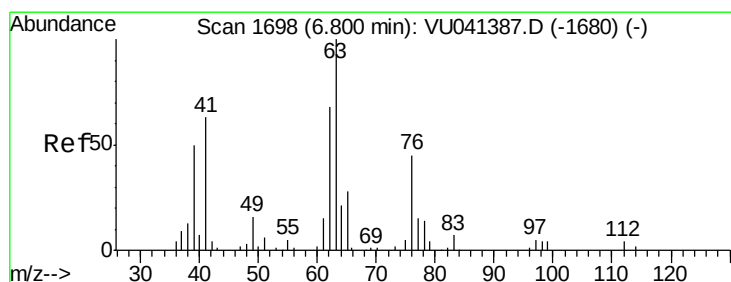
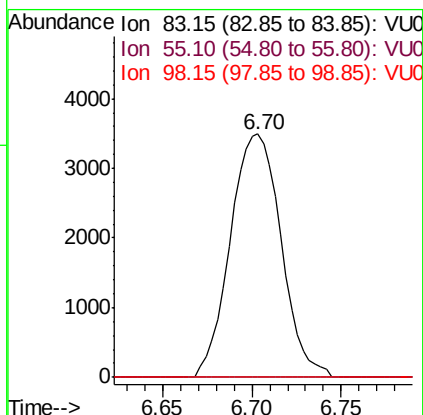
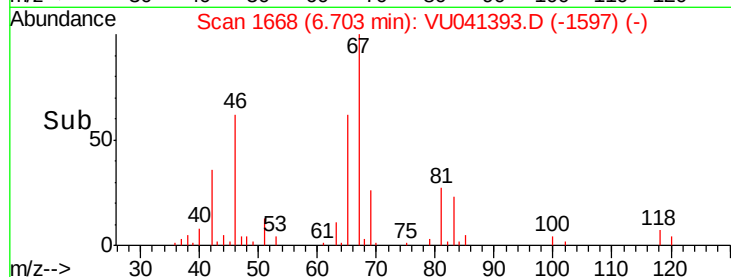
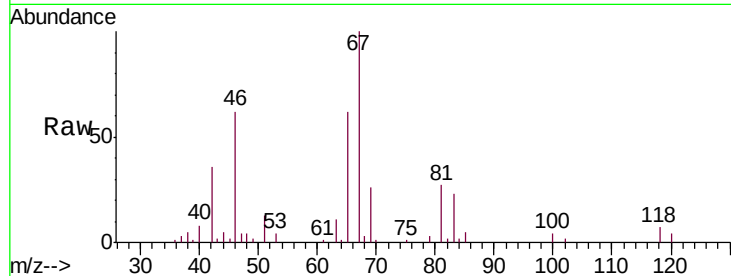




#35
Methylcyclohexane
Concen: 0.878 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041393.D
Acq: 23 Nov 2020 17:27

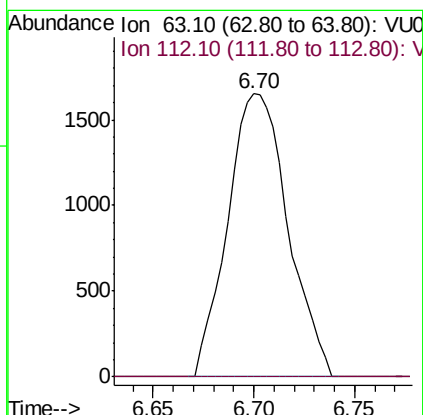
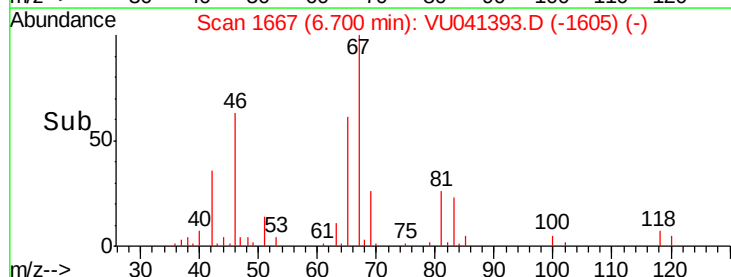
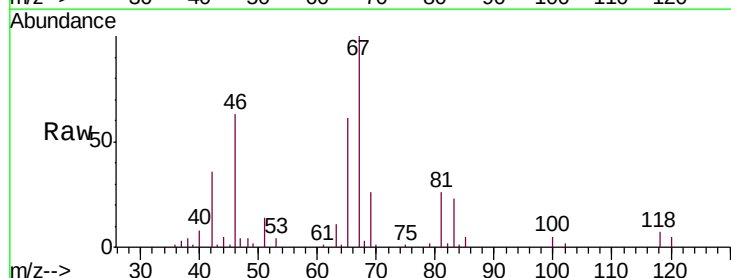
Instrument :
MSVOA_U
ClientSampleId :
H4392DL

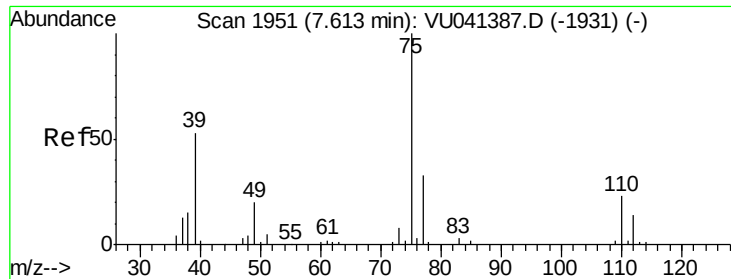
Tgt Ion: 83 Resp: 6927
Ion Ratio Lower Upper
83 100
55 0.0 68.4 102.6#
98 2.9 36.5 54.7#



#37
1,2-Dichloropropane
Concen: 0.631 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041393.D
Acq: 23 Nov 2020 17:27

Tgt Ion: 63 Resp: 3438
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#

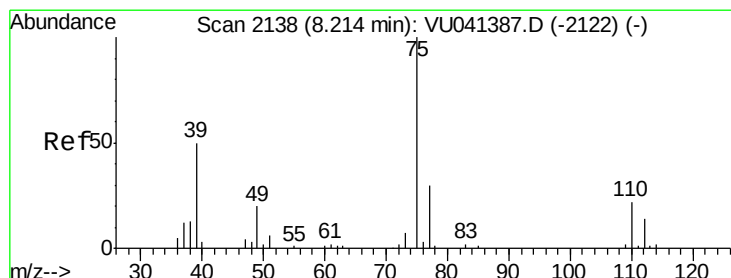
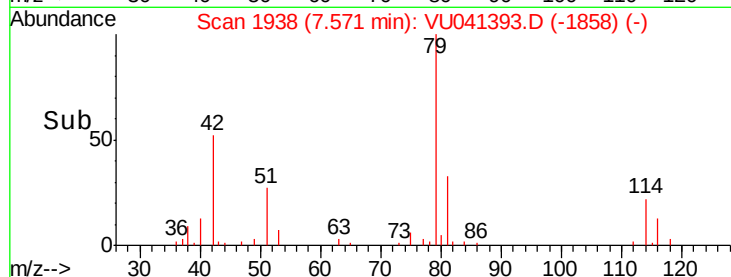
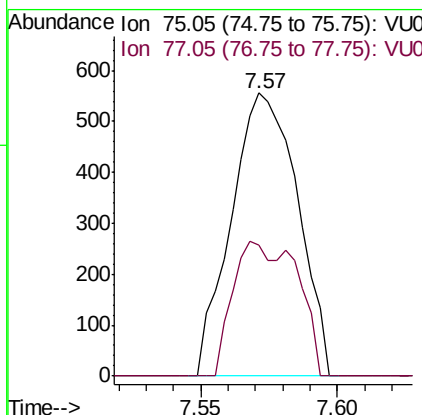
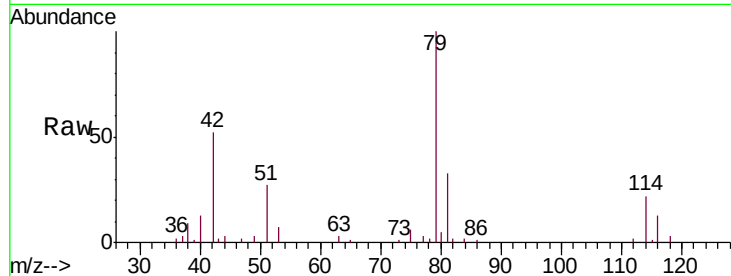




#39
 cis-1,3-Dichloropropene
 Concen: 0.125 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041393.D
 Acq: 23 Nov 2020 17:27

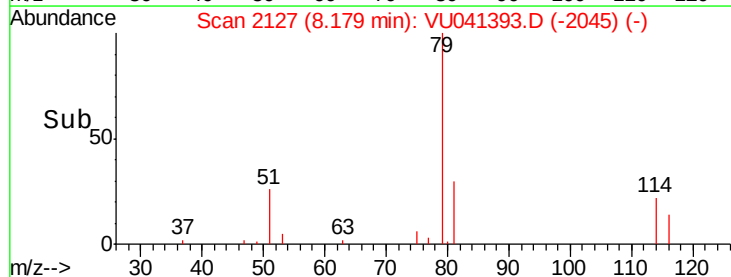
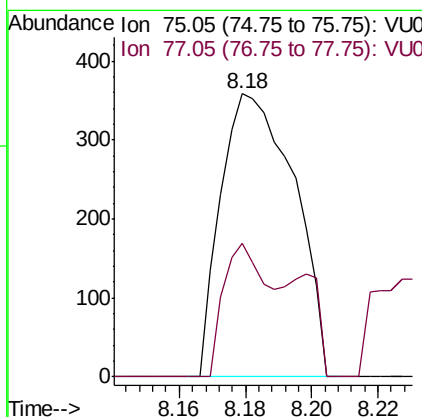
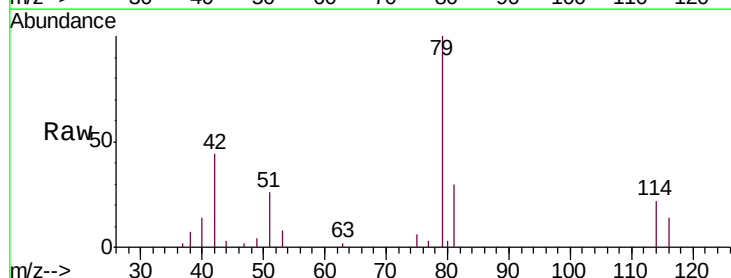
Instrument :
 MSVOA_U
 ClientSampleId :
 H4392DL

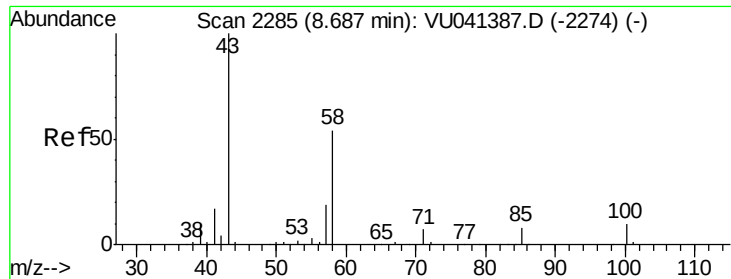
Tgt Ion: 75 Resp: 938
 Ion Ratio Lower Upper
 75 100
 77 46.0 22.1 41.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 8.18 min Scan# 2127
 Delta R.T. -0.04 min
 Lab File: VU041393.D
 Acq: 23 Nov 2020 17:27

Tgt Ion: 75 Resp: 551
 Ion Ratio Lower Upper
 75 100
 77 47.2 21.7 40.3#

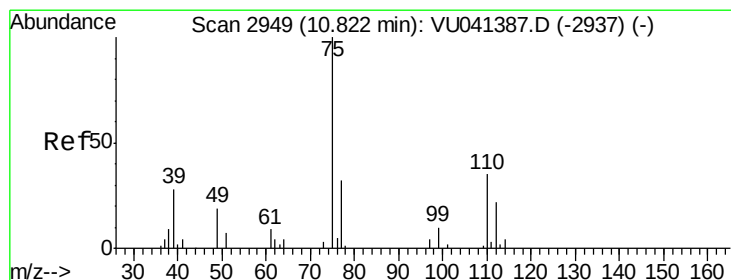
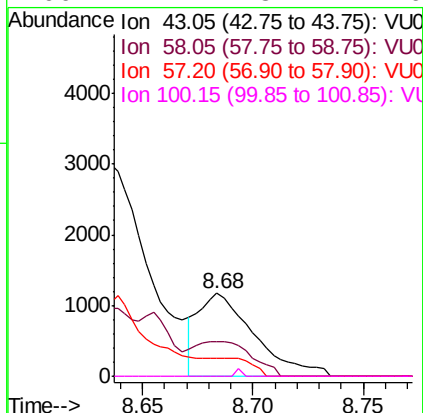
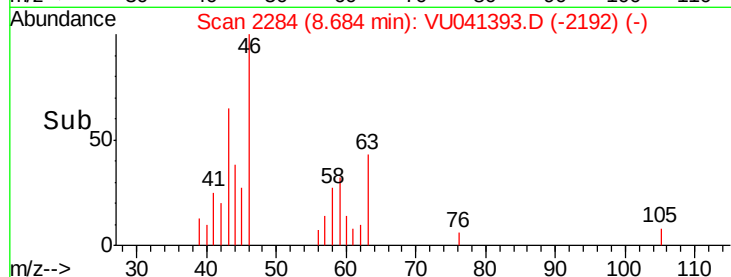
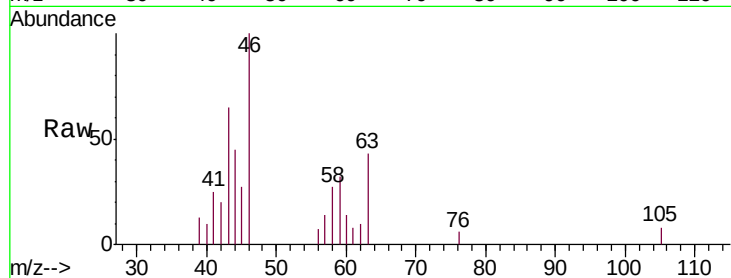




#48
2-Hexanone
Concen: 0.842 ug/L
RT: 8.68 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VU041393.D
Acq: 23 Nov 2020 17:27

Instrument :
MSVOA_U
ClientSampleId :
H4392DL

Tgt Ion: 43 Resp: 2065
Ion Ratio Lower Upper
43 100
58 44.8 42.0 63.0
57 0.0 15.0 22.4#
100 1.1 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 1.165 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041393.D
Acq: 23 Nov 2020 17:27

Tgt Ion: 75 Resp: 4149
Ion Ratio Lower Upper
75 100
77 37.9 25.1 37.7#

