

Data File : VU041330.D
Acq On : 18 Nov 2020 22:35
Operator : SY/MD
Sample : L4790-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4397

Quant Time: Nov 19 00:54:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	65013	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	64205	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	25227	5.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.40%
7) Chloroethane-d5	1.92	69	18765	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.58	63	34761	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	4.66	46	96260	48.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.64%
24) Chloroform-d	5.08	84	50335	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.72	65	31760	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.74	84	88708	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.70	67	30470	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.91	98	69776	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	10984	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.64	63	65033	47.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26681	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	27128	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

						Qvalue
3) Chloromethane	1.52	50	645	0.112	ug/L	92
5) Vinyl chloride	1.61	62	674952	119.589	ug/L	98
8) Chloroethane	1.74	64	57031	15.224	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	336	0.070	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	2820	0.666	ug/L #	1
13) Acetone	2.66	43	1125	0.860	ug/L	80
14) Carbon disulfide	2.81	76	4392	0.353	ug/L	96
15) Methyl Acetate	3.06	43	603	0.222	ug/L #	53
18) trans-1,2-Dichloroethene	3.37	96	139704	33.895	ug/L	100
19) 1,1-Dichloroethane	3.89	63	2189	0.238	ug/L #	87
22) cis-1,2-Dichloroethene	4.69	96	637945	137.045	ug/L	96
27) 1,2-Dichloroethane	5.81	62	372	0.052	ug/L #	74
33) Benzene	5.79	78	2505	0.144	ug/L	100
34) Trichloroethene	6.55	95	45614	9.700	ug/L	97
35) Methylcyclohexane	6.70	83	7101	1.137	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3599	0.708	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	724	0.102	ug/L #	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

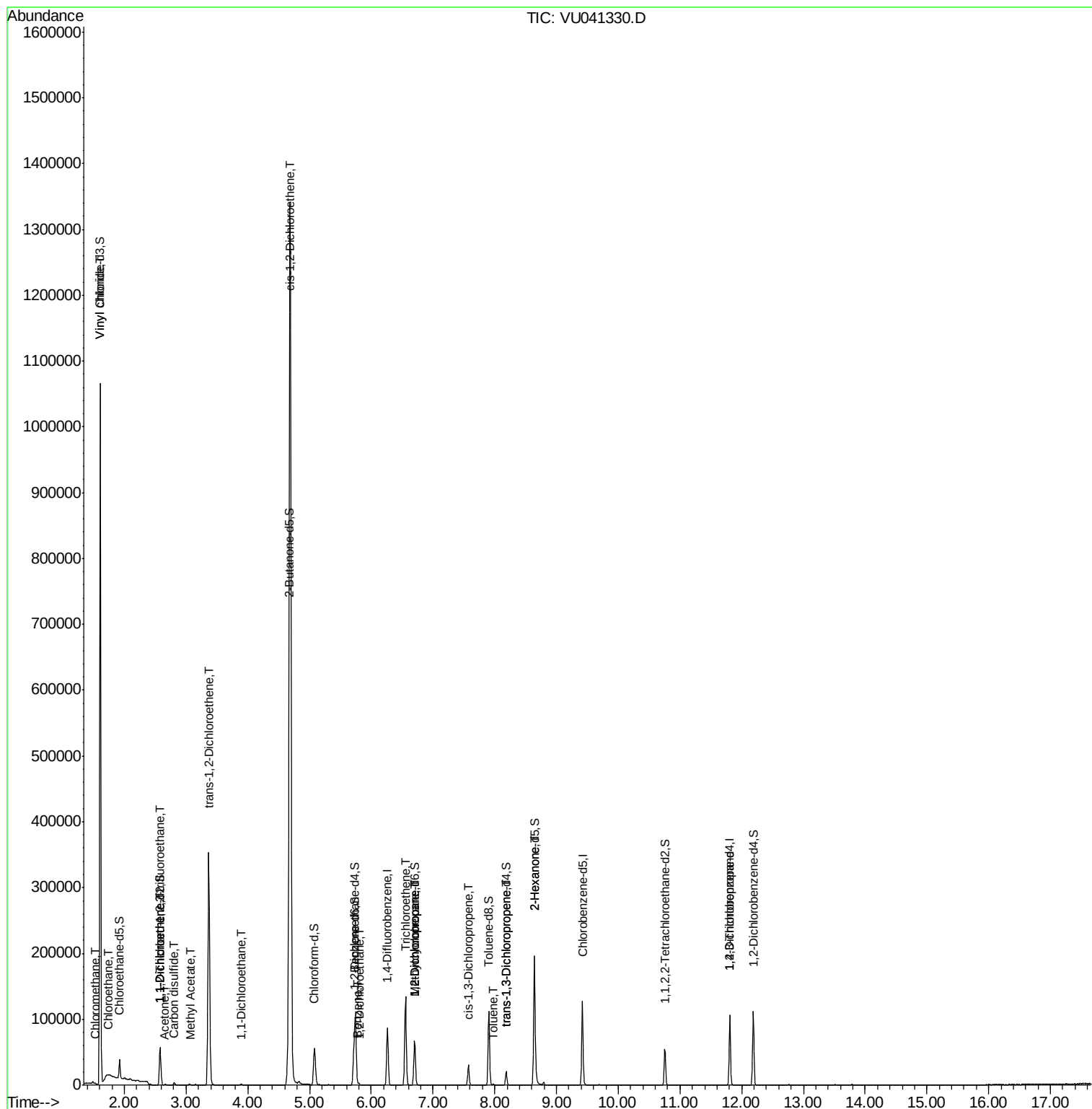
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	831	0.045	ug/L	77
44) trans-1,3-Dichloropropene	8.18	75	545	0.081	ug/L #	79
48) 2-Hexanone	8.64	43	9522	3.031	ug/L #	75
59) 1,2,3-Trichloropropane	11.81	75	3625	0.904	ug/L	97

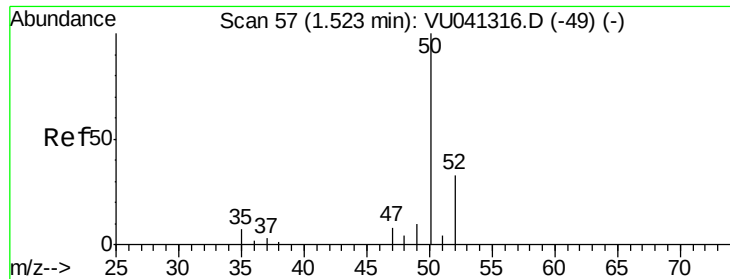
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.112 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041330.D

Acq: 18 Nov 2020 22:35

Instrument :

MSVOA_U

ClientSampleId :

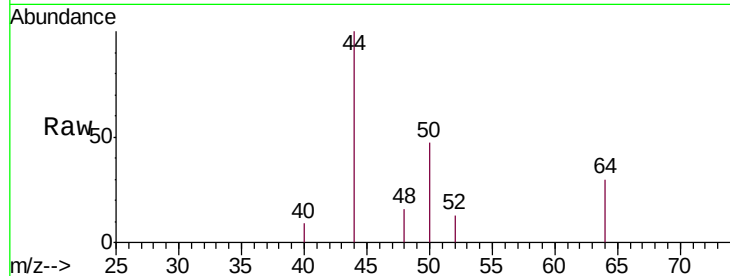
H4397

Tgt Ion: 50 Resp: 645

Ion Ratio Lower Upper

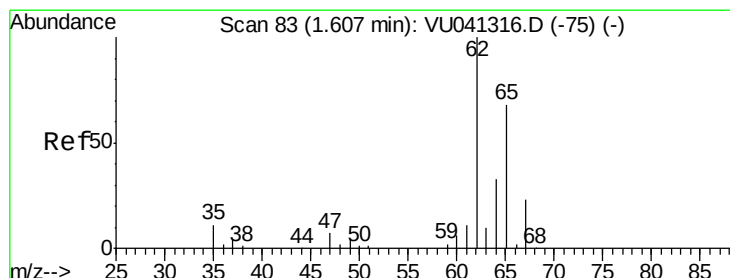
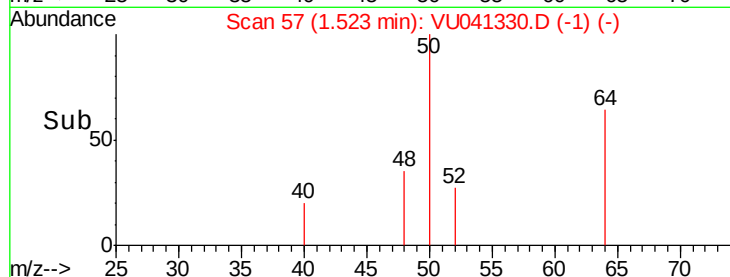
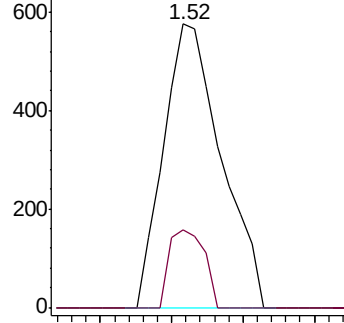
50 100

52 27.4 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 119.589 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041330.D

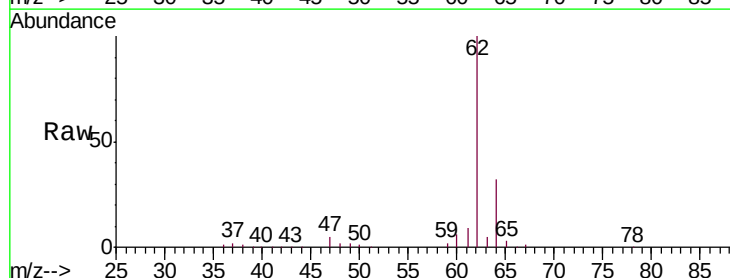
Acq: 18 Nov 2020 22:35

Tgt Ion: 62 Resp: 674952

Ion Ratio Lower Upper

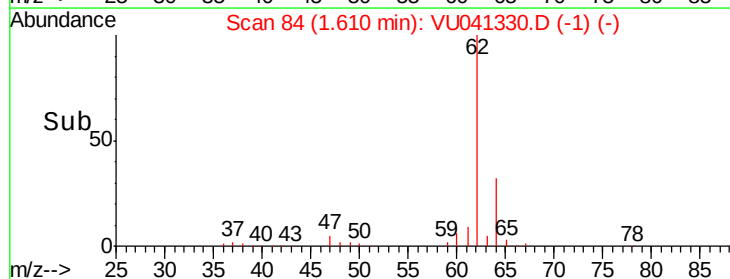
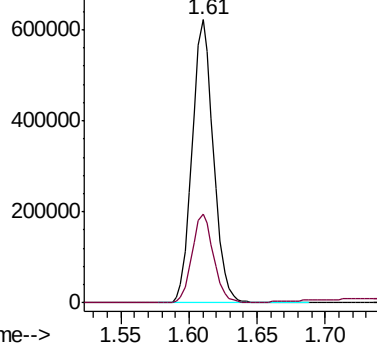
62 100

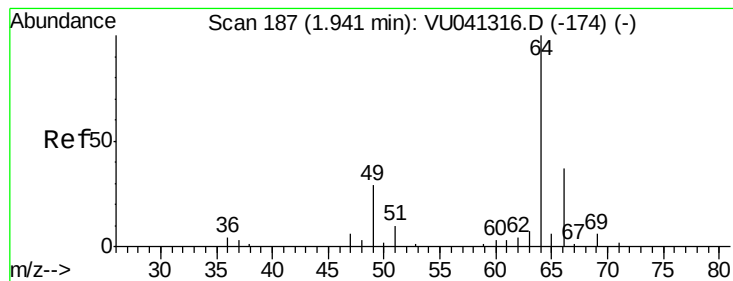
64 31.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 15.224 ug/L

RT: 1.74 min Scan# 124

Delta R.T. -0.20 min

Lab File: VU041330.D

Acq: 18 Nov 2020 22:35

Instrument :

MSVOA_U

ClientSampleId :

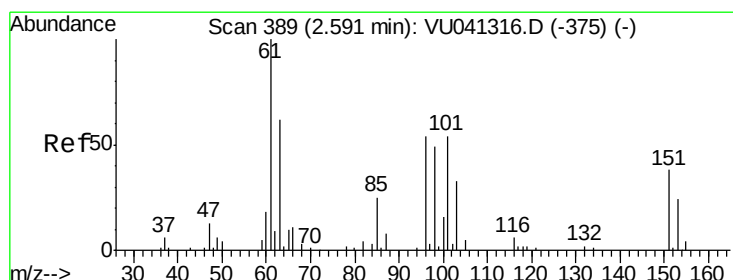
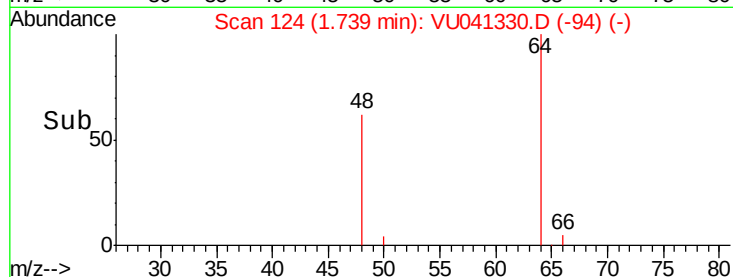
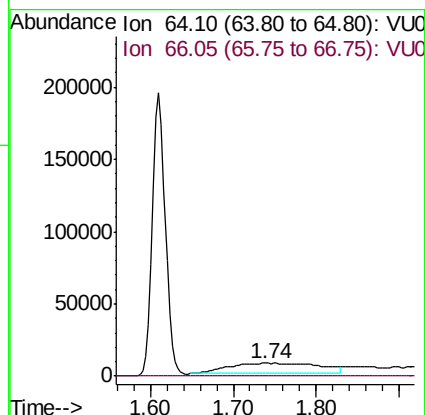
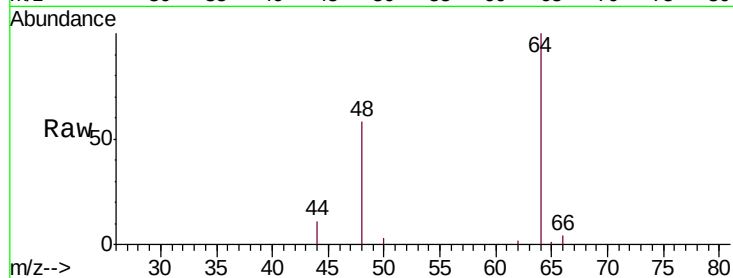
H4397

Tgt Ion: 64 Resp: 57031

Ion Ratio Lower Upper

64 100

66 4.3 22.3 41.5#



#10

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

Concen: 0.070 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041330.D

Acq: 18 Nov 2020 22:35

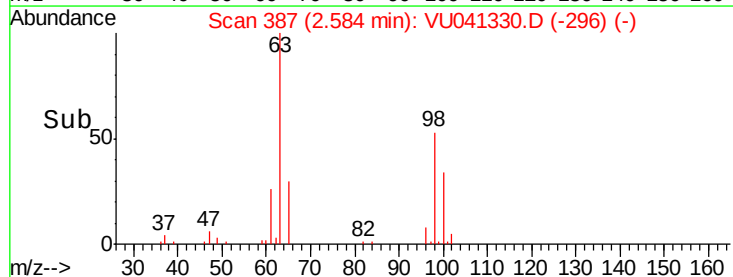
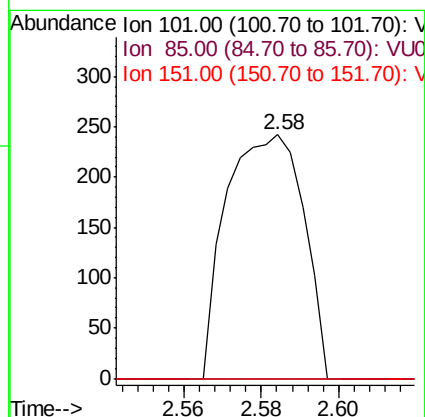
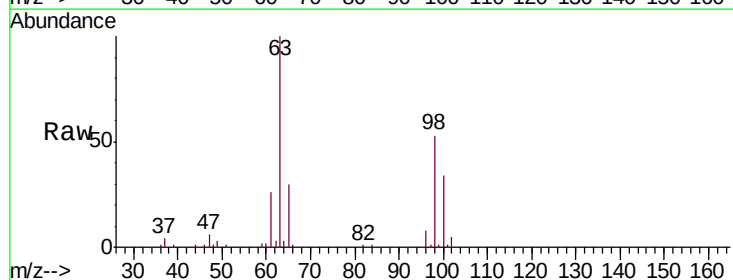
Tgt Ion: 101 Resp: 336

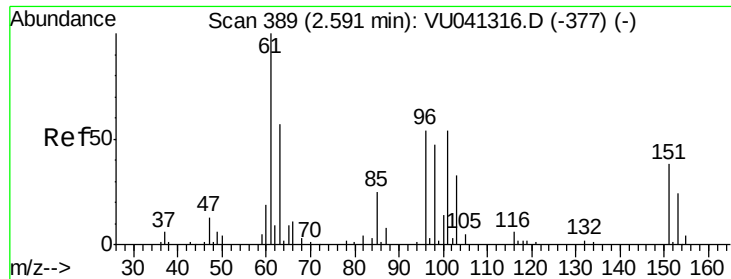
Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#

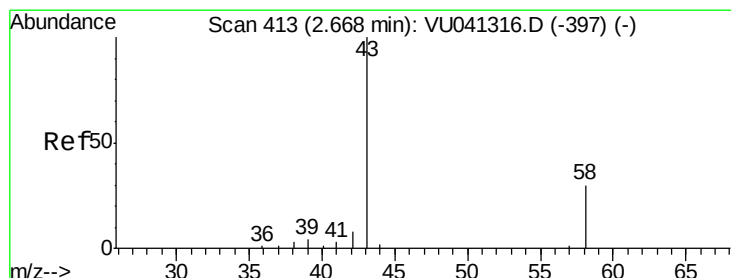
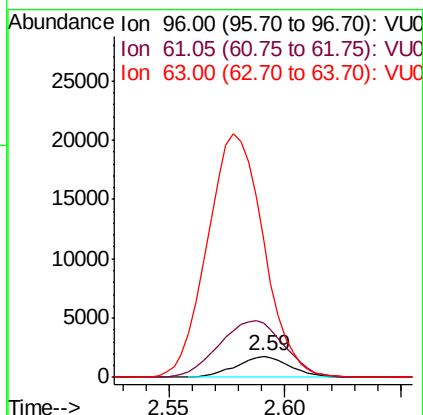
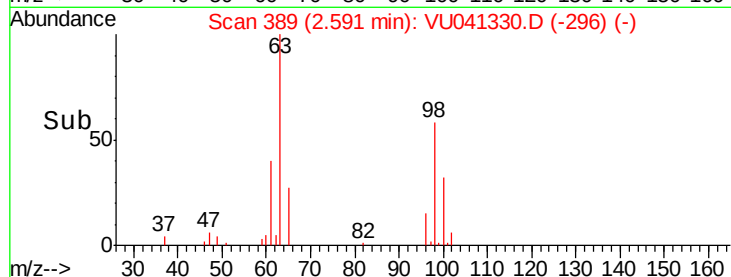
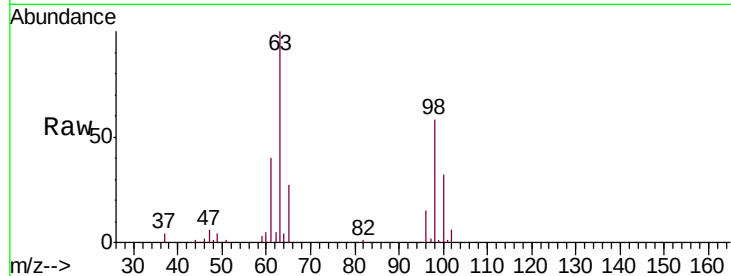




#12
 1,1-Dichloroethene
 Concen: 0.666 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU041330.D
 Acq: 18 Nov 2020 22:35

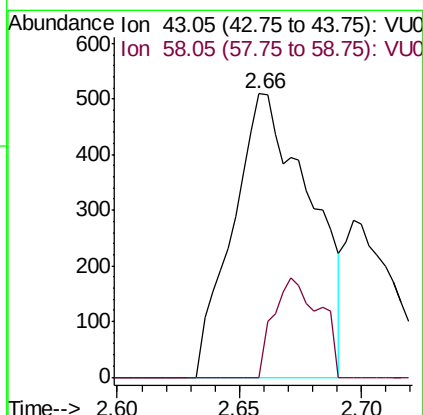
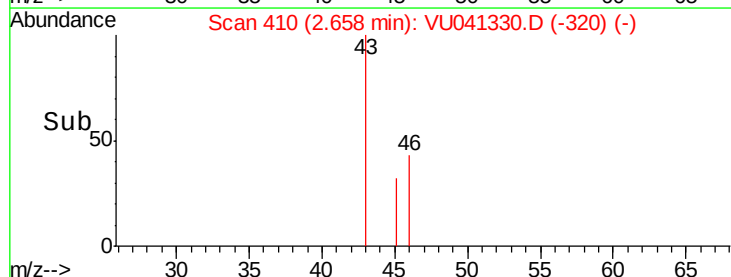
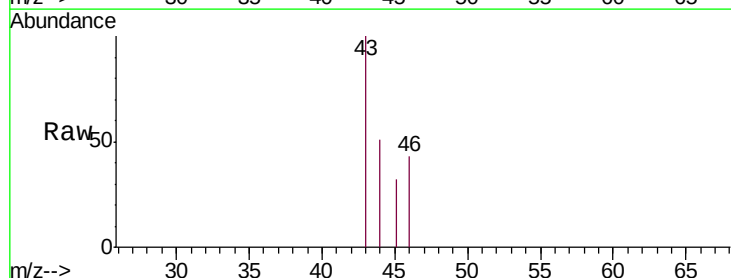
Instrument :
 MSVOA_U
 ClientSampleId :
 H4397

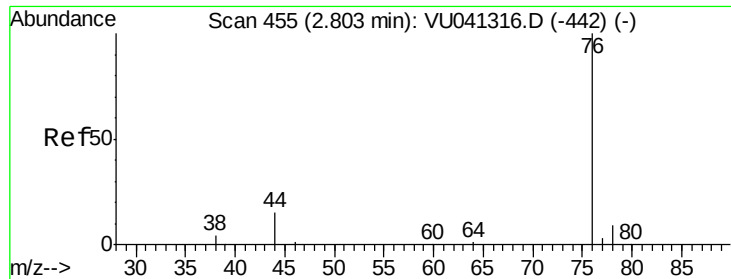
Tgt Ion: 96 Resp: 2820
 Ion Ratio Lower Upper
 96 100
 61 258.8 134.3 249.5#
 63 645.4 95.0 176.4#



#13
 Acetone
 Concen: 0.860 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: VU041330.D
 Acq: 18 Nov 2020 22:35

Tgt Ion: 43 Resp: 1125
 Ion Ratio Lower Upper
 43 100
 58 20.7 0.0 25.4

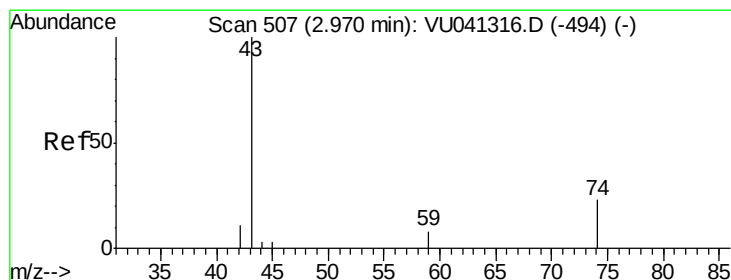
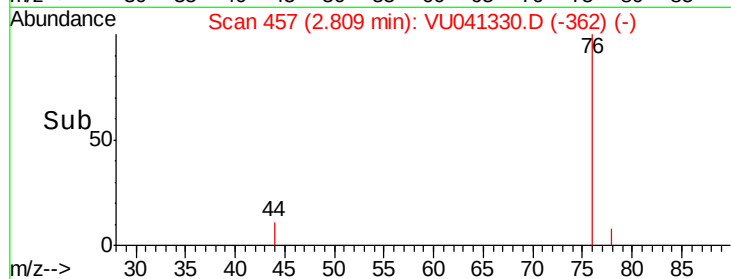
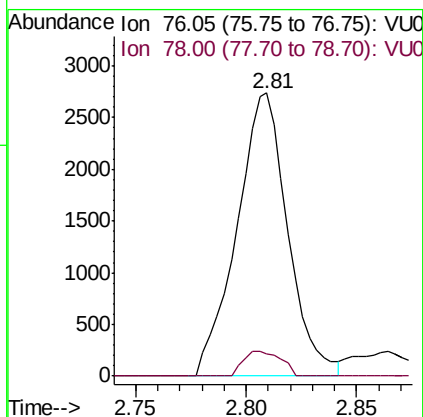
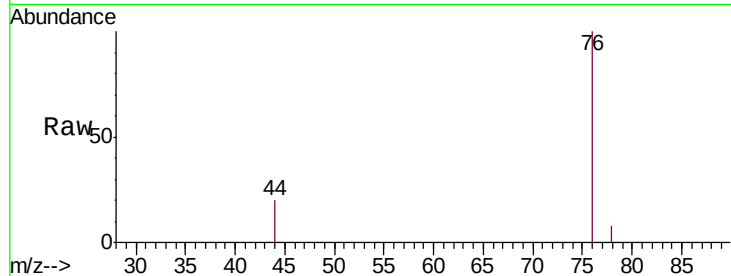




#14
Carbon disulfide
Concen: 0.353 ug/L
RT: 2.81 min Scan# 457
Delta R.T. 0.01 min
Lab File: VU041330.D
Acq: 18 Nov 2020 22:35

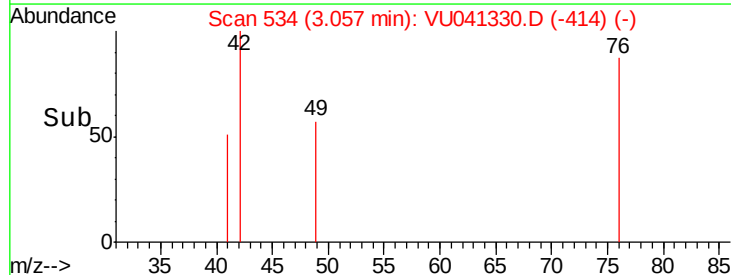
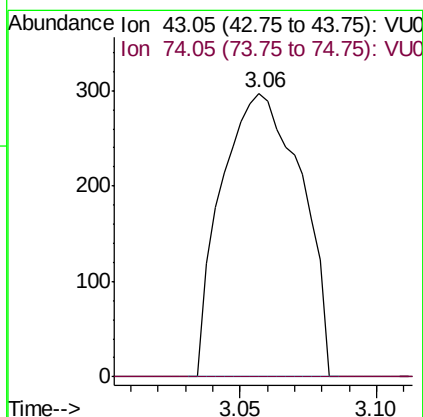
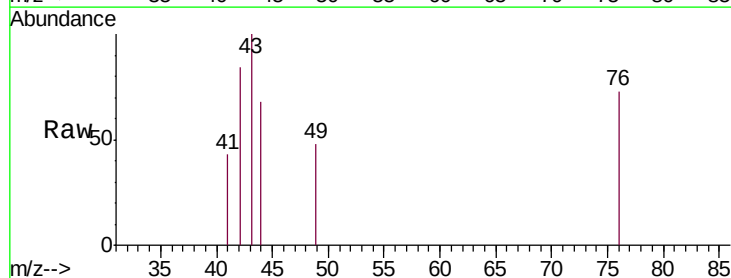
Instrument :
MSVOA_U
ClientSampleId :
H4397

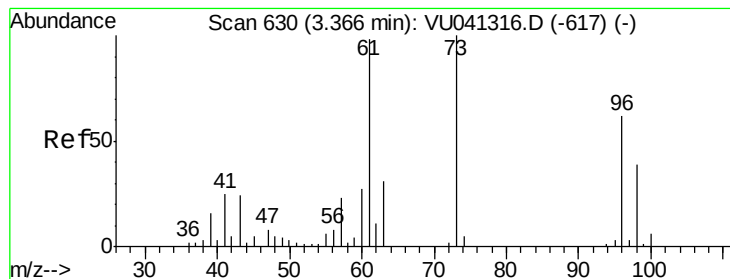
Tgt Ion: 76 Resp: 4392
Ion Ratio Lower Upper
76 100
78 8.0 7.5 11.3



#15
Methyl Acetate
Concen: 0.222 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.09 min
Lab File: VU041330.D
Acq: 18 Nov 2020 22:35

Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#





#18

trans-1,2-Dichloroethene

Concen: 33.895 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041330.D

Acq: 18 Nov 2020 22:35

Instrument :

MSVOA_U

ClientSampleId :

H4397

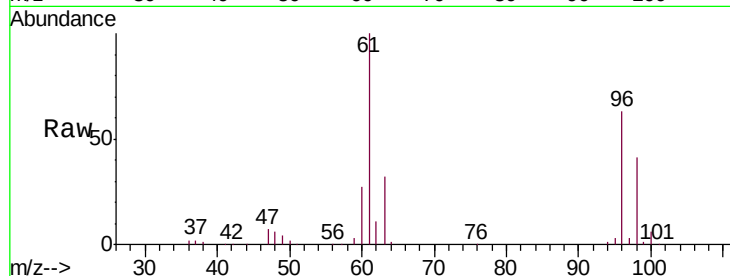
Tgt Ion: 96 Resp: 139704

Ion Ratio Lower Upper

96 100

61 158.4 110.9 205.9

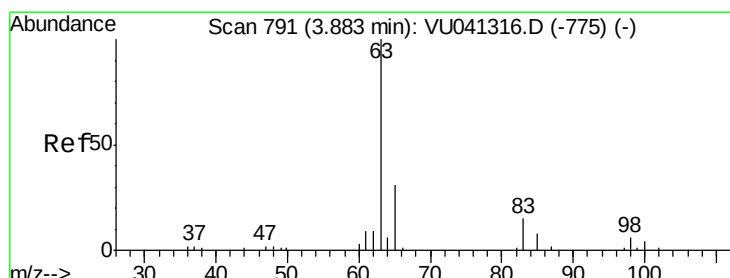
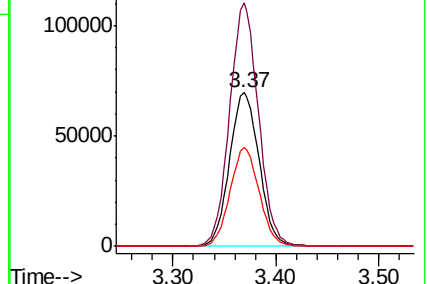
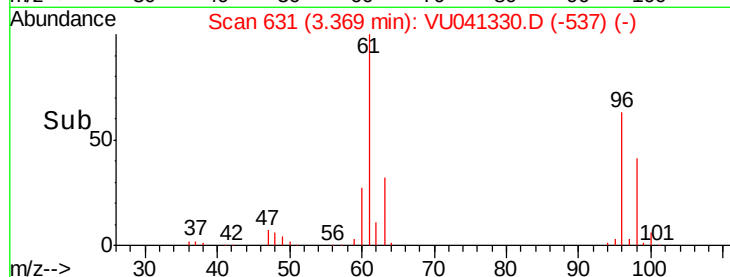
98 64.4 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041330.D (-537) (-)

Ion 61.05 (60.75 to 61.75): VU041330.D (-537) (-)

Ion 97.95 (97.65 to 98.65): VU041330.D (-537) (-)



#19

1,1-Dichloroethane

Concen: 0.238 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.01 min

Lab File: VU041330.D

Acq: 18 Nov 2020 22:35

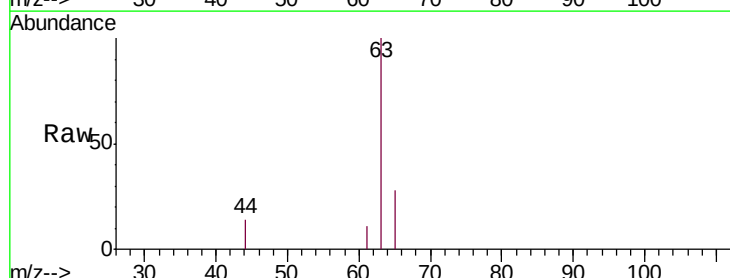
Tgt Ion: 63 Resp: 2189

Ion Ratio Lower Upper

63 100

65 27.7 21.3 39.6

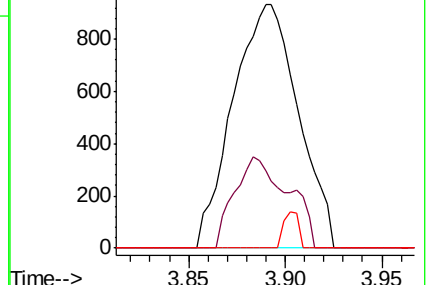
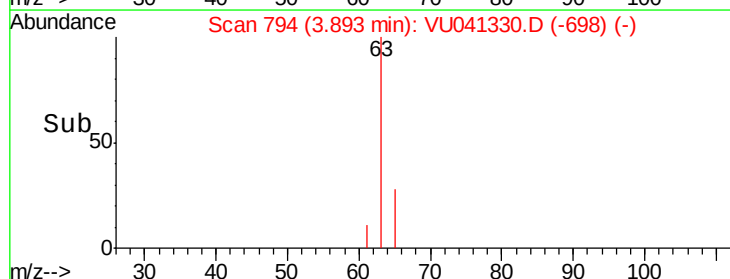
83 0.0 8.8 16.3#

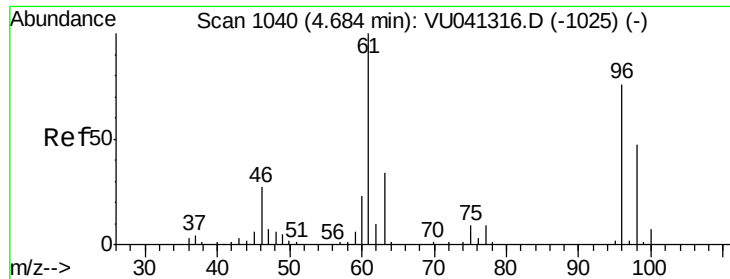


Abundance Ion 63.10 (62.80 to 63.80): VU041330.D (-698) (-)

Ion 65.10 (64.80 to 65.80): VU041330.D (-698) (-)

Ion 83.05 (82.75 to 83.75): VU041330.D (-698) (-)

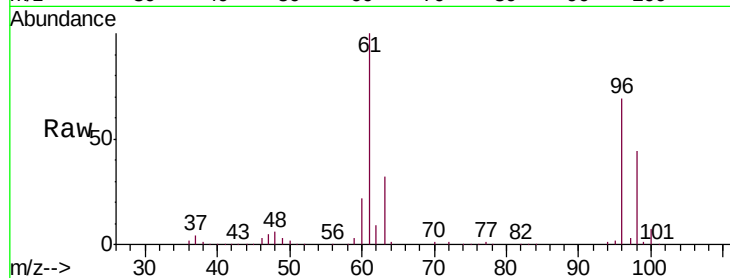




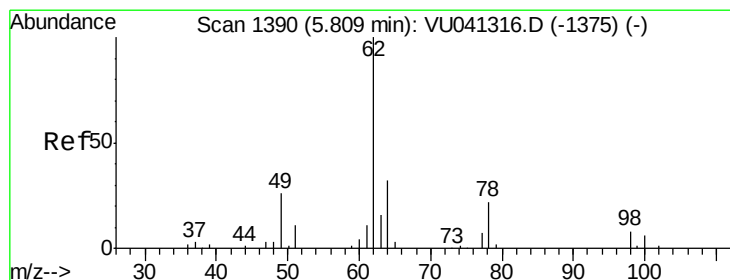
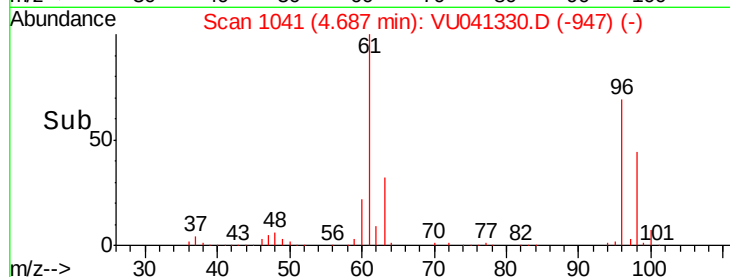
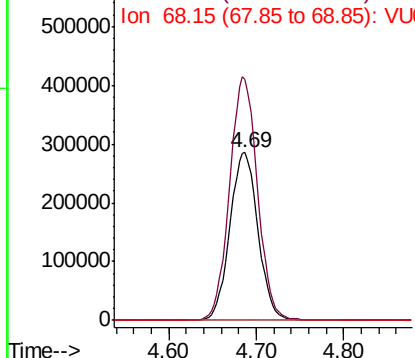
#22
 cis-1,2-Dichloroethene
 Concen: 137.045 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041330.D
 Acq: 18 Nov 2020 22:35

Instrument :
 MSVOA_U
 ClientSampleId :
 H4397

Tgt Ion: 96 Resp: 637945
 Ion Ratio Lower Upper
 96 100
 61 144.1 97.2 180.4
 68 0.0 0.0 0.0

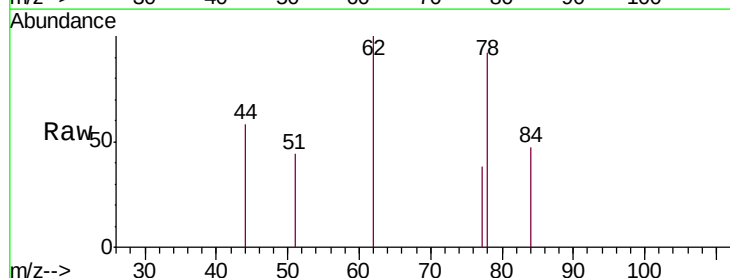


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

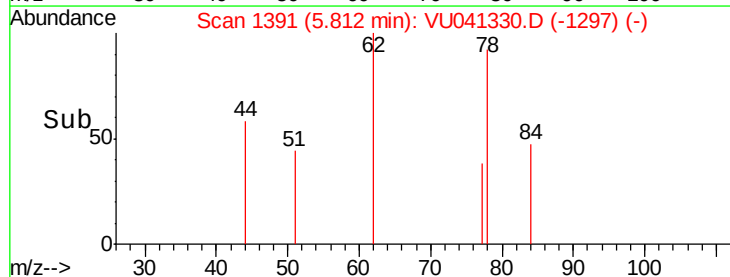
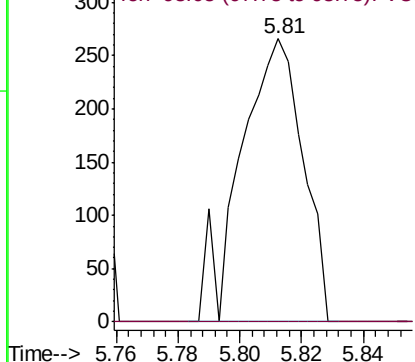


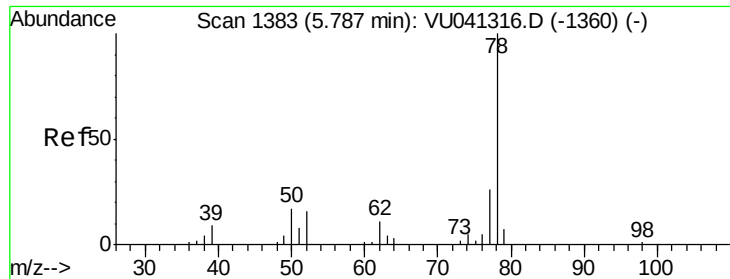
#27
 1,2-Dichloroethane
 Concen: 0.052 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VU041330.D
 Acq: 18 Nov 2020 22:35

Tgt Ion: 62 Resp: 372
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 0.144 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU041330.D

Acq: 18 Nov 2020 22:35

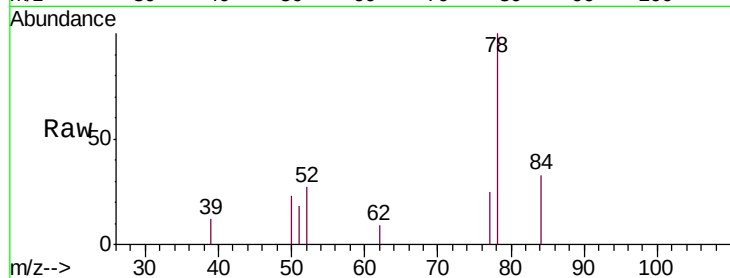
Instrument :

MSVOA_U

ClientSampleId :

H4397

Tgt Ion: 78 Resp: 2505



Abundance Ion 78.10 (77.80 to 78.80): VU0

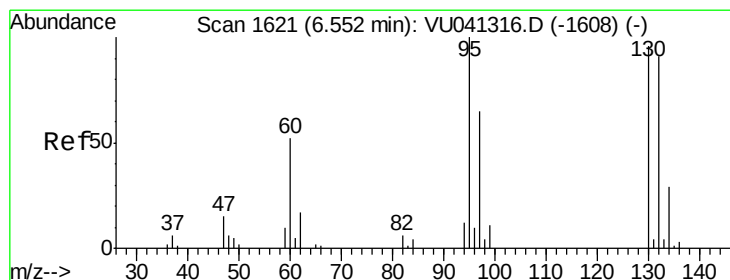
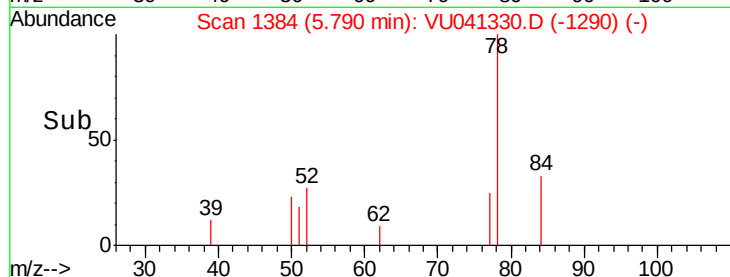
5.79

1000

500

0

Time-->



#34

Trichloroethene

Concen: 9.700 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041330.D

Acq: 18 Nov 2020 22:35

Tgt Ion: 95 Resp: 45614

Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.6	84.6
132	86.3	64.8	120.4
130	92.8	64.8	120.4

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

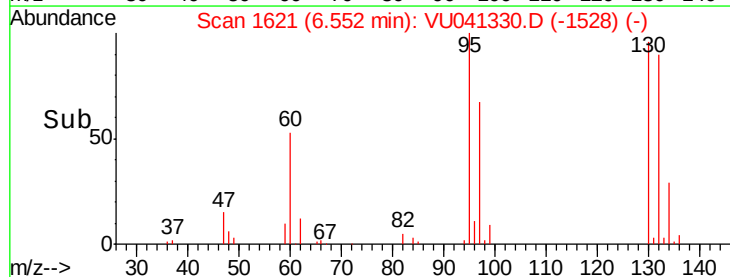
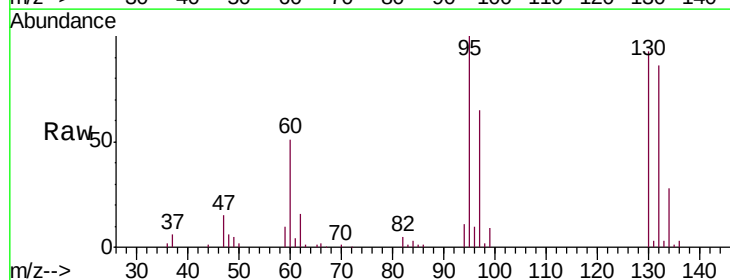
30000

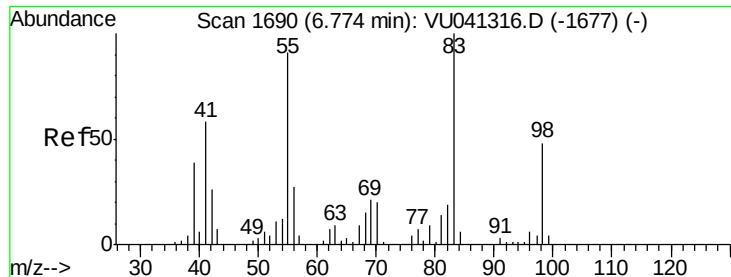
20000

10000

0

Time-->

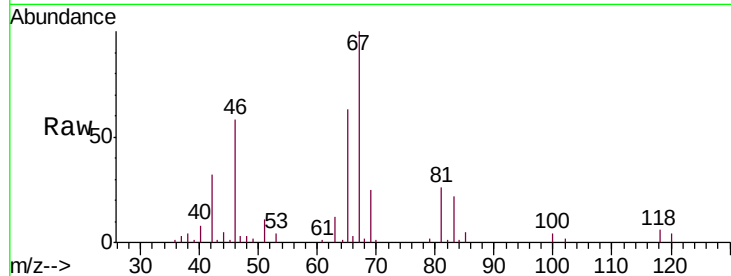




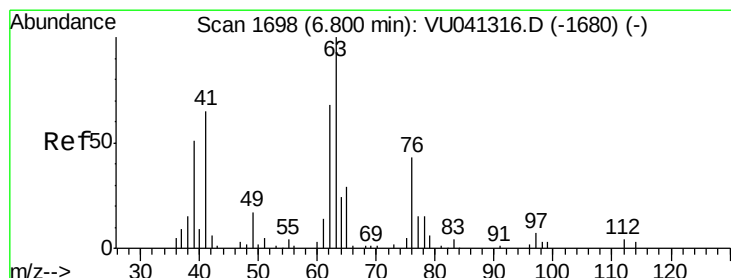
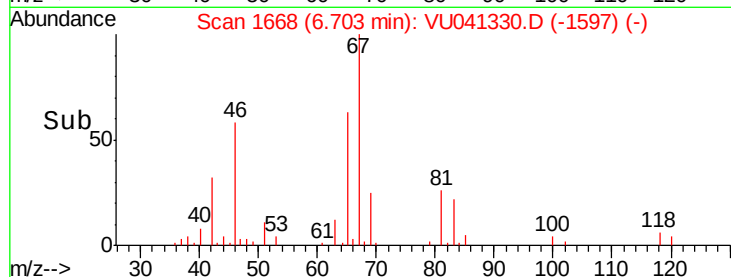
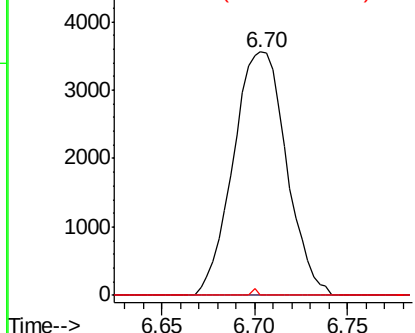
#35
Methylcyclohexane
Concen: 1.137 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041330.D
Acq: 18 Nov 2020 22:35

Instrument :
MSVOA_U
ClientSampleId :
H4397

Tgt Ion: 83 Resp: 7101
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

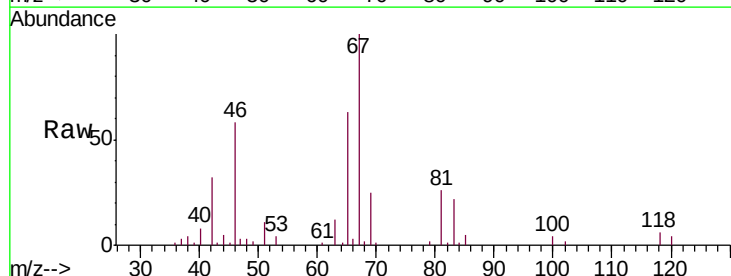


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

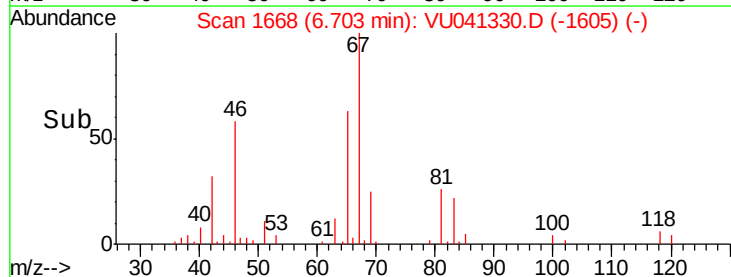
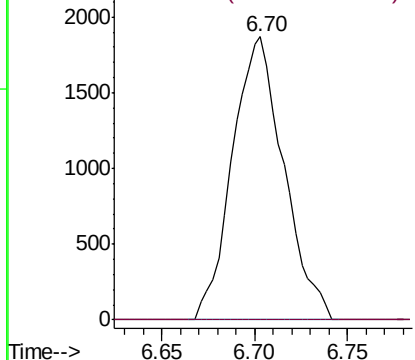


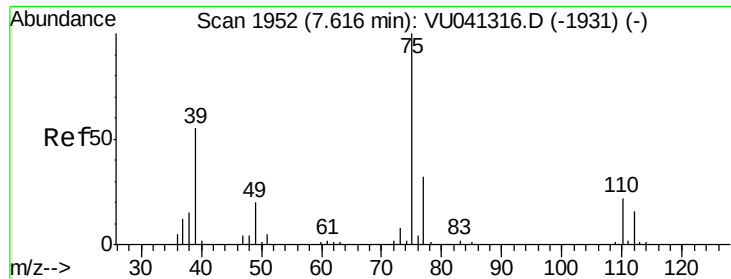
#37
1,2-Dichloropropane
Concen: 0.708 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041330.D
Acq: 18 Nov 2020 22:35

Tgt Ion: 63 Resp: 3599
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



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

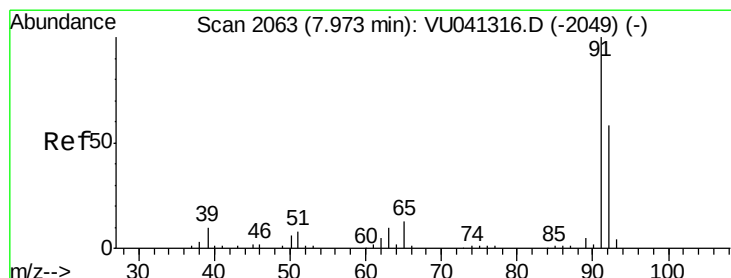
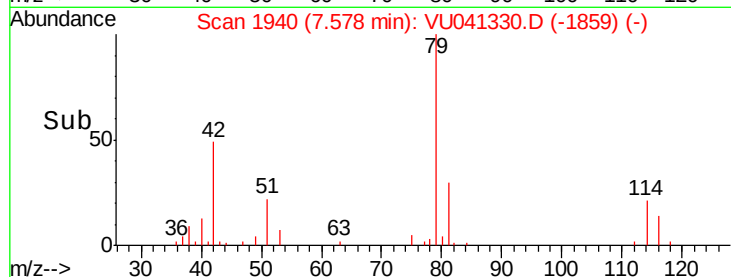
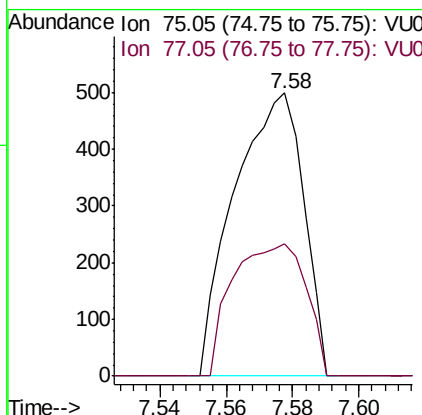
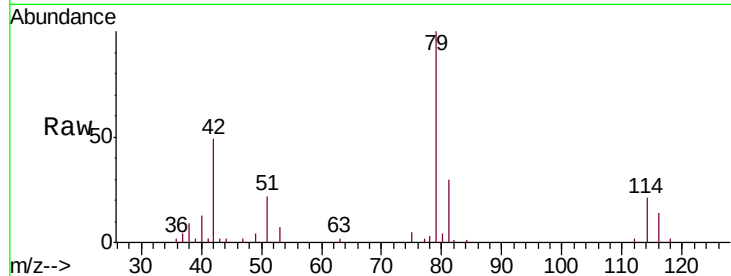




#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041330.D
 Acq: 18 Nov 2020 22:35

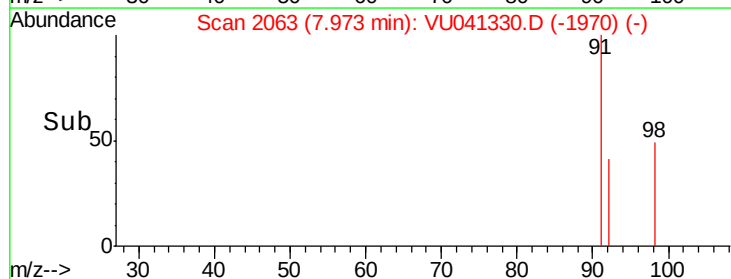
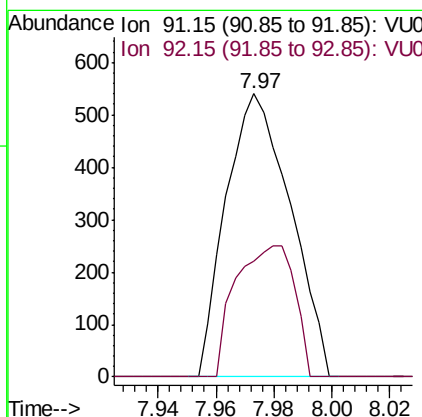
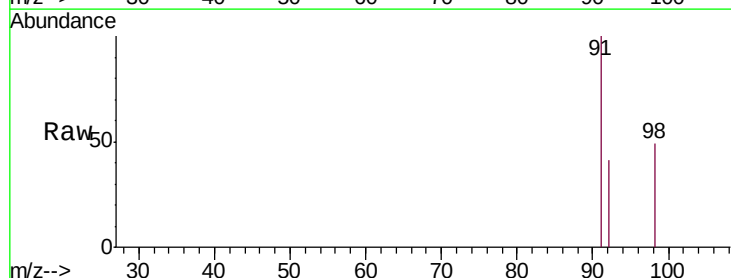
Instrument :
 MSVOA_U
 ClientSampled :
 H4397

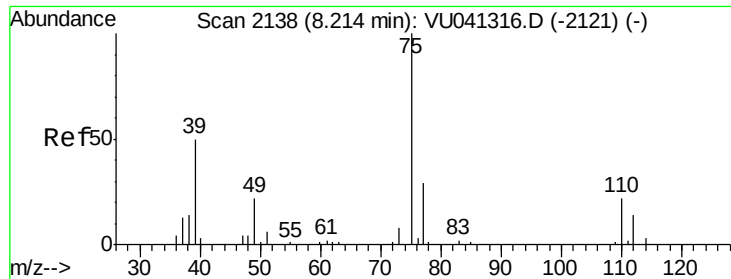
Tgt Ion: 75 Resp: 724
 Ion Ratio Lower Upper
 75 100
 77 46.7 22.7 42.3#



#42
 Toluene
 Concen: 0.045 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VU041330.D
 Acq: 18 Nov 2020 22:35

Tgt Ion: 91 Resp: 831
 Ion Ratio Lower Upper
 91 100
 92 41.1 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041330.D

Acq: 18 Nov 2020 22:35

Instrument :

MSVOA_U

ClientSampleId :

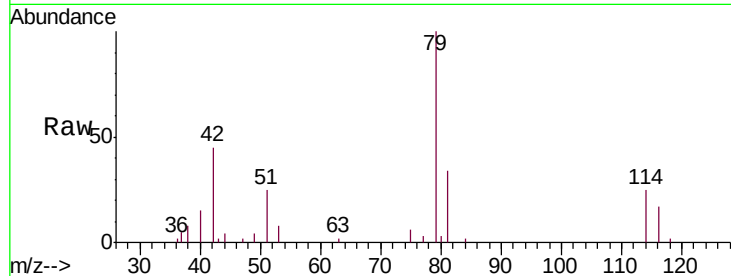
H4397

Tgt Ion: 75 Resp: 545

Ion Ratio Lower Upper

75 100

77 45.0 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.18

400

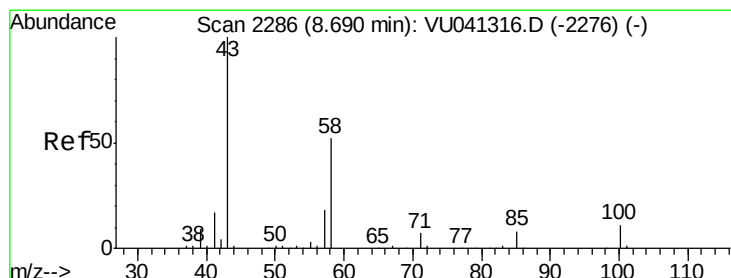
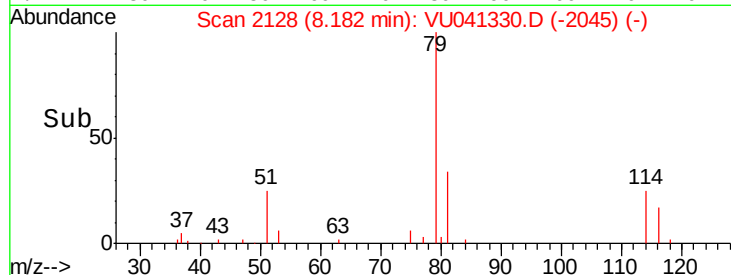
300

200

100

0

Time-->



#48

2-Hexanone

Concen: 3.031 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041330.D

Acq: 18 Nov 2020 22:35

Tgt Ion: 43 Resp: 9522

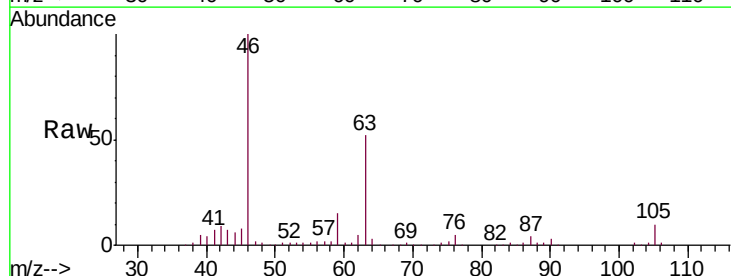
Ion Ratio Lower Upper

43 100

58 35.2 41.4 62.2#

57 30.6 14.6 21.8#

100 0.0 8.3 12.5#



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

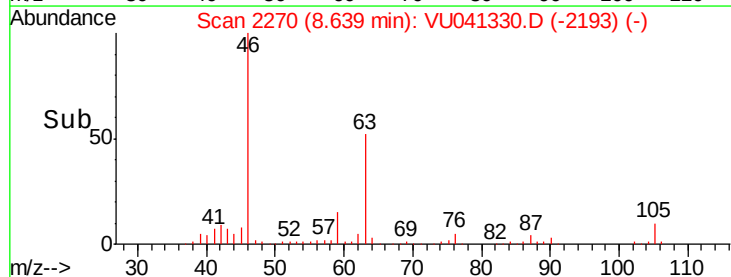
6000

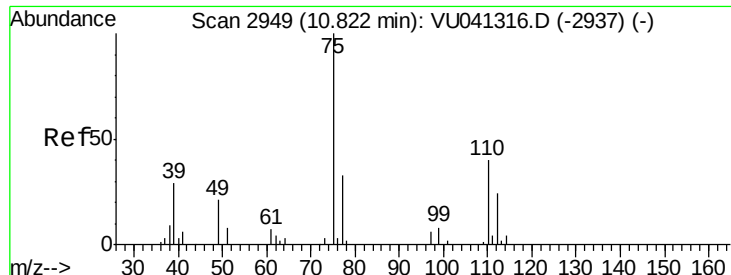
4000

2000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.904 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041330.D

Acq: 18 Nov 2020 22:35

Instrument :

MSVOA_U

ClientSampleId :

H4397

Tgt Ion: 75 Resp: 3625

Ion Ratio Lower Upper

75 100

77 30.3 25.7 38.5

