

Data File : VU041324.D
Acq On : 18 Nov 2020 20:13
Operator : SY/MD
Sample : L4790-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4420

Quant Time: Nov 19 00:52:42 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	65650	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65097	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26292	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22713	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.92	69	18657	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.58	63	35707	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	4.66	46	94984	47.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.40%
24) Chloroform-d	5.08	84	49962	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.72	65	30928	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.74	84	85759	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	29436	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.91	98	67715	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	8.19	79	11605	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.64	63	64656	46.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26832	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	26288	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue
3) Chloromethane	1.52	50	317	0.054 ug/L #	43
5) Vinyl chloride	1.61	62	266069	46.685 ug/L	99
8) Chloroethane	1.93	64	2712	0.717 ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	218	0.045 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	2950	0.690 ug/L #	1
13) Acetone	2.68	43	2001	1.515 ug/L	86
14) Carbon disulfide	2.81	76	1918	0.153 ug/L #	94
18) trans-1,2-Dichloroethene	3.37	96	53601	12.878 ug/L	99
19) 1,1-Dichloroethane	3.89	63	76988	8.273 ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	138268	29.415 ug/L	96
27) 1,2-Dichloroethane	5.73	62	496	0.068 ug/L #	74
33) Benzene	5.79	78	11805	0.669 ug/L	100
34) Trichloroethene	6.55	95	9133	1.916 ug/L	92
35) Methylcyclohexane	6.70	83	6866	1.084 ug/L #	16
37) 1,2-Dichloropropane	6.80	63	561	0.109 ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	790	0.110 ug/L #	64
42) Toluene	7.98	91	896	0.048 ug/L	87

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

Data File : VU041324.D
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

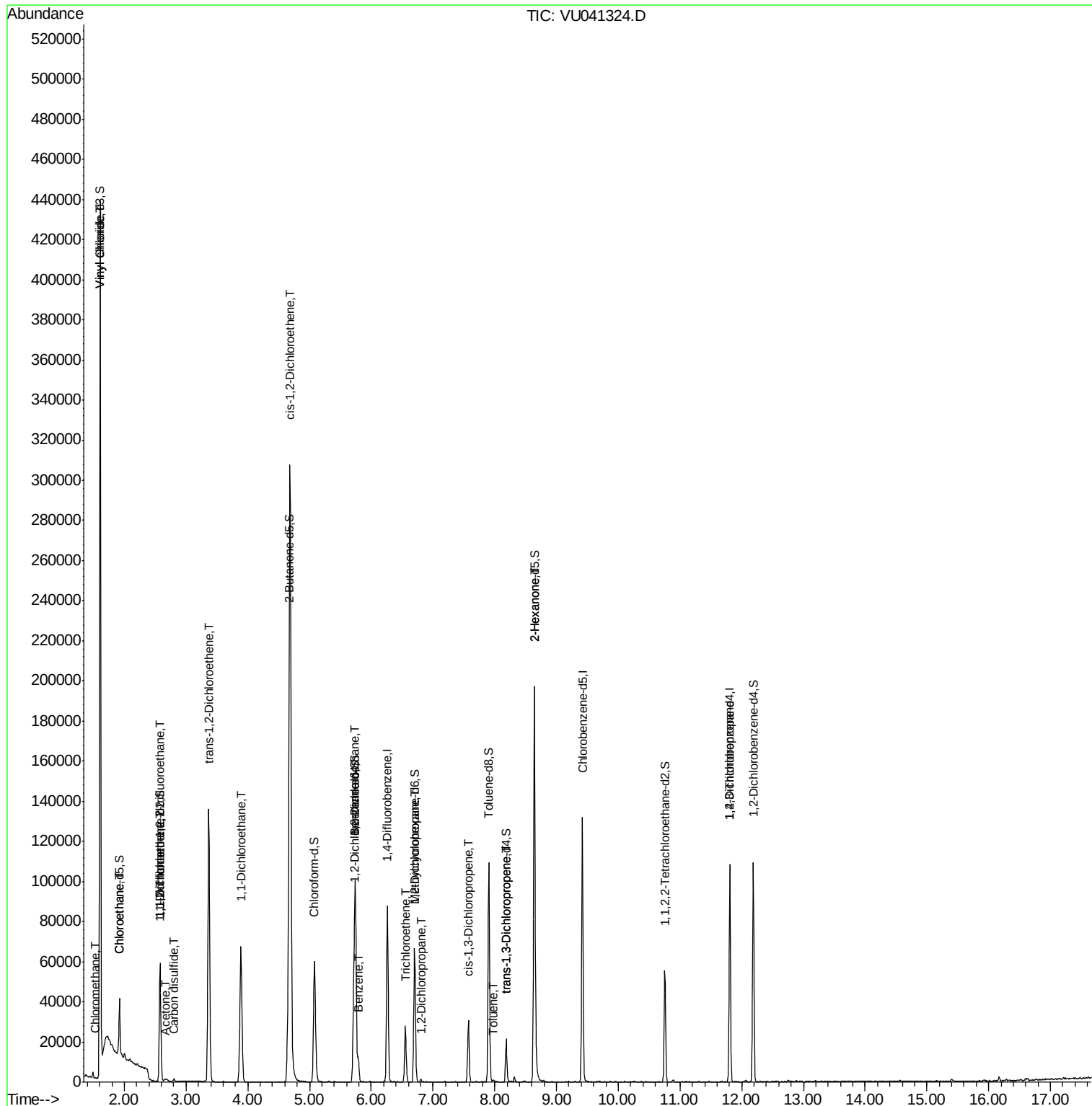
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.19	75	445	0.065	ug/L #	55
48) 2-Hexanone	8.64	43	9087	2.853	ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	3538	0.870	ug/L	90

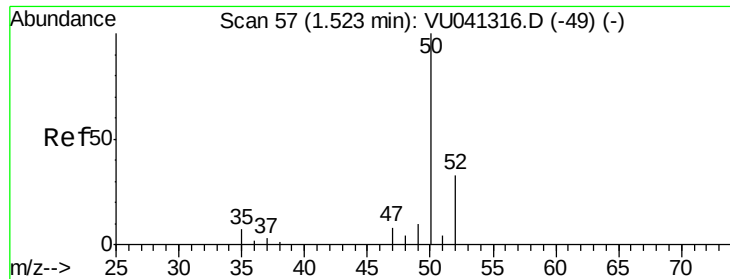
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.054 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041324.D

Acq: 18 Nov 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

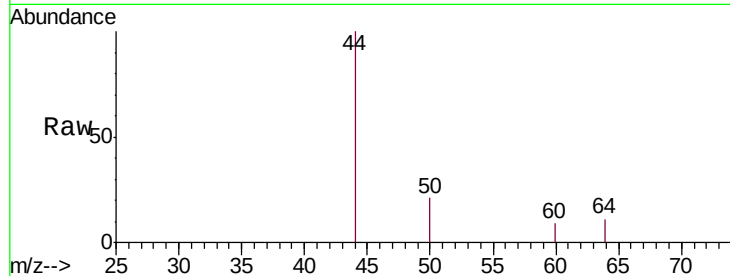
H4420

Tgt Ion: 50 Resp: 317

Ion Ratio Lower Upper

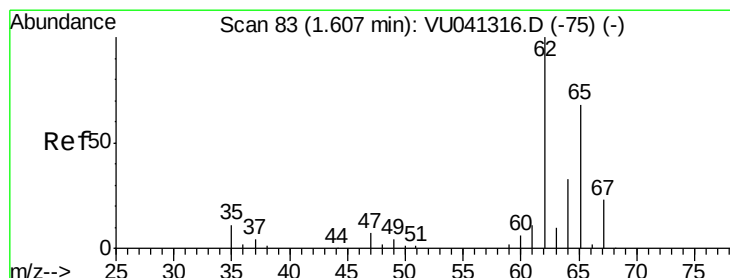
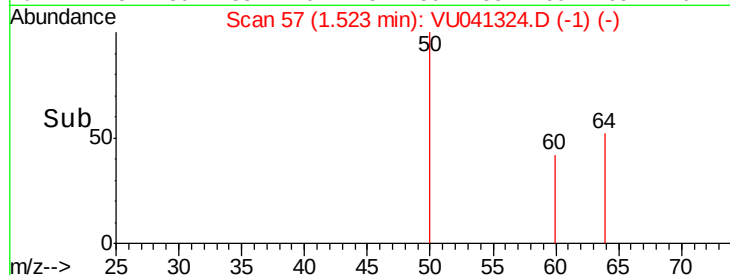
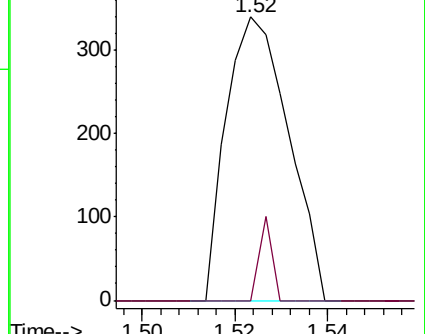
50 100

52 0.0 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: 46.685 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041324.D

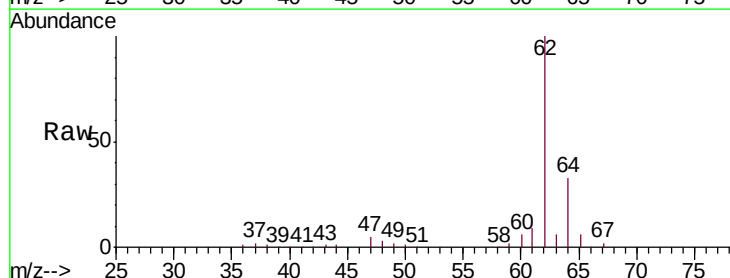
Acq: 18 Nov 2020 20:13

Tgt Ion: 62 Resp: 266069

Ion Ratio Lower Upper

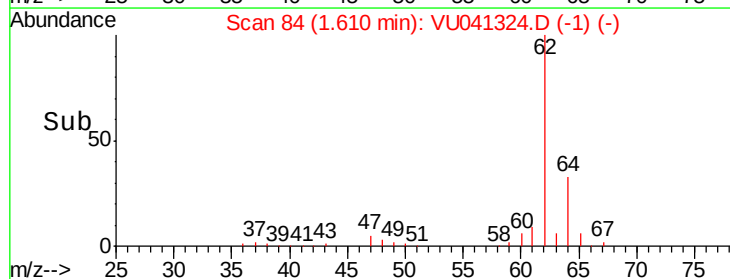
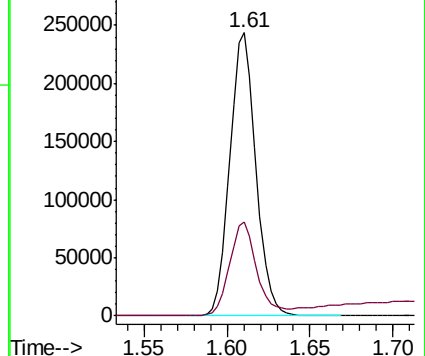
62 100

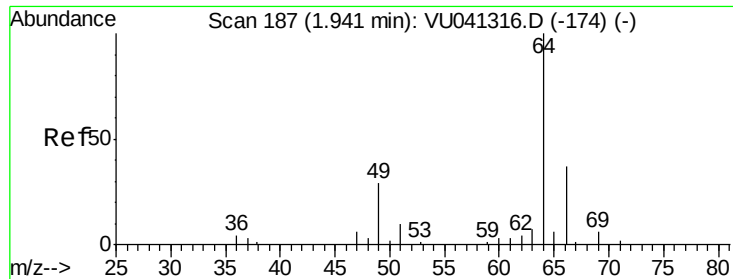
64 33.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.717 ug/L

RT: 1.93 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU041324.D

Acq: 18 Nov 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

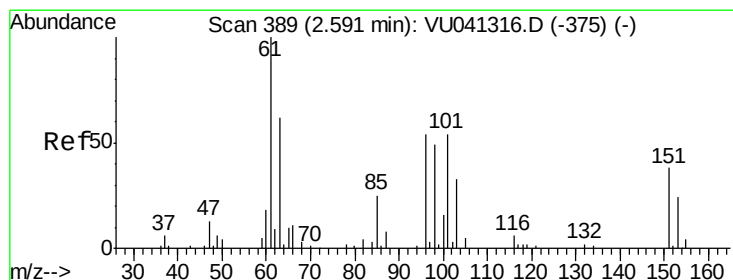
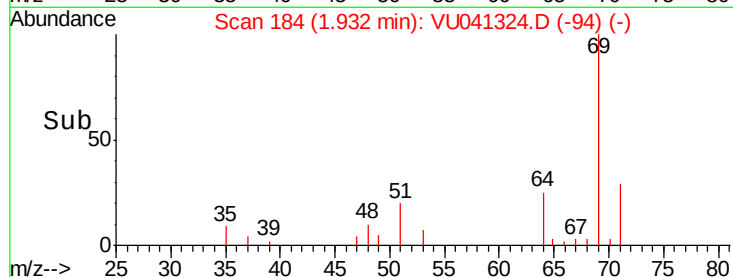
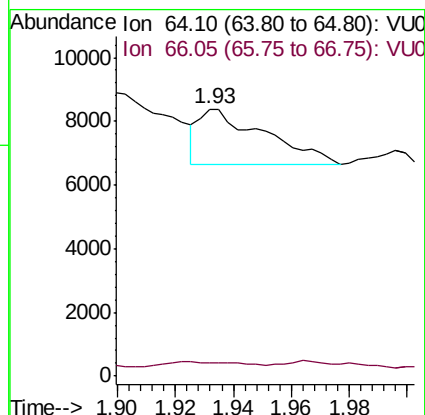
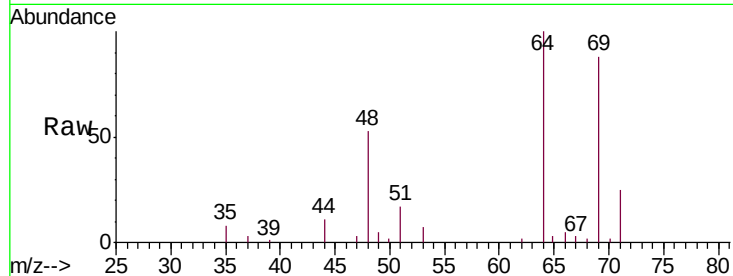
H4420

Tgt Ion: 64 Resp: 2712

Ion Ratio Lower Upper

64 100

66 4.7 22.3 41.5#



#10

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

Concen: 0.045 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041324.D

Acq: 18 Nov 2020 20:13

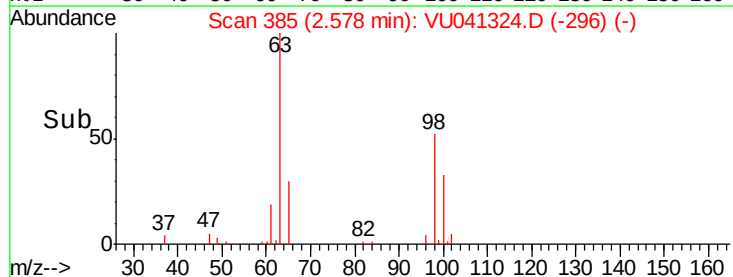
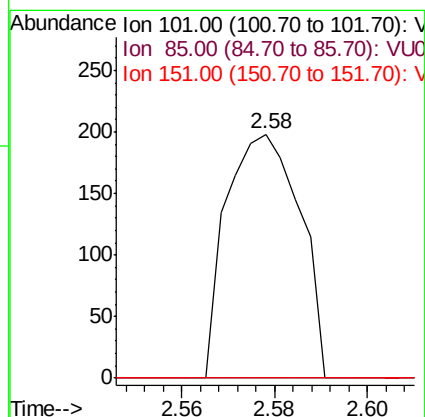
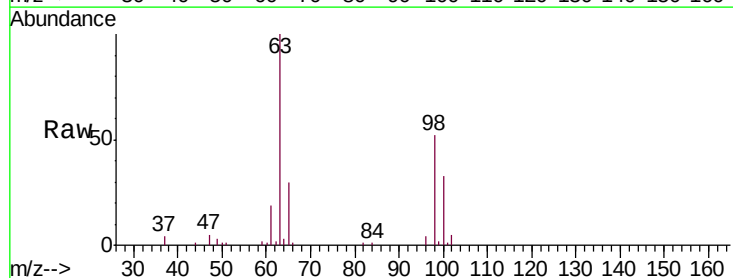
Tgt Ion: 101 Resp: 218

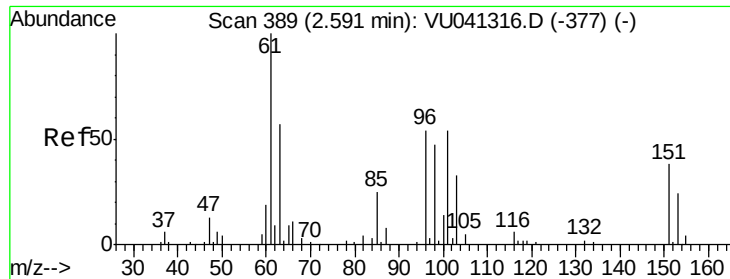
Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#

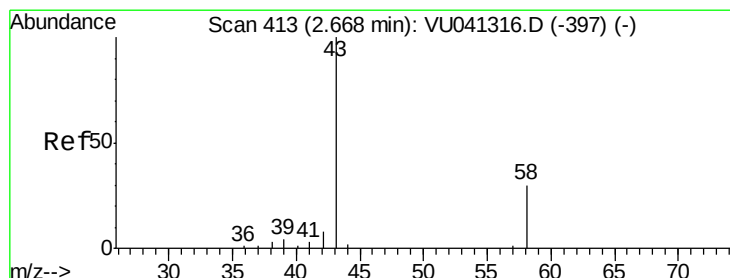
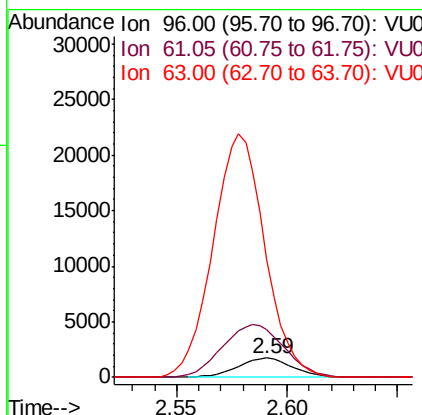
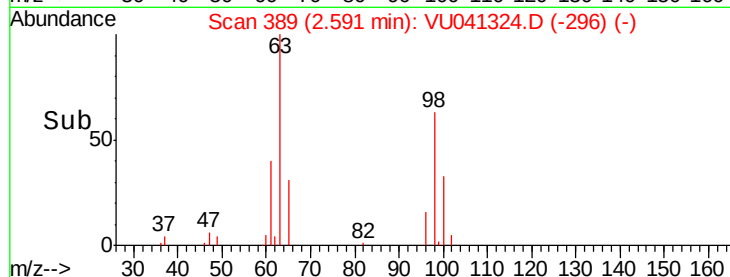
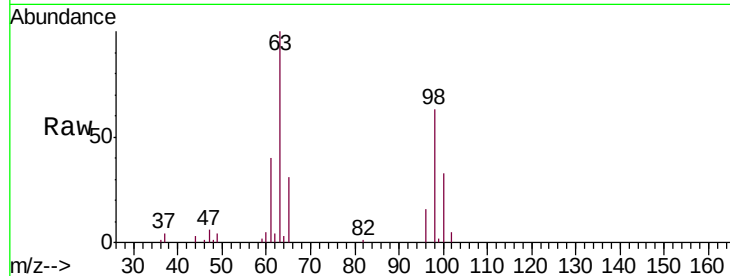




#12
 1,1-Dichloroethene
 Concen: 0.690 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU041324.D
 Acq: 18 Nov 2020 20:13

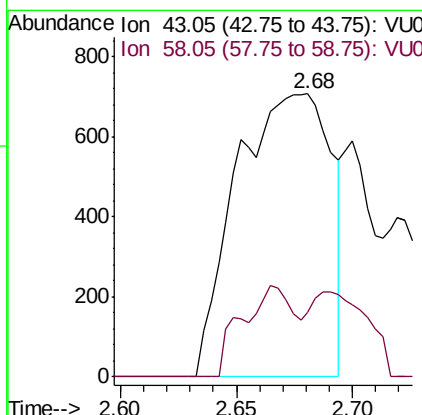
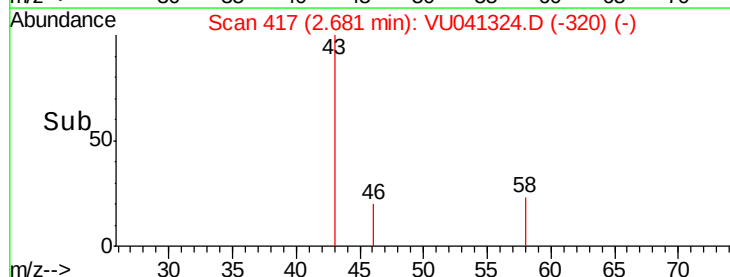
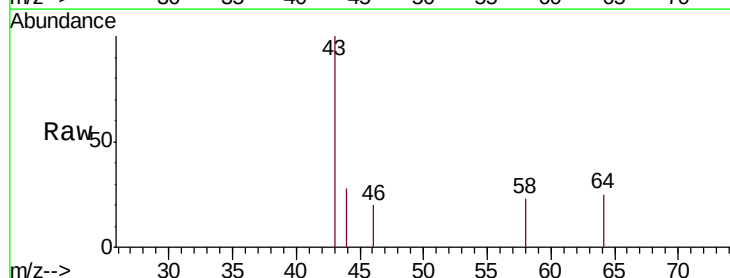
Instrument :
 MSVOA_U
 ClientSampleId :
 H4420

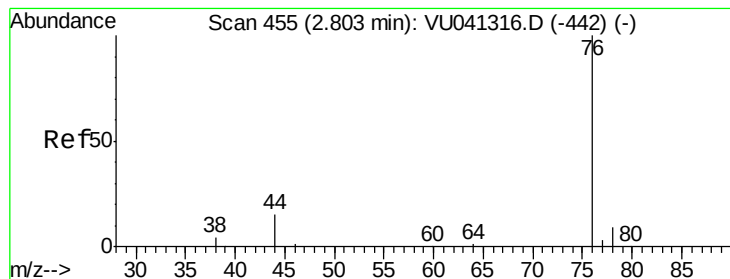
Tgt Ion: 96 Resp: 2950
 Ion Ratio Lower Upper
 96 100
 61 244.4 134.3 249.5
 63 615.6 95.0 176.4#



#13
 Acetone
 Concen: 1.515 ug/L
 RT: 2.68 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VU041324.D
 Acq: 18 Nov 2020 20:13

Tgt Ion: 43 Resp: 2001
 Ion Ratio Lower Upper
 43 100
 58 18.3 0.0 25.4





#14

Carbon disulfide

Concen: 0.153 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041324.D

Acq: 18 Nov 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

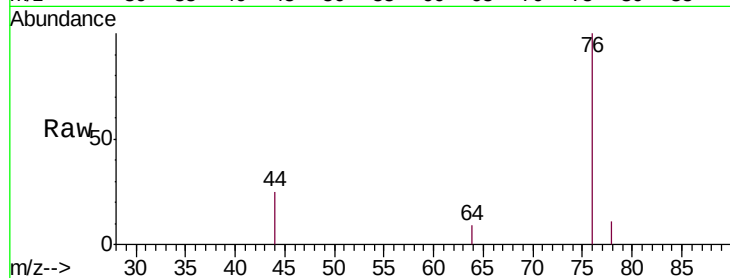
H4420

Tgt Ion: 76 Resp: 1918

Ion Ratio Lower Upper

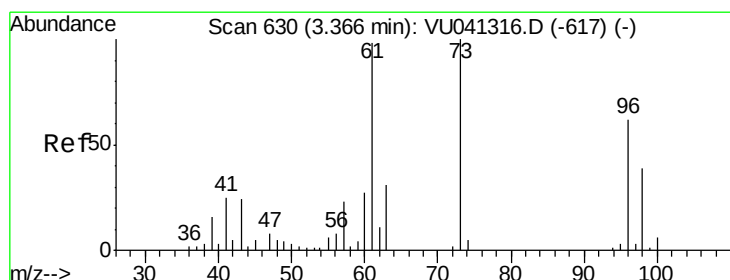
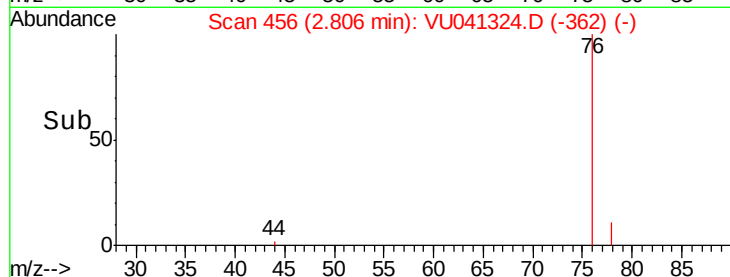
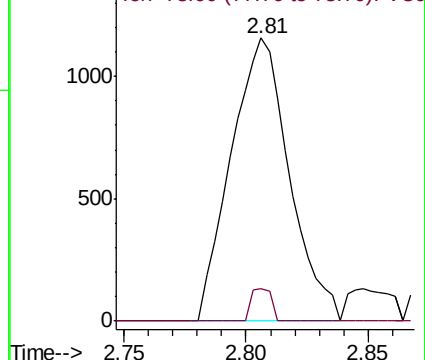
76 100

78 11.5 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#18

trans-1,2-Dichloroethene

Concen: 12.878 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041324.D

Acq: 18 Nov 2020 20:13

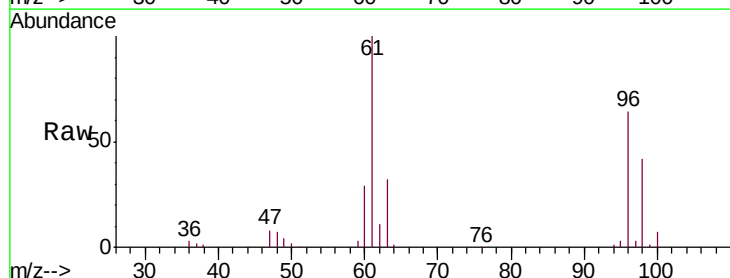
Tgt Ion: 96 Resp: 53601

Ion Ratio Lower Upper

96 100

61 156.1 110.9 205.9

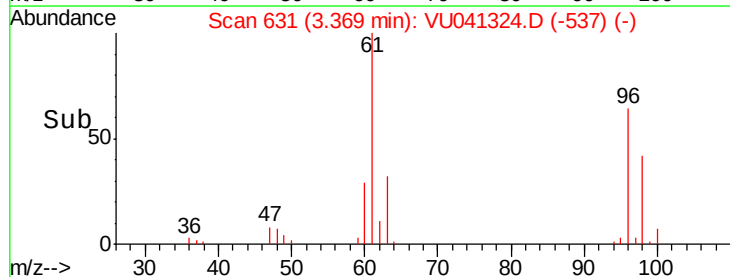
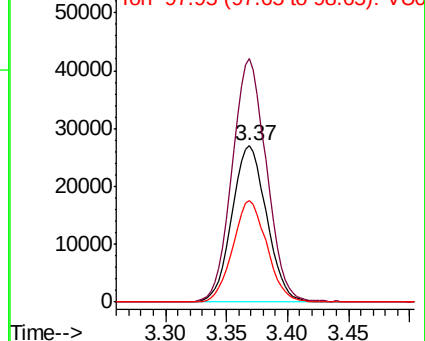
98 65.4 45.4 84.2

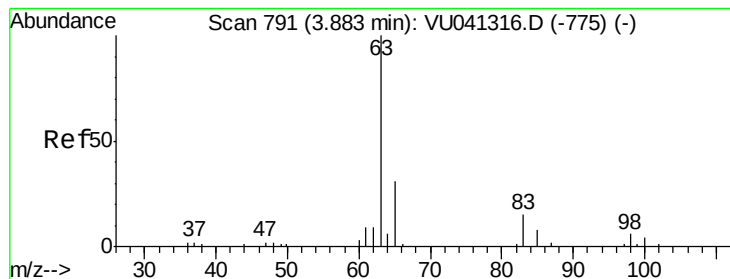


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 8.273 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041324.D

Acq: 18 Nov 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

H4420

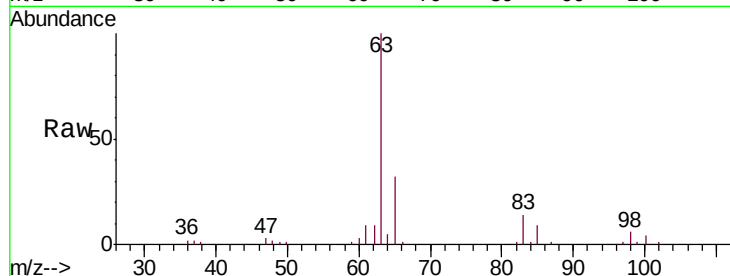
Tgt Ion: 63 Resp: 76988

Ion Ratio Lower Upper

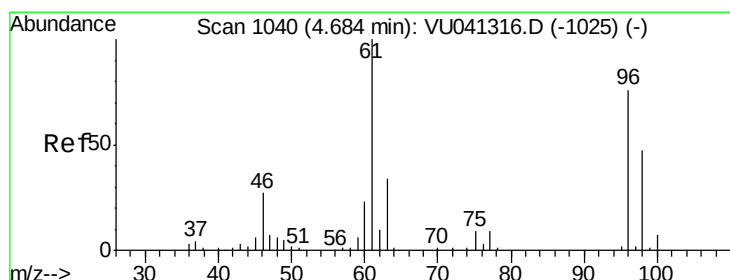
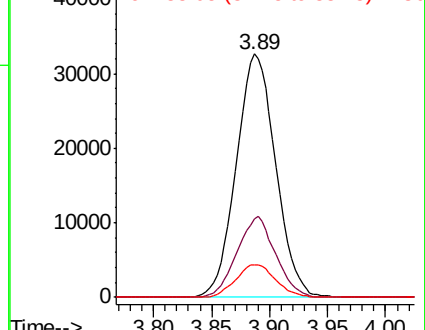
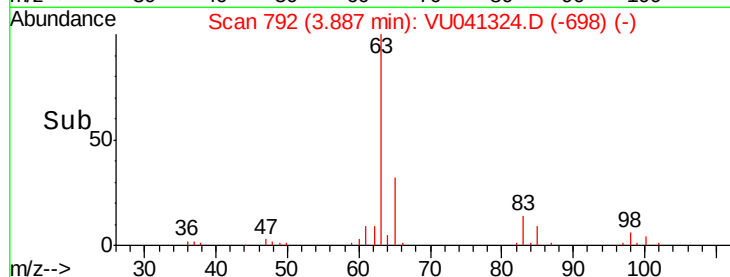
63 100

65 32.1 21.3 39.6

83 13.5 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041324.D (-698) (-)



#22

cis-1,2-Dichloroethene

Concen: 29.415 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041324.D

Acq: 18 Nov 2020 20:13

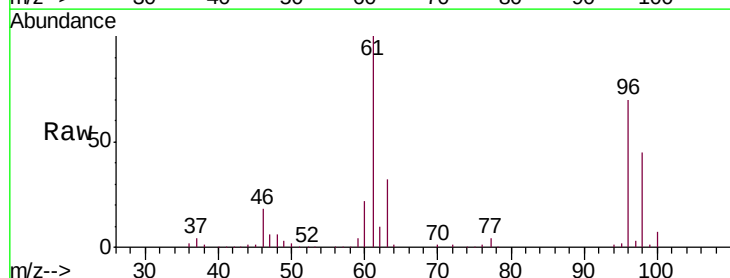
Tgt Ion: 96 Resp: 138268

Ion Ratio Lower Upper

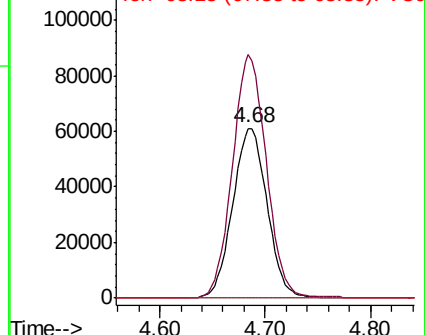
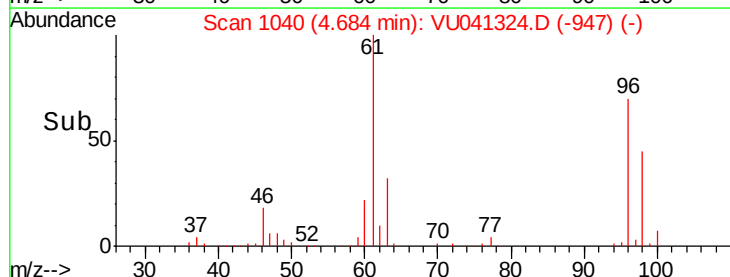
96 100

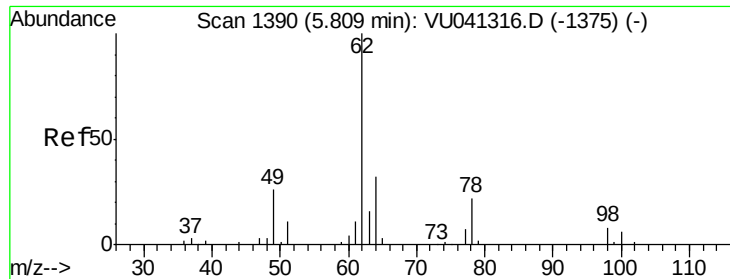
61 143.3 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041324.D (-947) (-)

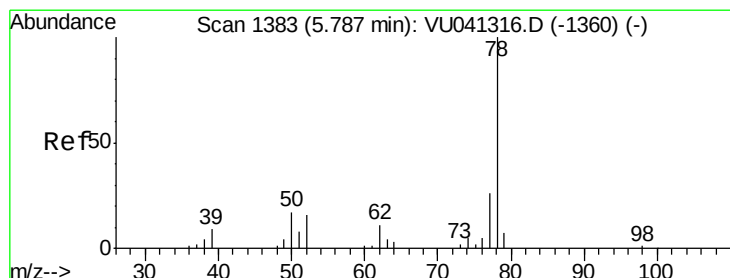
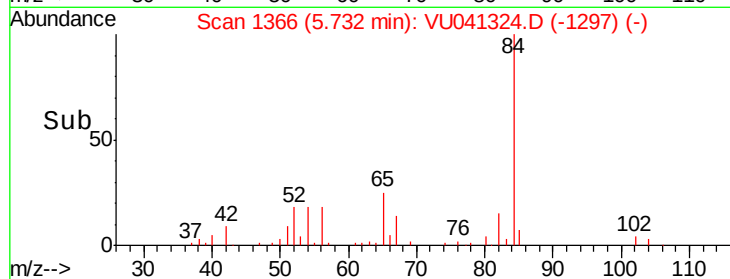
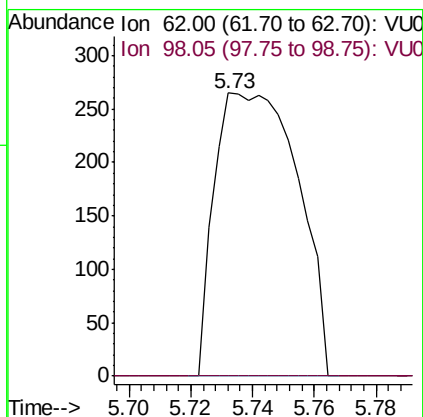
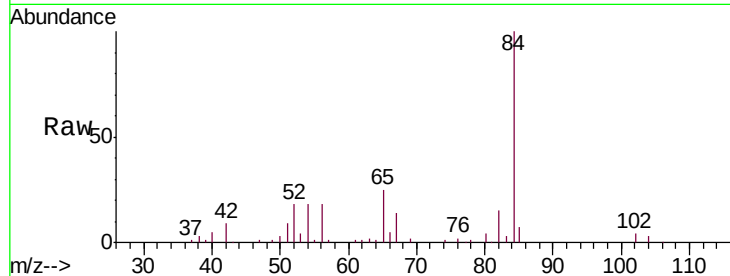




#27
 1,2-Dichloroethane
 Concen: 0.068 ug/L
 RT: 5.73 min Scan# 1366
 Delta R.T. -0.08 min
 Lab File: VU041324.D
 Acq: 18 Nov 2020 20:13

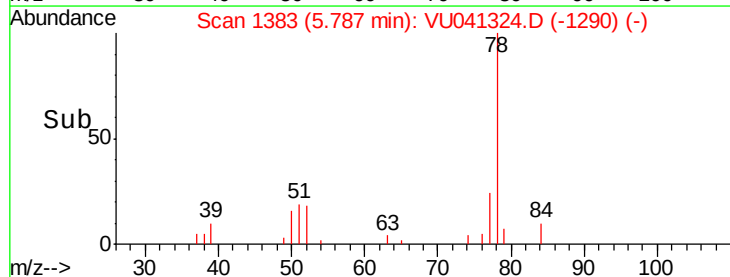
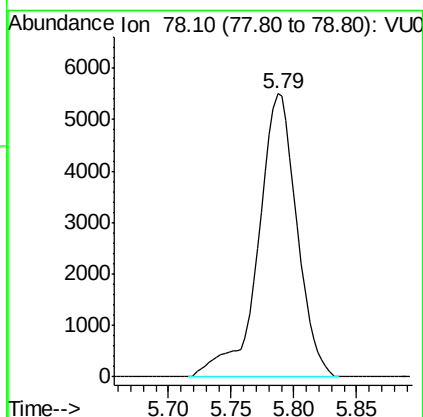
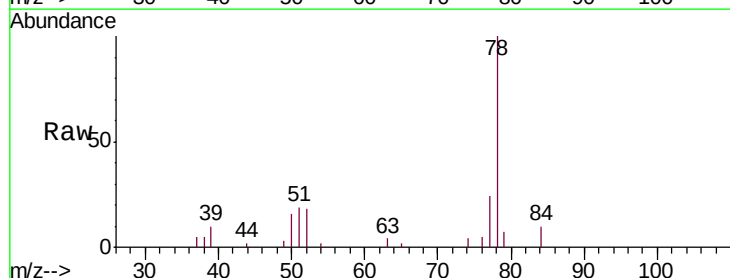
Instrument :
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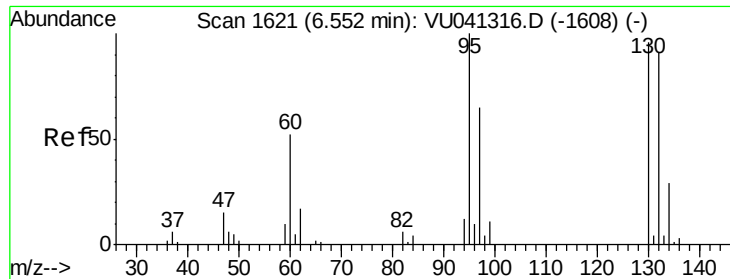
Tgt Ion: 62 Resp: 496
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.669 ug/L
 RT: 5.79 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VU041324.D
 Acq: 18 Nov 2020 20:13

Tgt Ion: 78 Resp: 11805





#34

Trichloroethene

Concen: 1.916 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041324.D

Acq: 18 Nov 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

H4420

Tgt Ion: 95 Resp: 9133

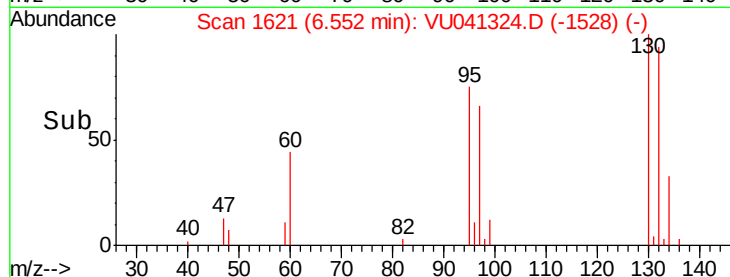
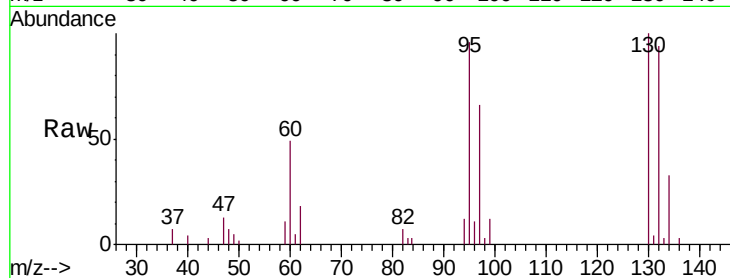
Ion Ratio Lower Upper

95 100

97 68.8 45.6 84.6

132 97.8 64.8 120.4

130 103.9 64.8 120.4

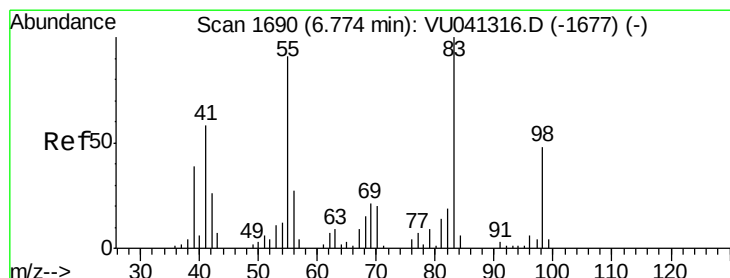
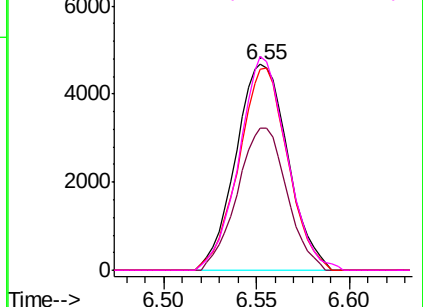


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 1.084 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041324.D

Acq: 18 Nov 2020 20:13

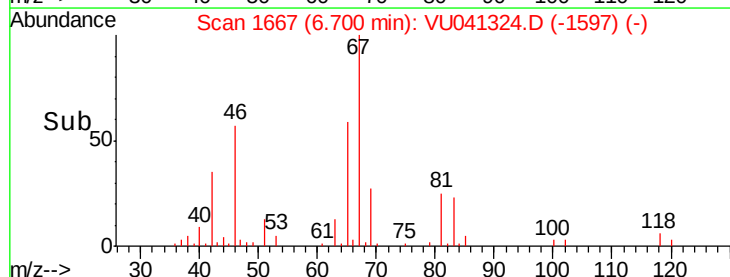
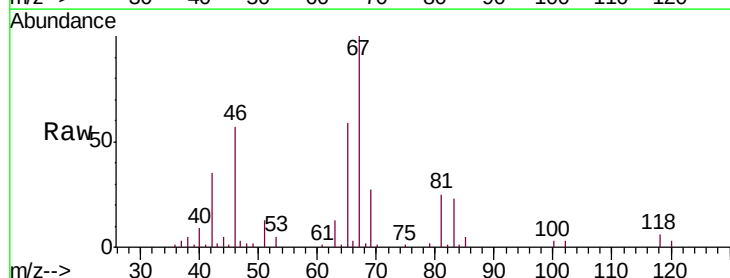
Tgt Ion: 83 Resp: 6866

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

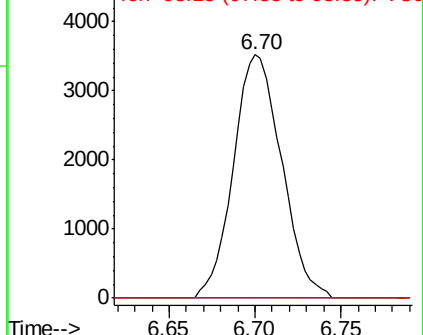
98 4.8 36.6 55.0#

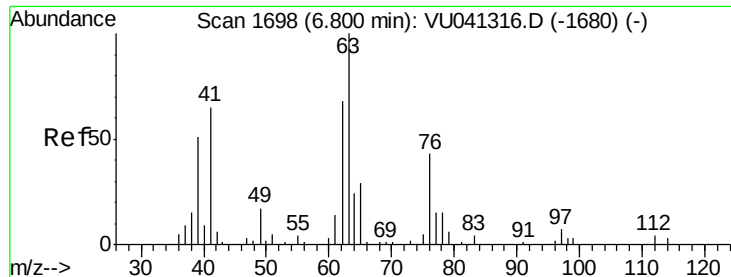


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

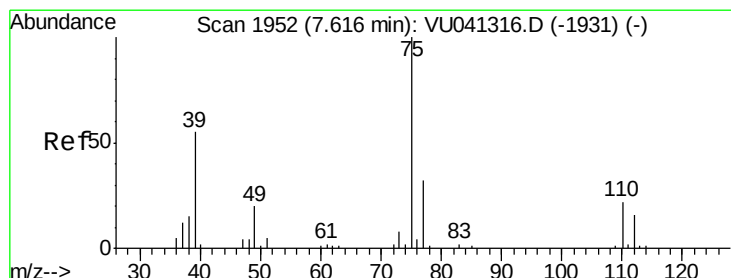
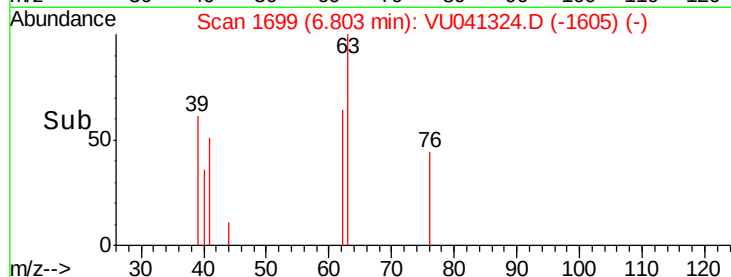
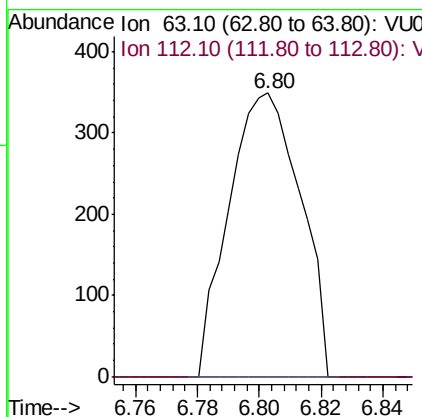
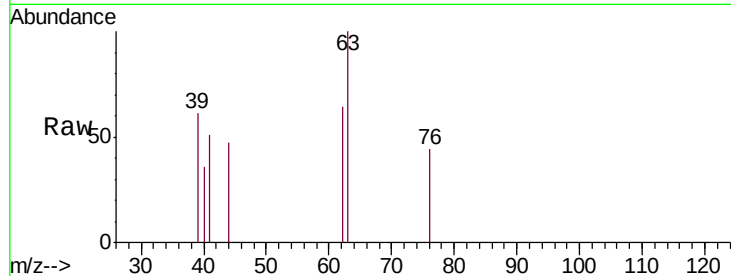




#37
 1,2-Dichloropropane
 Concen: 0.109 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041324.D
 Acq: 18 Nov 2020 20:13

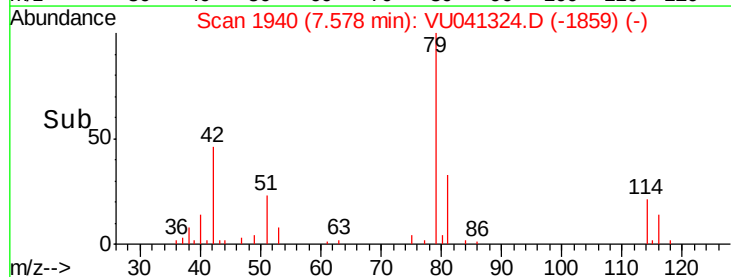
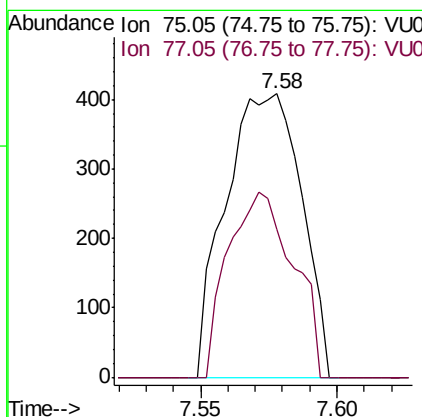
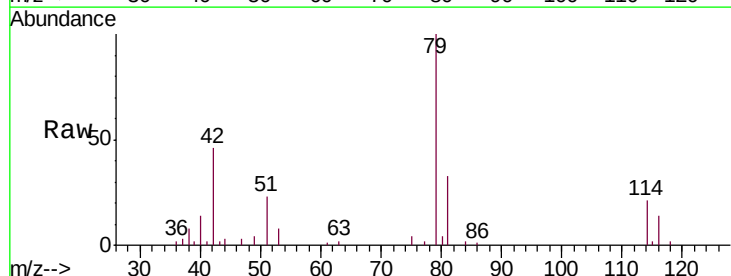
Instrument :
 MSVOA_U
 ClientSampleId :
 H4420

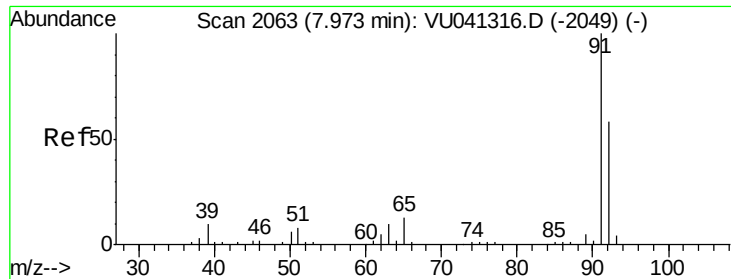
Tgt Ion: 63 Resp: 561
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041324.D
 Acq: 18 Nov 2020 20:13

Tgt Ion: 75 Resp: 790
 Ion Ratio Lower Upper
 75 100
 77 52.5 22.7 42.3#





#42

Toluene

Concen: 0.048 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041324.D

Acq: 18 Nov 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

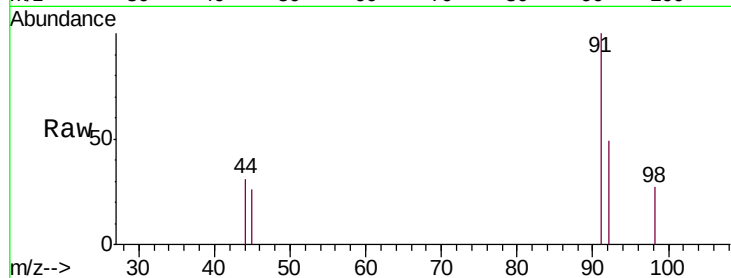
H4420

Tgt Ion: 91 Resp: 896

Ion Ratio Lower Upper

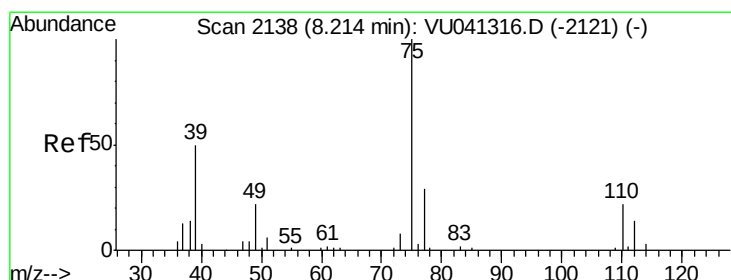
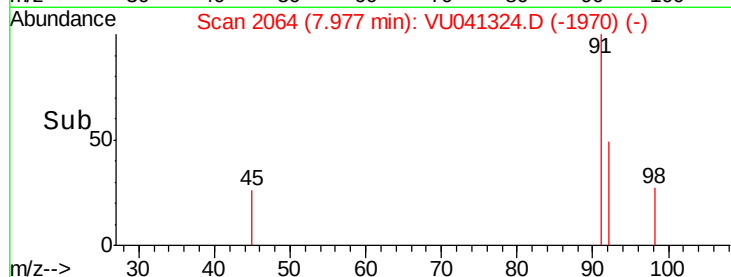
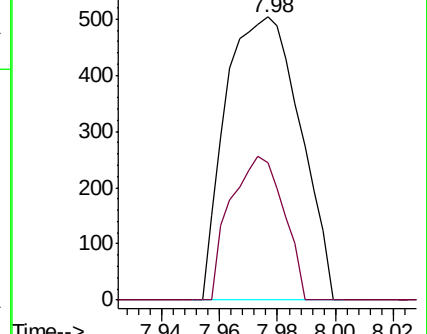
91 100

92 48.7 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041324.D

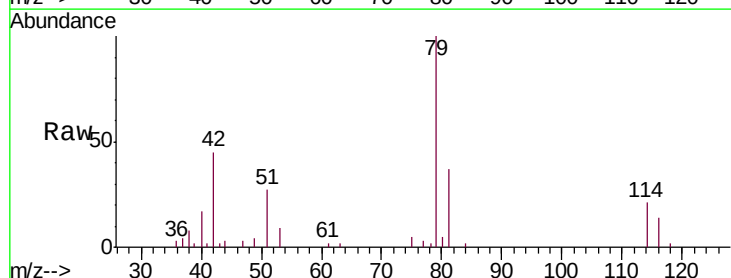
Acq: 18 Nov 2020 20:13

Tgt Ion: 75 Resp: 445

Ion Ratio Lower Upper

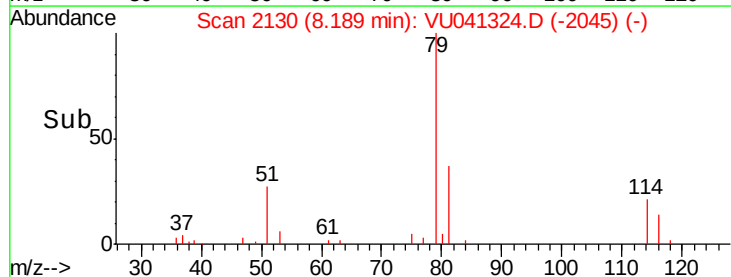
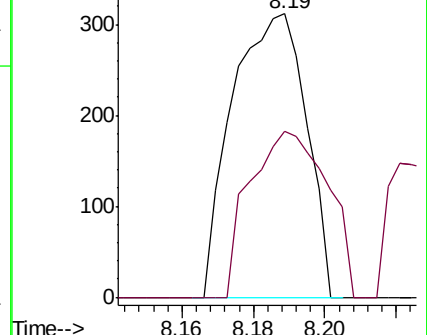
75 100

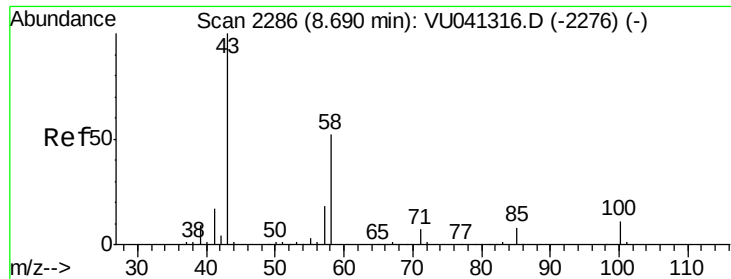
77 58.7 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

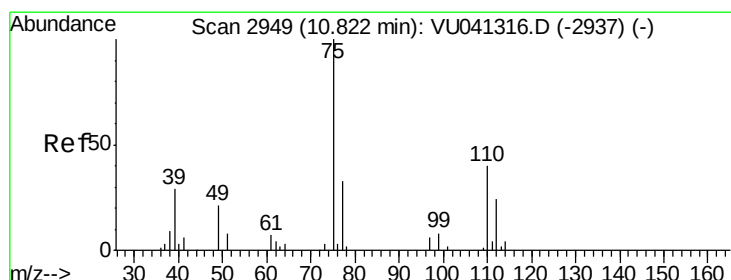
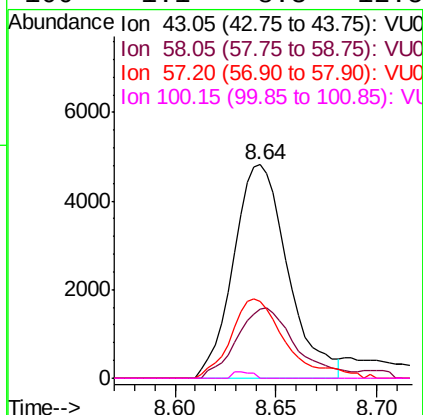
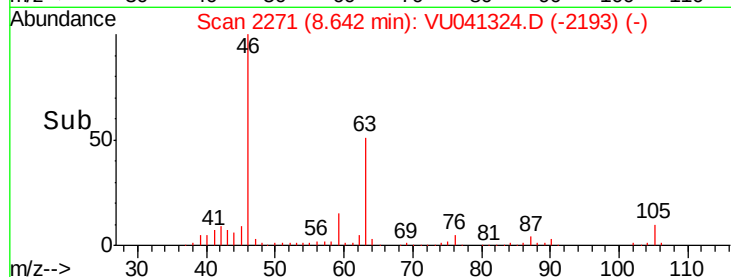
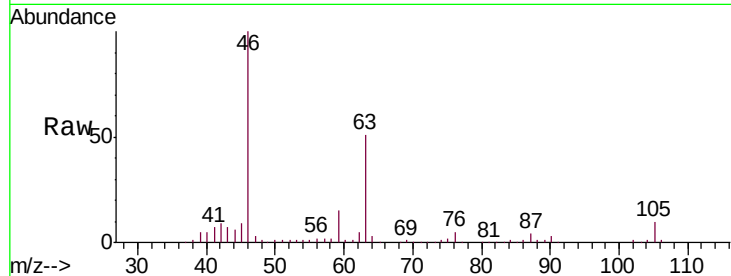




#48
 2-Hexanone
 Concen: 2.853 ug/L
 RT: 8.64 min Scan# 2271
 Delta R.T. -0.05 min
 Lab File: VU041324.D
 Acq: 18 Nov 2020 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 H4420

Tgt Ion:	43	Resp:	9087
Ion	Ratio	Lower	Upper
43	100		
58	35.4	41.4	62.2#
57	37.3	14.6	21.8#
100	1.1	8.3	12.5#



#59
 1,2,3-Trichloropropane
 Concen: 0.870 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU041324.D
 Acq: 18 Nov 2020 20:13

Tgt Ion:	75	Resp:	3538
Ion	Ratio	Lower	Upper
75	100		
77	37.6	25.7	38.5

