

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040901.D
 Acq On : 22 Oct 2020 12:18
 Operator : SY/MD
 Sample : L4428-22
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ54

Quant Time: Oct 22 23:25:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 23:17:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	215073	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	223245	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	91267	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	82524	5.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.00%
7) Chloroethane-d5	1.92	69	74763	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.58	63	125486	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	4.65	46	351000	67.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.10%#
24) Chloroform-d	5.08	84	175868	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.72	65	109818	6.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.20%
32) Benzene-d6	5.74	84	315408	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.70	67	106575	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.90	98	245313	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	8.19	79	38101	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.64	63	246493	61.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	101363	6.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	97258	6.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.20%#

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	4731	0.200 ug/L	97
5) Vinyl chloride	1.61	62	13016	0.591 ug/L #	36
8) Chloroethane	1.95	64	3588	0.252 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	809	0.048 ug/L #	22
12) 1,1-Dichloroethene	2.58	96	1725	0.110 ug/L #	1
13) Acetone	2.66	43	9001	2.446 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	9686	0.593 ug/L	94
22) cis-1,2-Dichloroethene	4.68	96	445609	24.842 ug/L	100
27) 1,2-Dichloroethane	5.82	62	1776	0.078 ug/L #	76
30) Cyclohexane	5.40	56	6876	0.238 ug/L	87
33) Benzene	5.79	78	5831	0.081 ug/L	100
34) Trichloroethene	6.55	95	5793	0.317 ug/L	92
35) Methylcyclohexane	6.77	83	1856	0.068 ug/L #	89
37) 1,2-Dichloropropane	6.71	63	12229	0.631 ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	2444	0.094 ug/L #	53
44) trans-1,3-Dichloropropene	8.19	75	1849	0.079 ug/L #	77
48) 2-Hexanone	8.64	43	37928	4.010 ug/L #	71

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 22 23:17:57 2020
Response via : Initial Calibration

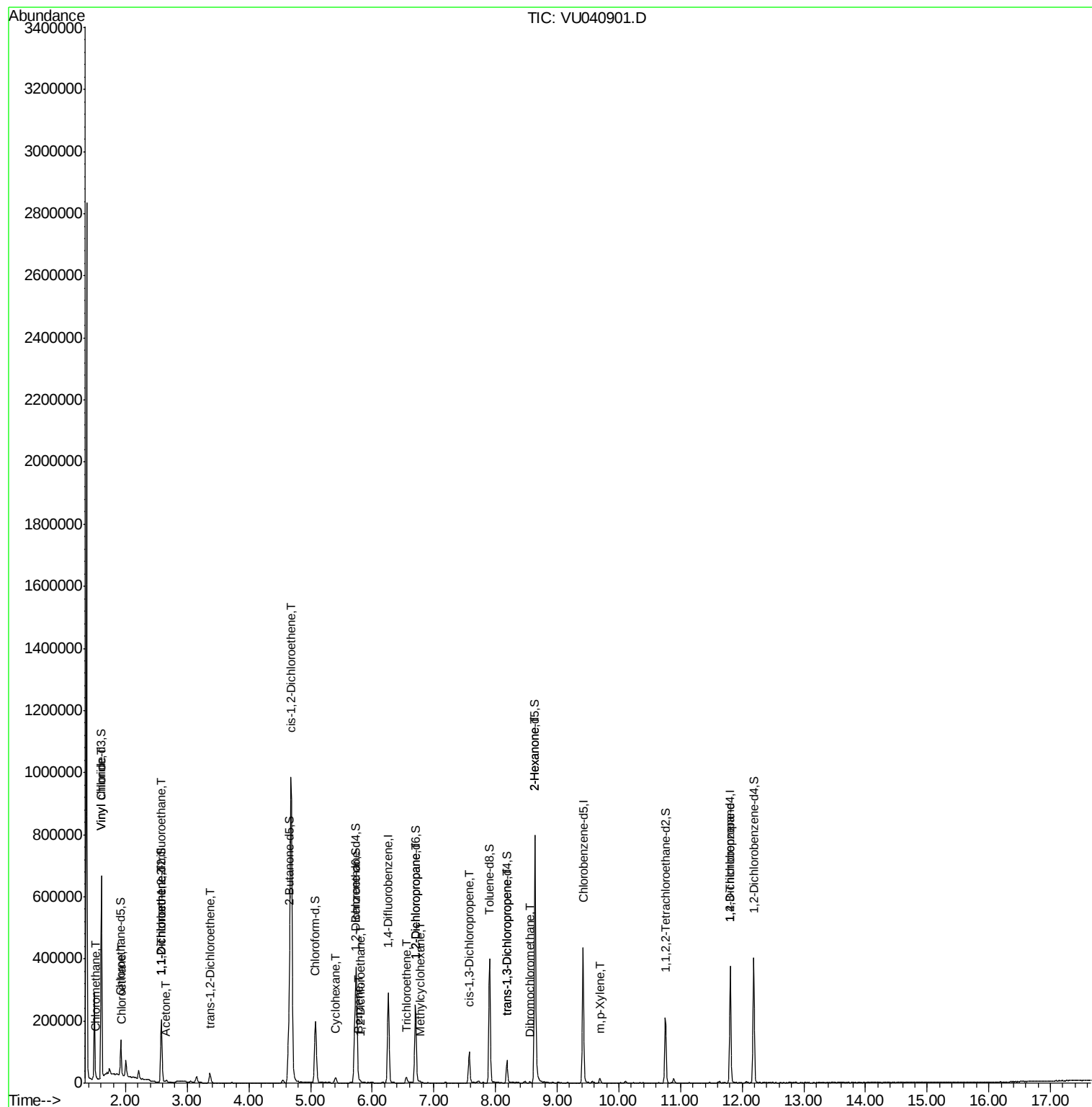
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.55	129	775	0.049	ug/L #	9
53) m,p-Xylene	9.69	106	3610	0.129	ug/L	93
59) 1,2,3-Trichloropropane	11.81	75	12426	0.987	ug/L	89

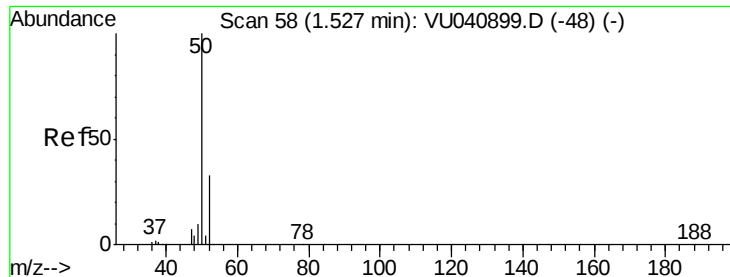
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU102120\
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.200 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040901.D

Acq: 22 Oct 2020 12:18

Instrument :

MSVOA_U

ClientSampleId :

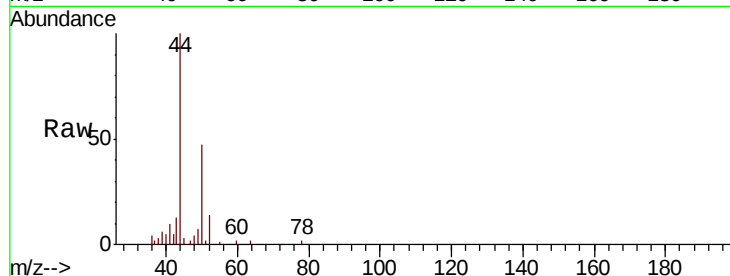
ETZ54

Tot Ion: 50 Resp: 4731

Ion Ratio Lower Upper

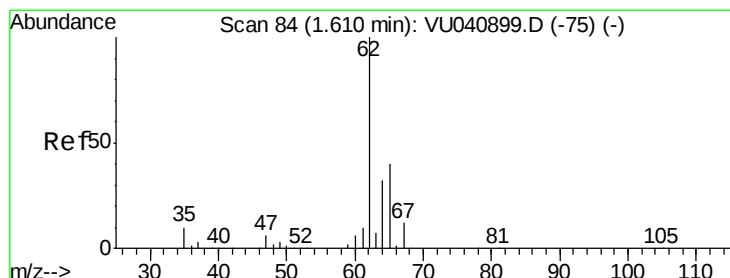
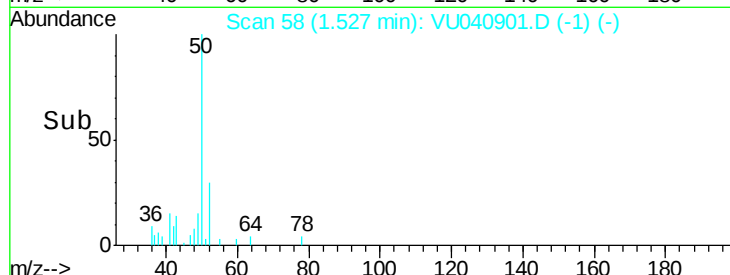
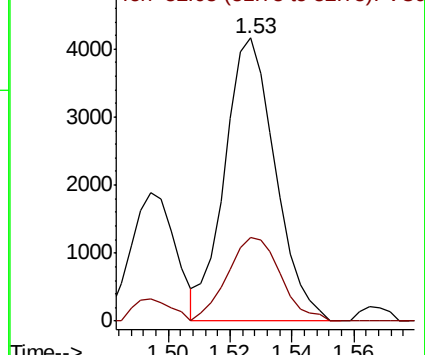
50 100

52 29.8 21.8 40.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.591 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040901.D

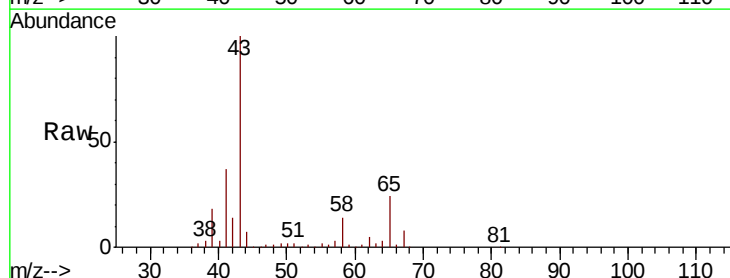
Acq: 22 Oct 2020 12:18

Tgt Ion: 62 Resp: 13016

Ion Ratio Lower Upper

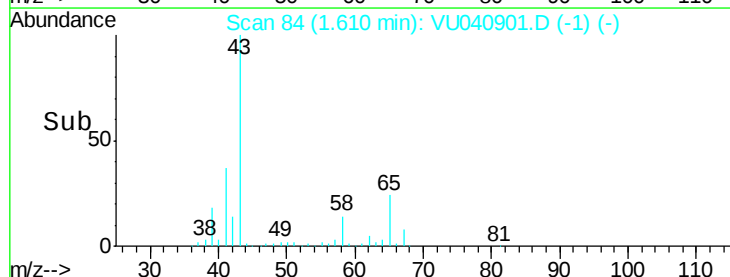
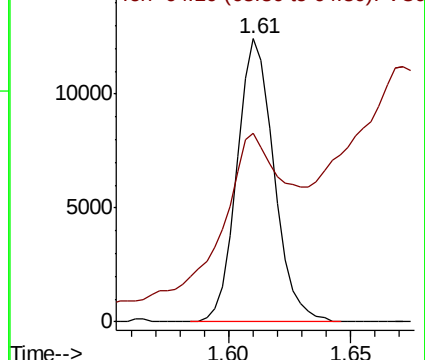
62 100

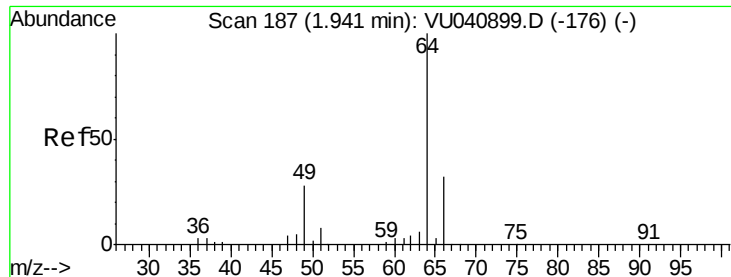
64 66.7 21.8 40.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.252 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU040901.D

Acq: 22 Oct 2020 12:18

Instrument :

MSVOA_U

ClientSampleId :

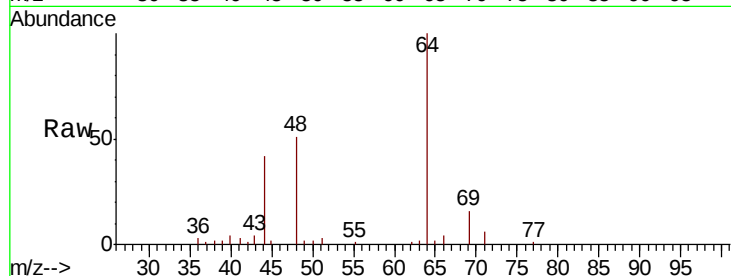
ETZ54

Tot Ion: 64 Resp: 3588

Ion Ratio Lower Upper

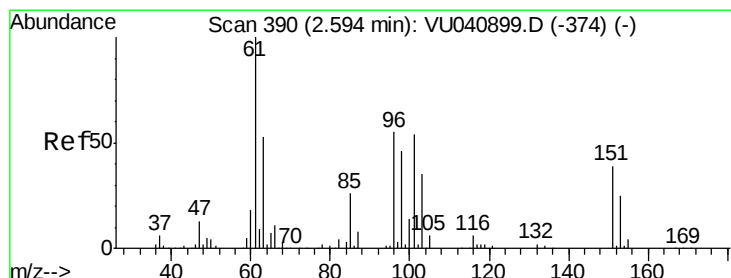
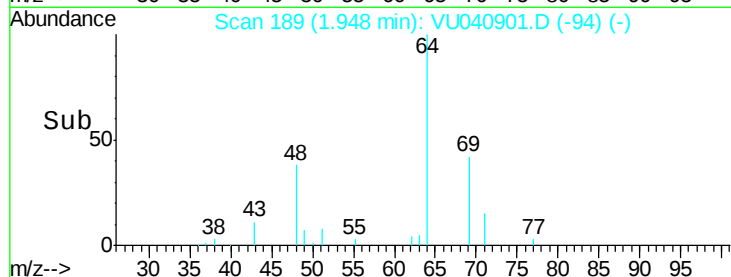
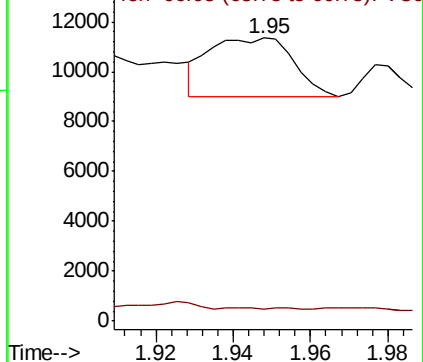
64 100

66 4.5 21.2 39.4#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#10

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

Concen: 0.048 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040901.D

Acq: 22 Oct 2020 12:18

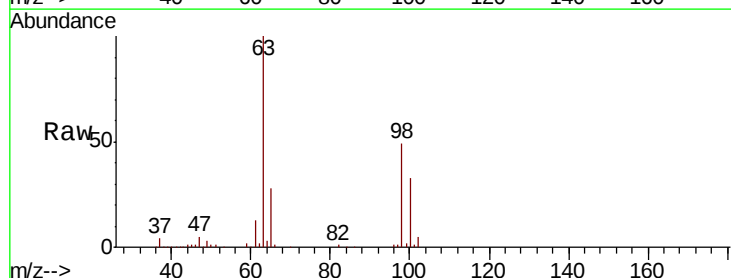
Tgt Ion: 101 Resp: 809

Ion Ratio Lower Upper

101 100

85 2.6 36.4 54.6#

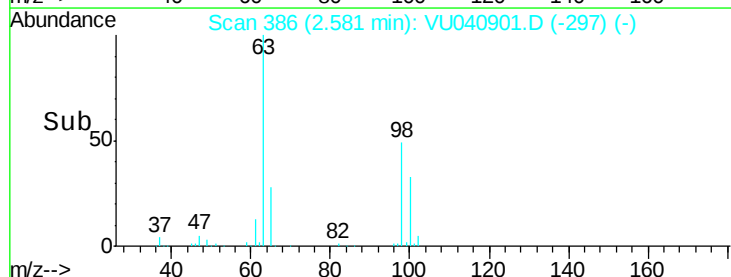
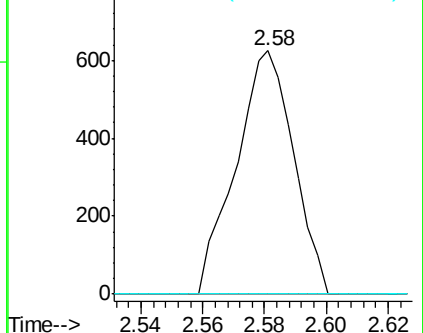
151 0.0 56.3 84.5#

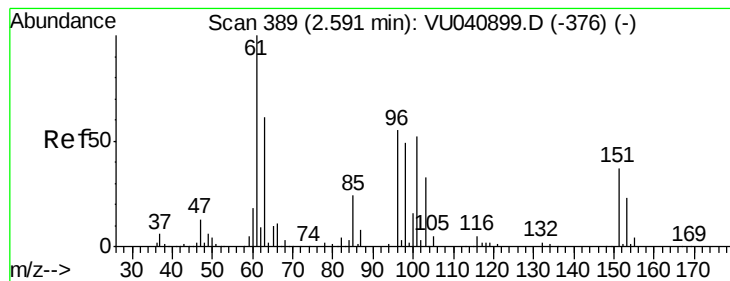


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.110 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040901.D

Acq: 22 Oct 2020 12:18

Instrument :

MSVOA_U

ClientSampleId :

ETZ54

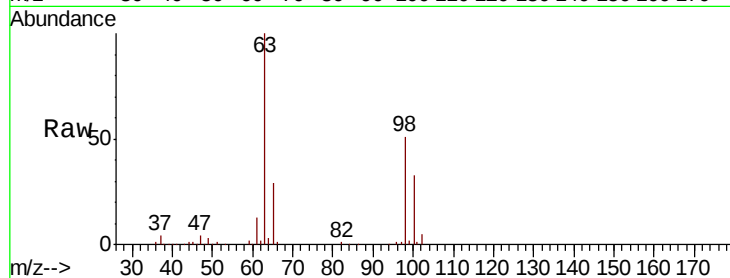
Tot Ion: 96 Resp: 1725

Ion Ratio Lower Upper

96 100

61 1199.6 130.9 243.1#

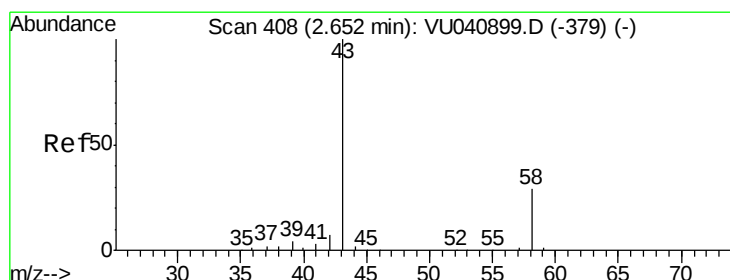
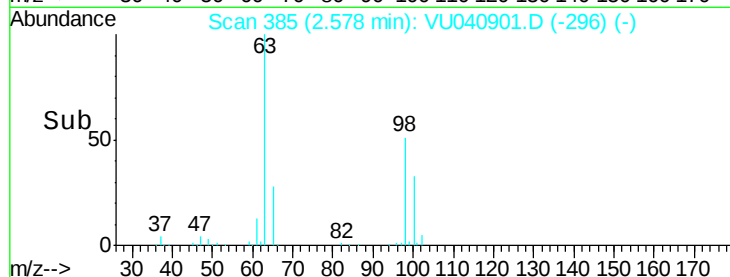
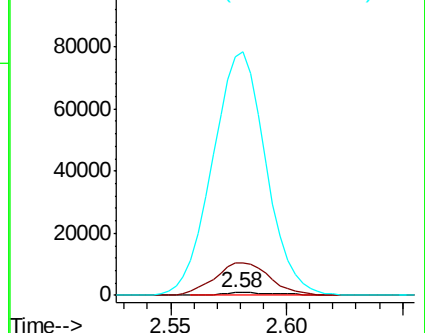
63 9024.2 85.4 158.6#



Abundance Ion 96.00 (95.70 to 96.70): VU040901.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU040901.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU040901.D (-296) (-)



#13

Acetone

Concen: 2.446 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU040901.D

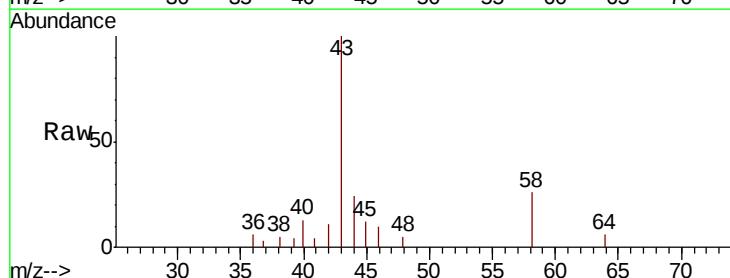
Acq: 22 Oct 2020 12:18

Tgt Ion: 43 Resp: 9001

Ion Ratio Lower Upper

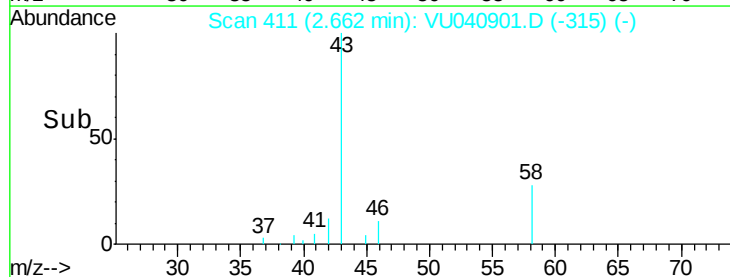
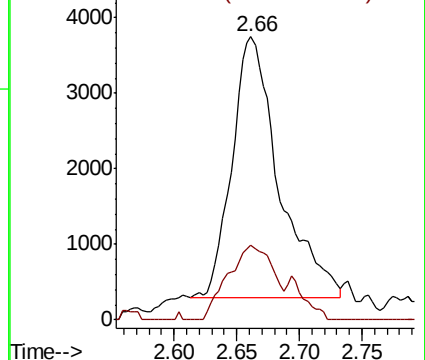
43 100

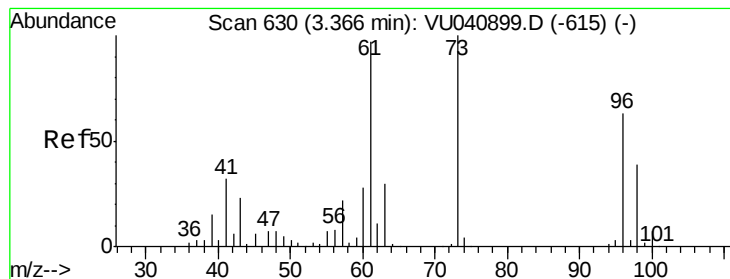
58 27.5 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU040901.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU040901.D (-315) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.593 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040901.D

Acq: 22 Oct 2020 12:18

Instrument :

MSVOA_U

ClientSampled :

ETZ54

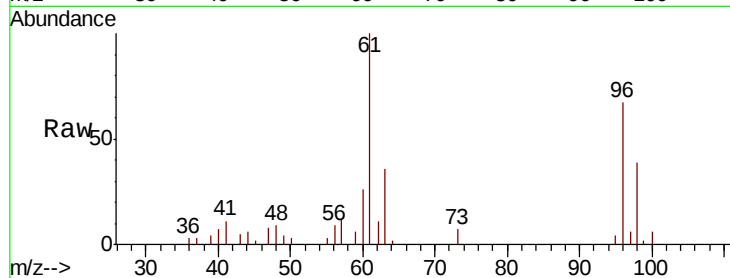
Tot Ion: 96 Resp: 9686

Ion Ratio Lower Upper

96 100

61 149.1 107.9 200.3

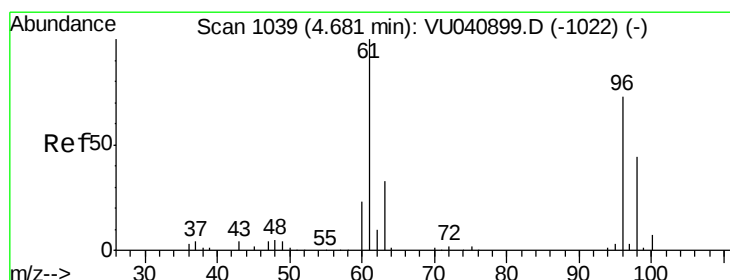
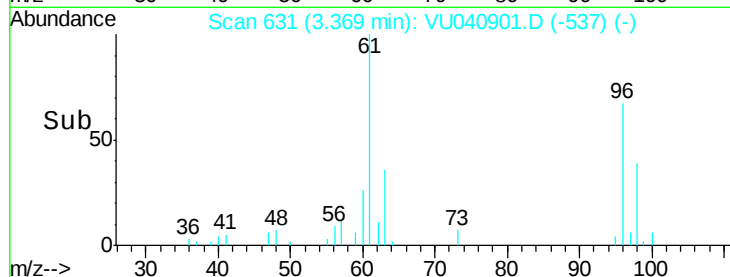
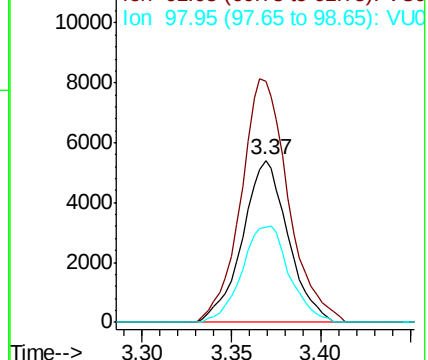
98 58.6 47.5 88.1



Abundance Ion 96.00 (95.70 to 96.70): VU040901.D (-537) (-)

Ion 61.05 (60.75 to 61.75): VU040901.D (-537) (-)

Ion 97.95 (97.65 to 98.65): VU040901.D (-537) (-)



#22

cis-1,2-Dichloroethene

Concen: 24.842 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040901.D

Acq: 22 Oct 2020 12:18

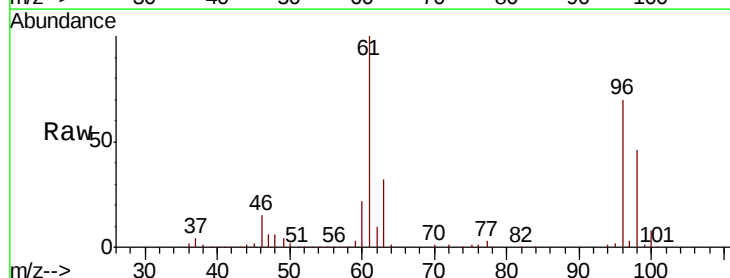
Tgt Ion: 96 Resp: 445609

Ion Ratio Lower Upper

96 100

61 142.4 100.0 185.6

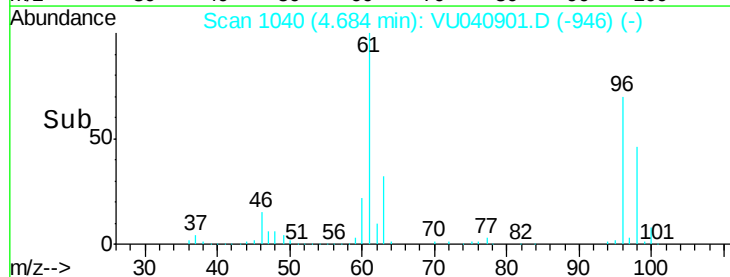
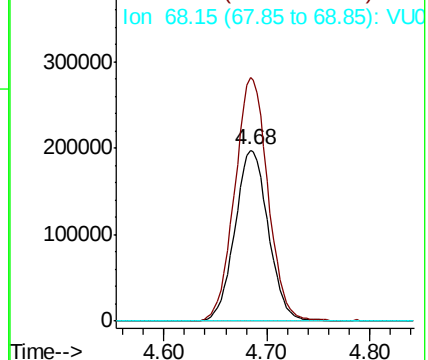
68 0.0 0.0 0.0

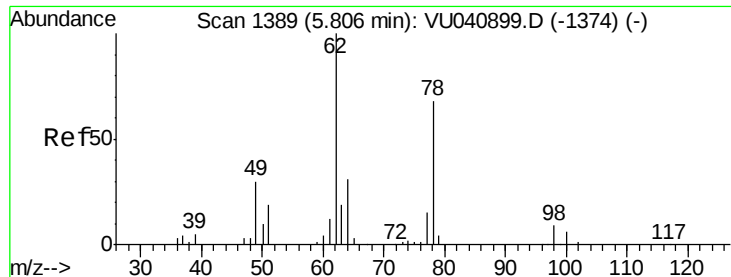


Abundance Ion 96.00 (95.70 to 96.70): VU040901.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU040901.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU040901.D (-946) (-)





#27

1,2-Dichloroethane

Concen: 0.078 ug/L

RT: 5.82 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VU040901.D

Acq: 22 Oct 2020 12:18

Instrument :

MSVOA_U

ClientSampleId :

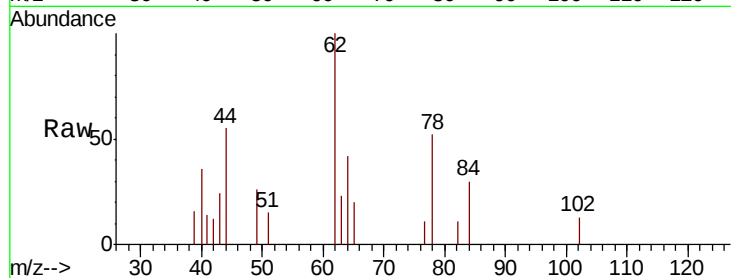
ETZ54

Tot Ion: 62 Resp: 1776

Ion Ratio Lower Upper

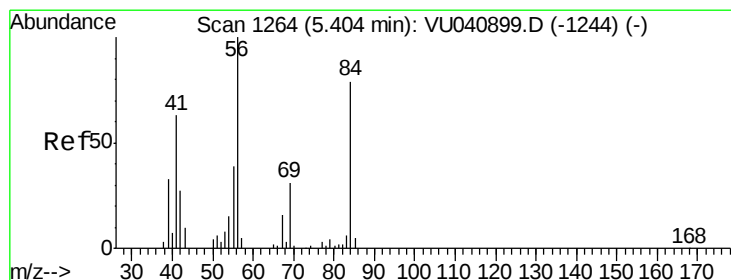
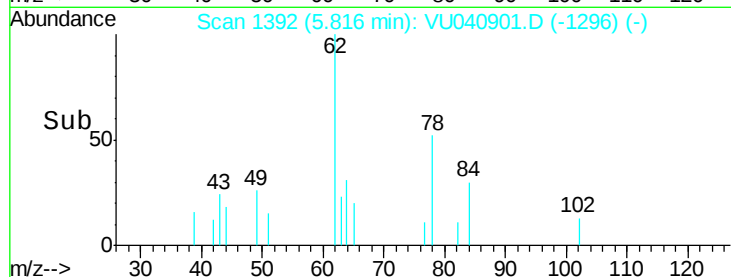
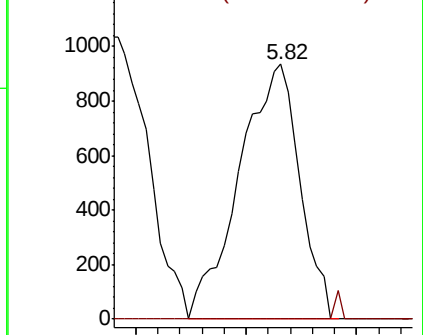
62 100

98 0.0 7.0 10.6#



Abundance Ion 62.00 (61.70 to 62.70): VU040899.D (-1374) (-)

Ion 98.05 (97.75 to 98.75): VU040899.D (-1374) (-)



#30

Cyclohexane

Concen: 0.238 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040901.D

Acq: 22 Oct 2020 12:18

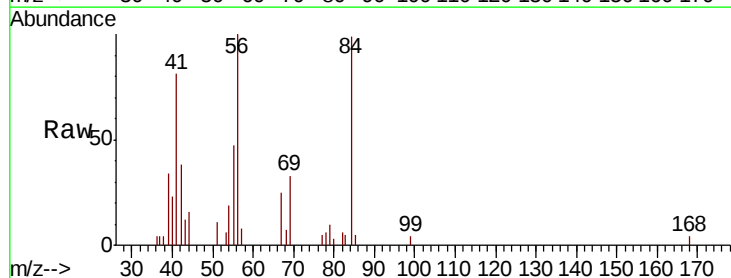
Tgt Ion: 56 Resp: 6876

Ion Ratio Lower Upper

56 100

69 31.2 22.6 33.8

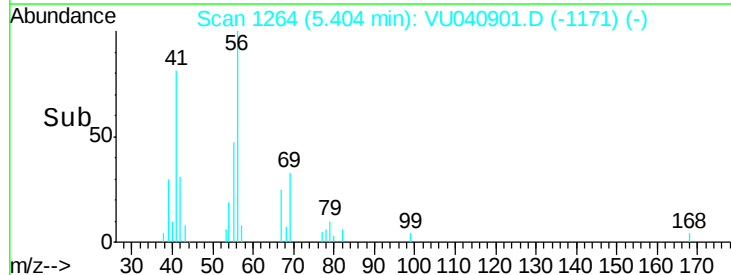
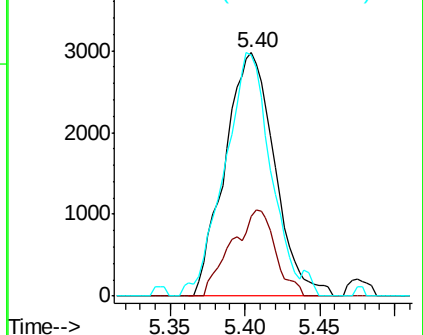
84 92.2 63.0 94.6

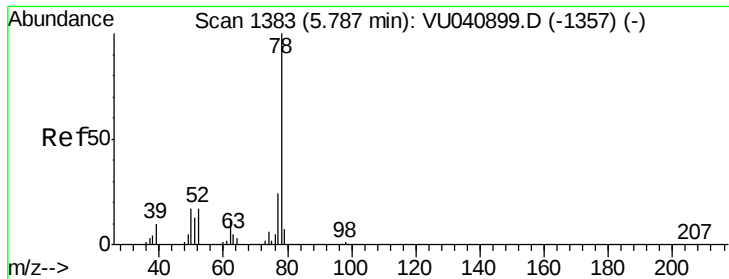


Abundance Ion 56.10 (55.80 to 56.80): VU040899.D (-1244) (-)

Ion 69.15 (68.85 to 69.85): VU040899.D (-1244) (-)

Ion 84.15 (83.85 to 84.85): VU040899.D (-1244) (-)

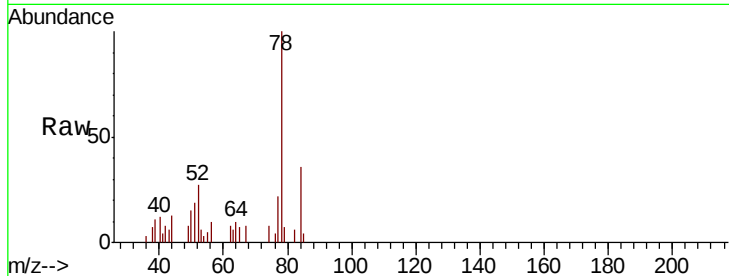




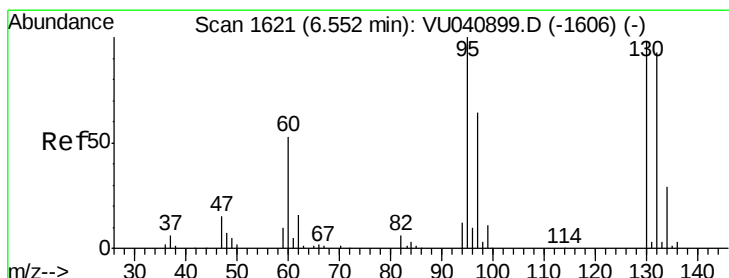
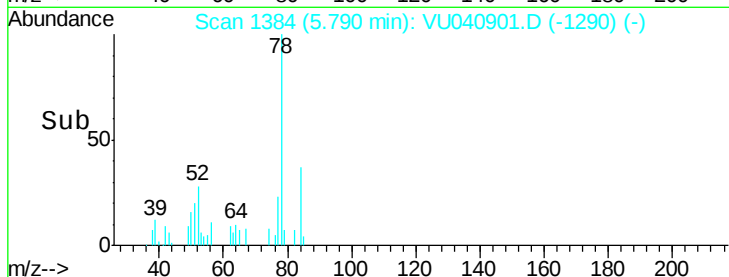
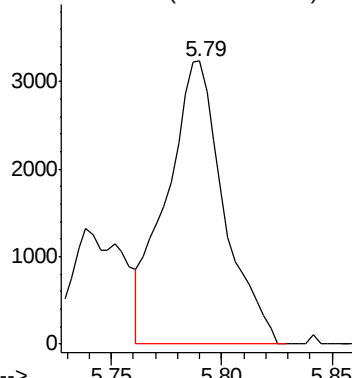
#33
Benzene
Concen: 0.081 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040901.D
Acq: 22 Oct 2020 12:18

Instrument :
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ETZ54

Tgt Ion: 78 Resp: 5831

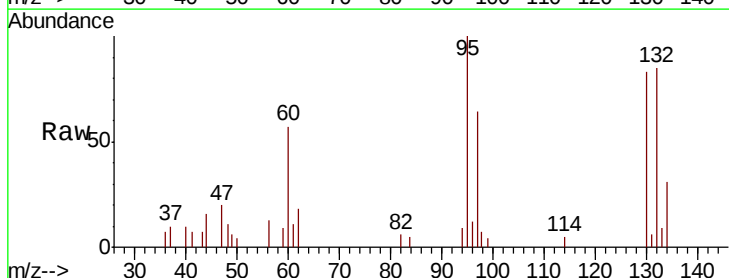


Abundance Ion 78.10 (77.80 to 78.80): VU0



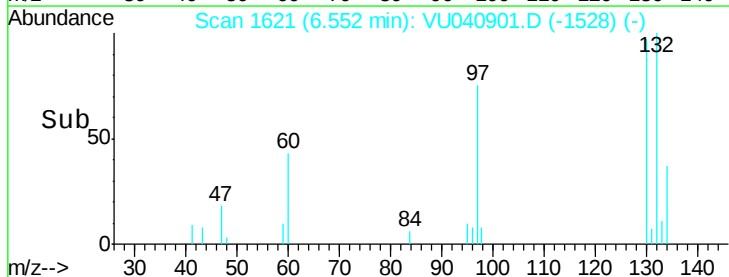
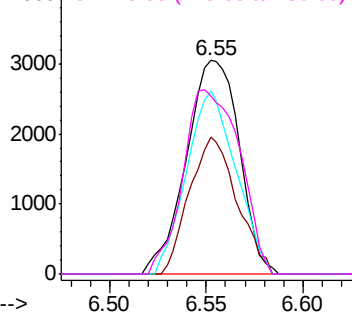
#34
Trichloroethene
Concen: 0.317 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU040901.D
Acq: 22 Oct 2020 12:18

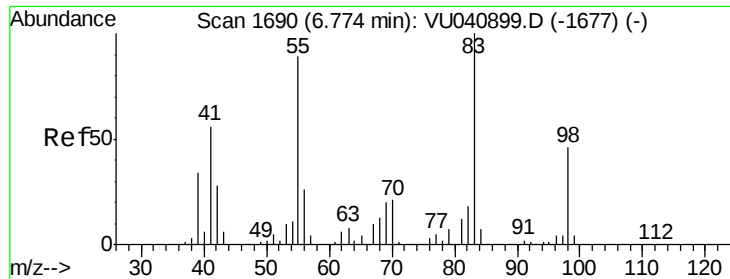
Tgt Ion: 95 Resp: 5793
Ion Ratio Lower Upper
95 100
97 63.9 46.0 85.4
132 85.5 63.6 118.2
130 83.0 68.6 127.4



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): VU0
Ion 129.95 (129.65 to 130.65): VU0

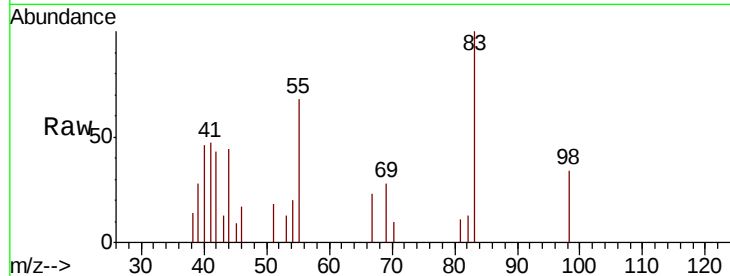




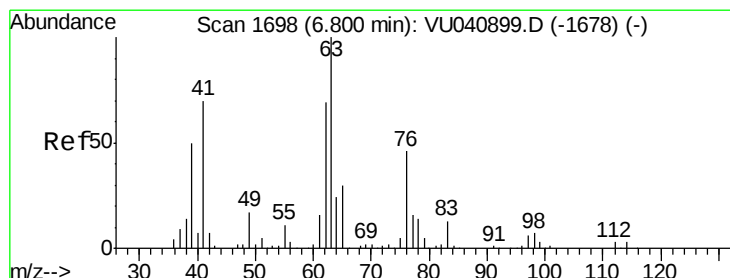
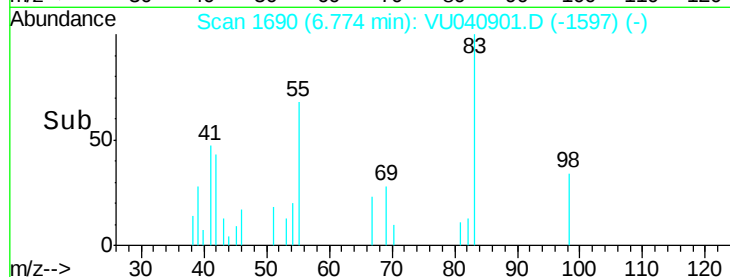
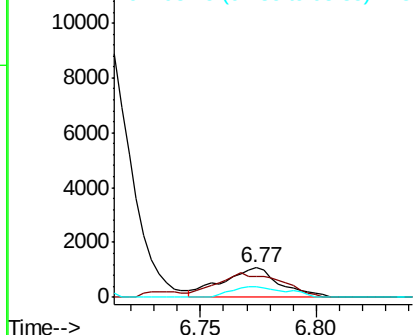
#35
Methylcyclohexane
Concen: 0.068 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU040901.D
Acq: 22 Oct 2020 12:18

Instrument :
MSVOA_U
ClientSampleId :
ETZ54

Tot Ion: 83 Resp: 1856
Ion Ratio Lower Upper
83 100
55 92.7 69.1 103.7
98 34.3 37.8 56.6#

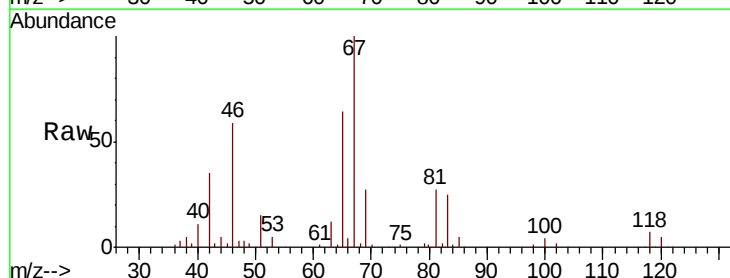


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

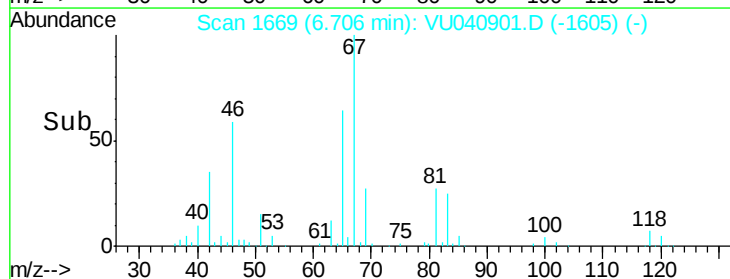
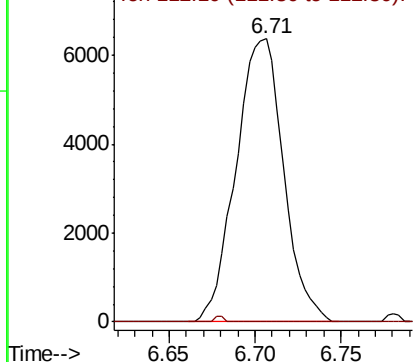


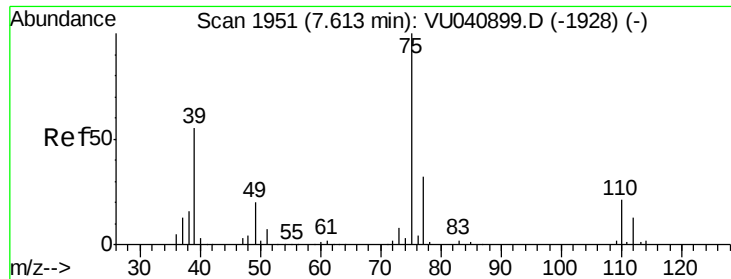
#37
1,2-Dichloropropane
Concen: 0.631 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU040901.D
Acq: 22 Oct 2020 12:18

Tgt Ion: 63 Resp: 12229
Ion Ratio Lower Upper
63 100
112 0.4 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

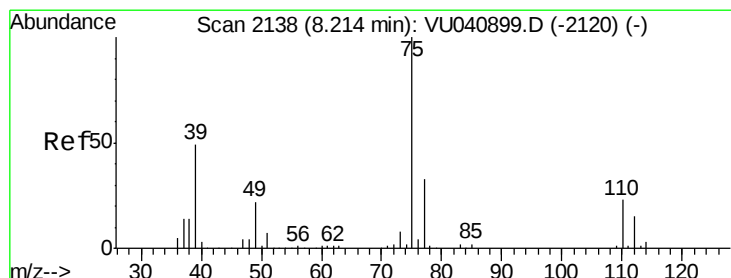
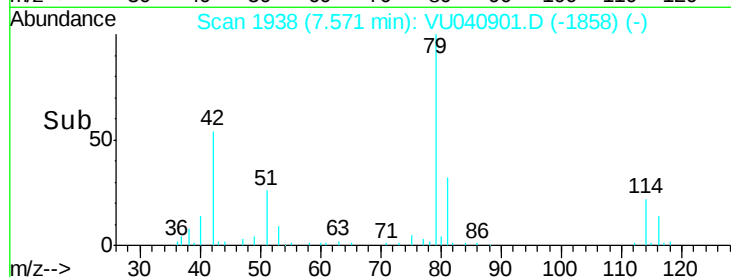
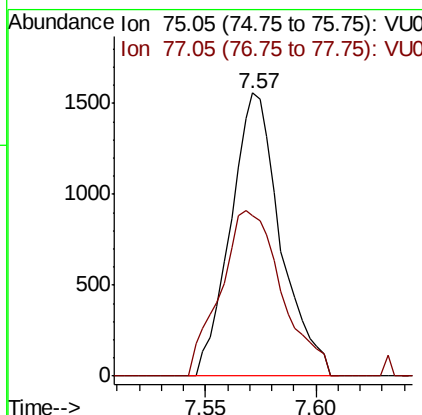
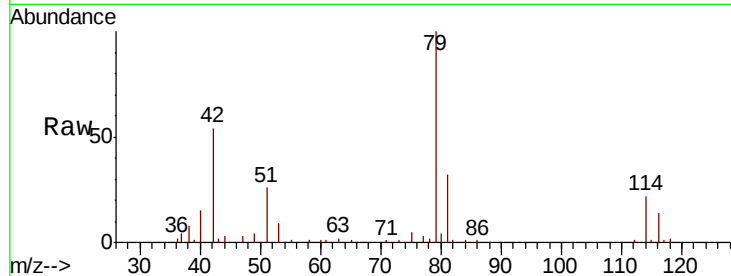




#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040901.D
 Acq: 22 Oct 2020 12:18

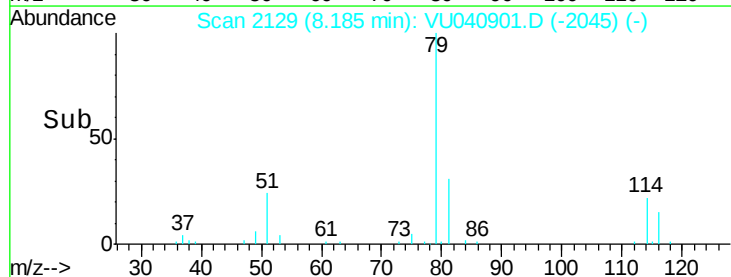
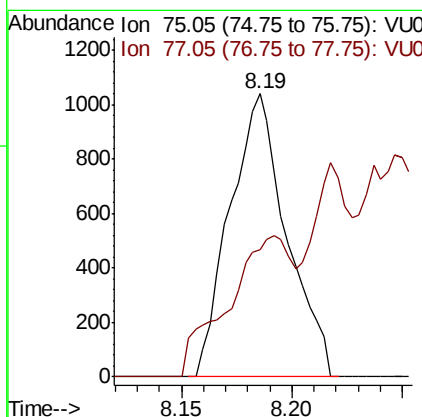
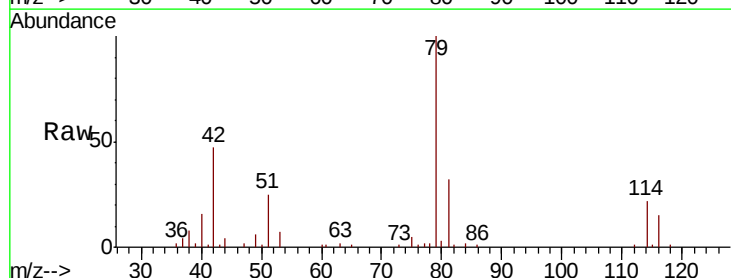
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ54

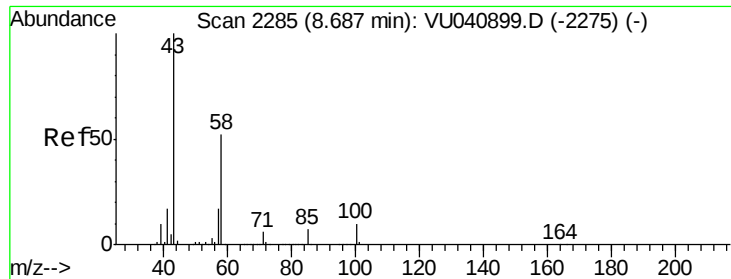
Tot Ion: 75 Resp: 2444
 Ion Ratio Lower Upper
 75 100
 77 56.6 21.6 40.2#



#44
 trans-1,3-Dichloropropene
 Concen: 0.079 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU040901.D
 Acq: 22 Oct 2020 12:18

Tgt Ion: 75 Resp: 1849
 Ion Ratio Lower Upper
 75 100
 77 44.9 22.6 42.0#

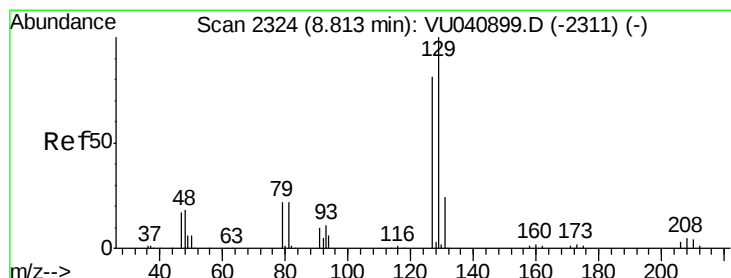
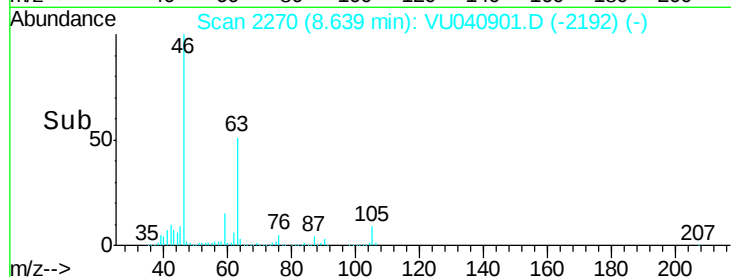
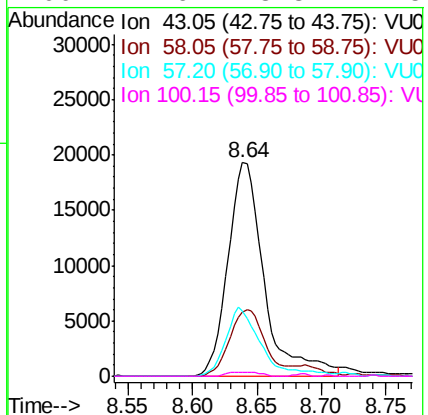
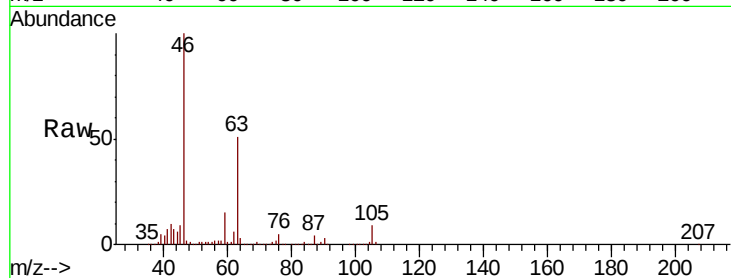




#48
2-Hexanone
Concen: 4.010 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040901.D
Acq: 22 Oct 2020 12:18

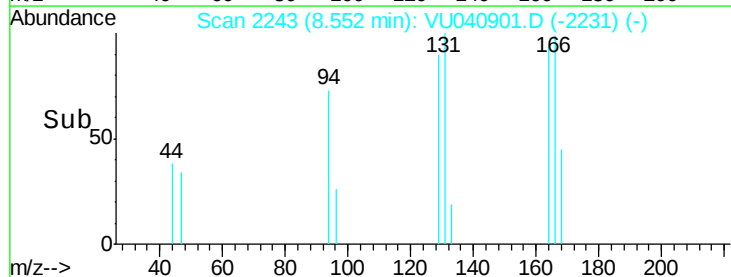
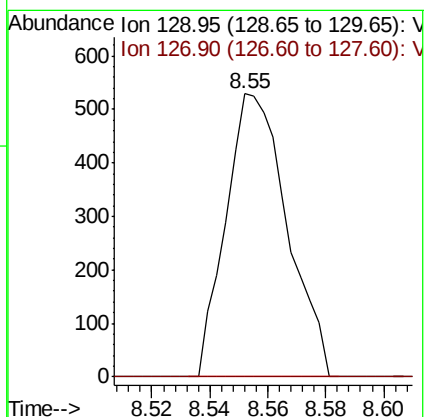
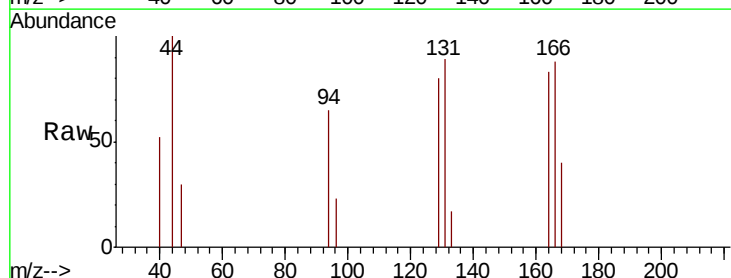
Instrument :
MSVOA_U
ClientSampleId :
ETZ54

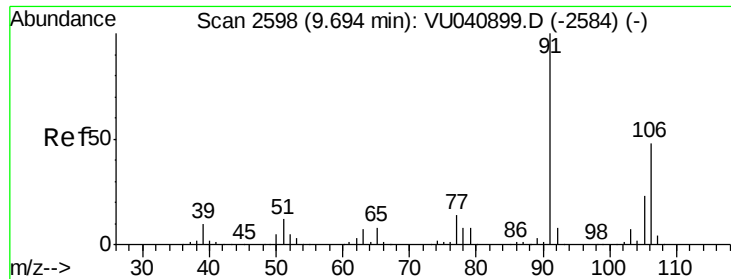
Tot Ion: 43 Resp: 37928
Ion Ratio Lower Upper
43 100
58 30.0 40.9 61.3#
57 29.7 14.4 21.6#
100 1.6 8.3 12.5#



#49
Dibromochloromethane
Concen: 0.049 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.26 min
Lab File: VU040901.D
Acq: 22 Oct 2020 12:18

Tgt Ion:129 Resp: 775
Ion Ratio Lower Upper
129 100
127 0.0 55.9 103.9#





#53

m,p-Xylene

Concen: 0.129 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040901.D

Acq: 22 Oct 2020 12:18

Instrument :

MSVOA_U

ClientSampleId :

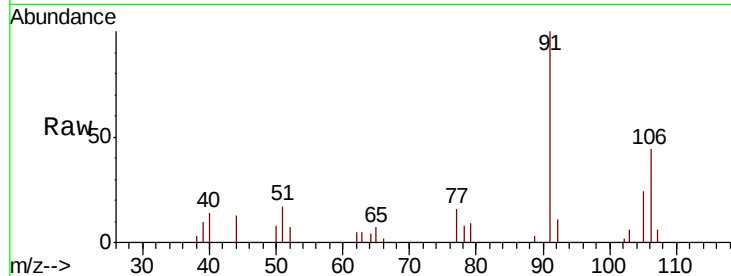
ETZ54

Tot Ion:106 Resp: 3610

Ion Ratio Lower Upper

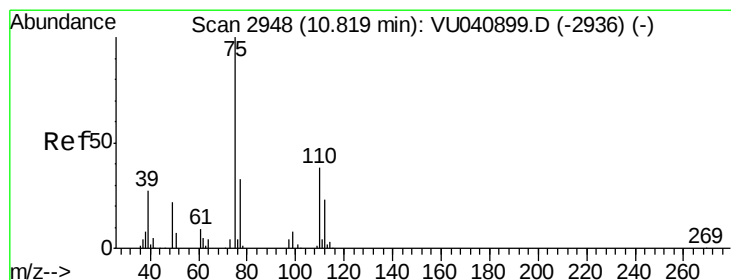
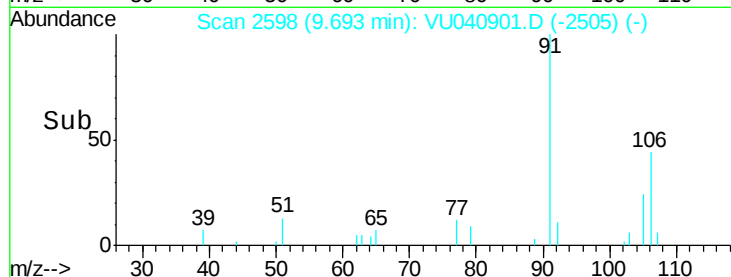
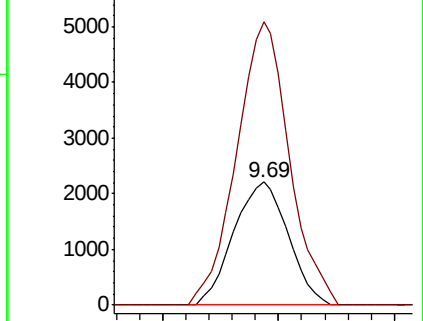
106 100

91 229.5 153.3 284.7



Abundance Ion 106.15 (105.85 to 106.85): VU040899.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU040899.D (-2584) (-)



#59

1,2,3-Trichloropropane

Concen: 0.987 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040901.D

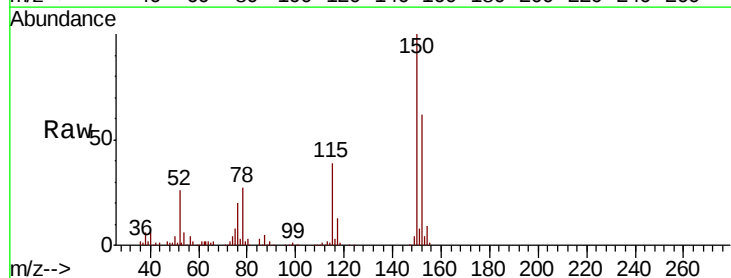
Acq: 22 Oct 2020 12:18

Tgt Ion: 75 Resp: 12426

Ion Ratio Lower Upper

75 100

77 40.8 27.5 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU040899.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040899.D (-2936) (-)

