

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041354.D
 Acq On : 19 Nov 2020 19:36
 Operator : SY/MD
 Sample : L4790-19MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4419MS

Quant Time: Nov 20 06:00:08 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	59765	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	60619	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14565	3.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	1.92	69	14142	3.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.20%
11) 1,1-Dichloroethene-d2	2.58	63	36604	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	4.66	46	95179	52.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.02%
24) Chloroform-d	5.08	84	43422	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.72	65	27504	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.74	84	64726	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.20%
36) 1,2-Dichloropropane-d6	6.70	67	25533	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.91	98	50044	3.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.00%#
43) trans-1,3-Dichloropropene-	8.18	79	9654	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.64	63	65453	50.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26319	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	23282	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1292	0.243 ug/L	95
5) Vinyl chloride	1.61	62	69529	13.401 ug/L #	56
8) Chloroethane	2.01	64	1162	0.337 ug/L #	53
12) 1,1-Dichloroethene	2.59	96	23709	6.094 ug/L	85
14) Carbon disulfide	2.81	76	2335	0.204 ug/L #	89
17) Methyl tert-butyl Ether	3.38	73	119751	11.243 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	21285	5.618 ug/L	97
19) 1,1-Dichloroethane	3.89	63	6875	0.812 ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	5499	1.285 ug/L	99
27) 1,2-Dichloroethane	5.78	62	1279	0.194 ug/L #	74
33) Benzene	5.79	78	110230	6.710 ug/L	100
34) Trichloroethene	6.55	95	27063	6.096 ug/L	97
35) Methylcyclohexane	6.70	83	5721	0.970 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2832	0.590 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	704	0.105 ug/L	93
42) Toluene	7.98	91	105470	6.008 ug/L	96
44) trans-1,3-Dichloropropene	8.19	75	358	0.057 ug/L #	77

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

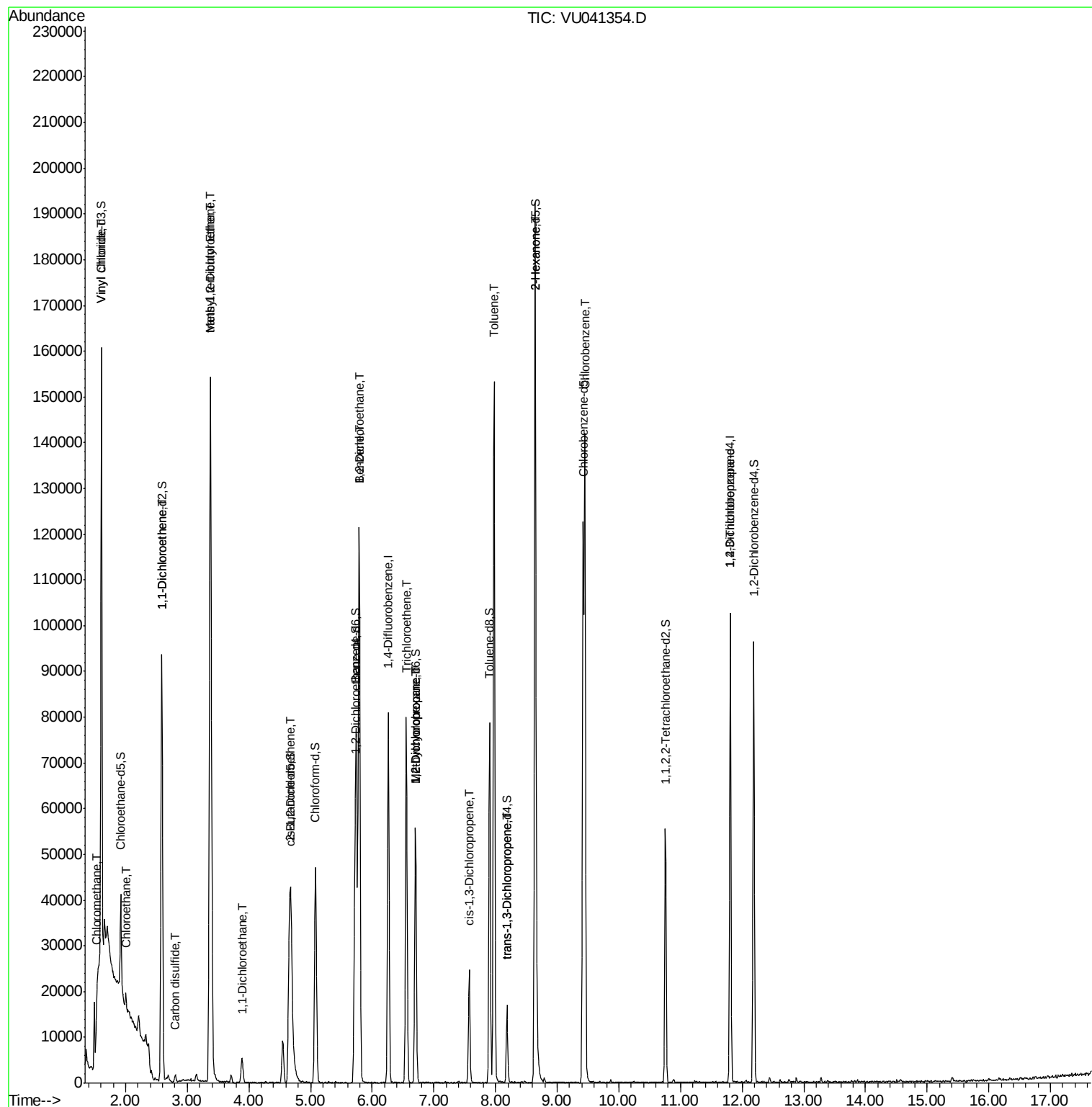
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	9910	3.341	ug/L #	73
51) Chlorobenzene	9.45	112	69376	5.966	ug/L	100
59) 1,2,3-Trichloropropane	11.81	75	3180	0.840	ug/L #	43

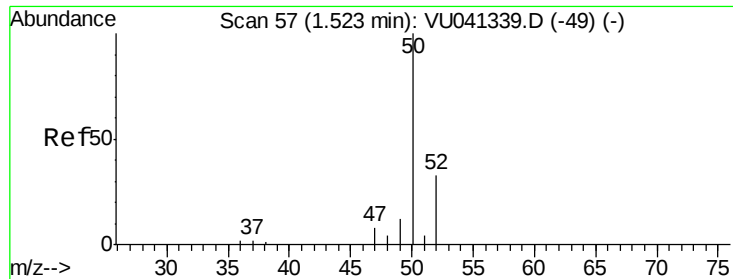
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.243 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

Instrument :

MSVOA_U

ClientSampleId :

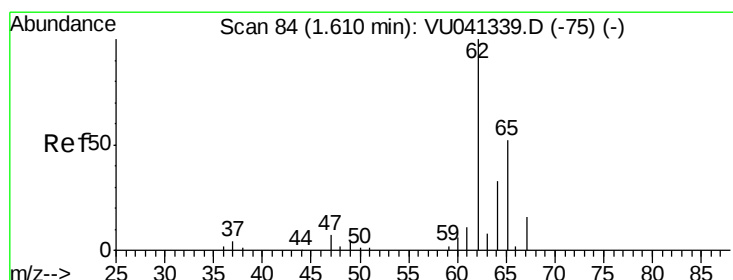
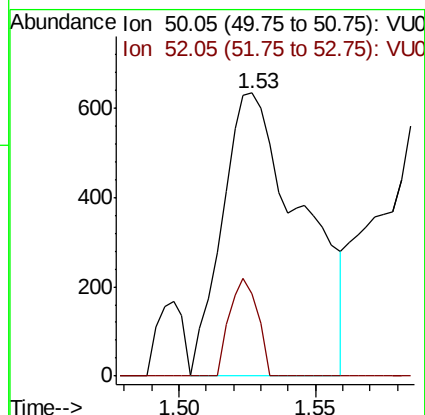
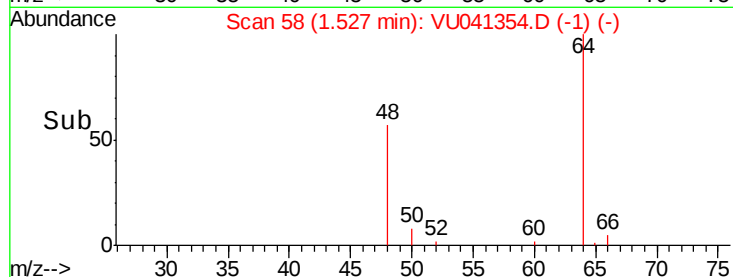
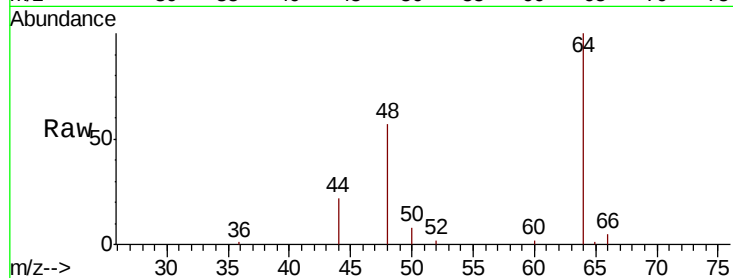
H4419MS

Tot Ion: 50 Resp: 1292

Ion Ratio Lower Upper

50 100

52 29.1 22.4 41.6



#5

Vinyl chloride

Concen: 13.401 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041354.D

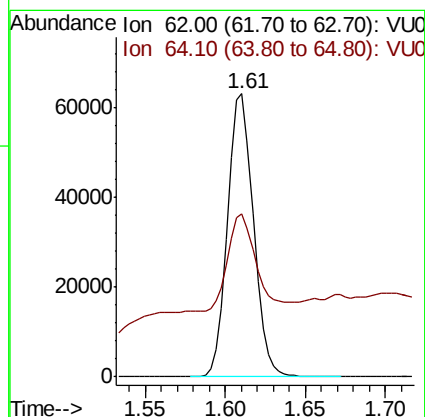
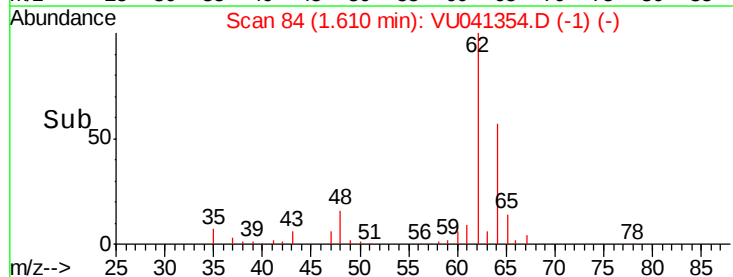
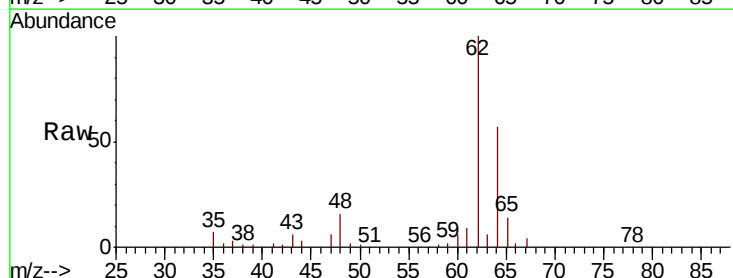
Acq: 19 Nov 2020 19:36

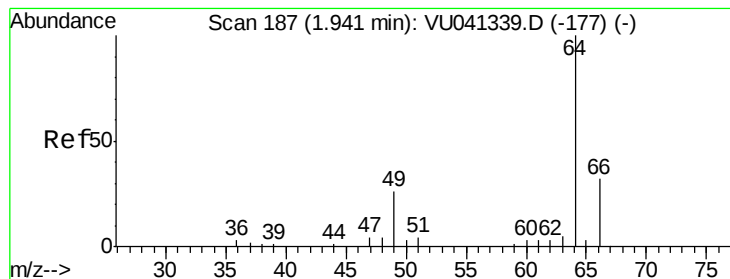
Tgt Ion: 62 Resp: 69529

Ion Ratio Lower Upper

62 100

64 57.4 22.7 42.3#





#8

Chloroethane

Concen: 0.337 ug/L

RT: 2.01 min Scan# 208

Delta R.T. 0.07 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

Instrument :

MSVOA_U

ClientSampleId :

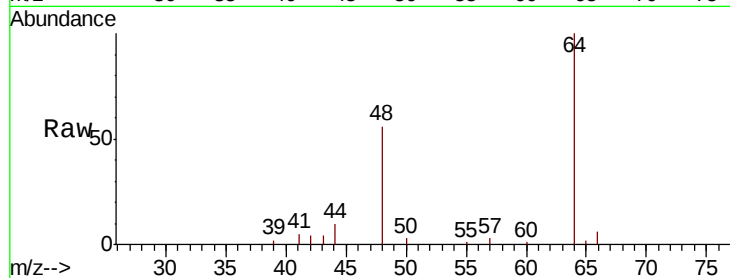
H4419MS

Tot Ion: 64 Resp: 1162

Ion Ratio Lower Upper

64 100

66 5.7 22.3 41.5#

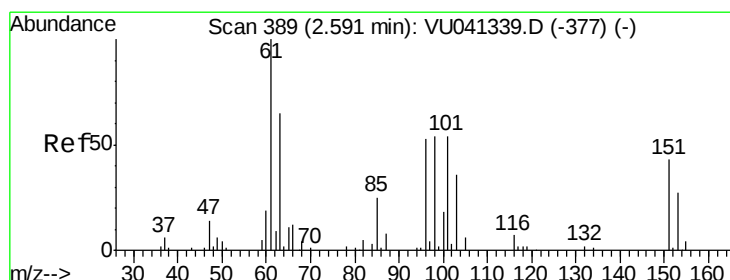
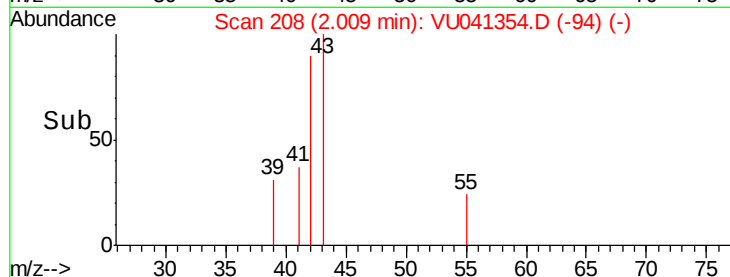


Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

2.01

Time-->



#12

1,1-Dichloroethene

Concen: 6.094 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

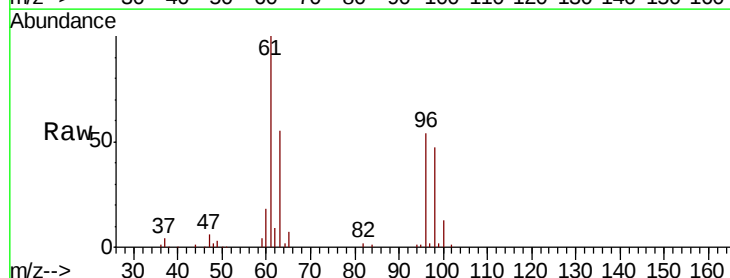
Tgt Ion: 96 Resp: 23709

Ion Ratio Lower Upper

96 100

61 183.9 134.3 249.5

63 101.4 95.0 176.4



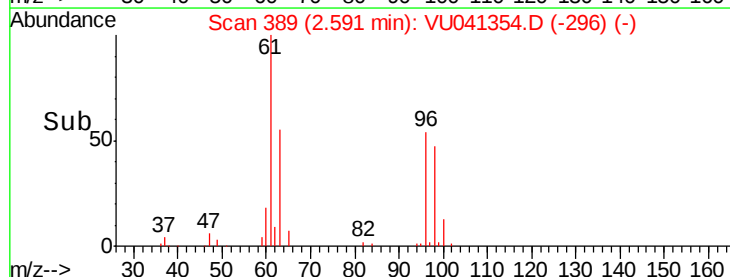
Abundance Ion 96.00 (95.70 to 96.70): VU0

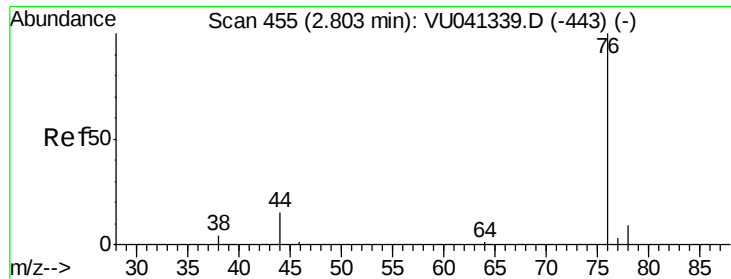
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

2.59

Time-->

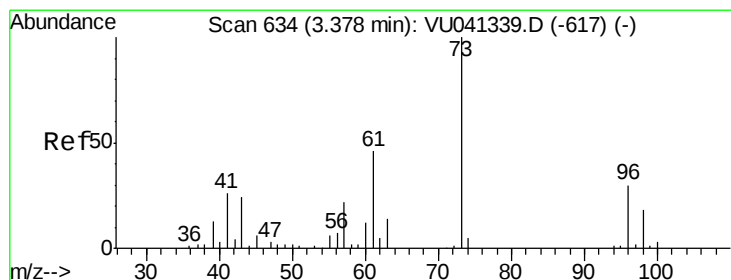
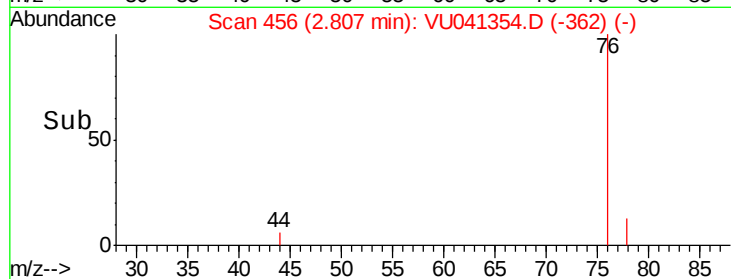
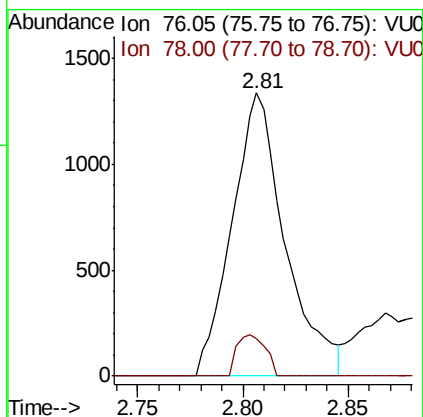
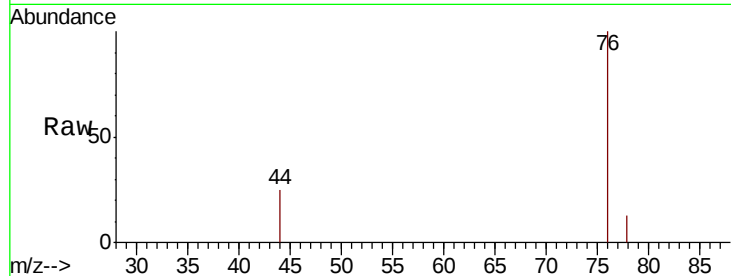




#14
Carbon disulfide
Concen: 0.204 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

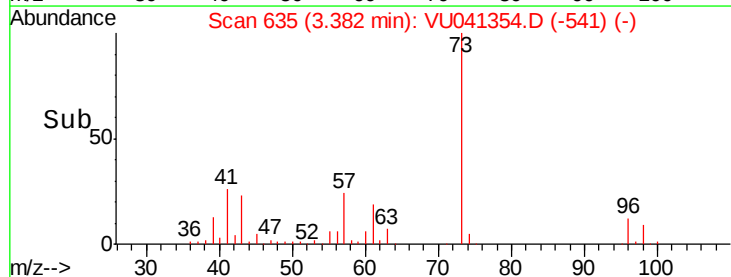
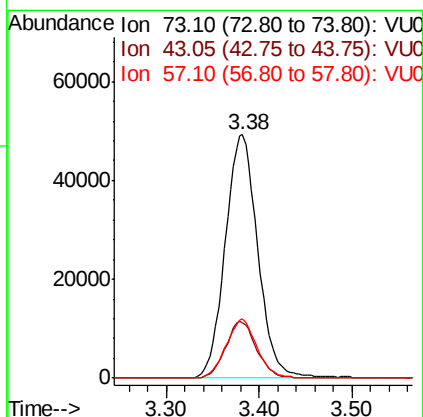
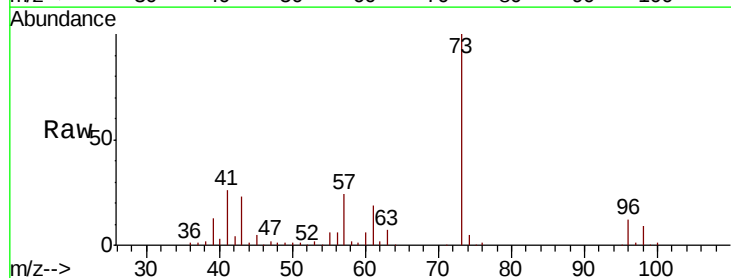
Instrument :
MSVOA_U
ClientSampleId :
H4419MS

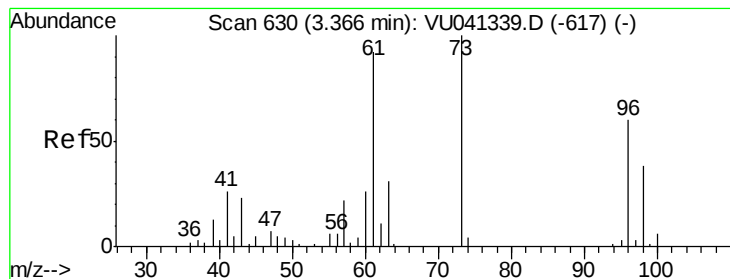
Tot Ion: 76 Resp: 2335
Ion Ratio Lower Upper
76 100
78 13.3 7.5 11.3#



#17
Methyl tert-butyl Ether
Concen: 11.243 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

Tgt Ion: 73 Resp: 119751
Ion Ratio Lower Upper
73 100
43 22.2 18.5 27.7
57 22.9 18.4 27.6





#18

trans-1,2-Dichloroethene

Concen: 5.618 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

Instrument :

MSVOA_U

ClientSampleId :

H4419MS

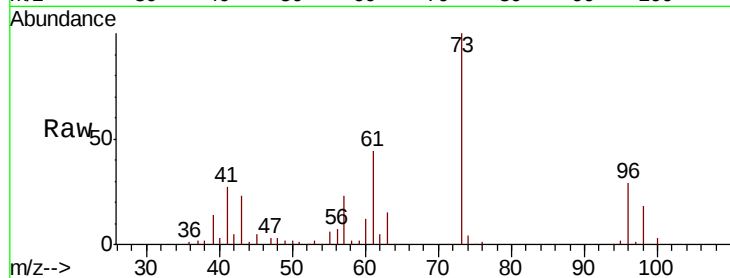
Tot Ion: 96 Resp: 21285

Ion Ratio Lower Upper

96 100

61 153.3 110.9 205.9

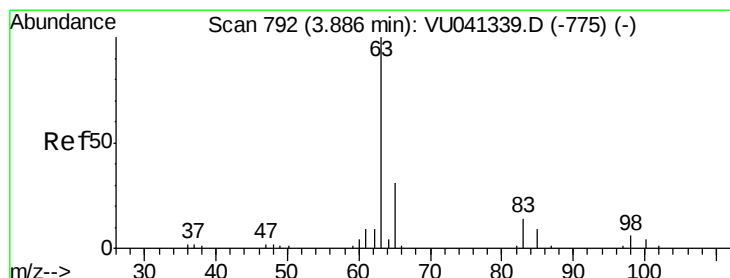
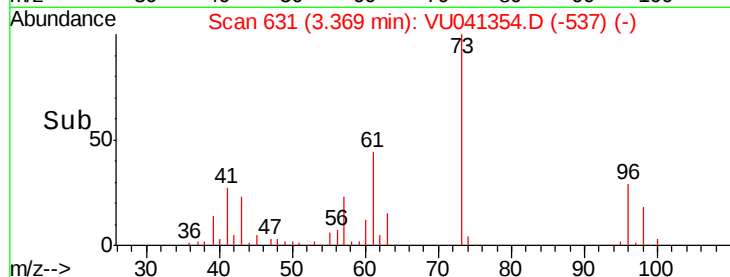
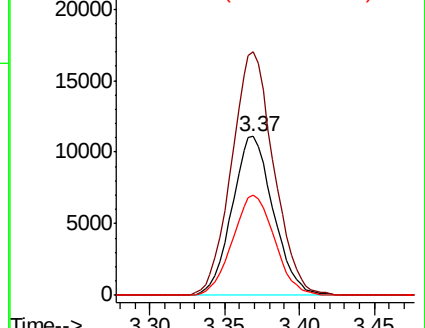
98 63.2 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041339.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU041339.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU041339.D (-617) (-)



#19

1,1-Dichloroethane

Concen: 0.812 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

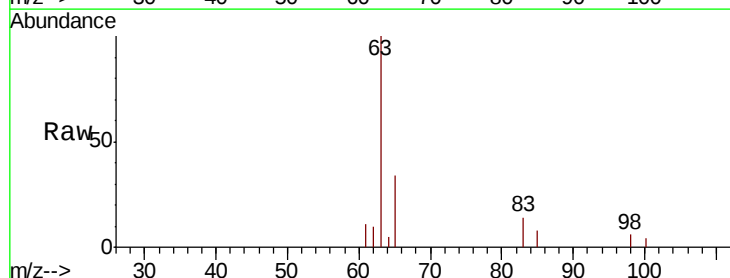
Tgt Ion: 63 Resp: 6875

Ion Ratio Lower Upper

63 100

65 33.6 21.3 39.6

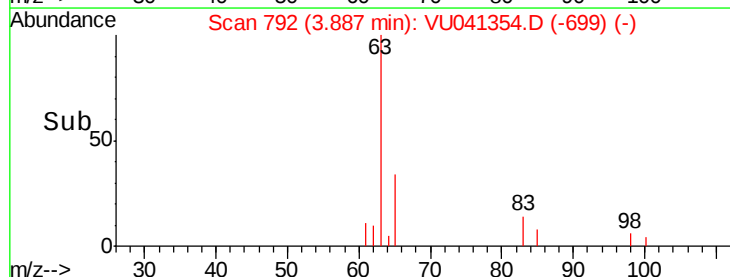
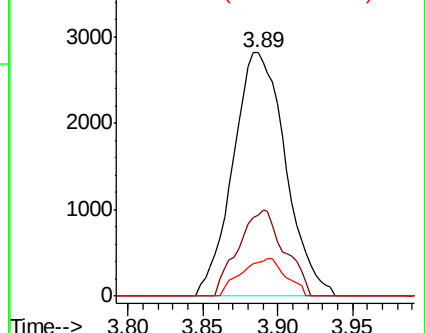
83 14.0 8.8 16.3

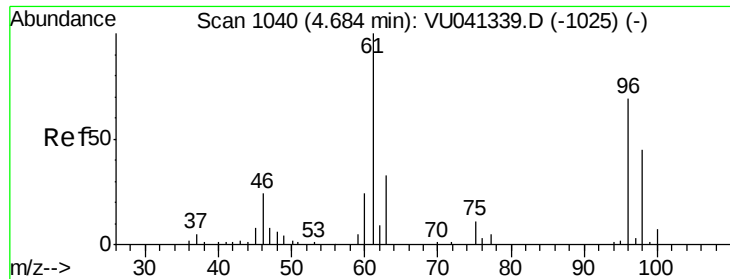


Abundance Ion 63.10 (62.80 to 63.80): VU041339.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU041339.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU041339.D (-775) (-)

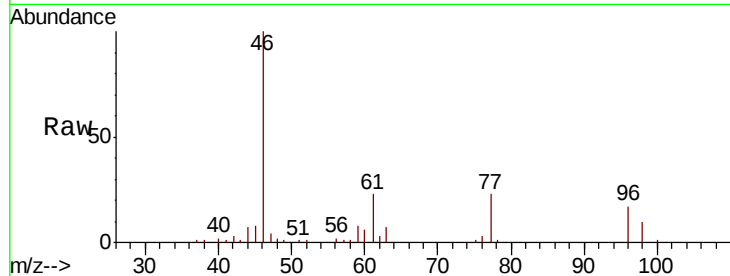




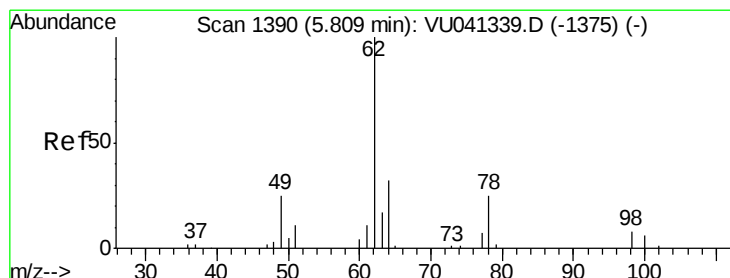
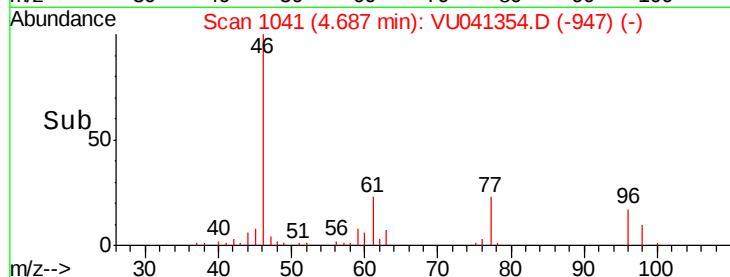
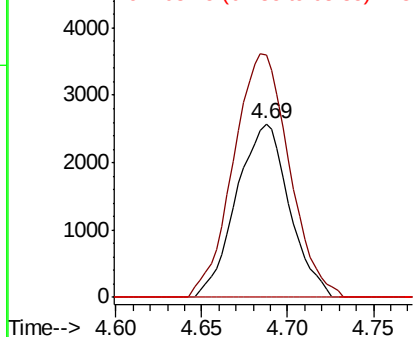
#22
 cis-1,2-Dichloroethene
 Concen: 1.285 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041354.D
 Acq: 19 Nov 2020 19:36

Instrument :
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 H4419MS

Tot Ion: 96 Resp: 5499
 Ion Ratio Lower Upper
 96 100
 61 139.6 97.2 180.4
 68 0.0 0.0 0.0

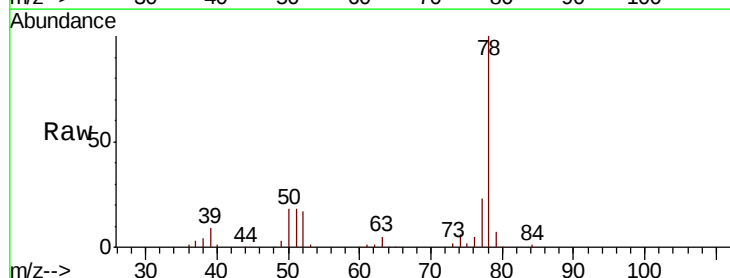


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

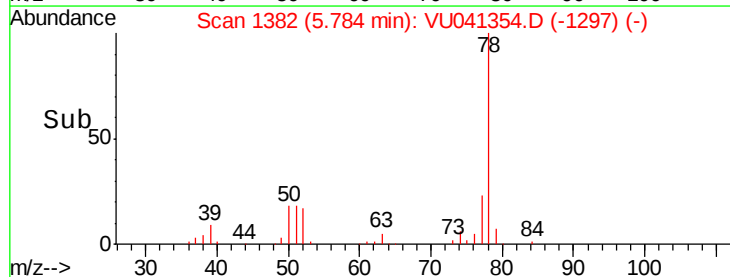
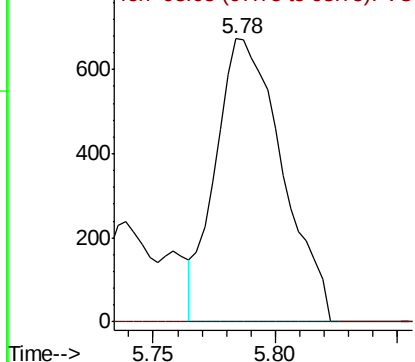


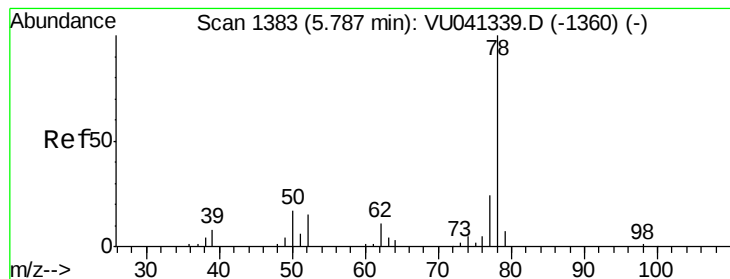
#27
 1,2-Dichloroethane
 Concen: 0.194 ug/L
 RT: 5.78 min Scan# 1382
 Delta R.T. -0.03 min
 Lab File: VU041354.D
 Acq: 19 Nov 2020 19:36

Tgt Ion: 62 Resp: 1279
 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: 6.710 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

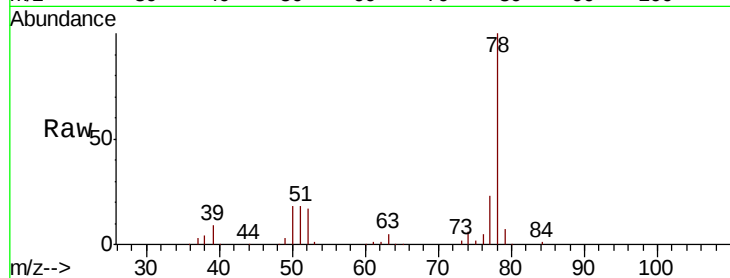
Instrument :

MSVOA_U

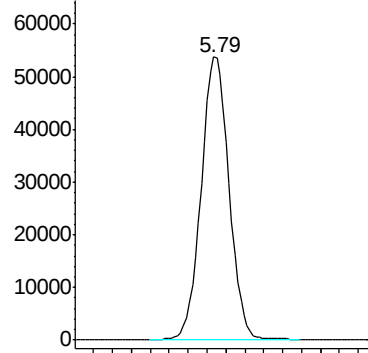
ClientSampleId :

H4419MS

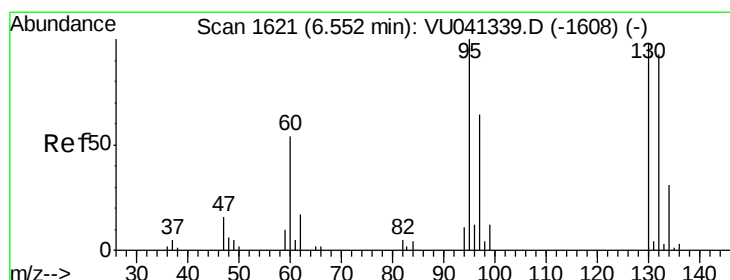
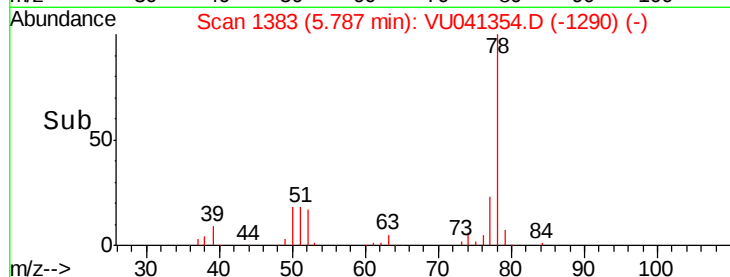
Tgt Ion: 78 Resp: 110230



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 6.096 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

Tgt Ion: 95 Resp: 27063

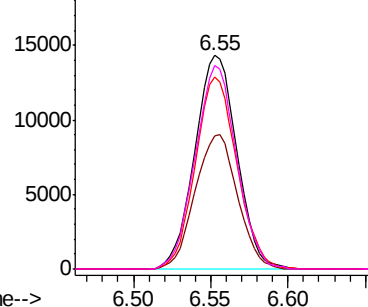
Ion	Ratio	Lower	Upper
95	100		
97	62.2	45.6	84.6
132	89.9	64.8	120.4
130	95.4	64.8	120.4

Abundance Ion 95.00 (94.70 to 95.70): VU0

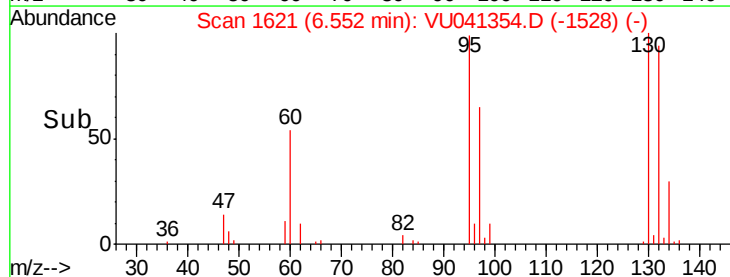
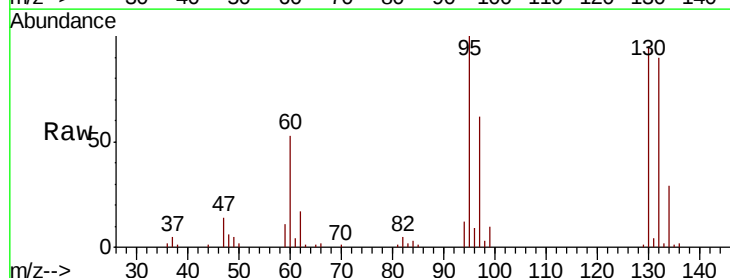
Ion 96.95 (96.65 to 97.65): VU0

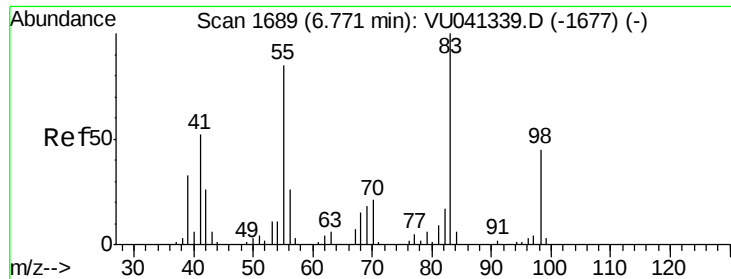
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Time-->

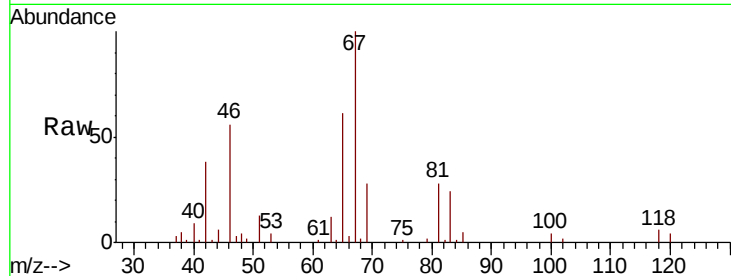




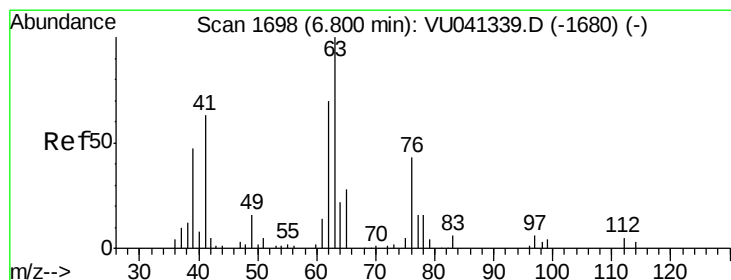
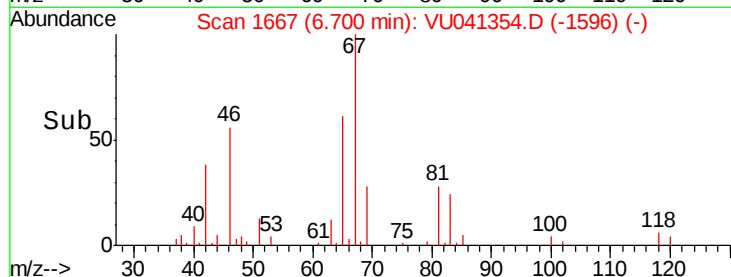
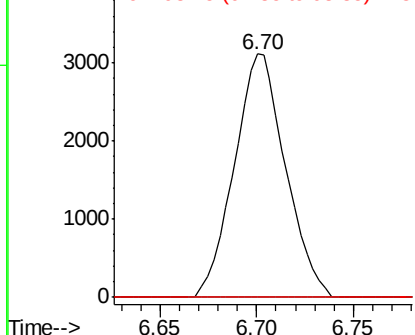
#35
Methvlcvclohexane
Concen: 0.970 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

Instrument :
MSVOA_U
ClientSampleId :
H4419MS

Tot Ion: 83 Resp: 5721
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

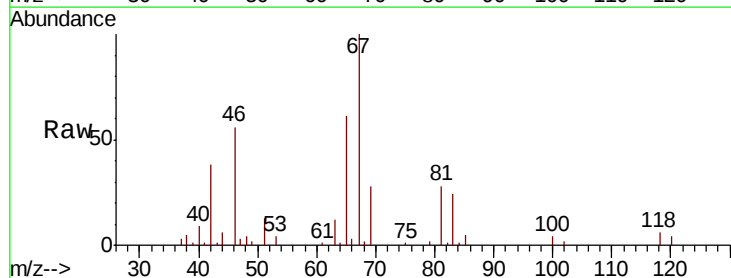


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

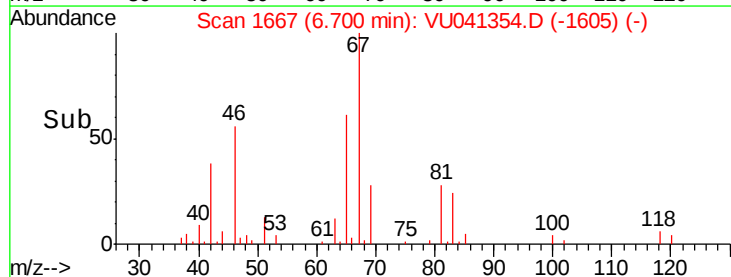
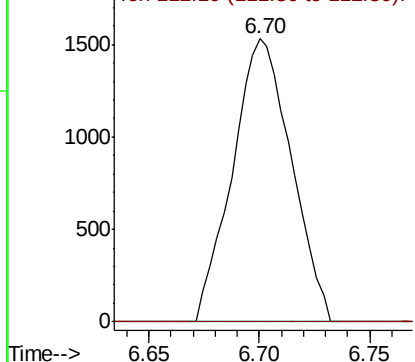


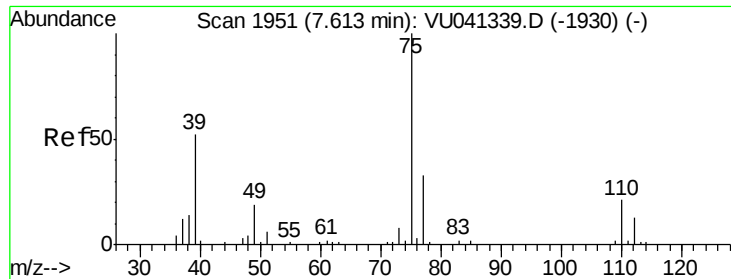
#37
1,2-Dichloropropane
Concen: 0.590 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

Tgt Ion: 63 Resp: 2832
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

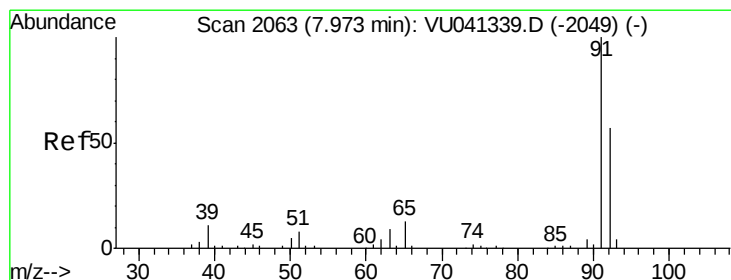
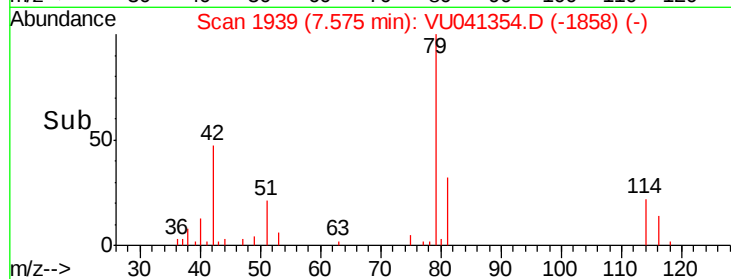
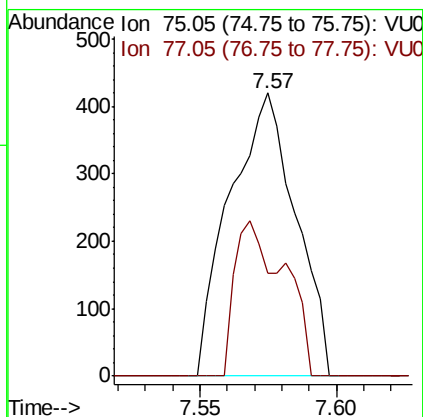
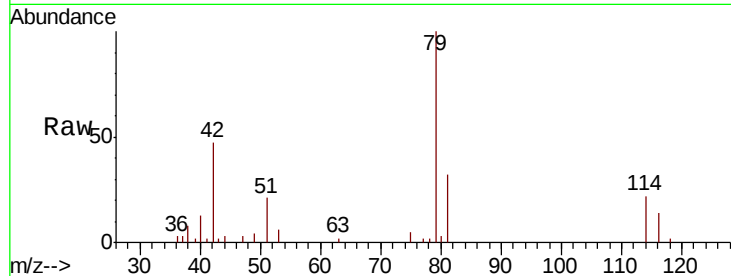




#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041354.D
 Acq: 19 Nov 2020 19:36

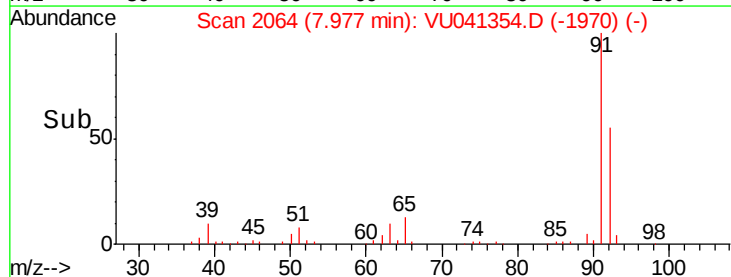
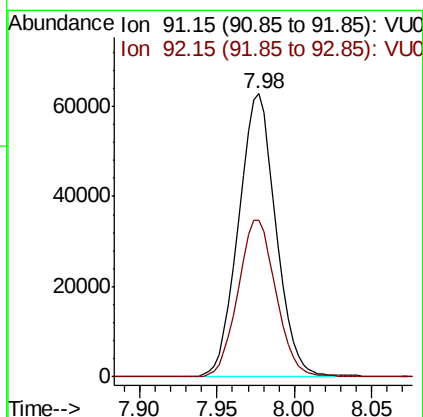
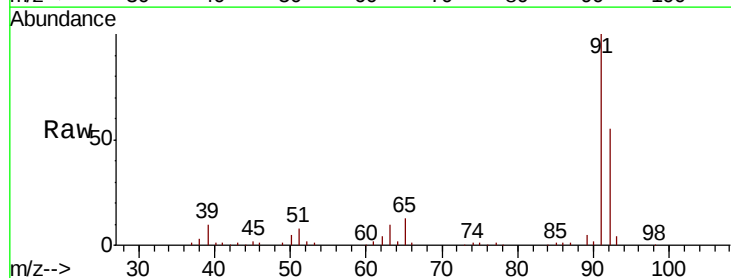
Instrument :
 MSVOA_U
 ClientSampleId :
 H4419MS

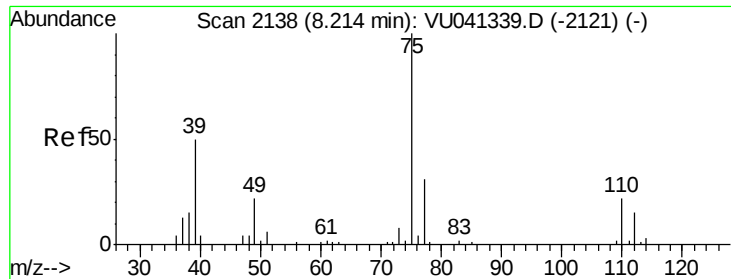
Tot Ion: 75 Resp: 704
 Ion Ratio Lower Upper
 75 100
 77 36.4 22.7 42.3



#42
 Toluene
 Concen: 6.008 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU041354.D
 Acq: 19 Nov 2020 19:36

Tgt Ion: 91 Resp: 105470
 Ion Ratio Lower Upper
 91 100
 92 55.3 40.6 75.4

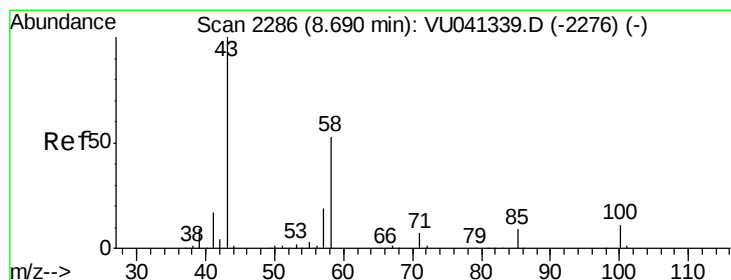
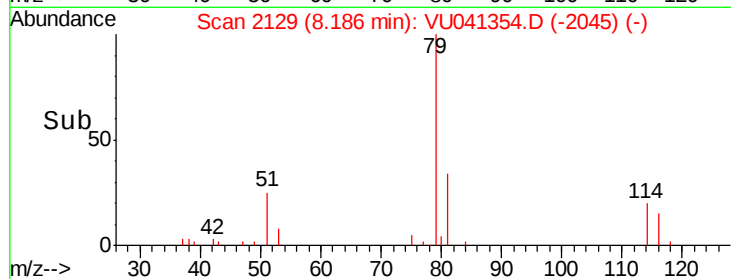
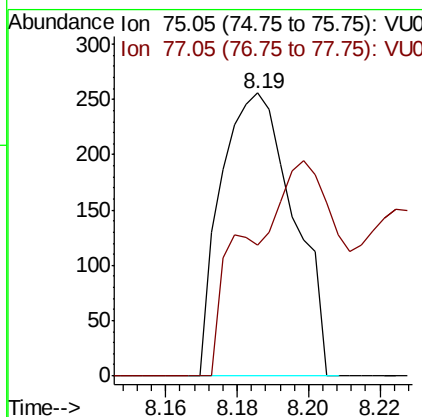
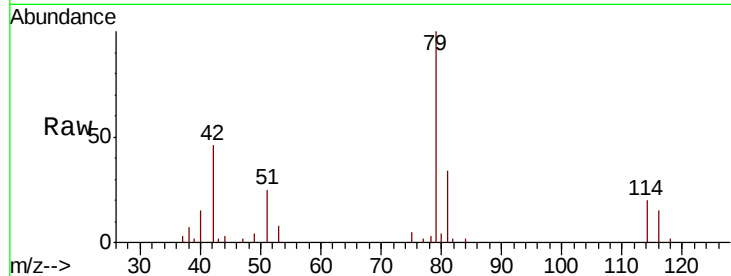




#44
trans-1,3-Dichloropropene
Concen: 0.057 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

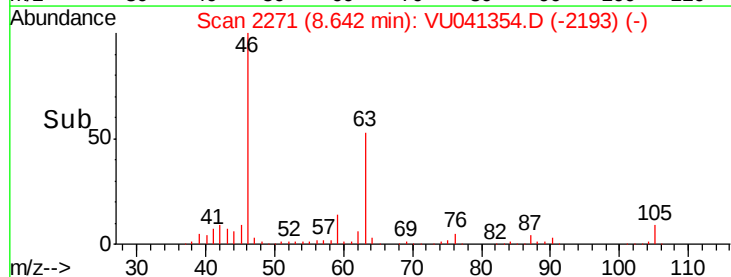
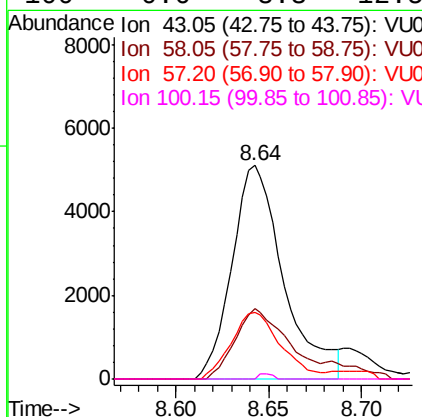
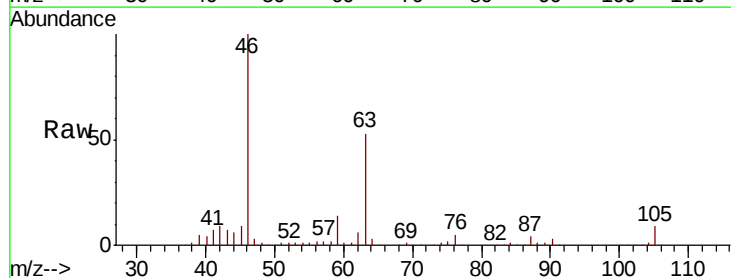
Instrument :
MSVOA_U
ClientSampleId :
H4419MS

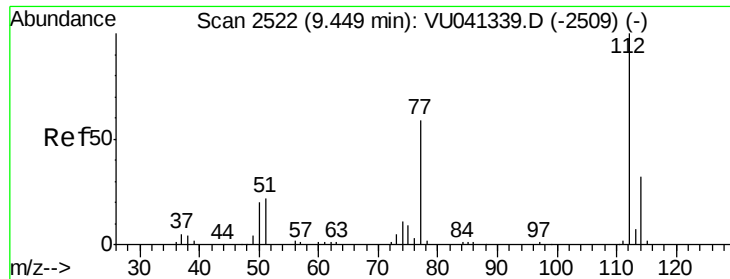
Tot Ion: 75 Resp: 358
Ion Ratio Lower Upper
75 100
77 46.1 23.3 43.3#



#48
2-Hexanone
Concen: 3.341 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041354.D
Acq: 19 Nov 2020 19:36

Tgt Ion: 43 Resp: 9910
Ion Ratio Lower Upper
43 100
58 33.1 41.4 62.2#
57 30.2 14.6 21.8#
100 0.6 8.3 12.5#





#51

Chlorobenzene

Concen: 5.966 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041354.D

Acq: 19 Nov 2020 19:36

Instrument :

MSVOA_U

ClientSampleId :

H4419MS

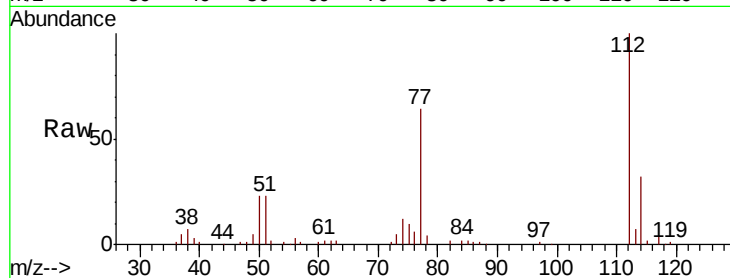
Tot Ion:112 Resp: 69376

Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

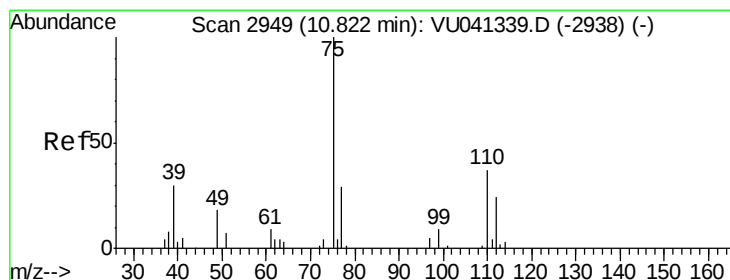
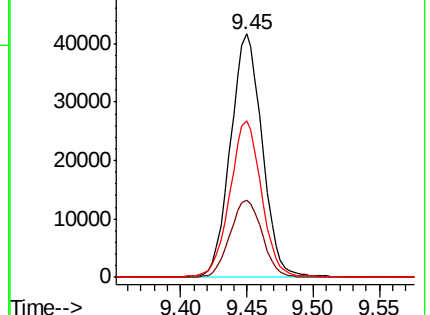
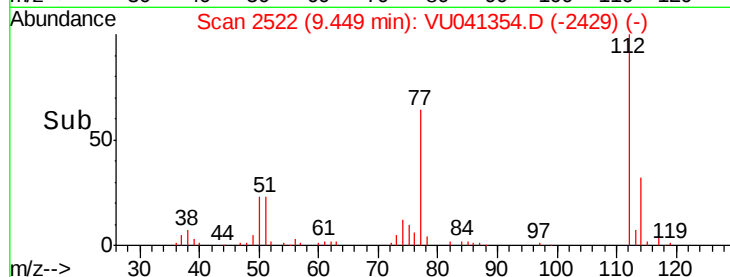
77 64.3 51.2 76.8



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.840 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041354.D

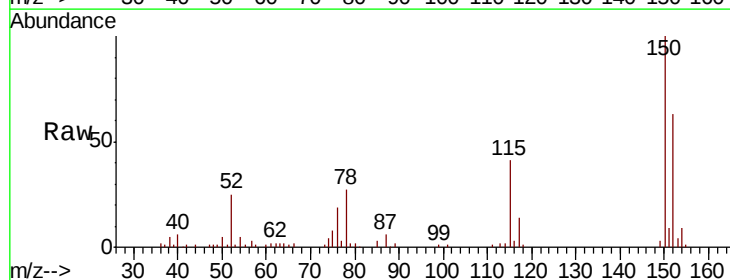
Acq: 19 Nov 2020 19:36

Tgt Ion: 75 Resp: 3180

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

