

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041355.D
 Acq On : 19 Nov 2020 19:59
 Operator : SY/MD
 Sample : L4790-20MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4419MSD

Quant Time: Nov 20 07:53:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 20 05:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58978	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	60407	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24814	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19375	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.92	69	18645	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.58	63	47234	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.40%
20) 2-Butanone-d5	4.66	46	100872	56.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.78%
24) Chloroform-d	5.08	84	53740	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.40%
26) 1,2-Dichloroethane-d4	5.72	65	34904	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.00%
32) Benzene-d6	5.74	84	92949	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.20%
36) 1,2-Dichloropropane-d6	6.70	67	32795	5.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.80%
41) Toluene-d8	7.91	98	78085	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	8.18	79	12777	5.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.80%
46) 2-Hexanone-d5	8.64	63	72939	56.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.08%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	30117	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	31039	6.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	128.20%#

Target Compounds

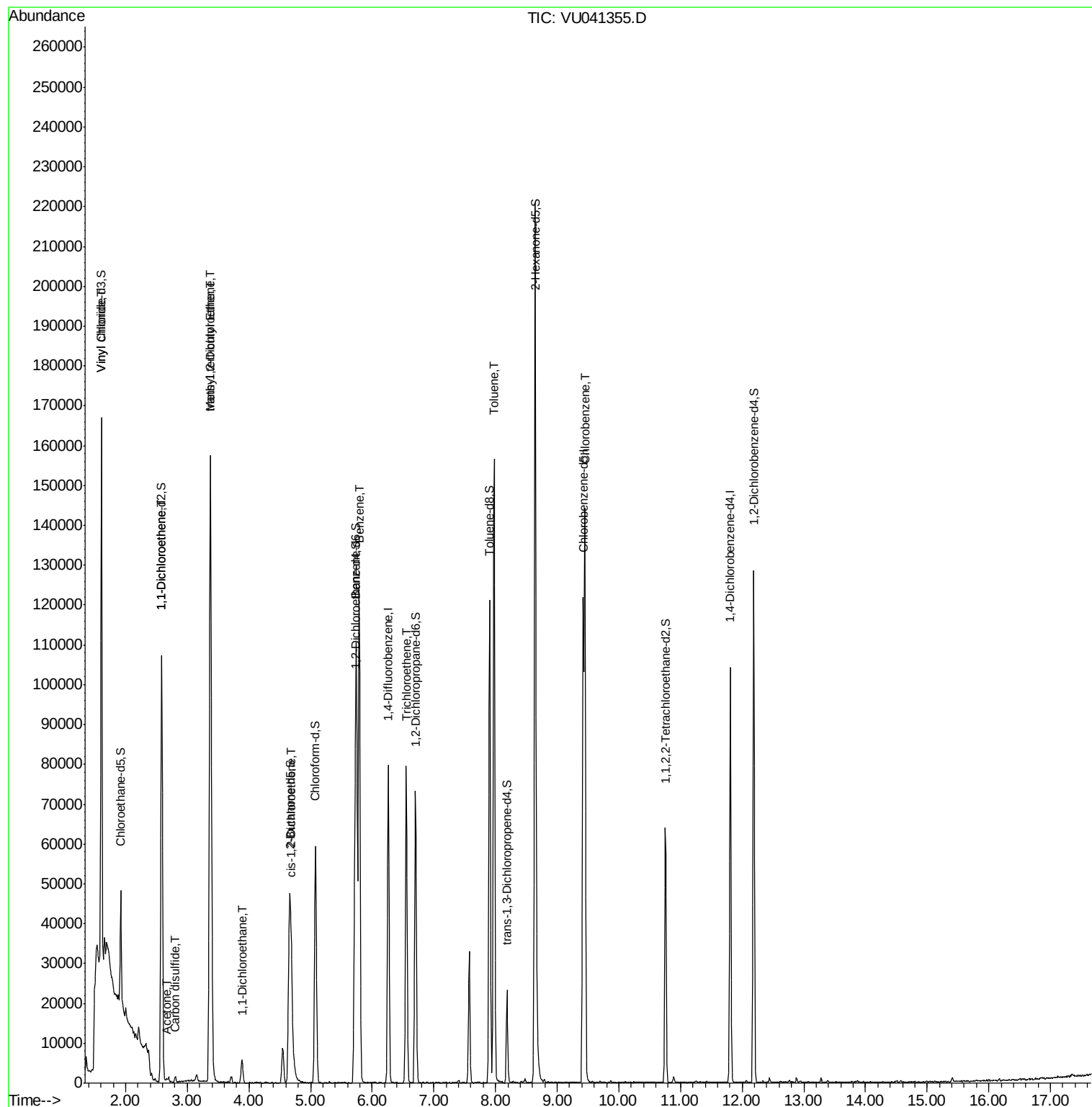
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	72124	14.087	ug/L #	57
12) 1,1-Dichloroethene	2.59	96	23783	6.195	ug/L	96
13) Acetone	2.67	43	1386	1.168	ug/L	94
14) Carbon disulfide	2.81	76	2010	0.178	ug/L #	89
17) Methyl tert-butyl Ether	3.38	73	121286	11.539	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	21900	5.857	ug/L	99
19) 1,1-Dichloroethane	3.89	63	6826	0.817	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	5987	1.418	ug/L	83
33) Benzene	5.79	78	111587	6.816	ug/L	100
34) Trichloroethene	6.55	95	26910	6.082	ug/L	98
42) Toluene	7.98	91	107359	6.137	ug/L	99
51) Chlorobenzene	9.45	112	69983	6.039	ug/L	100

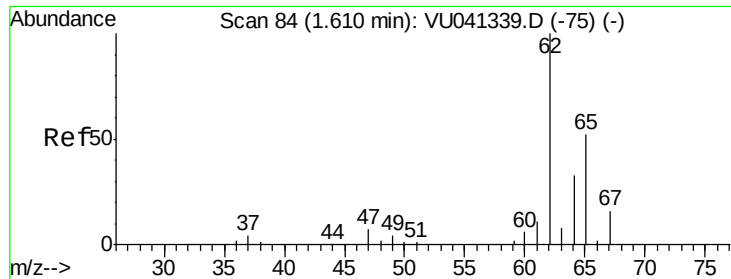
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 20 05:56:10 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.087 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041355.D

Acq: 19 Nov 2020 19:59

Instrument :

MSVOA_U

ClientSampled :

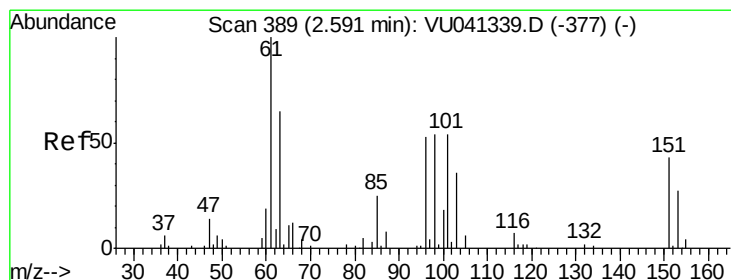
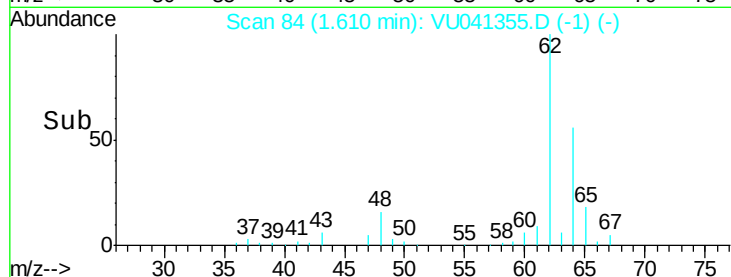
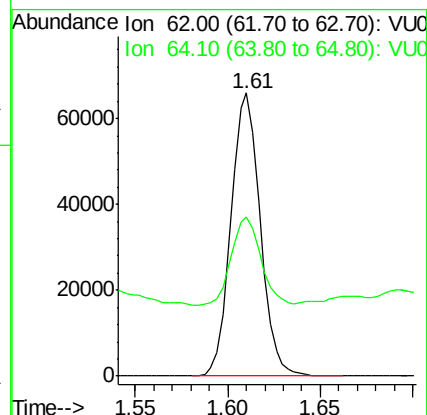
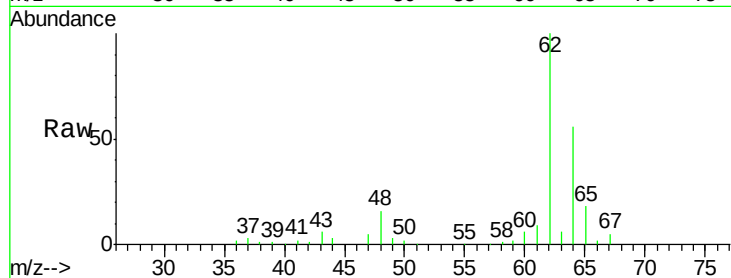
H4419MSD

Tot Ion: 62 Resp: 72124

Ion Ratio Lower Upper

62 100

64 56.4 22.7 42.3#



#12

1,1-Dichloroethene

Concen: 6.195 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041355.D

Acq: 19 Nov 2020 19:59

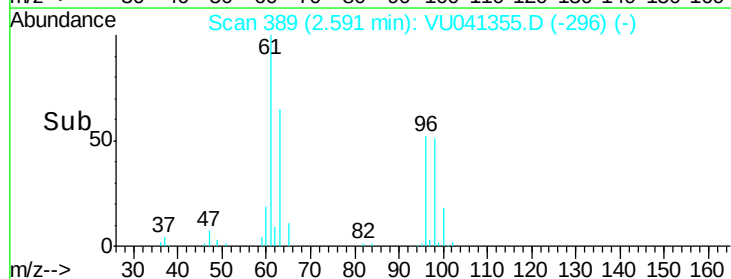
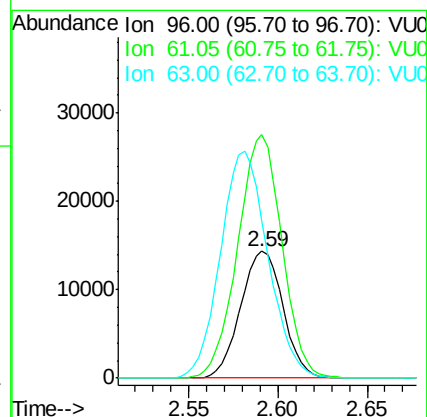
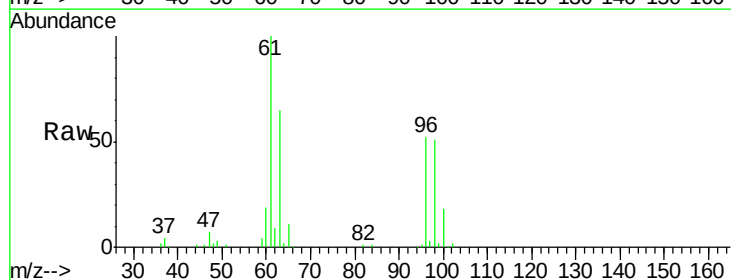
Tgt Ion: 96 Resp: 23783

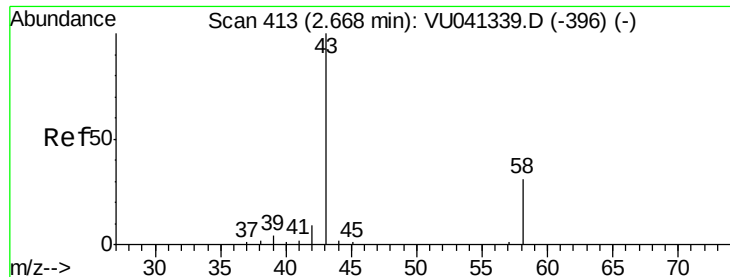
Ion Ratio Lower Upper

96 100

61 192.4 134.3 249.5

63 124.3 95.0 176.4





#13

Acetone

Concen: 1.168 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU041355.D

Acq: 19 Nov 2020 19:59

Instrument :

MSVOA_U

ClientSampleId :

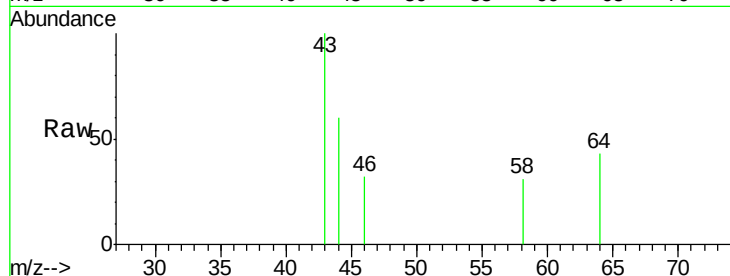
H4419MSD

Tot Ion: 43 Resp: 1386

Ion Ratio Lower Upper

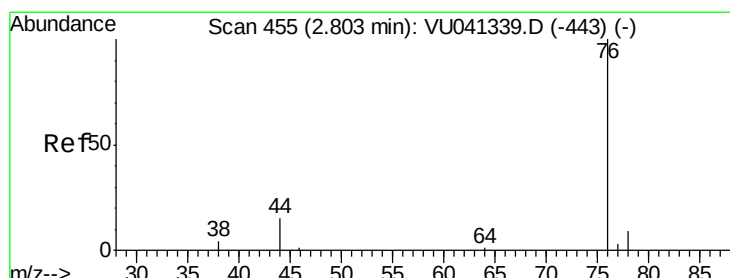
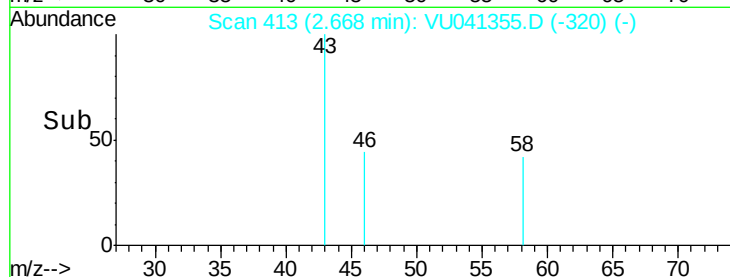
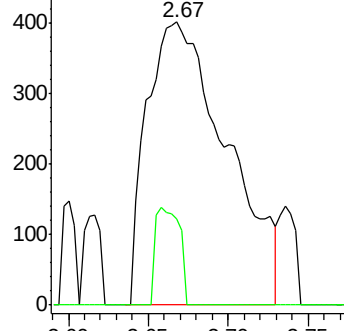
43 100

58 10.5 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.178 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041355.D

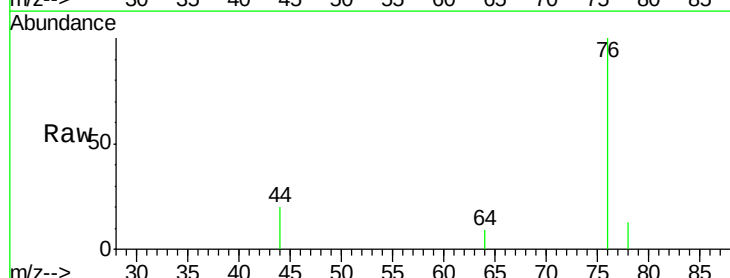
Acq: 19 Nov 2020 19:59

Tgt Ion: 76 Resp: 2010

Ion Ratio Lower Upper

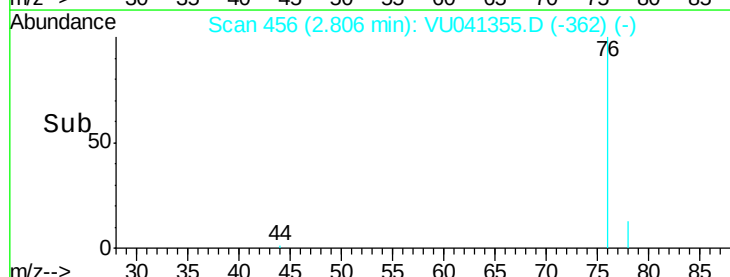
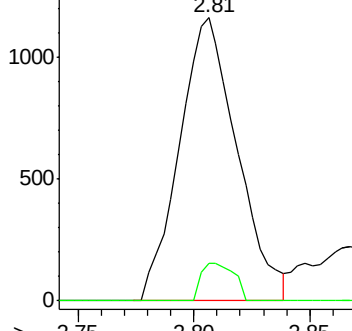
76 100

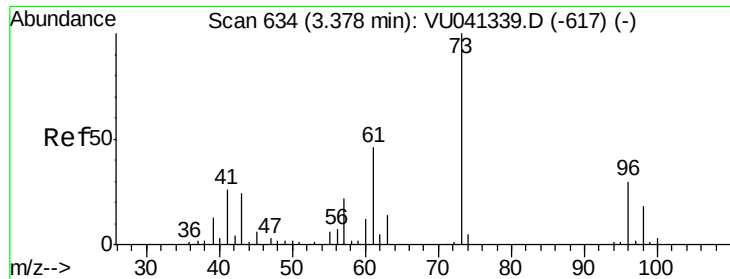
78 13.3 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

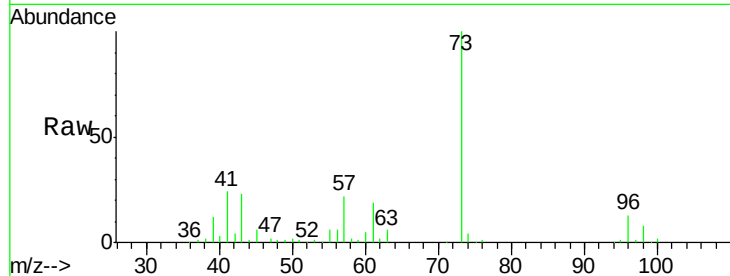




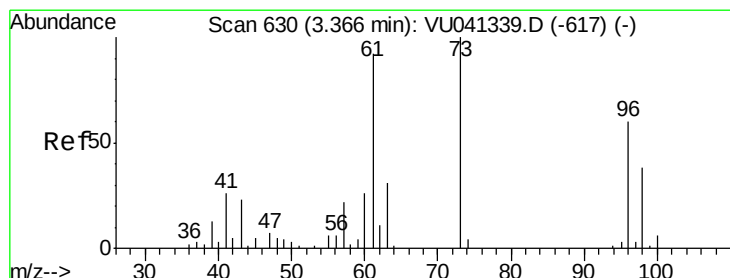
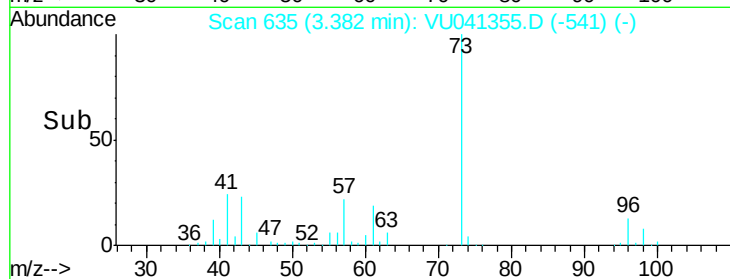
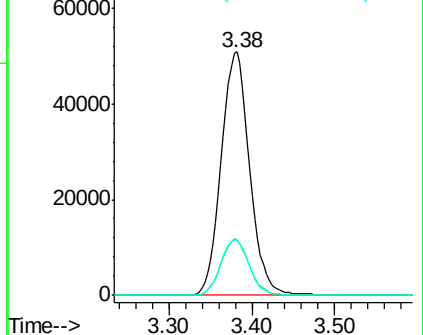
#17
Methyl tert-butyl Ether
Concen: 11.539 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

Instrument :
MSVOA_U
ClientSampleId :
H4419MSD

Tot Ion: 73 Resp: 121286
Ion Ratio Lower Upper
73 100
43 22.8 18.5 27.7
57 22.8 18.4 27.6

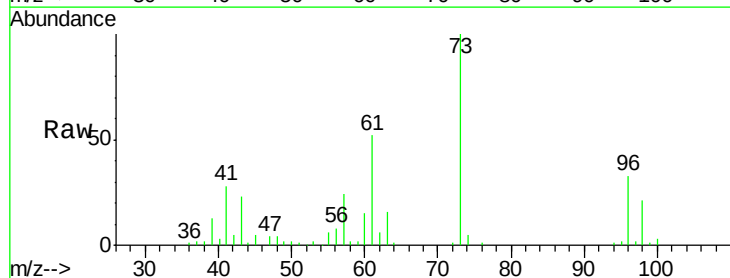


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

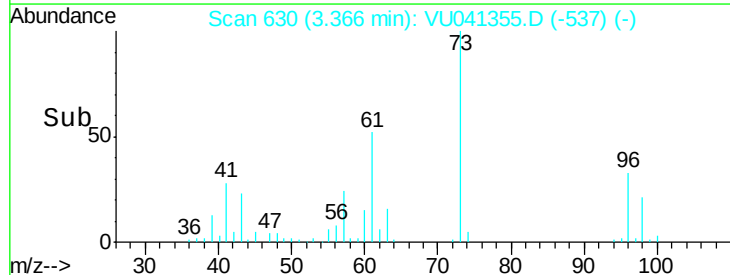
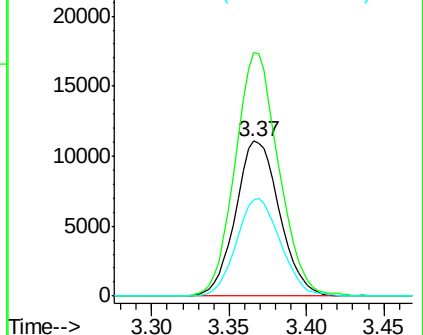


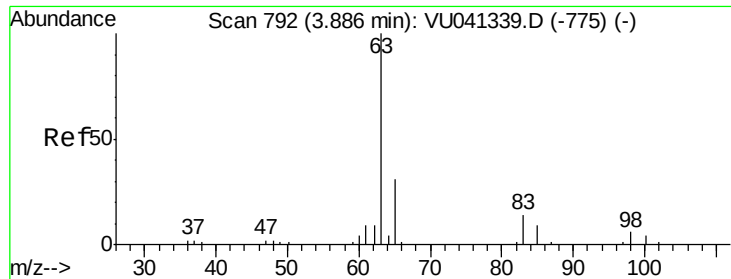
#18
trans-1,2-Dichloroethene
Concen: 5.857 ug/L
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

Tgt Ion: 96 Resp: 21900
Ion Ratio Lower Upper
96 100
61 157.4 110.9 205.9
98 62.3 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

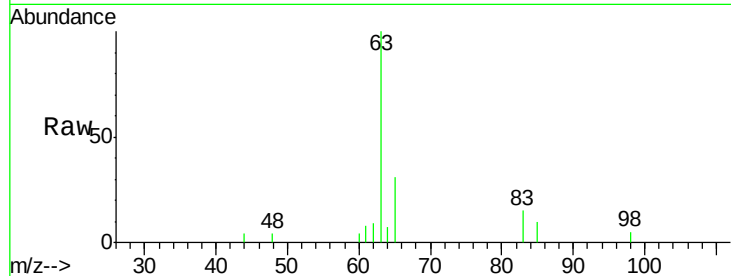




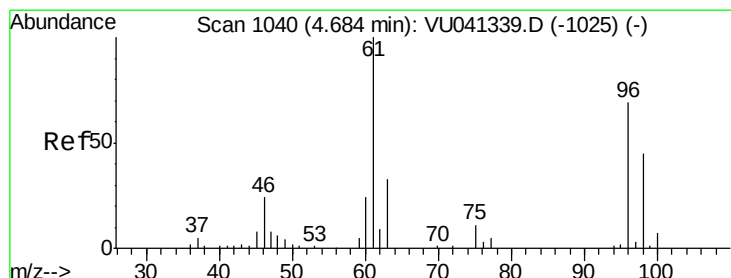
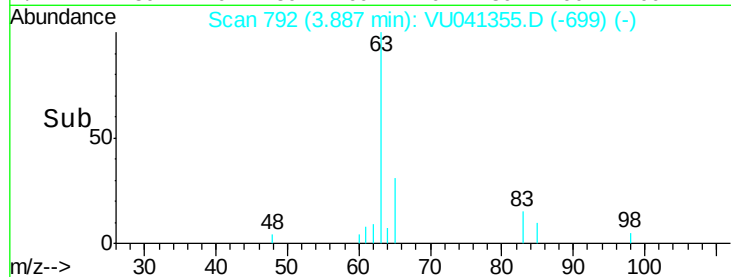
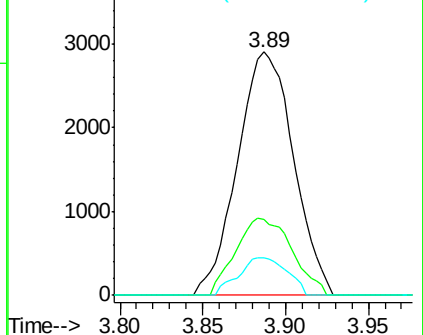
#19
 1,1-Dichloroethane
 Concen: 0.817 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041355.D
 Acq: 19 Nov 2020 19:59

Instrument :
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 H4419MSD

Tot Ion: 63 Resp: 6826
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.3 39.6
 83 15.3 8.8 16.3

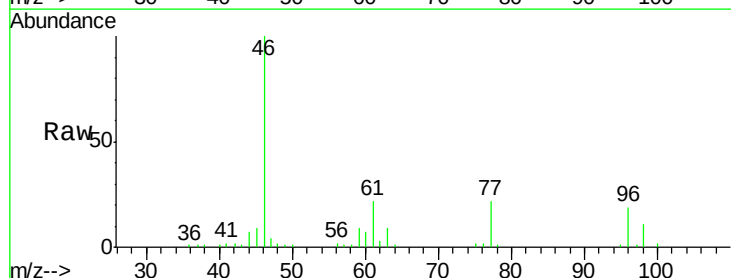


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

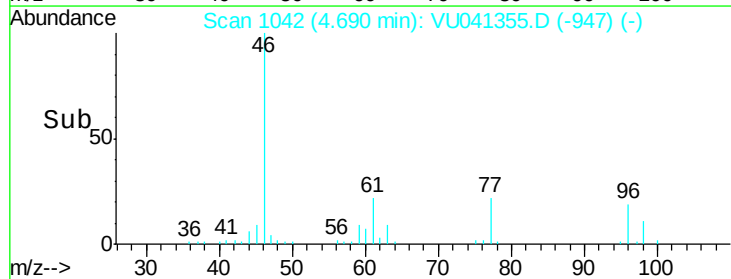
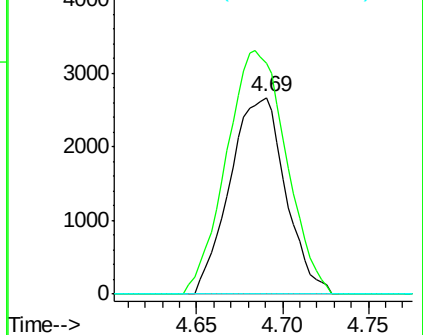


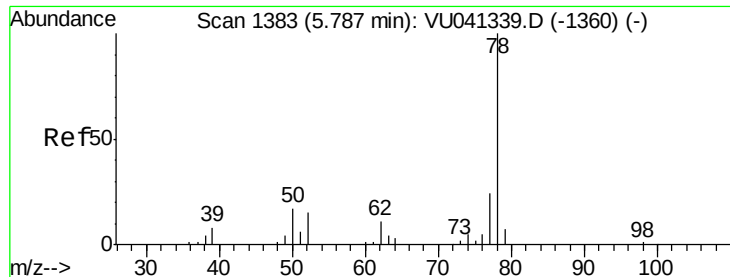
#22
 cis-1,2-Dichloroethene
 Concen: 1.418 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU041355.D
 Acq: 19 Nov 2020 19:59

Tgt Ion: 96 Resp: 5987
 Ion Ratio Lower Upper
 96 100
 61 117.8 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

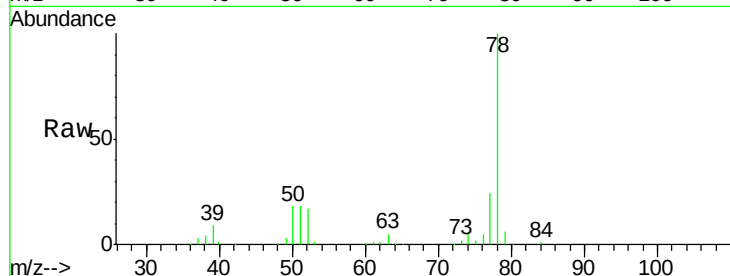




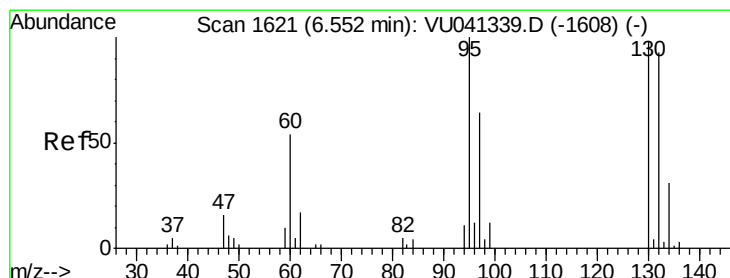
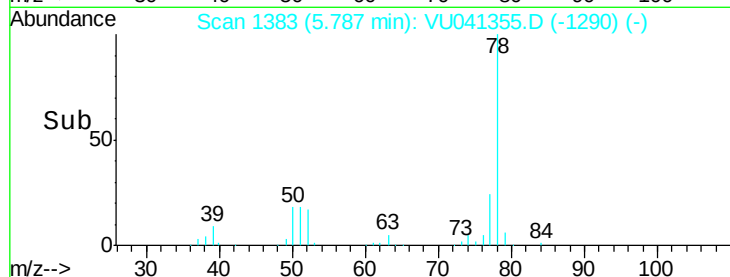
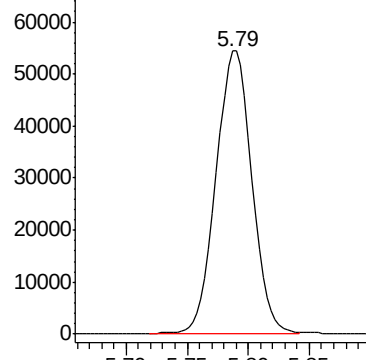
#33
Benzene
Concen: 6.816 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

Instrument :
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H4419MSD

Tgt Ion: 78 Resp: 111587

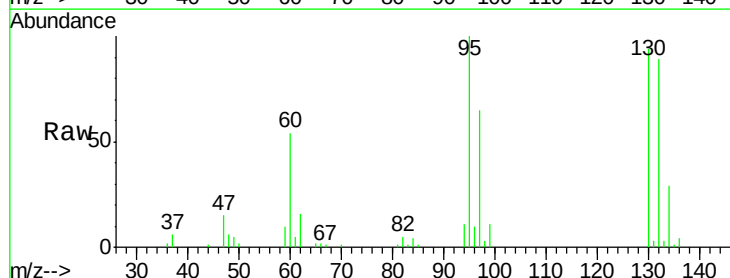


Abundance Ion 78.10 (77.80 to 78.80): VU0



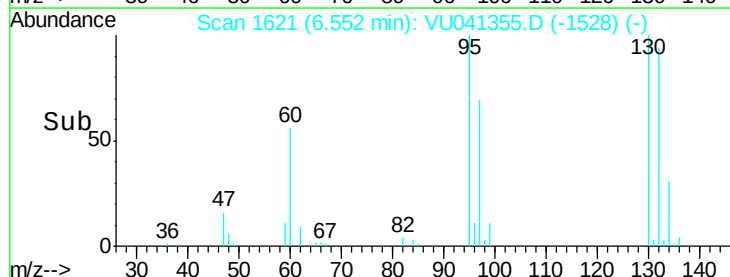
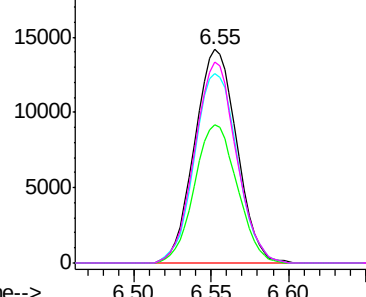
#34
Trichloroethene
Concen: 6.082 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

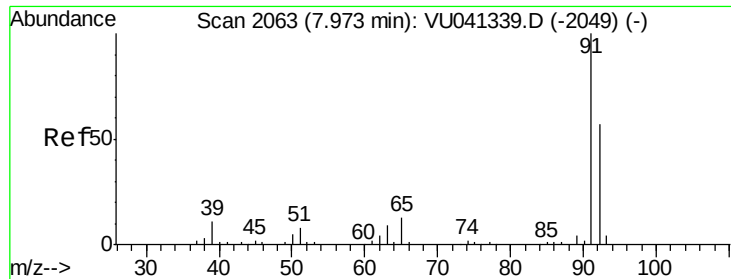
Tgt Ion: 95 Resp: 26910
Ion Ratio Lower Upper
95 100
97 64.6 45.6 84.6
132 88.6 64.8 120.4
130 94.1 64.8 120.4



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





#42

Toluene

Concen: 6.137 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041355.D

Acq: 19 Nov 2020 19:59

Instrument :

MSVOA_U

ClientSampleId :

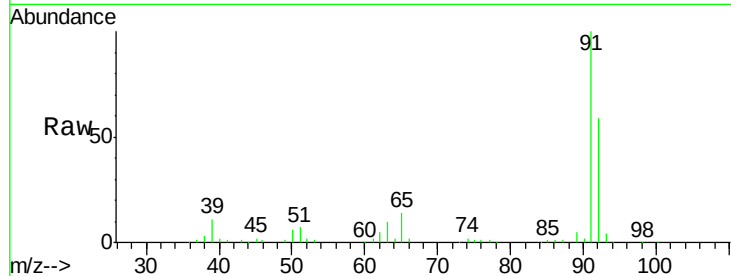
H4419MSD

Tot Ion: 91 Resp: 107359

Ion Ratio Lower Upper

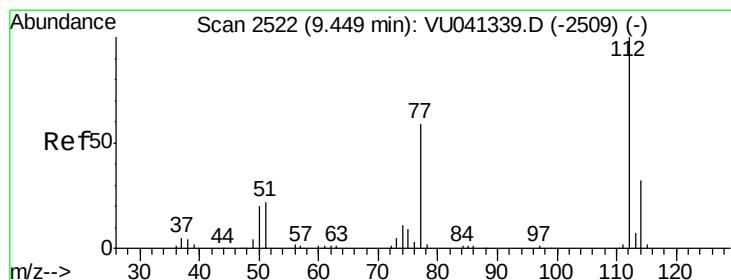
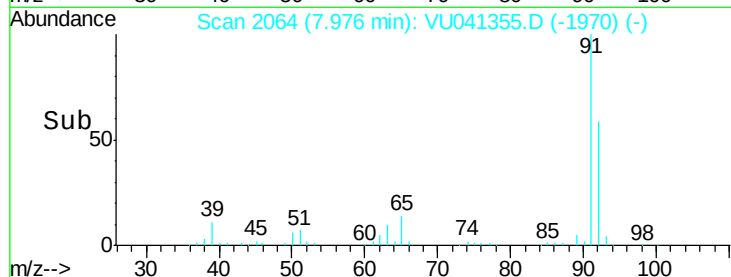
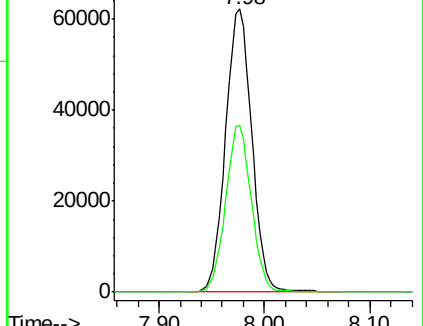
91 100

92 58.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041339.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041339.D (-2049) (-)



#51

Chlorobenzene

Concen: 6.039 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041355.D

Acq: 19 Nov 2020 19:59

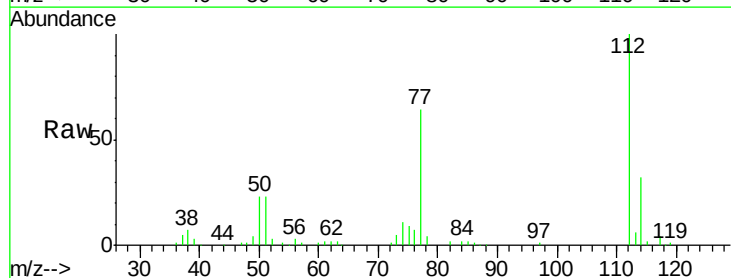
Tgt Ion: 112 Resp: 69983

Ion Ratio Lower Upper

112 100

114 31.9 22.4 41.6

77 63.7 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): VU041339.D (-2509) (-)

Ion 114.05 (113.75 to 114.75): VU041339.D (-2509) (-)

Ion 77.10 (76.80 to 77.80): VU041339.D (-2509) (-)

