

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040463.D
 Acq On : 02 Oct 2020 16:06
 Operator : SY/MD
 Sample : L4240-07DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3R6DL

Quant Time: Oct 03 00:18:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125262	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124362	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58062	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33865	5.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.20%
7) Chloroethane-d5	1.92	69	27538	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	63	54101	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.65	46	142917	46.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.80%
24) Chloroform-d	5.08	84	66996	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.72	65	44033	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.75	84	134292	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.70	67	45546	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.91	98	115504	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	8.19	79	18755	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.64	63	99058	45.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.24%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	40509	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	46524	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.96	64	700	0.098	ug/L #	53
15) Methyl Acetate	3.06	43	4721	0.764	ug/L #	56
16) Methylene chloride	3.06	84	2332	0.195	ug/L	97
25) Chloroform	5.11	83	3679	0.178	ug/L	98
33) Benzene	5.79	78	5035	0.121	ug/L	100
35) Methylcyclohexane	6.70	83	10184	0.627	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5065	0.436	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1244	0.080	ug/L #	65
44) trans-1,3-Dichloropropene	8.19	75	890	0.062	ug/L #	44
51) Chlorobenzene	9.45	112	533183	19.288	ug/L	98
52) Ethylbenzene	9.57	91	6973	0.150	ug/L	92
53) m,p-Xylene	9.70	106	1937	0.112	ug/L	91
56) Isopropylbenzene	10.48	105	1631	0.037	ug/L #	93
59) 1,2,3-Trichloropropane	11.74	75	2847	0.338	ug/L #	43
62) 1,3-Dichlorobenzene	11.74	146	7315	0.381	ug/L	93
63) 1,4-Dichlorobenzene	11.83	146	10953	0.548	ug/L	96
67) 1,3,5-Trichlorobenzene	13.83	180	2691	0.196	ug/L	97

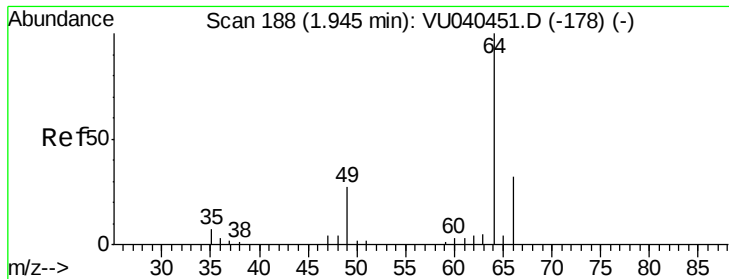
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 03 00:09:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.83	180	2691	0.244	ug/L	97

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



#8

Chloroethane

Concen: 0.098 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.01 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :

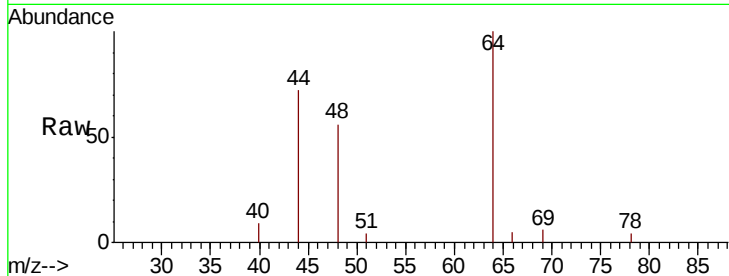
BG3R6DL

Tot Ion: 64 Resp: 700

Ion Ratio Lower Upper

64 100

66 5.0 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.96

2500

2000

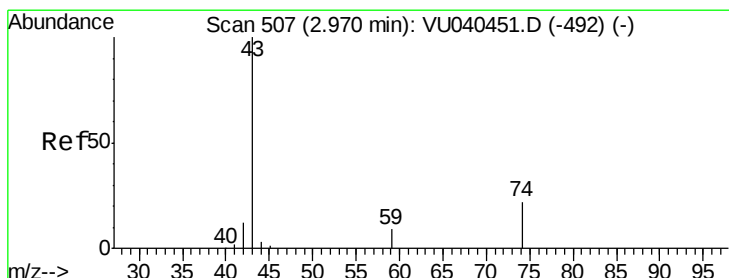
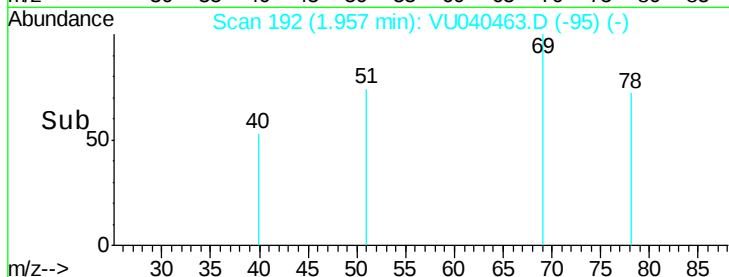
1500

1000

500

0

Time--> 1.92 1.94 1.96 1.98



#15

Methyl Acetate

Concen: 0.764 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.09 min

Lab File: VU040463.D

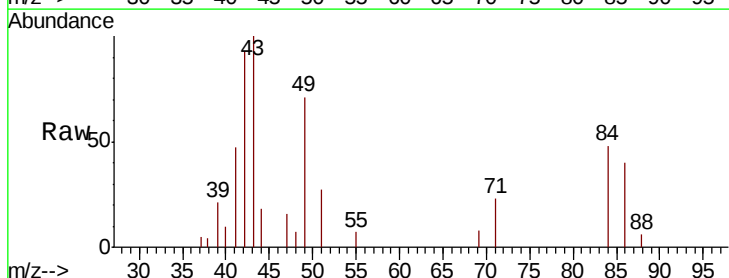
Acq: 02 Oct 2020 16:06

Tgt Ion: 43 Resp: 4721

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

4000

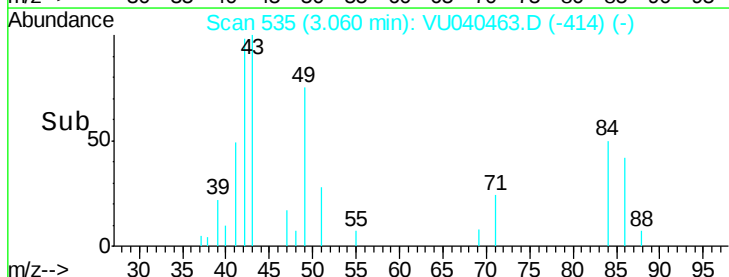
3000

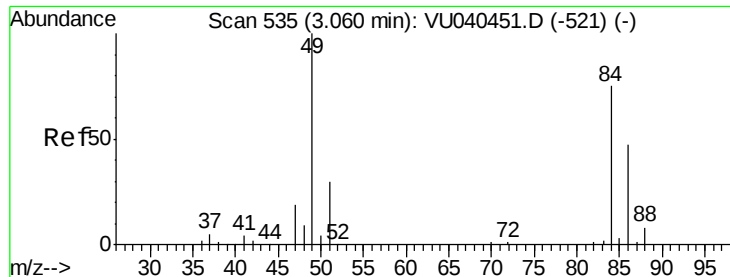
2000

1000

0

Time--> 3.00 3.05 3.10

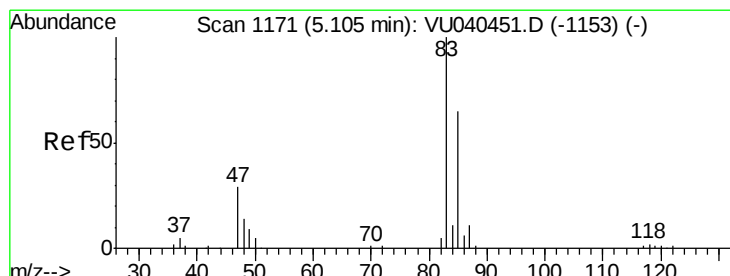
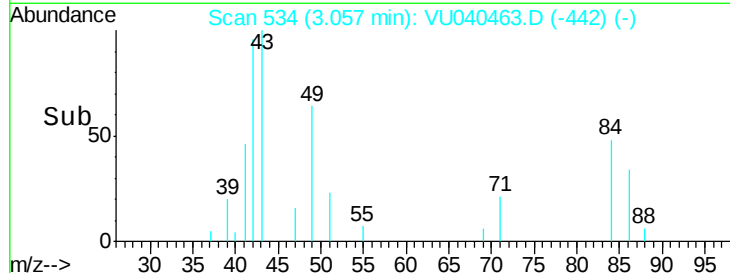
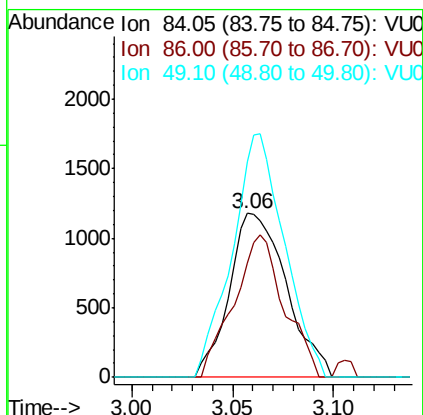
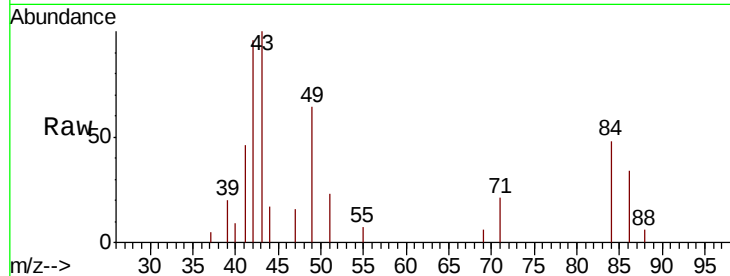




#16
Methylene chloride
Concen: 0.195 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040463.D
Acq: 02 Oct 2020 16:06

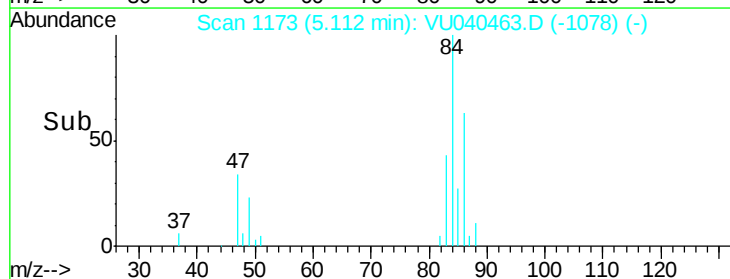
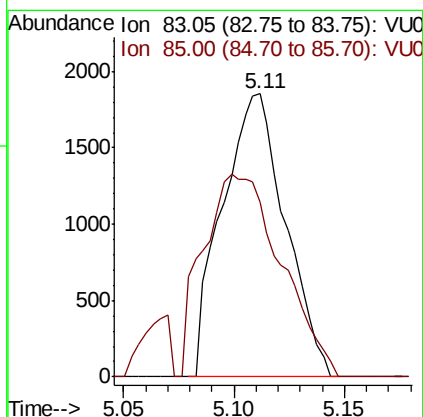
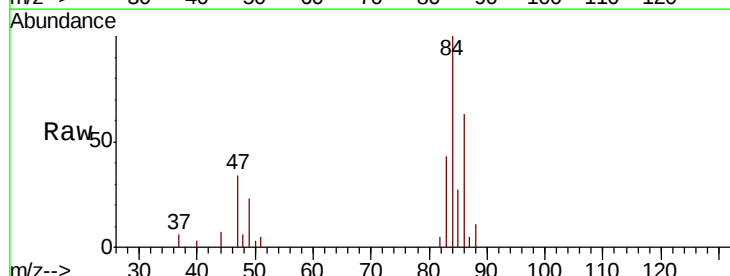
Instrument :
MSVOA_U
ClientSampleId :
BG3R6DL

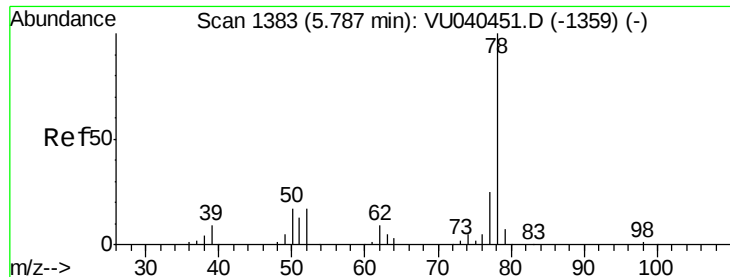
Tot Ion: 84 Resp: 2332
Ion Ratio Lower Upper
84 100
86 69.5 44.4 82.5
49 131.3 92.2 171.2



#25
Chloroform
Concen: 0.178 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040463.D
Acq: 02 Oct 2020 16:06

Tgt Ion: 83 Resp: 3679
Ion Ratio Lower Upper
83 100
85 61.8 44.6 82.8





#33

Benzene

Concen: 0.121 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

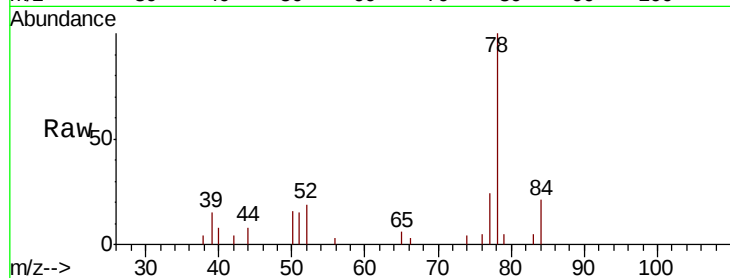
Instrument :

MSVOA_U

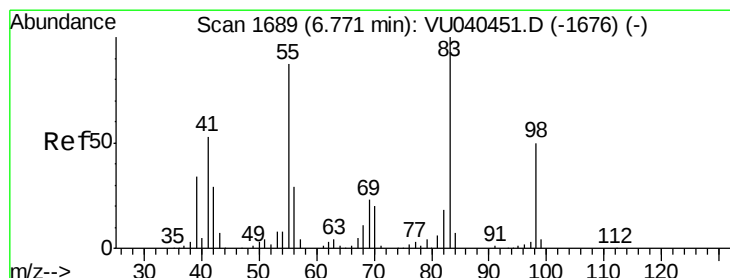
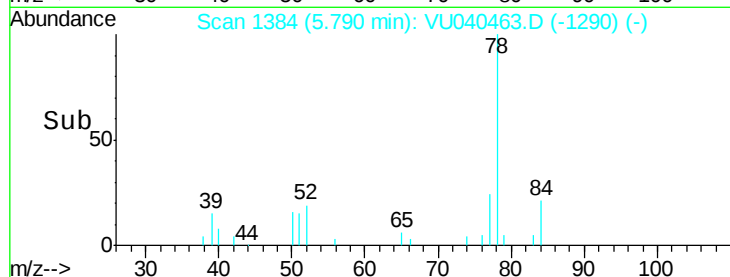
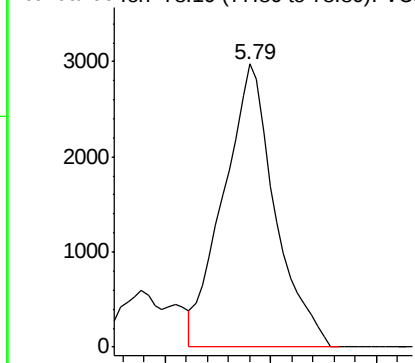
ClientSampled :

BG3R6DL

Tgt Ion: 78 Resp: 5035



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.627 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

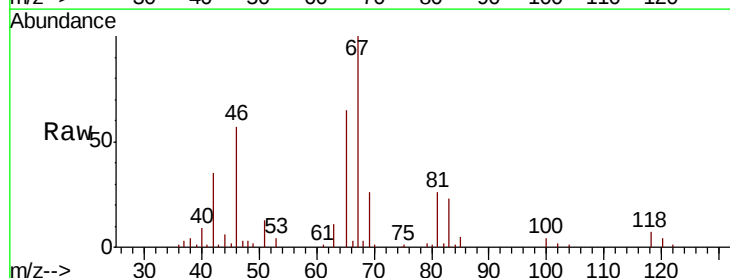
Tgt Ion: 83 Resp: 10184

Ion Ratio Lower Upper

83 100

55 0.2 71.4 107.2#

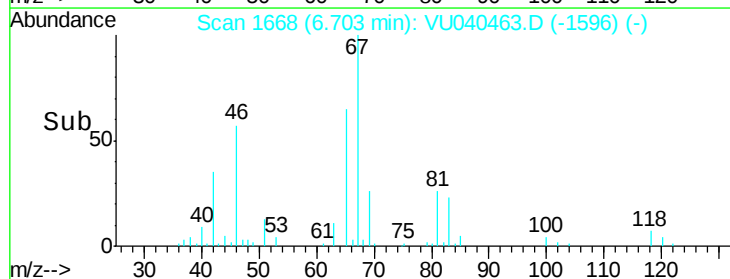
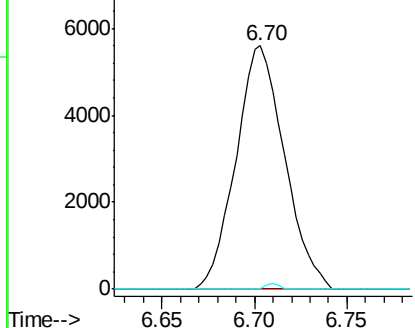
98 0.7 38.5 57.7#

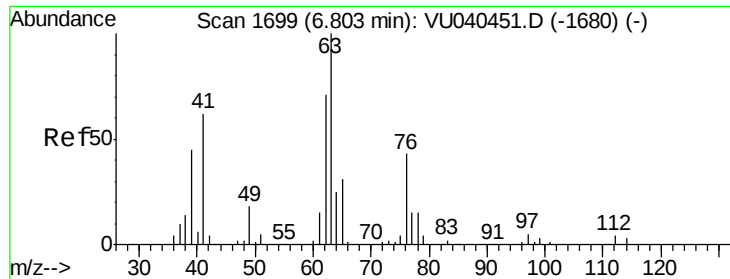


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

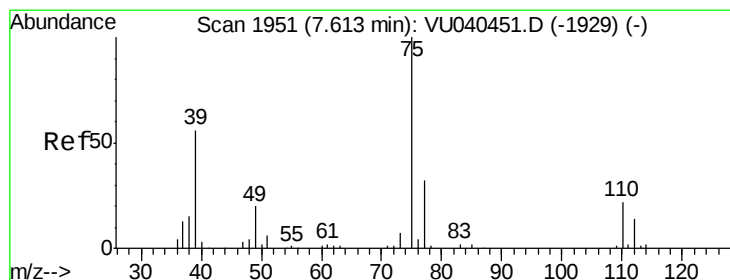
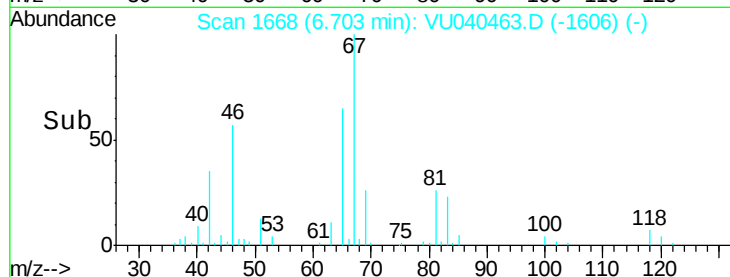
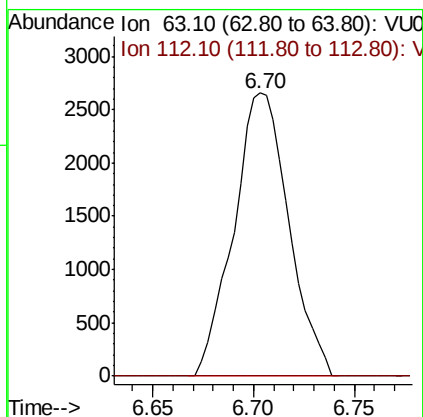
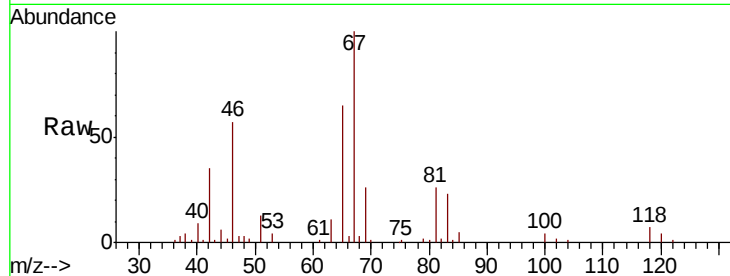




#37
 1,2-Dichloropropane
 Concen: 0.436 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040463.D
 Acq: 02 Oct 2020 16:06

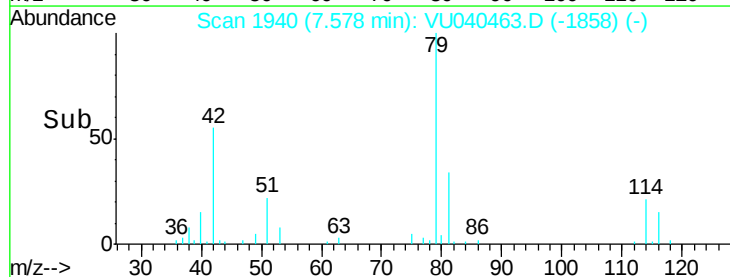
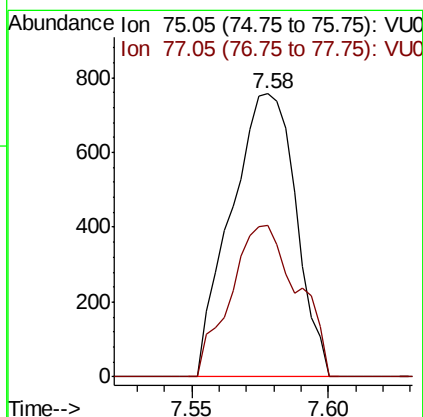
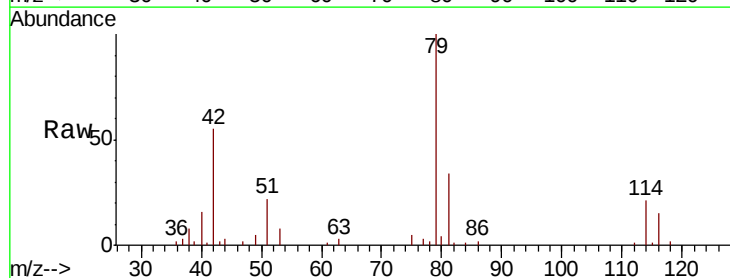
Instrument :
 MSVOA_U
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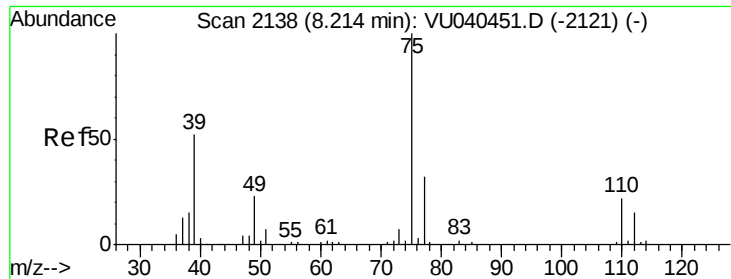
Tot Ion: 63 Resp: 5065
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040463.D
 Acq: 02 Oct 2020 16:06

Tgt Ion: 75 Resp: 1244
 Ion Ratio Lower Upper
 75 100
 77 53.5 23.5 43.7#





#44

trans-1,3-Dichloropropene

Concen: 0.062 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :

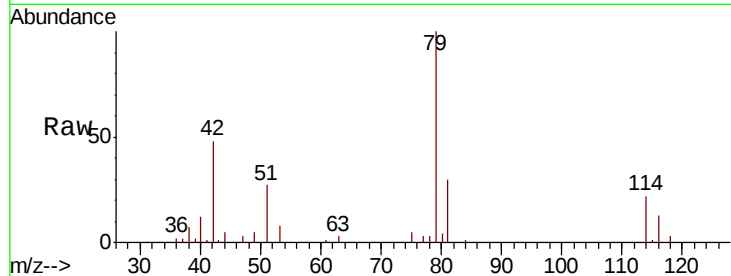
BG3R6DL

Tot Ion: 75 Resp: 890

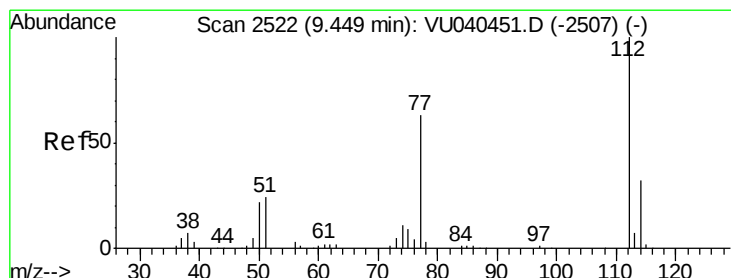
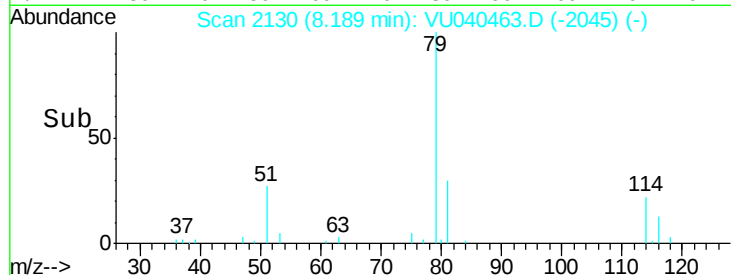
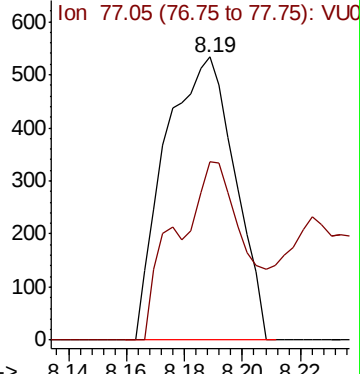
Ion Ratio Lower Upper

75 100

77 63.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040451.D (-2121) (-)



#51

Chlorobenzene

Concen: 19.288 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

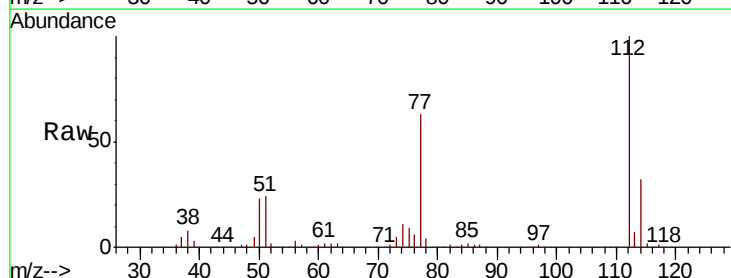
Tgt Ion: 112 Resp: 533183

Ion Ratio Lower Upper

112 100

114 32.4 22.0 40.8

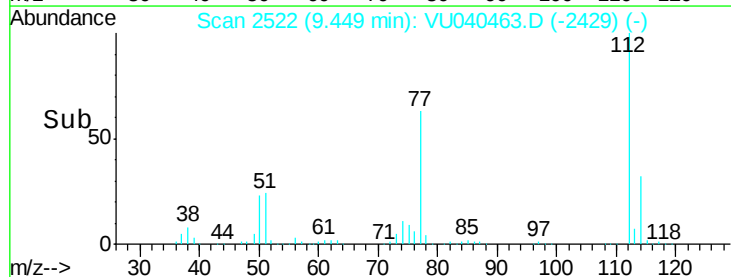
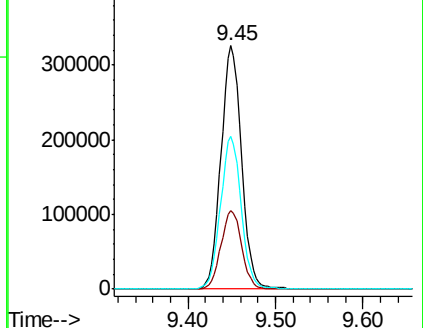
77 63.0 49.5 74.3

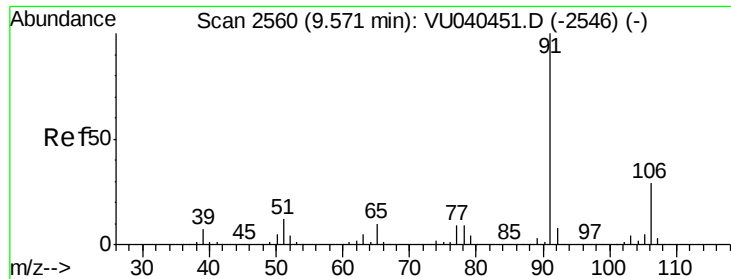


Abundance Ion 112.10 (111.80 to 112.80): VU040451.D (-2507) (-)

Ion 114.05 (113.75 to 114.75): VU040451.D (-2507) (-)

Ion 77.10 (76.80 to 77.80): VU040451.D (-2507) (-)

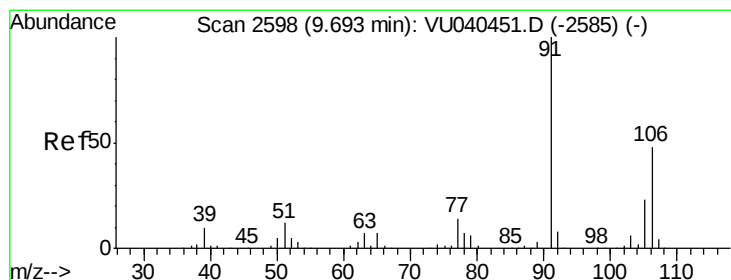
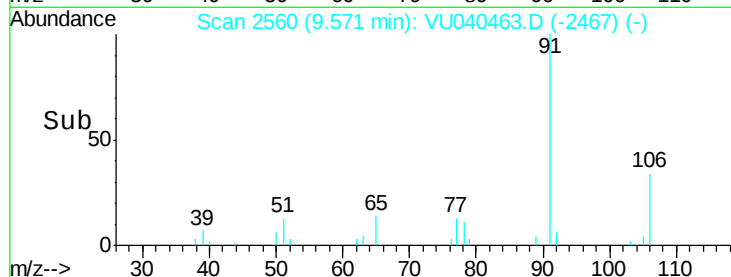
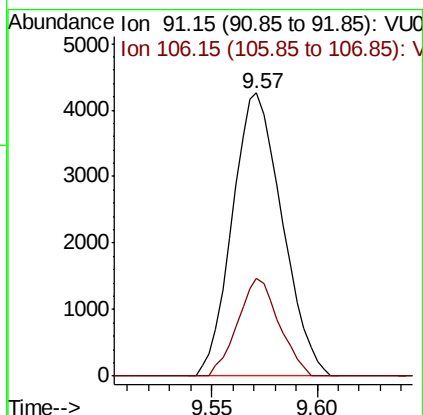
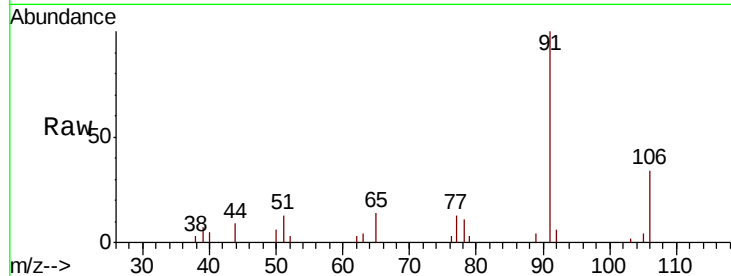




#52
Ethylbenzene
Concen: 0.150 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040463.D
Acq: 02 Oct 2020 16:06

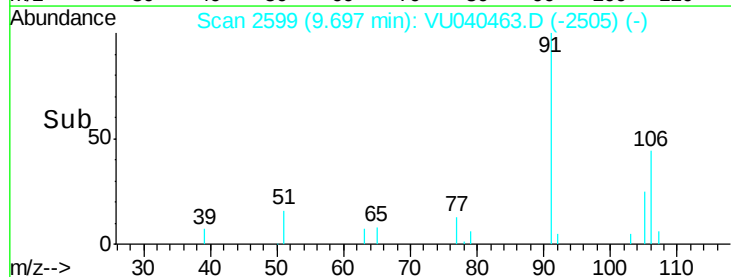
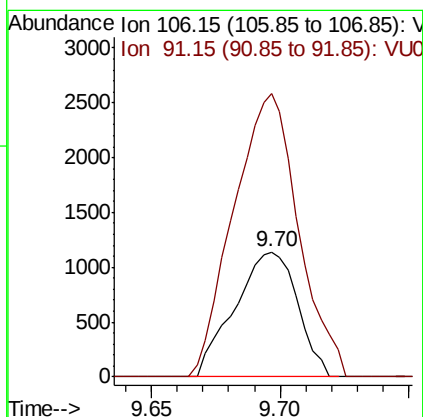
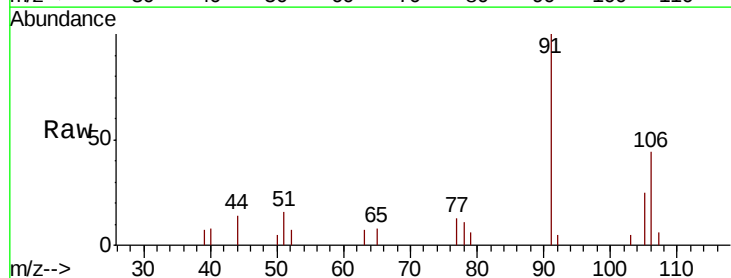
Instrument :
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ClientSampleId :
BG3R6DL

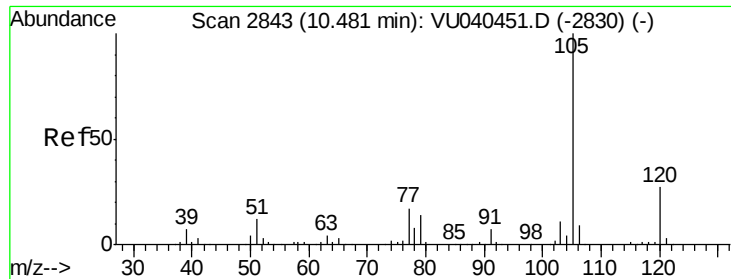
Tot Ion: 91 Resp: 6973
Ion Ratio Lower Upper
91 100
106 34.4 21.1 39.3



#53
m,p-Xylene
Concen: 0.112 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040463.D
Acq: 02 Oct 2020 16:06

Tgt Ion: 106 Resp: 1937
Ion Ratio Lower Upper
106 100
91 226.7 149.0 276.6





#56

Isopropylbenzene

Concen: 0.037 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :

BG3R6DL

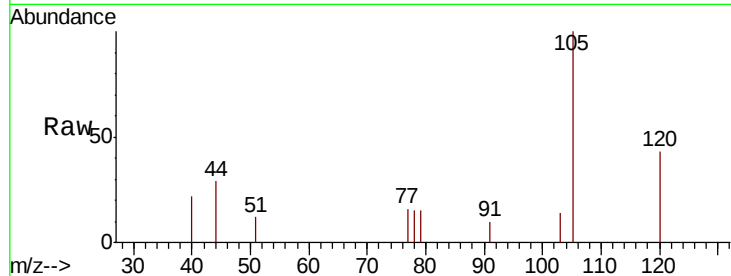
Tot Ion: 105 Resp: 1631

Ion Ratio Lower Upper

105 100

120 23.7 20.6 30.8

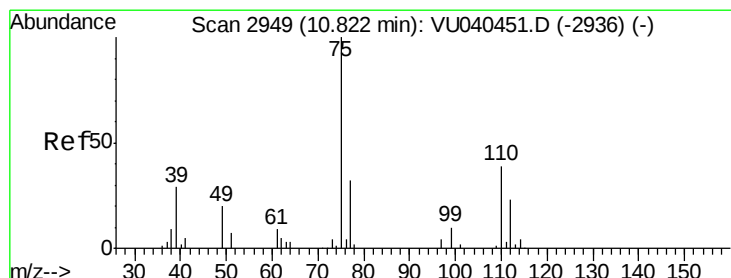
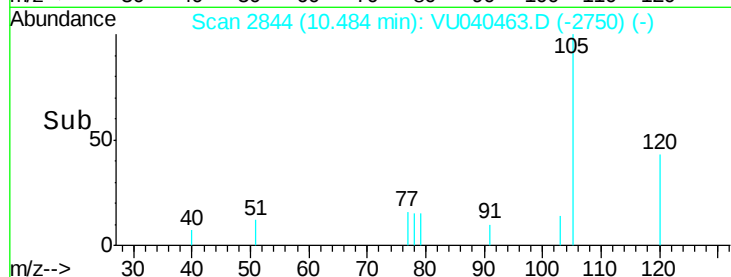
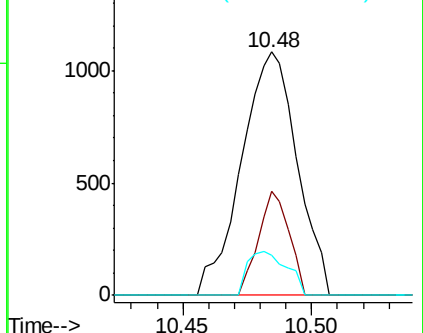
77 12.8 14.3 21.5#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#59

1,2,3-Trichloropropane

Concen: 0.338 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. 0.92 min

Lab File: VU040463.D

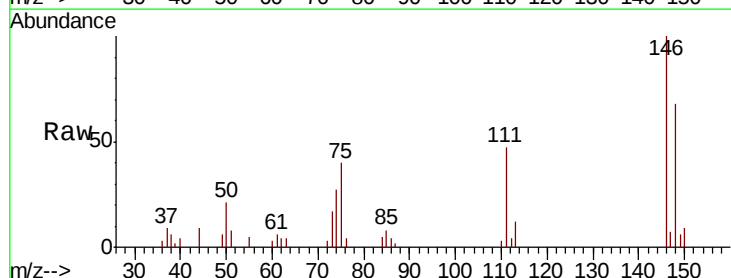
Acq: 02 Oct 2020 16:06

Tgt Ion: 75 Resp: 2847

Ion Ratio Lower Upper

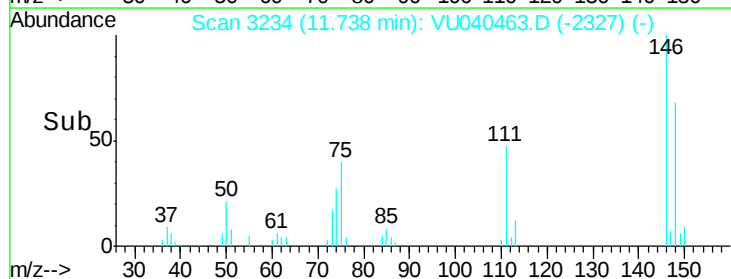
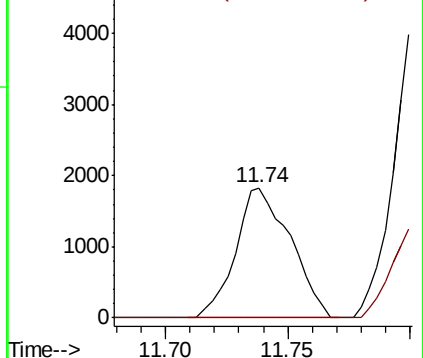
75 100

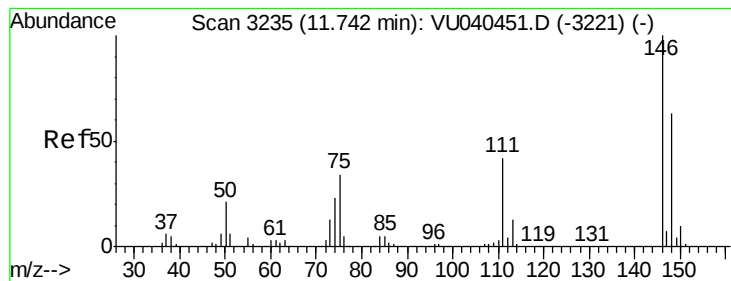
77 0.0 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#62

1,3-Dichlorobenzene

Concen: 0.381 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

Instrument :

MSVOA_U

ClientSampleId :

BG3R6DL

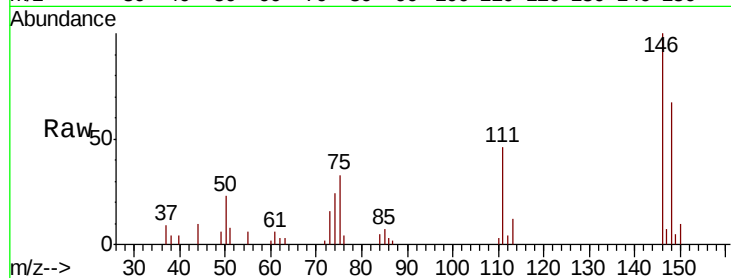
Tot Ion:146 Resp: 7315

Ion Ratio Lower Upper

146 100

111 45.5 28.6 53.0

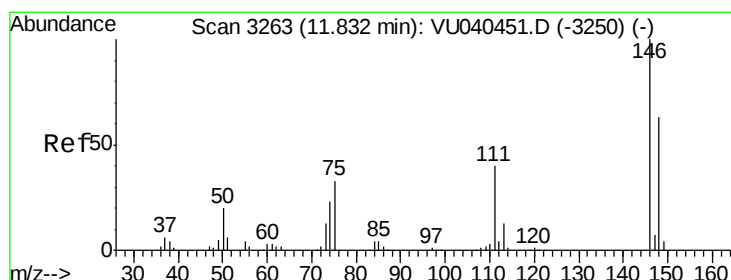
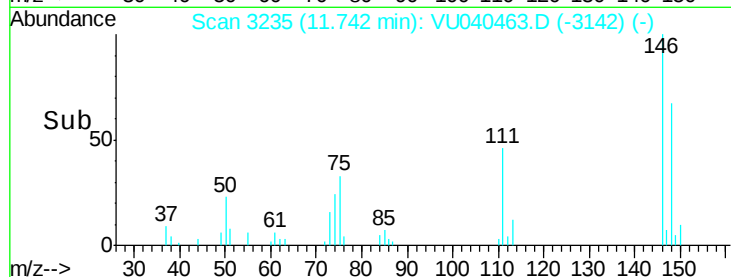
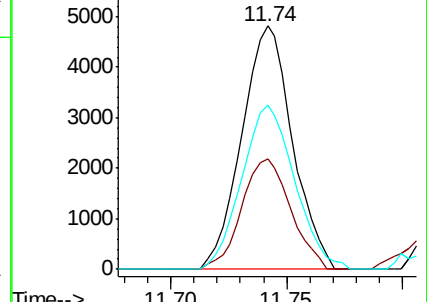
148 67.3 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.548 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040463.D

Acq: 02 Oct 2020 16:06

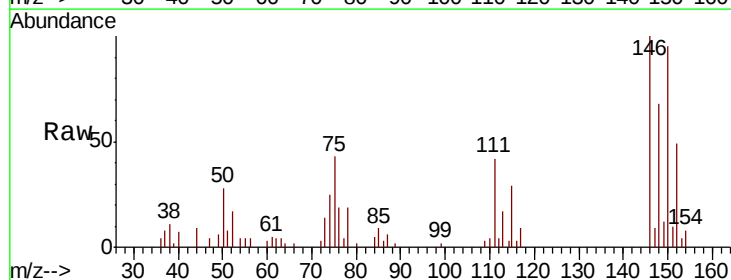
Tgt Ion:146 Resp: 10953

Ion Ratio Lower Upper

146 100

111 42.3 29.2 54.2

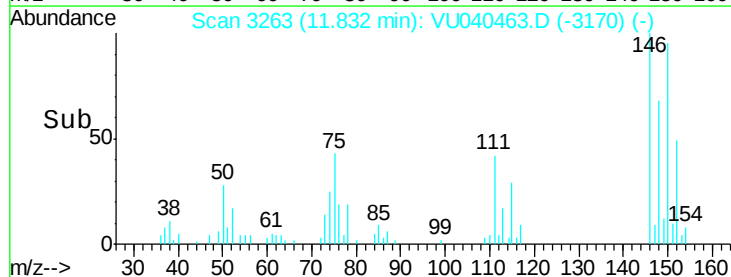
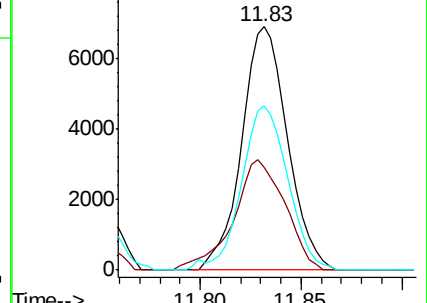
148 67.5 44.4 82.4

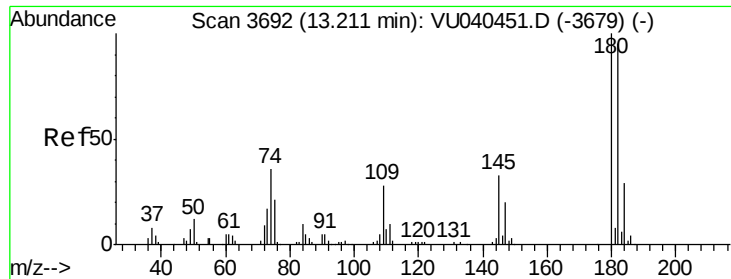


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

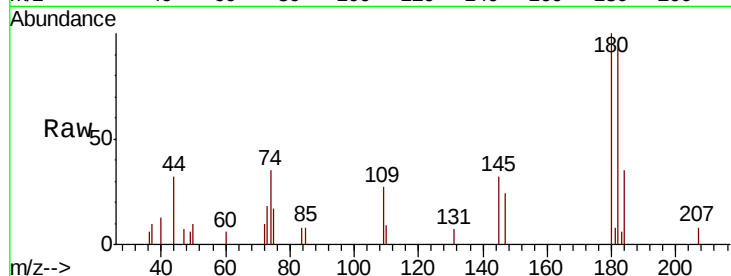




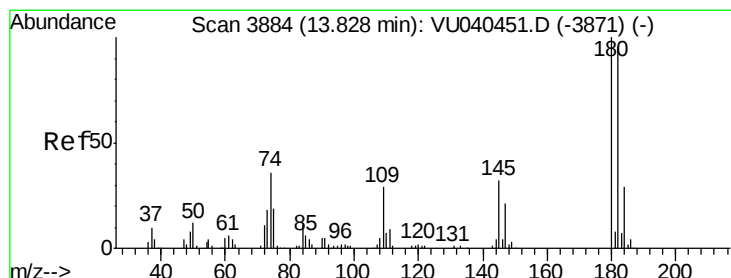
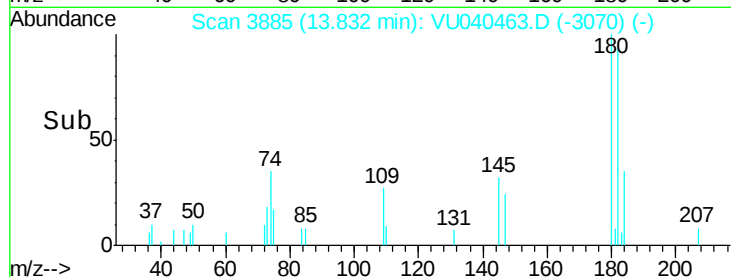
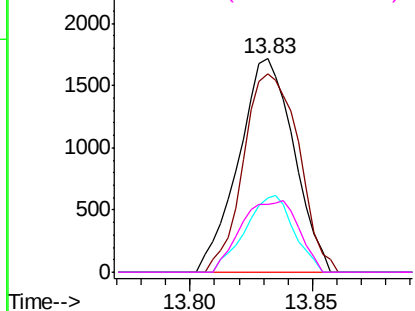
#67
 1,3,5-Trichlorobenzene
 Concen: 0.196 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.62 min
 Lab File: VU040463.D
 Acq: 02 Oct 2020 16:06

Instrument :
 MSVOA_U
 ClientSampleId :
 BG3R6DL

Tot Ion:180 Resp: 2691
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.5 114.7
 184 31.6 24.6 37.0
 145 35.2 25.8 38.8

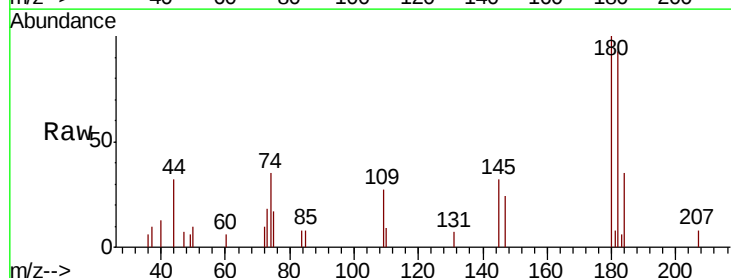


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.244 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040463.D
 Acq: 02 Oct 2020 16:06

Tgt Ion:180 Resp: 2691
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.6 115.0
 145 35.2 26.3 39.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

