

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041178.D
 Acq On : 10 Nov 2020 15:09
 Operator : SY/MD
 Sample : L4673-15MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3MSD

Quant Time: Nov 11 00:52:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 00:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	55741	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57040	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25606	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14138	3.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.40%
7) Chloroethane-d5	1.92	69	13949	3.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.60%
11) 1,1-Dichloroethene-d2	2.58	63	35397	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	4.65	46	83944	54.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.86%
24) Chloroform-d	5.08	84	39951	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.72	65	25794	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.74	84	66838	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.70	67	24336	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.90	98	55978	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.19	79	10046	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.64	63	65217	56.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23176	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	24995	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	2358	0.450 ug/L	84
12) 1,1-Dichloroethene	2.59	96	19492	4.951 ug/L	87
13) Acetone	2.67	43	1228	1.165 ug/L	81
18) trans-1,2-Dichloroethene	3.37	96	967	0.242 ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	25407	6.156 ug/L	92
25) Chloroform	5.11	83	416	0.052 ug/L	82
27) 1,2-Dichloroethane	5.78	62	287	0.048 ug/L #	74
33) Benzene	5.79	78	88509	5.193 ug/L	100
34) Trichloroethene	6.55	95	29425	6.784 ug/L	99
35) Methylcyclohexane	6.70	83	5721	0.884 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2892	0.627 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	601	0.095 ug/L #	56
42) Toluene	7.98	91	89036	5.152 ug/L	99
44) trans-1,3-Dichloropropene	8.18	75	387	0.065 ug/L #	58
45) 1,1,2-Trichloroethane	8.49	97	466	0.136 ug/L #	1
48) 2-Hexanone	8.64	43	10360	3.742 ug/L #	72
51) Chlorobenzene	9.45	112	60721	5.541 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 11 00:43:53 2020
Response via : Initial Calibration

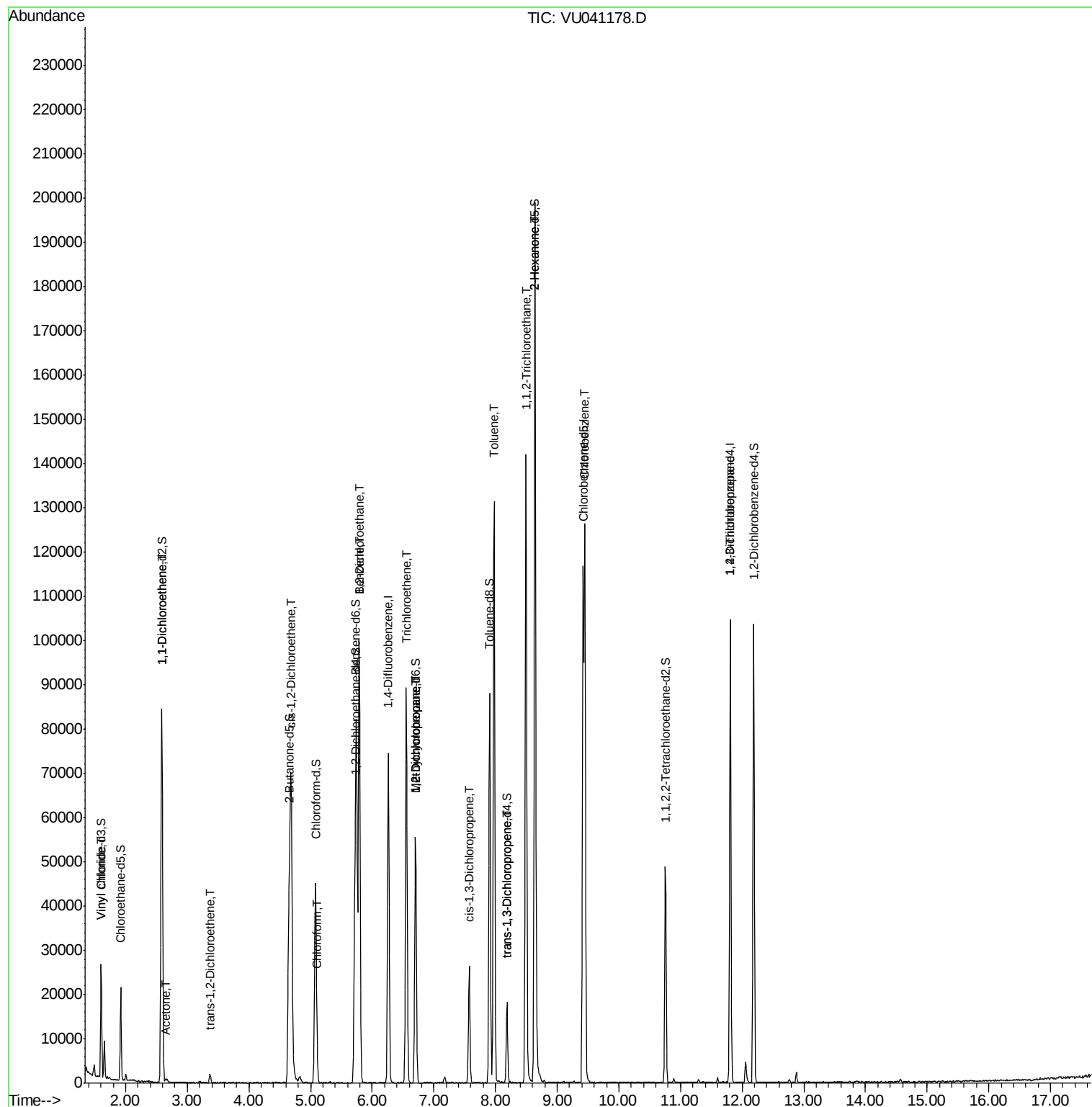
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
59) 1,2,3-Trichloropropane	11.81	75	3251	0.946	ug/L #	87
-----	-----	-----	-----	-----	-----	-----

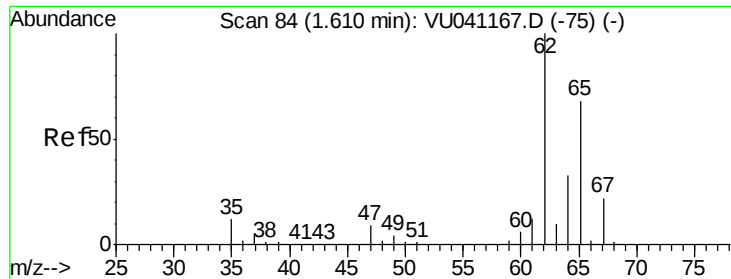
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.450 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

Instrument :

MSVOA_U

ClientSampled :

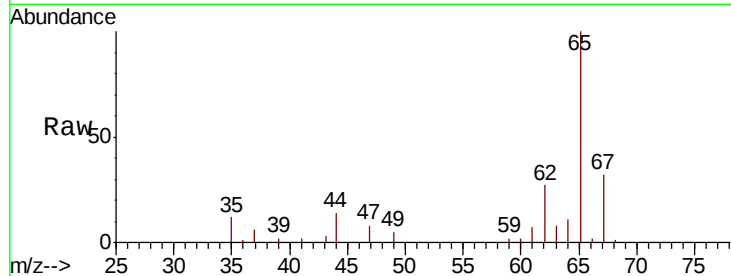
GB0T3MSD

Tot Ion: 62 Resp: 2358

Ion Ratio Lower Upper

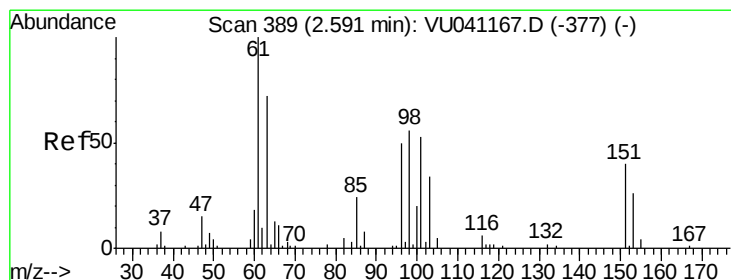
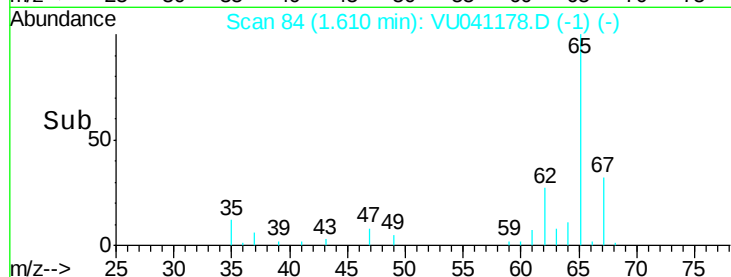
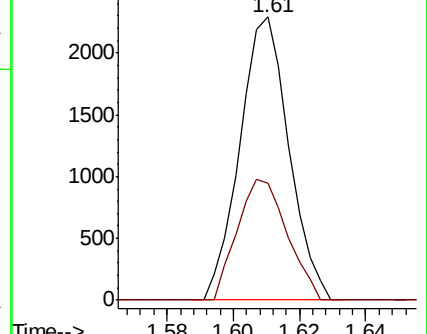
62 100

64 41.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 4.951 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

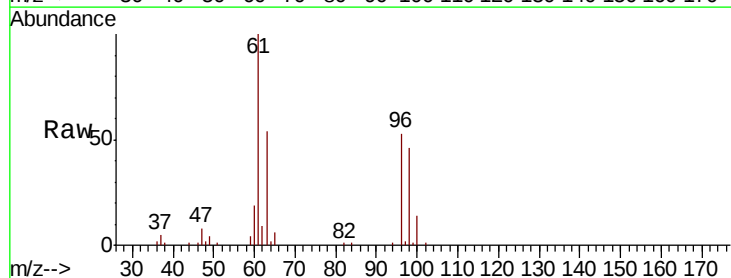
Tgt Ion: 96 Resp: 19492

Ion Ratio Lower Upper

96 100

61 188.3 134.3 249.5

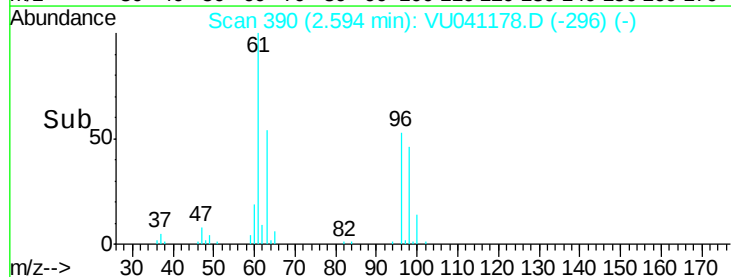
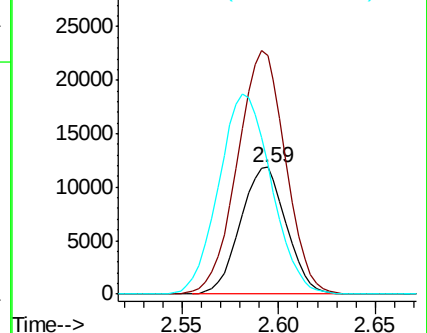
63 102.4 95.0 176.4

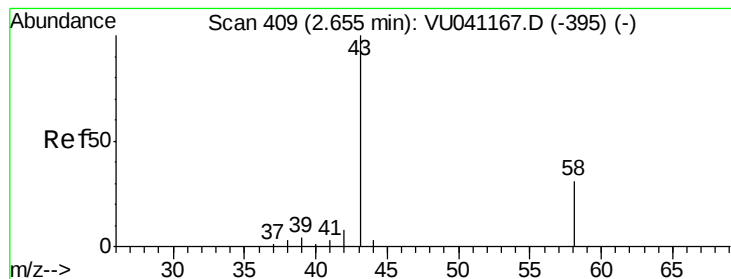


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.165 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

Instrument :

MSVOA_U

ClientSampleId :

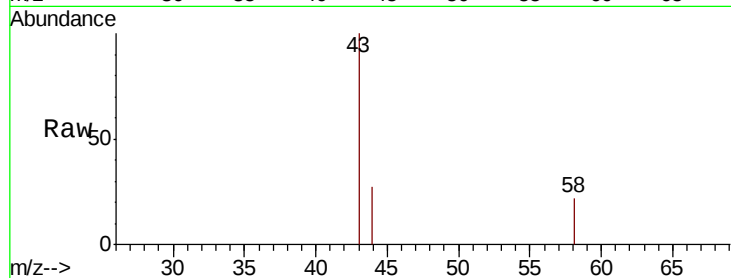
GB0T3MSD

Tot Ion: 43 Resp: 1228

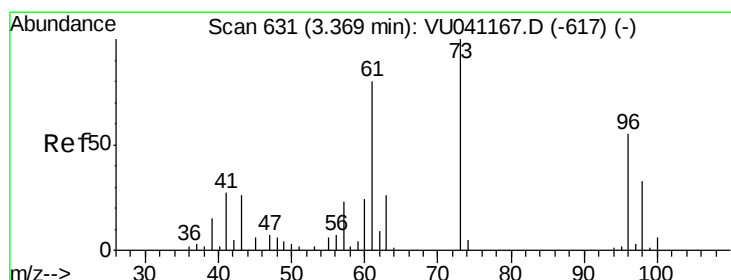
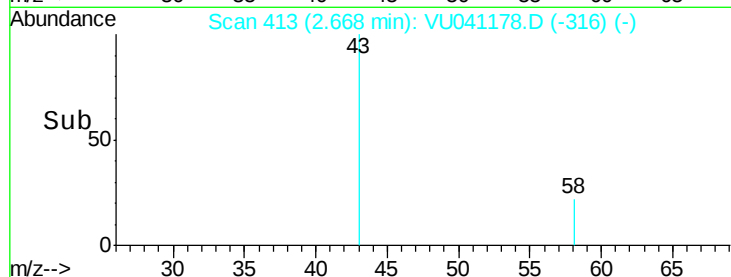
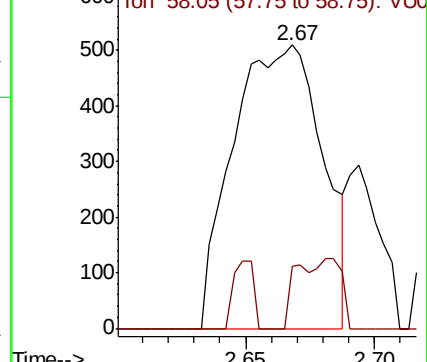
Ion Ratio Lower Upper

43 100

58 5.1 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041178.D (-316) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.242 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

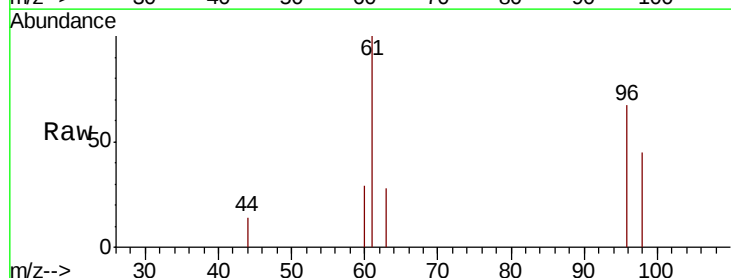
Tgt Ion: 96 Resp: 967

Ion Ratio Lower Upper

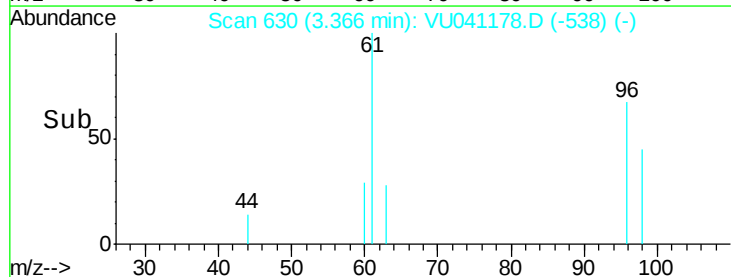
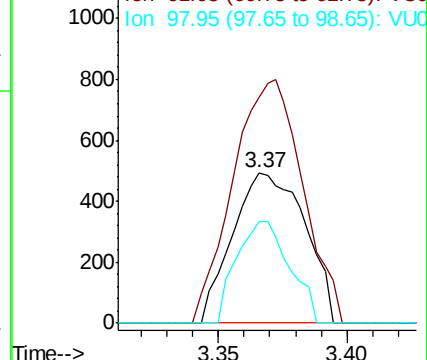
96 100

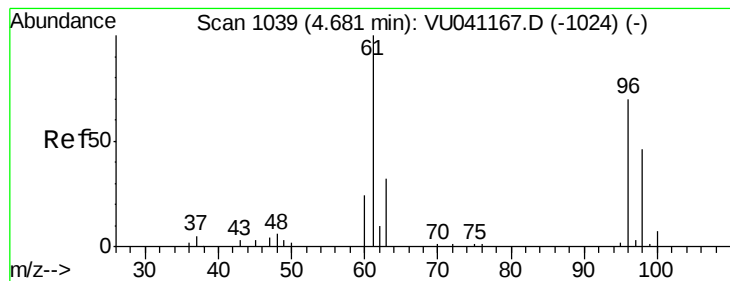
61 150.0 110.9 205.9

98 67.2 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041178.D (-538) (-)





#22

cis-1,2-Dichloroethene

Concen: 6.156 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

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GB0T3MSD

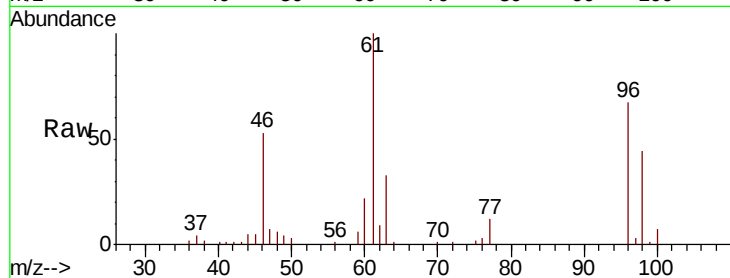
Tot Ion: 96 Resp: 25407

Ion Ratio Lower Upper

96 100

61 149.1 97.2 180.4

68 0.0 0.0 0.0

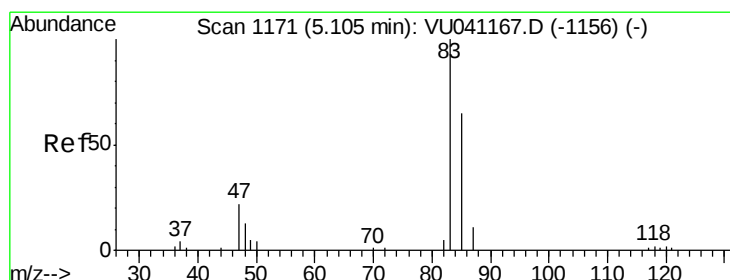
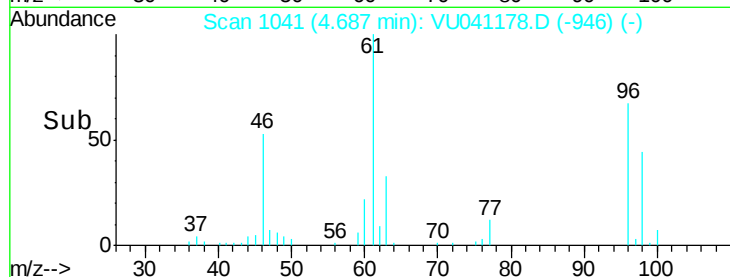


Abundance Ion 96.00 (95.70 to 96.70): VU041178.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU041178.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU041178.D (-1024) (-)

Time-->



#25

Chloroform

Concen: 0.052 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU041178.D

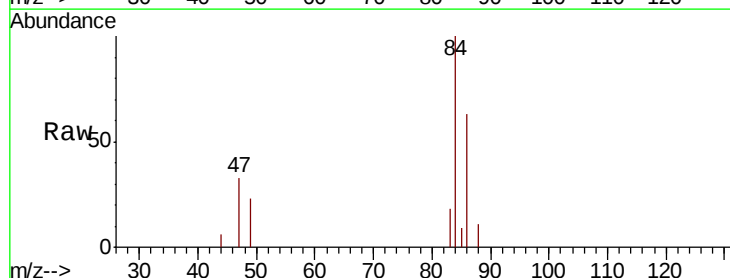
Acq: 10 Nov 2020 15:09

Tgt Ion: 83 Resp: 416

Ion Ratio Lower Upper

83 100

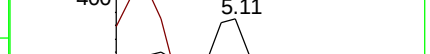
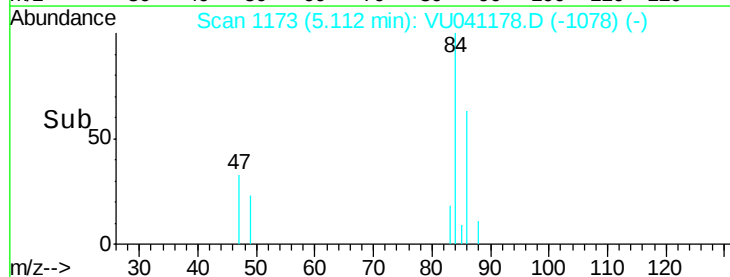
85 51.9 46.1 85.7

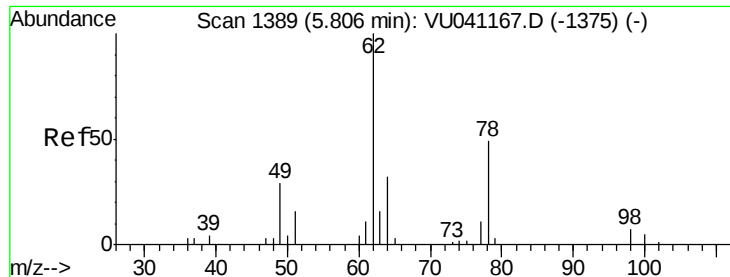


Abundance Ion 83.05 (82.75 to 83.75): VU041178.D (-1156) (-)

Ion 85.00 (84.70 to 85.70): VU041178.D (-1156) (-)

Time-->

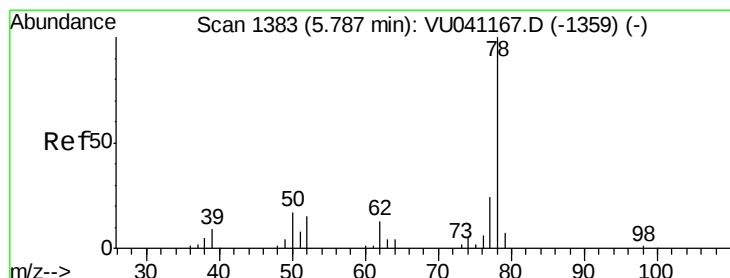
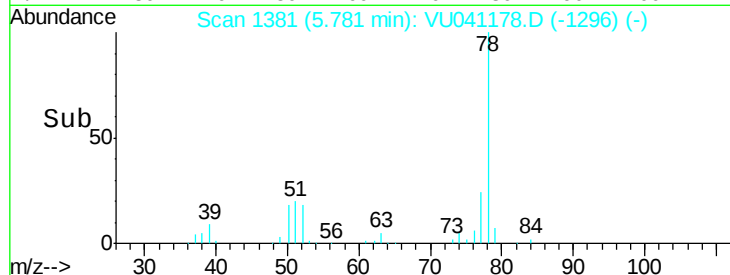
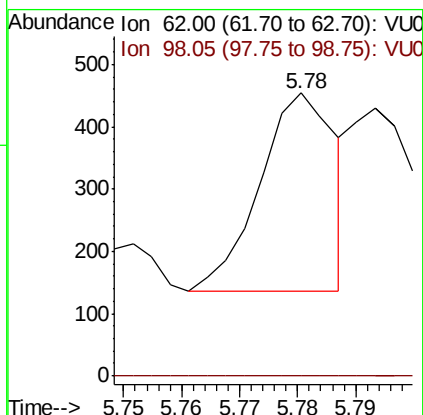
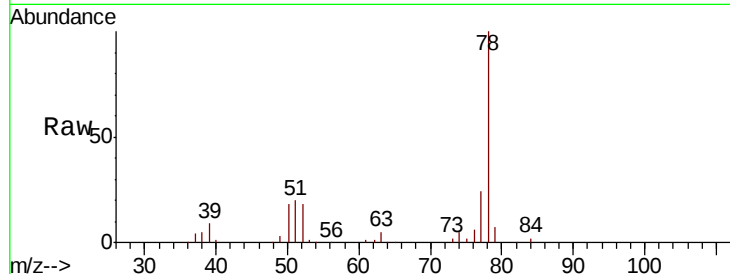




#27
 1,2-Dichloroethane
 Concen: 0.048 ug/L
 RT: 5.78 min Scan# 1381
 Delta R.T. -0.03 min
 Lab File: VU041178.D
 Acq: 10 Nov 2020 15:09

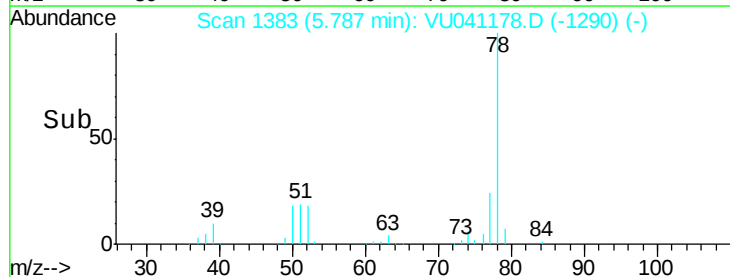
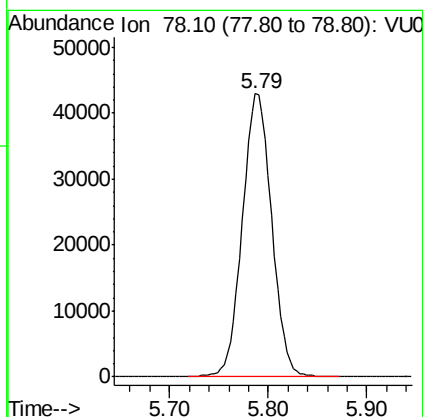
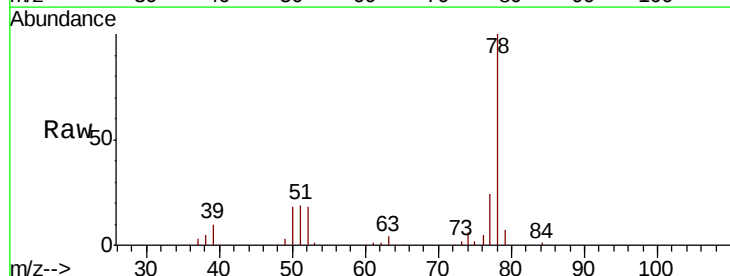
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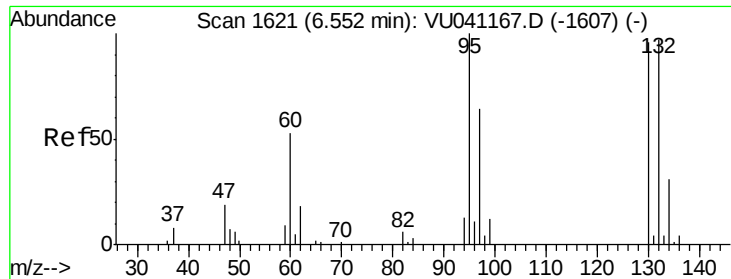
Tot Ion: 62 Resp: 287
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 5.193 ug/L
 RT: 5.79 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VU041178.D
 Acq: 10 Nov 2020 15:09

Tgt Ion: 78 Resp: 88509

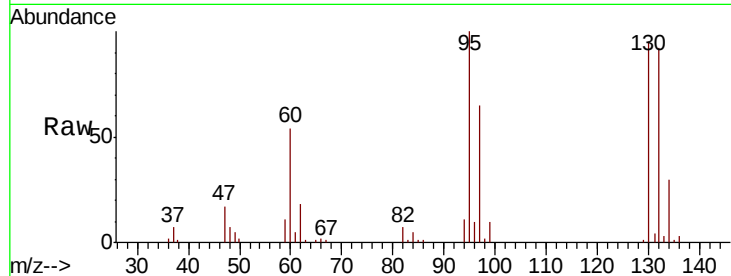




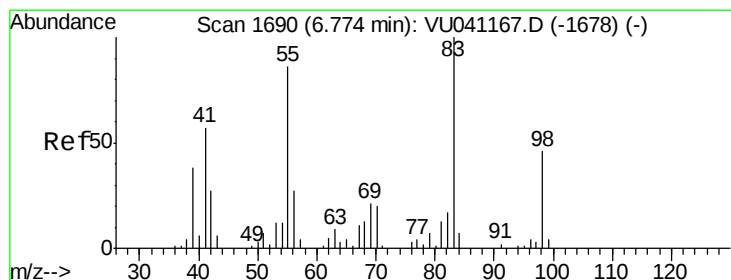
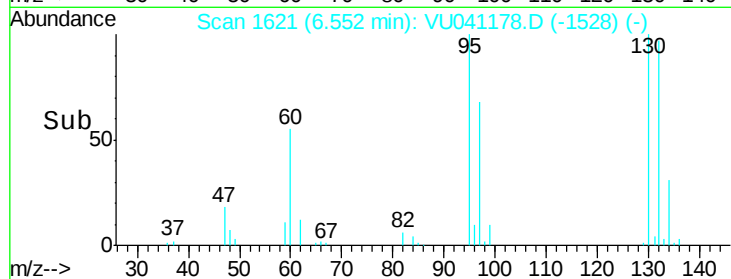
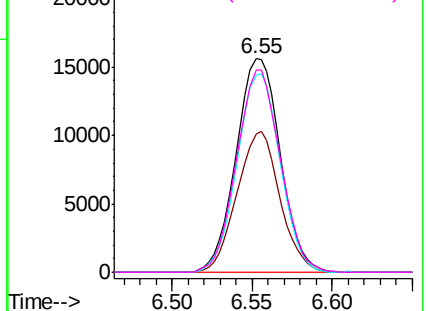
#34
 Trichloroethene
 Concen: 6.784 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041178.D
 Acq: 10 Nov 2020 15:09

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3MSD

Tot Ion: 95 Resp: 29425
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.6 84.6
 132 92.3 64.8 120.4
 130 95.0 64.8 120.4

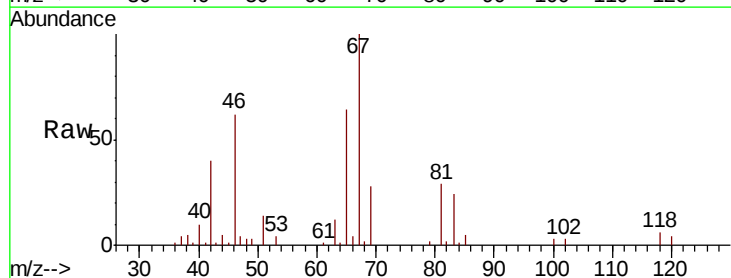


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

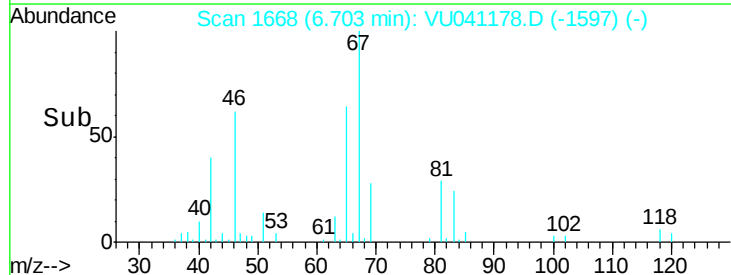
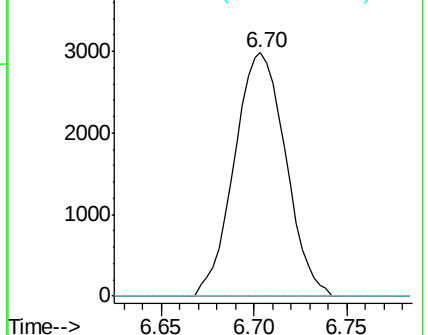


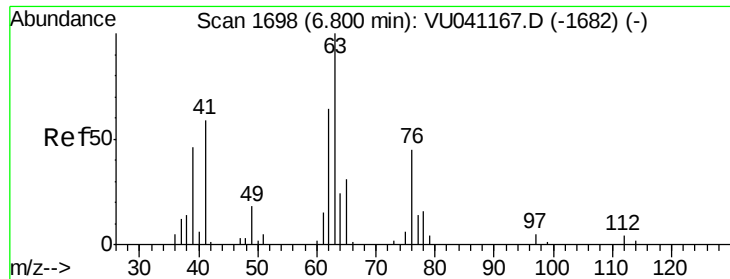
#35
 Methylcyclohexane
 Concen: 0.884 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041178.D
 Acq: 10 Nov 2020 15:09

Tgt 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

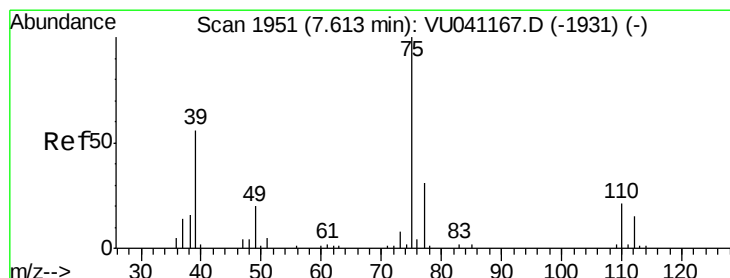
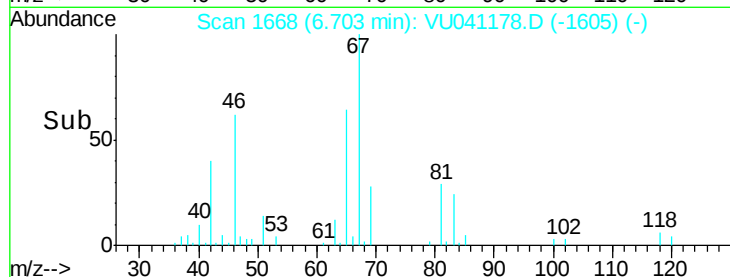
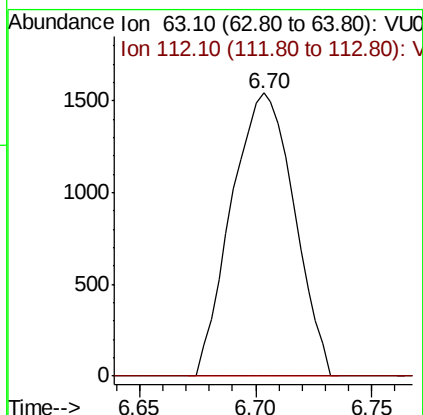
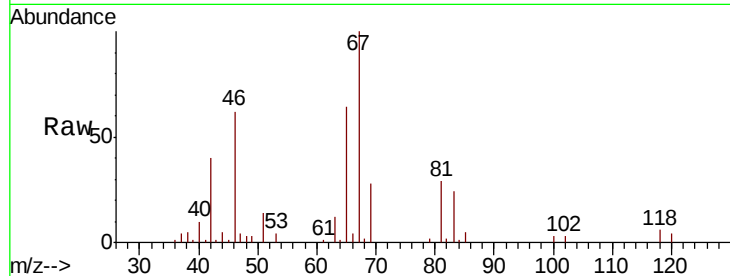




#37
 1,2-Dichloropropane
 Concen: 0.627 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041178.D
 Acq: 10 Nov 2020 15:09

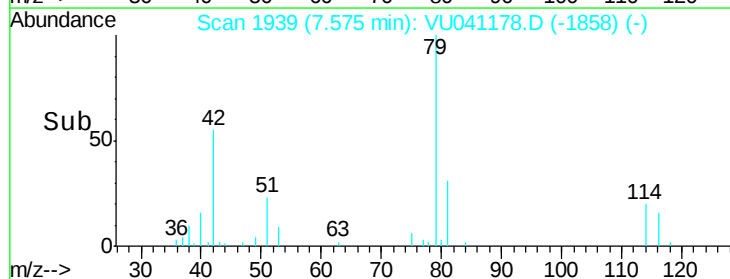
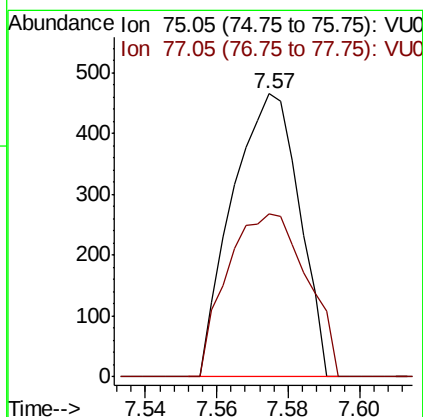
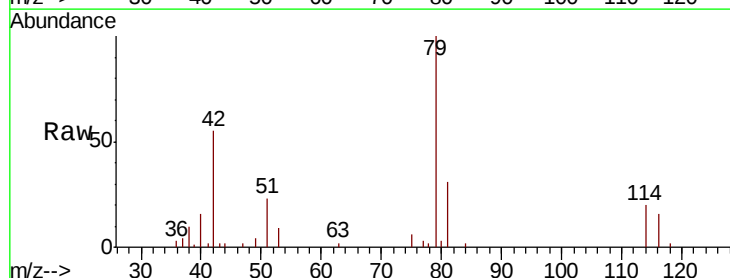
Instrument :
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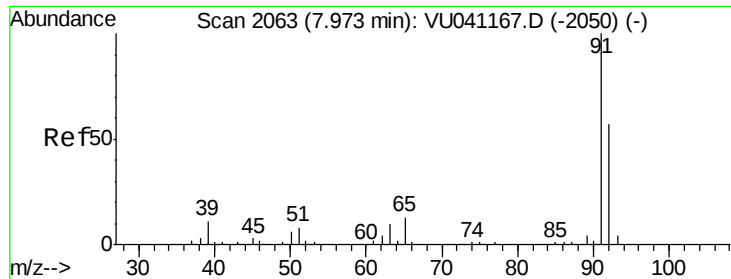
Tot Ion: 63 Resp: 2892
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041178.D
 Acq: 10 Nov 2020 15:09

Tgt Ion: 75 Resp: 601
 Ion Ratio Lower Upper
 75 100
 77 57.4 22.7 42.3#





#42

Toluene

Concen: 5.152 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041178.D

Acq: 10 Nov 2020 15:09

Instrument :

MSVOA_U

ClientSampleId :

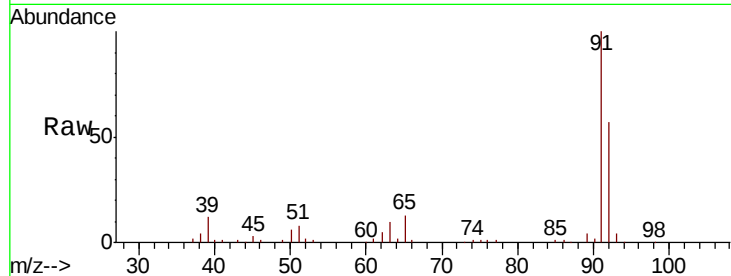
GB0T3MSD

Tot Ion: 91 Resp: 89036

Ion Ratio Lower Upper

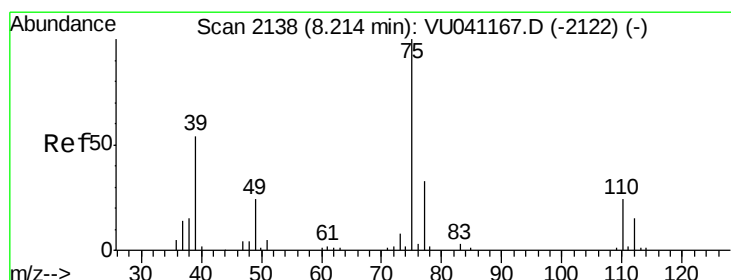
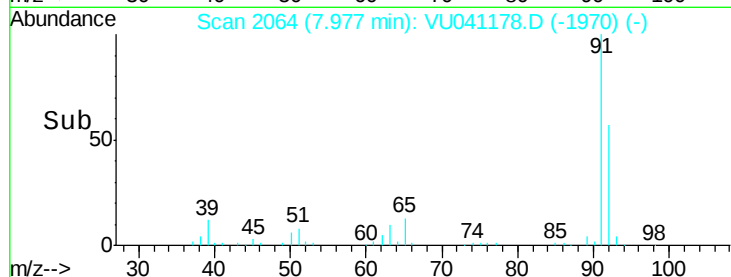
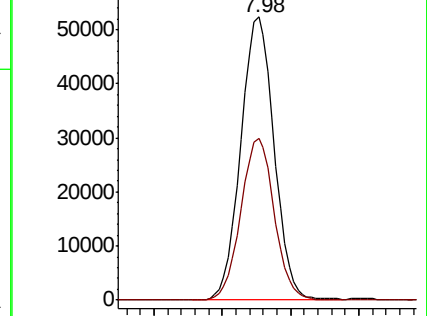
91 100

92 57.2 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041167.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041167.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041178.D

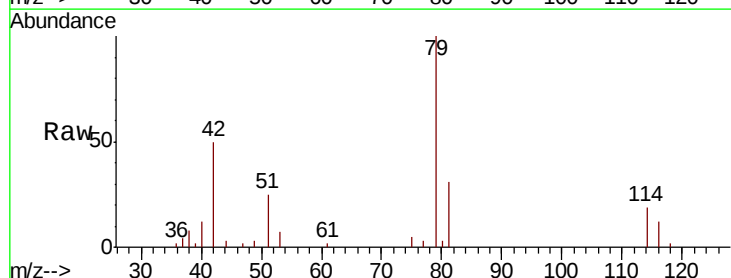
Acq: 10 Nov 2020 15:09

Tgt Ion: 75 Resp: 387

Ion Ratio Lower Upper

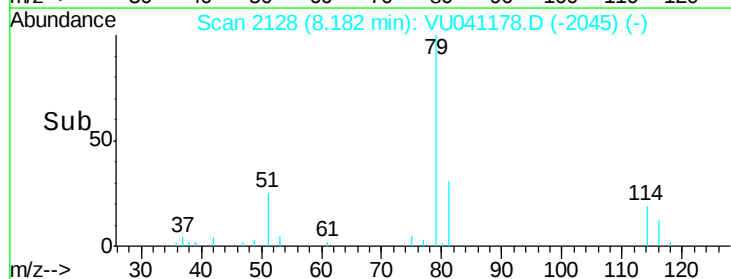
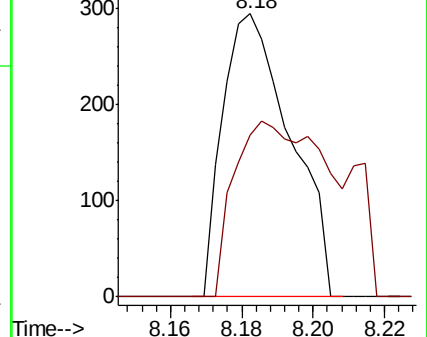
75 100

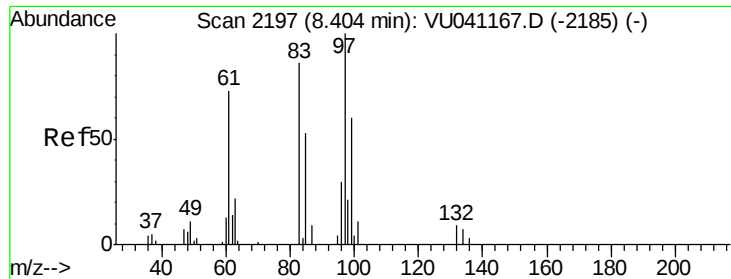
77 57.3 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041167.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041167.D (-2122) (-)

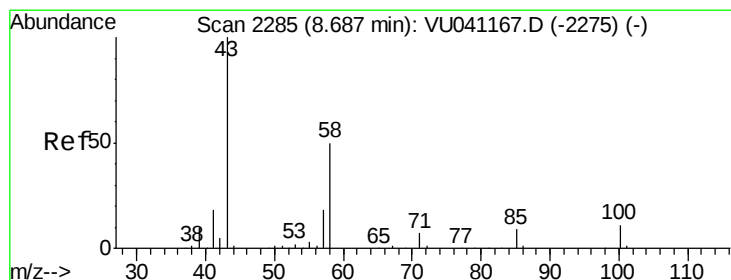
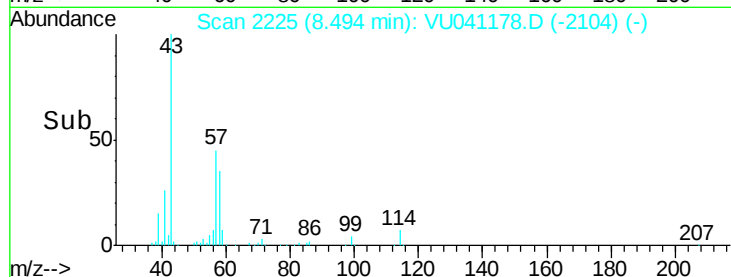
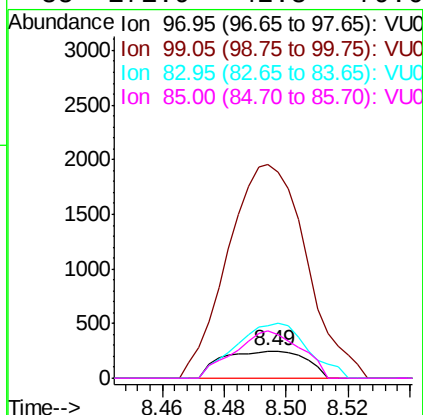
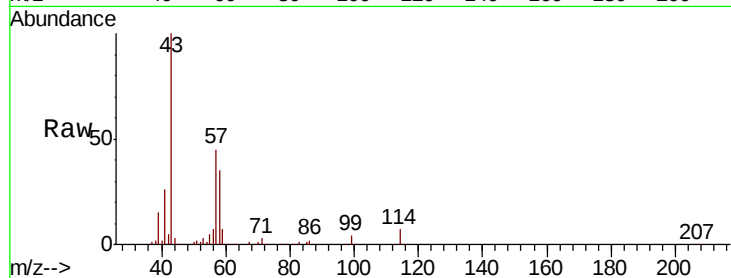




#45
 1,1,2-Trichloroethane
 Concen: 0.136 ug/L
 RT: 8.49 min Scan# 2225
 Delta R.T. 0.09 min
 Lab File: VU041178.D
 Acq: 10 Nov 2020 15:09

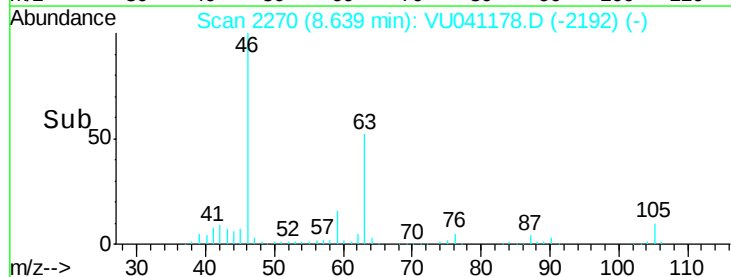
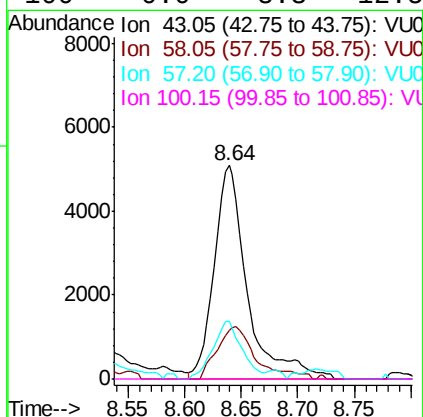
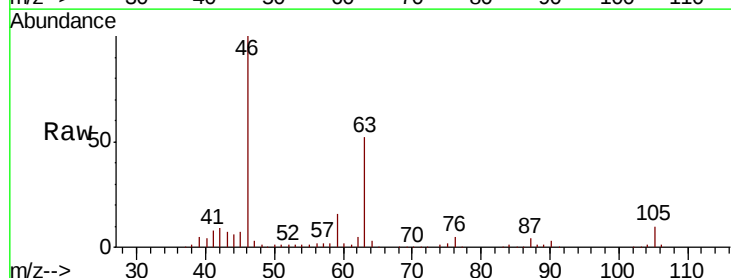
Instrument :
 MSVOA_U
 ClientSampleId :
 GB0T3MSD

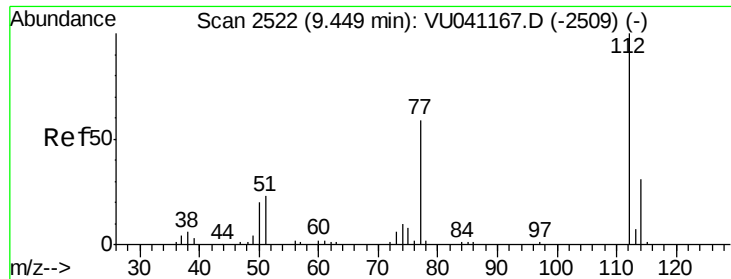
Tot Ion: 97 Resp: 466
 Ion Ratio Lower Upper
 97 100
 99 785.1 45.8 85.2#
 83 194.8 67.9 126.1#
 85 171.9 42.8 79.6#



#48
 2-Hexanone
 Concen: 3.742 ug/L
 RT: 8.64 min Scan# 2270
 Delta R.T. -0.05 min
 Lab File: VU041178.D
 Acq: 10 Nov 2020 15:09

Tgt Ion: 43 Resp: 10360
 Ion Ratio Lower Upper
 43 100
 58 28.5 41.4 62.2#
 57 23.9 14.6 21.8#
 100 0.0 8.3 12.5#

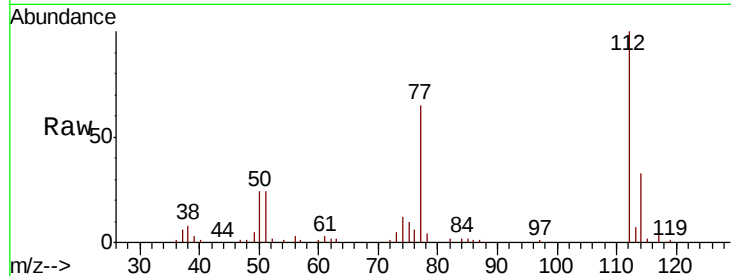




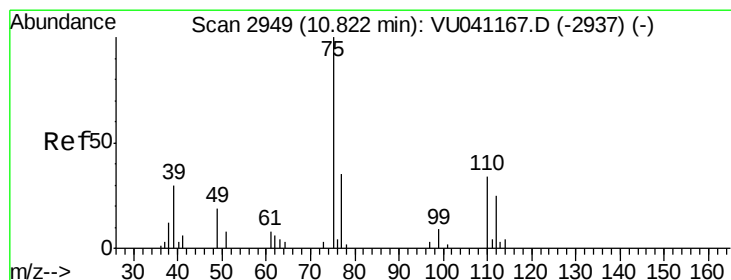
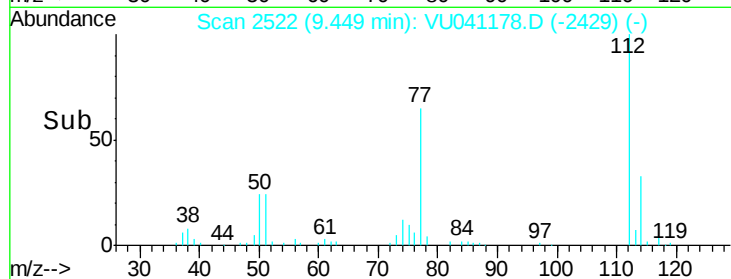
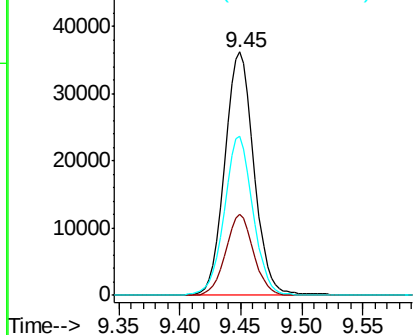
#51
Chlorobenzene
Concen: 5.541 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041178.D
Acq: 10 Nov 2020 15:09

Instrument :
MSVOA_U
ClientSampleId :
GB0T3MSD

Tot Ion:112 Resp: 60721
Ion Ratio Lower Upper
112 100
114 33.4 22.4 41.6
77 65.1 51.2 76.8

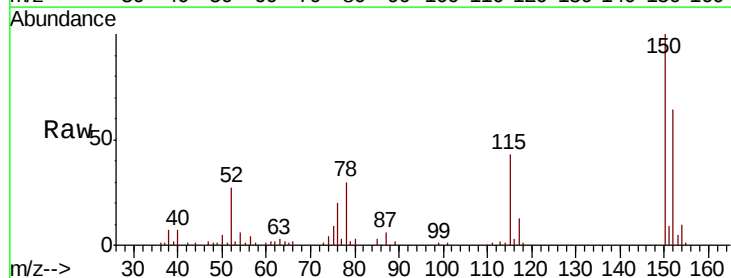


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.946 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041178.D
Acq: 10 Nov 2020 15:09

Tgt Ion: 75 Resp: 3251
Ion Ratio Lower Upper
75 100
77 39.3 25.7 38.5#



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

