

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051420\
 Data File : VU038179.D
 Acq On : 14 May 2020 19:00
 Operator : JC/MD
 Sample : L2653-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 15 01:09:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 01:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	300555	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	293630	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	137338	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	103545	3.77	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.92	69	100522	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	147342	3.21	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	4.73	46	396807	58.50	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.00%
24) Chloroform-d	5.10	84	197326	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.74	65	118926	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.75	84	409049	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.72	67	140353	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.92	98	366156	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	8.20	79	48153	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.66	63	340972	63.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.94%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	118947	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	138524	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

				Ovalue
3) Chloromethane	1.52	50	15964	0.482 ug/L # 51
12) 1,1-Dichloroethene	2.58	96	1355	0.065 ug/L # 1
14) Carbon disulfide	2.81	76	7543	0.101 ug/L # 69
19) 1,1-Dichloroethane	3.90	63	45149	1.015 ug/L 99
30) Cyclohexane	5.41	56	19722	0.497 ug/L 98
33) Benzene	5.80	78	15039	0.160 ug/L 100
35) Methylcyclohexane	6.78	83	83533	2.193 ug/L 88
42) Toluene	7.99	91	15302	0.154 ug/L 92
45) 1,1,2-Trichloroethane	8.39	97	19445	1.096 ug/L # 19
48) 2-Hexanone	8.72	43	34268	2.643 ug/L # 89
52) Ethylbenzene	9.59	91	8841	0.082 ug/L 98
53) m,p-Xylene	9.71	106	10290	0.250 ug/L 85
54) o-Xylene	10.11	106	9253	0.232 ug/L 92
58) 1,1,2,2-Tetrachloroethane	10.82	83	5012	0.223 ug/L # 34
59) 1,2,3-Trichloropropane	11.82	75	18356	1.071 ug/L # 89
66) 1,2-Dibromo-3-chloropropan	13.04	75	860	0.245 ug/L # 8
69) Naphthalene	14.11	128	23544	0.380 ug/L # 94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 01:05:40 2020
Response via : Initial Calibration

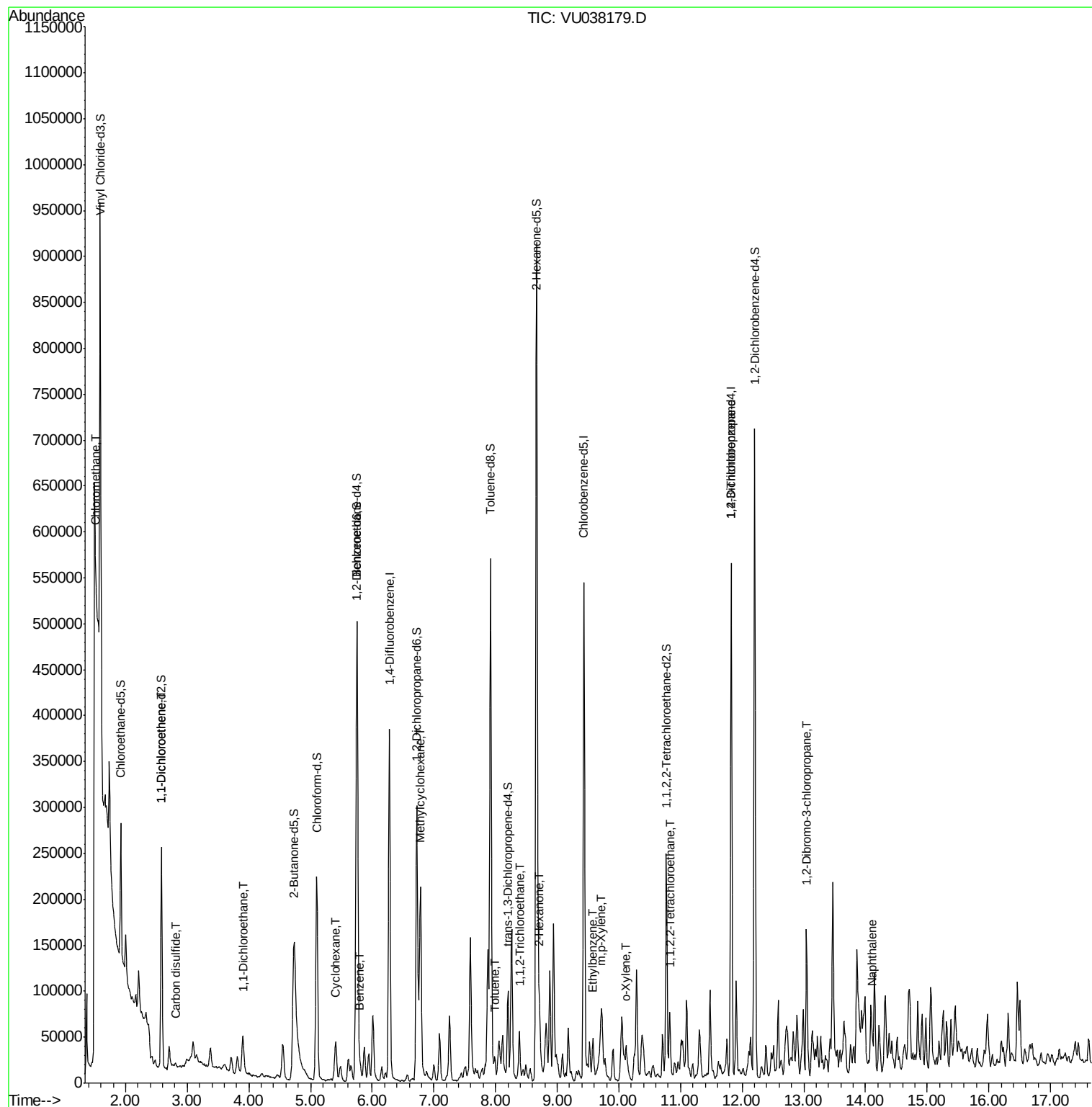
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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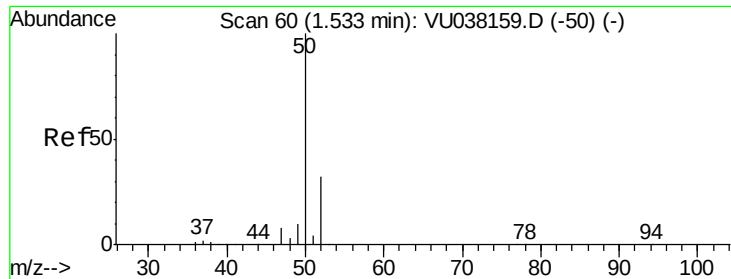
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 15 01:05:40 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.482 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.01 min

Lab File: VU038179.D

Acq: 14 May 2020 19:00

Instrument :

MSVOA_U

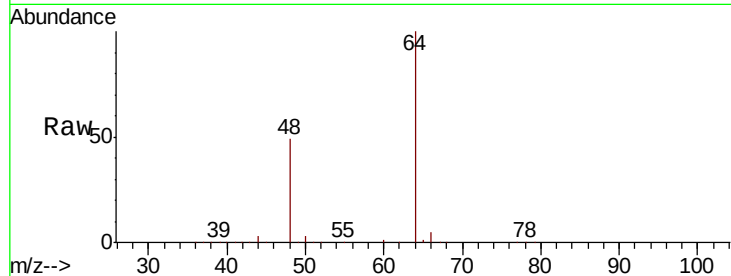
ClientSampled :

Tot Ion: 50 Resp: 15964

Ion Ratio Lower Upper

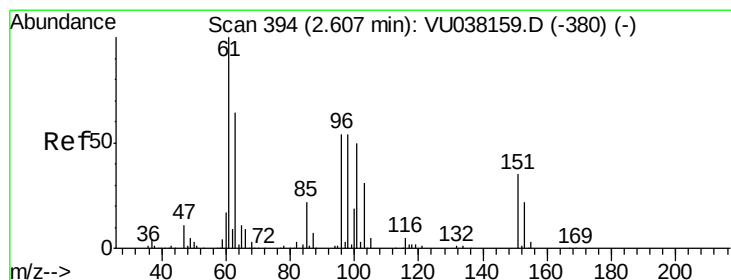
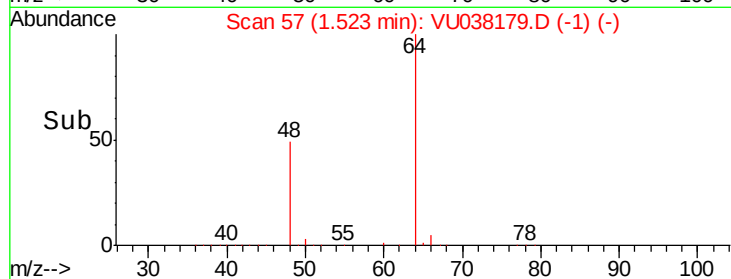
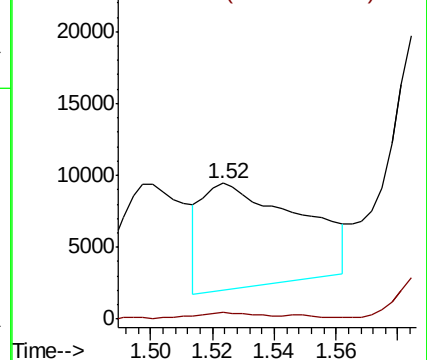
50 100

52 4.7 22.5 41.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.03 min

Lab File: VU038179.D

Acq: 14 May 2020 19:00

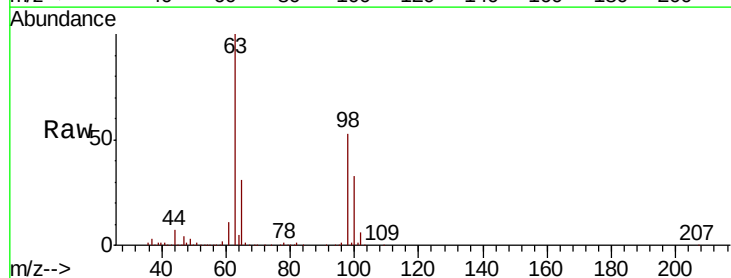
Tgt Ion: 96 Resp: 1355

Ion Ratio Lower Upper

96 100

61 1284.4 126.2 234.4#

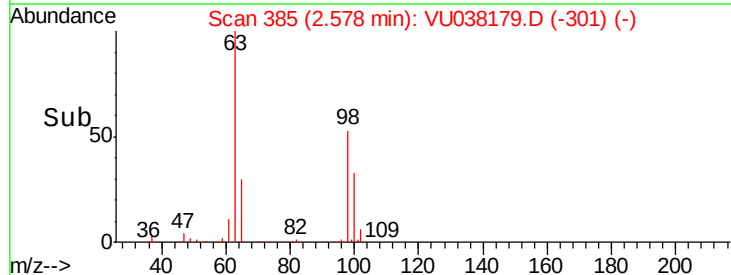
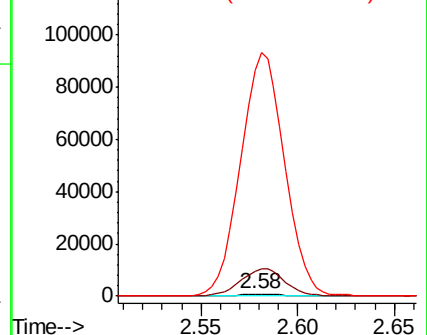
63 11816.6 96.9 179.9#

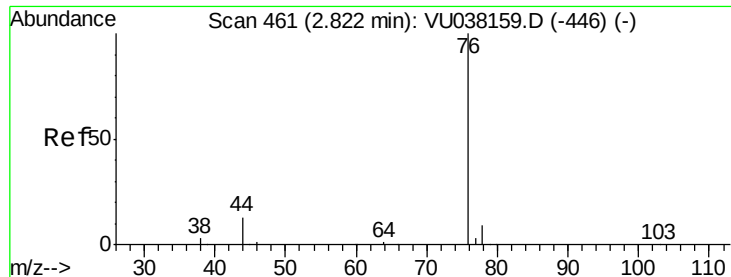


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#14

Carbon disulfide

Concen: 0.101 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.01 min

Lab File: VU038179.D

Acq: 14 May 2020 19:00

Instrument :

MSVOA_U

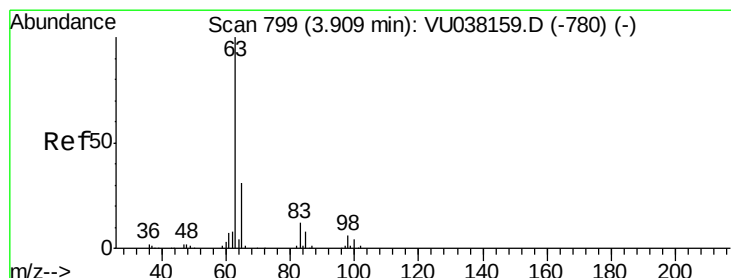
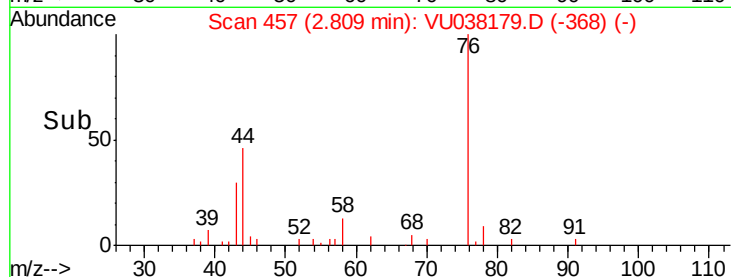
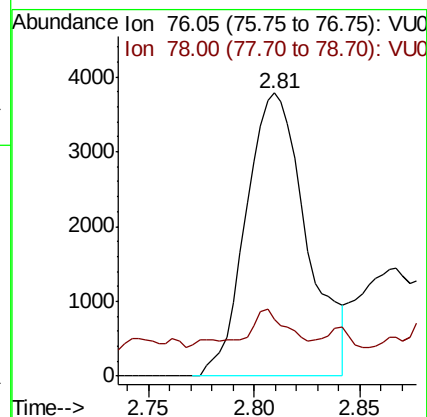
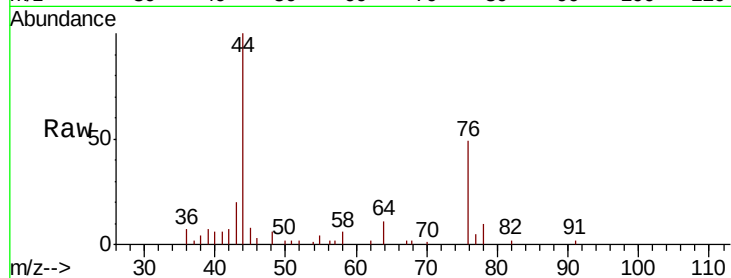
ClientSampleId :

Tot Ion: 76 Resp: 7543

Ion Ratio Lower Upper

76 100

78 20.1 7.1 10.7#



#19

1,1-Dichloroethane

Concen: 1.015 ug/L

RT: 3.90 min Scan# 797

Delta R.T. -0.01 min

Lab File: VU038179.D

Acq: 14 May 2020 19:00

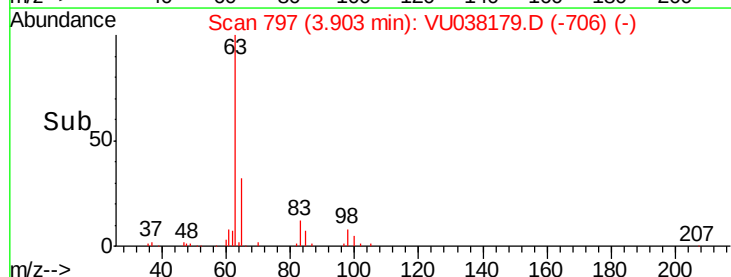
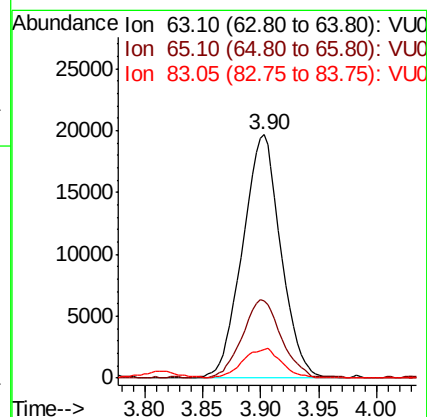
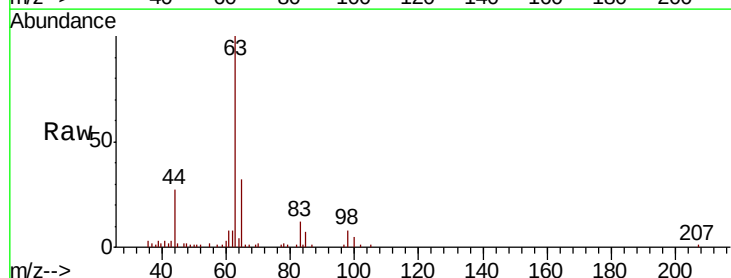
Tgt Ion: 63 Resp: 45149

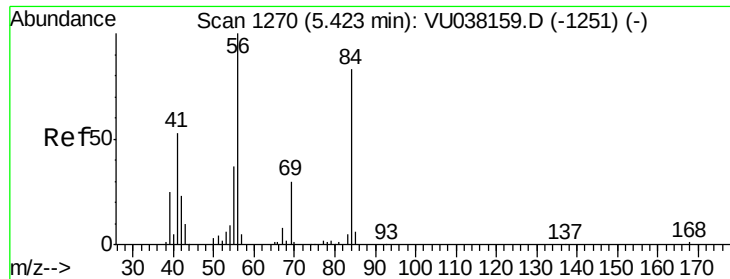
Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.7

83 11.7 8.9 16.5

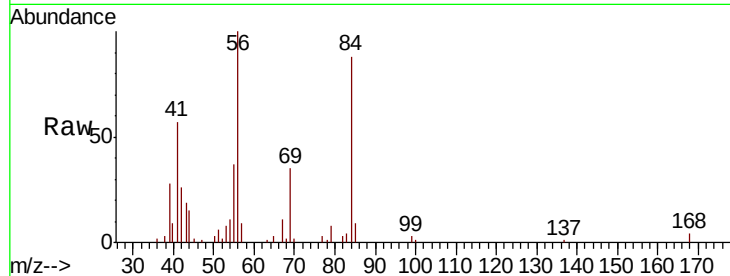




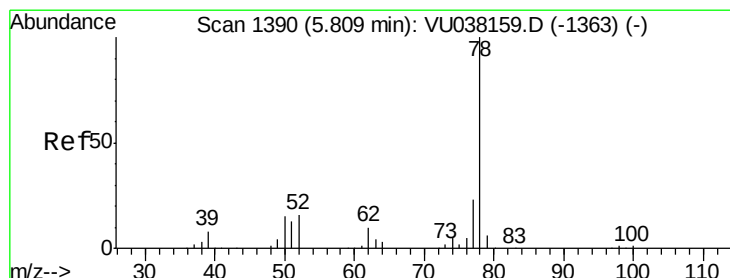
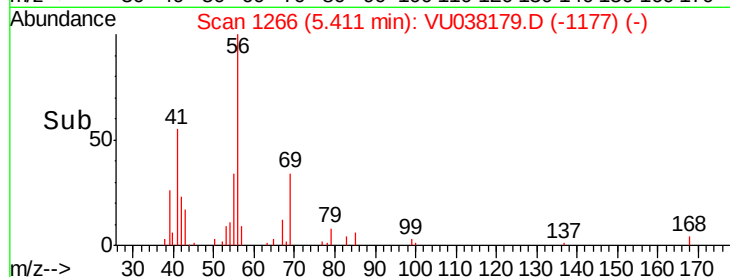
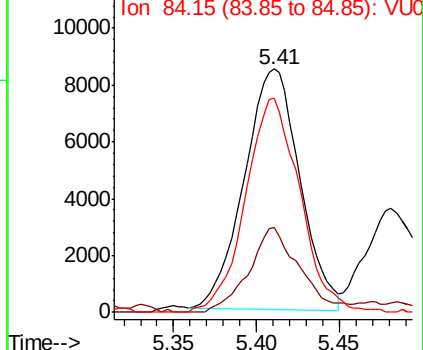
#30
Cyclohexane
Concen: 0.497 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VU038179.D
Acq: 14 May 2020 19:00

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 19722
Ion Ratio Lower Upper
56 100
69 32.5 24.2 36.4
84 87.3 68.5 102.7

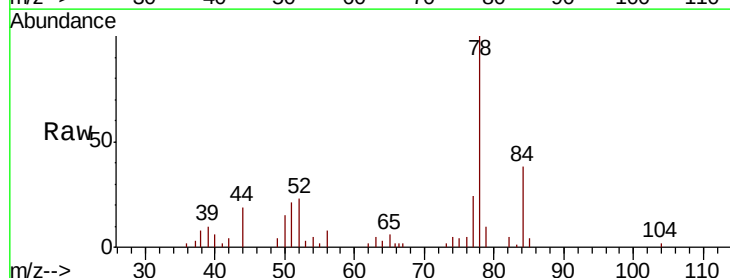


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

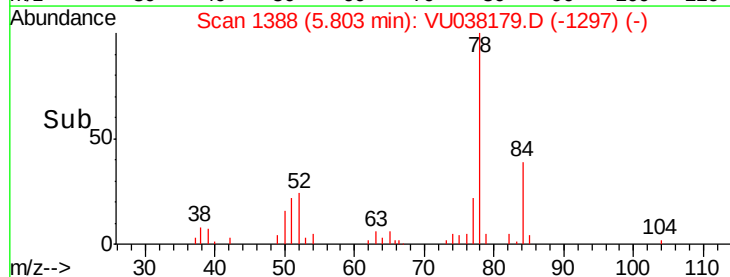
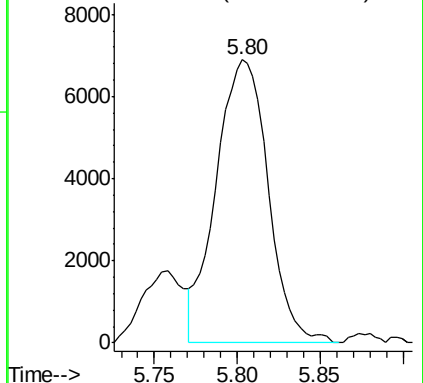


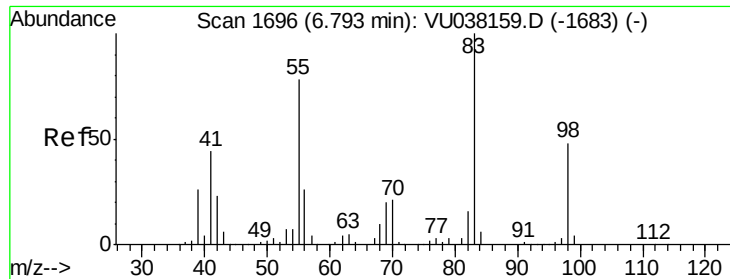
#33
Benzene
Concen: 0.160 ug/L
RT: 5.80 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VU038179.D
Acq: 14 May 2020 19:00

Tgt Ion: 78 Resp: 15039



Abundance Ion 78.10 (77.80 to 78.80): VU0

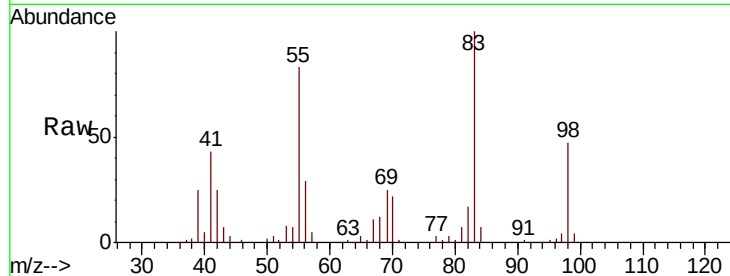




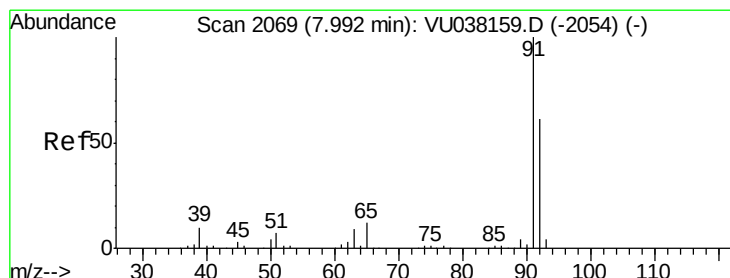
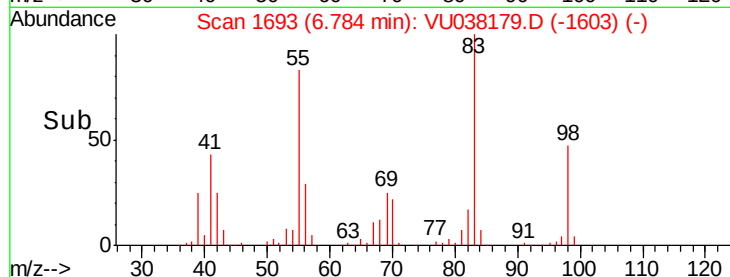
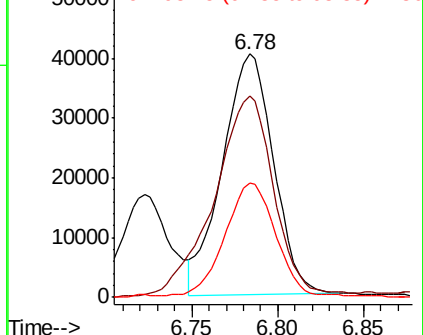
#35
Methylvlcyclohexane
Concen: 2.193 ug/L
RT: 6.78 min Scan# 1693
Delta R.T. -0.01 min
Lab File: VU038179.D
Acq: 14 May 2020 19:00

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 83533
Ion Ratio Lower Upper
83 100
55 98.2 66.7 100.1
98 45.8 39.4 59.2

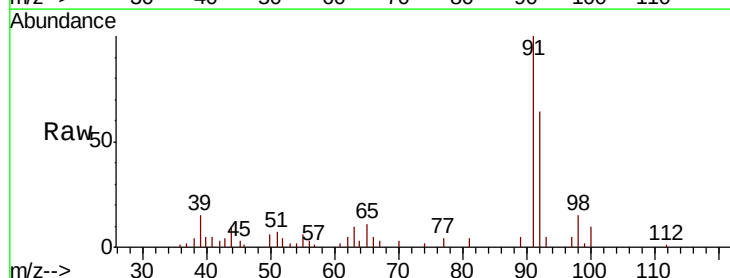


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

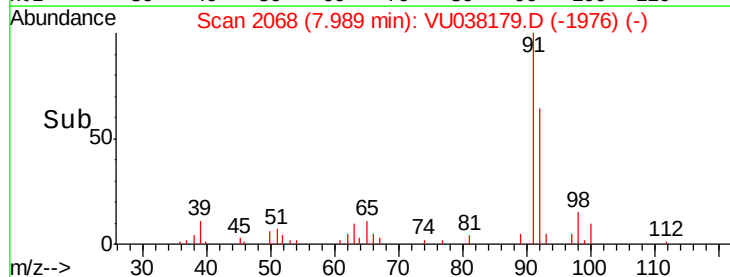
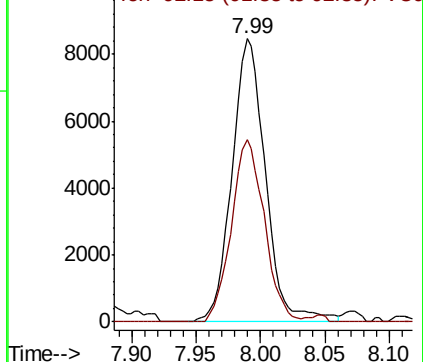


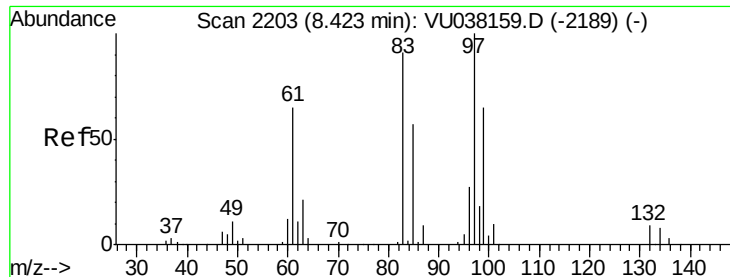
#42
Toluene
Concen: 0.154 ug/L
RT: 7.99 min Scan# 2068
Delta R.T. -0.00 min
Lab File: VU038179.D
Acq: 14 May 2020 19:00

Tgt Ion: 91 Resp: 15302
Ion Ratio Lower Upper
91 100
92 64.4 40.9 75.9



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

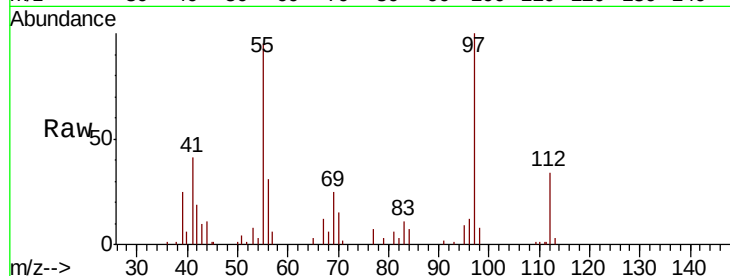




#45
 1,1,2-Trichloroethane
 Concen: 1.096 ug/L
 RT: 8.39 min Scan# 2192
 Delta R.T. -0.04 min
 Lab File: VU038179.D
 Acq: 14 May 2020 19:00

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.0	81.6#
83	10.7	59.6	110.8#
85	0.0	41.3	76.7#



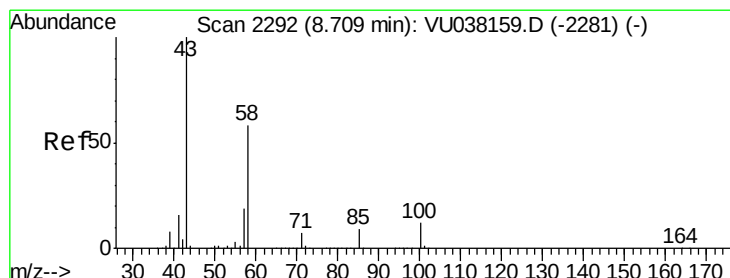
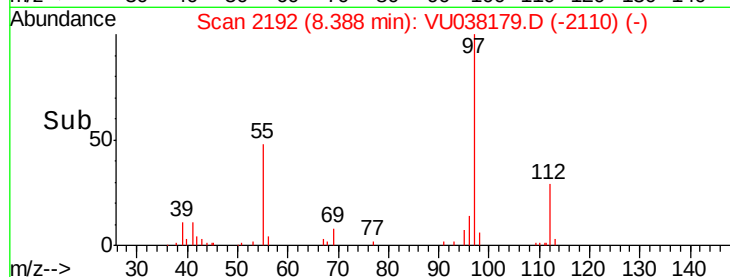
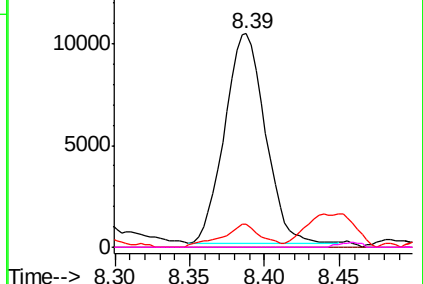
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

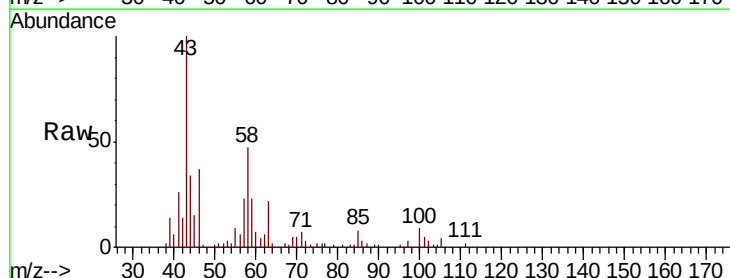
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#48
 2-Hexanone
 Concen: 2.643 ug/L
 RT: 8.72 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: VU038179.D
 Acq: 14 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.4	45.2	67.8
57	27.5	15.5	23.3#
100	9.8	9.5	14.3



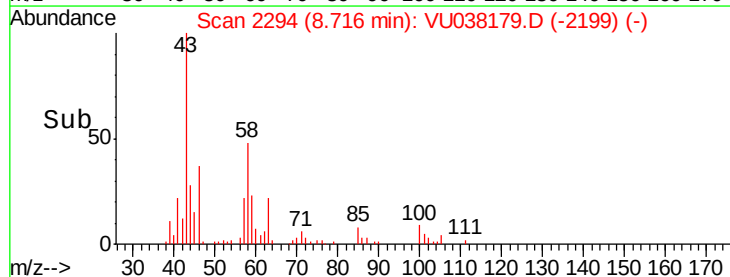
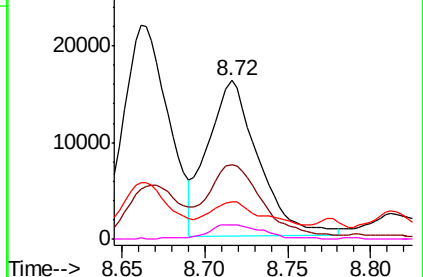
Abundance

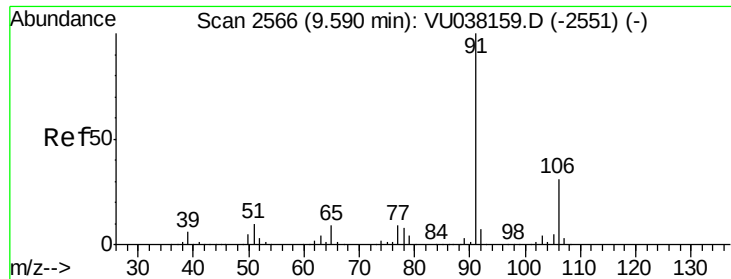
Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

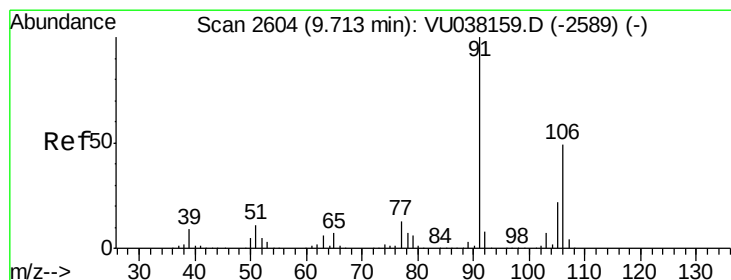
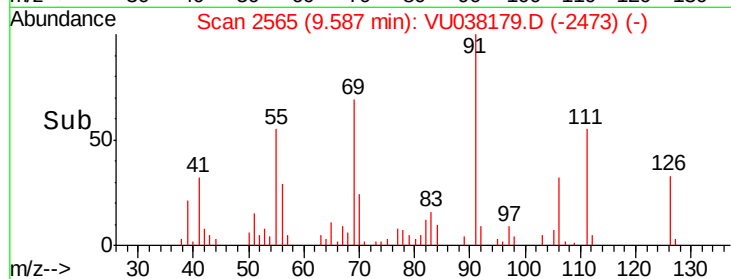
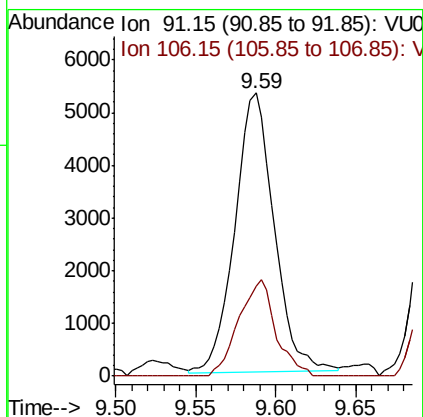
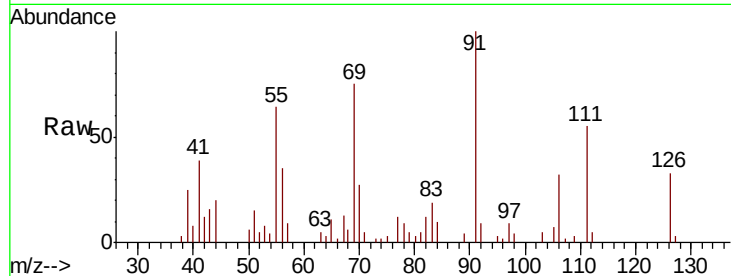




#52
Ethylbenzene
Concen: 0.082 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038179.D
Acq: 14 May 2020 19:00

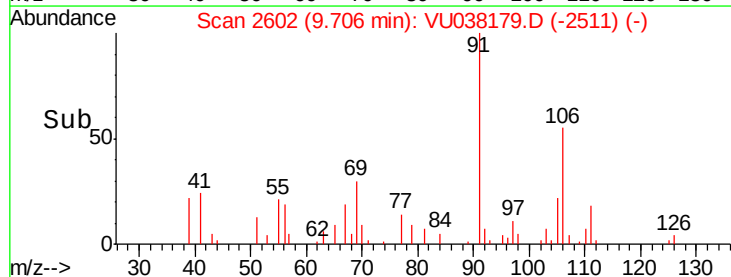
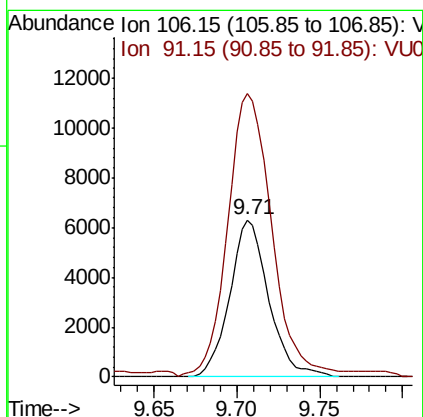
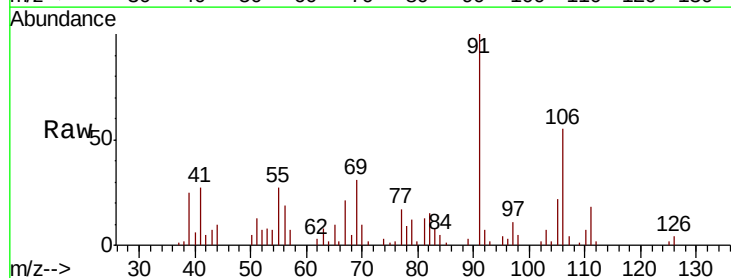
Instrument :
MSVOA_U
ClientSampled :

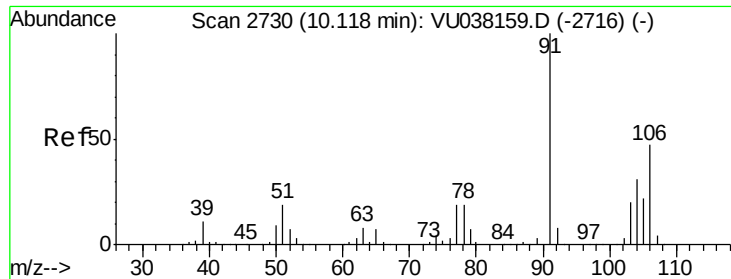
Tot Ion: 91 Resp: 8841
Ion Ratio Lower Upper
91 100
106 32.0 21.8 40.4



#53
m,p-Xylene
Concen: 0.250 ug/L
RT: 9.71 min Scan# 2602
Delta R.T. -0.01 min
Lab File: VU038179.D
Acq: 14 May 2020 19:00

Tgt Ion: 106 Resp: 10290
Ion Ratio Lower Upper
106 100
91 180.7 142.1 263.9

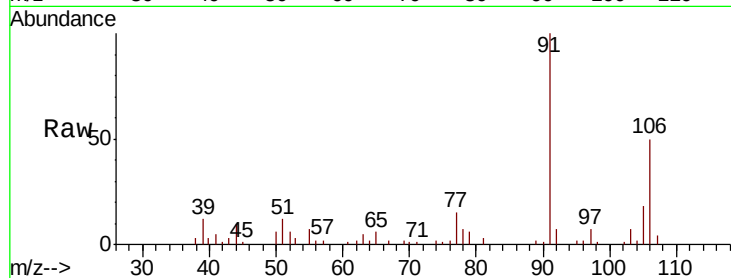




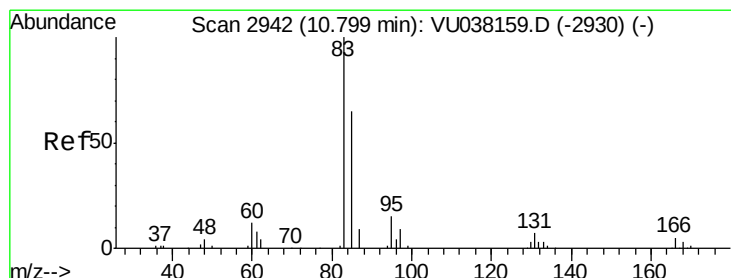
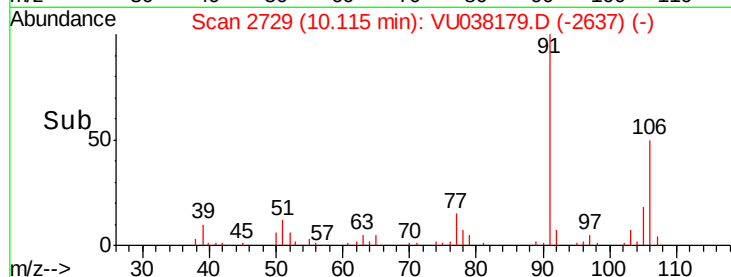
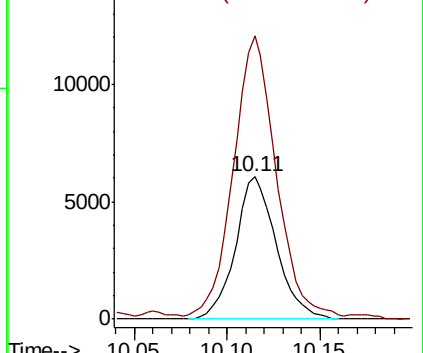
#54
o-Xylene
Concen: 0.232 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038179.D
Acq: 14 May 2020 19:00

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 9253
Ion Ratio Lower Upper
106 100
91 199.1 148.5 275.9

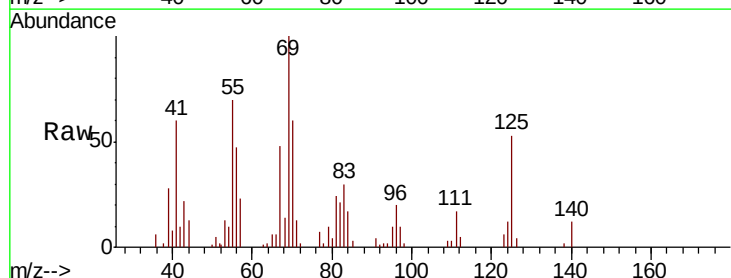


Abundance Ion 106.15 (105.85 to 106.85): VU038179.D (-2637) (-)
Ion 91.15 (90.85 to 91.85): VU038179.D (-2637) (-)

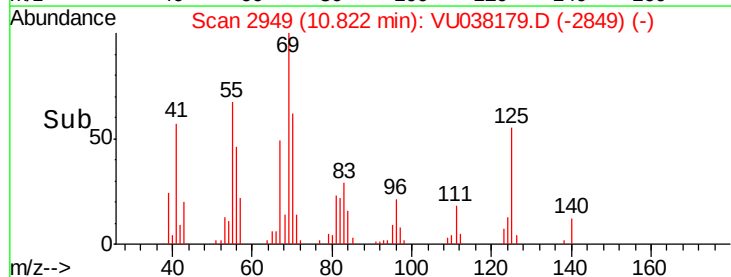
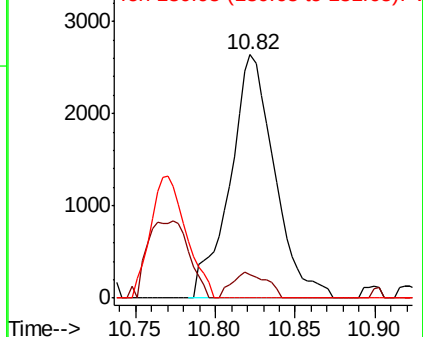


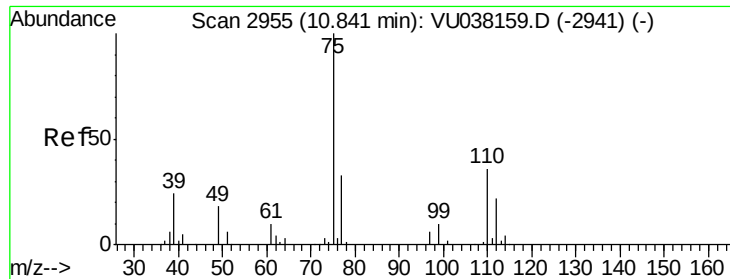
#58
1,1,2,2-Tetrachloroethane
Concen: 0.223 ug/L
RT: 10.82 min Scan# 2949
Delta R.T. 0.02 min
Lab File: VU038179.D
Acq: 14 May 2020 19:00

Tgt Ion: 83 Resp: 5012
Ion Ratio Lower Upper
83 100
85 9.7 47.0 87.2#
131 0.0 7.7 11.5#



Abundance Ion 82.95 (82.65 to 83.65): VU038179.D (-2849) (-)
Ion 85.00 (84.70 to 85.70): VU038179.D (-2849) (-)
Ion 130.95 (130.65 to 131.65): VU038179.D (-2849) (-)

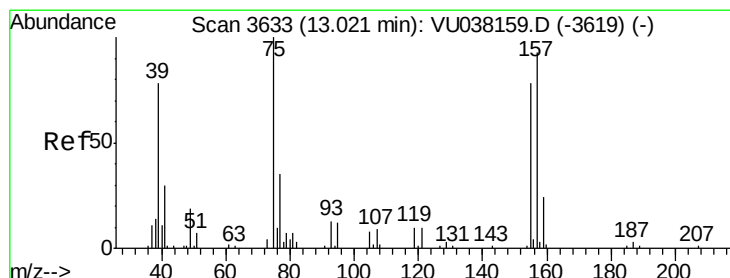
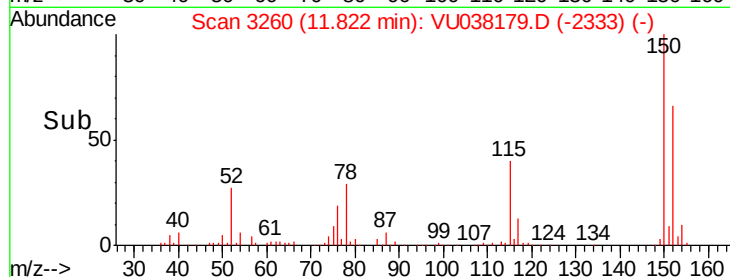
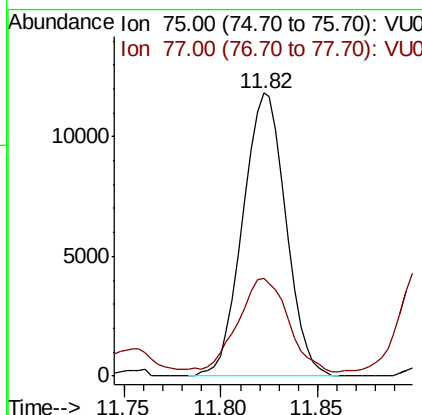
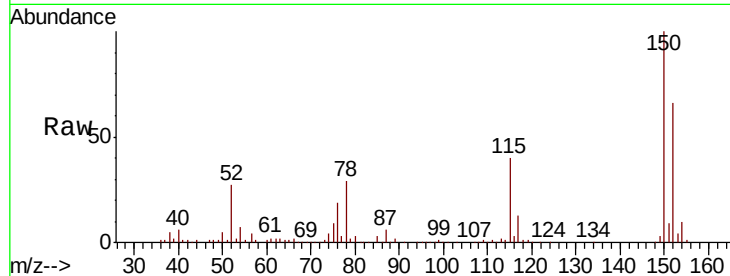




#59
 1,2,3-Trichloropropane
 Concen: 1.071 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038179.D
 Acq: 14 May 2020 19:00

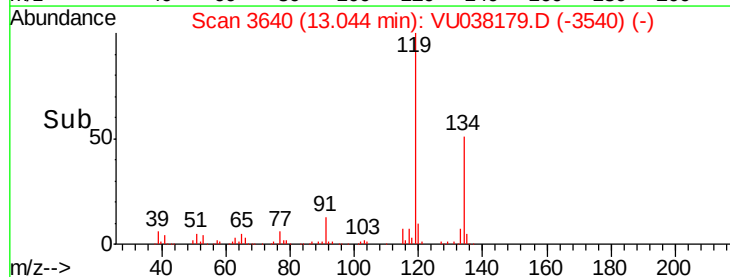
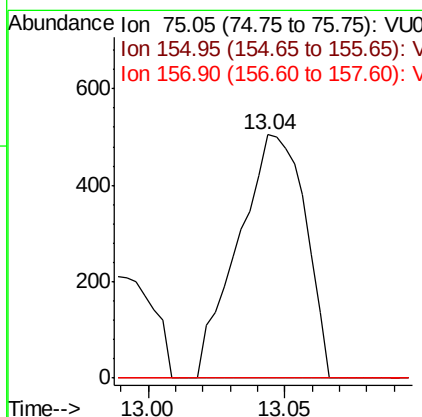
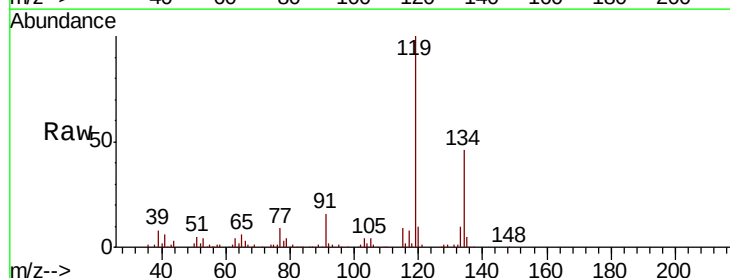
Instrument :
 MSVOA_U
 ClientSampled :

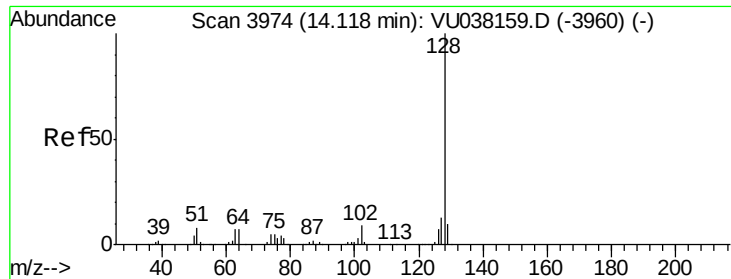
Tot Ion: 75 Resp: 18356
 Ion Ratio Lower Upper
 75 100
 77 38.1 25.4 38.0#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.245 ug/L
 RT: 13.04 min Scan# 3640
 Delta R.T. 0.02 min
 Lab File: VU038179.D
 Acq: 14 May 2020 19:00

Tgt Ion: 75 Resp: 860
 Ion Ratio Lower Upper
 75 100
 155 0.0 58.2 87.2#
 157 0.0 72.9 109.3#





#69

Naphthalene

Concen: 0.380 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038179.D

Acq: 14 May 2020 19:00

Instrument :

MSVOA_U

ClientSampleId :

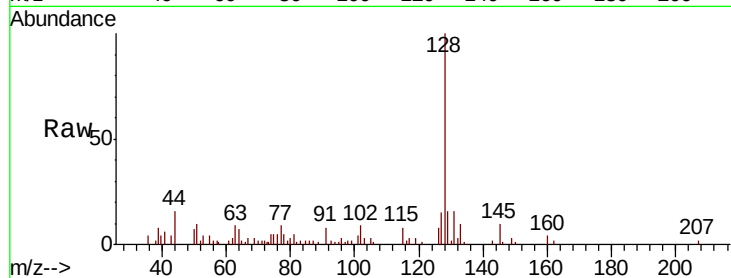
Tot Ion:128 Resp: 23544

Ion Ratio Lower Upper

128 100

129 7.1 8.7 13.1#

127 11.8 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

