

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052220\
 Data File : VU038287.D
 Acq On : 22 May 2020 19:02
 Operator : JC/MD
 Sample : L2724-13DL 25X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 22 22:22:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 22:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	311086	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	296915	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	145241	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96582	3.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.80%
7) Chloroethane-d5	1.93	69	91705	3.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.60%
11) 1,1-Dichloroethene-d2	2.59	63	144202	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.66	46	371165	52.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.74%
24) Chloroform-d	5.10	84	207439	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.74	65	123656	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.76	84	430301	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.72	67	138057	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.92	98	373487	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	8.20	79	52664	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.65	63	288008	53.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	113913	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	150510	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	13453	0.651	ug/L #	71
16) Methylene chloride	3.08	84	2476	0.098	ug/L	81
30) Cyclohexane	5.42	56	10110	0.252	ug/L	99
33) Benzene	5.81	78	380781	4.005	ug/L	100
35) Methylcyclohexane	6.79	83	9076	0.236	ug/L	89
37) 1,2-Dichloropropane	6.72	63	15110	0.585	ug/L #	91
39) cis-1,3-Dichloropropene	7.59	75	3504	0.095	ug/L #	66
42) Toluene	7.99	91	58326	0.581	ug/L	99
48) 2-Hexanone	8.71	43	25864	1.973	ug/L #	92
51) Chlorobenzene	9.47	112	1391098	22.333	ug/L	99
52) Ethylbenzene	9.59	91	128420	1.181	ug/L	98
53) m,p-Xylene	9.71	106	18719	0.449	ug/L	89
54) o-Xylene	10.12	106	27466	0.681	ug/L	99
55) Styrene	10.13	104	4574	0.068	ug/L #	29
56) Isopropylbenzene	10.50	105	109898	1.061	ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	18948	1.093	ug/L #	43
62) 1,3-Dichlorobenzene	11.76	146	9644	0.204	ug/L	96

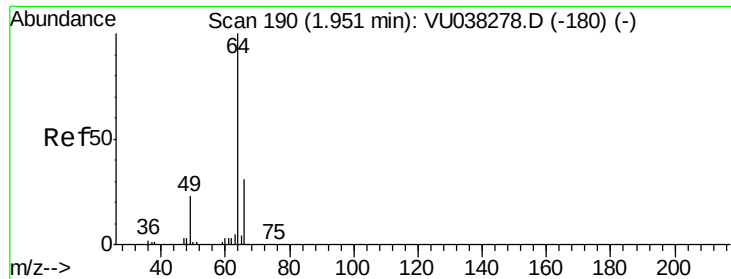
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052220\
Data File : VU038287.D
Acq On : 22 May 2020 19:02
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 22 22:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.85	146	46065	0.962	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	21311	0.469	ug/L	97
69) Naphthalene	14.11	128	33782	0.516	ug/L	98

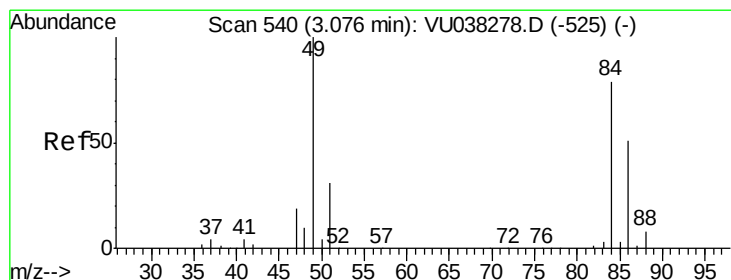
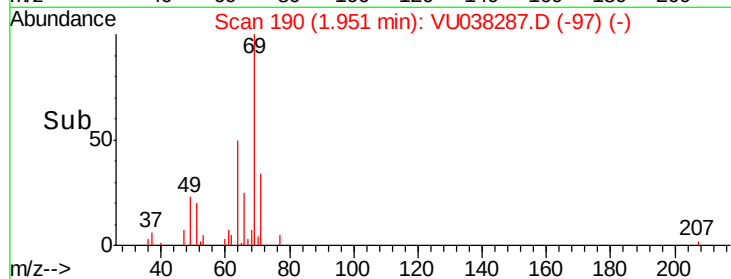
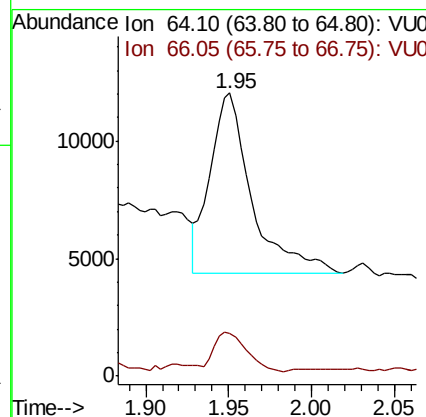
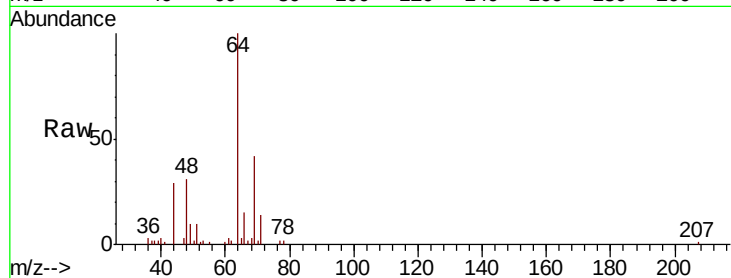
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 0.651 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038287.D
Acq: 22 May 2020 19:02

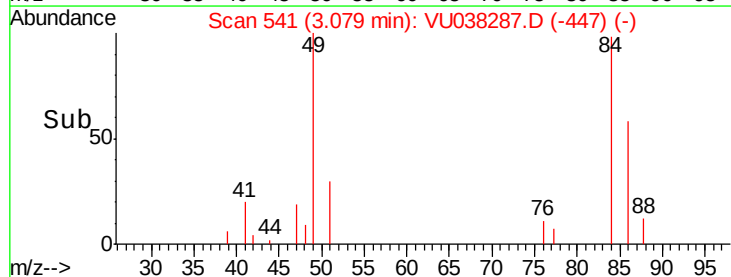
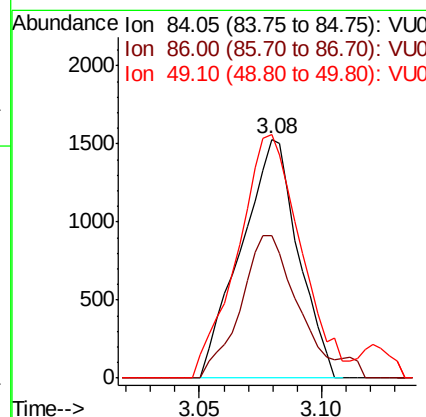
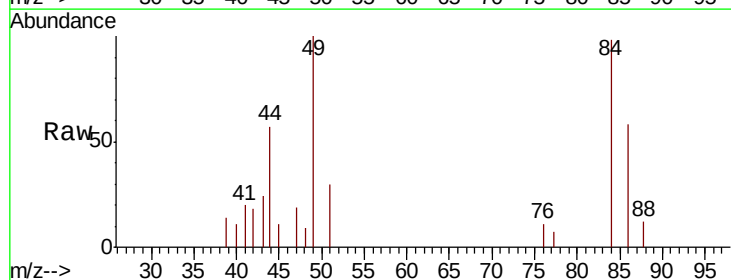
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ClientSampleId :

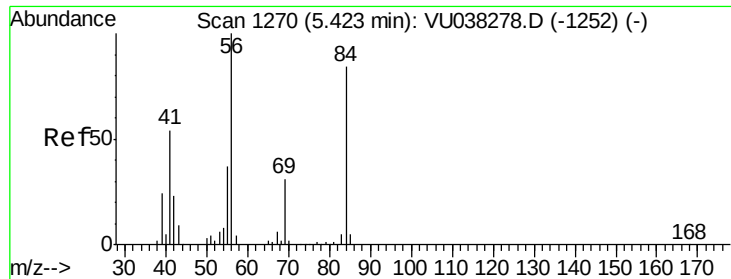
Tot Ion: 64 Resp: 13453
Ion Ratio Lower Upper
64 100
66 15.2 21.8 40.4#



#16
Methylene chloride
Concen: 0.098 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU038287.D
Acq: 22 May 2020 19:02

Tgt Ion: 84 Resp: 2476
Ion Ratio Lower Upper
84 100
86 59.6 44.9 83.3
49 102.1 92.0 170.9

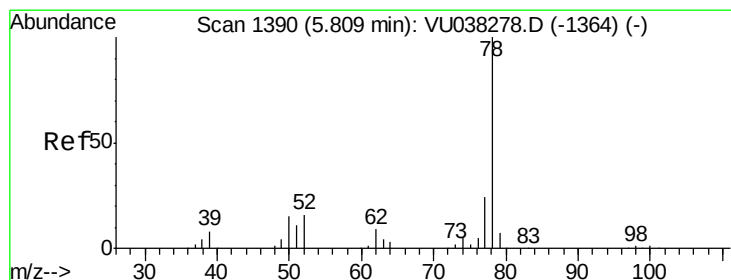
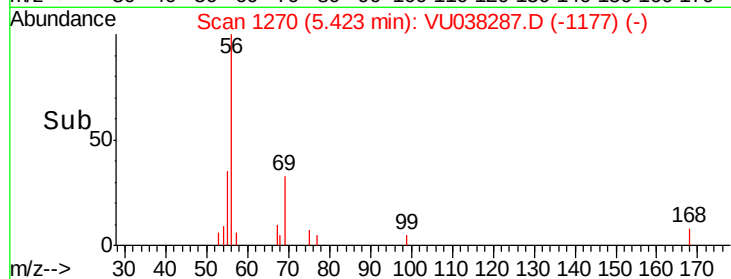
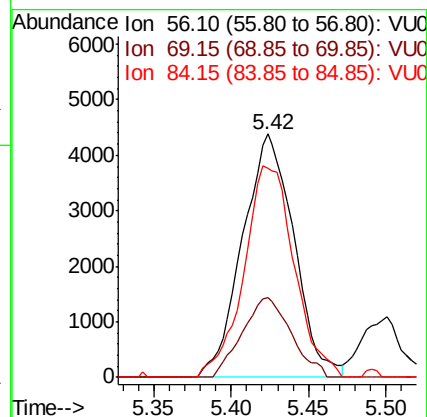
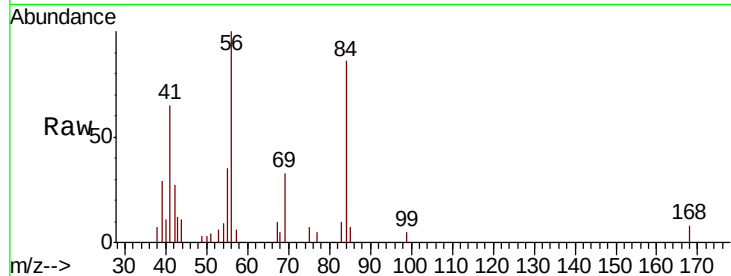




#30
Cyclohexane
Concen: 0.252 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038287.D
Acq: 22 May 2020 19:02

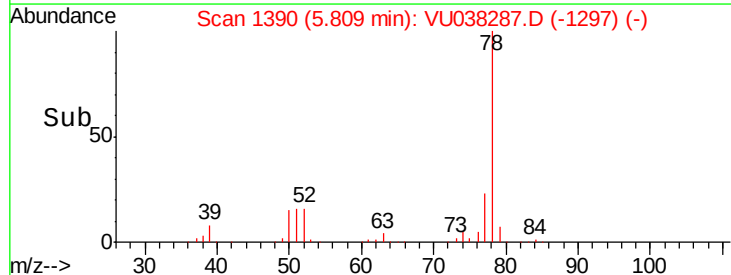
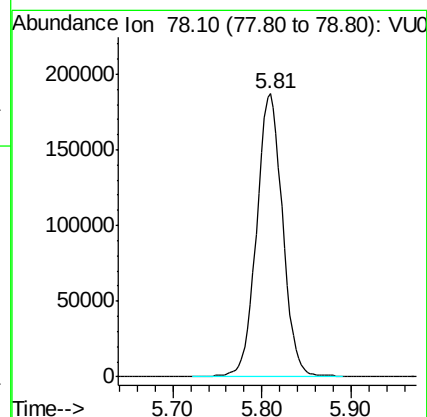
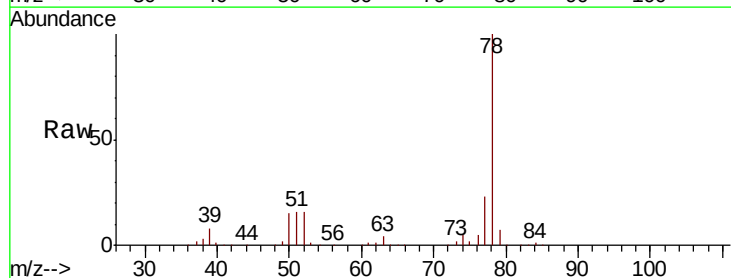
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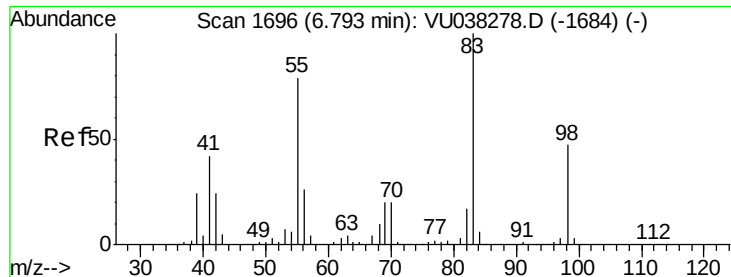
Tot Ion: 56 Resp: 10110
Ion Ratio Lower Upper
56 100
69 31.3 24.2 36.4
84 85.1 68.5 102.7



#33
Benzene
Concen: 4.005 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038287.D
Acq: 22 May 2020 19:02

Tgt Ion: 78 Resp: 380781

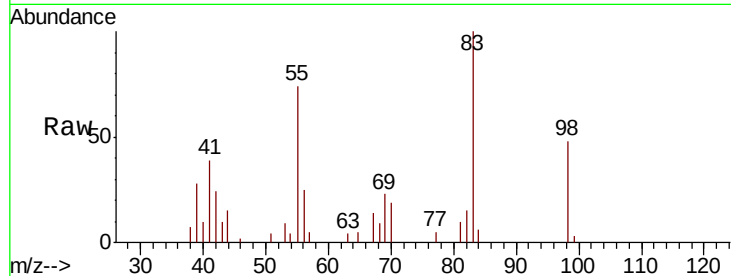




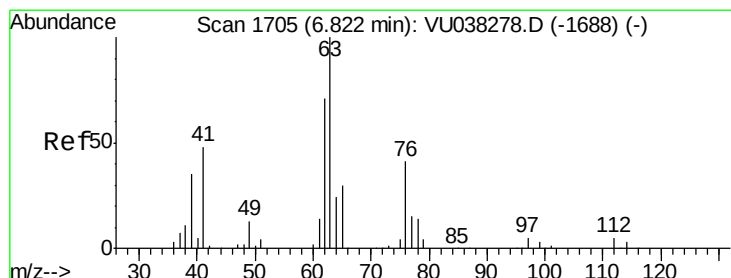
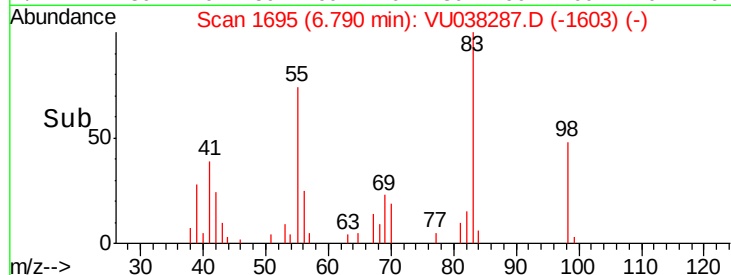
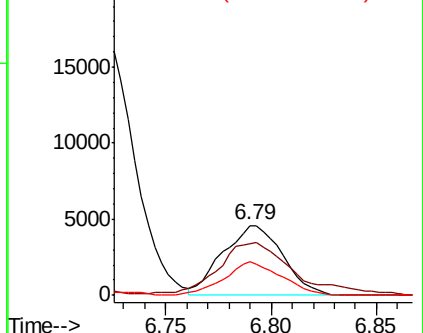
#35
Methylvlcyclohexane
Concen: 0.236 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU038287.D
Acq: 22 May 2020 19:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 9076
Ion Ratio Lower Upper
83 100
55 96.4 66.7 100.1
98 45.8 39.4 59.2

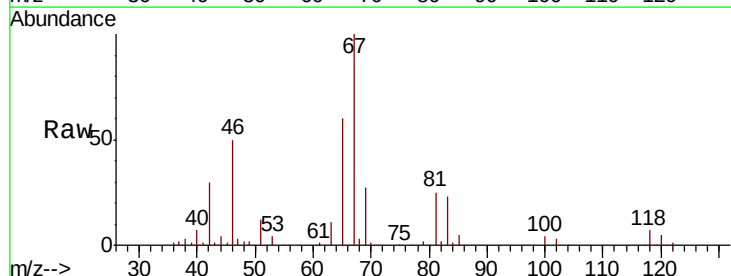


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

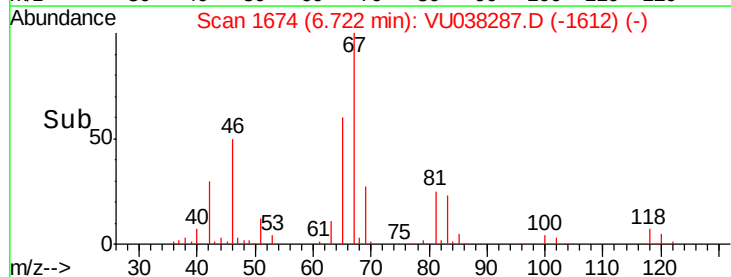
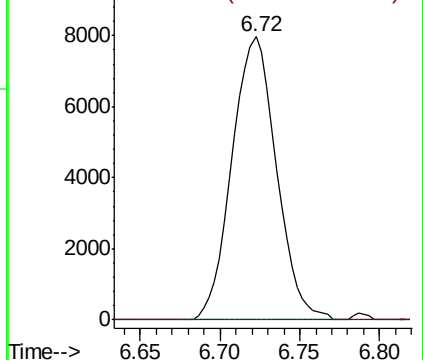


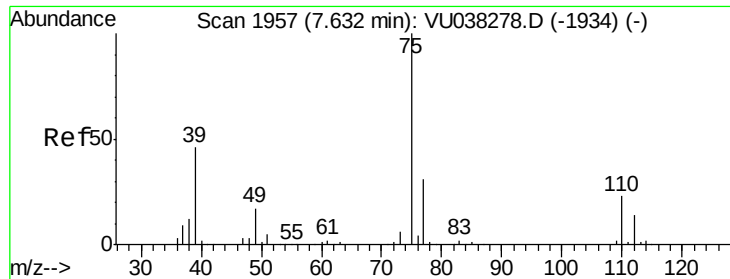
#37
1,2-Dichloropropane
Concen: 0.585 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038287.D
Acq: 22 May 2020 19:02

Tgt Ion: 63 Resp: 15110
Ion Ratio Lower Upper
63 100
112 1.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

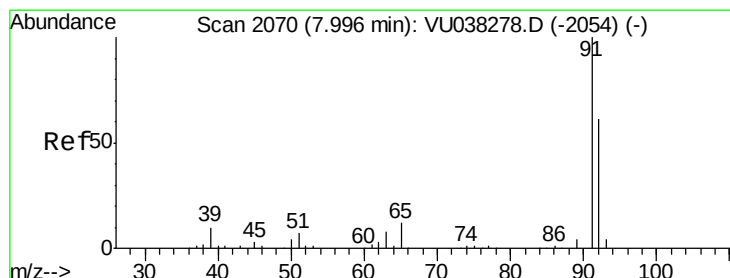
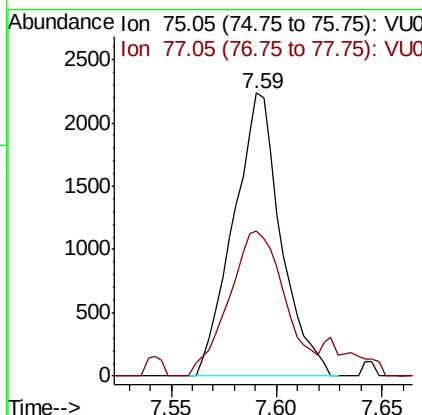
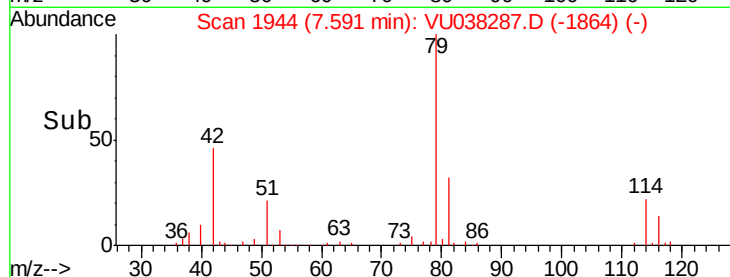
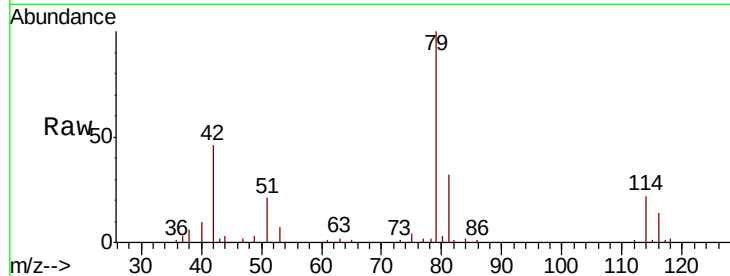




#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038287.D
 Acq: 22 May 2020 19:02

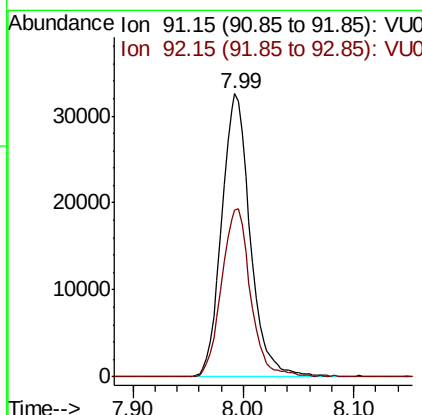
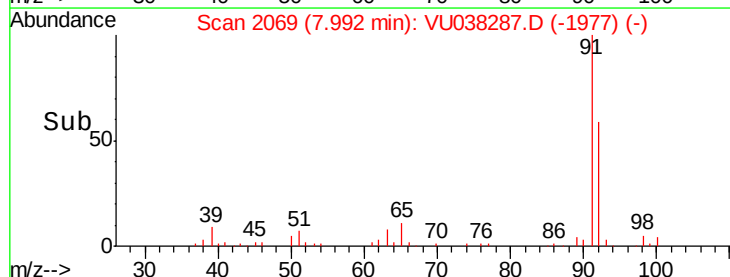
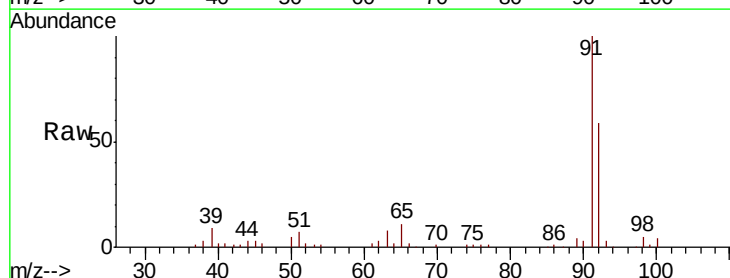
Instrument :
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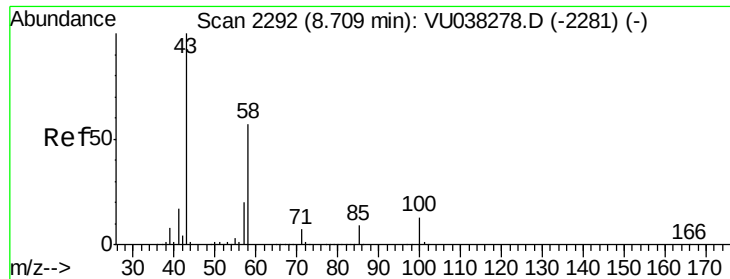
Tot Ion: 75 Resp: 3504
 Ion Ratio Lower Upper
 75 100
 77 51.1 22.4 41.6#



#42
 Toluene
 Concen: 0.581 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VU038287.D
 Acq: 22 May 2020 19:02

Tgt Ion: 91 Resp: 58326
 Ion Ratio Lower Upper
 91 100
 92 59.2 40.9 75.9

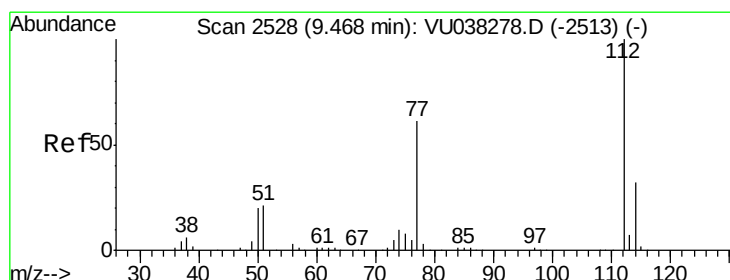
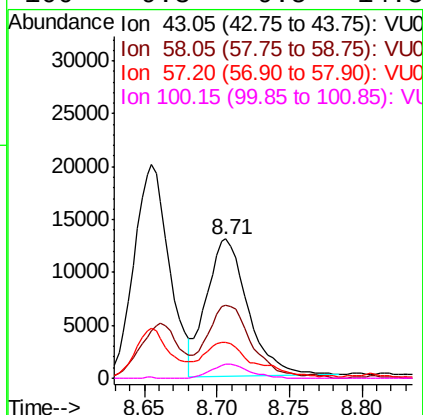
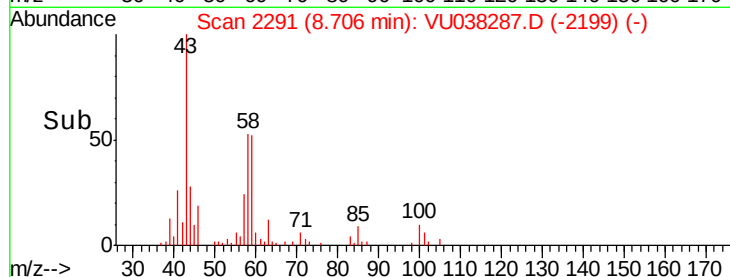
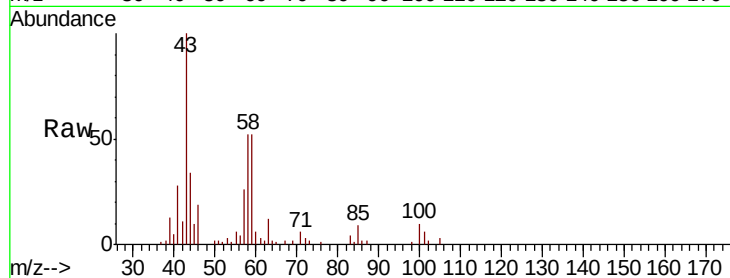




#48
2-Hexanone
Concen: 1.973 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038287.D
Acq: 22 May 2020 19:02

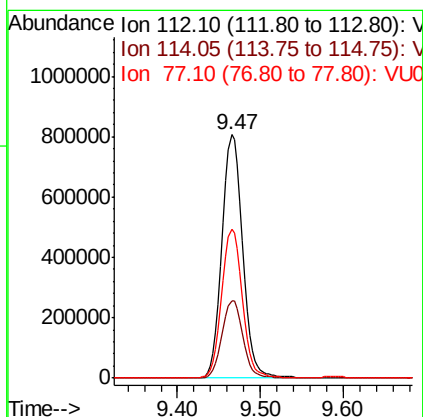
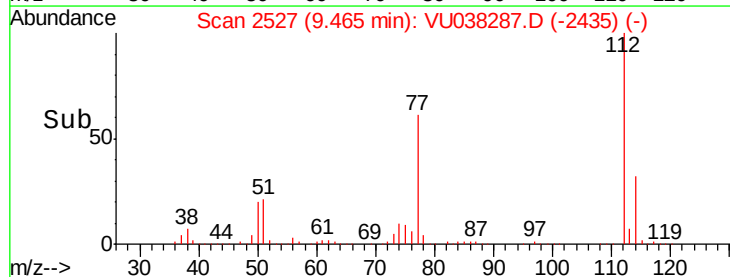
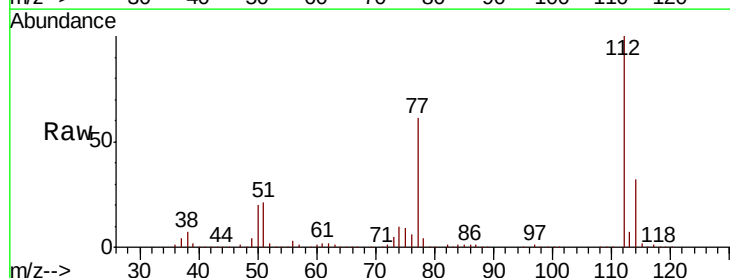
Instrument :
MSVOA_U
ClientSampleId :

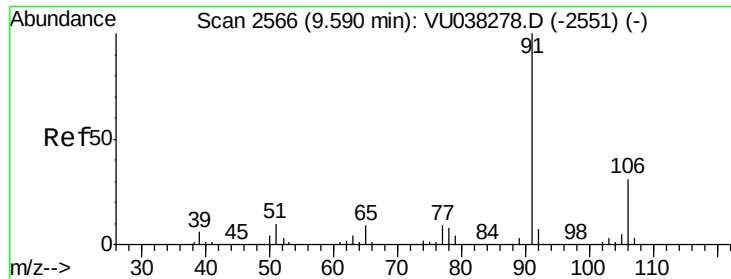
Tot Ion: 43 Resp: 25864
Ion Ratio Lower Upper
43 100
58 54.6 45.2 67.8
57 30.6 15.5 23.3#
100 9.3 9.5 14.3#



#51
Chlorobenzene
Concen: 22.333 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038287.D
Acq: 22 May 2020 19:02

Tgt Ion: 112 Resp: 1391098
Ion Ratio Lower Upper
112 100
114 31.8 22.5 41.7
77 61.3 49.9 74.9





#52

Ethylbenzene

Concen: 1.181 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038287.D

Acq: 22 May 2020 19:02

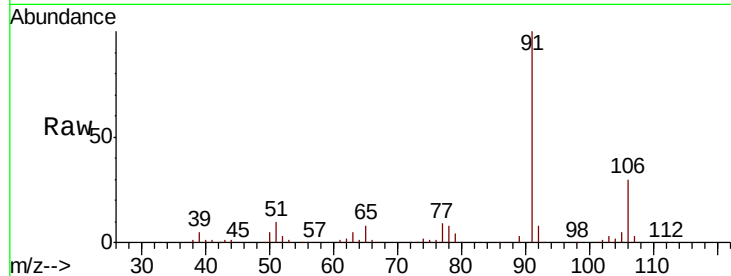
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 128420

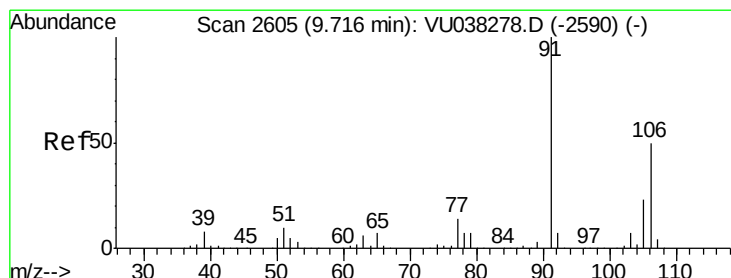
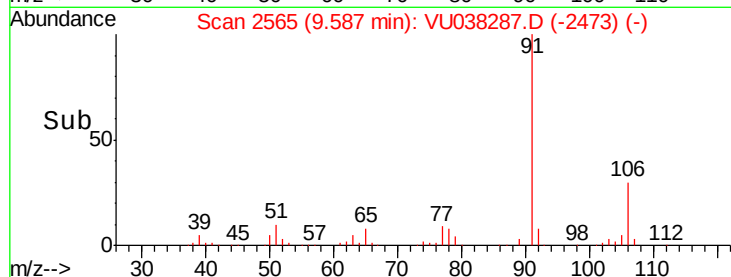
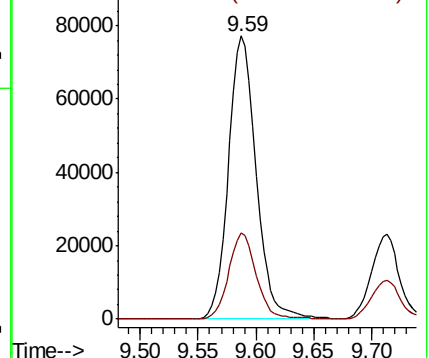
Ion Ratio Lower Upper

91 100

106 30.3 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038287.D (-2551) (-)



#53

m,p-Xylene

Concen: 0.449 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038287.D

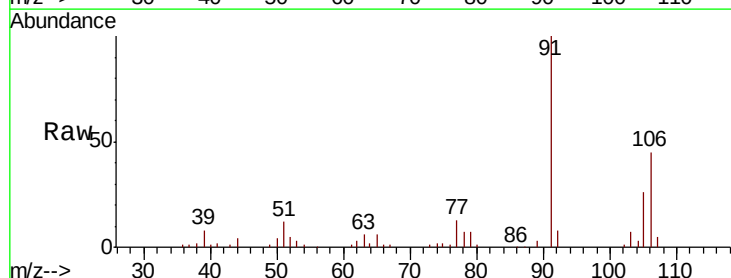
Acq: 22 May 2020 19:02

Tgt Ion: 106 Resp: 18719

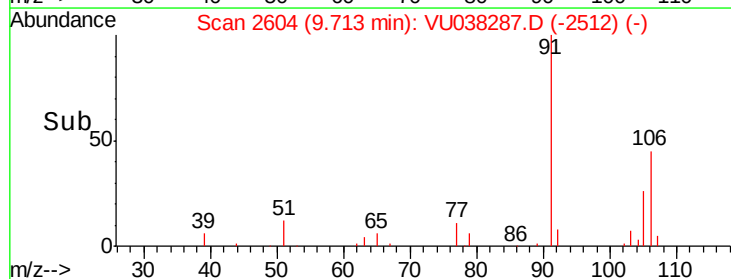
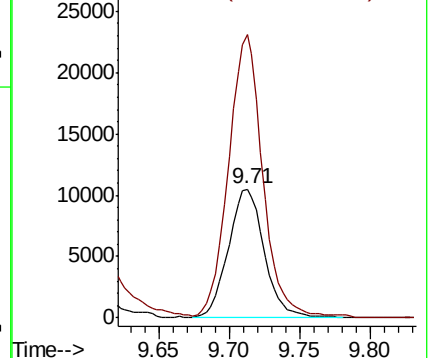
Ion Ratio Lower Upper

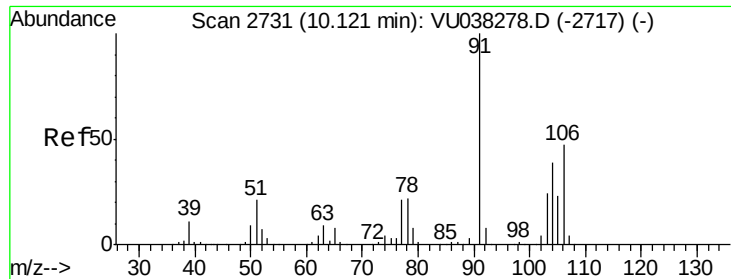
106 100

91 219.9 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038287.D (-2590) (-)

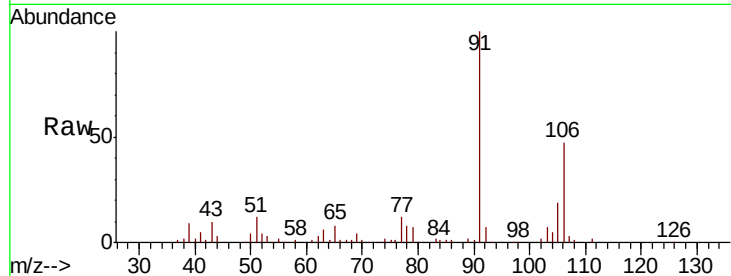




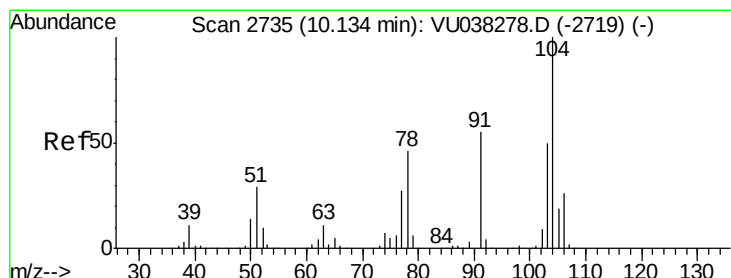
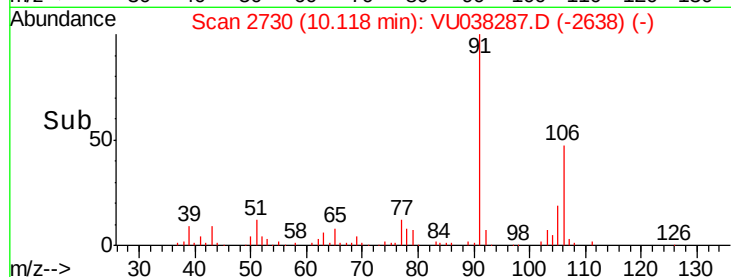
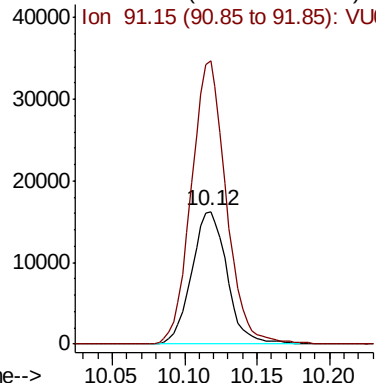
#54
o-Xylene
Concen: 0.681 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038287.D
Acq: 22 May 2020 19:02

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 27466
Ion Ratio Lower Upper
106 100
91 213.3 148.5 275.9

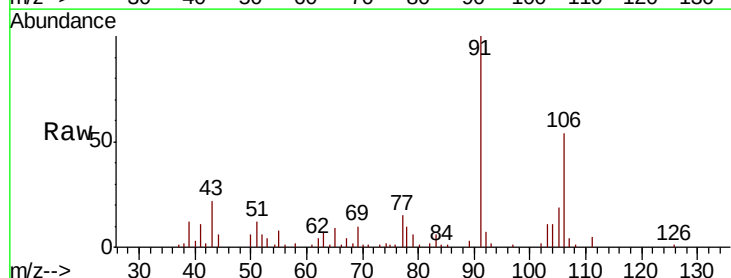


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

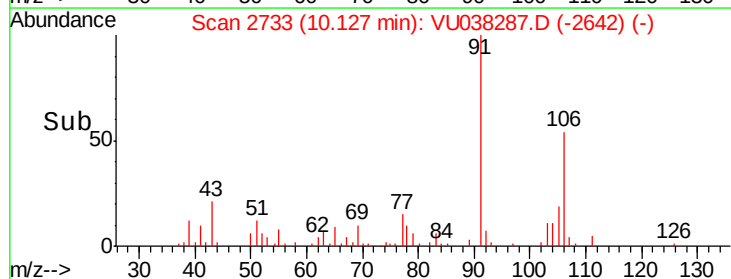
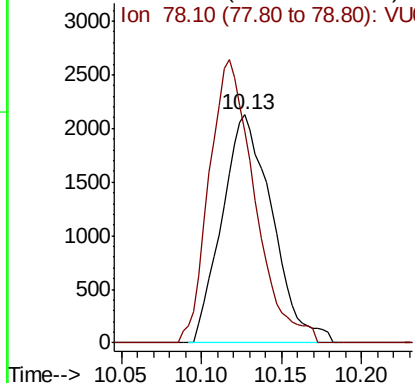


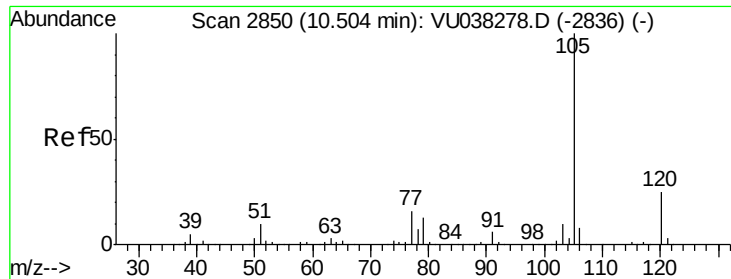
#55
Styrene
Concen: 0.068 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.01 min
Lab File: VU038287.D
Acq: 22 May 2020 19:02

Tgt Ion:104 Resp: 4574
Ion Ratio Lower Upper
104 100
78 92.7 32.3 59.9#



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 1.061 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038287.D

Acq: 22 May 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

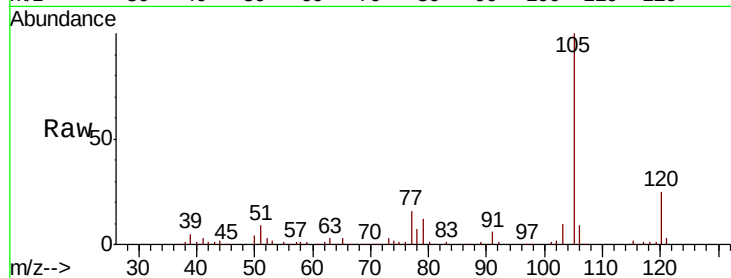
Tot Ion:105 Resp: 109898

Ion Ratio Lower Upper

105 100

120 25.0 21.0 31.6

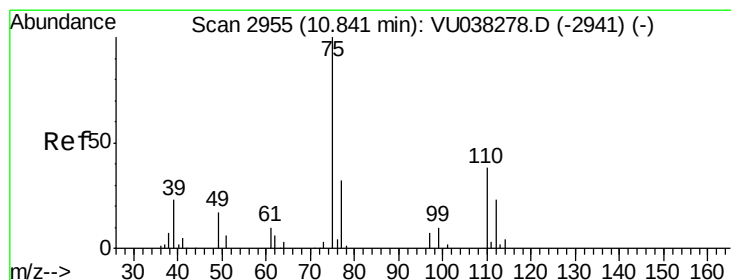
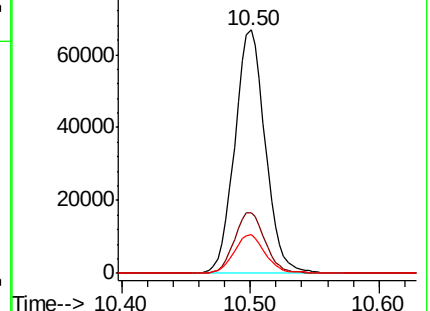
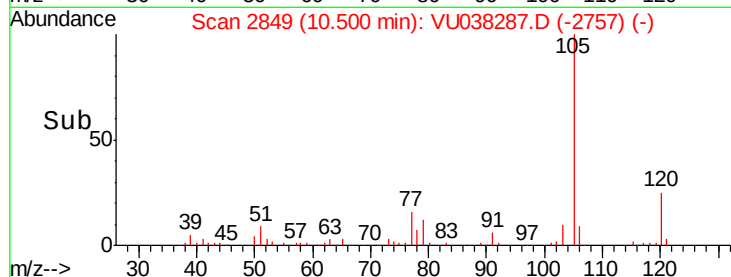
77 16.2 13.0 19.4



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: 1.093 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038287.D

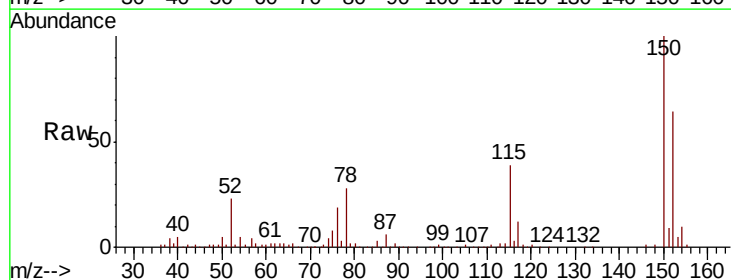
Acq: 22 May 2020 19:02

Tgt Ion: 75 Resp: 18948

Ion Ratio Lower Upper

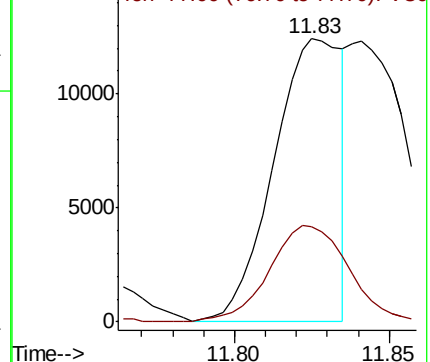
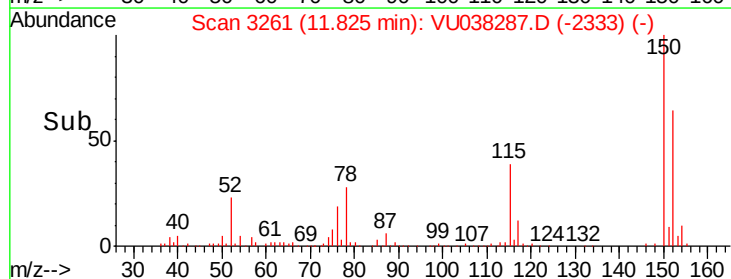
75 100

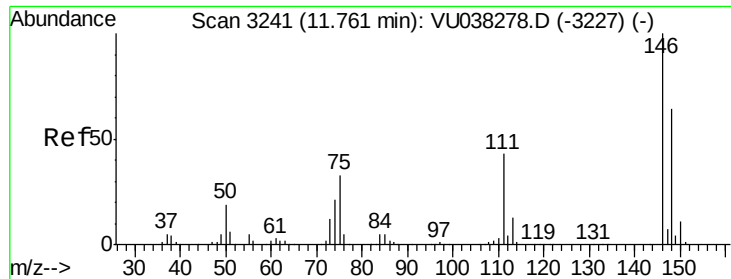
77 0.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

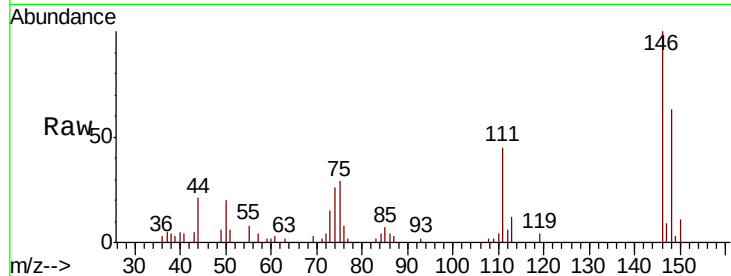




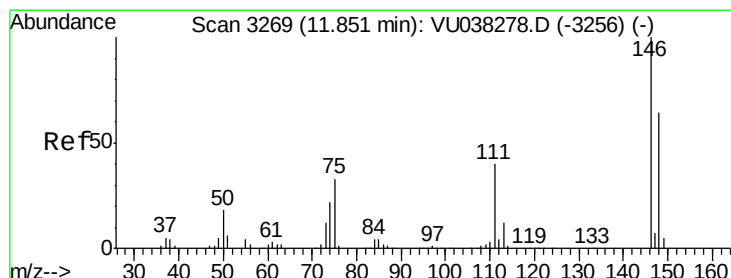
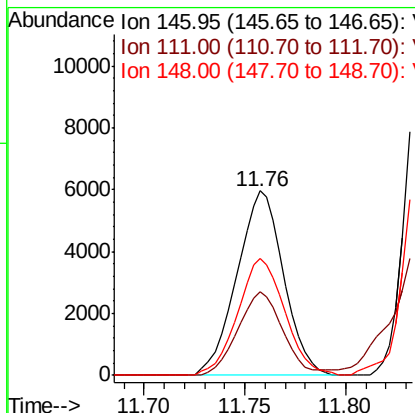
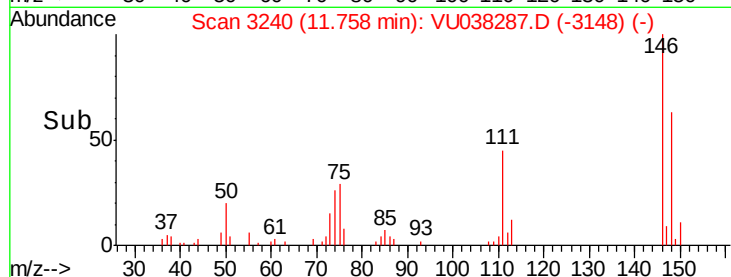
#62
 1,3-Dichlorobenzene
 Concen: 0.204 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038287.D
 Acq: 22 May 2020 19:02

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 9644
 Ion Ratio Lower Upper
 146 100
 111 45.3 28.6 53.2
 148 63.4 45.2 84.0

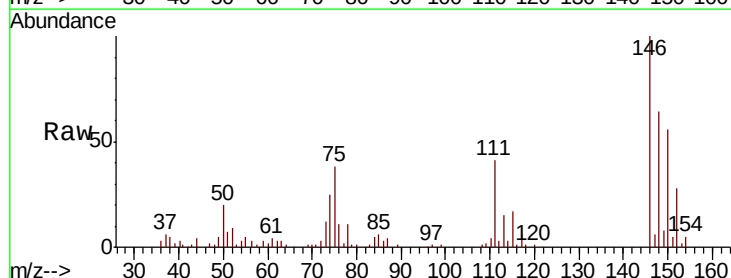


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

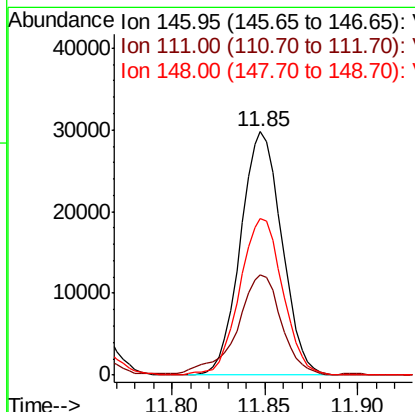
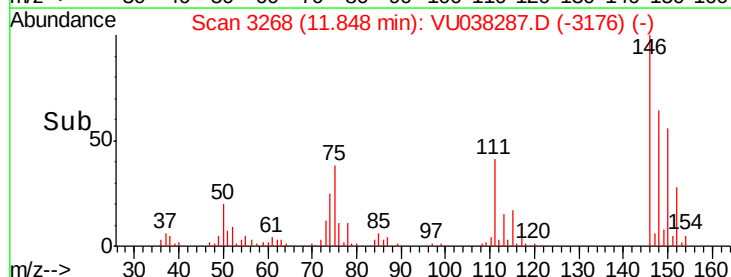


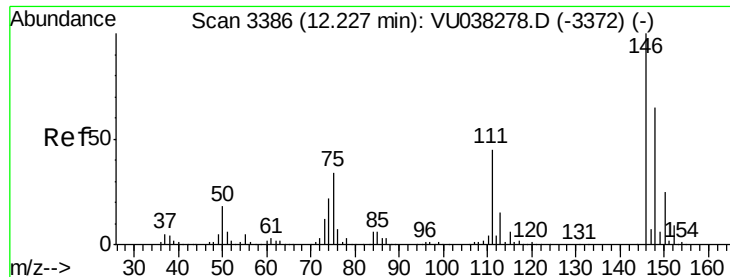
#63
 1,4-Dichlorobenzene
 Concen: 0.962 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038287.D
 Acq: 22 May 2020 19:02

Tgt Ion:146 Resp: 46065
 Ion Ratio Lower Upper
 146 100
 111 41.2 27.2 50.6
 148 64.4 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

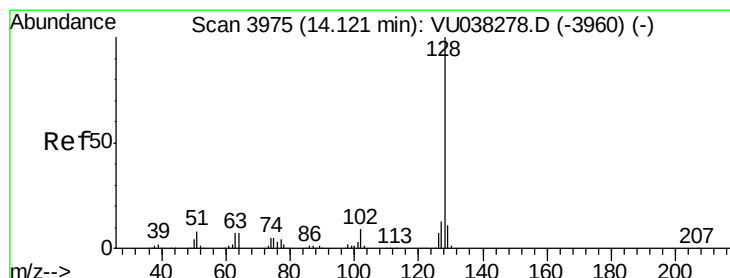
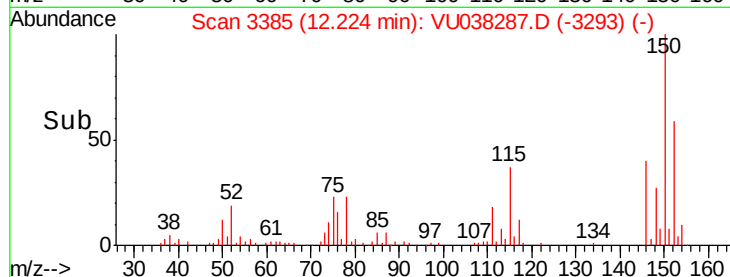
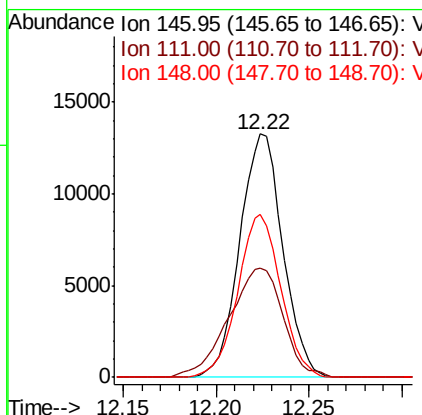
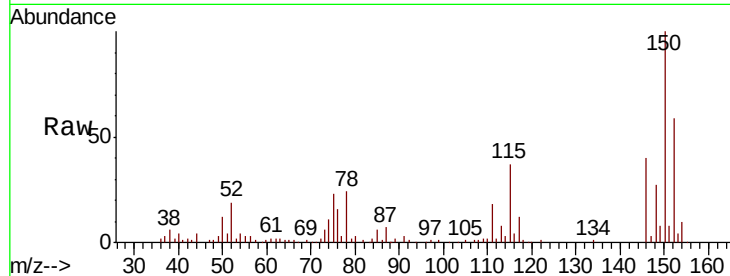




#65
 1,2-Dichlorobenzene
 Concen: 0.469 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038287.D
 Acq: 22 May 2020 19:02

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 21311
 Ion Ratio Lower Upper
 146 100
 111 45.1 35.3 52.9
 148 67.0 51.0 76.4



#69
 Naphthalene
 Concen: 0.516 ug/L
 RT: 14.11 min Scan# 3973
 Delta R.T. -0.01 min
 Lab File: VU038287.D
 Acq: 22 May 2020 19:02

Tgt Ion:128 Resp: 33782
 Ion Ratio Lower Upper
 128 100
 129 11.9 8.7 13.1
 127 13.7 10.2 15.4

