

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038391.D
 Acq On : 29 May 2020 21:10
 Operator : JC/MD
 Sample : L2749-19 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:06:34 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	300396	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	288347	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	144601	5.00	ug/L	0.00

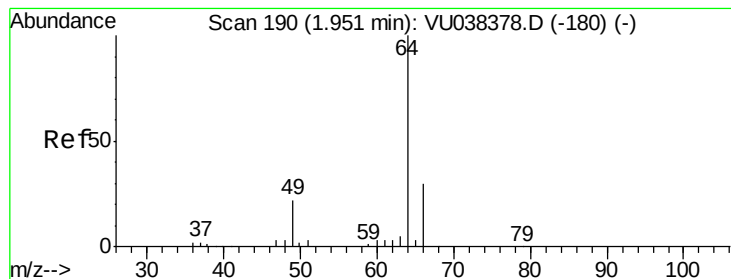
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	91360	3.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.60%
7) Chloroethane-d5	1.93	69	86160	3.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.60%
11) 1,1-Dichloroethene-d2	2.59	63	141465	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	4.67	46	358529	52.89	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.78%
24) Chloroform-d	5.10	84	200876	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.74	65	118601	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.76	84	412533	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.72	67	130399	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.92	98	354102	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	8.20	79	49543	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.65	63	290922	55.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.30%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108945	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	143220	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	6683	0.335	ug/L	93
12) 1,1-Dichloroethene	2.59	96	1303	0.063	ug/L #	1
16) Methylene chloride	3.08	84	2389	0.098	ug/L	88
33) Benzene	5.81	78	294339	3.188	ug/L	100
37) 1,2-Dichloropropane	6.72	63	14174	0.565	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3463	0.096	ug/L #	63
48) 2-Hexanone	8.71	43	12514	0.983	ug/L	95
51) Chlorobenzene	9.47	112	773171	12.781	ug/L	99
53) m,p-Xylene	9.71	106	4385	0.108	ug/L	79
54) o-Xylene	10.12	106	8822	0.225	ug/L	92
56) Isopropylbenzene	10.50	105	66732	0.664	ug/L	99
59) 1,2,3-Trichloropropane	11.83	75	21856	1.298	ug/L #	43
63) 1,4-Dichlorobenzene	11.85	146	10098	0.212	ug/L	96
65) 1,2-Dichlorobenzene	12.22	146	4075	0.090	ug/L #	79

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



#8

Chloroethane

Concen: 0.335 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038391.D

Acq: 29 May 2020 21:10

Instrument :

MSVOA_U

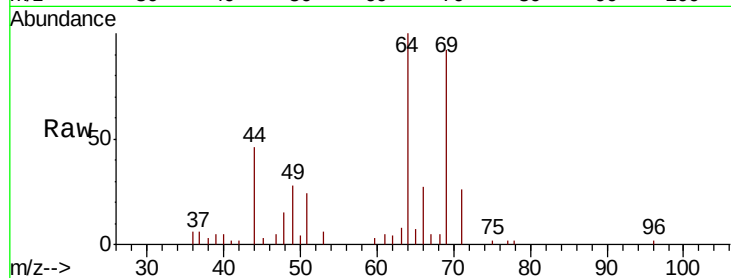
ClientSampleId :

Tot Ion: 64 Resp: 6683

Ion Ratio Lower Upper

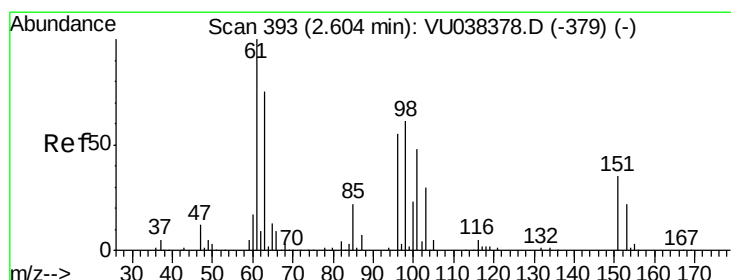
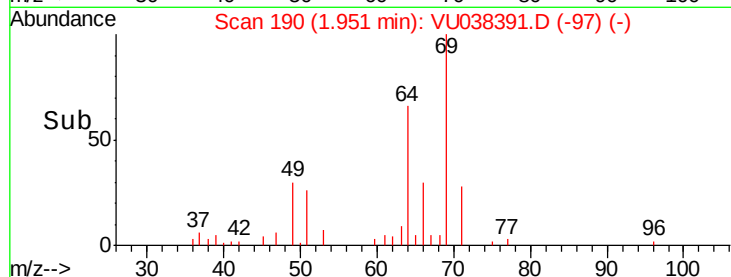
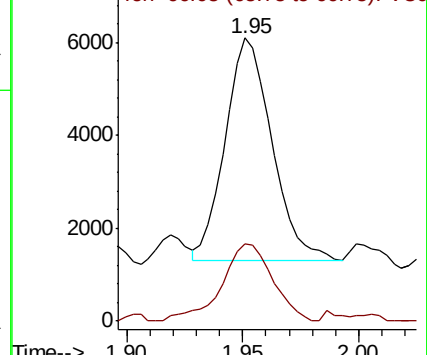
64 100

66 27.3 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#12

1,1-Dichloroethene

Concen: 0.063 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038391.D

Acq: 29 May 2020 21:10

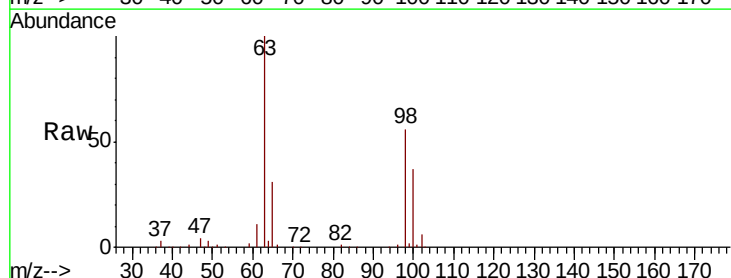
Tgt Ion: 96 Resp: 1303

Ion Ratio Lower Upper

96 100

61 1364.7 126.2 234.4#

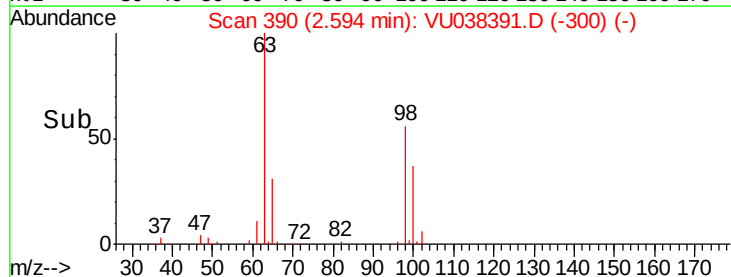
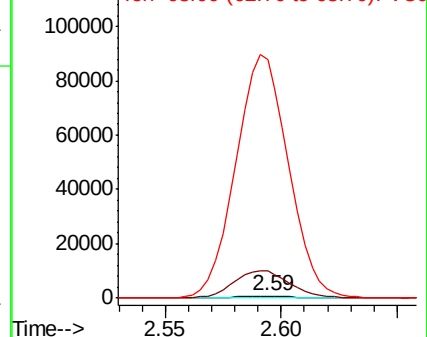
63 12060.6 96.9 179.9#

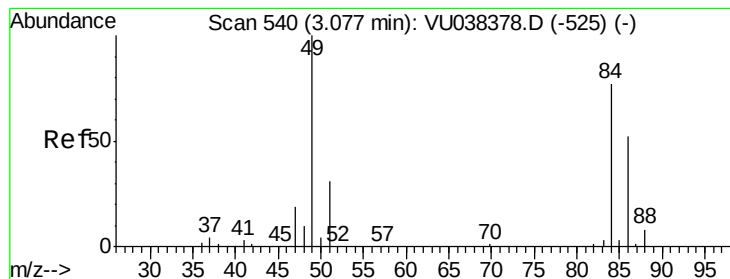


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methvlene chloride

Concen: 0.098 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038391.D

Acq: 29 May 2020 21:10

Instrument :

MSVOA_U

ClientSampleId :

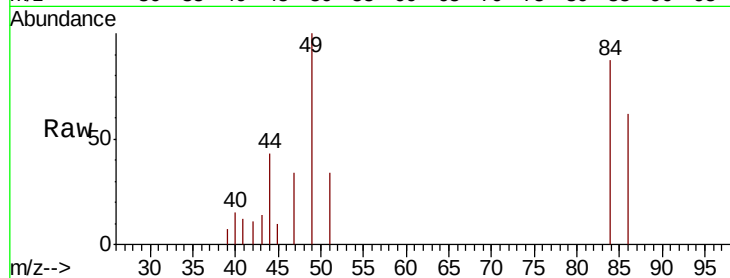
Tot Ion: 84 Resp: 2389

Ion Ratio Lower Upper

84 100

86 71.1 44.9 83.3

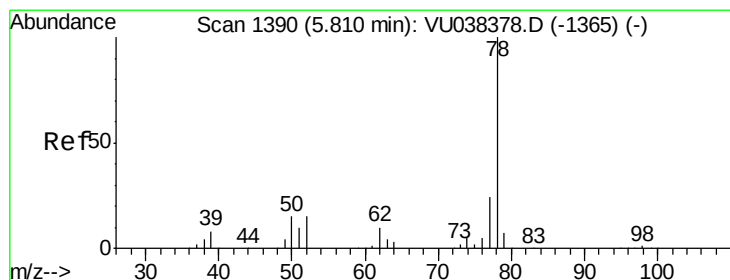
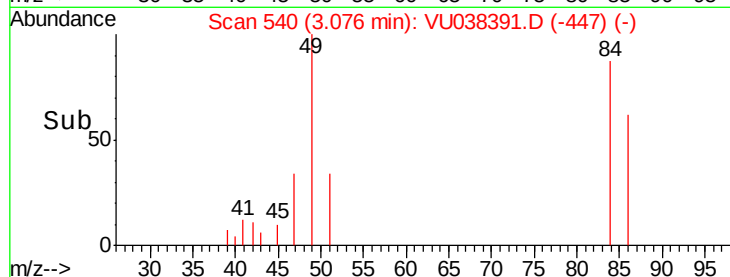
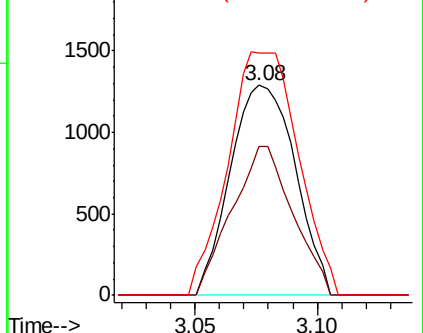
49 115.4 92.0 170.9



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



#33

Benzene

Concen: 3.188 ug/L

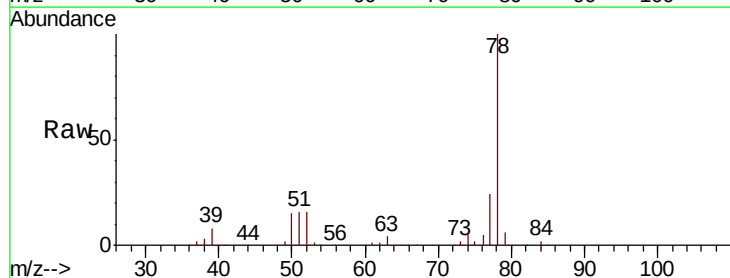
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

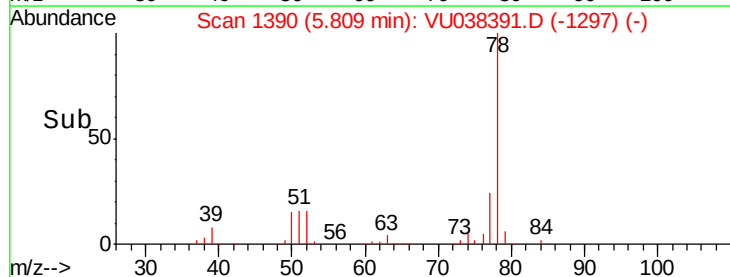
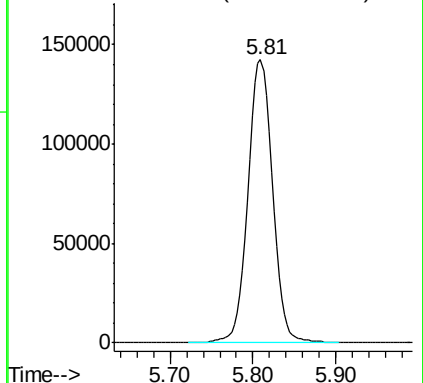
Lab File: VU038391.D

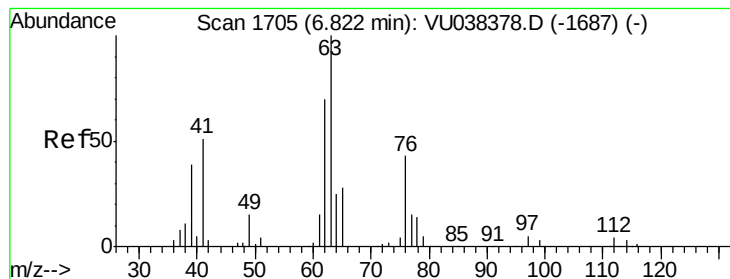
Acq: 29 May 2020 21:10

Tgt Ion: 78 Resp: 294339



Abundance Ion 78.10 (77.80 to 78.80): VU0





#37

1,2-Dichloropropane

Concen: 0.565 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038391.D

Acq: 29 May 2020 21:10

Instrument :

MSVOA_U

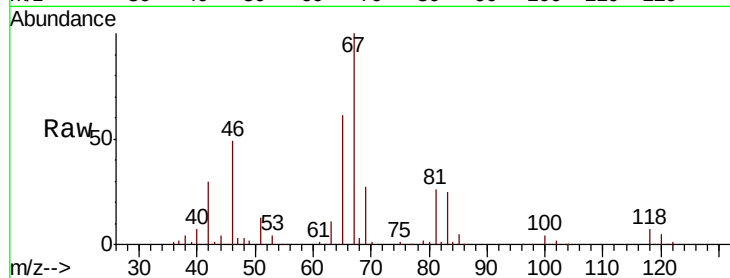
ClientSampleId :

Tot Ion: 63 Resp: 14174

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU038391.D (-1674) (-)

Ion 112.10 (111.80 to 112.80): VU038391.D (-1674) (-)

6.72

8000

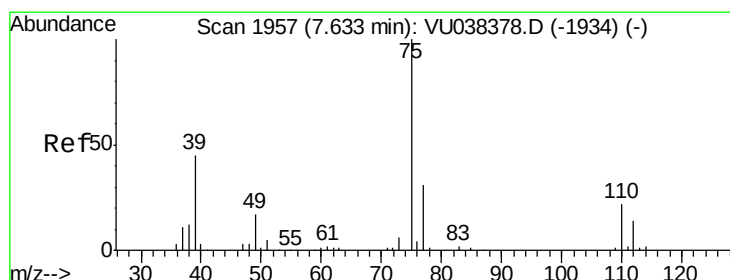
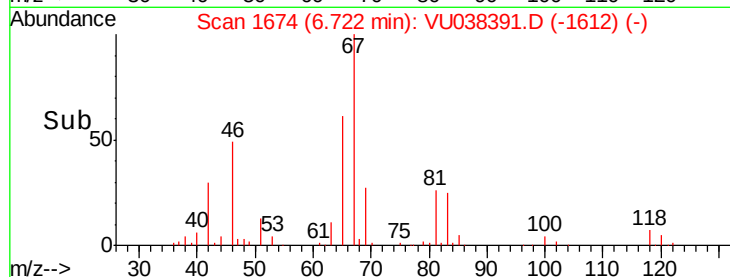
6000

4000

2000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038391.D

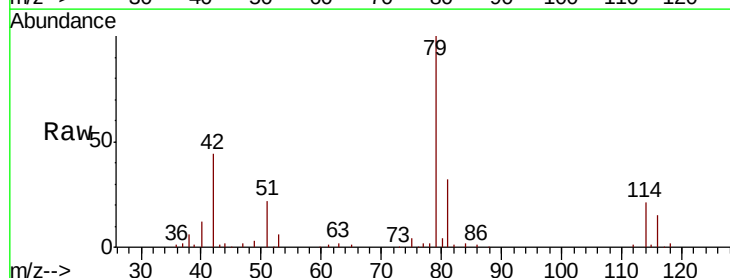
Acq: 29 May 2020 21:10

Tgt Ion: 75 Resp: 3463

Ion Ratio Lower Upper

75 100

77 52.8 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU038391.D (-1864) (-)

Ion 77.05 (76.75 to 77.75): VU038391.D (-1864) (-)

7.59

2500

2000

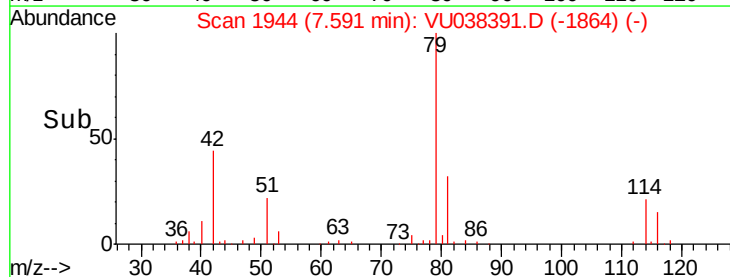
1500

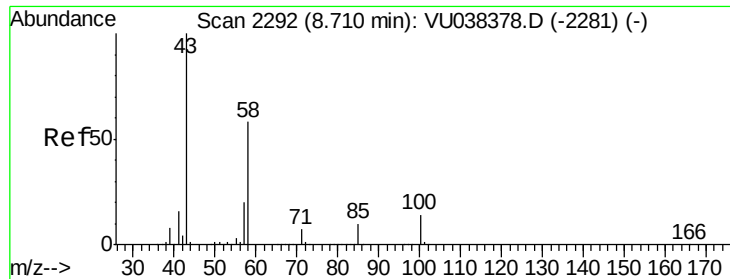
1000

500

0

Time-->

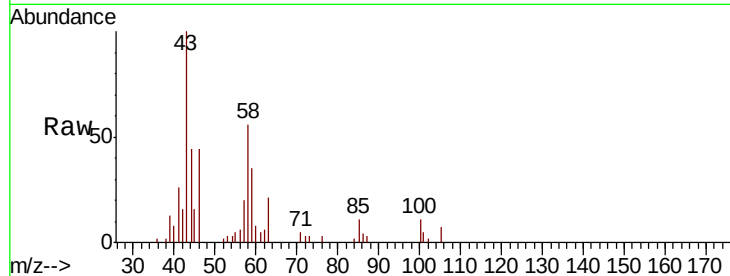




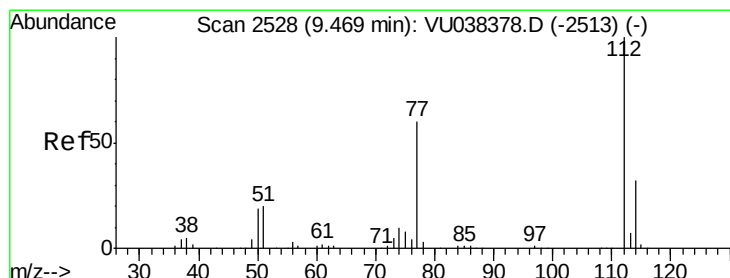
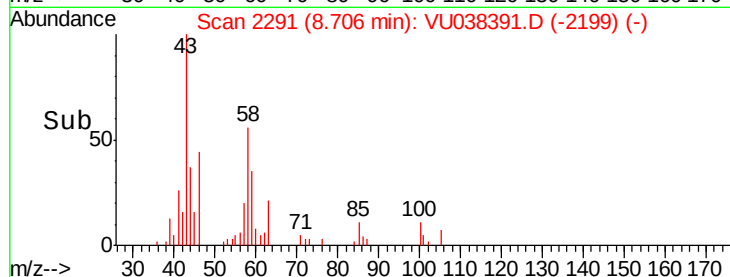
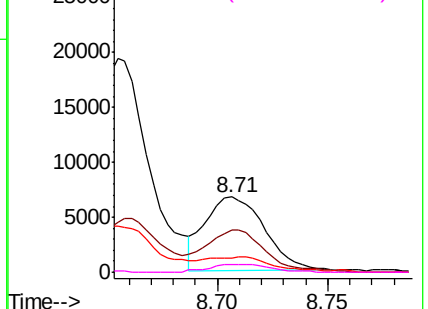
#48
2-Hexanone
Concen: 0.983 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038391.D
Acq: 29 May 2020 21:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	12514
Ion	Ratio	Lower	Upper
43	100		
58	59.2	45.2	67.8
57	23.2	15.5	23.3
100	11.2	9.5	14.3

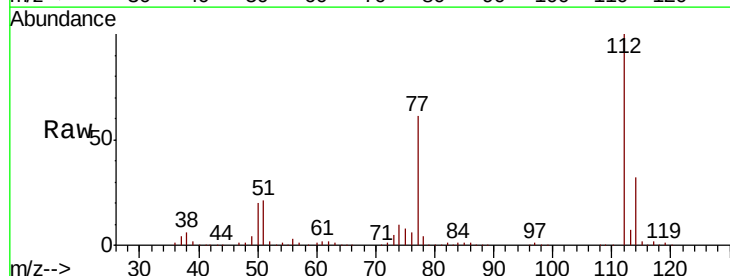


Abundance Ion 43.05 (42.75 to 43.75): VU038378.D (-2281) (-)
Ion 58.05 (57.75 to 58.75): VU038378.D (-2281) (-)
Ion 57.20 (56.90 to 57.90): VU038378.D (-2281) (-)
Ion 100.15 (99.85 to 100.85): VU038378.D (-2281) (-)

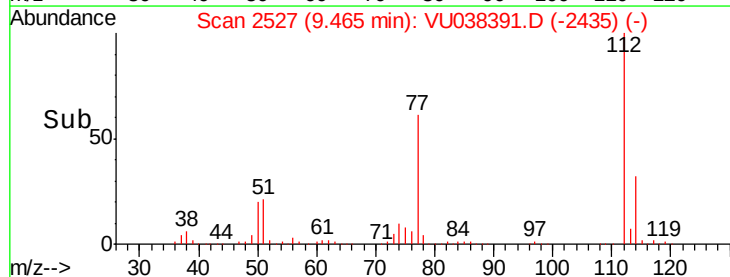
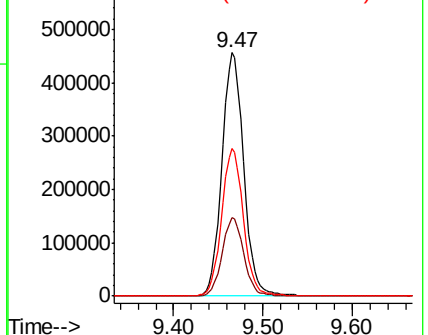


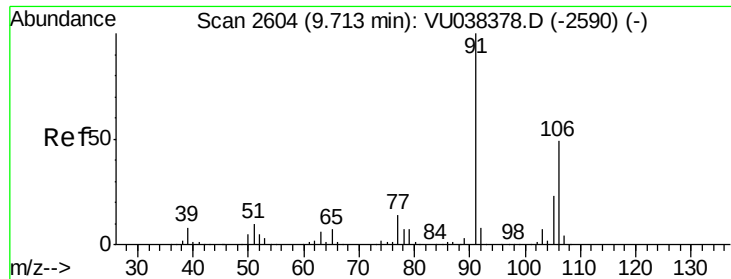
#51
Chlorobenzene
Concen: 12.781 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038391.D
Acq: 29 May 2020 21:10

Tgt Ion:	112	Resp:	773171
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	60.9	49.9	74.9



Abundance Ion 112.10 (111.80 to 112.80): VU038378.D (-2513) (-)
Ion 114.05 (113.75 to 114.75): VU038378.D (-2513) (-)
Ion 77.10 (76.80 to 77.80): VU038378.D (-2513) (-)





#53

m,p-Xylene

Concen: 0.108 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038391.D

Acq: 29 May 2020 21:10

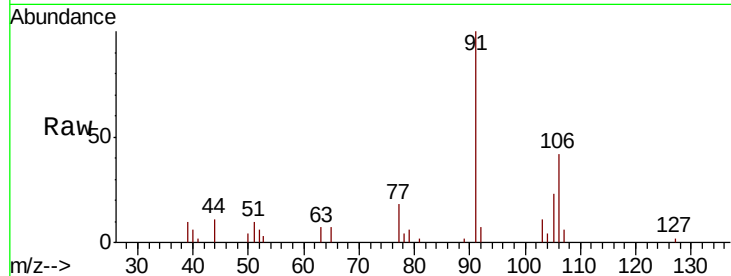
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 4385

Ion Ratio Lower Upper

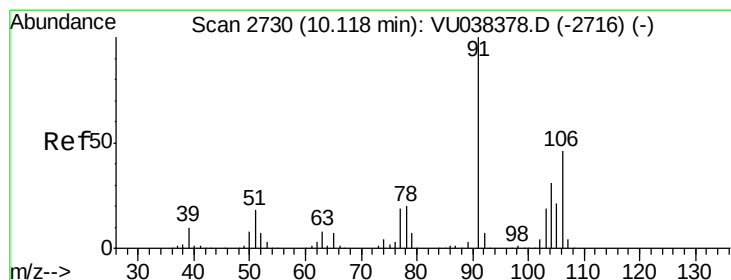
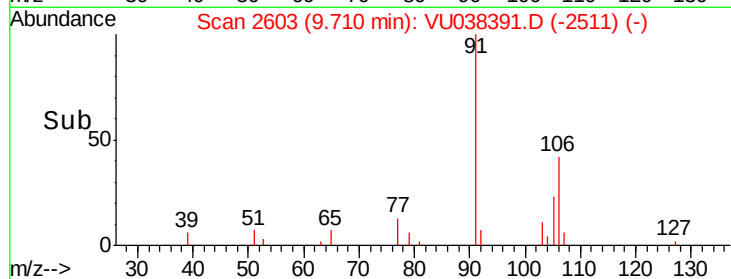
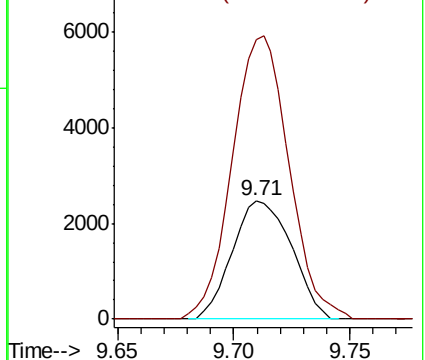
106 100

91 235.8 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.225 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038391.D

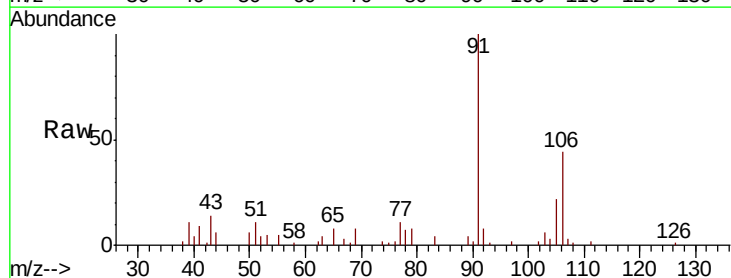
Acq: 29 May 2020 21:10

Tgt Ion:106 Resp: 8822

Ion Ratio Lower Upper

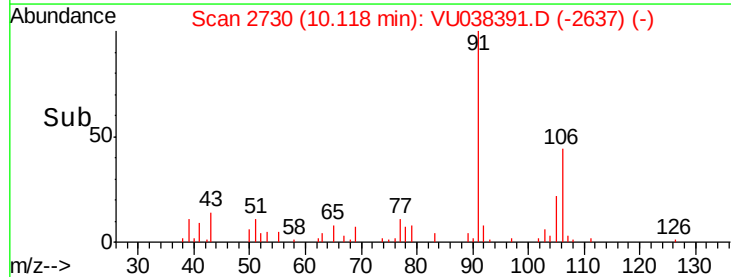
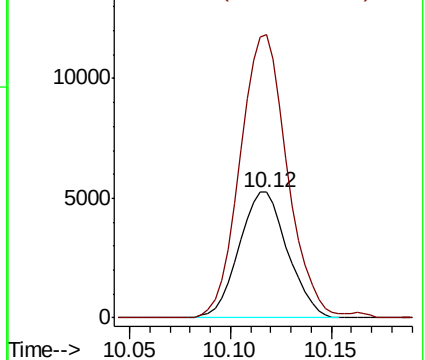
106 100

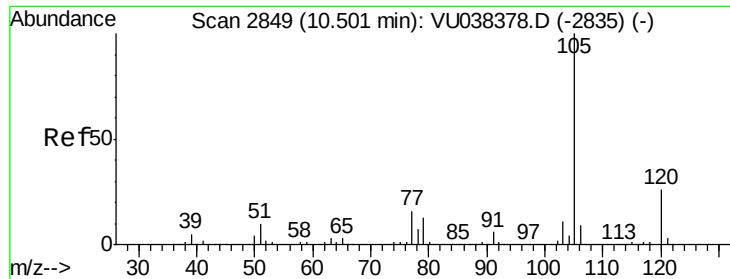
91 225.5 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.664 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038391.D

Acq: 29 May 2020 21:10

Instrument :

MSVOA_U

ClientSampled :

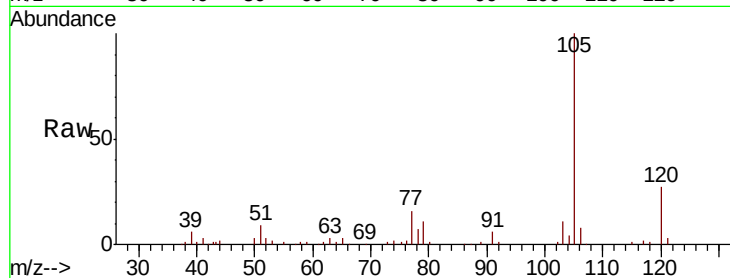
Tot Ion:105 Resp: 66732

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.6

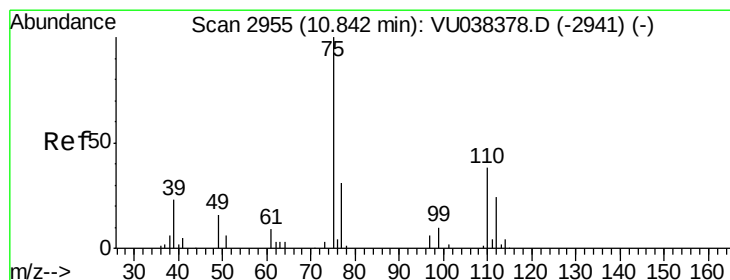
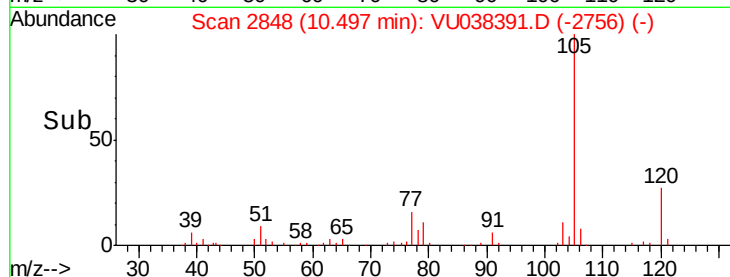
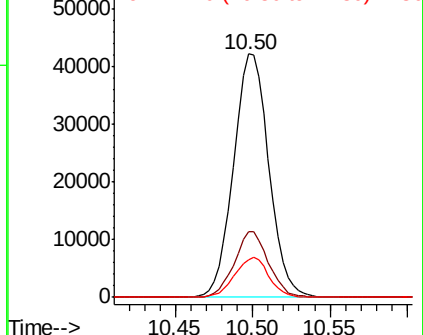
77 15.9 13.0 19.4



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: 1.298 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038391.D

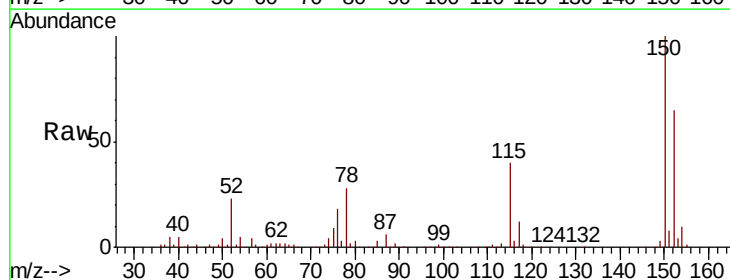
Acq: 29 May 2020 21:10

Tgt Ion: 75 Resp: 21856

Ion Ratio Lower Upper

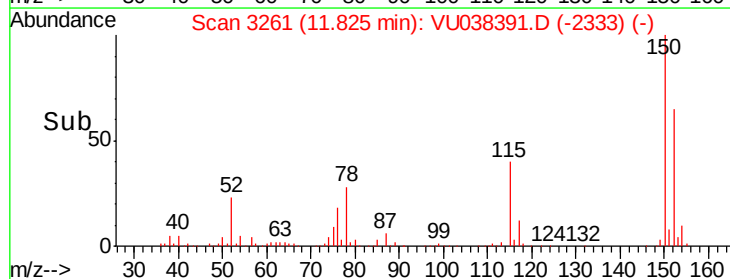
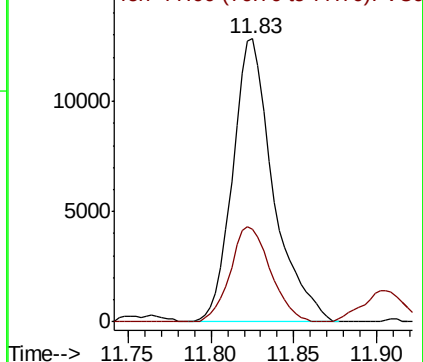
75 100

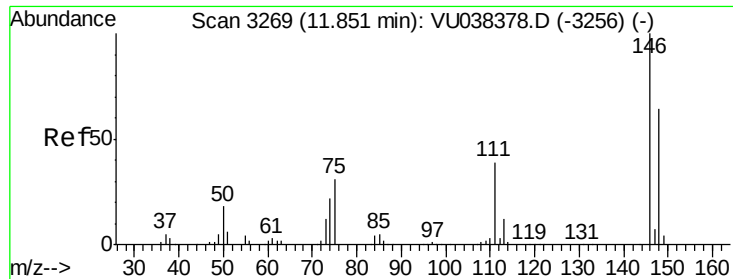
77 0.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#63

1,4-Dichlorobenzene

Concen: 0.212 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU038391.D

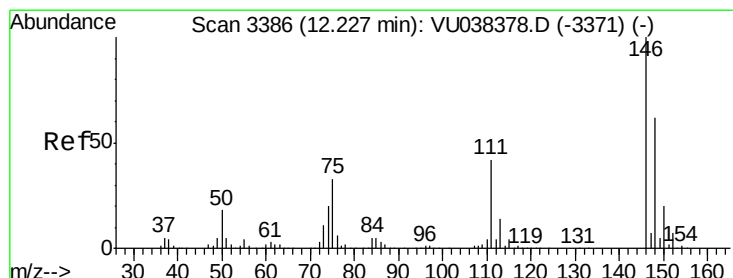
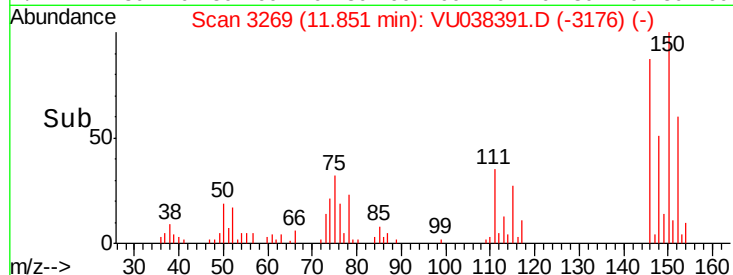
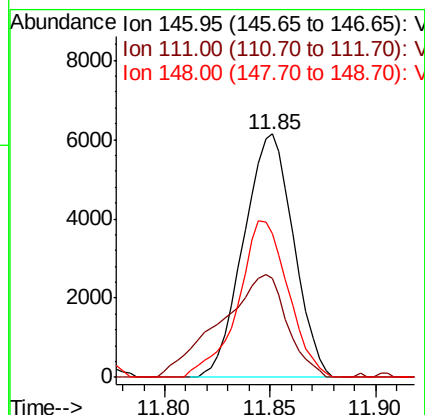
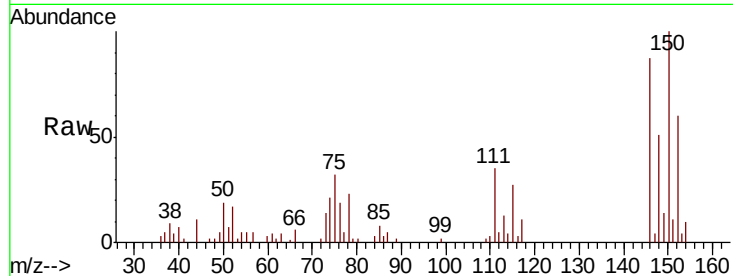
Acq: 29 May 2020 21:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	10098
Ion Ratio	Lower	Upper
146	100	
111	40.6	27.2 50.6
148	58.8	43.8 81.3



#65

1,2-Dichlorobenzene

Concen: 0.090 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038391.D

Acq: 29 May 2020 21:10

Tgt Ion:146	Resp:	4075
Ion Ratio	Lower	Upper
146	100	
111	60.2	35.3 52.9#
148	78.5	51.0 76.4#

