

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
 Data File : VU040391.D
 Acq On : 30 Sep 2020 12:10
 Operator : SY/MD
 Sample : L4186-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0E2

Quant Time: Oct 01 03:06:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 03:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125830	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128583	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58649	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28135	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.92	69	29255	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.58	63	46547	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.65	46	162551	52.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.06%
24) Chloroform-d	5.08	84	75226	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.72	65	47301	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.74	84	130290	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.70	67	48209	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.91	98	100516	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.19	79	18474	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.64	63	114199	50.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.62%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45647	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	46679	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

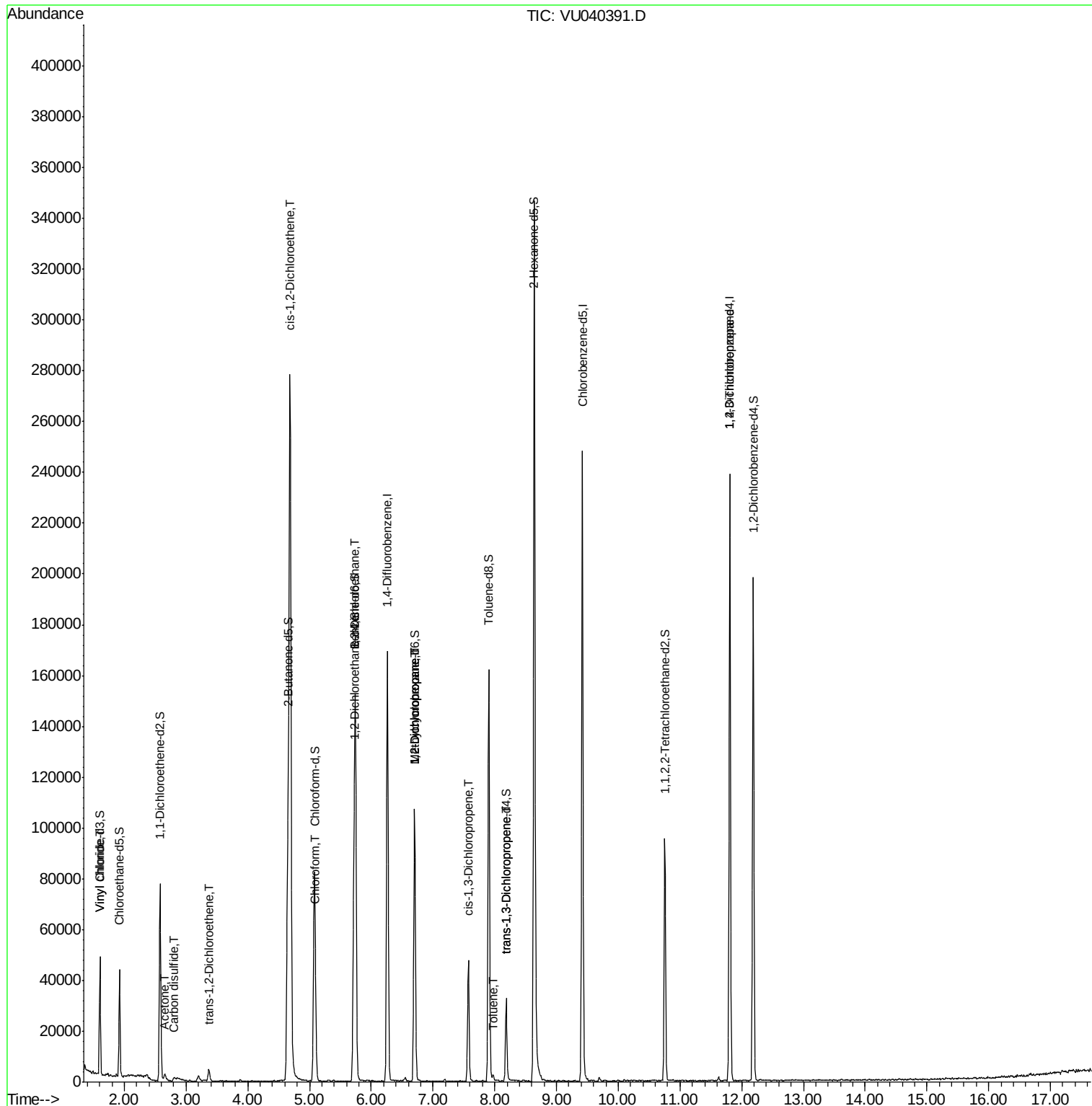
Target Compounds

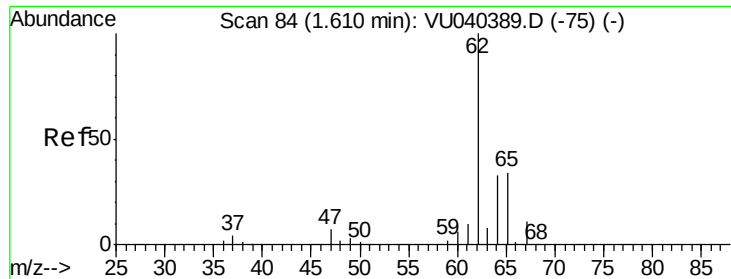
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	1558	0.128	ug/L #	52
13) Acetone	2.66	43	4572	1.773	ug/L	94
14) Carbon disulfide	2.81	76	1578	0.052	ug/L #	93
18) trans-1,2-Dichloroethene	3.37	96	1859	0.188	ug/L	92
22) cis-1,2-Dichloroethene	4.68	96	124042	11.316	ug/L	97
25) Chloroform	5.11	83	2430	0.117	ug/L	91
27) 1,2-Dichloroethane	5.74	62	799	0.056	ug/L #	74
35) Methylcyclohexane	6.70	83	10611	0.632	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5431	0.452	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1414	0.088	ug/L #	66
42) Toluene	7.97	91	1550	0.035	ug/L #	75
44) trans-1,3-Dichloropropene	8.19	75	832	0.056	ug/L #	59
59) 1,2,3-Trichloropropane	11.81	75	8030	0.923	ug/L #	87

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

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.128 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040391.D

Acq: 30 Sep 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

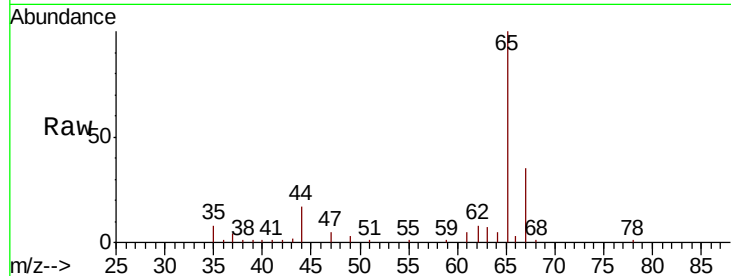
BG0E2

Tot Ion: 62 Resp: 1558

Ion Ratio Lower Upper

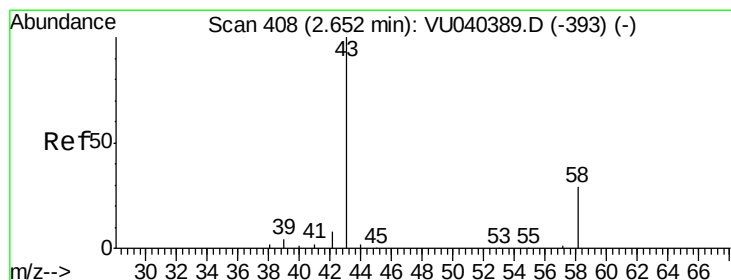
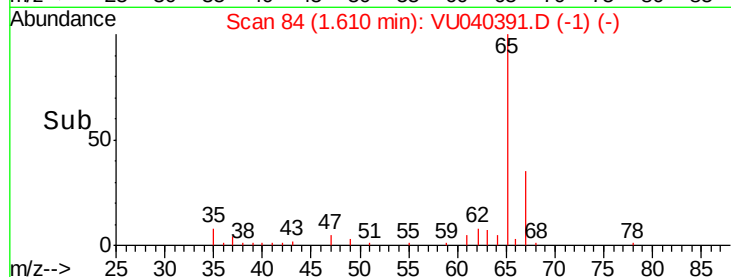
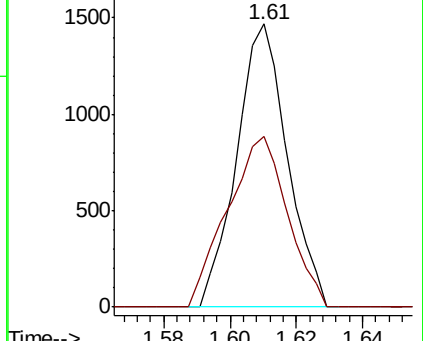
62 100

64 60.1 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#13

Acetone

Concen: 1.773 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU040391.D

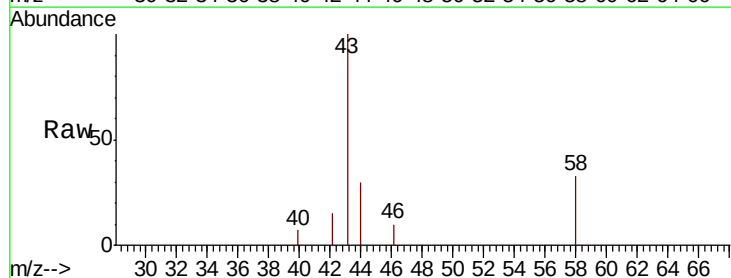
Acq: 30 Sep 2020 12:10

Tgt Ion: 43 Resp: 4572

Ion Ratio Lower Upper

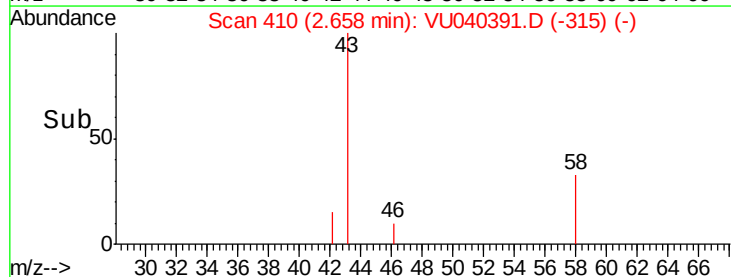
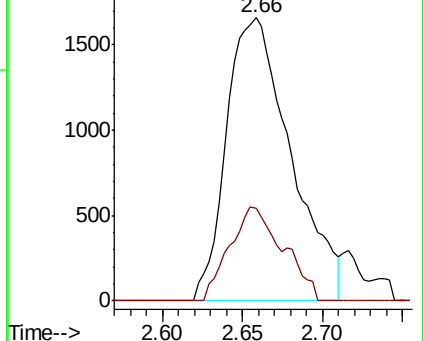
43 100

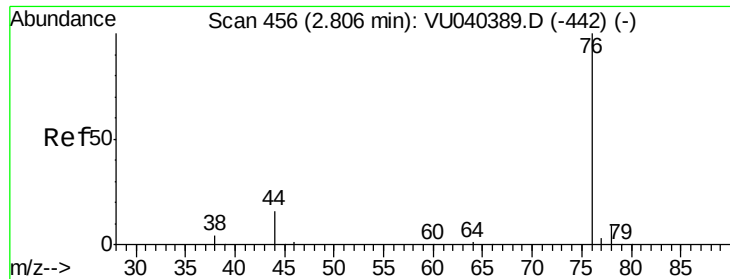
58 27.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.052 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040391.D

Acq: 30 Sep 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

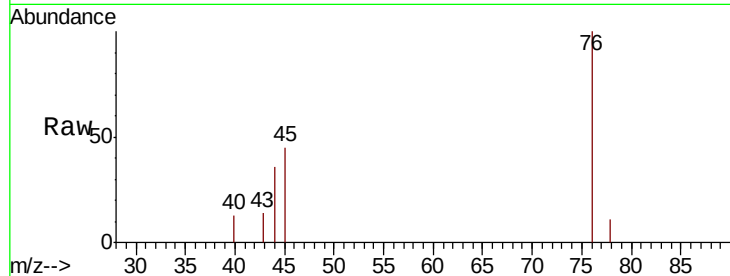
BG0E2

Tot Ion: 76 Resp: 1578

Ion Ratio Lower Upper

76 100

78 11.5 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

1000

800

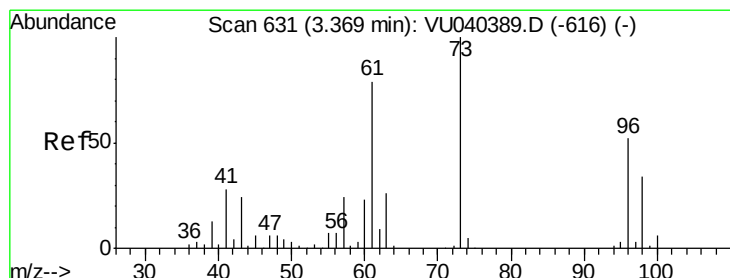
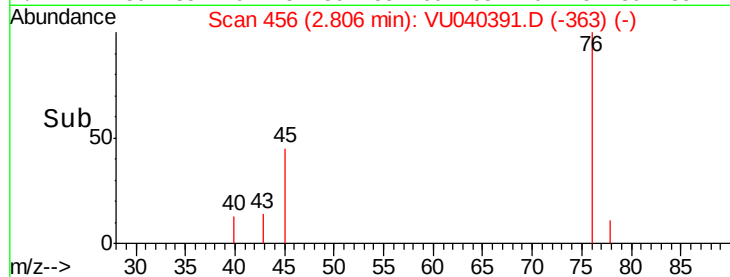
600

400

200

0

Time--> 2.75 2.80 2.85



#18

trans-1,2-Dichloroethene

Concen: 0.188 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040391.D

Acq: 30 Sep 2020 12:10

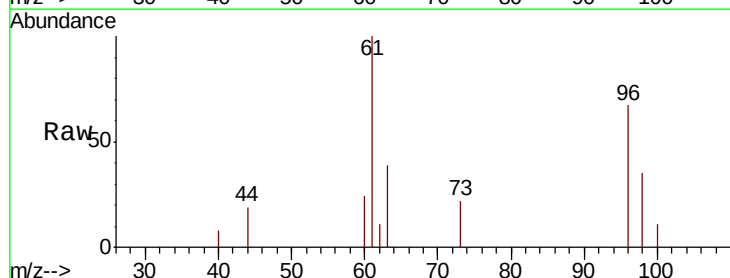
Tgt Ion: 96 Resp: 1859

Ion Ratio Lower Upper

96 100

61 149.9 109.3 203.1

98 52.2 45.8 85.0



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

2000

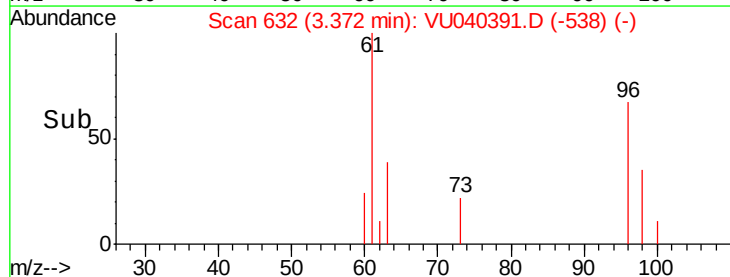
1500

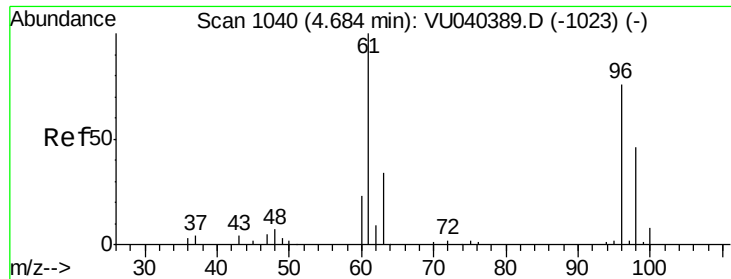
1000

500

0

Time--> 3.35 3.40





#22

cis-1,2-Dichloroethene

Concen: 11.316 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040391.D

Acq: 30 Sep 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

BG0E2

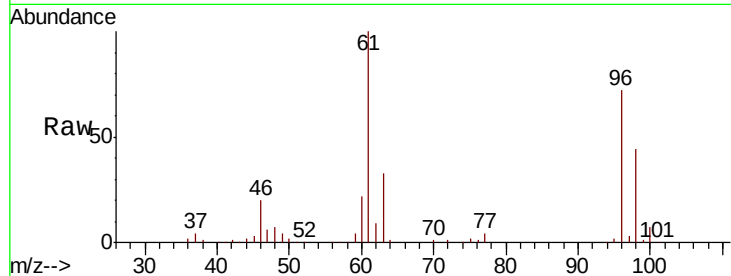
Tot Ion: 96 Resp: 124042

Ion Ratio Lower Upper

96 100

61 138.0 99.3 184.5

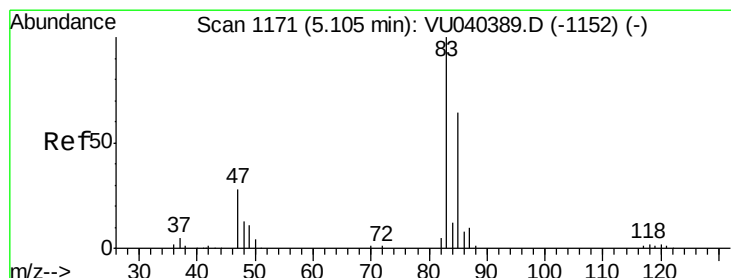
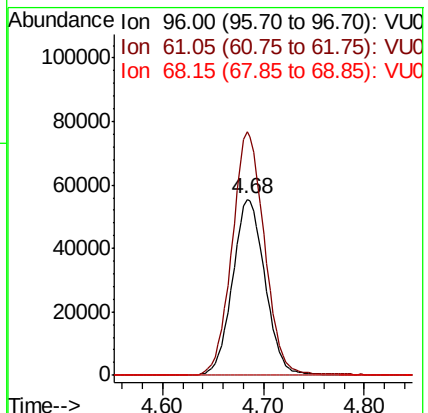
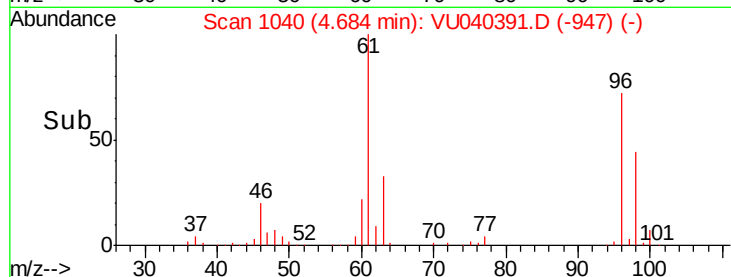
68 0.0 0.0 0.0



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: 0.117 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040391.D

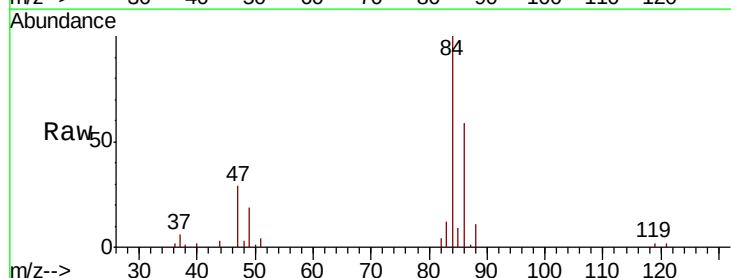
Acq: 30 Sep 2020 12:10

Tgt Ion: 83 Resp: 2430

Ion Ratio Lower Upper

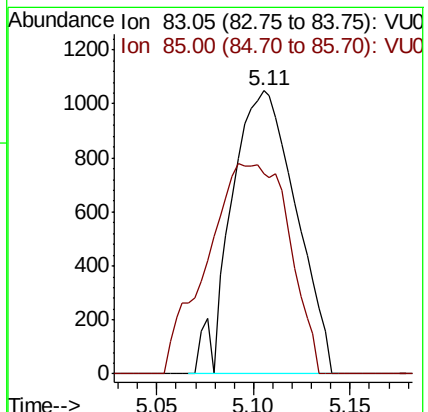
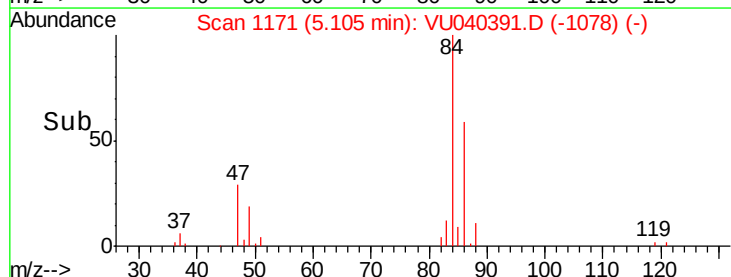
83 100

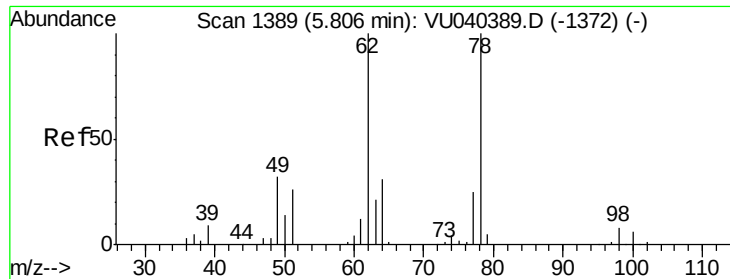
85 70.9 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

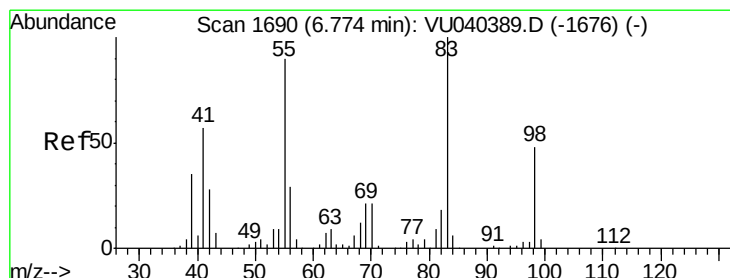
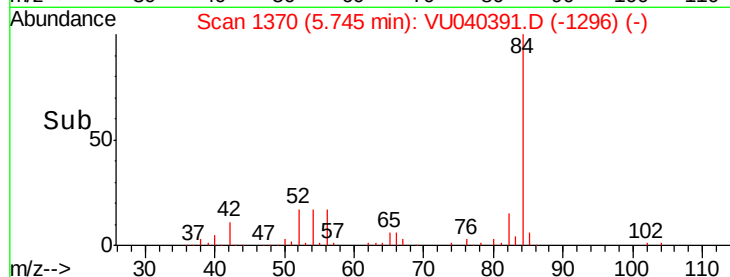
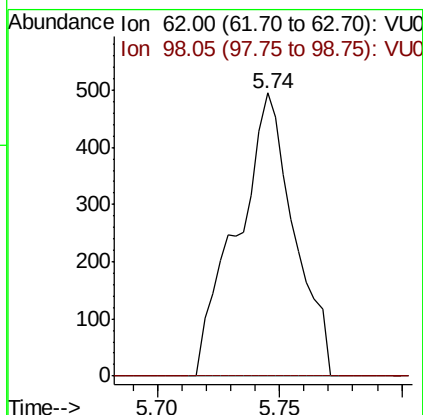
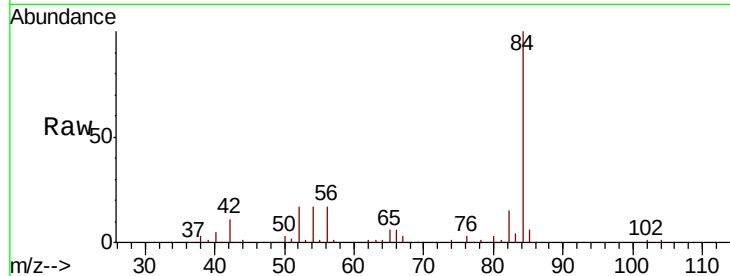




#27
 1,2-Dichloroethane
 Concen: 0.056 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040391.D
 Acq: 30 Sep 2020 12:10

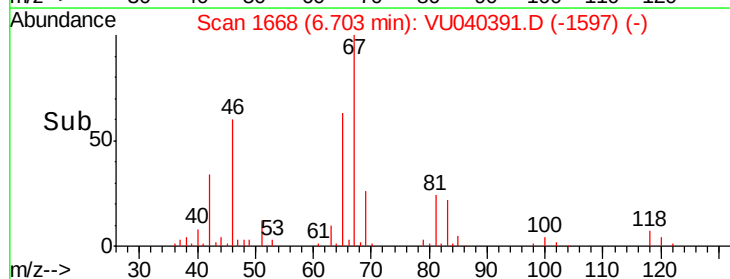
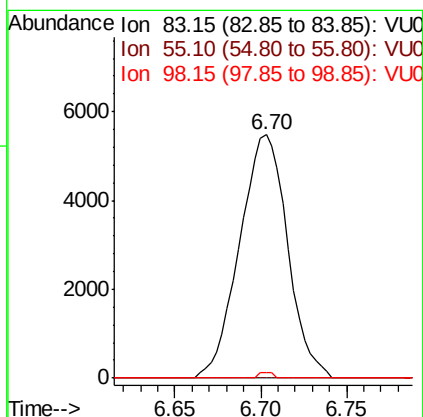
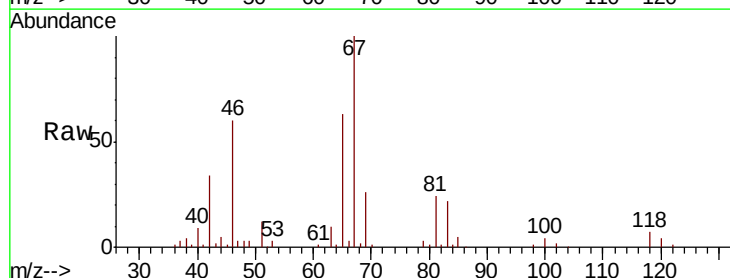
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0E2

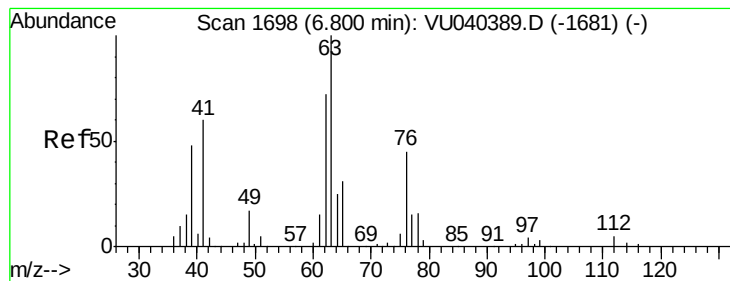
Tot Ion: 62.00 Resp: 799
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.5 11.3#



#35
 Methylcyclohexane
 Concen: 0.632 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040391.D
 Acq: 30 Sep 2020 12:10

Tgt Ion: 83 Resp: 10611
 Ion Ratio Lower Upper
 83 100
 55 0.0 71.4 107.2#
 98 0.7 38.5 57.7#

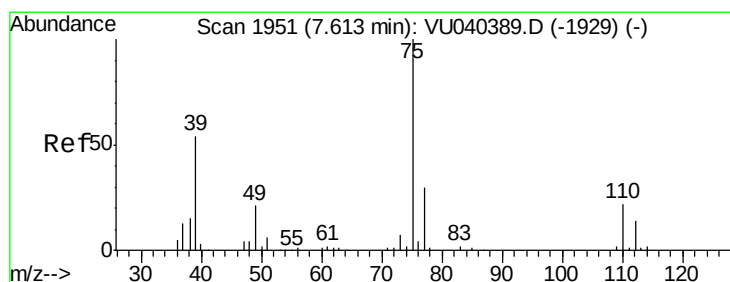
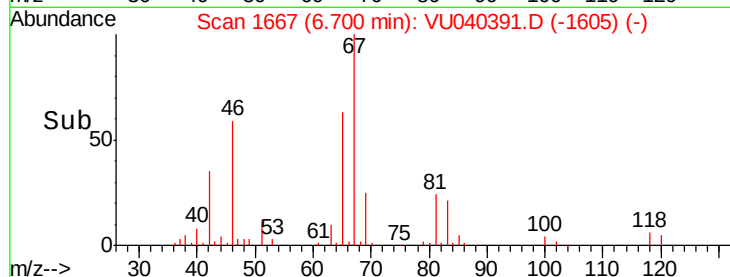
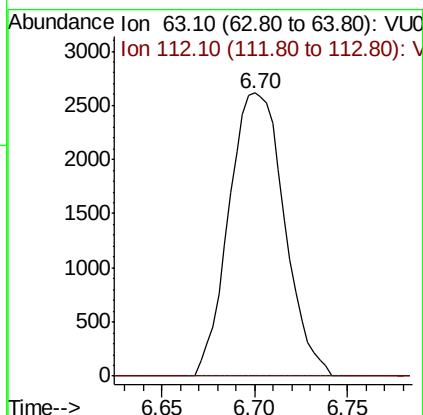
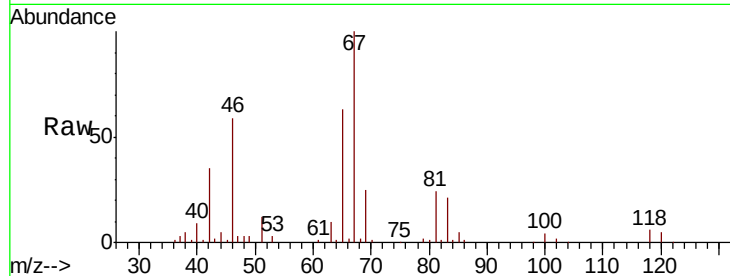




#37
 1,2-Dichloropropane
 Concen: 0.452 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040391.D
 Acq: 30 Sep 2020 12:10

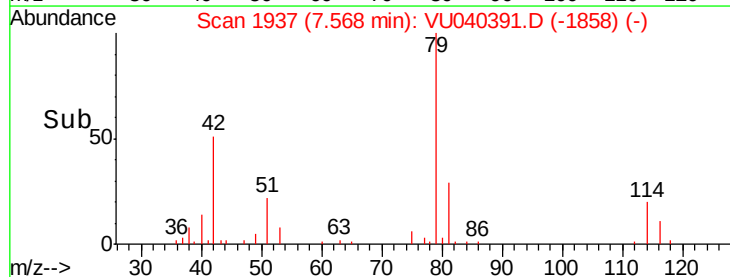
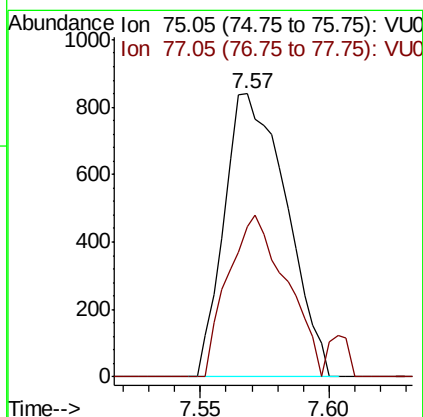
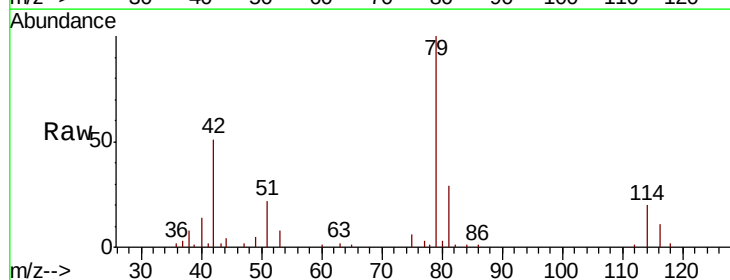
Instrument :
 MSVOA_U
 ClientSampleId :
 BG0E2

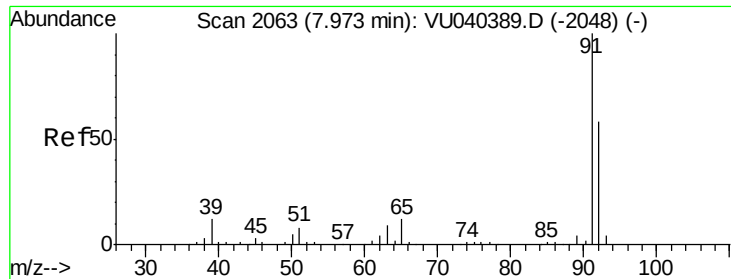
Tot Ion: 63 Resp: 5431
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU040391.D
 Acq: 30 Sep 2020 12:10

Tgt Ion: 75 Resp: 1414
 Ion Ratio Lower Upper
 75 100
 77 52.9 23.5 43.7#





#42

Toluene

Concen: 0.035 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040391.D

Acq: 30 Sep 2020 12:10

Instrument :

MSVOA_U

ClientSampleID :

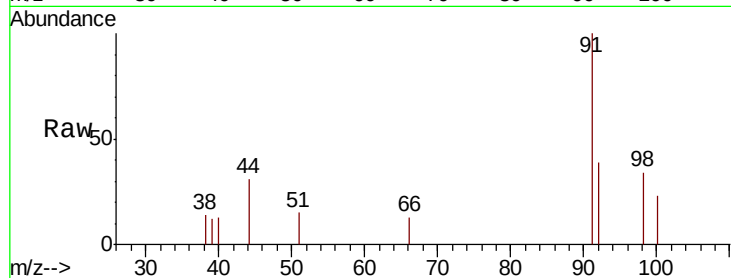
BG0E2

Tot Ion: 91 Resp: 1550

Ion Ratio Lower Upper

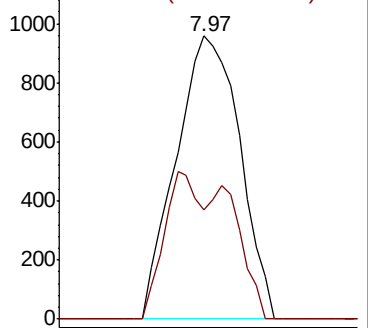
91 100

92 38.8 40.0 74.4#

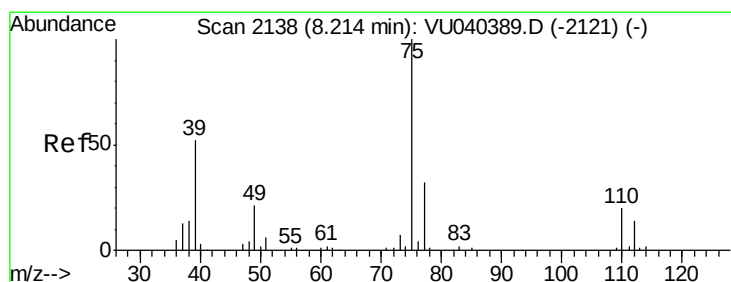
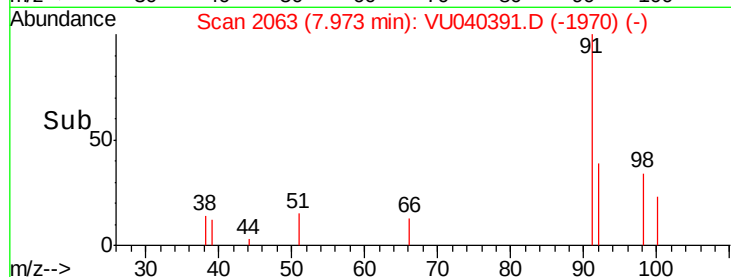


Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.056 ug/L

RT: 8.19 min Scan# 2131

Delta R.T. -0.02 min

Lab File: VU040391.D

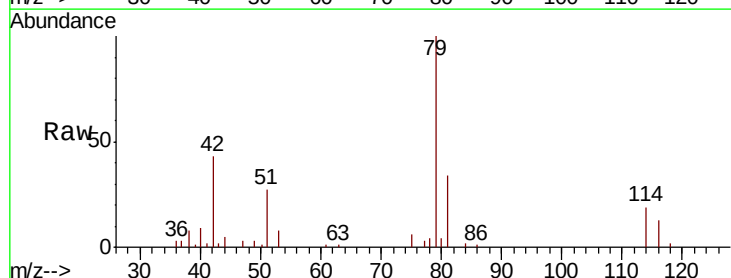
Acq: 30 Sep 2020 12:10

Tgt Ion: 75 Resp: 832

Ion Ratio Lower Upper

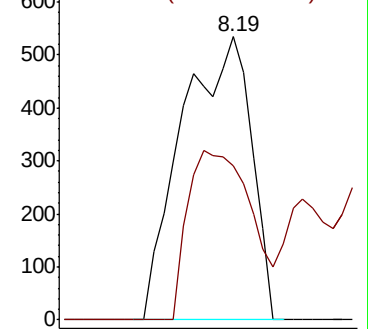
75 100

77 54.7 22.3 41.3#

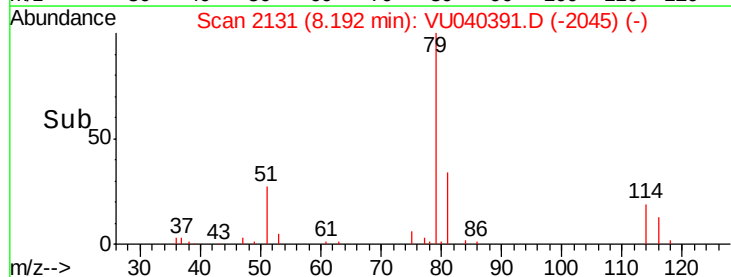


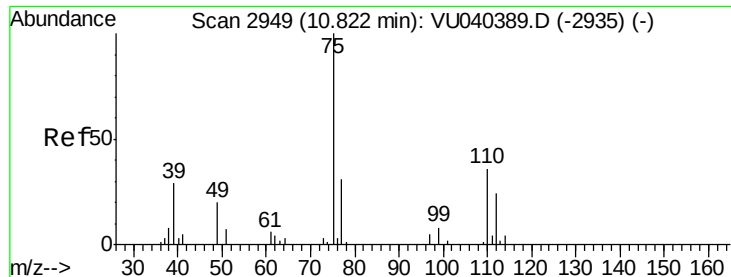
Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time-->





#59

1,2,3-Trichloropropane

Concen: 0.923 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040391.D

Acq: 30 Sep 2020 12:10

Instrument :

MSVOA_U

ClientSampleId :

BG0E2

Tot Ion: 75 Resp: 8030

Ion Ratio Lower Upper

75 100

77 39.2 25.7 38.5#

