

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
 Data File : VU040402.D
 Acq On : 30 Sep 2020 16:26
 Operator : SY/MD
 Sample : L4139-10DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4A2DL

Quant Time: Oct 01 03:08:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 03:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124793	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128361	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59253	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25436	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.92	69	25536	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.58	63	42831	2.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.60%#
20) 2-Butanone-d5	4.65	46	156958	51.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.28%
24) Chloroform-d	5.08	84	69194	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.72	65	42825	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.74	84	120984	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.70	67	44367	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.91	98	94227	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	8.19	79	15739	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.64	63	106534	47.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44095	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	45425	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	2587	0.362	ug/L #	60
16) Methylene chloride	3.06	84	2181	0.183	ug/L	96
25) Chloroform	5.10	83	3025	0.147	ug/L	90
27) 1,2-Dichloroethane	5.78	62	2385	0.167	ug/L #	74
33) Benzene	5.79	78	241257	5.606	ug/L	100
35) Methylcyclohexane	6.70	83	10108	0.603	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	5314	0.443	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1135	0.071	ug/L #	68
44) trans-1,3-Dichloropropene	8.19	75	766	0.052	ug/L	95
51) Chlorobenzene	9.45	112	25106	0.880	ug/L	99
52) Ethylbenzene	9.57	91	5304	0.111	ug/L	99
53) m,p-Xylene	9.69	106	43941	2.463	ug/L	96
54) o-Xylene	10.10	106	18090	1.078	ug/L	95
56) Isopropylbenzene	10.48	105	3674	0.081	ug/L	98
59) 1,2,3-Trichloropropane	11.81	75	8695	1.001	ug/L	97
62) 1,3-Dichlorobenzene	11.83	146	1347	0.069	ug/L #	79
63) 1,4-Dichlorobenzene	11.83	146	1347	0.066	ug/L #	81

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 03:05:40 2020
Response via : Initial Calibration

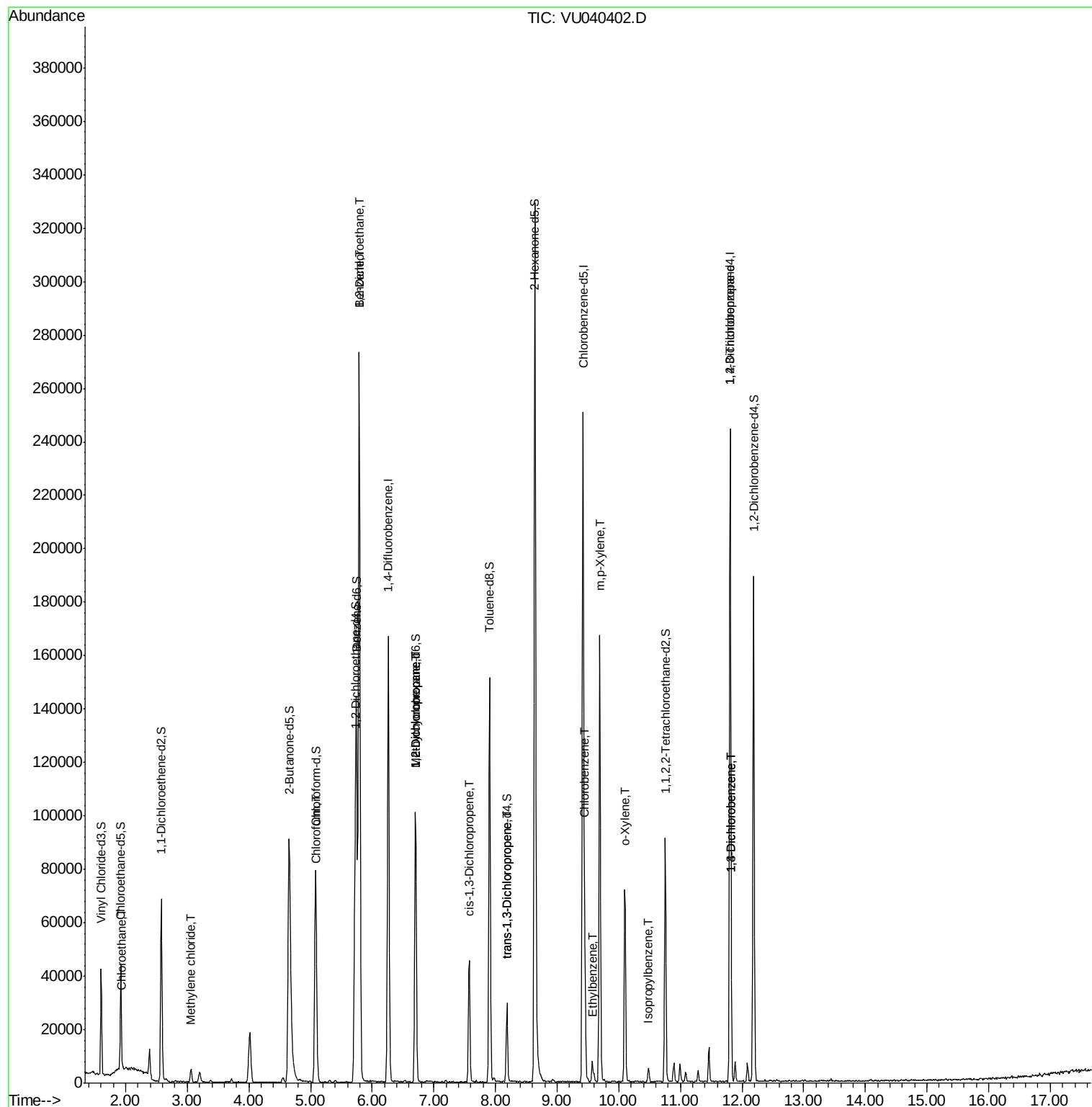
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

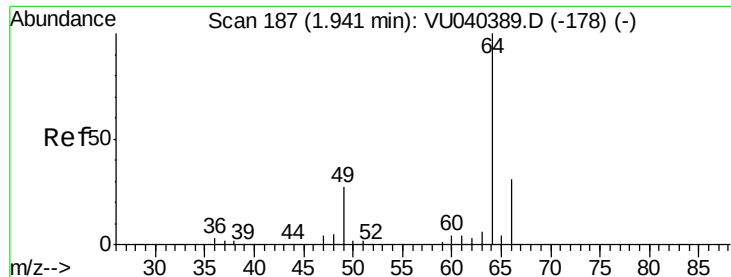
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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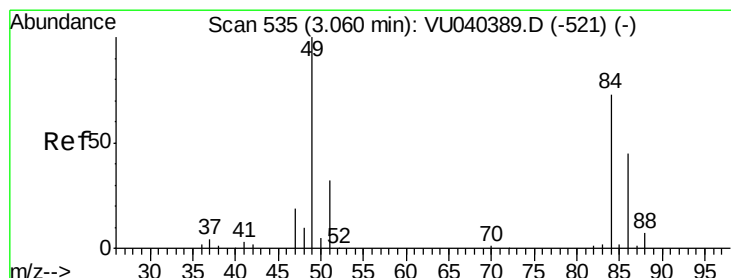
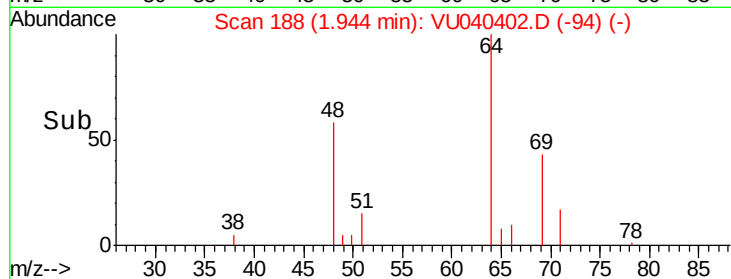
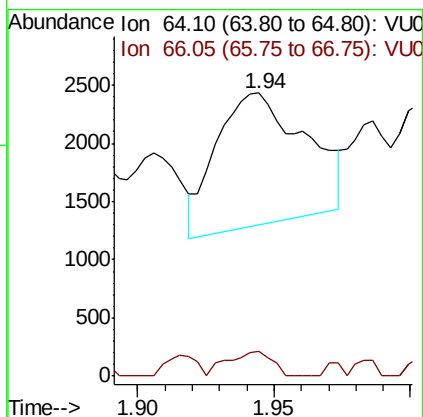
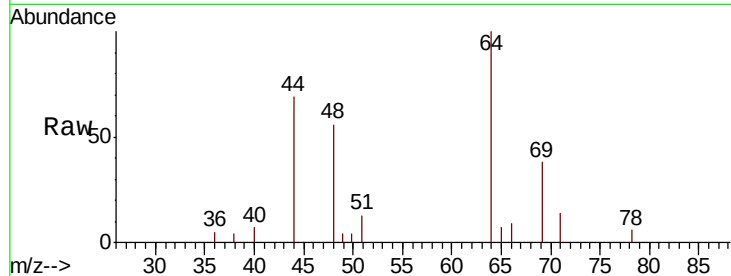




#8
Chloroethane
Concen: 0.362 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040402.D
Acq: 30 Sep 2020 16:26

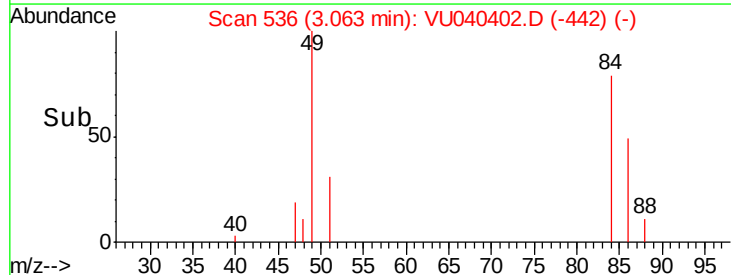
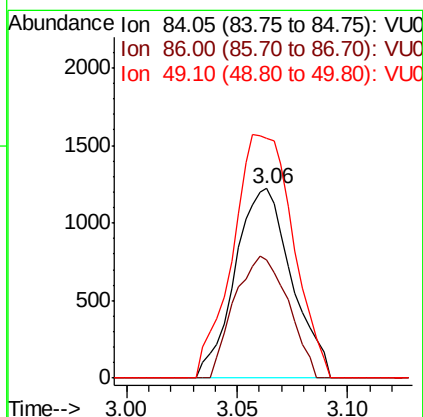
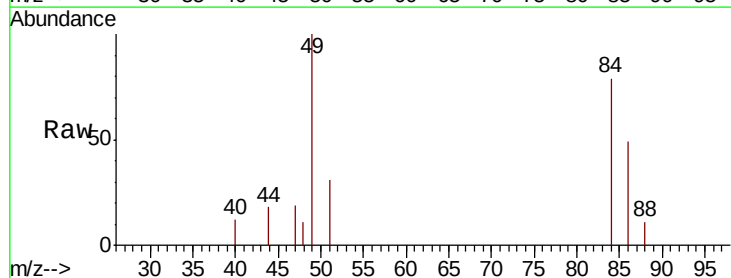
Instrument :
MSVOA_U
ClientSampleId :
BG4A2DL

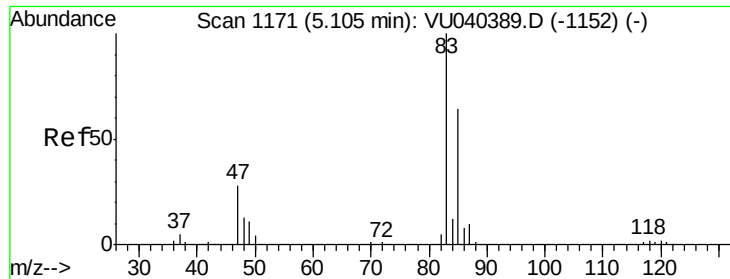
Tot Ion: 64 Resp: 2587
Ion Ratio Lower Upper
64 100
66 8.7 21.3 39.6#



#16
Methylene chloride
Concen: 0.183 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040402.D
Acq: 30 Sep 2020 16:26

Tgt Ion: 84 Resp: 2181
Ion Ratio Lower Upper
84 100
86 62.1 44.4 82.5
49 126.2 92.2 171.2

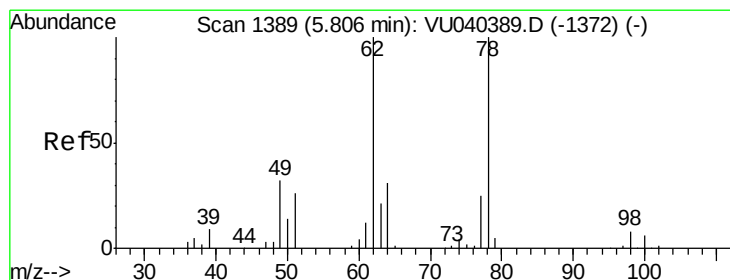
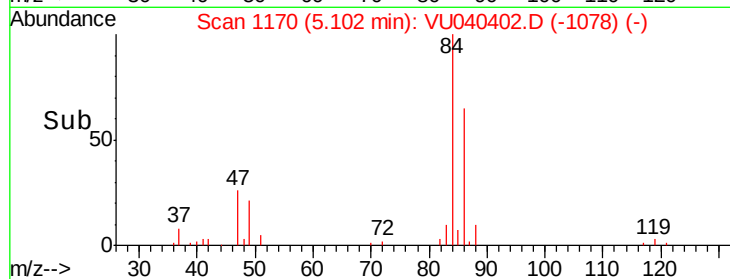
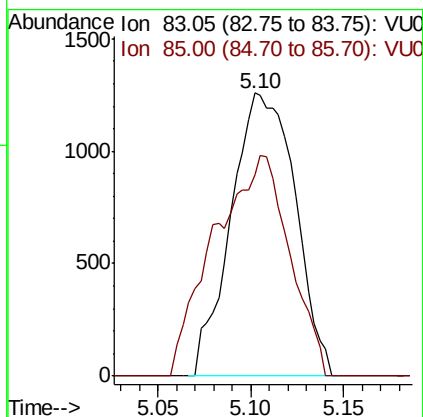
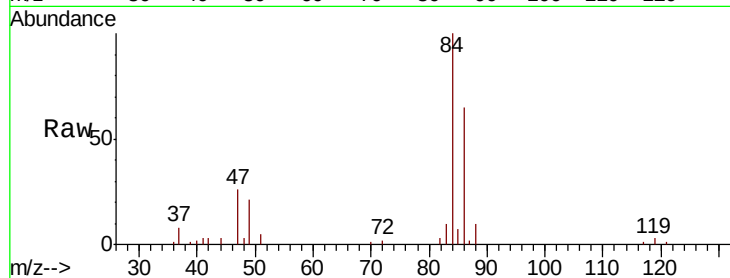




#25
Chloroform
Concen: 0.147 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040402.D
Acq: 30 Sep 2020 16:26

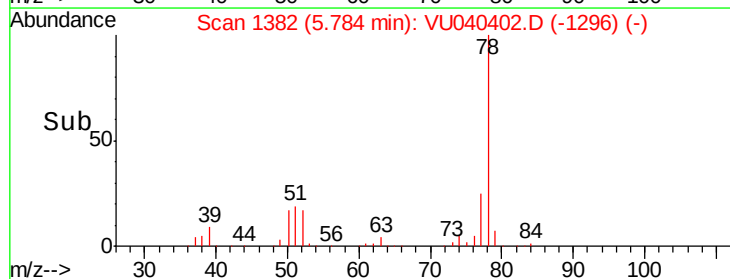
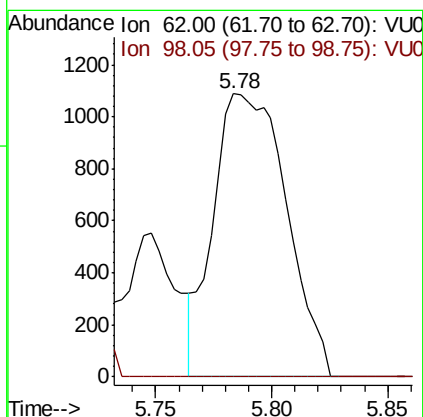
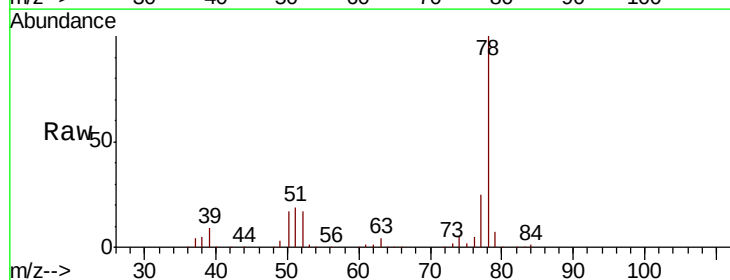
Instrument :
MSVOA_U
ClientSampleId :
BG4A2DL

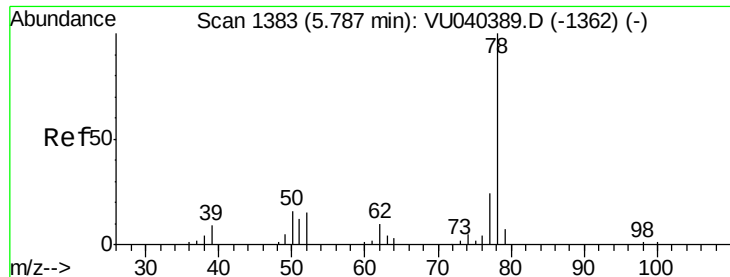
Tot Ion: 83 Resp: 3025
Ion Ratio Lower Upper
83 100
85 71.2 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.167 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.02 min
Lab File: VU040402.D
Acq: 30 Sep 2020 16:26

Tgt Ion: 62 Resp: 2385
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#





#33

Benzene

Concen: 5.606 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040402.D

Acq: 30 Sep 2020 16:26

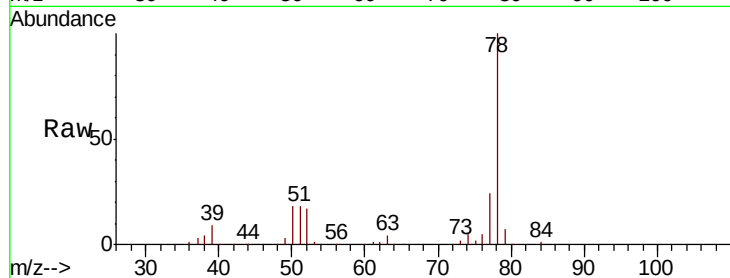
Instrument :

MSVOA_U

ClientSampleId :

BG4A2DL

Tgt Ion: 78 Resp: 241257



Abundance Ion 78.10 (77.80 to 78.80): VU0

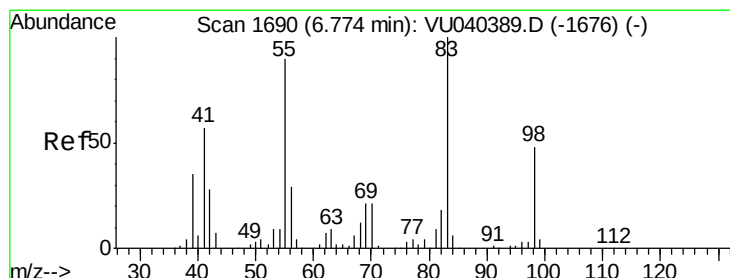
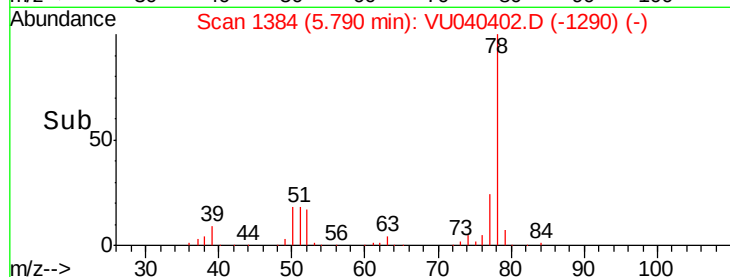
5.79

100000

50000

0

Time-->



#35

Methylcyclohexane

Concen: 0.603 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU040402.D

Acq: 30 Sep 2020 16:26

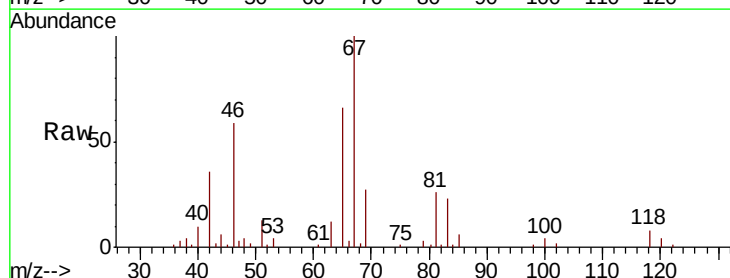
Tgt Ion: 83 Resp: 10108

Ion Ratio Lower Upper

83 100

55 0.5 71.4 107.2#

98 0.5 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

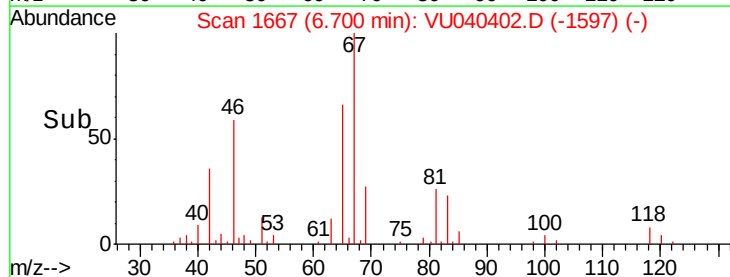
6000

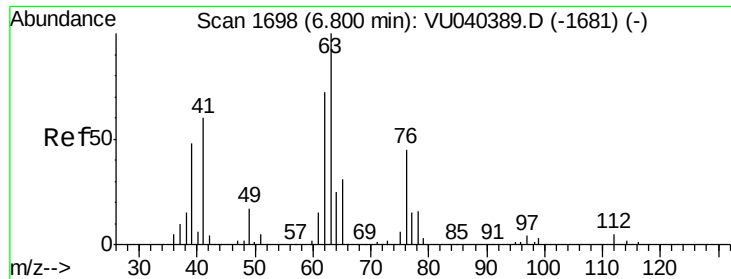
4000

2000

0

Time-->

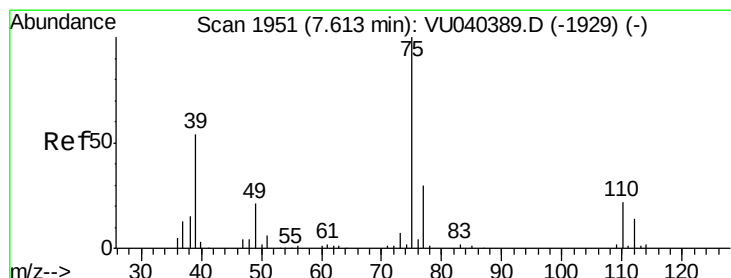
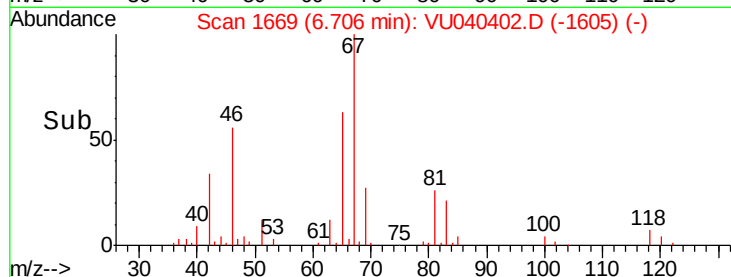
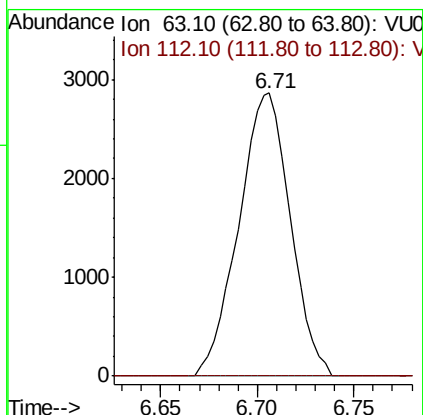
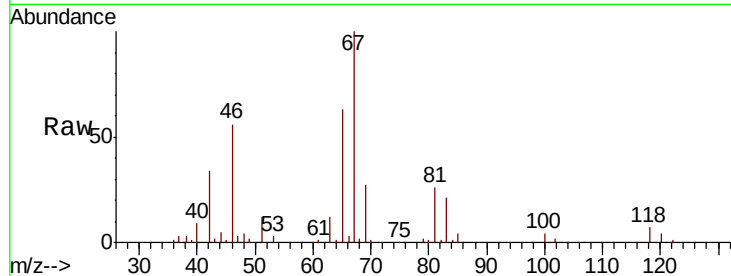




#37
 1,2-Dichloropropane
 Concen: 0.443 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU040402.D
 Acq: 30 Sep 2020 16:26

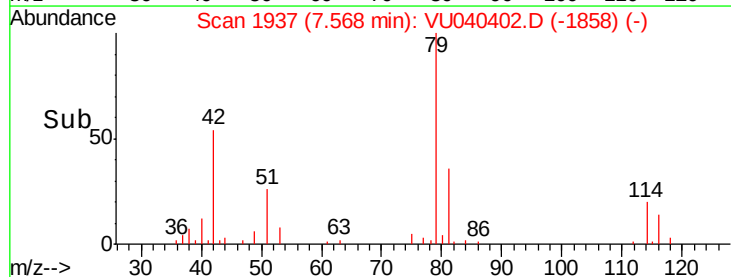
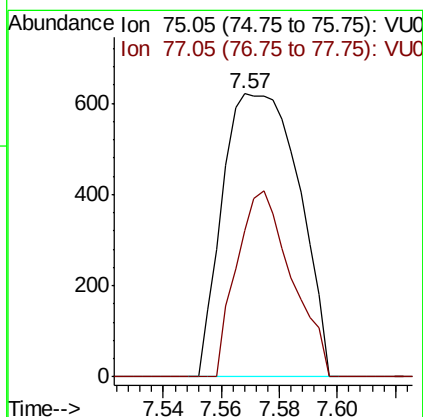
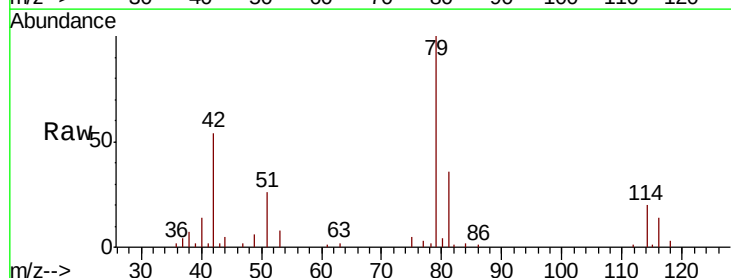
Instrument :
 MSVOA_U
 ClientSampleID :
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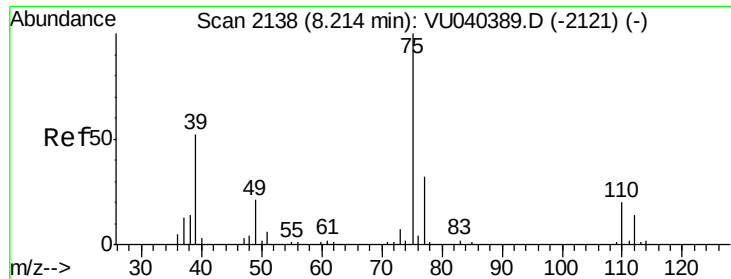
Tot Ion: 63 Resp: 5314
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.071 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU040402.D
 Acq: 30 Sep 2020 16:26

Tgt Ion: 75 Resp: 1135
 Ion Ratio Lower Upper
 75 100
 77 51.9 23.5 43.7#

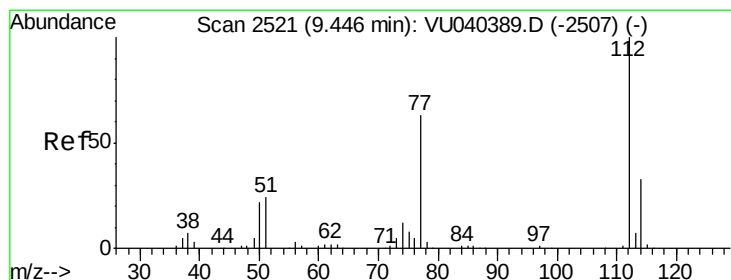
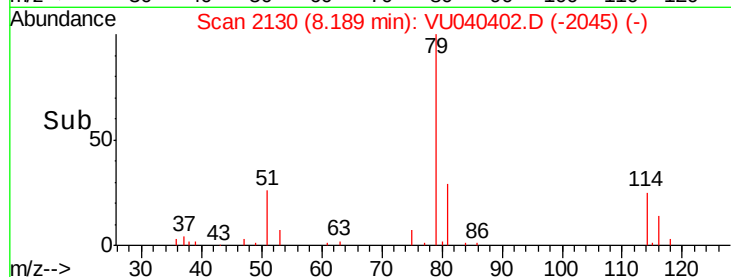
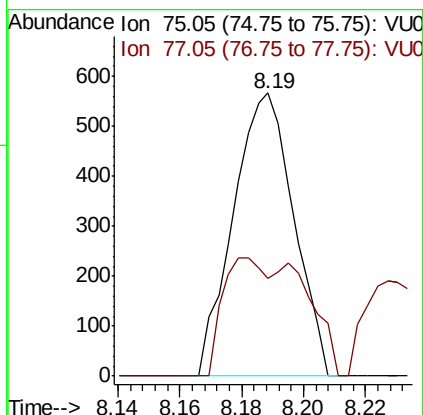
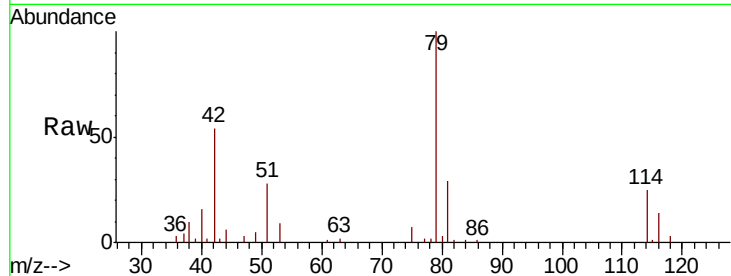




#44
trans-1,3-Dichloropropene
Concen: 0.052 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU040402.D
Acq: 30 Sep 2020 16:26

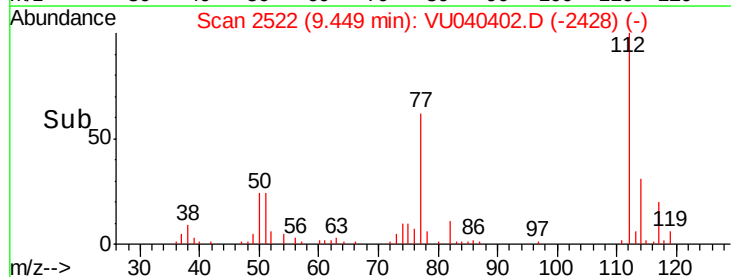
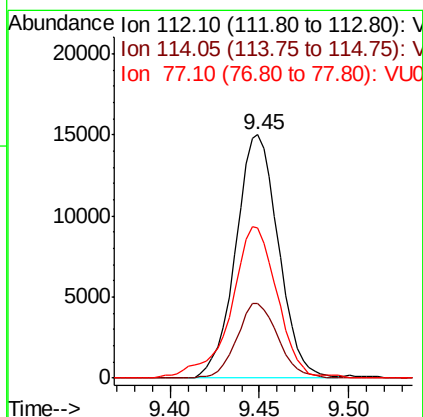
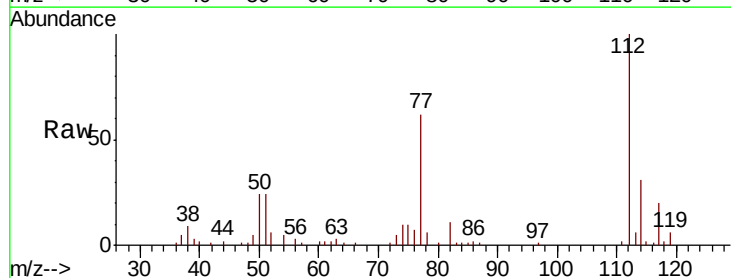
Instrument :
MSVOA_U
ClientSampleId :
BG4A2DL

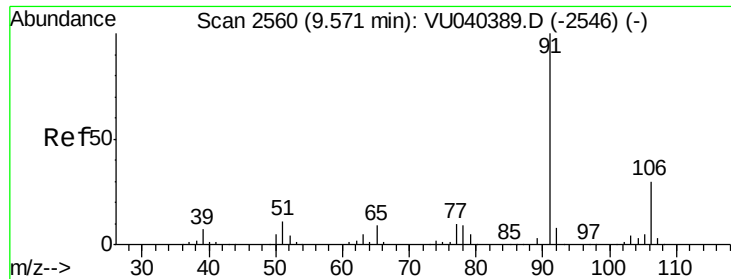
Tot Ion: 75 Resp: 766
Ion Ratio Lower Upper
75 100
77 34.6 22.3 41.3



#51
Chlorobenzene
Concen: 0.880 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040402.D
Acq: 30 Sep 2020 16:26

Tgt Ion: 112 Resp: 25106
Ion Ratio Lower Upper
112 100
114 30.6 22.0 40.8
77 61.5 49.5 74.3





#52

Ethylbenzene

Concen: 0.111 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040402.D

Acq: 30 Sep 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

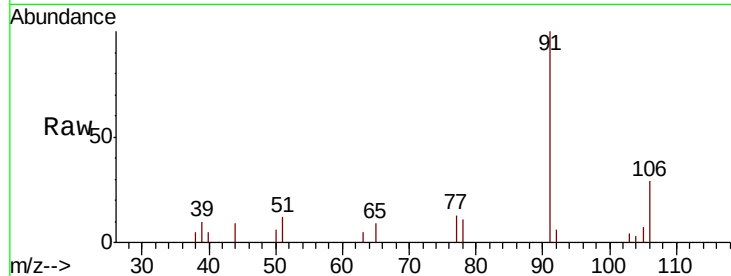
BG4A2DL

Tot Ion: 91 Resp: 5304

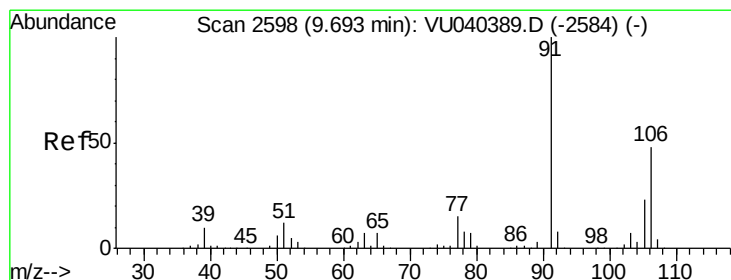
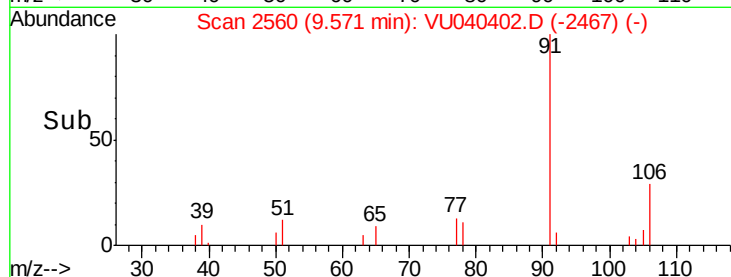
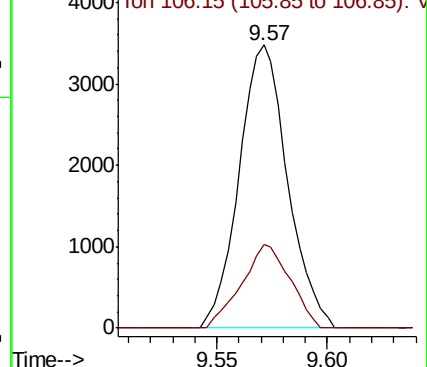
Ion Ratio Lower Upper

91 100

106 29.5 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040389.D (-2546) (-)



#53

m,p-Xylene

Concen: 2.463 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040402.D

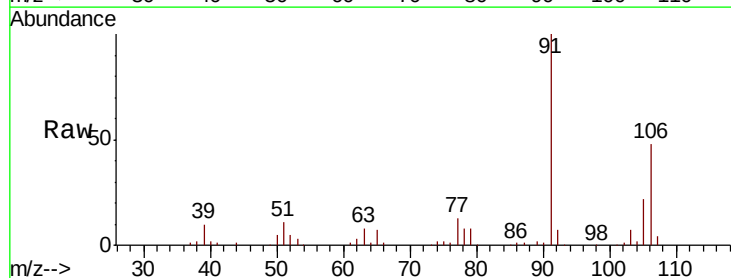
Acq: 30 Sep 2020 16:26

Tgt Ion: 106 Resp: 43941

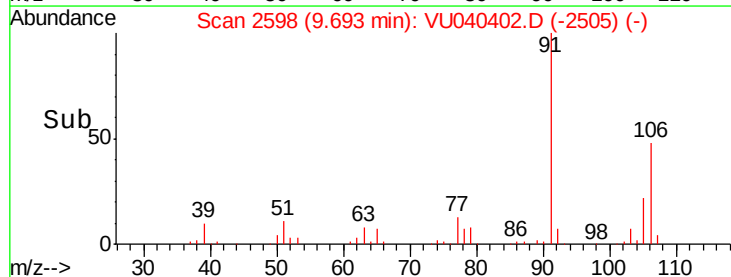
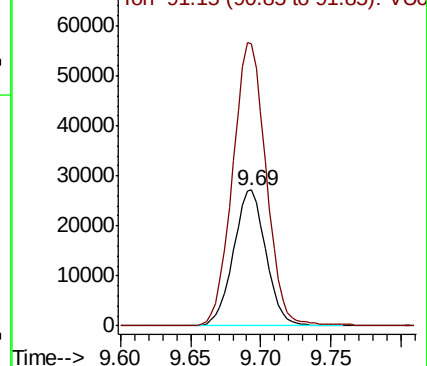
Ion Ratio Lower Upper

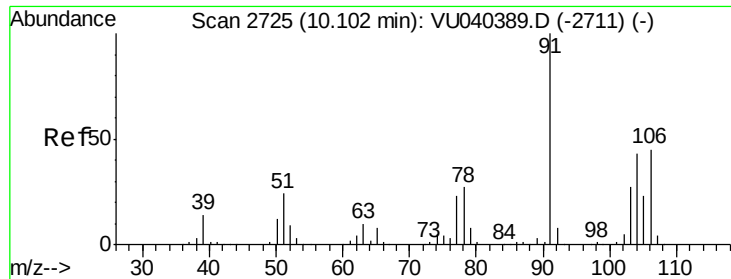
106 100

91 207.1 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040389.D (-2584) (-)

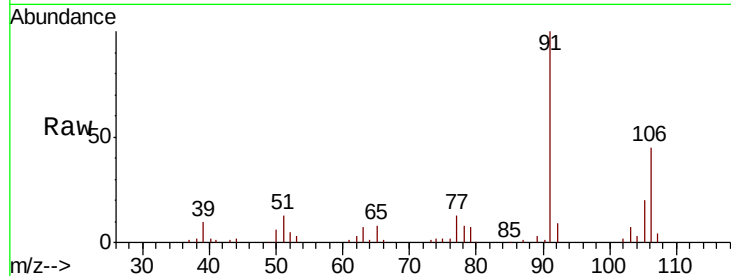




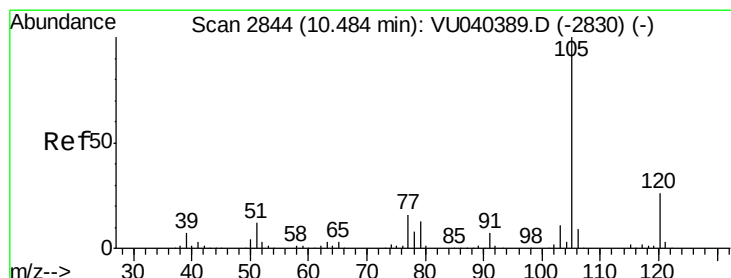
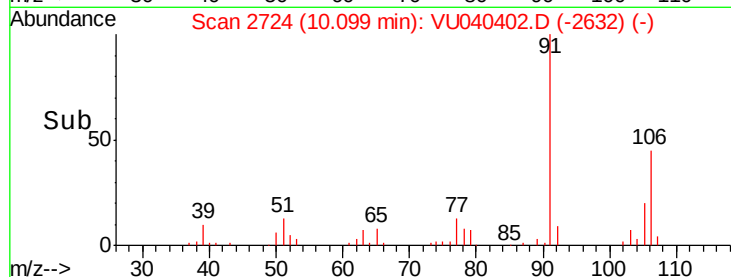
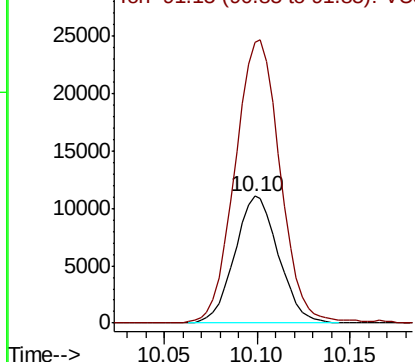
#54
o-Xylene
Concen: 1.078 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040402.D
Acq: 30 Sep 2020 16:26

Instrument :
MSVOA_U
ClientSampleId :
BG4A2DL

Tot Ion:106 Resp: 18090
Ion Ratio Lower Upper
106 100
91 221.7 160.9 298.9

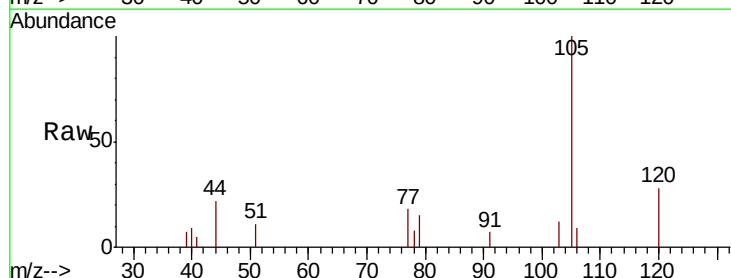


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

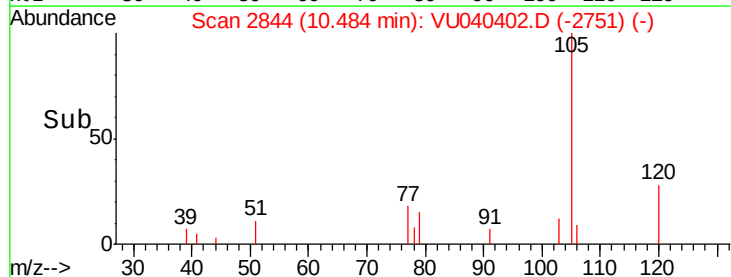
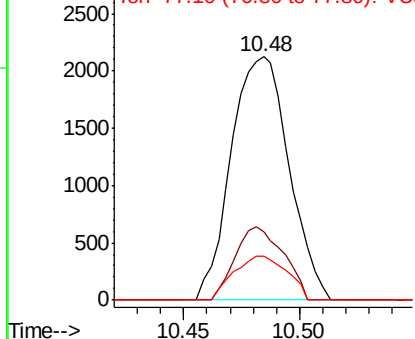


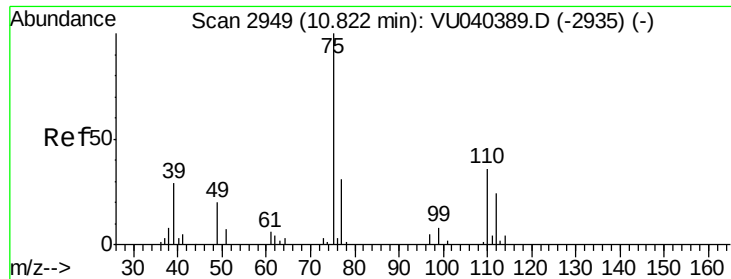
#56
Isopropylbenzene
Concen: 0.081 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU040402.D
Acq: 30 Sep 2020 16:26

Tgt Ion:105 Resp: 3674
Ion Ratio Lower Upper
105 100
120 25.1 20.6 30.8
77 16.7 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): VU0

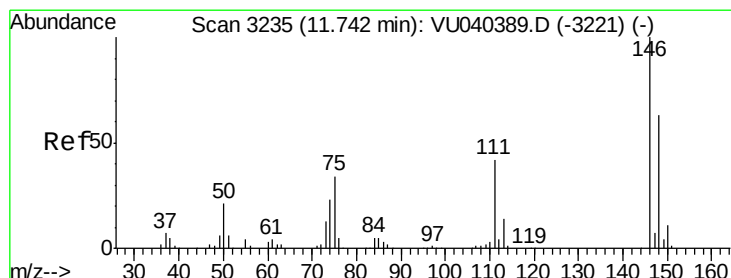
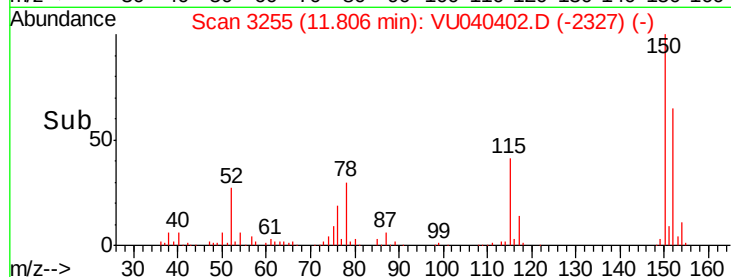
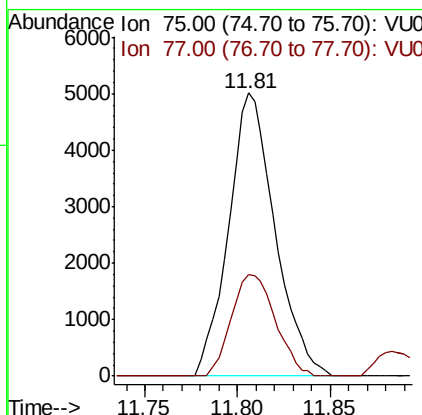
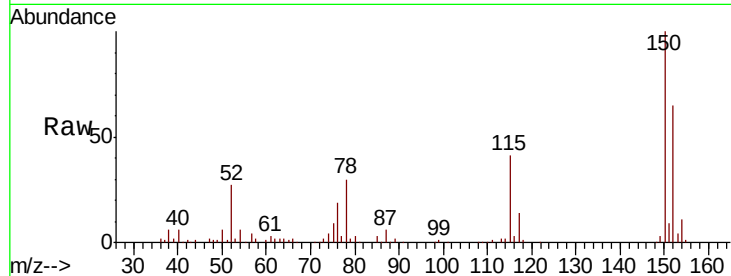




#59
 1,2,3-Trichloropropane
 Concen: 1.001 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU040402.D
 Acq: 30 Sep 2020 16:26

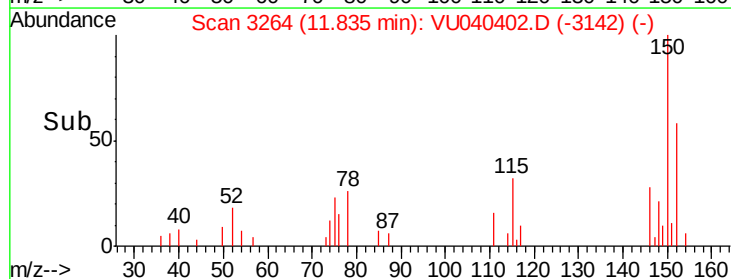
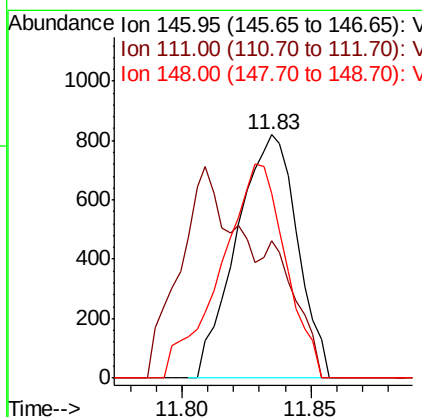
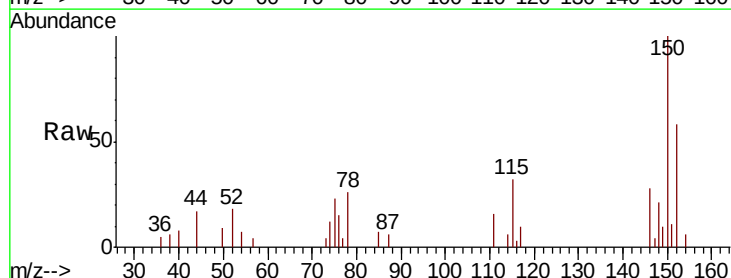
Instrument :
 MSVOA_U
 ClientSampled :
 BG4A2DL

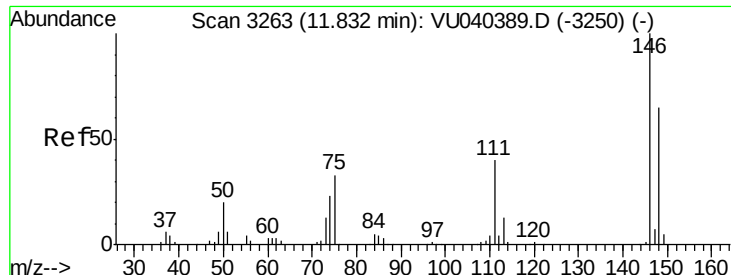
Tot Ion: 75 Resp: 8695
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.7 38.5



#62
 1,3-Dichlorobenzene
 Concen: 0.069 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.09 min
 Lab File: VU040402.D
 Acq: 30 Sep 2020 16:26

Tgt Ion: 146 Resp: 1347
 Ion Ratio Lower Upper
 146 100
 111 56.3 28.6 53.0#
 148 76.1 43.4 80.6





#63

1,4-Dichlorobenzene

Concen: 0.066 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU040402.D

Acq: 30 Sep 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

BG4A2DL

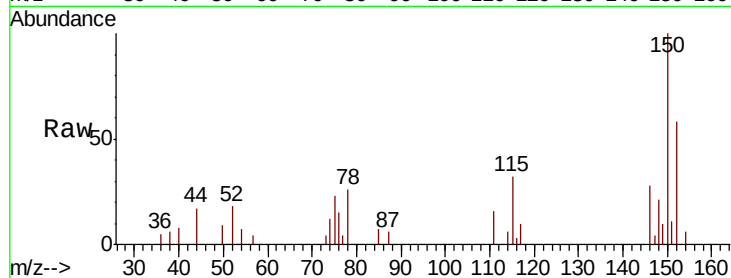
Tot Ion:146 Resp: 1347

Ion Ratio Lower Upper

146 100

111 56.3 29.2 54.2#

148 76.1 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

