

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053020\
 Data File : VU038383.D
 Acq On : 29 May 2020 18:05
 Operator : JC/MD
 Sample : L2749-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4X4

Quant Time: May 30 00:45:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:03:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	302816	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	304435	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	156863	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95219	3.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.80%
7) Chloroethane-d5	1.93	69	89103	3.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.40%
11) 1,1-Dichloroethene-d2	2.59	63	146319	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.67	46	254660	37.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.52%
24) Chloroform-d	5.10	84	197293	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.74	65	113198	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.76	84	407793	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.72	67	129908	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.92	98	375994	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	8.20	79	50606	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.65	63	278164	49.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	114778	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	151727	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

						Qvalue
8) Chloroethane	1.95	64	40938	2.04	ug/L	# 77
13) Acetone	2.68	43	15091	3.52	ug/L	82
18) trans-1,2-Dichloroethene	3.39	96	4677	0.20	ug/L	91
19) 1,1-Dichloroethane	3.91	63	5959	0.13	ug/L	# 90
30) Cyclohexane	5.42	56	108535	2.64	ug/L	99
33) Benzene	5.81	78	221652	2.27	ug/L	100
35) Methylcyclohexane	6.79	83	58936	1.49	ug/L	89
42) Toluene	7.99	91	33748	0.33	ug/L	100
51) Chlorobenzene	9.47	112	4798234	75.13	ug/L	98
52) Ethylbenzene	9.59	91	10854	0.10	ug/L	94
53) m,p-Xylene	9.71	106	3692	0.09	ug/L	77
54) o-Xylene	10.12	106	20873	0.51	ug/L	93
56) Isopropylbenzene	10.50	105	7142649	67.28	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	27916	0.55	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	278242	5.38	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	199191	4.06	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

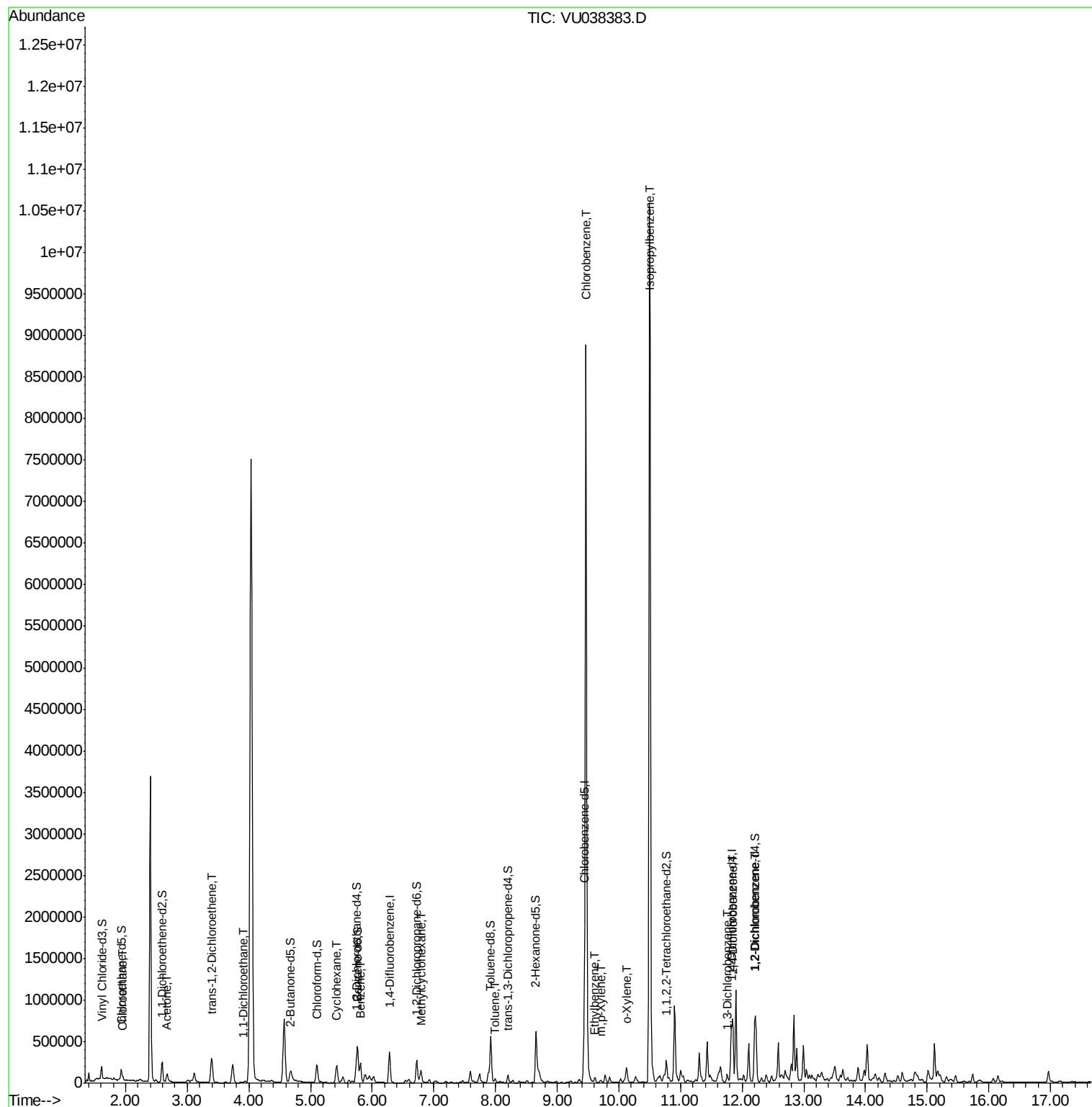
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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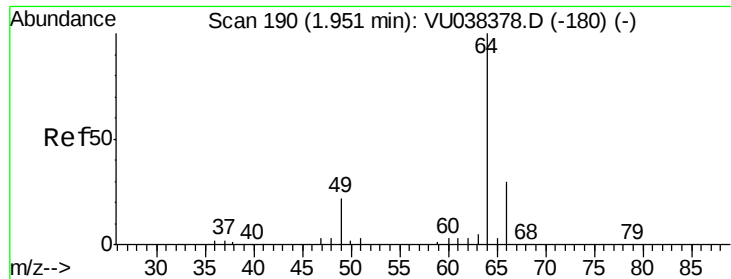
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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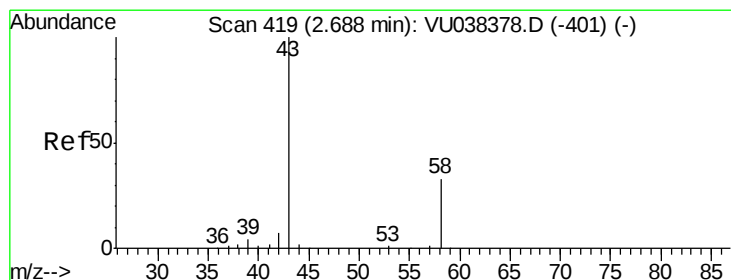
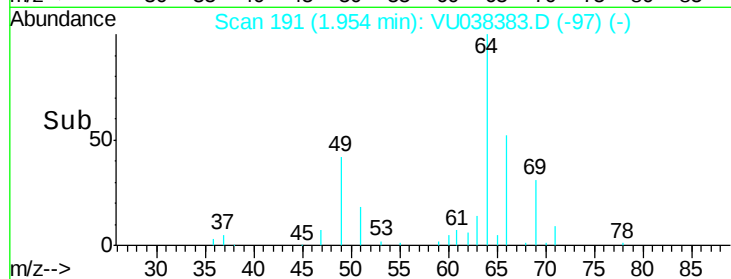
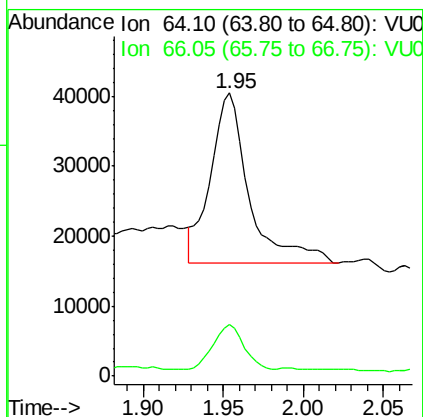
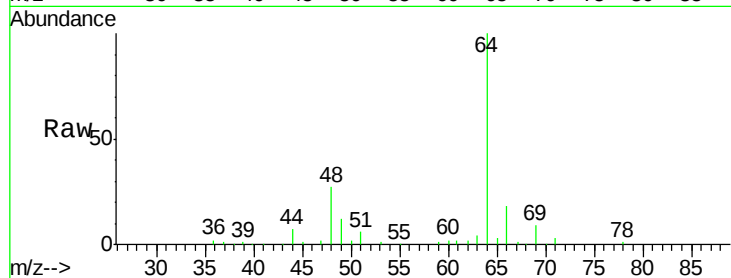




#8
 Chloroethane
 Concen: 2.04 ug/L
 RT: 1.95 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VU038383.D
 Acq: 29 May 2020 18:05

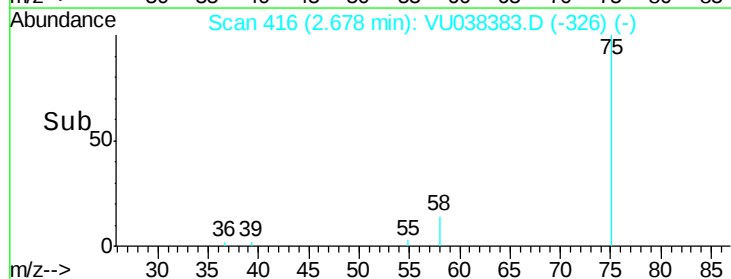
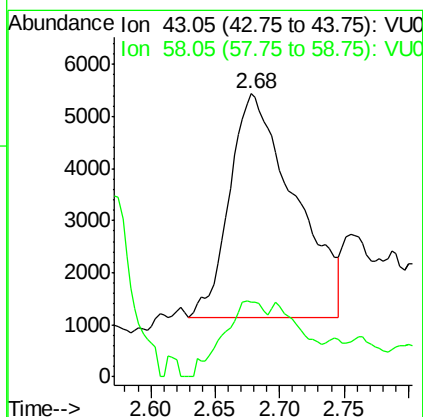
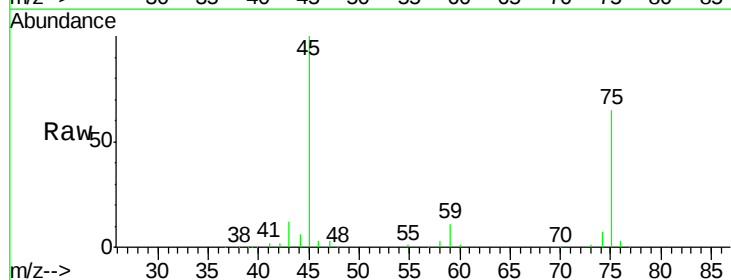
Instrument :
 MSVOA_U
 ClientSampled :
 BE4X4

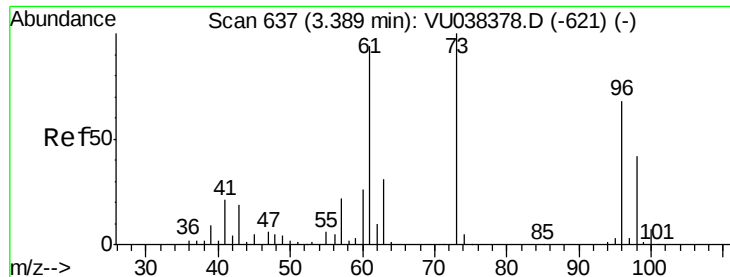
Tgt Ion: 64 Resp: 40938
 Ion Ratio Lower Upper
 64 100
 66 18.3 21.8 40.4#



#13
 Acetone
 Concen: 3.52 ug/L
 RT: 2.68 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VU038383.D
 Acq: 29 May 2020 18:05

Tgt Ion: 43 Resp: 15091
 Ion Ratio Lower Upper
 43 100
 58 21.9 0.0 63.6

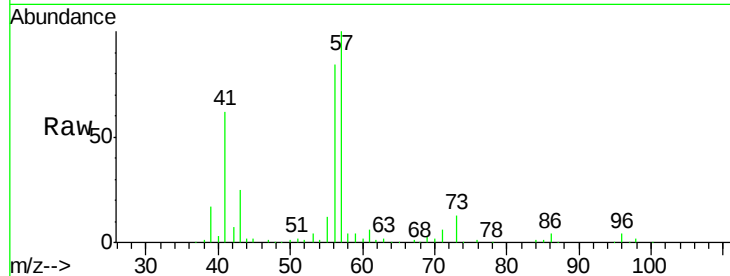




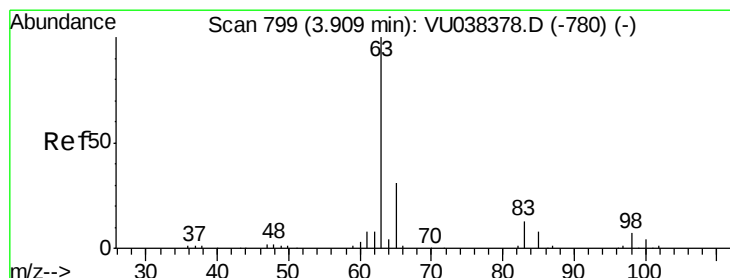
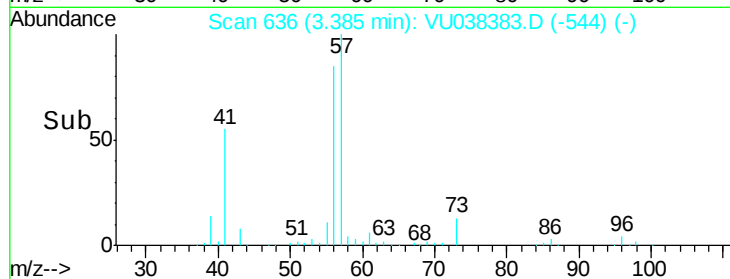
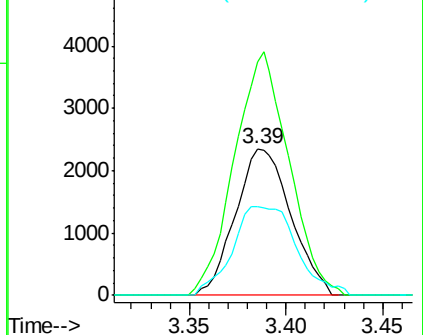
#18
 trans-1,2-Dichloroethene
 Concen: 0.20 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU038383.D
 Acq: 29 May 2020 18:05

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4X4

Tgt Ion: 96 Resp: 4677
 Ion Ratio Lower Upper
 96 100
 61 159.0 102.1 189.5
 98 60.8 45.6 84.8

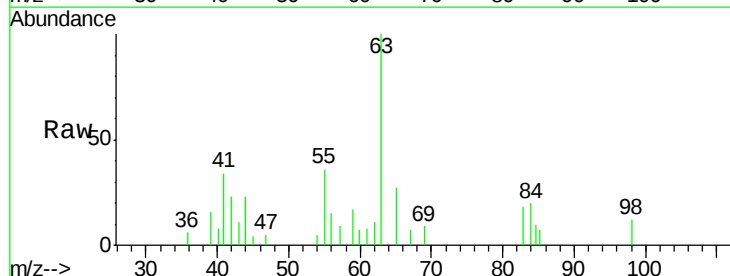


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

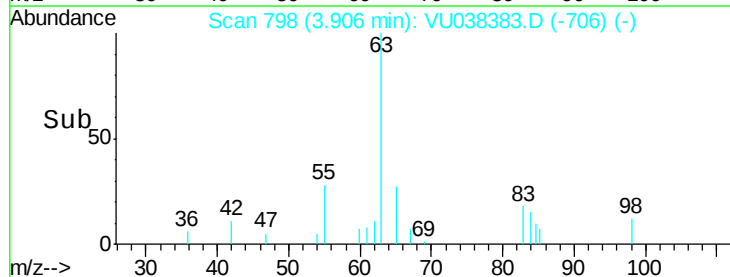
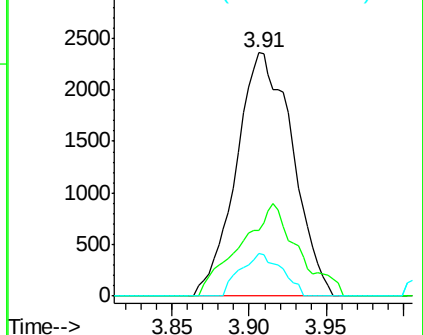


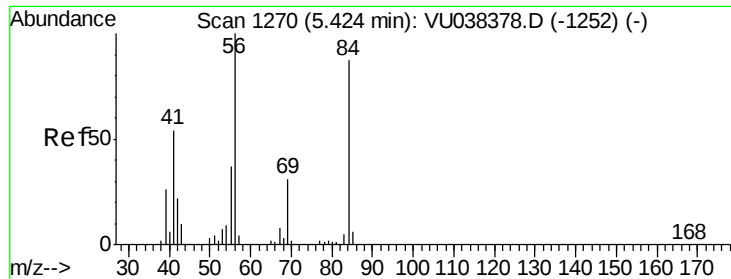
#19
 1,1-Dichloroethane
 Concen: 0.13 ug/L
 RT: 3.91 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: VU038383.D
 Acq: 29 May 2020 18:05

Tgt Ion: 63 Resp: 5959
 Ion Ratio Lower Upper
 63 100
 65 27.1 22.5 41.7
 83 17.7 8.9 16.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

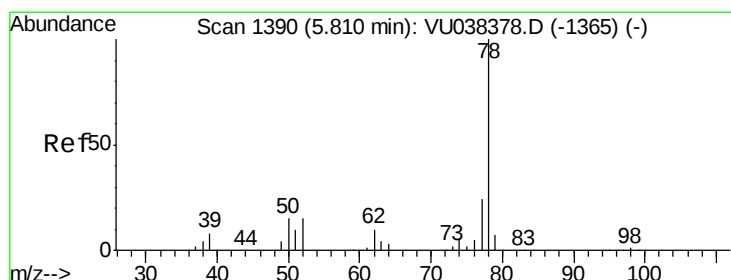
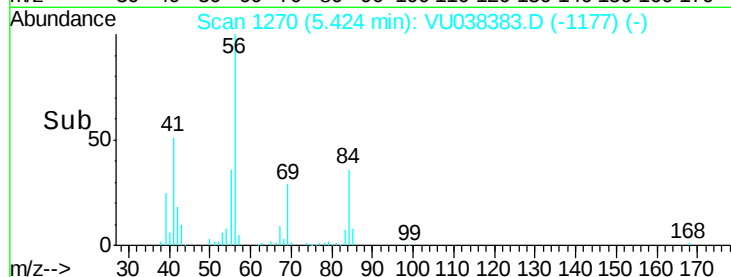
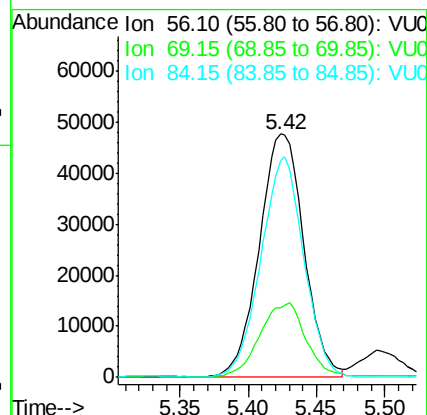
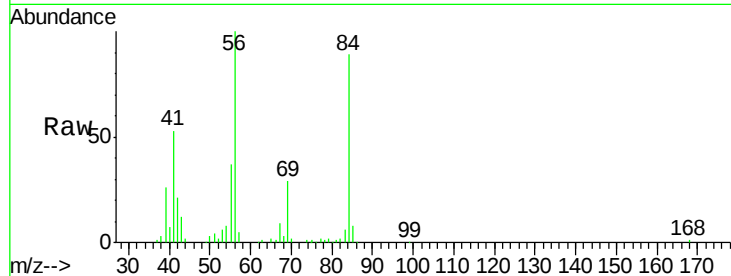




#30
Cyclohexane
Concen: 2.64 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

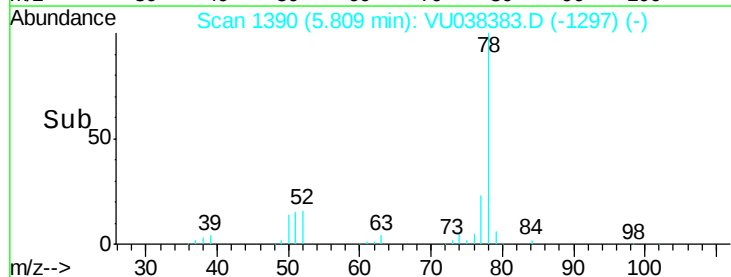
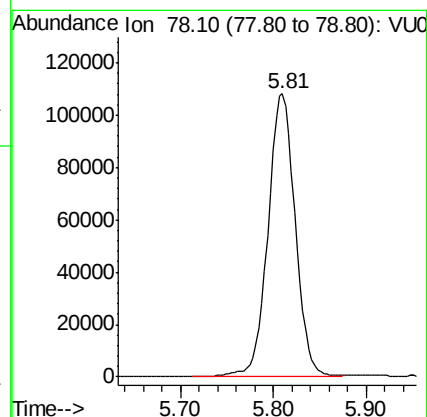
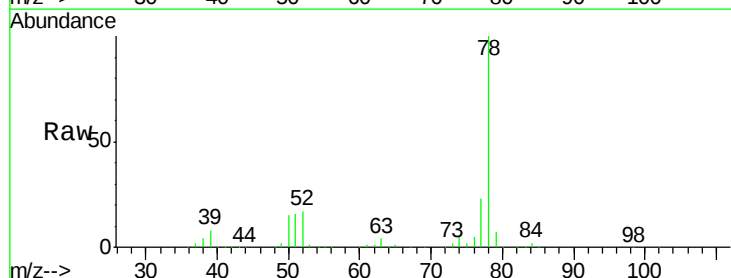
Instrument :
MSVOA_U
ClientSampleId :
BE4X4

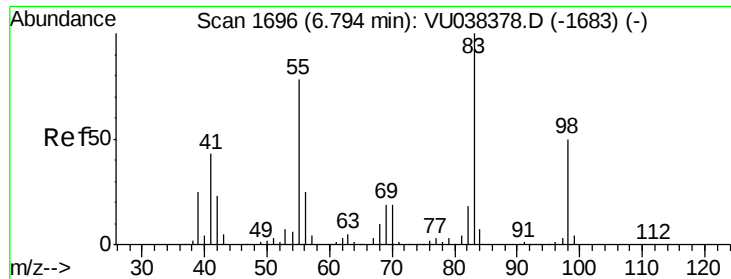
Tgt Ion: 56 Resp: 108535
Ion Ratio Lower Upper
56 100
69 31.6 24.2 36.4
84 86.0 68.5 102.7



#33
Benzene
Concen: 2.27 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion: 78 Resp: 221652

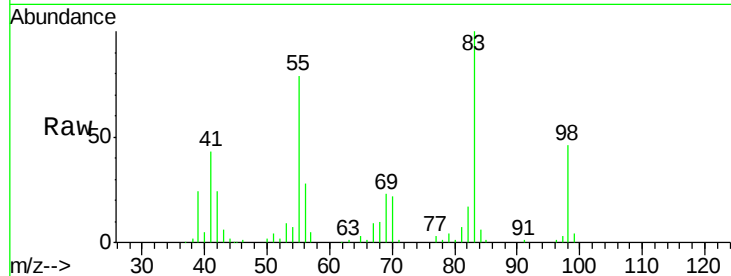




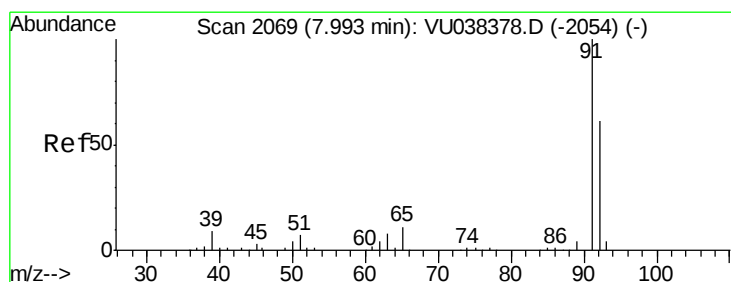
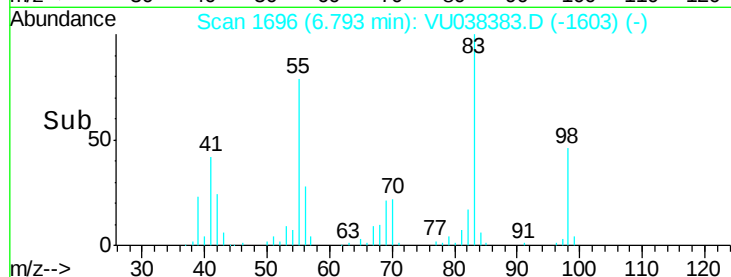
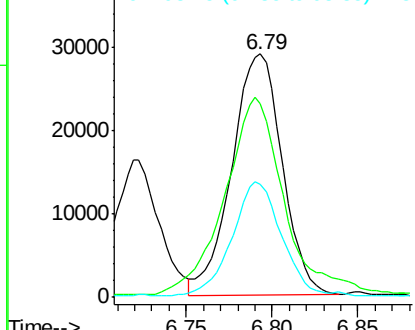
#35
Methylcyclohexane
Concen: 1.49 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Instrument :
MSVOA_U
ClientSampleId :
BE4X4

Tgt Ion: 83 Resp: 58936
Ion Ratio Lower Upper
83 100
55 97.1 66.7 100.1
98 46.0 39.4 59.2

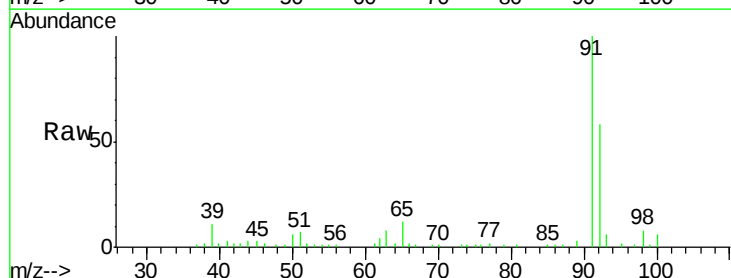


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

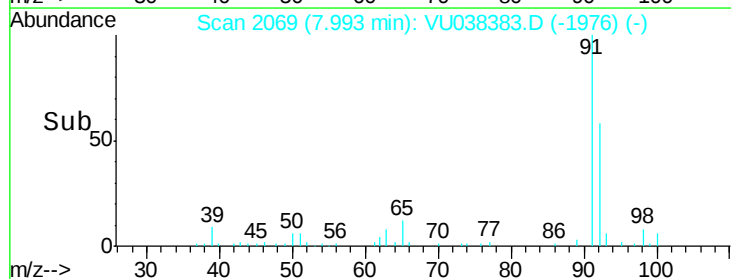
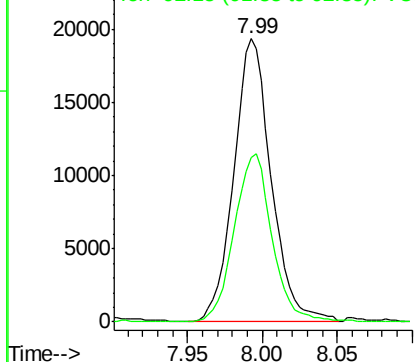


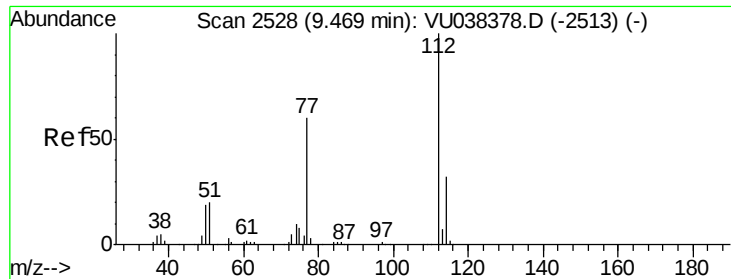
#42
Toluene
Concen: 0.33 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion: 91 Resp: 33748
Ion Ratio Lower Upper
91 100
92 58.2 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0

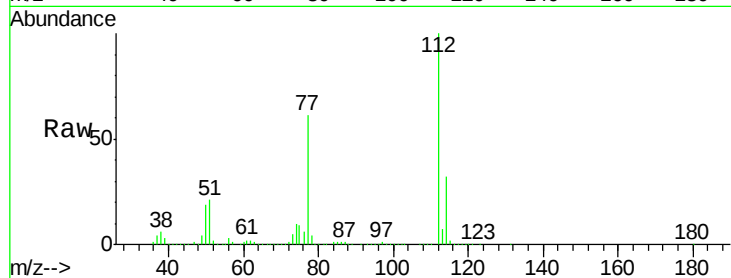




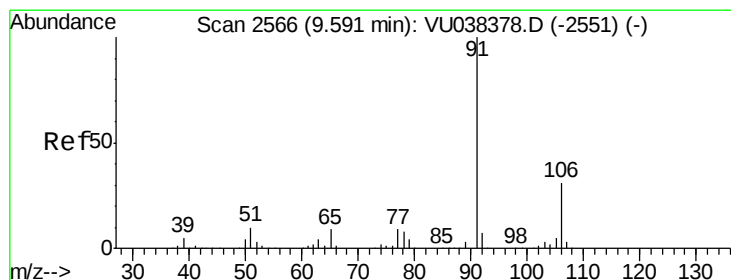
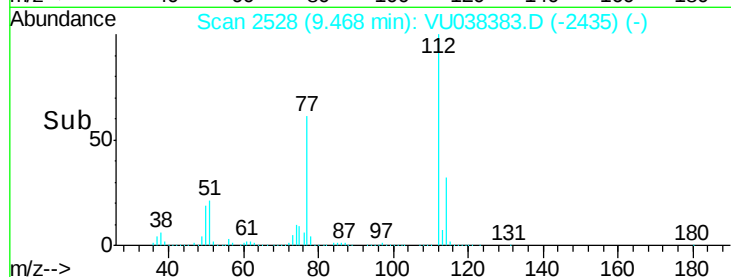
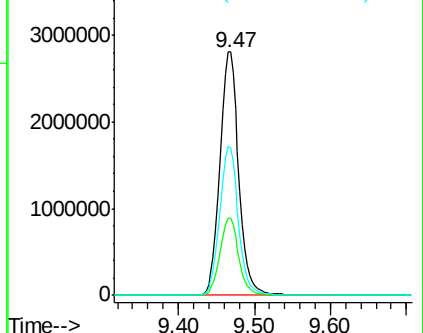
#51
Chlorobenzene
Concen: 75.13 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Instrument :
MSVOA_U
ClientSampleId :
BE4X4

Tgt Ion: 112 Resp: 4798234
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.7
77 60.6 49.9 74.9

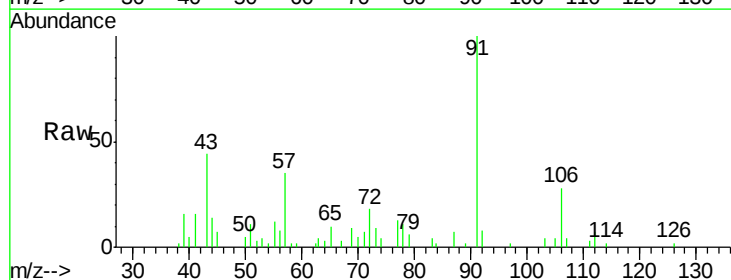


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

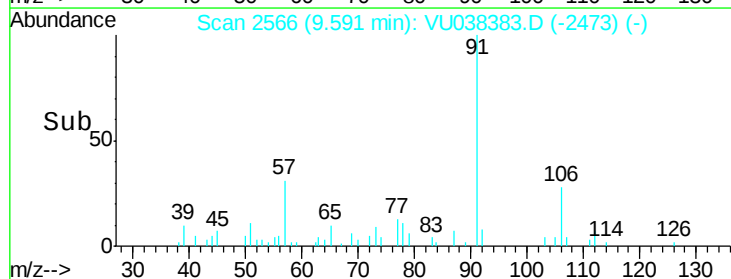
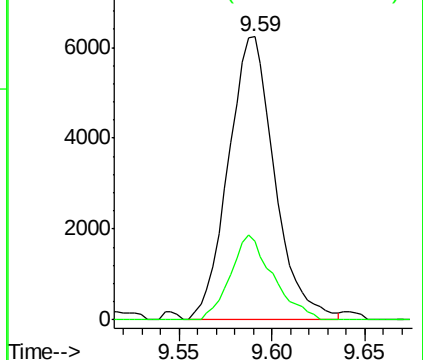


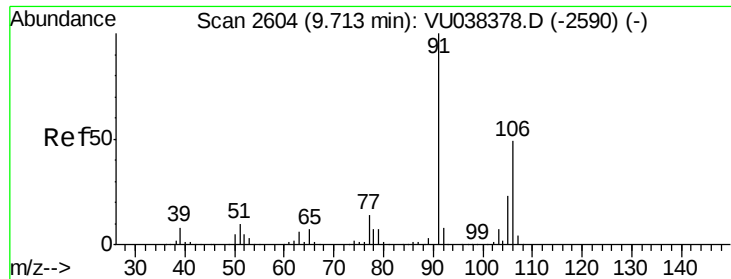
#52
Ethylbenzene
Concen: 0.10 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU038383.D
Acq: 29 May 2020 18:05

Tgt Ion: 91 Resp: 10854
Ion Ratio Lower Upper
91 100
106 27.6 21.8 40.4



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





#53

m,p-Xylene

Concen: 0.09 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038383.D

Acq: 29 May 2020 18:05

Instrument :

MSVOA_U

ClientSampleId :

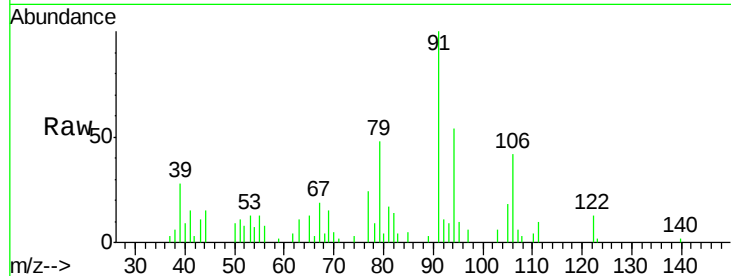
BE4X4

Tgt Ion:106 Resp: 3692

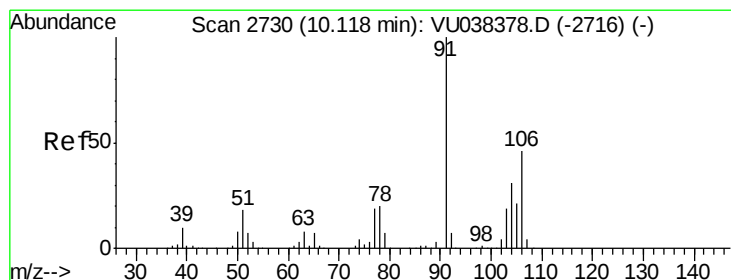
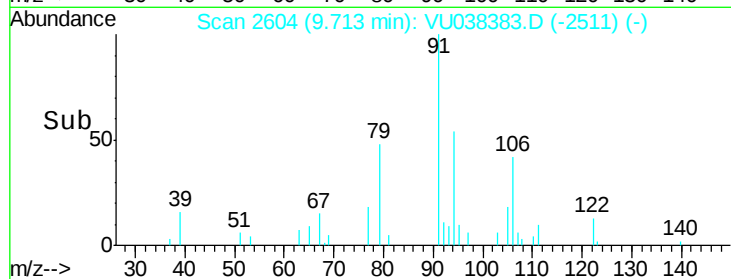
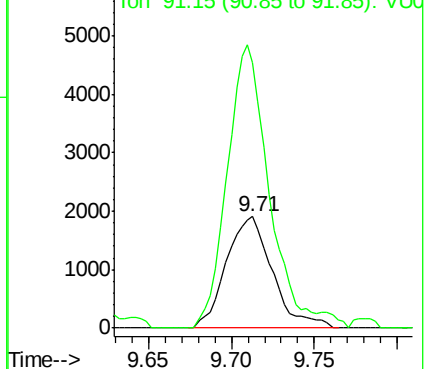
Ion Ratio Lower Upper

106 100

91 237.6 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V



#54

o-Xylene

Concen: 0.51 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038383.D

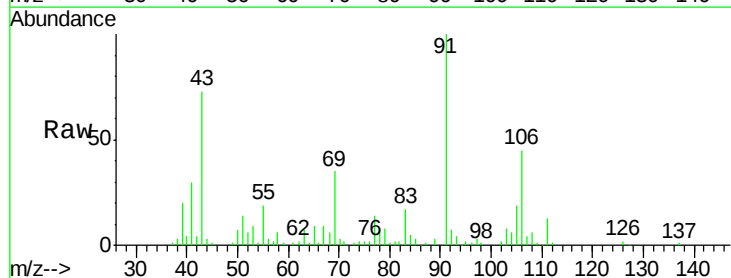
Acq: 29 May 2020 18:05

Tgt Ion:106 Resp: 20873

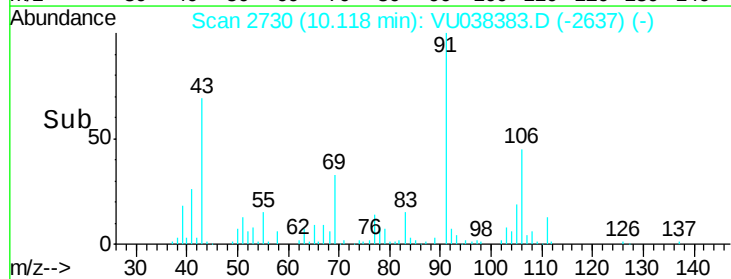
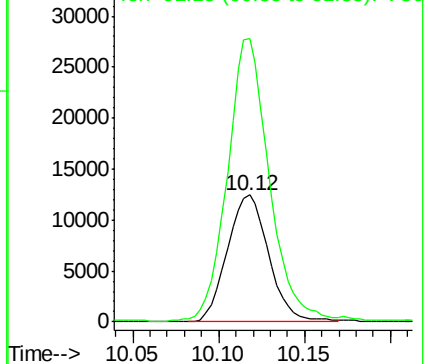
Ion Ratio Lower Upper

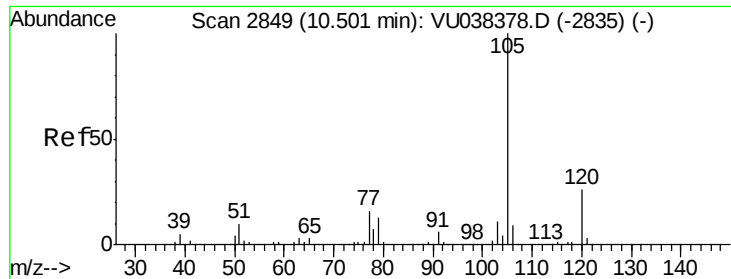
106 100

91 222.9 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V





#56

Isopropylbenzene

Concen: 67.28 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038383.D

Acq: 29 May 2020 18:05

Instrument :

MSVOA_U

ClientSampled :

BE4X4

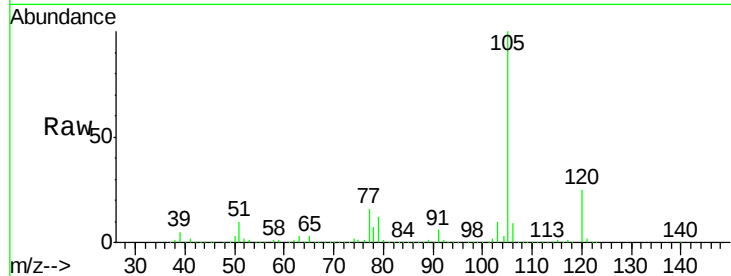
Tgt Ion:105 Resp: 7142649

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.6

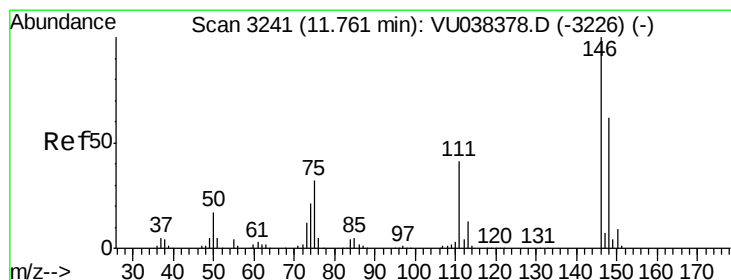
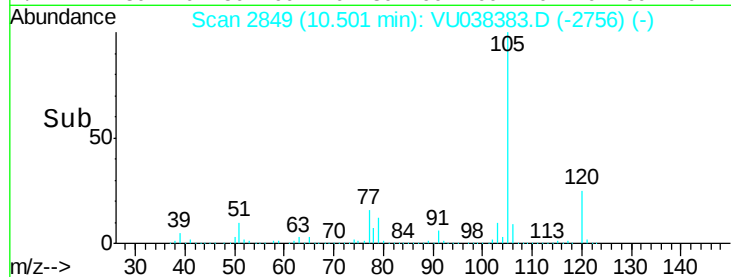
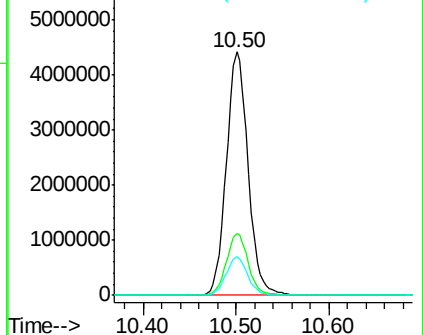
77 15.8 13.0 19.4



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



#62

1,3-Dichlorobenzene

Concen: 0.55 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038383.D

Acq: 29 May 2020 18:05

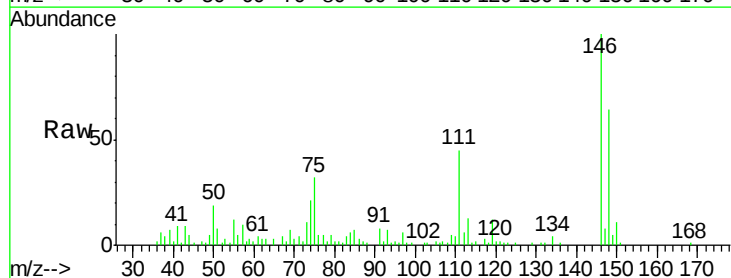
Tgt Ion:146 Resp: 27916

Ion Ratio Lower Upper

146 100

111 44.5 28.6 53.2

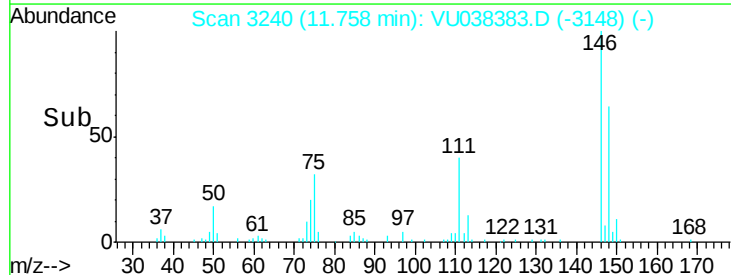
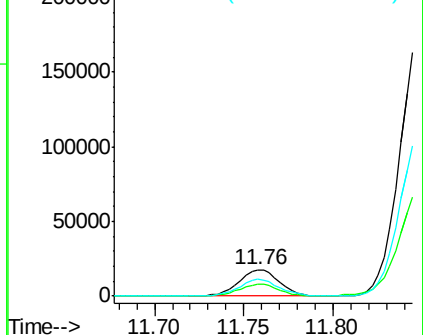
148 63.5 45.2 84.0

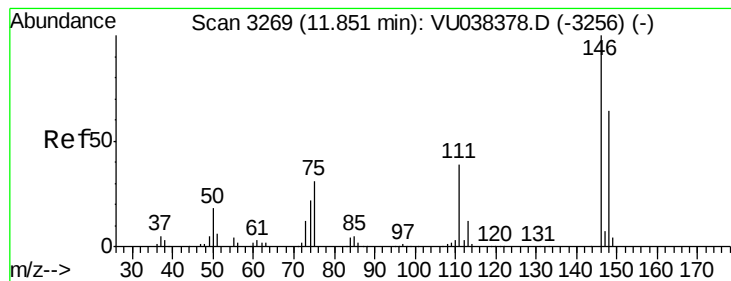


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 5.38 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038383.D

Acq: 29 May 2020 18:05

Instrument :

MSVOA_U

ClientSampleId :

BE4X4

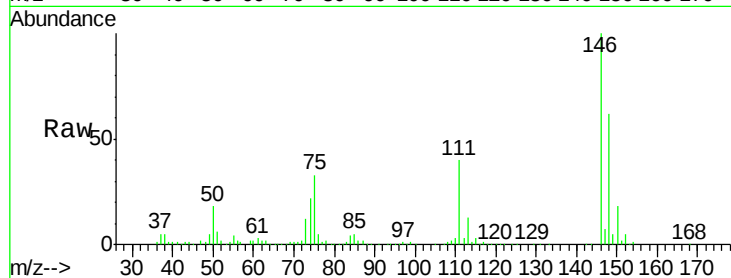
Tgt Ion:146 Resp: 278242

Ion Ratio Lower Upper

146 100

111 40.0 27.2 50.6

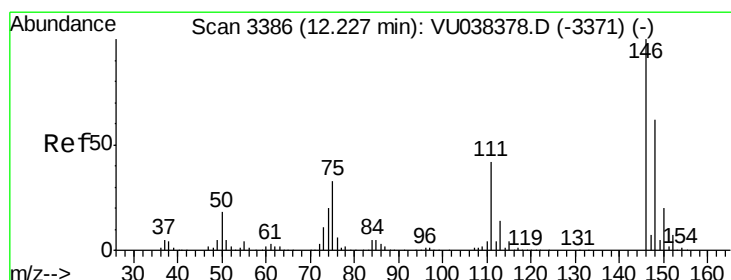
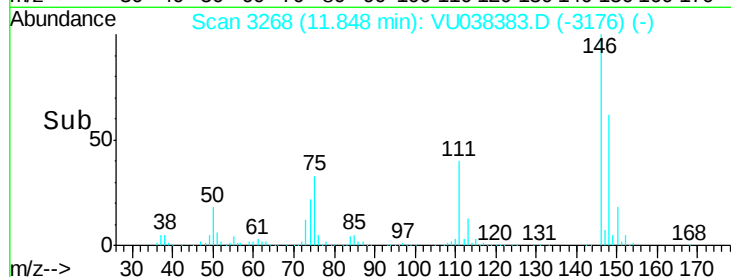
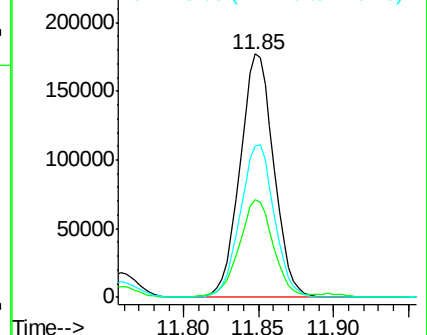
148 62.4 43.8 81.3



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



#65

1,2-Dichlorobenzene

Concen: 4.06 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038383.D

Acq: 29 May 2020 18:05

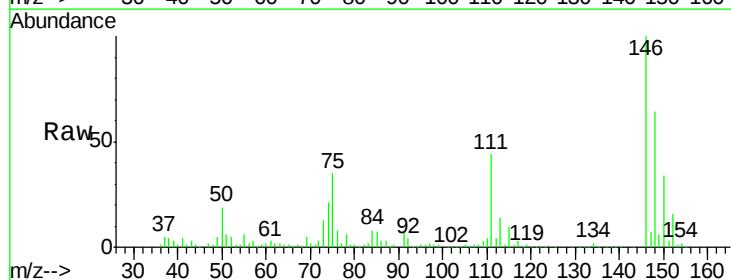
Tgt Ion:146 Resp: 199191

Ion Ratio Lower Upper

146 100

111 43.5 35.3 52.9

148 64.0 51.0 76.4



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

