

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038387.D
 Acq On : 29 May 2020 19:38
 Operator : JC/MD
 Sample : L2749-15 100X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:06:06 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	299601	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	288138	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	142949	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	93674	3.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.40%
7) Chloroethane-d5	1.93	69	84759	3.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.60%
11) 1,1-Dichloroethene-d2	2.59	63	144374	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.67	46	348443	51.53	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.06%
24) Chloroform-d	5.10	84	200723	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.74	65	118672	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.76	84	415770	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.72	67	129247	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.92	98	358921	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.20	79	51479	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.65	63	281190	53.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.68%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	104861	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	146706	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

					Ovalue
8) Chloroethane	1.95	64	2587	0.130 ug/L #	76
16) Methylene chloride	3.07	84	2464	0.102 ug/L	83
27) 1,2-Dichloroethane	5.81	62	8308	0.285 ug/L #	73
33) Benzene	5.81	78	904529	9.803 ug/L	100
37) 1,2-Dichloropropane	6.72	63	14281	0.570 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3009	0.084 ug/L #	51
42) Toluene	7.99	91	1339669	13.754 ug/L	98
48) 2-Hexanone	8.71	43	12465	0.980 ug/L	94
51) Chlorobenzene	9.47	112	225830	3.736 ug/L	97
52) Ethylbenzene	9.59	91	115863	1.098 ug/L	99
53) m,p-Xylene	9.71	106	125730	3.108 ug/L	100
54) o-Xylene	10.11	106	51559	1.318 ug/L	99
56) Isopropylbenzene	10.50	105	57869	0.576 ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	20961	1.246 ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	7452	0.158 ug/L	89
65) 1,2-Dichlorobenzene	12.22	146	4246	0.095 ug/L	92

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Response via : Initial Calibration

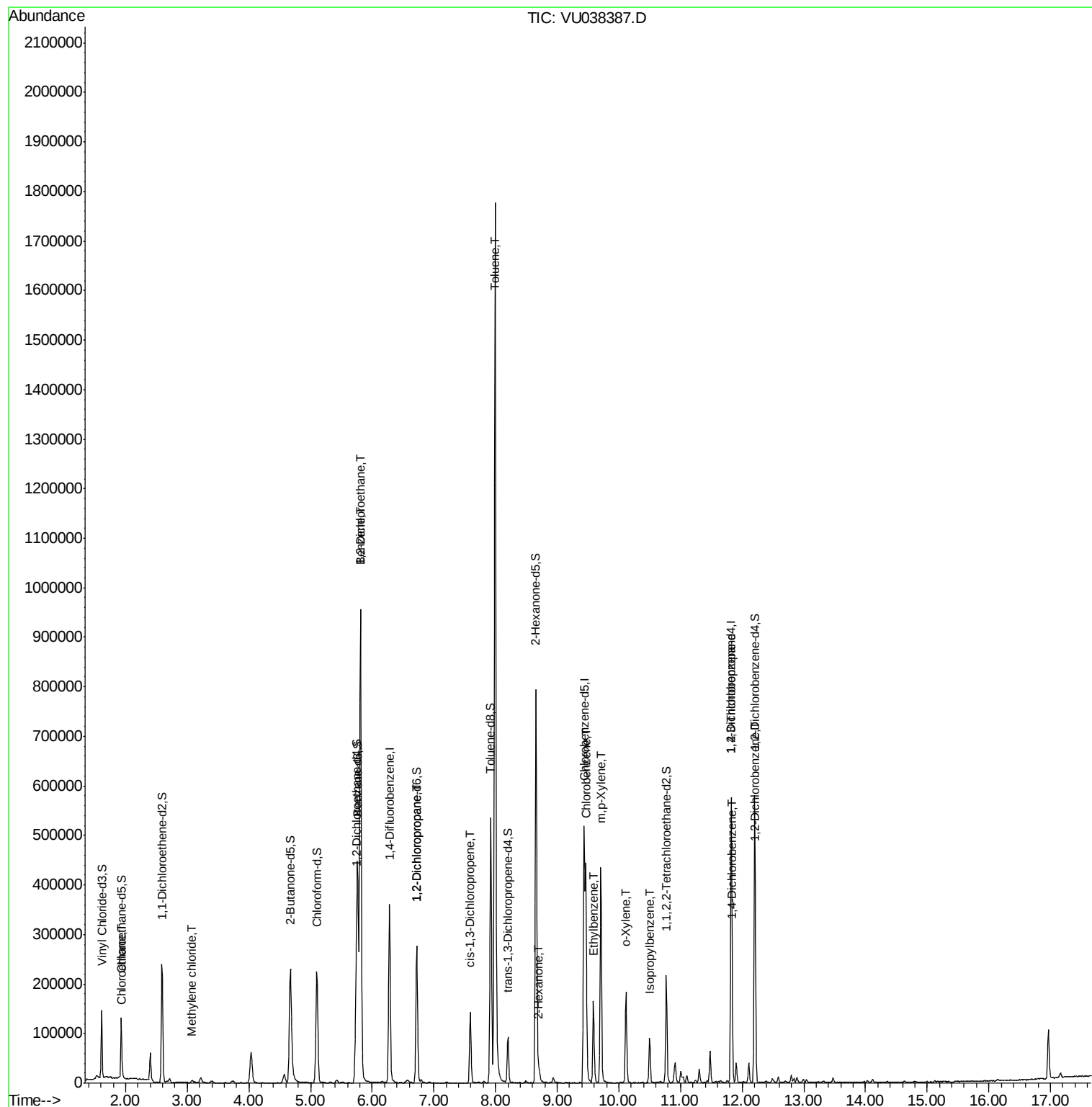
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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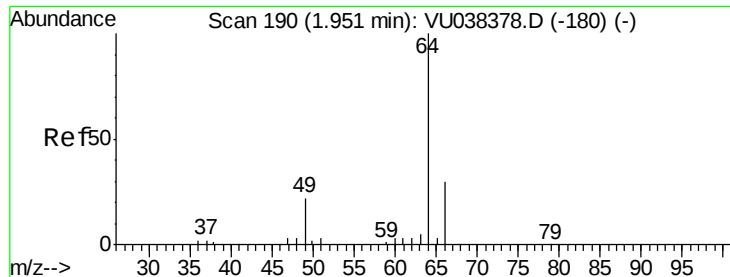
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.130 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038387.D

Acq: 29 May 2020 19:38

Instrument :

MSVOA_U

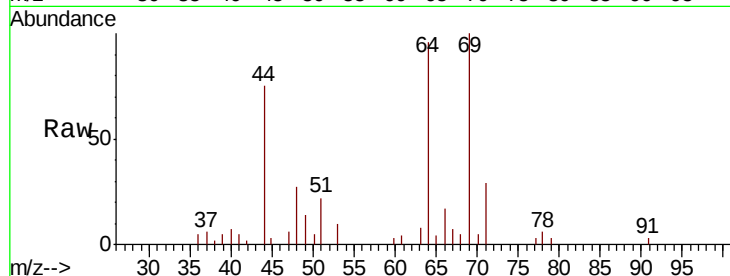
ClientSampled :

Tot Ion: 64 Resp: 2587

Ion Ratio Lower Upper

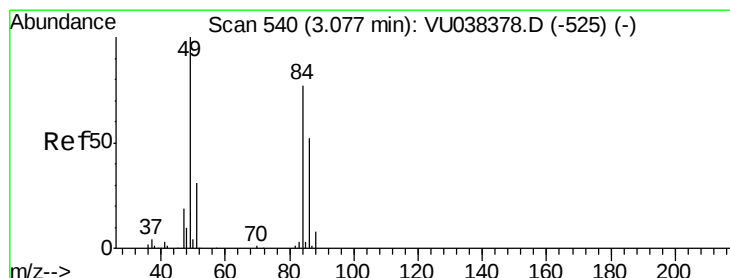
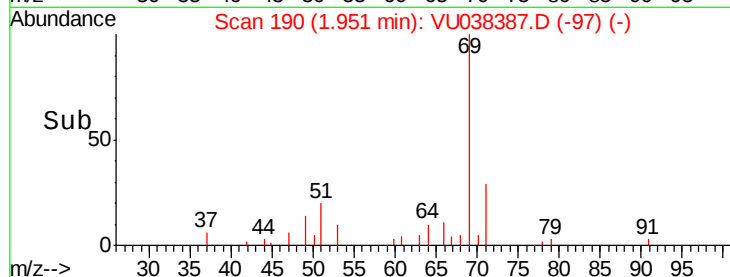
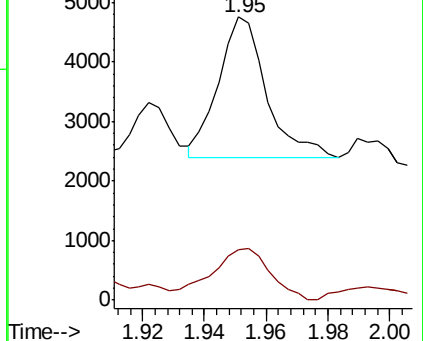
64 100

66 18.0 21.8 40.4#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#16

Methylene chloride

Concen: 0.102 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU038387.D

Acq: 29 May 2020 19:38

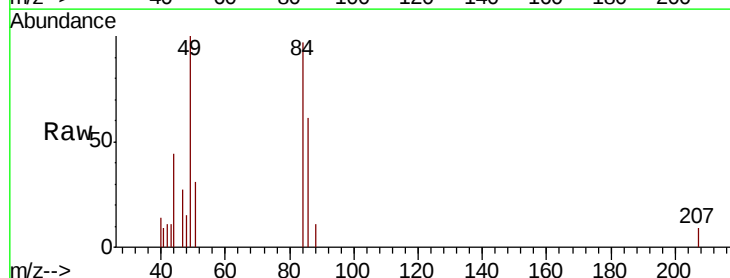
Tgt Ion: 84 Resp: 2464

Ion Ratio Lower Upper

84 100

86 62.6 44.9 83.3

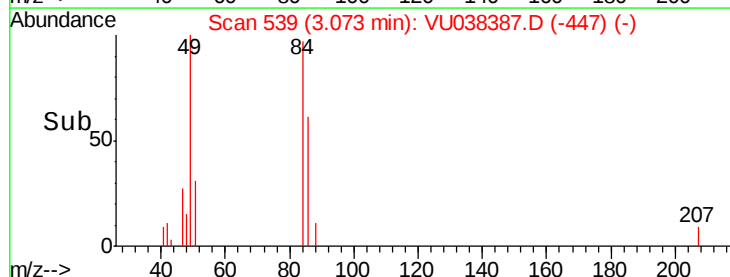
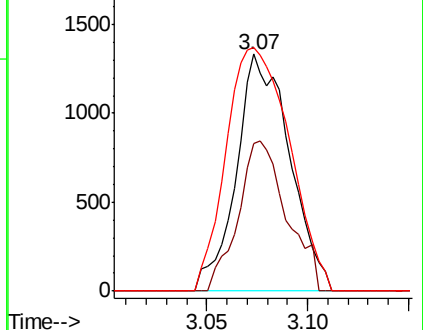
49 102.8 92.0 170.9

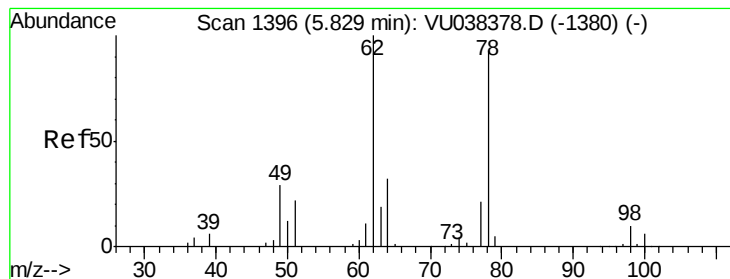


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#27

1,2-Dichloroethane

Concen: 0.285 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VU038387.D

Acq: 29 May 2020 19:38

Instrument :

MSVOA_U

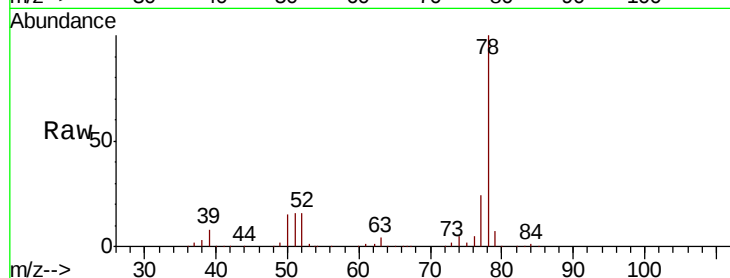
ClientSampleId :

Tot Ion: 62 Resp: 8308

Ion Ratio Lower Upper

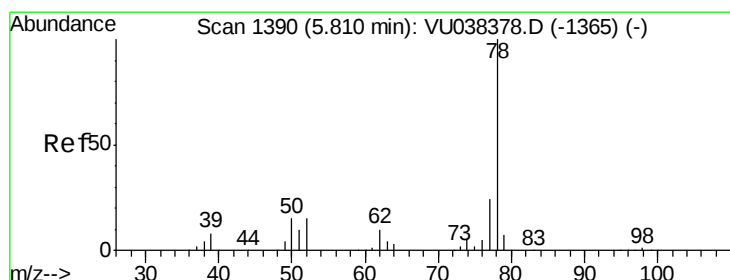
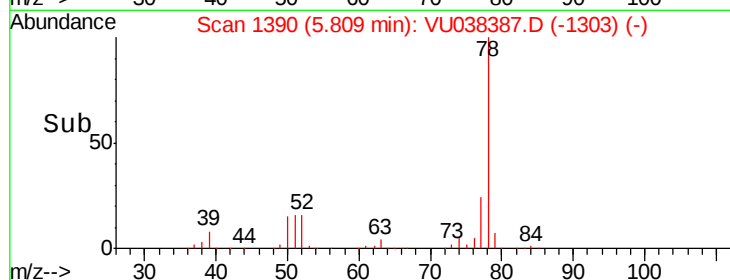
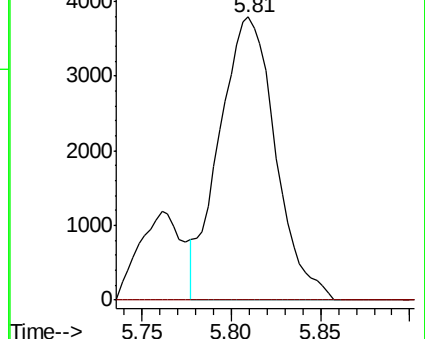
62 100

98 0.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#33

Benzene

Concen: 9.803 ug/L

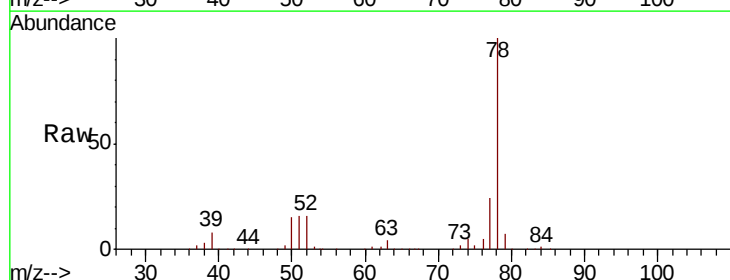
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038387.D

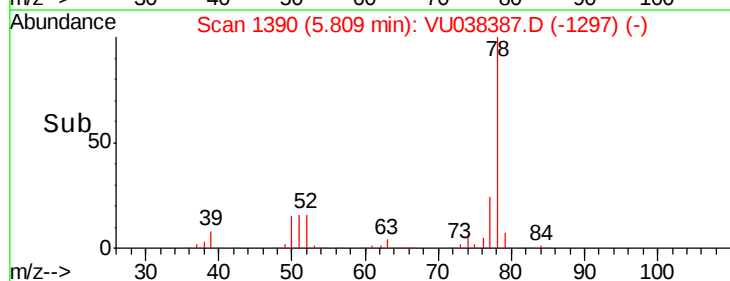
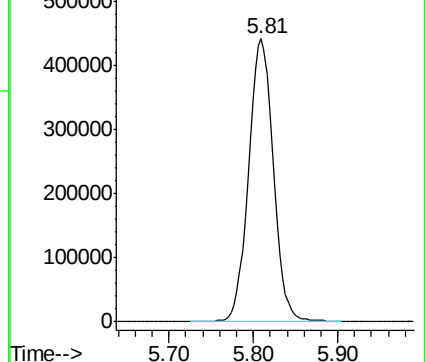
Acq: 29 May 2020 19:38

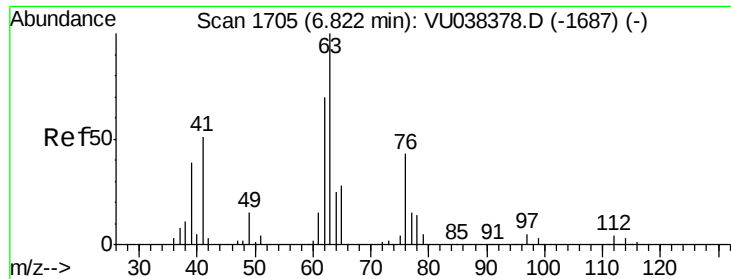
Tgt Ion: 78 Resp: 904529



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 78.10 (77.80 to 78.80): VU0

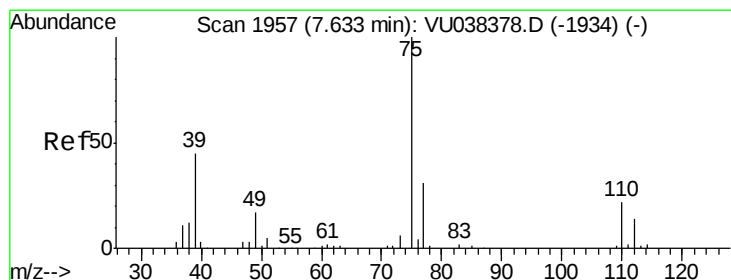
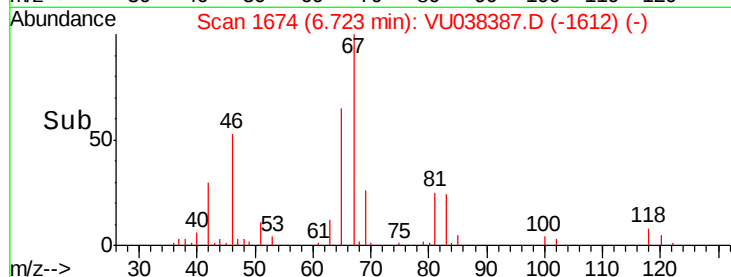
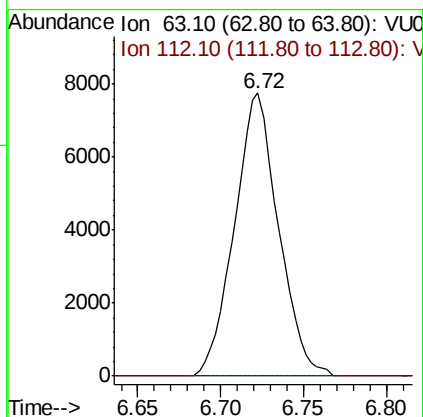
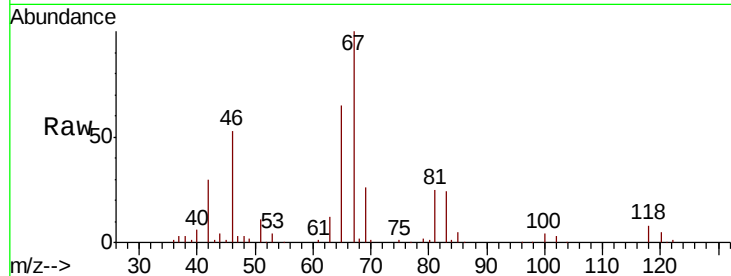




#37
 1,2-Dichloropropane
 Concen: 0.570 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038387.D
 Acq: 29 May 2020 19:38

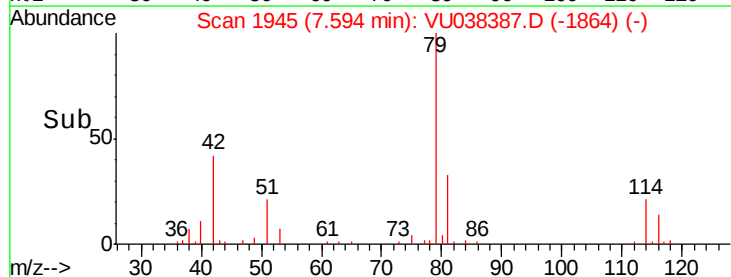
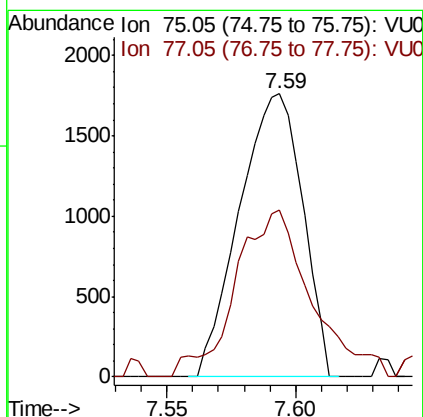
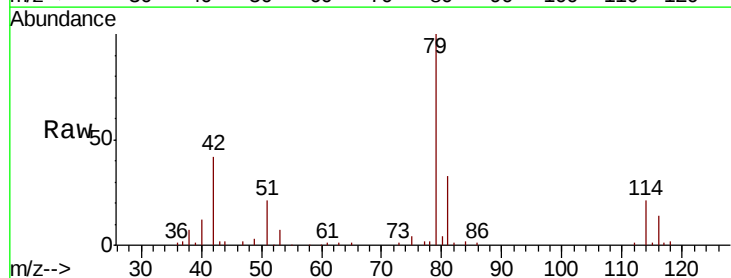
Instrument :
 MSVOA_U
 ClientSampled :

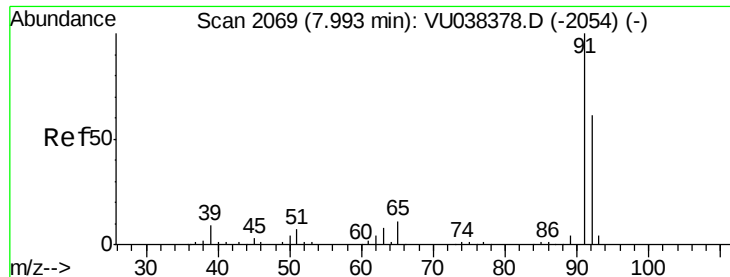
Tot Ion: 63 Resp: 14281
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038387.D
 Acq: 29 May 2020 19:38

Tgt Ion: 75 Resp: 3009
 Ion Ratio Lower Upper
 75 100
 77 59.1 22.4 41.6#





#42

Toluene

Concen: 13.754 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038387.D

Acq: 29 May 2020 19:38

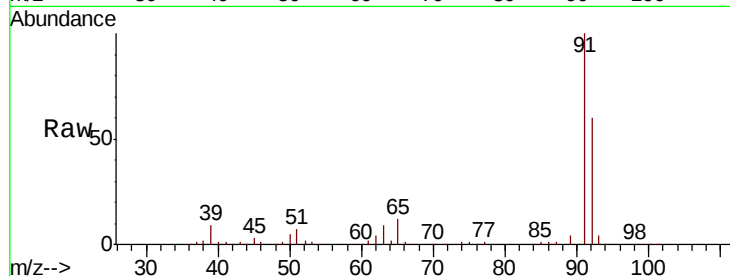
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1339669

Ion Ratio Lower Upper

91 100

92 60.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038378.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038378.D (-2054) (-)

7.99

800000

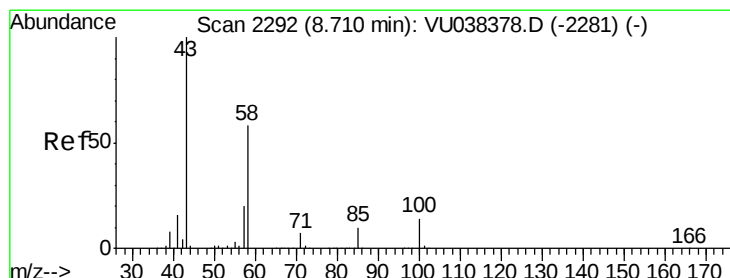
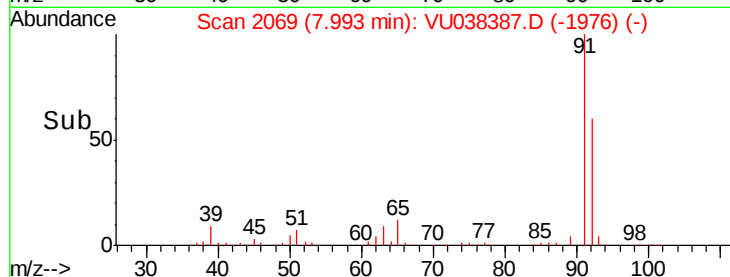
600000

400000

200000

0

Time-->



#48

2-Hexanone

Concen: 0.980 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038387.D

Acq: 29 May 2020 19:38

Tgt Ion: 43 Resp: 12465

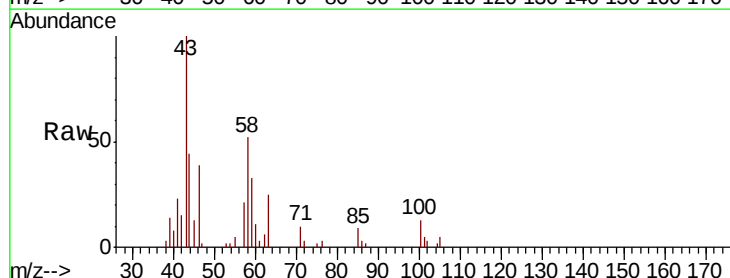
Ion Ratio Lower Upper

43 100

58 51.8 45.2 67.8

57 21.9 15.5 23.3

100 12.6 9.5 14.3



Abundance Ion 43.05 (42.75 to 43.75): VU038378.D (-2281) (-)

Ion 58.05 (57.75 to 58.75): VU038378.D (-2281) (-)

Ion 57.20 (56.90 to 57.90): VU038378.D (-2281) (-)

Ion 100.15 (99.85 to 100.85): VU038378.D (-2281) (-)

8.71

30000

25000

20000

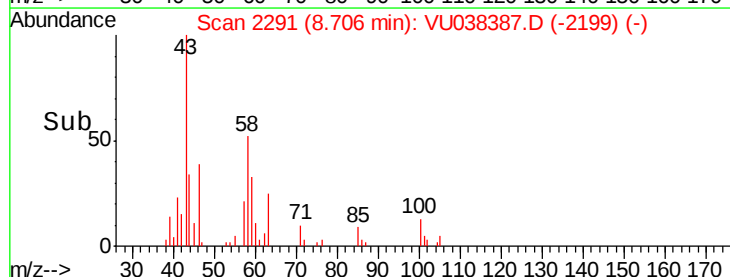
15000

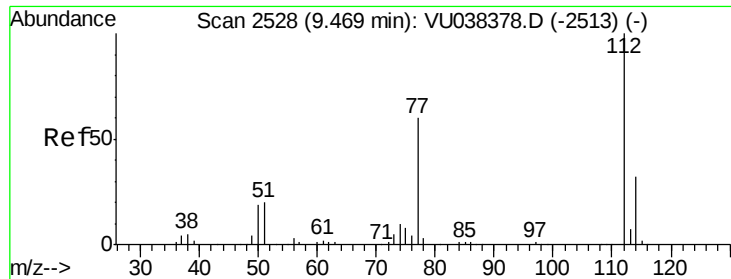
10000

5000

0

Time-->





#51

Chlorobenzene

Concen: 3.736 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038387.D

Acq: 29 May 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

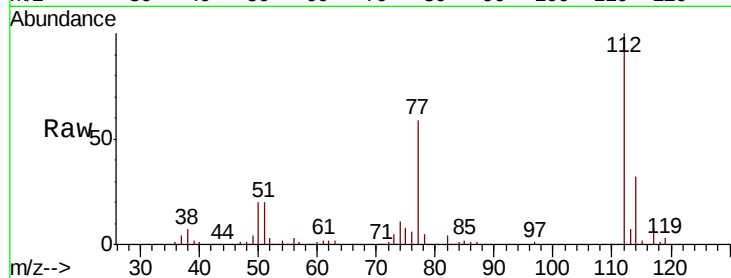
Tot Ion:112 Resp: 225830

Ion Ratio Lower Upper

112 100

114 31.6 22.5 41.7

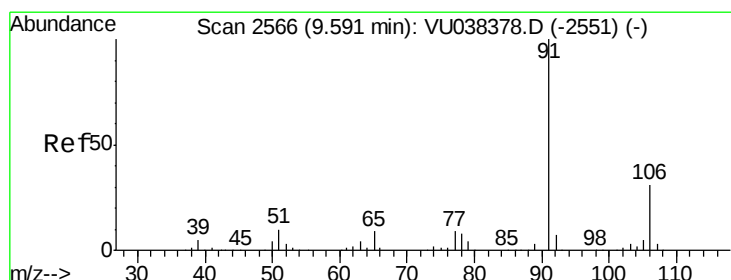
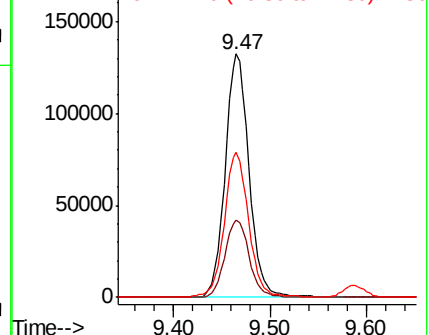
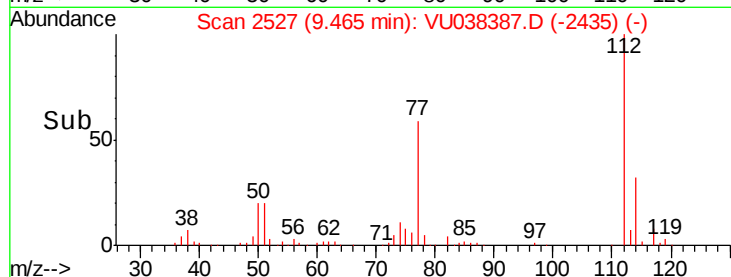
77 59.4 49.9 74.9



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): VU0



#52

Ethylbenzene

Concen: 1.098 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038387.D

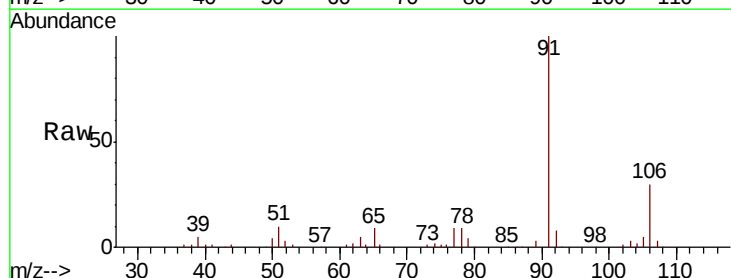
Acq: 29 May 2020 19:38

Tgt Ion: 91 Resp: 115863

Ion Ratio Lower Upper

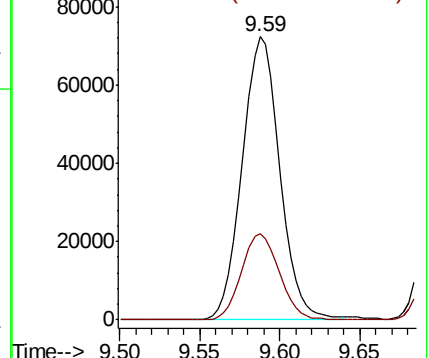
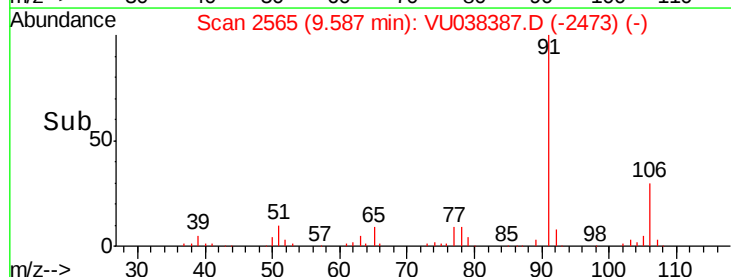
91 100

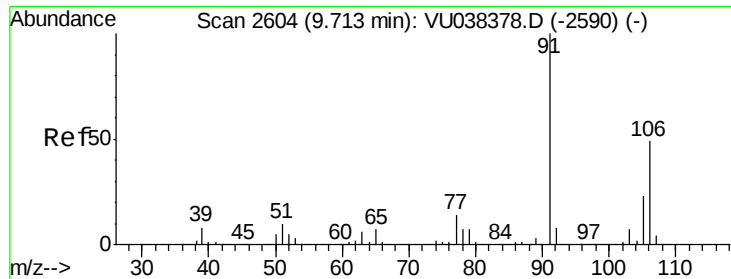
106 30.4 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 3.108 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038387.D

Acq: 29 May 2020 19:38

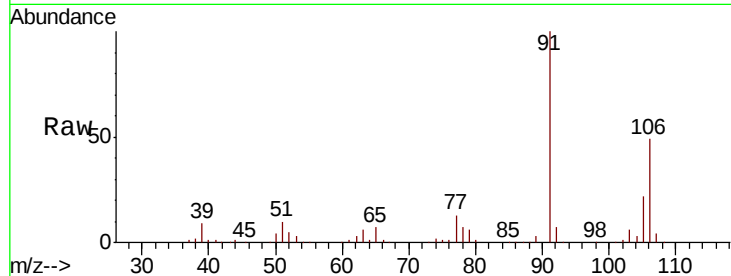
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 125730

Ion Ratio Lower Upper

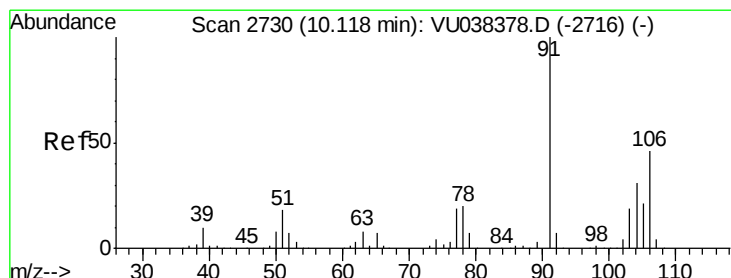
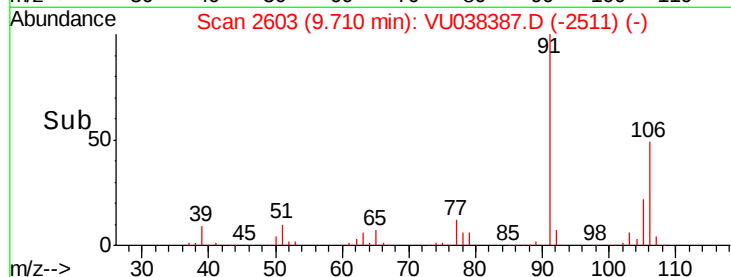
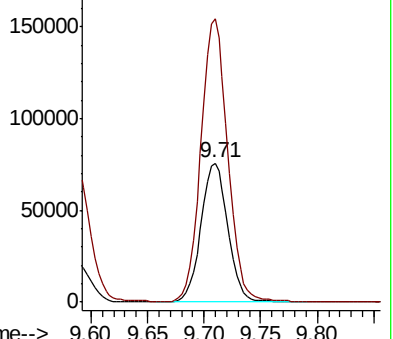
106 100

91 203.7 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 1.318 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038387.D

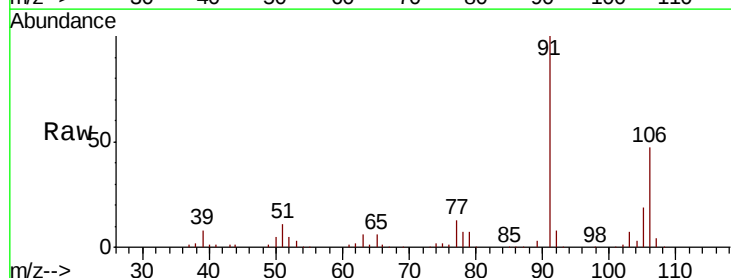
Acq: 29 May 2020 19:38

Tgt Ion:106 Resp: 51559

Ion Ratio Lower Upper

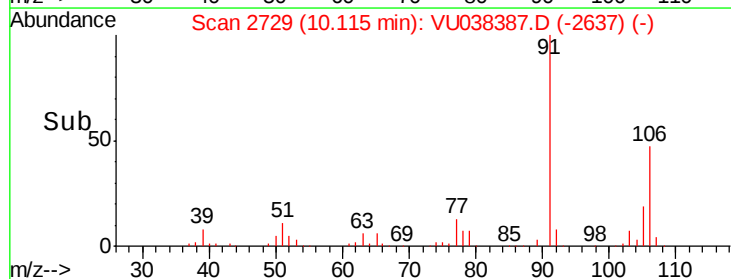
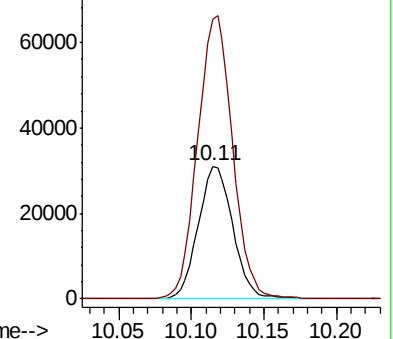
106 100

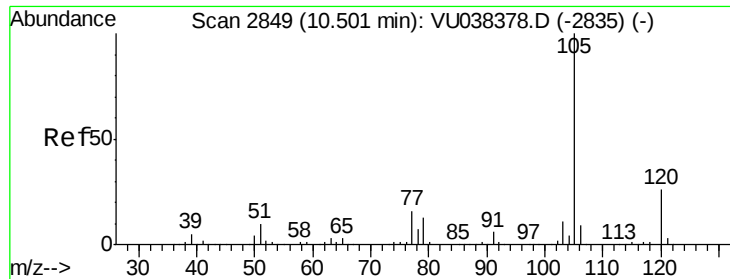
91 210.9 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.576 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038387.D

Acq: 29 May 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

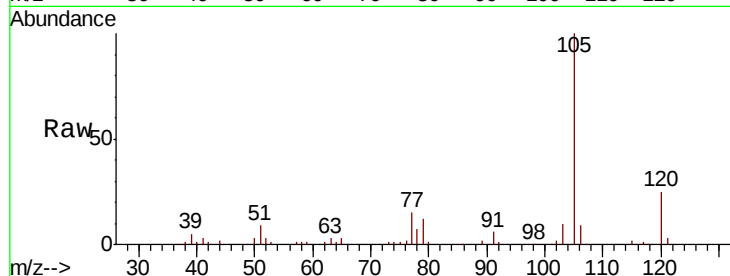
Tot Ion:105 Resp: 57869

Ion Ratio Lower Upper

105 100

120 24.8 21.0 31.6

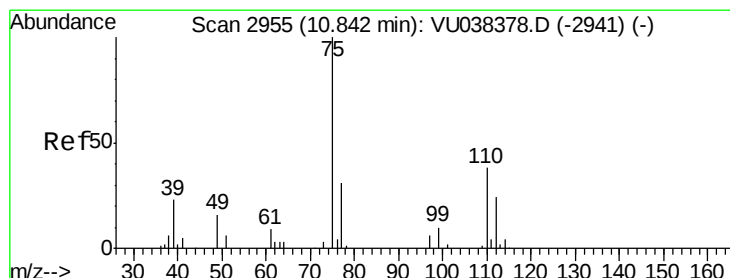
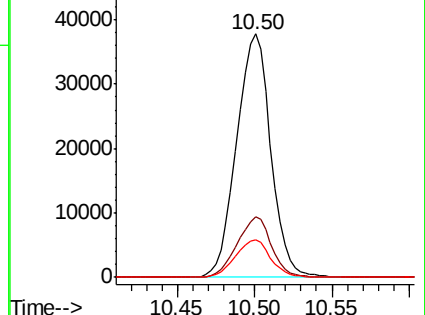
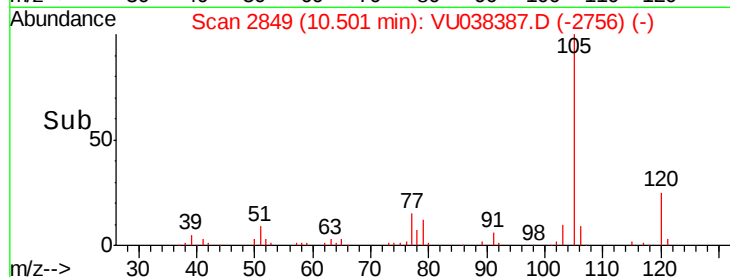
77 15.9 13.0 19.4



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: 1.246 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038387.D

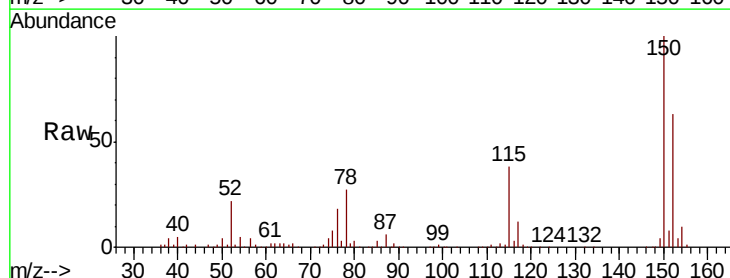
Acq: 29 May 2020 19:38

Tgt Ion: 75 Resp: 20961

Ion Ratio Lower Upper

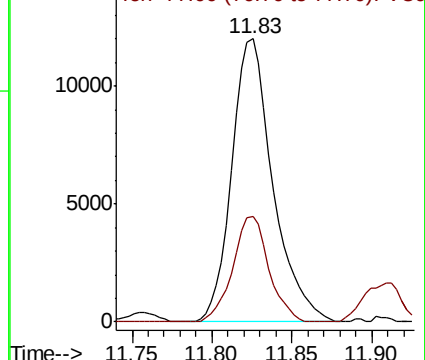
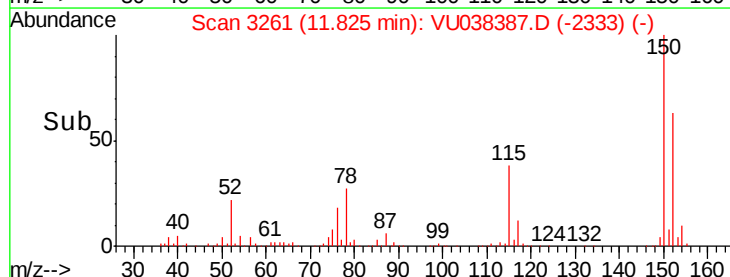
75 100

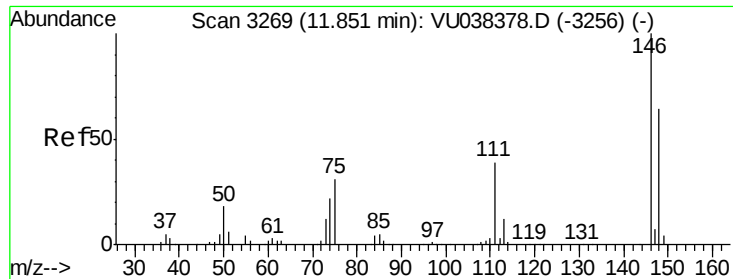
77 32.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#63

1,4-Dichlorobenzene

Concen: 0.158 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038387.D

Acq: 29 May 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

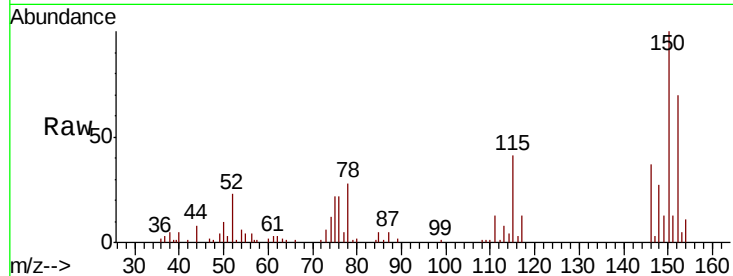
Tot Ion:146 Resp: 7452

Ion Ratio Lower Upper

146 100

111 34.5 27.2 50.6

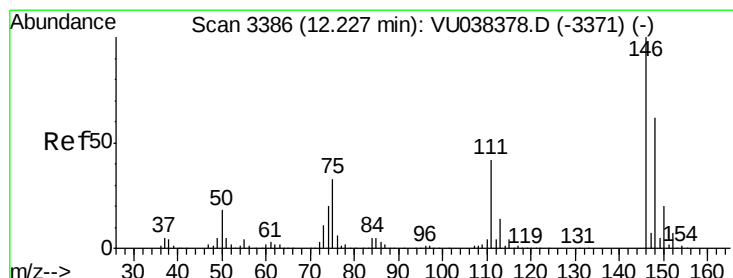
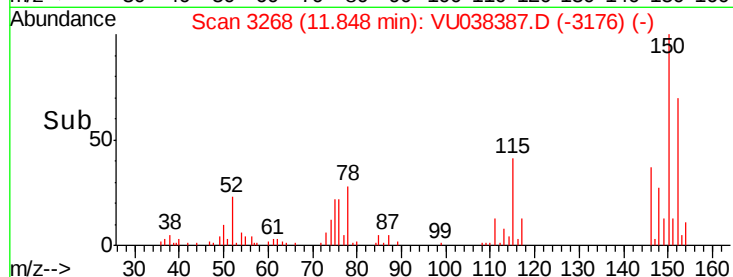
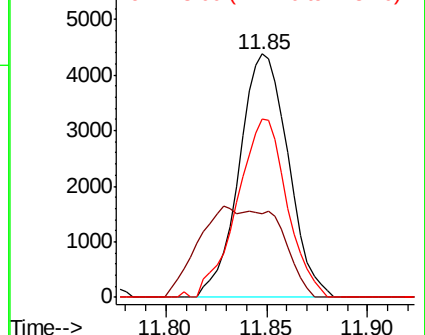
148 73.2 43.8 81.3



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: 0.095 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038387.D

Acq: 29 May 2020 19:38

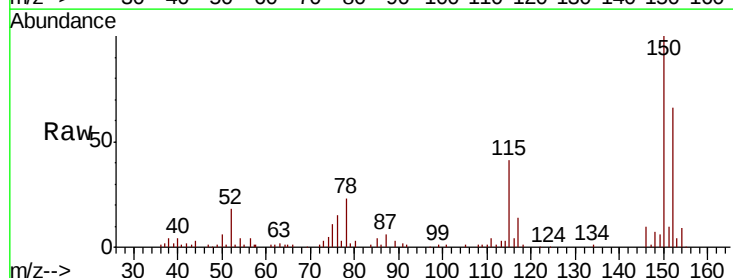
Tgt Ion:146 Resp: 4246

Ion Ratio Lower Upper

146 100

111 41.0 35.3 52.9

148 71.4 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

