

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 06:00:21 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

					Ovalue
3) Chloromethane	1.52	50	2585	0.493 ug/L #	79
5) Vinyl chloride	1.61	62	72124	14.087 ug/L #	57
8) Chloroethane	1.88	64	670	0.197 ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	226	0.052 ug/L #	22
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
27) 1,2-Dichloroethane	5.79	62	1278	0.196 ug/L #	74
33) Benzene	5.79	78	111587	6.816 ug/L	100
34) Trichloroethene	6.55	95	26910	6.082 ug/L	98
35) Methylcyclohexane	6.70	83	7772	1.322 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	4009	0.838 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	900	0.135 ug/L #	54

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 20 05:56:10 2020
Response via : Initial Calibration

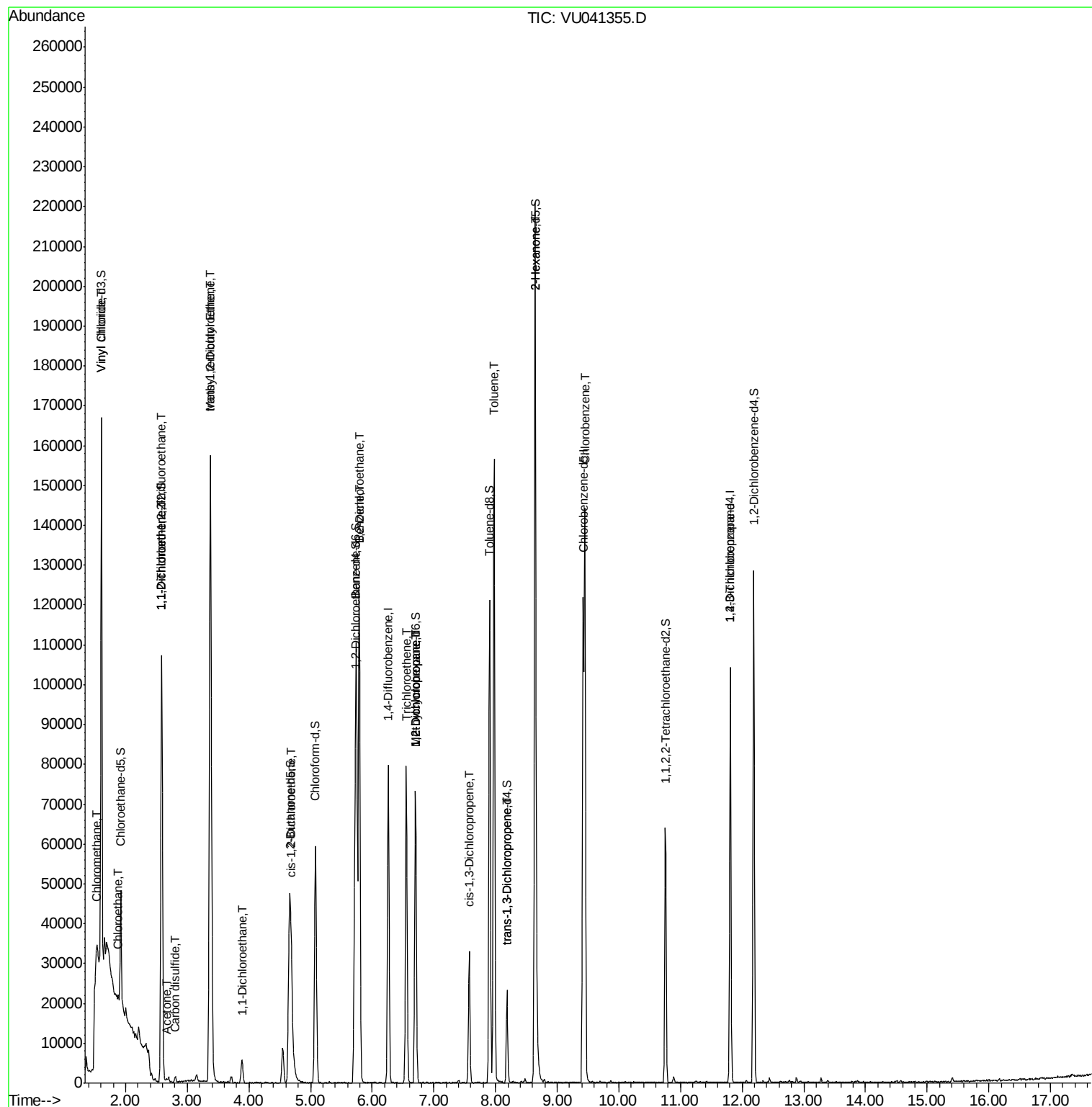
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	107359	6.137	ug/L	99
44) trans-1,3-Dichloropropene	8.19	75	612	0.097	ug/L #	60
48) 2-Hexanone	8.64	43	10609	3.589	ug/L #	79
51) Chlorobenzene	9.45	112	69983	6.039	ug/L	100
59) 1,2,3-Trichloropropane	11.81	75	3587	0.951	ug/L	89

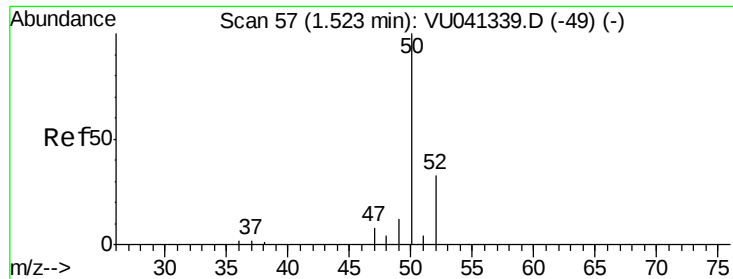
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.493 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041355.D

Acq: 19 Nov 2020 19:59

Instrument :

MSVOA_U

ClientSampleId :

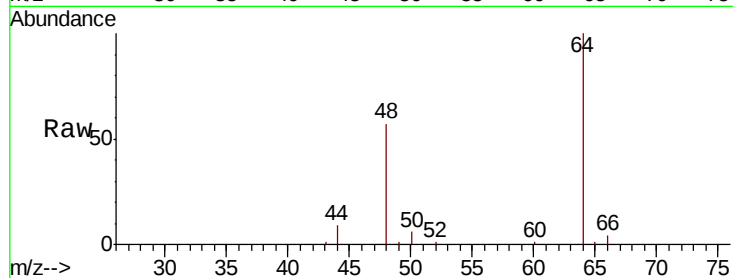
H4419MSD

Tot Ion: 50 Resp: 2585

Ion Ratio Lower Upper

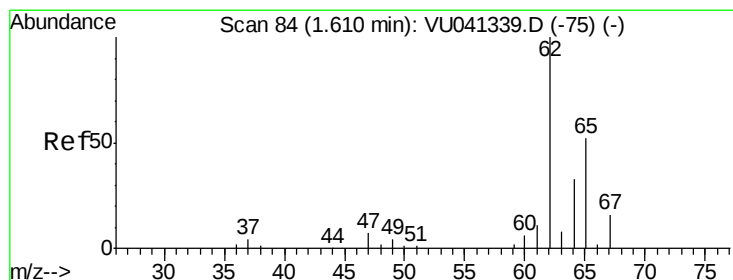
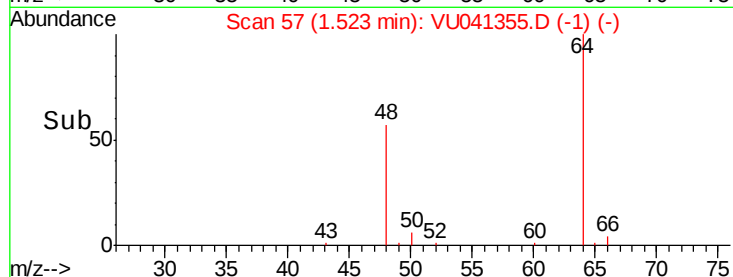
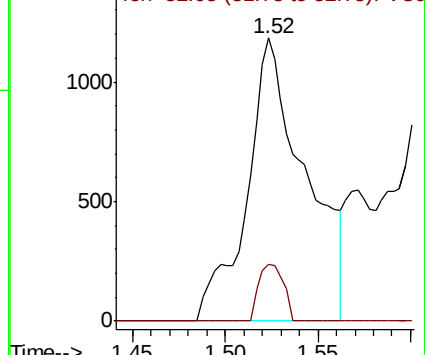
50 100

52 20.2 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: 14.087 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041355.D

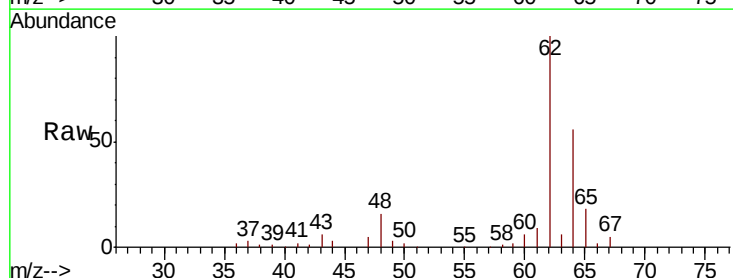
Acq: 19 Nov 2020 19:59

Tgt Ion: 62 Resp: 72124

Ion Ratio Lower Upper

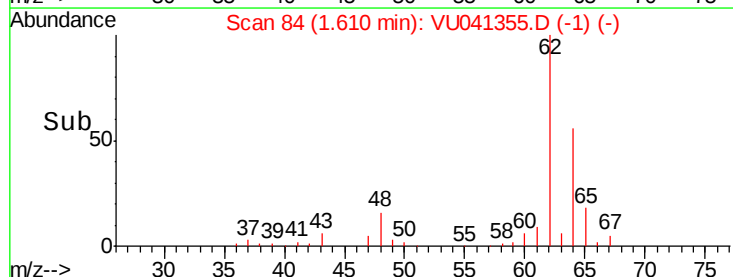
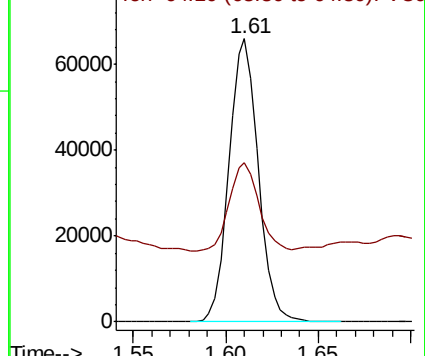
62 100

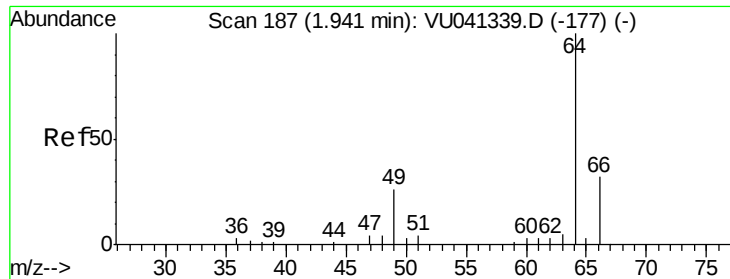
64 56.4 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

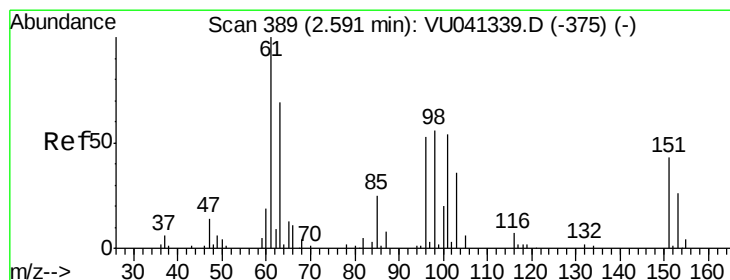
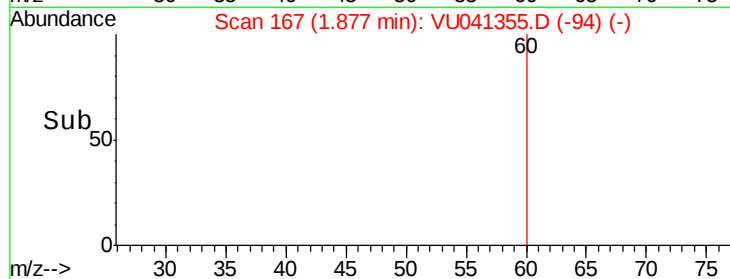
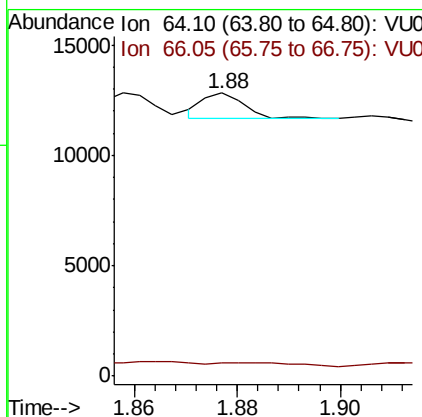
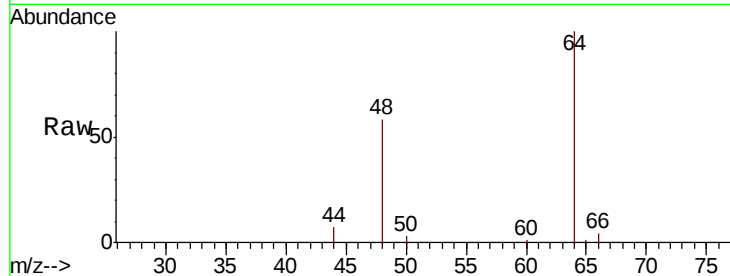




#8
 Chloroethane
 Concen: 0.197 ug/L
 RT: 1.88 min Scan# 167
 Delta R.T. -0.06 min
 Lab File: VU041355.D
 Acq: 19 Nov 2020 19:59

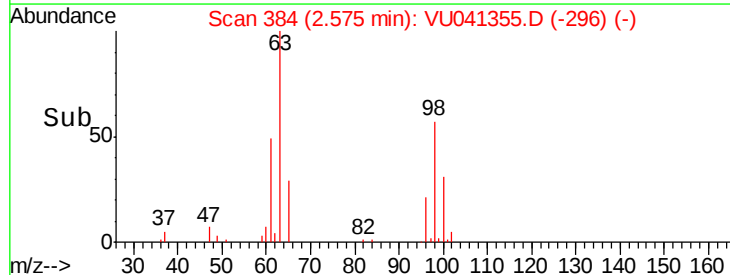
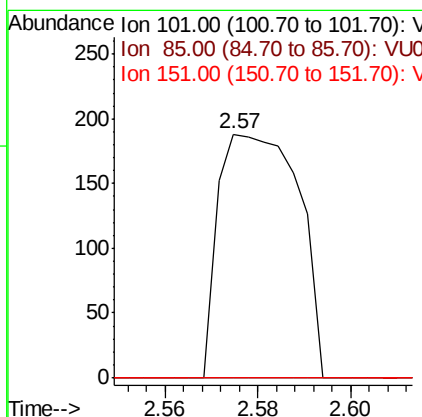
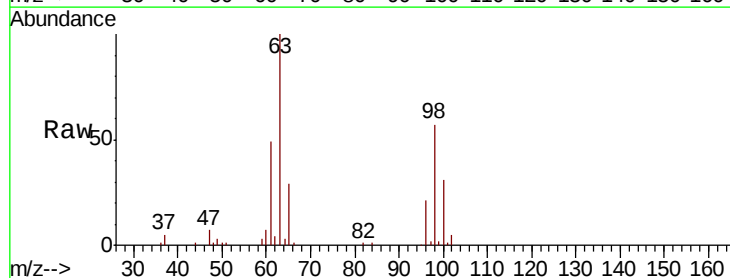
Instrument :
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 H4419MSD

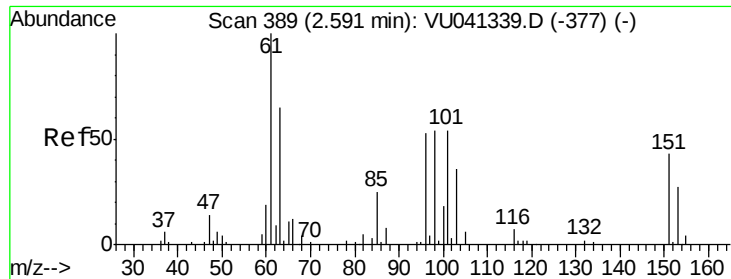
Tot Ion: 64 Resp: 670
 Ion Ratio Lower Upper
 64 100
 66 4.5 22.3 41.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.052 ug/L
 RT: 2.57 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VU041355.D
 Acq: 19 Nov 2020 19:59

Tgt Ion: 101 Resp: 226
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.0 52.4#
 151 0.0 55.3 82.9#

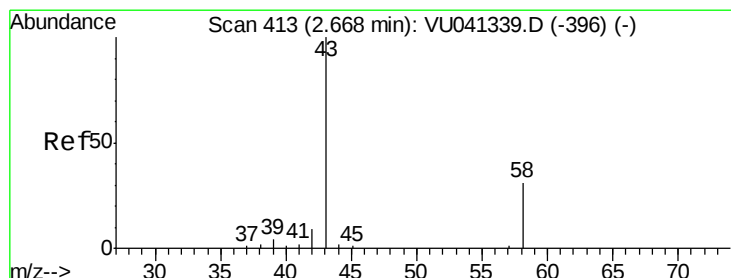
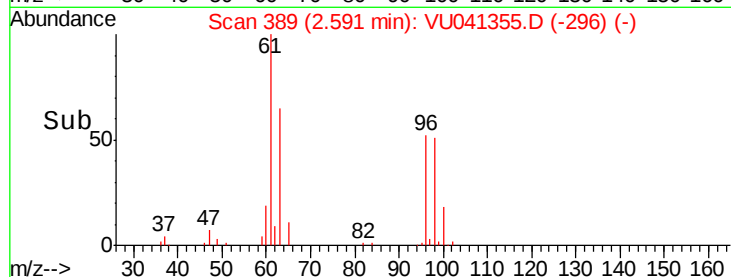
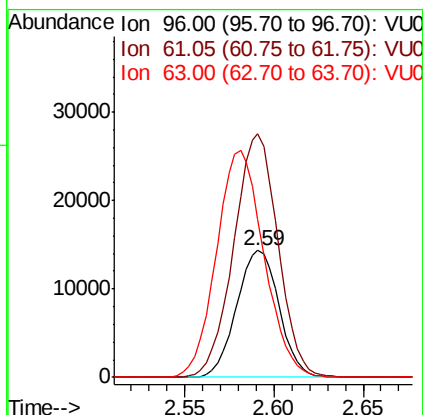
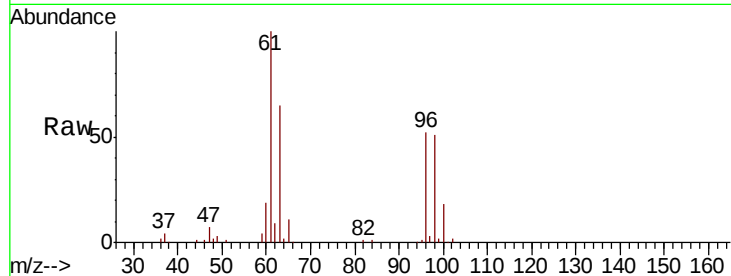




#12
 1,1-Dichloroethene
 Concen: 6.195 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU041355.D
 Acq: 19 Nov 2020 19:59

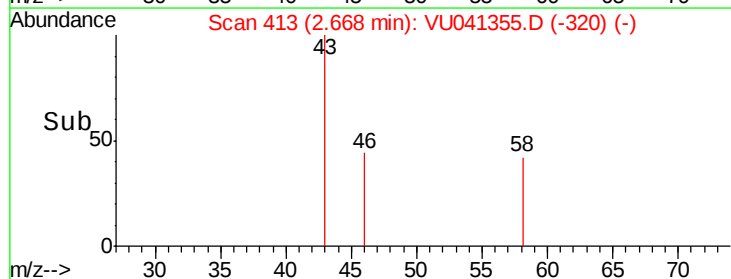
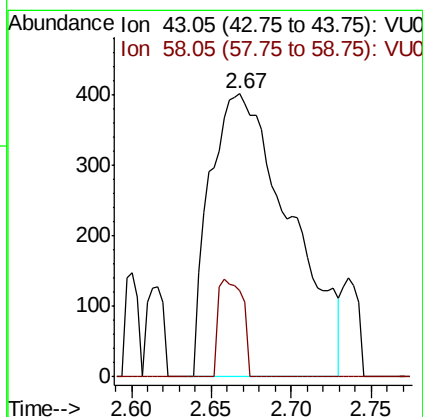
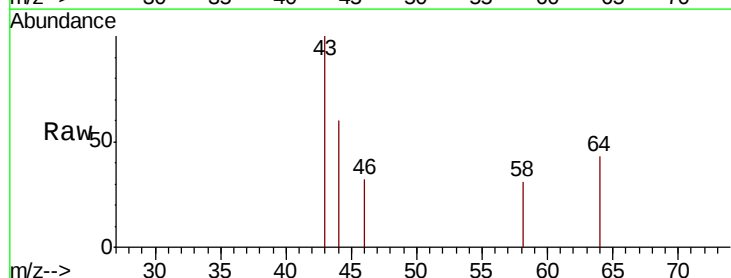
Instrument :
 MSVOA_U
 ClientSampleId :
 H4419MSD

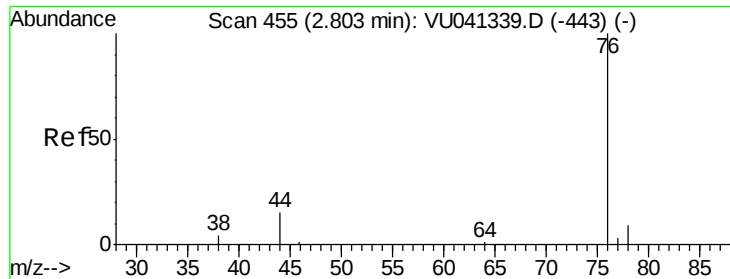
Tot Ion: 96 Resp: 23783
 Ion Ratio Lower Upper
 96 100
 61 192.4 134.3 249.5
 63 124.3 95.0 176.4



#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

Tgt Ion: 43 Resp: 1386
 Ion Ratio Lower Upper
 43 100
 58 10.5 0.0 25.4

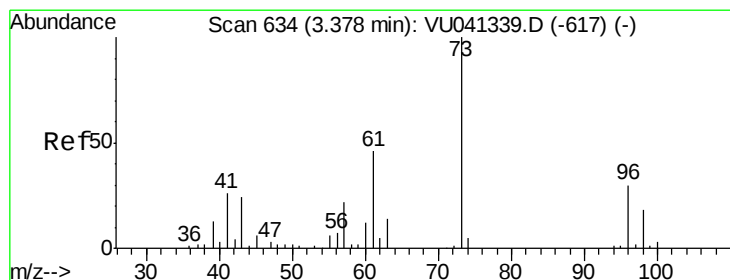
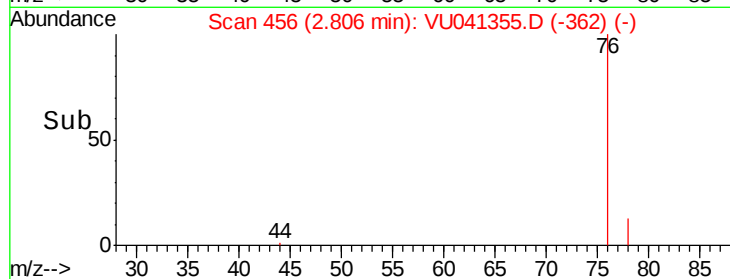
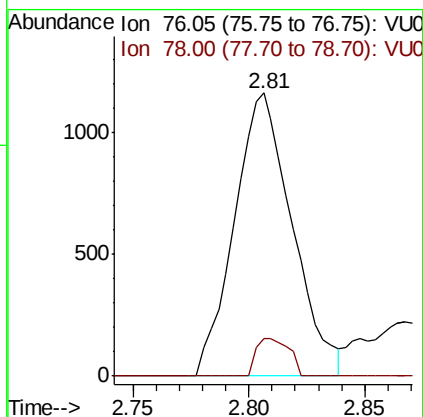
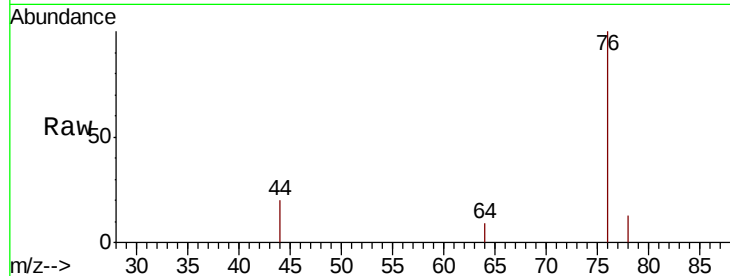




#14
Carbon disulfide
Concen: 0.178 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

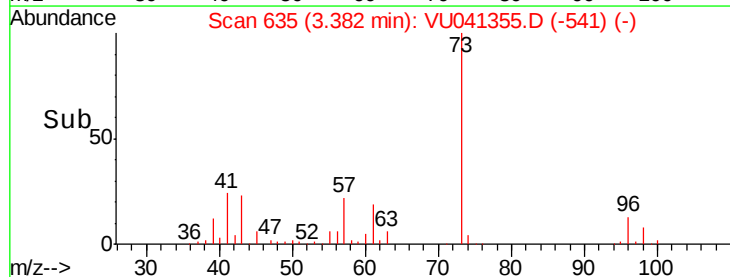
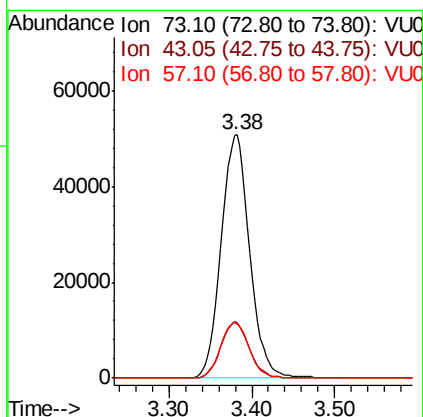
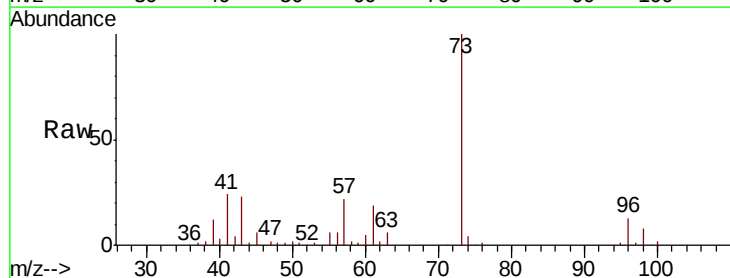
Instrument :
MSVOA_U
ClientSampleId :
H4419MSD

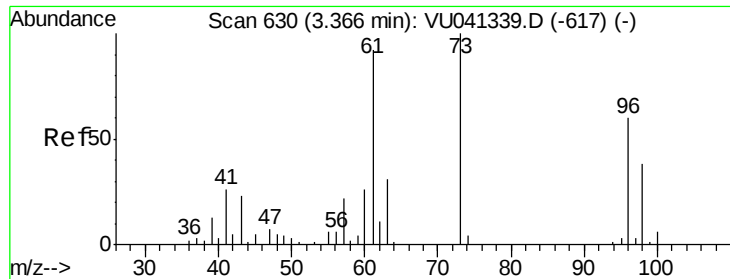
Tot Ion: 76 Resp: 2010
Ion Ratio Lower Upper
76 100
78 13.3 7.5 11.3#



#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

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

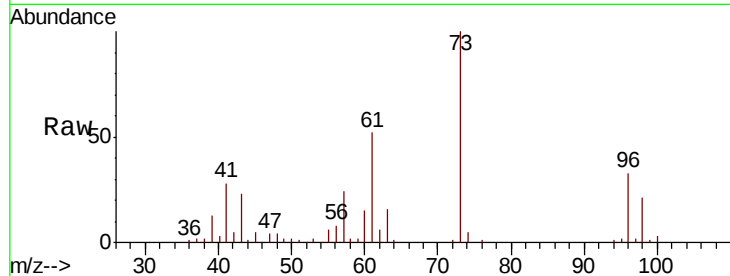




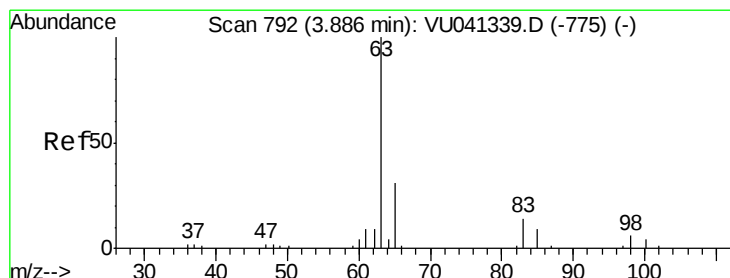
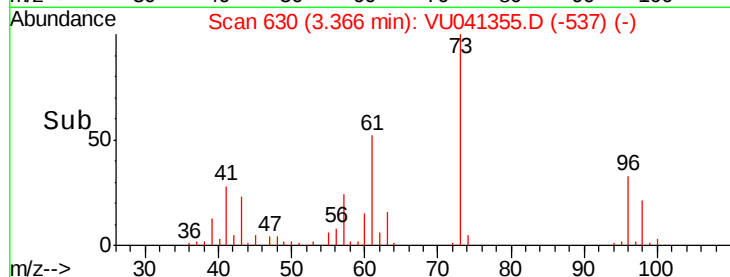
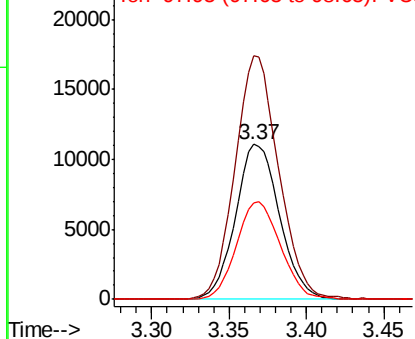
#18
trans-1,2-Dichloroethene
Concen: 5.857 ug/L
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

Instrument :
MSVOA_U
ClientSampleId :
H4419MSD

Tot Ion: 96 Resp: 21900
Ion Ratio Lower Upper
96 100
61 157.4 110.9 205.9
98 62.3 45.4 84.2

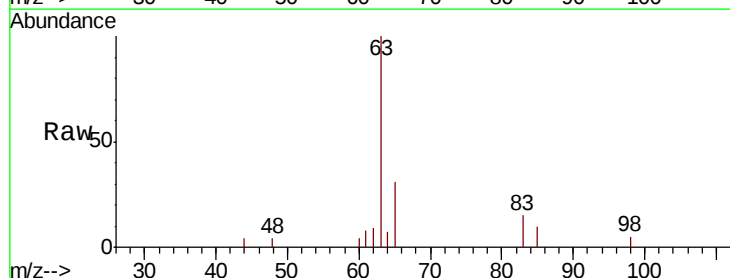


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

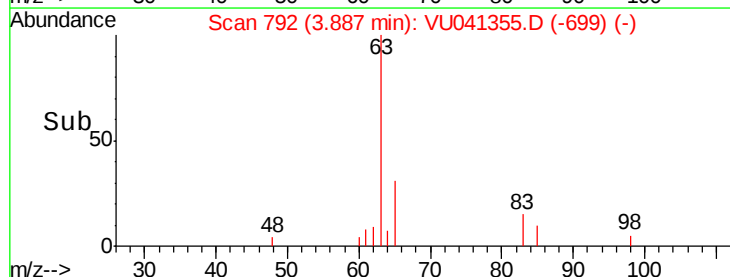
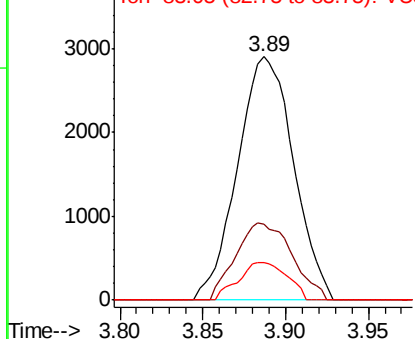


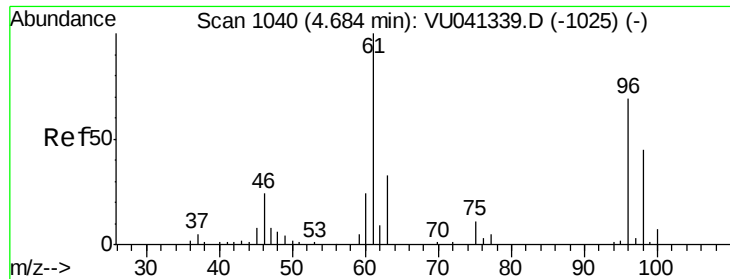
#19
1,1-Dichloroethane
Concen: 0.817 ug/L
RT: 3.89 min Scan# 792
Delta R.T. 0.00 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

Tgt 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

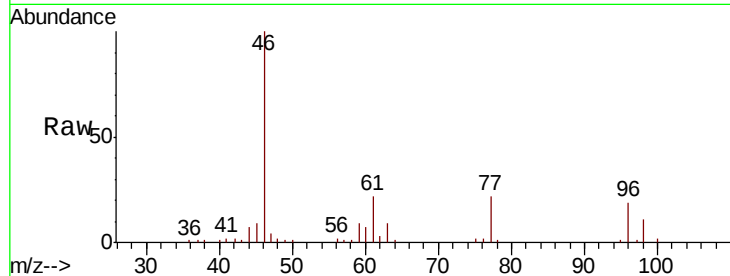




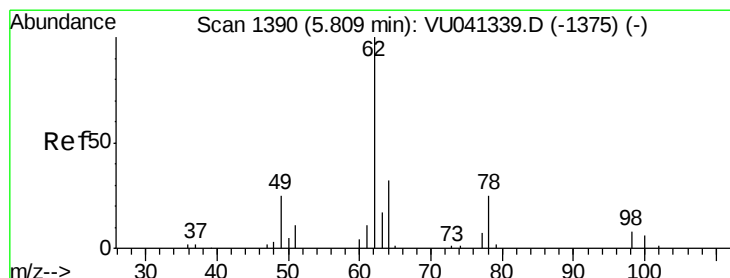
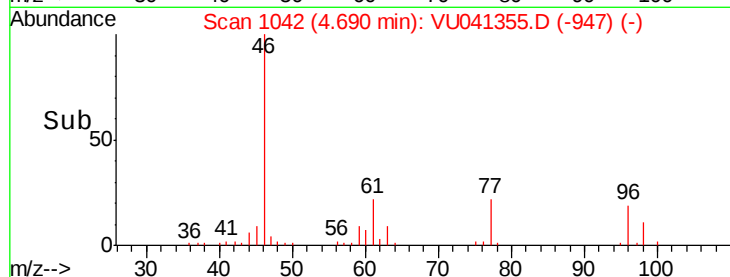
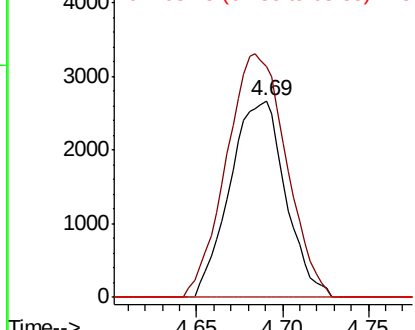
#22
 cis-1,2-Dichloroethene
 Concen: 1.418 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU041355.D
 Acq: 19 Nov 2020 19:59

Instrument :
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 H4419MSD

Tot Ion: 96 Resp: 5987
 Ion Ratio Lower Upper
 96 100
 61 117.8 97.2 180.4
 68 0.0 0.0 0.0

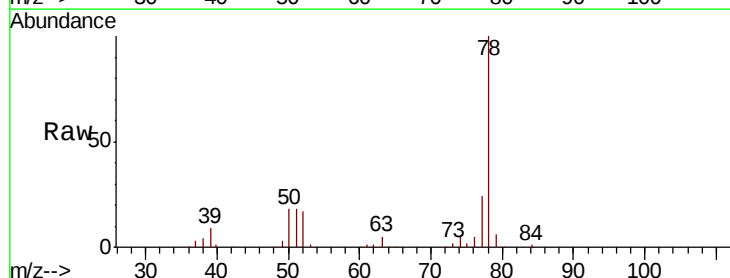


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

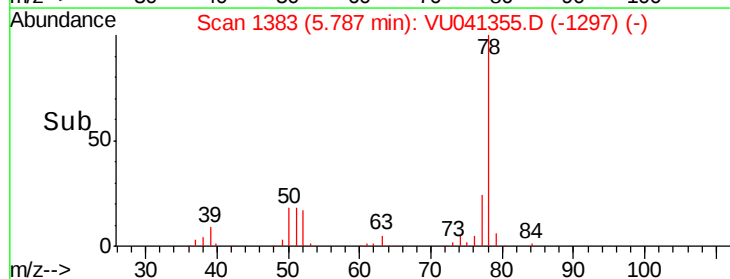
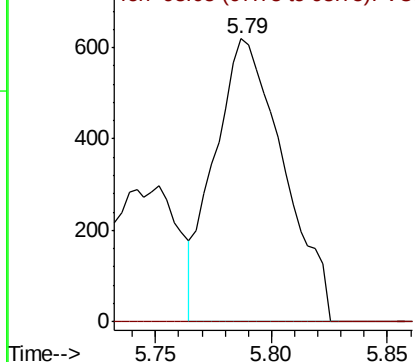


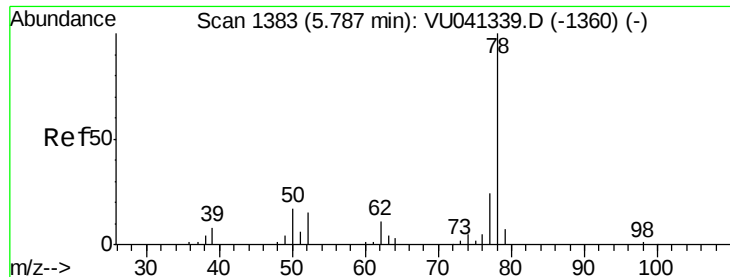
#27
 1,2-Dichloroethane
 Concen: 0.196 ug/L
 RT: 5.79 min Scan# 1383
 Delta R.T. -0.02 min
 Lab File: VU041355.D
 Acq: 19 Nov 2020 19:59

Tgt Ion: 62 Resp: 1278
 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: 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

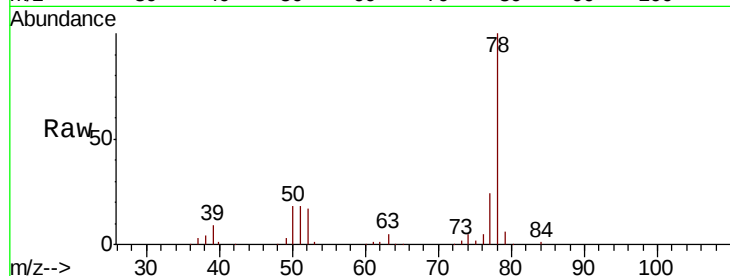
Instrument :

MSVOA_U

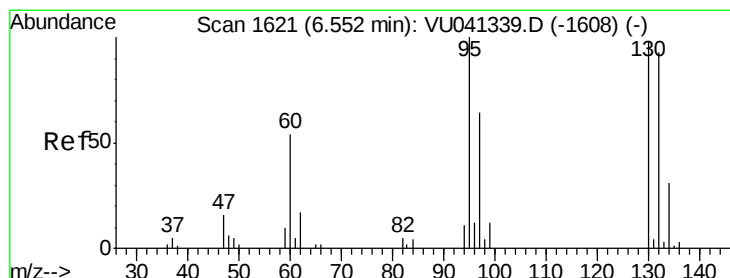
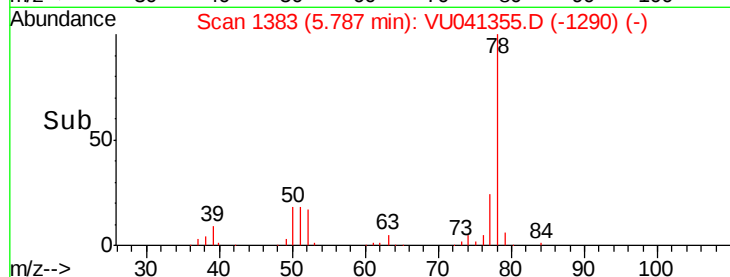
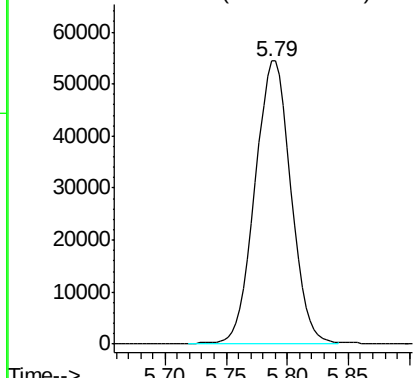
ClientSampleId :

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

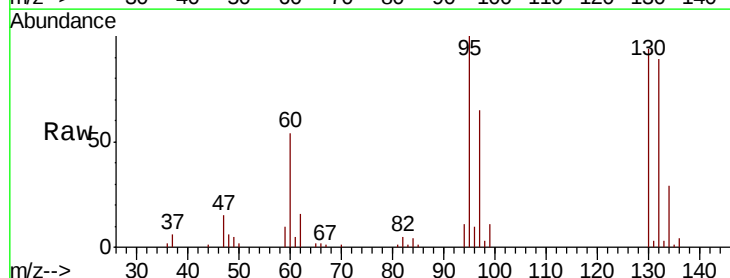
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.6	84.6
132	88.6	64.8	120.4
130	94.1	64.8	120.4

95 100

97 64.6 45.6 84.6

132 88.6 64.8 120.4

130 94.1 64.8 120.4

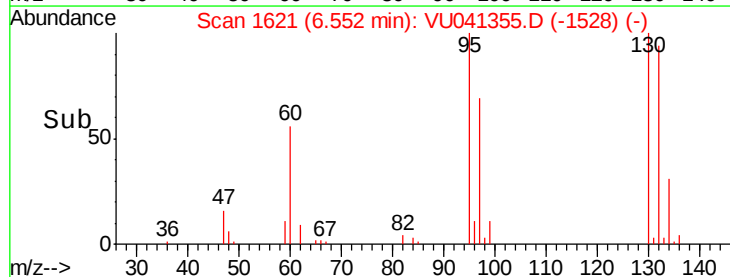
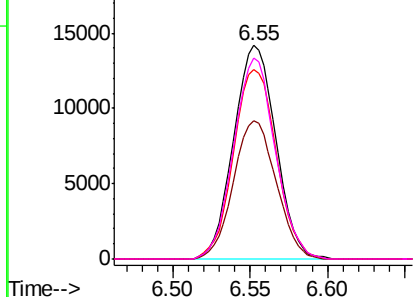


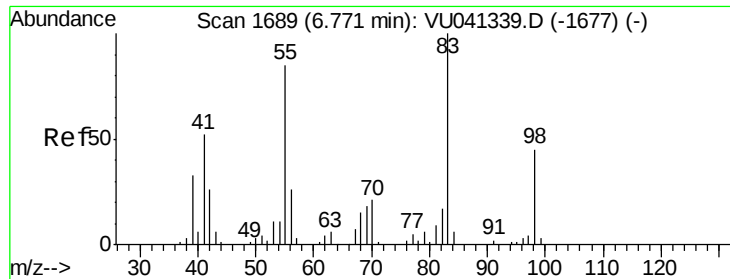
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

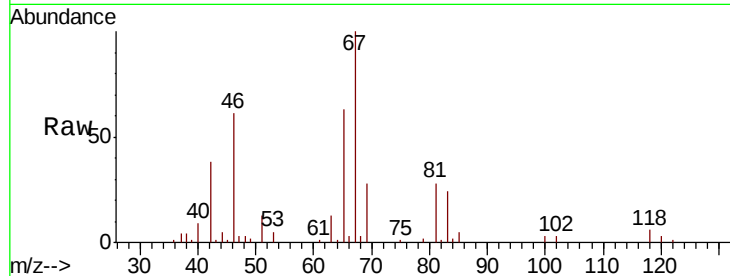




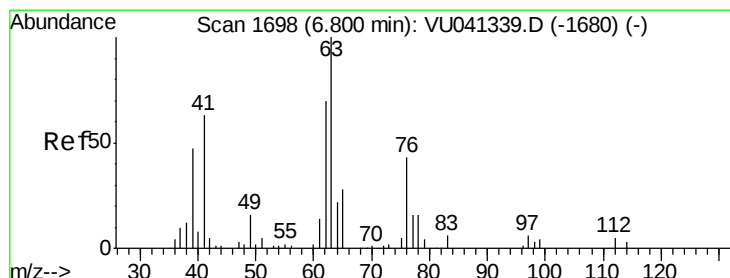
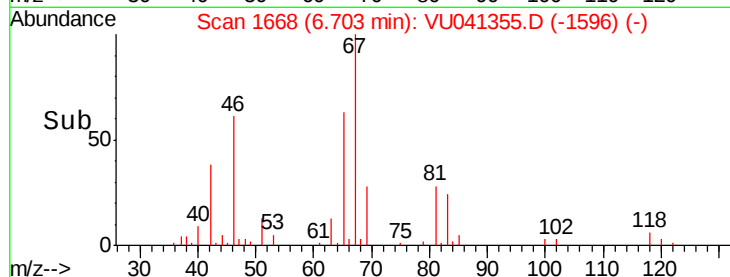
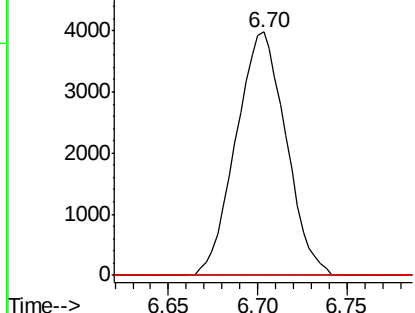
#35
Methvlcvclohexane
Concen: 1.322 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

Instrument :
MSVOA_U
ClientSampleId :
H4419MSD

Tot Ion: 83 Resp: 7772
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

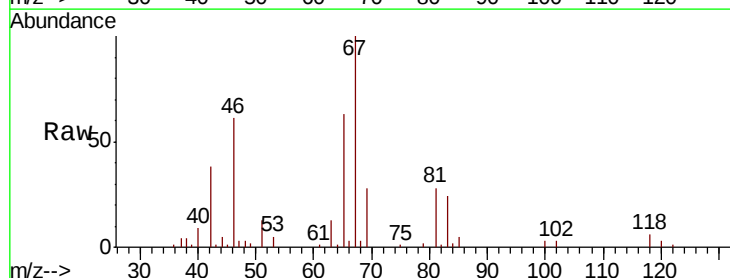


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

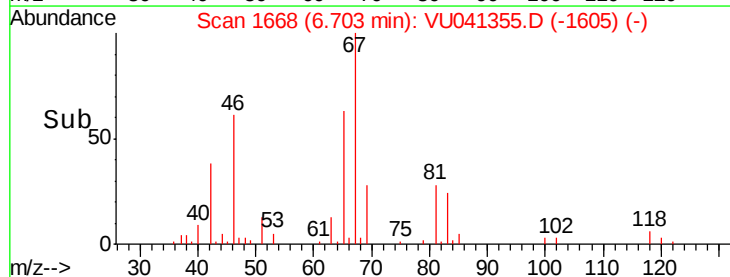
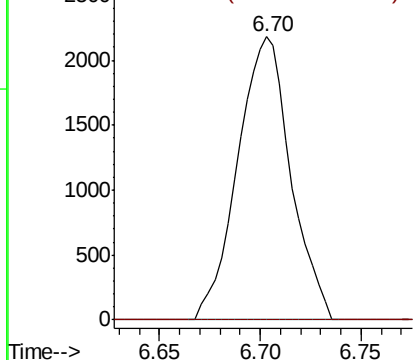


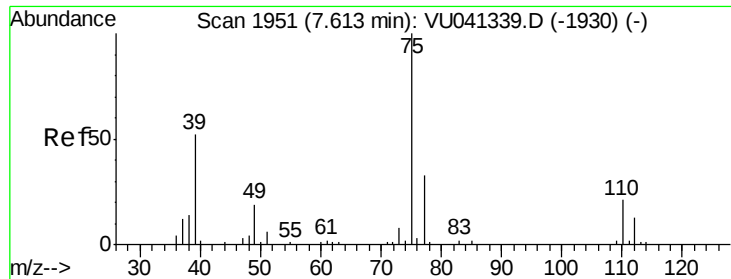
#37
1,2-Dichloropropane
Concen: 0.838 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

Tgt Ion: 63 Resp: 4009
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

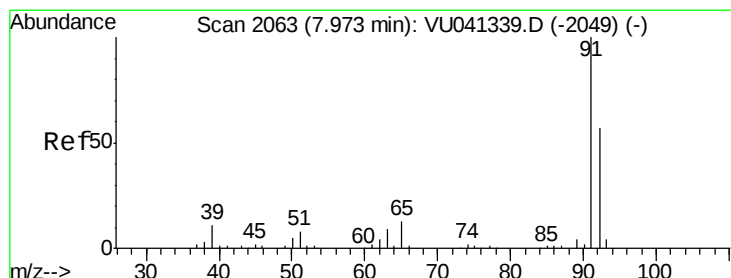
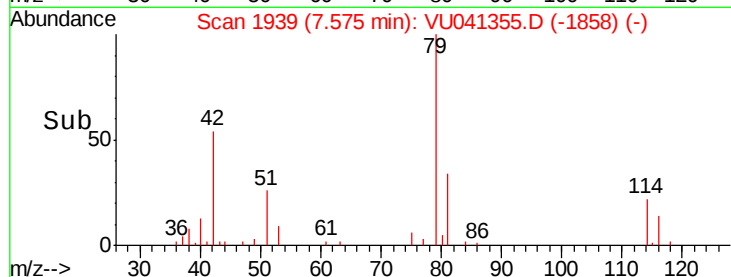
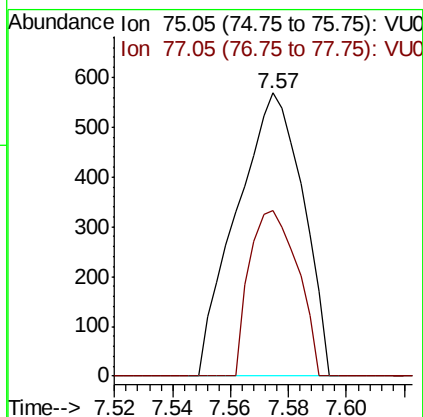
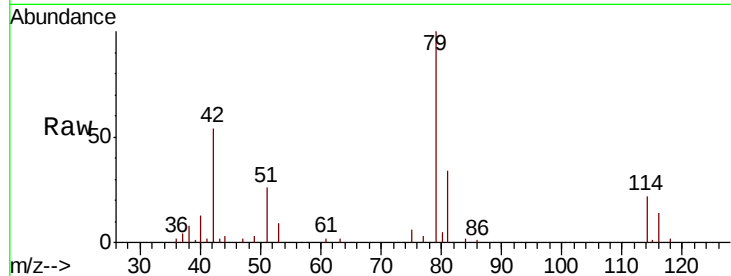




#39
 cis-1,3-Dichloropropene
 Concen: 0.135 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041355.D
 Acq: 19 Nov 2020 19:59

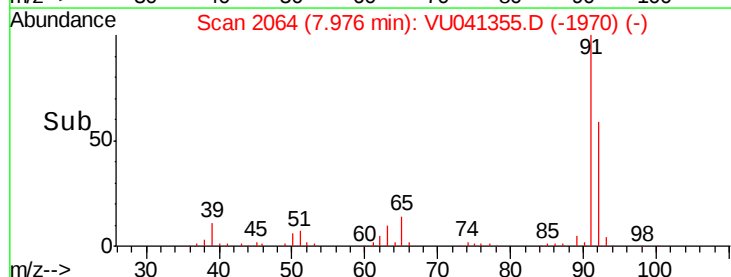
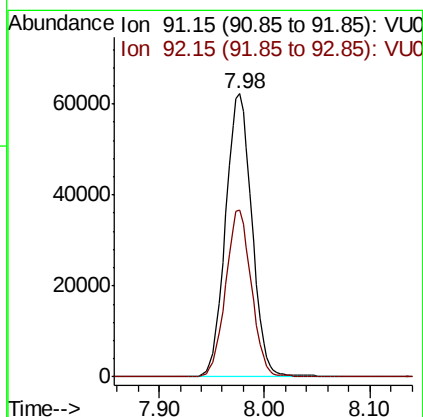
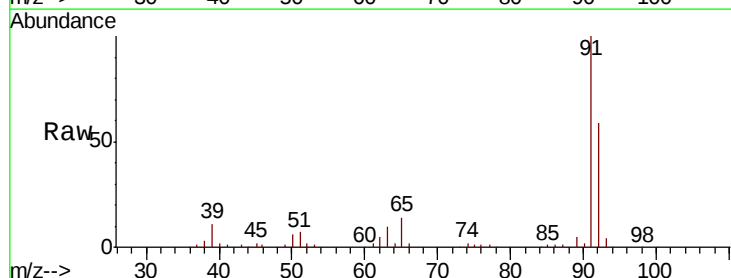
Instrument :
 MSVOA_U
 ClientSampleId :
 H4419MSD

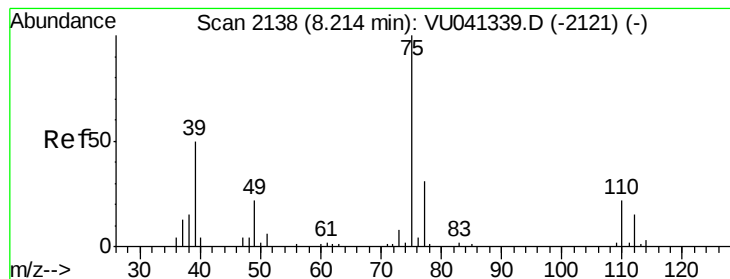
Tot Ion: 75 Resp: 900
 Ion Ratio Lower Upper
 75 100
 77 58.5 22.7 42.3#



#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

Tgt Ion: 91 Resp: 107359
 Ion Ratio Lower Upper
 91 100
 92 58.8 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041355.D

Acq: 19 Nov 2020 19:59

Instrument :

MSVOA_U

ClientSampleId :

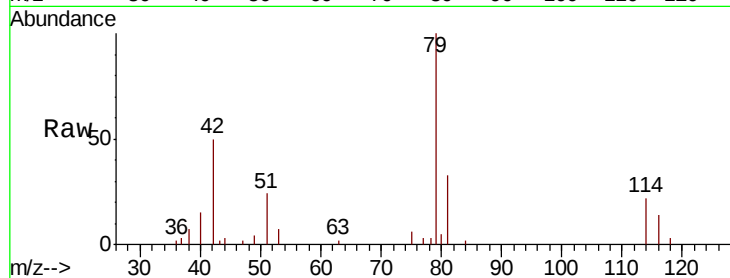
H4419MSD

Tot Ion: 75 Resp: 612

Ion Ratio Lower Upper

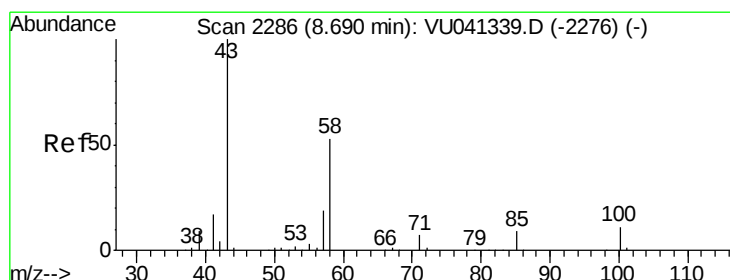
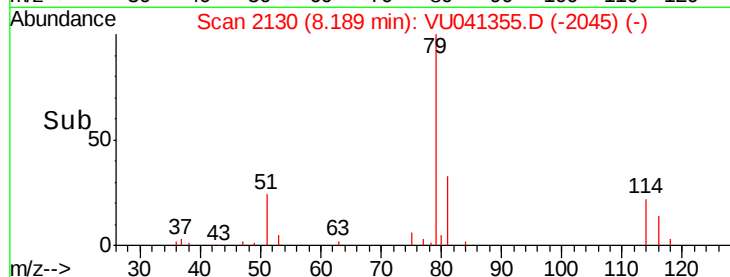
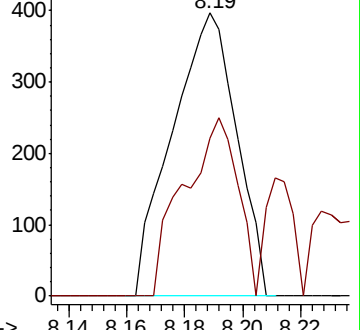
75 100

77 55.9 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: 3.589 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU041355.D

Acq: 19 Nov 2020 19:59

Tgt Ion: 43 Resp: 10609

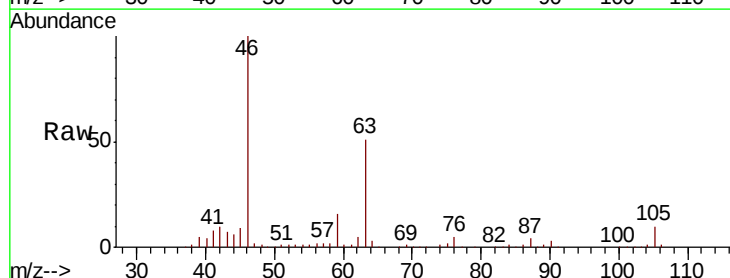
Ion Ratio Lower Upper

43 100

58 41.1 41.4 62.2#

57 34.4 14.6 21.8#

100 0.8 8.3 12.5#

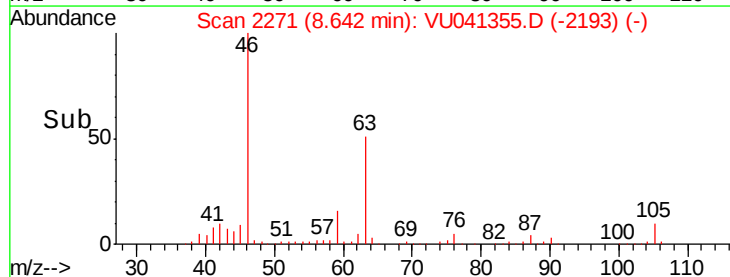
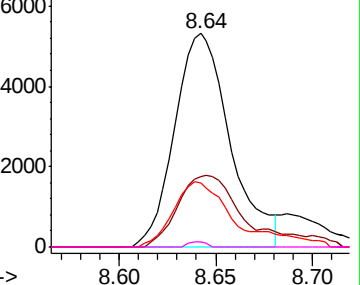


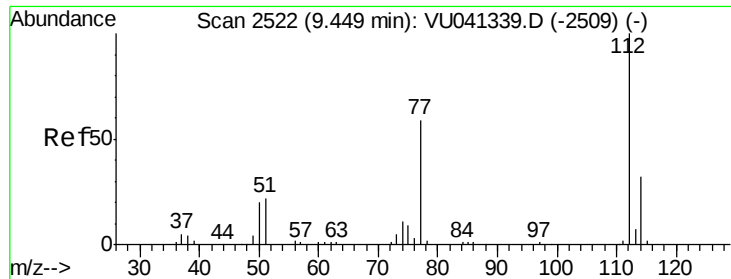
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

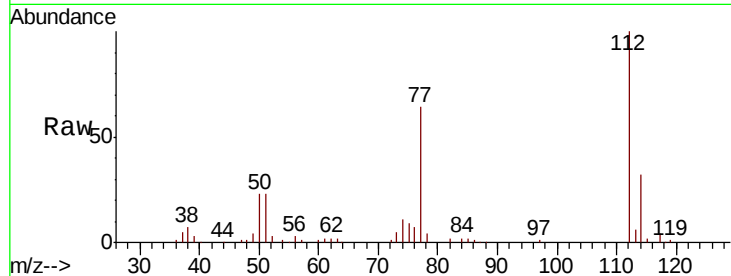




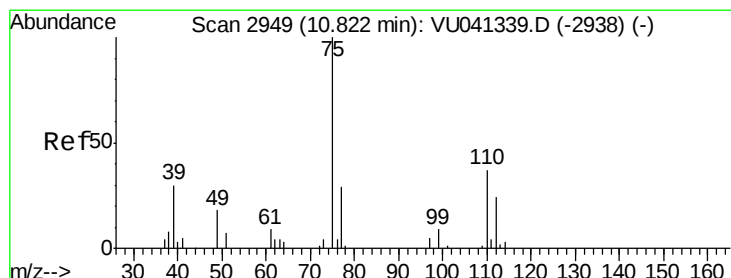
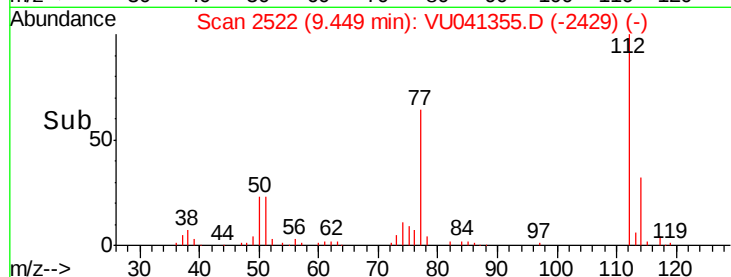
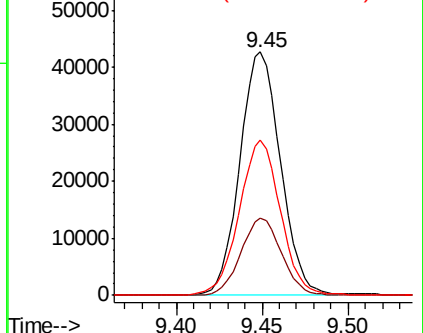
#51
Chlorobenzene
Concen: 6.039 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

Instrument :
MSVOA_U
ClientSampleId :
H4419MSD

Tot Ion:112 Resp: 69983
Ion Ratio Lower Upper
112 100
114 31.9 22.4 41.6
77 63.7 51.2 76.8

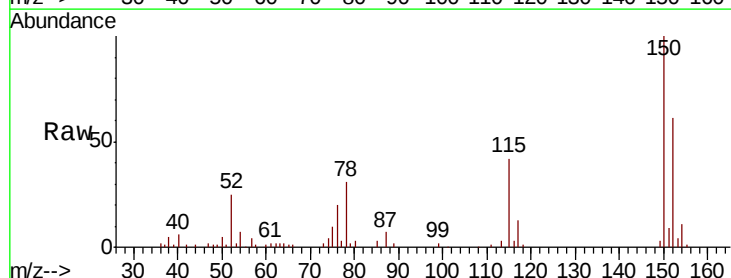


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.951 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041355.D
Acq: 19 Nov 2020 19:59

Tgt Ion: 75 Resp: 3587
Ion Ratio Lower Upper
75 100
77 38.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

