

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052120\
 Data File : VU038274.D
 Acq On : 21 May 2020 19:21
 Operator : JC/MD
 Sample : L2724-12DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 22 01:07:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 01:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	518086	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	497874	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	247173	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	120608	2.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	51.00%
7) Chloroethane-d5	1.93	69	137593	3.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.20%
11) 1,1-Dichloroethene-d2	2.59	63	181179	2.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.80%#
20) 2-Butanone-d5	4.66	46	528936	45.24	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.48%
24) Chloroform-d	5.10	84	284219	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.00%
26) 1,2-Dichloroethane-d4	5.74	65	167496	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
32) Benzene-d6	5.76	84	579156	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
36) 1,2-Dichloropropane-d6	6.72	67	191421	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.60%
41) Toluene-d8	7.92	98	509914	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.00%
43) trans-1,3-Dichloropropene-	8.20	79	67455	3.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.00%
46) 2-Hexanone-d5	8.66	63	456896	50.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.32%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	162331	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	203934	4.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.08	84	2620	0.063	ug/L	90
27) 1,2-Dichloroethane	5.81	62	41660	0.825	ug/L #	73
33) Benzene	5.81	78	4728205	29.656	ug/L	100
35) Methylcyclohexane	6.79	83	7930	0.123	ug/L	99
37) 1,2-Dichloropropane	6.72	63	20623	0.476	ug/L #	97
39) cis-1,3-Dichloropropene	7.59	75	4598	0.074	ug/L #	56
42) Toluene	8.00	91	23288	0.138	ug/L	97
48) 2-Hexanone	8.71	43	32789	1.492	ug/L #	90
51) Chlorobenzene	9.47	112	268532	2.571	ug/L	96
52) Ethylbenzene	9.59	91	699122	3.835	ug/L	100
53) m,p-Xylene	9.71	106	340216	4.867	ug/L	100
54) o-Xylene	10.11	106	59941	0.887	ug/L	91
56) Isopropylbenzene	10.50	105	278663	1.605	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	42013	1.445	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	6723	0.084	ug/L	92
63) 1,4-Dichlorobenzene	11.85	146	29291	0.359	ug/L	96
65) 1,2-Dichlorobenzene	12.22	146	19042	0.246	ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 22 01:03:14 2020
Response via : Initial Calibration

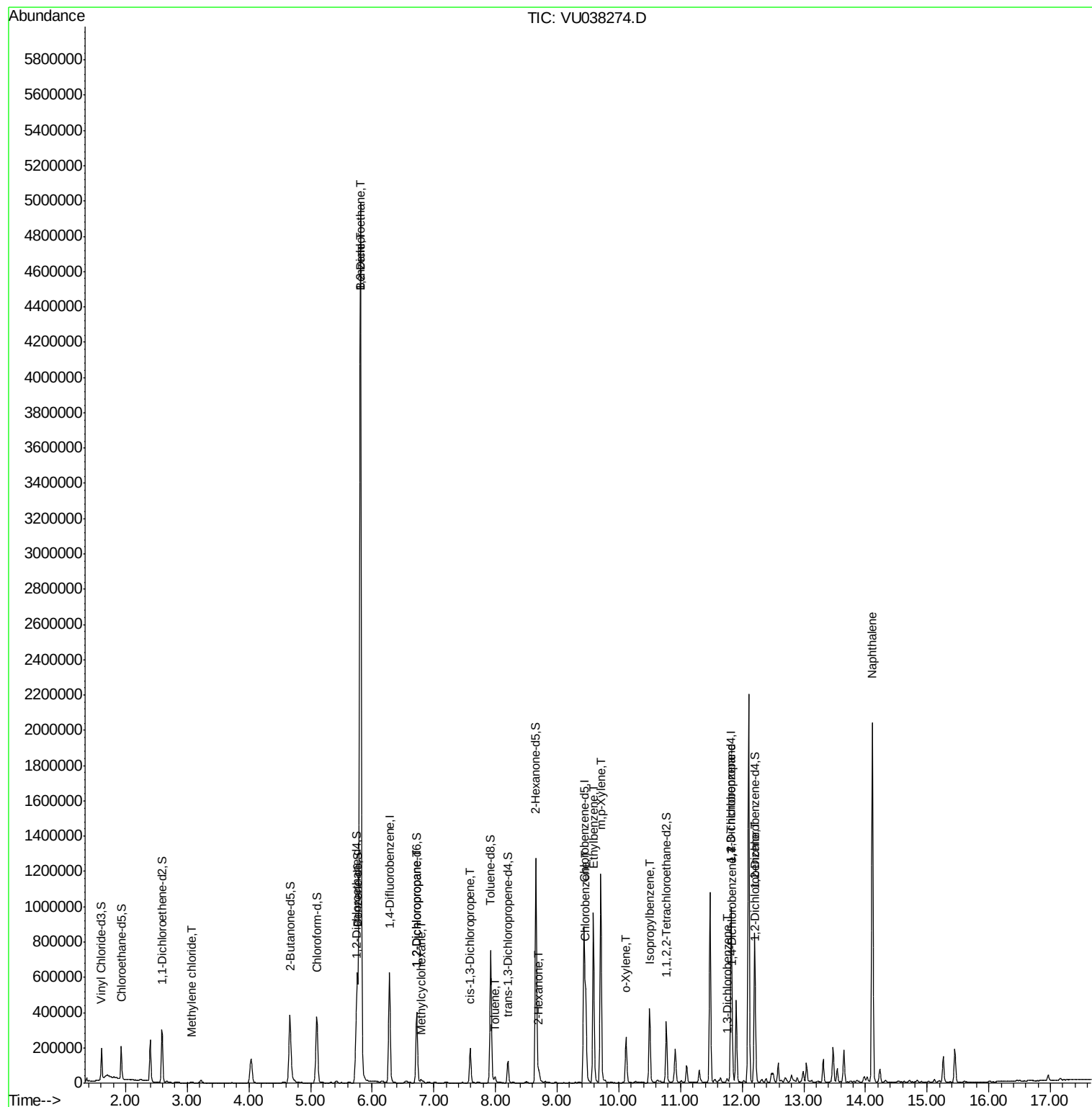
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	14.11	128	1613975	14.484	ug/L	100

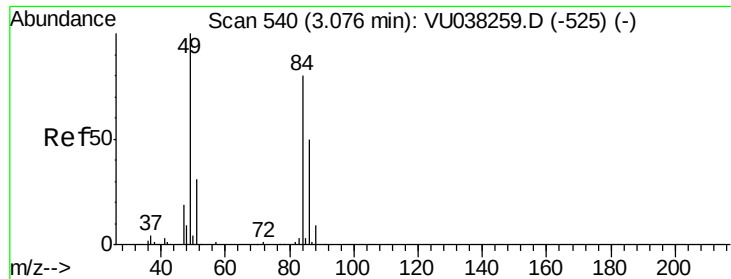
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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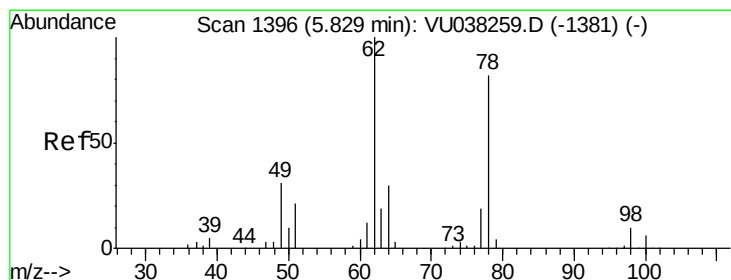
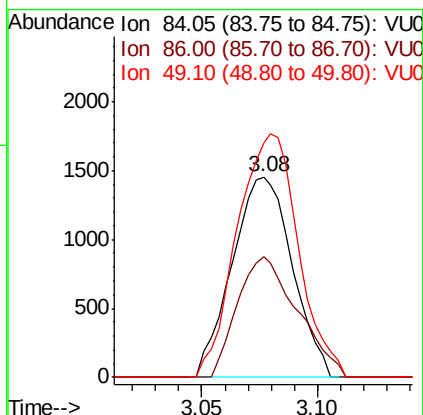
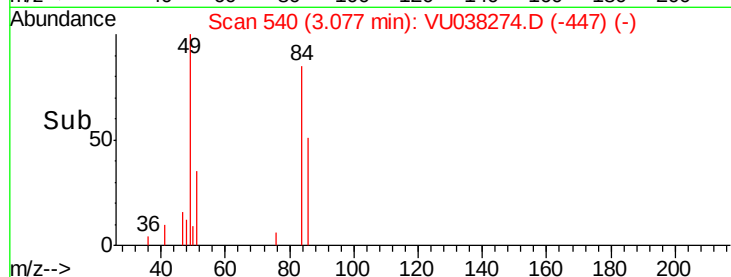
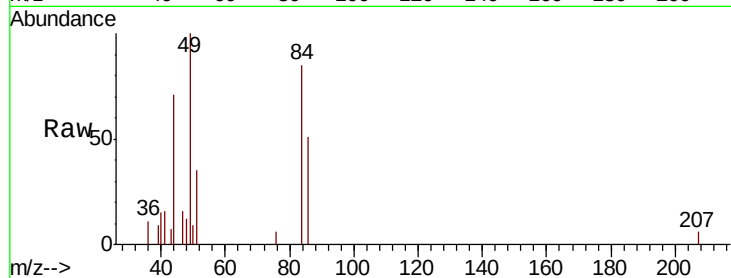




#16
Methylene chloride
Concen: 0.063 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038274.D
Acq: 21 May 2020 19:21

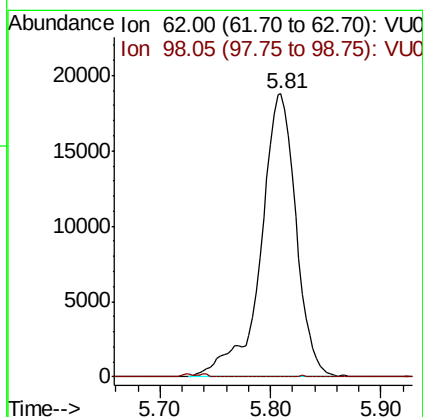
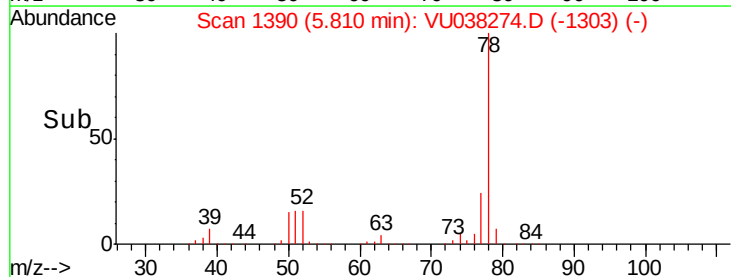
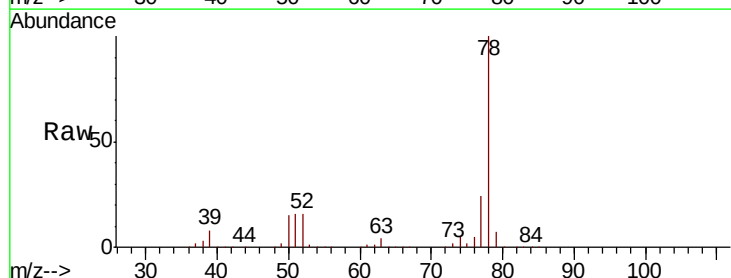
Instrument :
MSVOA_U
ClientSampleId :

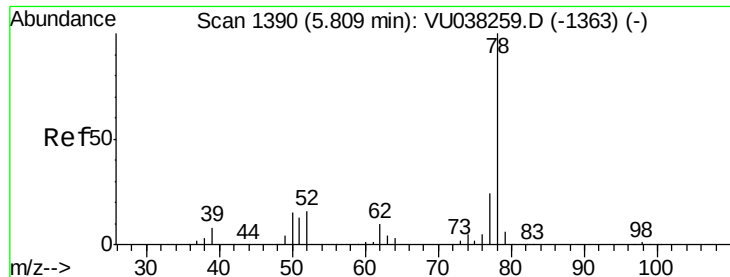
Tot Ion: 84 Resp: 2620
Ion Ratio Lower Upper
84 100
86 59.9 44.9 83.3
49 117.0 92.0 170.9



#27
1,2-Dichloroethane
Concen: 0.825 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.02 min
Lab File: VU038274.D
Acq: 21 May 2020 19:21

Tgt Ion: 62 Resp: 41660
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#





#33

Benzene

Concen: 29.656 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038274.D

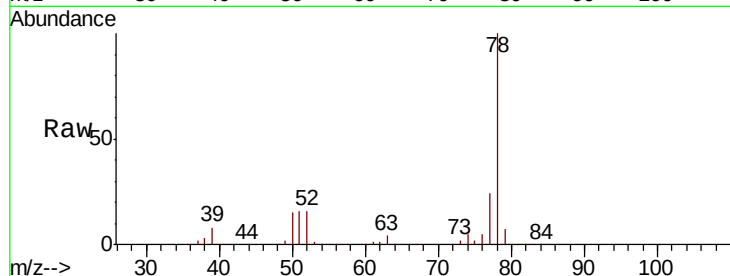
Acq: 21 May 2020 19:21

Instrument :

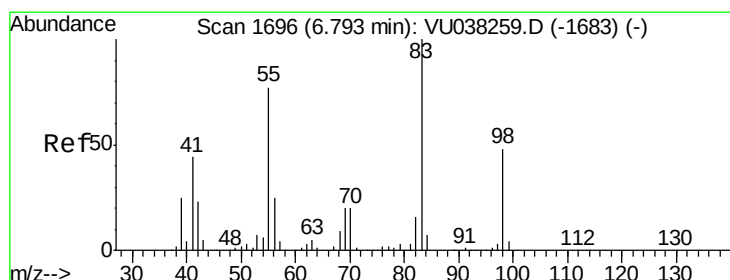
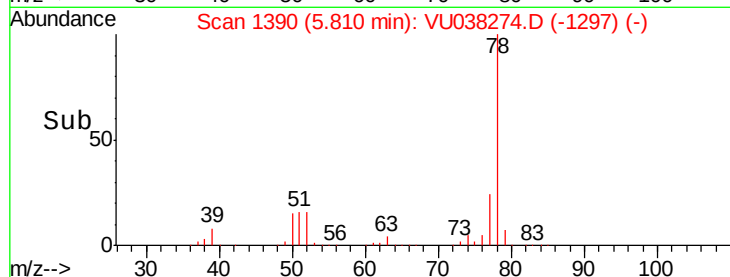
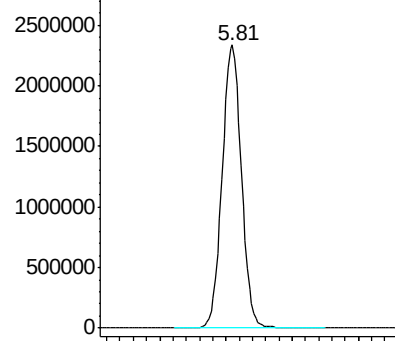
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 4728205



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.123 ug/L

RT: 6.79 min Scan# 1696

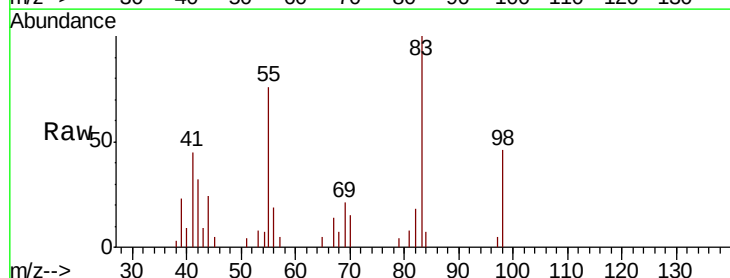
Delta R.T. 0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Tgt Ion: 83 Resp: 7930

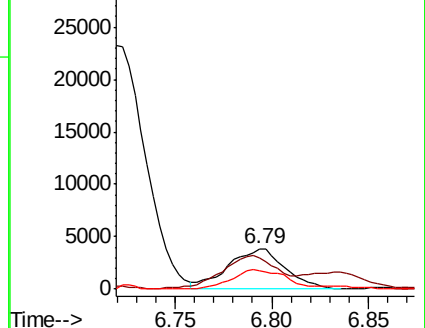
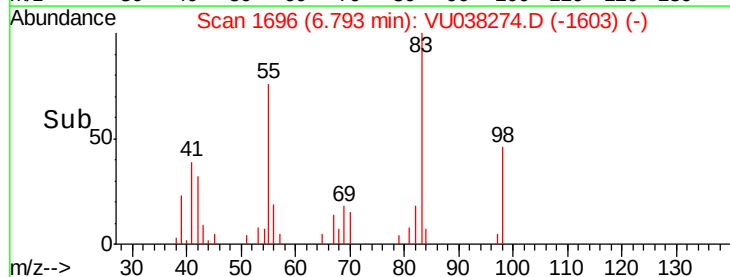
Ion	Ratio	Lower	Upper
83	100		
55	82.2	66.7	100.1
98	50.3	39.4	59.2

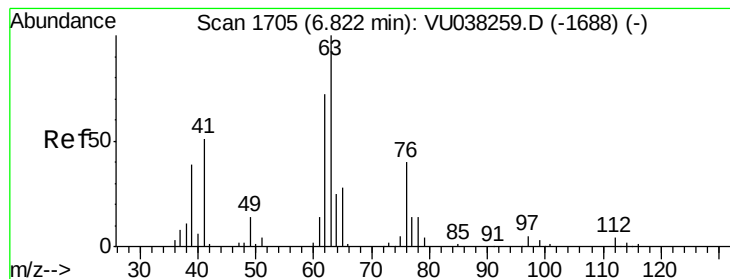


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.476 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Instrument :

MSVOA_U

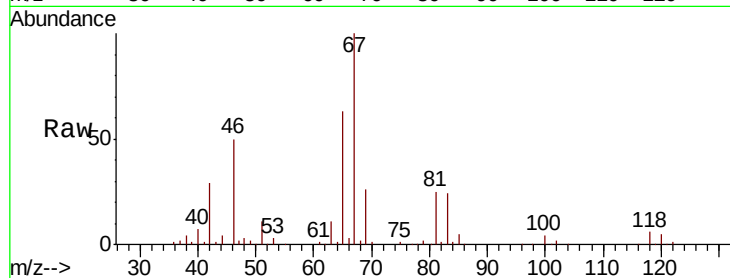
ClientSampleId :

Tot Ion: 63 Resp: 20623

Ion Ratio Lower Upper

63 100

112 5.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU038259.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU038259.D (-1688) (-)

12000

10000

8000

6000

4000

2000

0

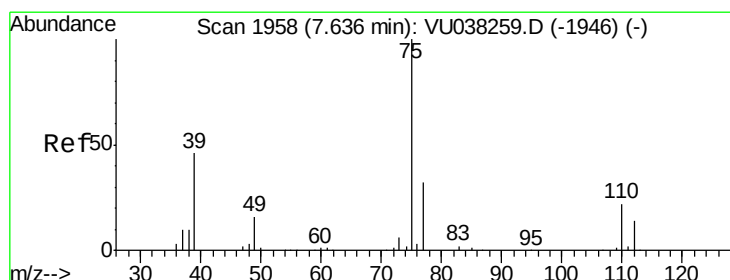
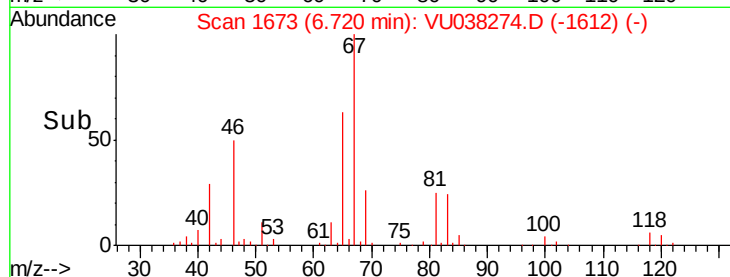
6.65

6.70

6.75

6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU038274.D

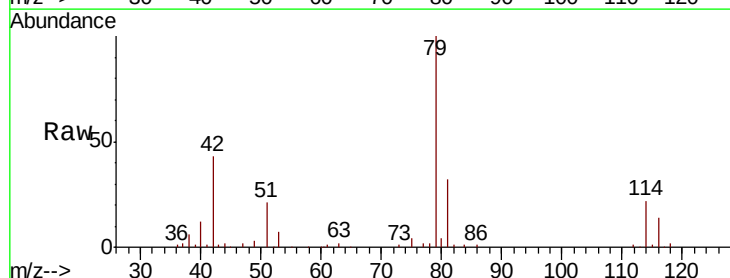
Acq: 21 May 2020 19:21

Tgt Ion: 75 Resp: 4598

Ion Ratio Lower Upper

75 100

77 56.8 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU038259.D (-1946) (-)

Ion 77.05 (76.75 to 77.75): VU038259.D (-1946) (-)

3000

2500

2000

1500

1000

500

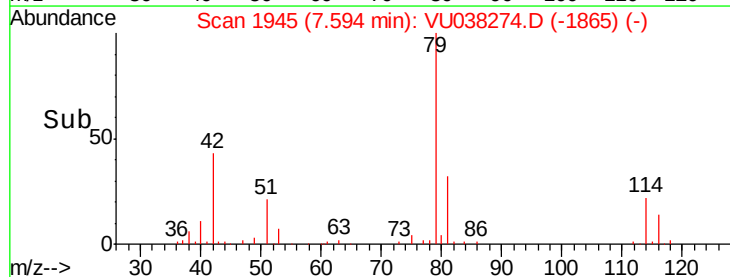
0

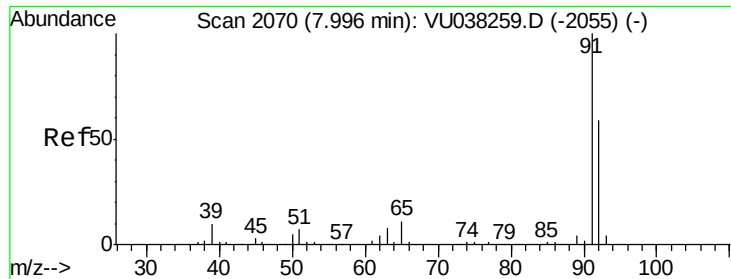
7.55

7.60

7.65

Time-->





#42

Toluene

Concen: 0.138 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Instrument :

MSVOA_U

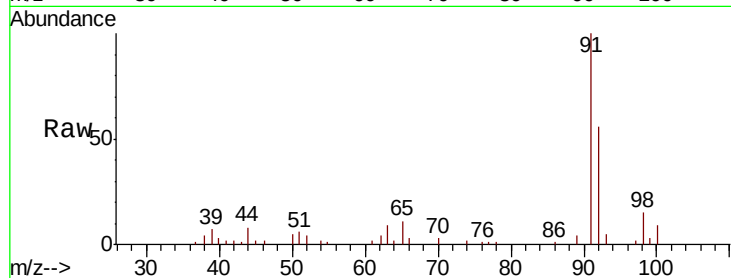
ClientSampled :

Tot Ion: 91 Resp: 23288

Ion Ratio Lower Upper

91 100

92 55.8 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038259.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038259.D (-2055) (-)

8.00

15000

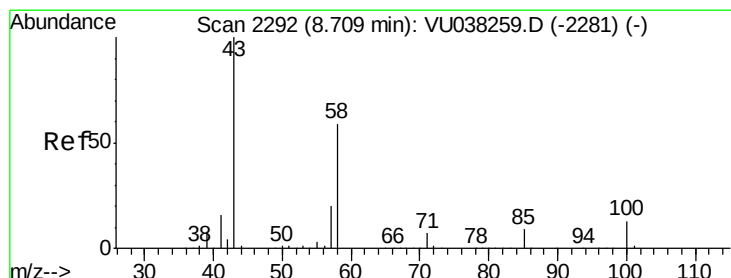
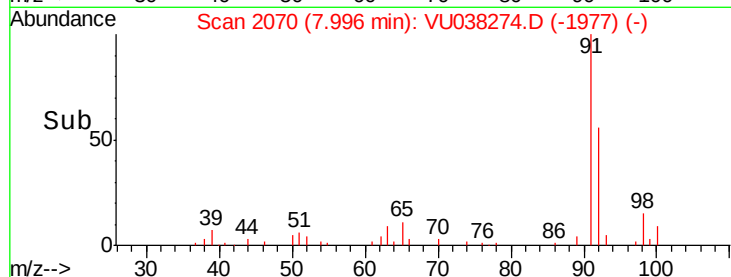
10000

5000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#48

2-Hexanone

Concen: 1.492 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Tgt Ion: 43 Resp: 32789

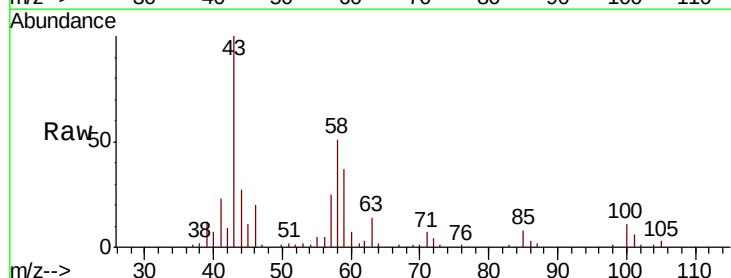
Ion Ratio Lower Upper

43 100

58 50.0 45.2 67.8

57 26.7 15.5 23.3#

100 10.3 9.5 14.3



Abundance Ion 43.05 (42.75 to 43.75): VU038259.D (-2281) (-)

Ion 58.05 (57.75 to 58.75): VU038259.D (-2281) (-)

Ion 57.20 (56.90 to 57.90): VU038259.D (-2281) (-)

Ion 100.15 (99.85 to 100.85): VU038259.D (-2281) (-)

40000

30000

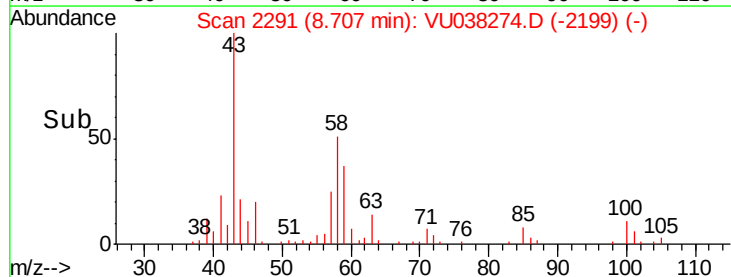
20000

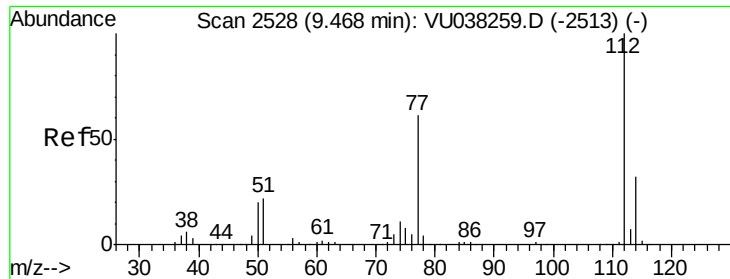
10000

0

Time-->

8.65 8.70 8.75 8.80

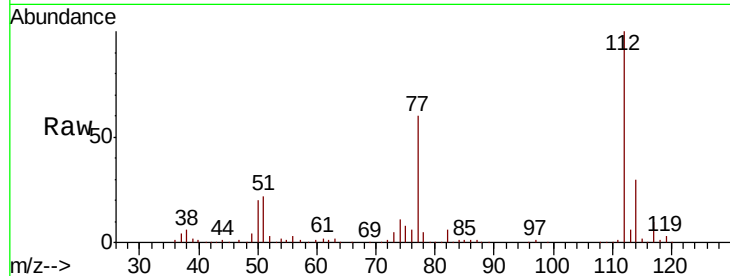




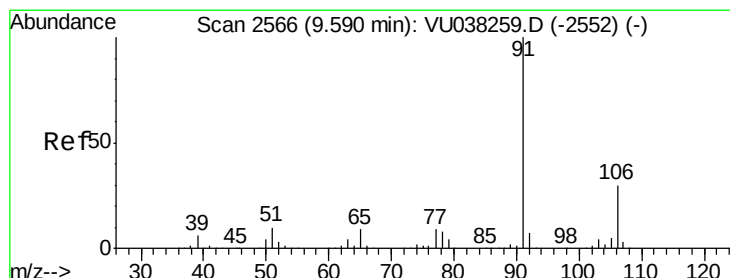
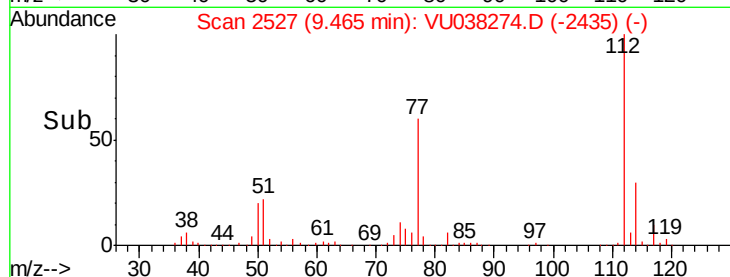
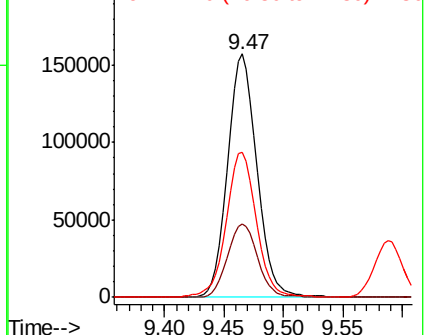
#51
Chlorobenzene
Concen: 2.571 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038274.D
Acq: 21 May 2020 19:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 268532
Ion Ratio Lower Upper
112 100
114 30.2 22.5 41.7
77 59.7 49.9 74.9

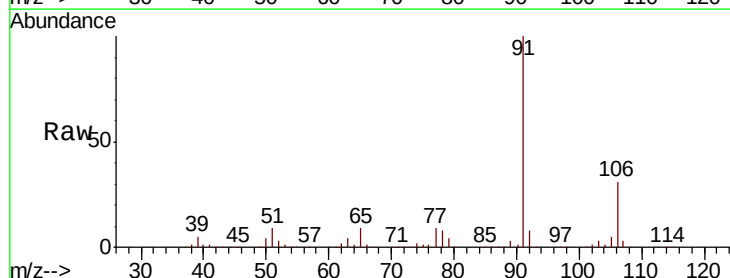


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

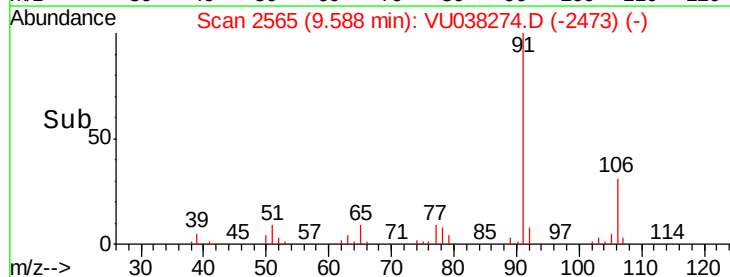
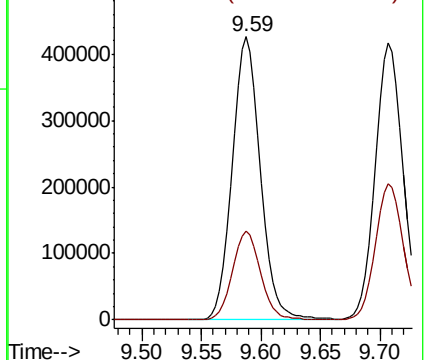


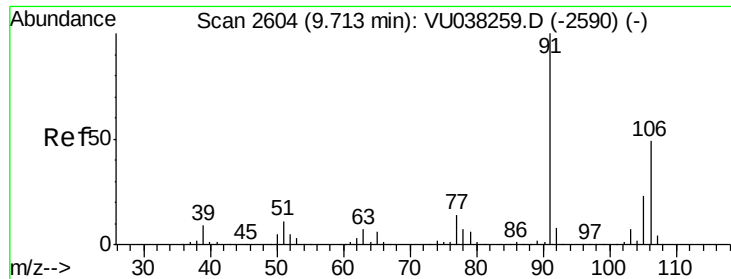
#52
Ethylbenzene
Concen: 3.835 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038274.D
Acq: 21 May 2020 19:21

Tgt Ion: 91 Resp: 699122
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.4



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

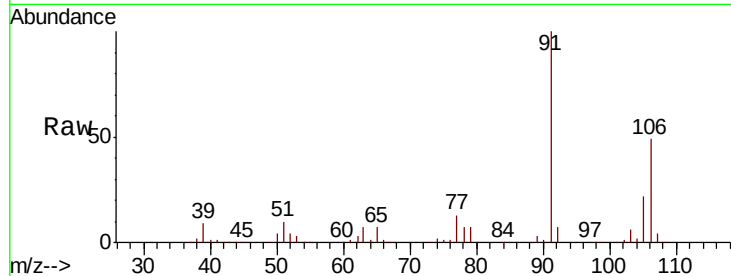




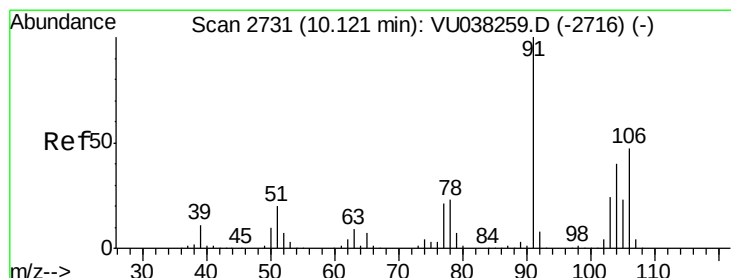
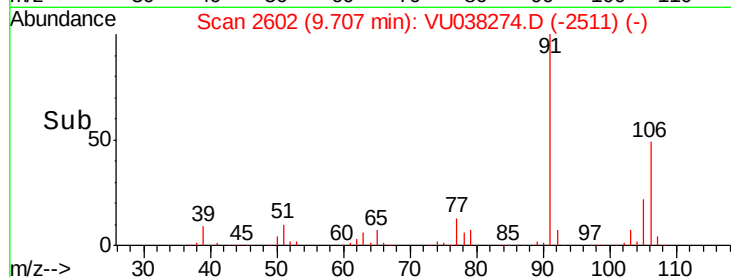
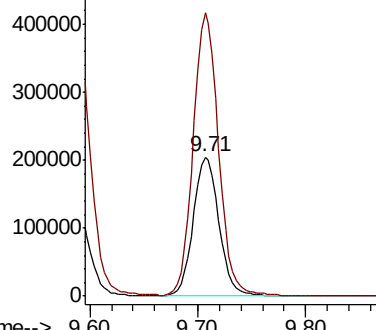
#53
m,p-Xylene
Concen: 4.867 ug/L
RT: 9.71 min Scan# 2602
Delta R.T. -0.01 min
Lab File: VU038274.D
Acq: 21 May 2020 19:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 340216
Ion Ratio Lower Upper
106 100
91 203.6 142.1 263.9

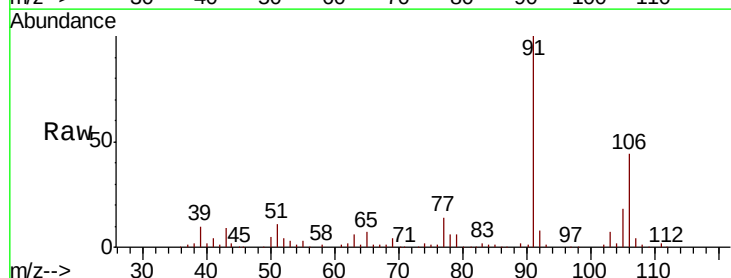


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

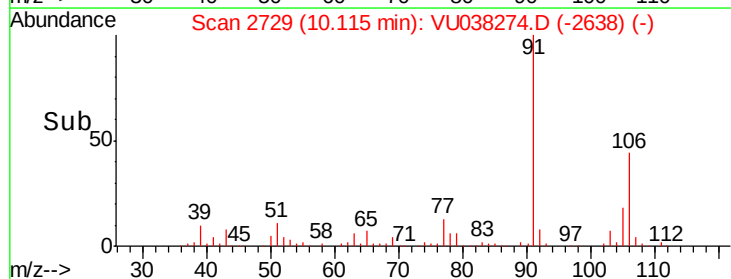
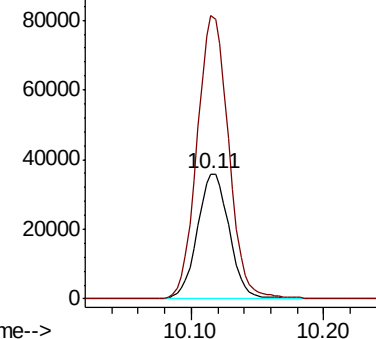


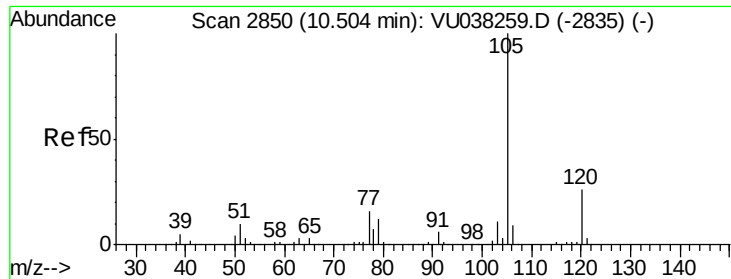
#54
o-Xylene
Concen: 0.887 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.01 min
Lab File: VU038274.D
Acq: 21 May 2020 19:21

Tgt Ion:106 Resp: 59941
Ion Ratio Lower Upper
106 100
91 226.0 148.5 275.9



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





#56

Isopropylbenzene

Concen: 1.605 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Instrument :

MSVOA_U

ClientSampled :

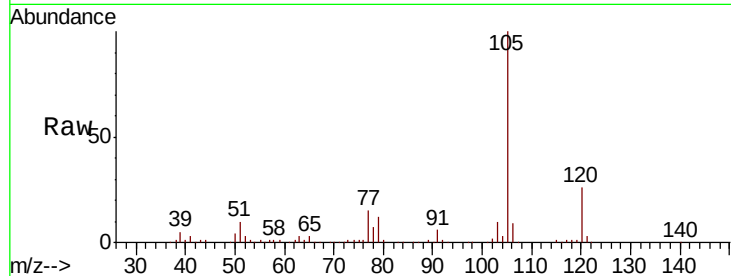
Tot Ion:105 Resp: 278663

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

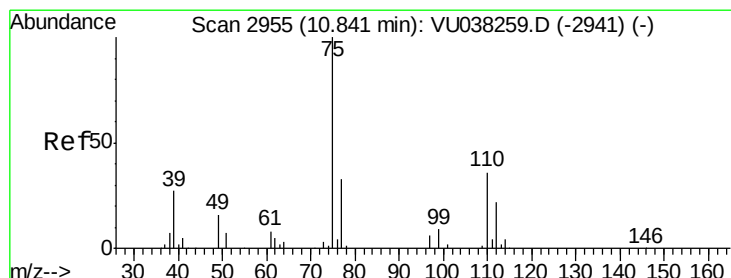
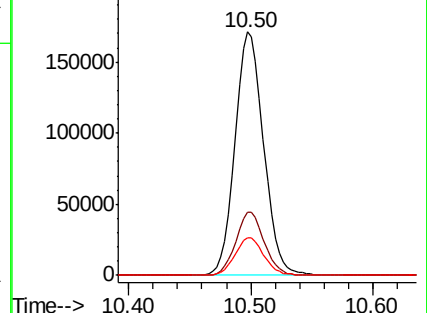
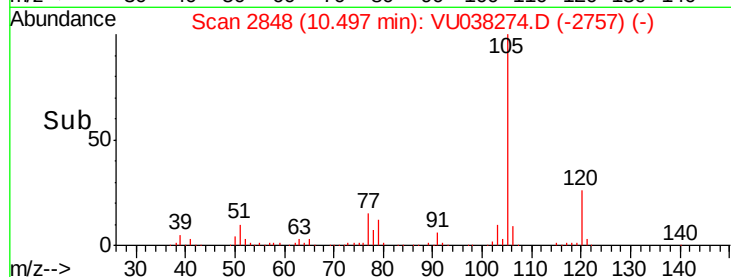
77 15.7 13.0 19.4



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): VU



#59

1,2,3-Trichloropropane

Concen: 1.445 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038274.D

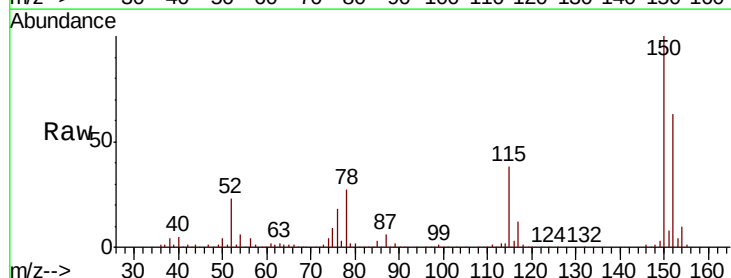
Acq: 21 May 2020 19:21

Tgt Ion: 75 Resp: 42013

Ion Ratio Lower Upper

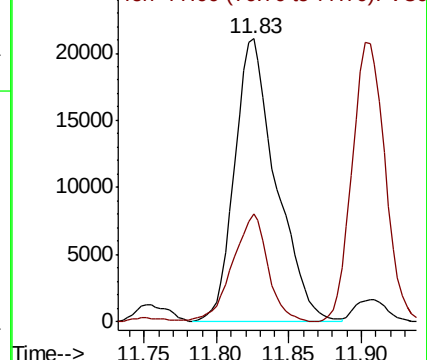
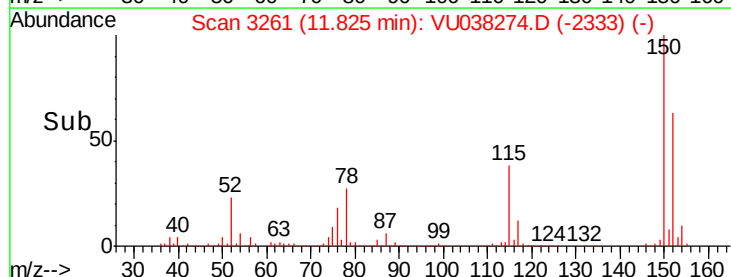
75 100

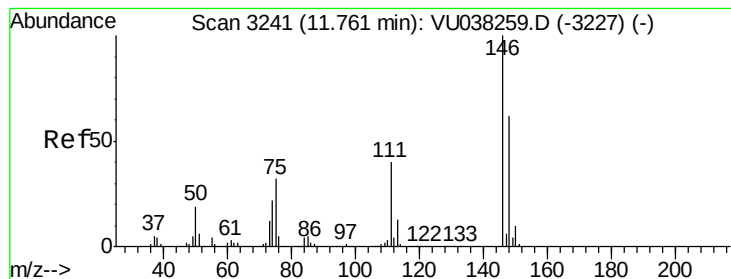
77 32.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#62

1,3-Dichlorobenzene

Concen: 0.084 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Instrument :

MSVOA_U

ClientSampled :

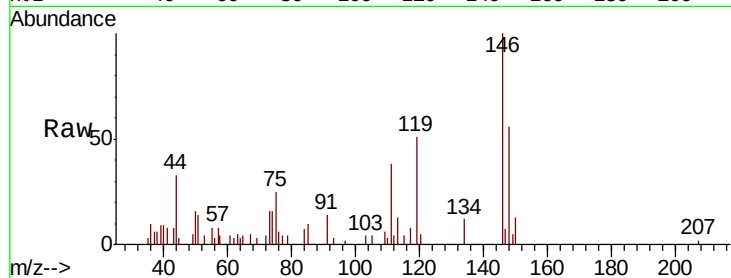
Tot Ion:146 Resp: 6723

Ion Ratio Lower Upper

146 100

111 38.4 28.6 53.2

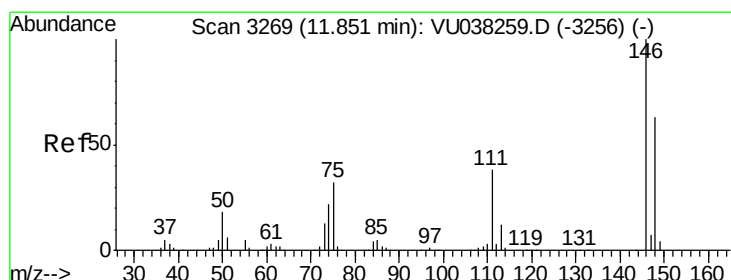
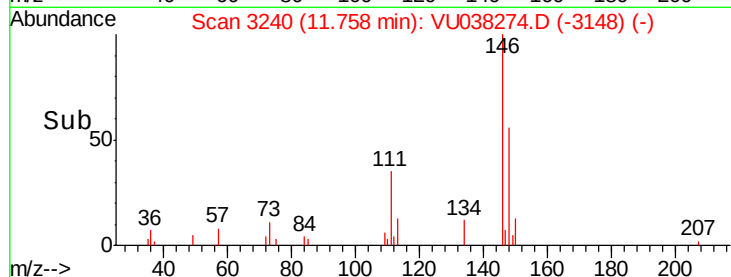
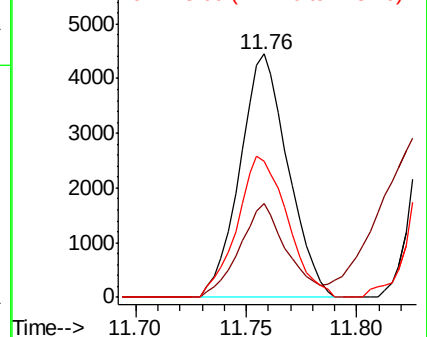
148 56.1 45.2 84.0



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: 0.359 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

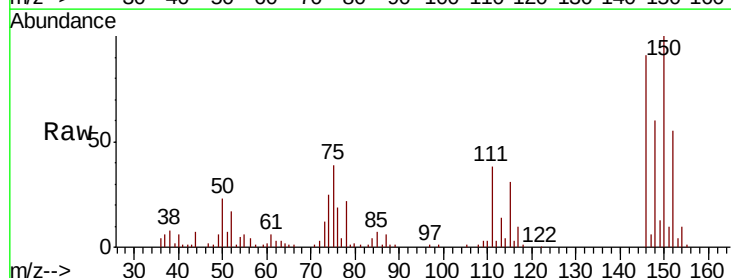
Tgt Ion:146 Resp: 29291

Ion Ratio Lower Upper

146 100

111 41.9 27.2 50.6

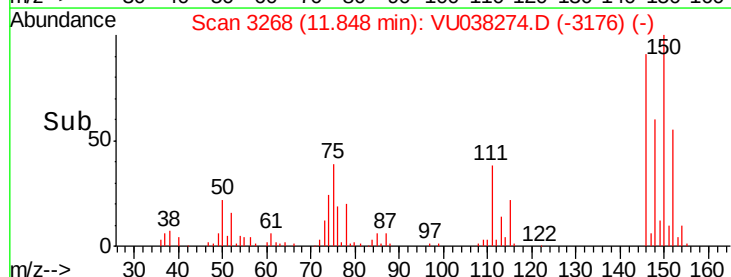
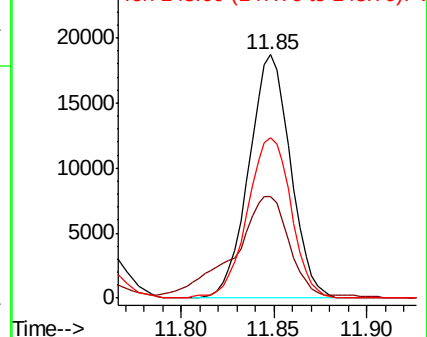
148 65.7 43.8 81.3

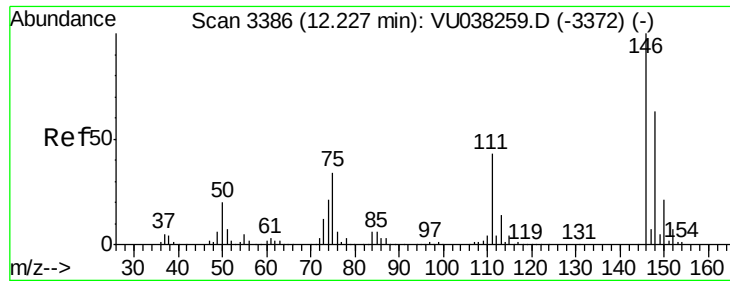


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.246 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

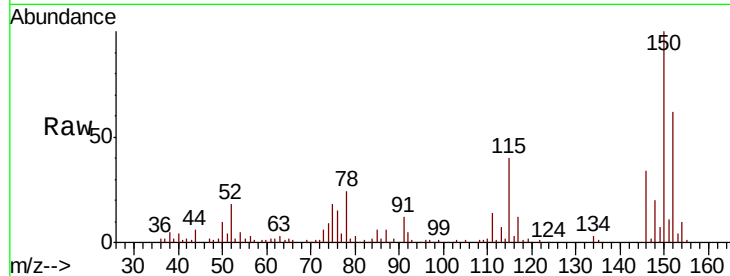
Tot Ion:146 Resp: 19042

Ion Ratio Lower Upper

146 100

111 42.4 35.3 52.9

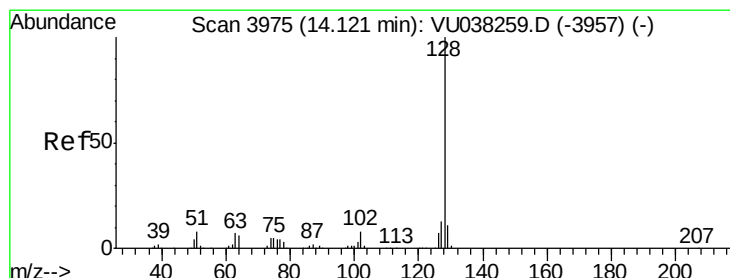
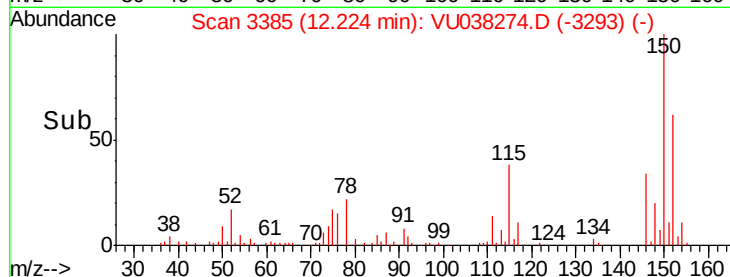
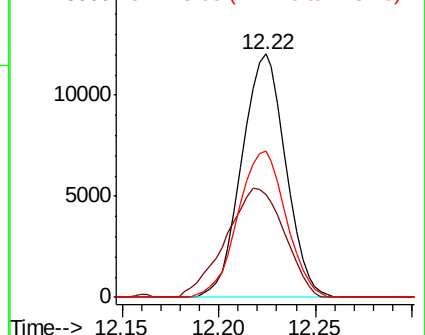
148 59.9 51.0 76.4



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



#69

Naphthalene

Concen: 14.484 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VU038274.D

Acq: 21 May 2020 19:21

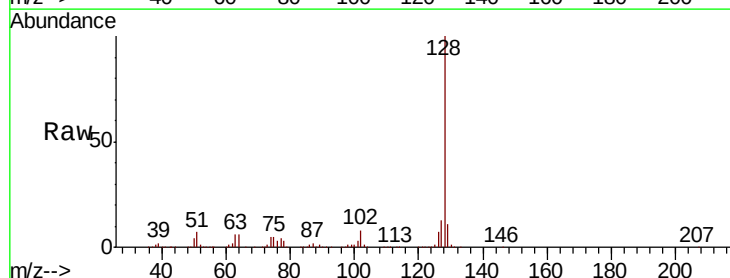
Tgt Ion:128 Resp: 1613975

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

