

Data File : VU038030.D
Acq On : 07 May 2020 10:44
Operator : JC/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Quant Time: May 07 11:12:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 07 10:21:16 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	360357	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	355527	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	170428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	153630	5.63	ug/L	0.00
7) Chloroethane-d5	1.93	69	131294	5.71	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	255025	5.26	ug/L	0.00
20) 2-Butanone-d5	4.68	46	385327	51.45	ug/L	0.01
24) Chloroform-d	5.10	84	236826	5.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	133329	5.33	ug/L	0.00
32) Benzene-d6	5.76	84	500326	5.19	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	159345	5.10	ug/L	0.00
41) Toluene-d8	7.92	98	454726	5.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	65026	4.63	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	303361	42.20	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	126673	5.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	154054	5.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	151782	4.855 ug/L	100
3) Chloromethane	1.53	50	187755	4.858 ug/L	99
5) Vinyl chloride	1.62	62	181677	4.785 ug/L	98
6) Bromomethane	1.87	94	103294	4.738 ug/L	99
8) Chloroethane	1.95	64	109553	4.914 ug/L	99
9) Trichlorofluoromethane	2.16	101	186847	4.586 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	113991	4.805 ug/L	97
12) 1,1-Dichloroethene	2.60	96	116361	4.679 ug/L	93
13) Acetone	2.69	43	230521	46.687 ug/L	99
14) Carbon disulfide	2.82	76	407970	4.493 ug/L	99
15) Methyl Acetate	2.99	43	63767	4.645 ug/L	98
16) Methylene chloride	3.08	84	133627	4.766 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	318896	4.429 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	126315	4.685 ug/L	96
19) 1,1-Dichloroethane	3.91	63	247931	4.754 ug/L	98
21) 2-Butanone	4.76	43	411136	45.829 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	136986	4.703 ug/L	98
23) Bromochloromethane	5.01	128	58890	4.770 ug/L	98
25) Chloroform	5.13	83	231656	4.676 ug/L	98
27) 1,2-Dichloroethane	5.83	62	161439	4.821 ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	189055	4.382 ug/L	99
30) Cyclohexane	5.42	56	222766	4.172 ug/L	97
31) Carbon tetrachloride	5.56	117	152652	4.441 ug/L	98
33) Benzene	5.81	78	532211	4.531 ug/L	100
34) Trichloroethene	6.57	95	130459	4.519 ug/L	98
35) Methylcyclohexane	6.79	83	212418	4.199 ug/L	98
37) 1,2-Dichloropropane	6.82	63	142916	4.587 ug/L	99
38) Bromodichloromethane	7.13	83	164328	4.436 ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	207619	4.257 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	1003720	43.823 ug/L	98

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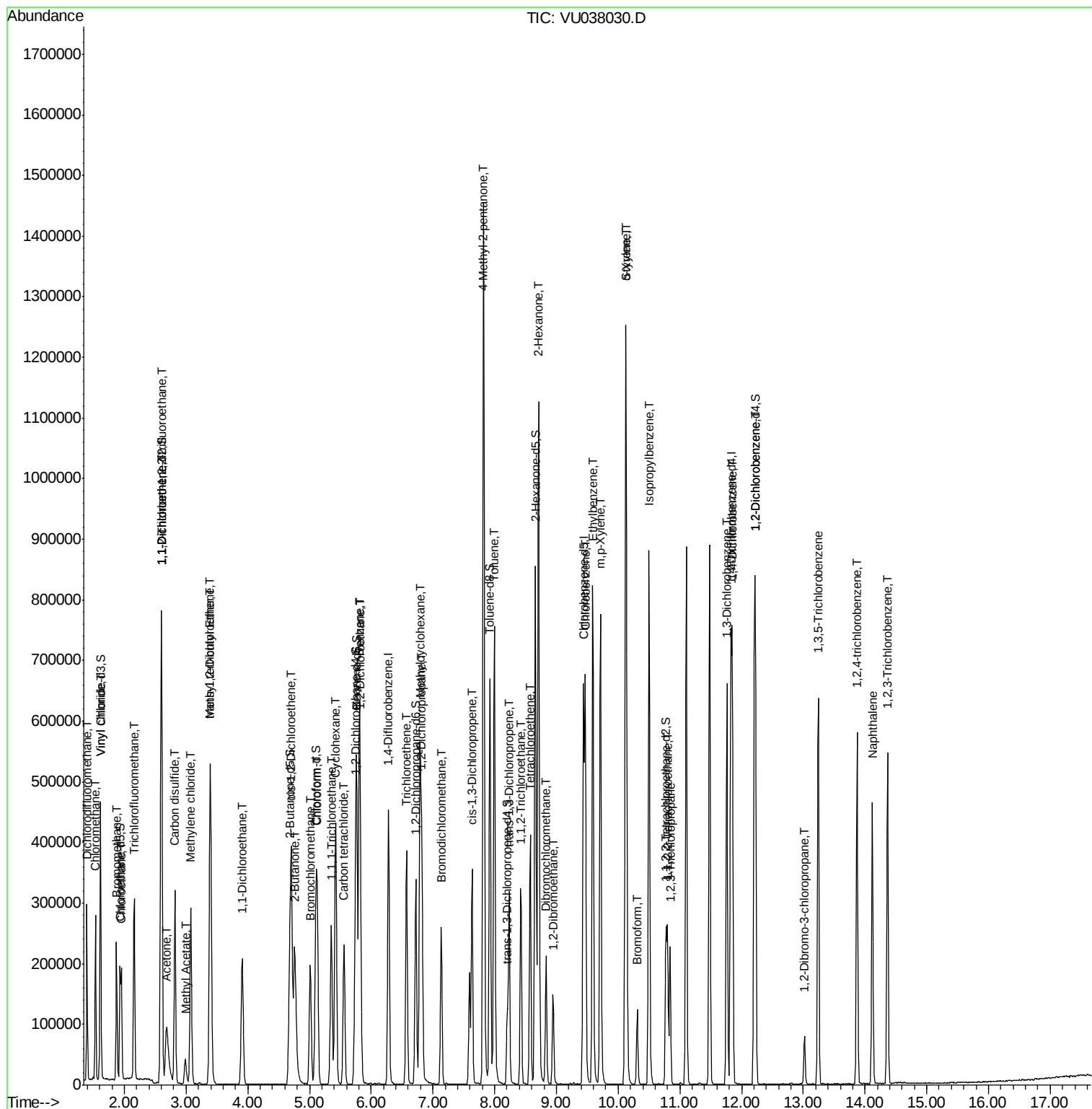
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	558960	4.543	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	173305	4.094	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	98473	4.691	ug/L	97
47) Tetrachloroethene	8.58	164	89417	4.310	ug/L	99
48) 2-Hexanone	8.71	43	738554	45.038	ug/L	98
49) Dibromochloromethane	8.83	129	103851	4.329	ug/L	96
50) 1,2-Dibromoethane	8.95	107	93155	4.614	ug/L	98
51) Chlorobenzene	9.47	112	343485	4.575	ug/L	100
52) Ethylbenzene	9.59	91	603592	4.409	ug/L	100
53) m,p-Xylene	9.71	106	230737	4.453	ug/L	98
54) o-Xylene	10.12	106	224834	4.409	ug/L	98
55) Styrene	10.13	104	380084	4.360	ug/L	100
56) Isopropylbenzene	10.50	105	579804	4.335	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	125118	4.578	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	96378	4.727	ug/L	100
61) Bromoform	10.31	173	53431	3.946	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	258930	4.536	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	266044	4.648	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	249162	4.637	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	20339	4.083	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	187483	4.479	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	170580	4.440	ug/L	98
69) Naphthalene	14.12	128	361223	4.642	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	160864	4.699	ug/L	99

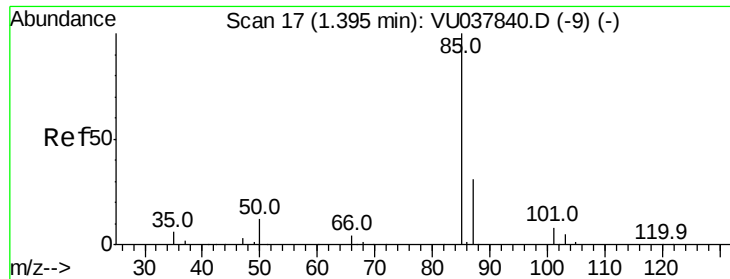
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.855 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038030.D

Acq: 07 May 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

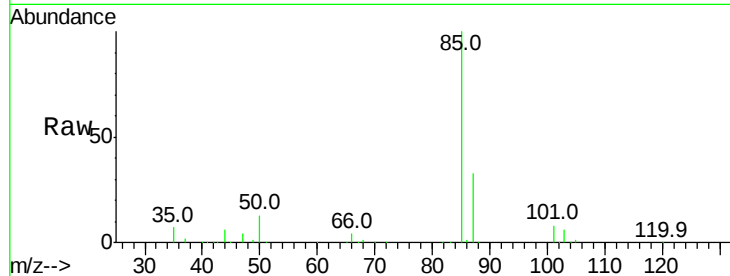
VSTD00502

Tgt Ion: 85 Resp: 151782

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037840.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037840.D (-9) (-)

1.39

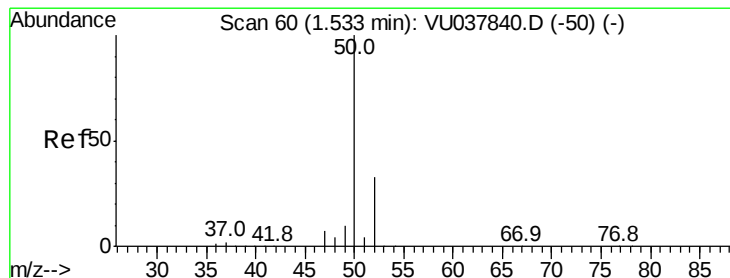
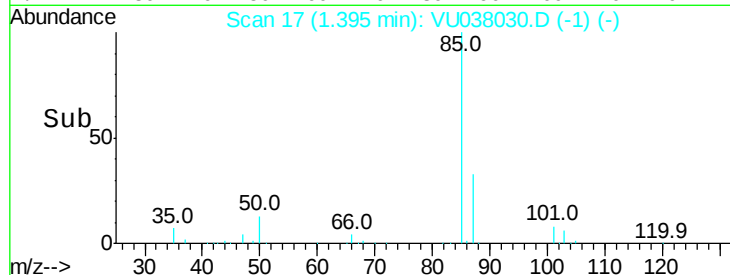
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.858 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038030.D

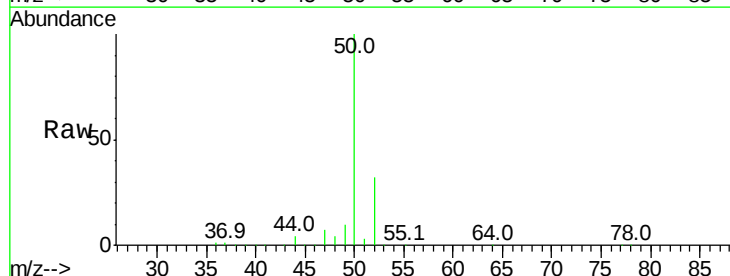
Acq: 07 May 2020 10:44

Tgt Ion: 50 Resp: 187755

Ion Ratio Lower Upper

50 100

52 32.1 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037840.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU037840.D (-50) (-)

1.53

200000

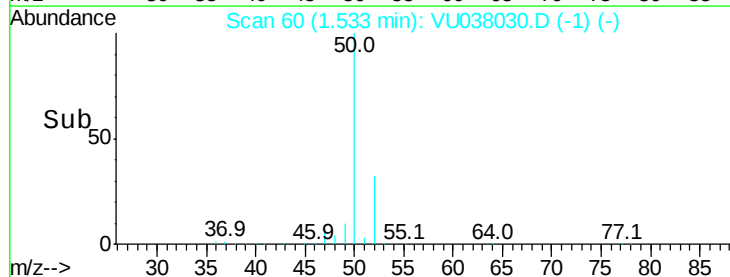
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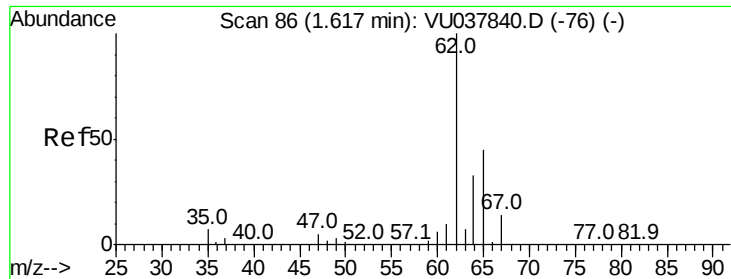
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50000

0

Time-->





#5

Vinyl chloride

Concen: 4.785 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038030.D

Acq: 07 May 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

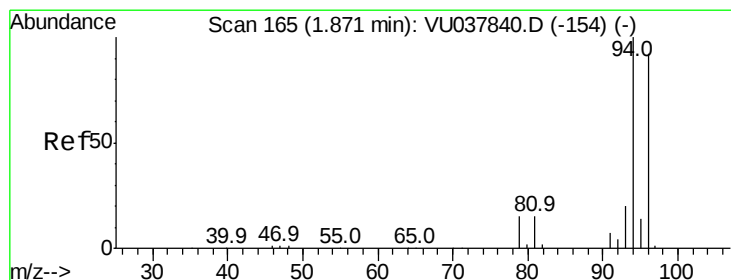
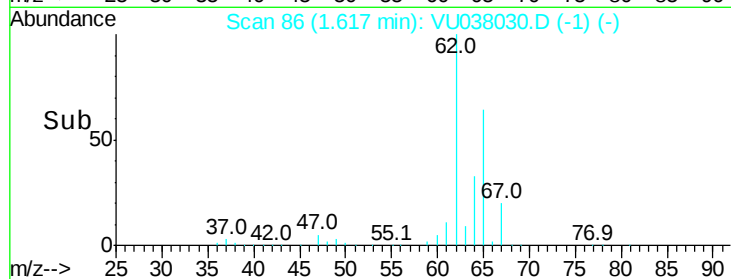
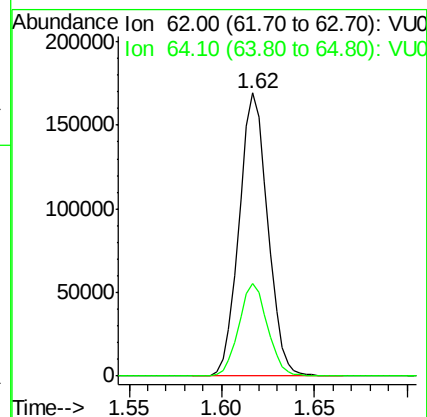
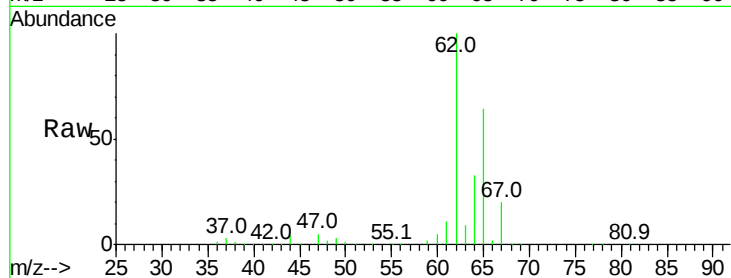
VSTD00502

Tgt Ion: 62 Resp: 181677

Ion Ratio Lower Upper

62 100

64 32.6 22.1 41.1



#6

Bromomethane

Concen: 4.738 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038030.D

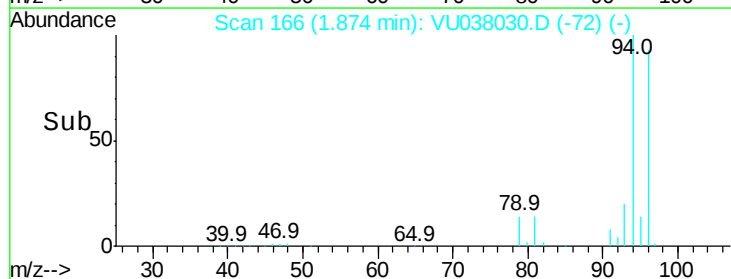
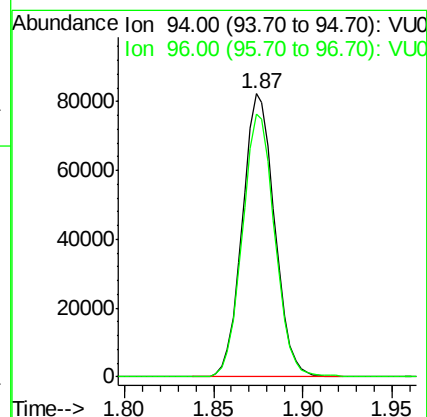
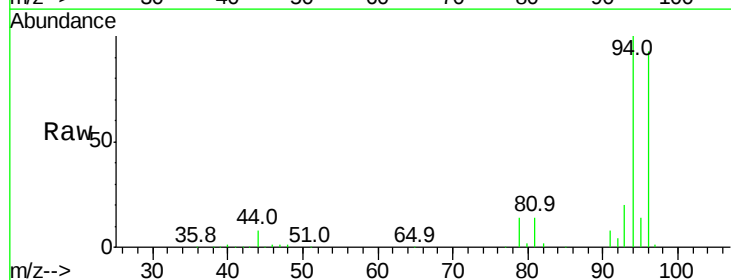
Acq: 07 May 2020 10:44

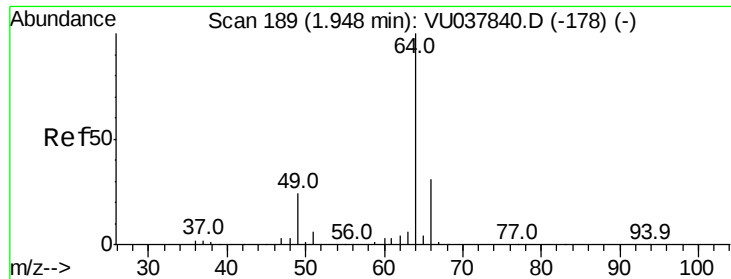
Tgt Ion: 94 Resp: 103294

Ion Ratio Lower Upper

94 100

96 92.9 64.4 119.6

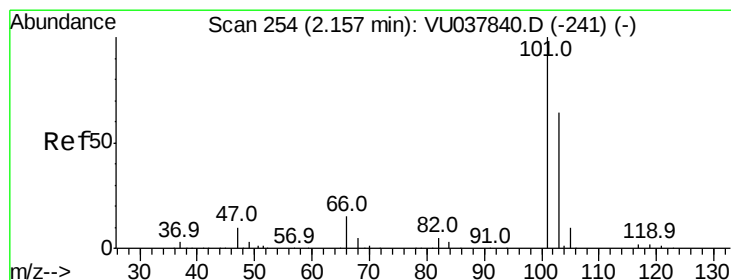
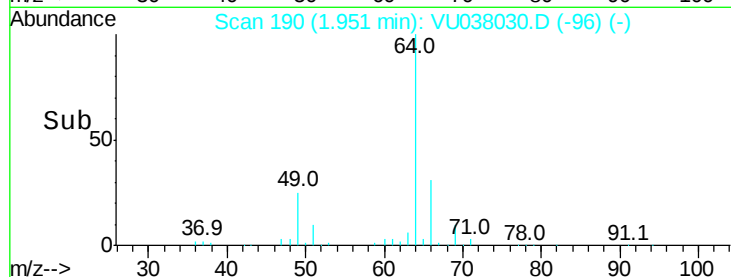
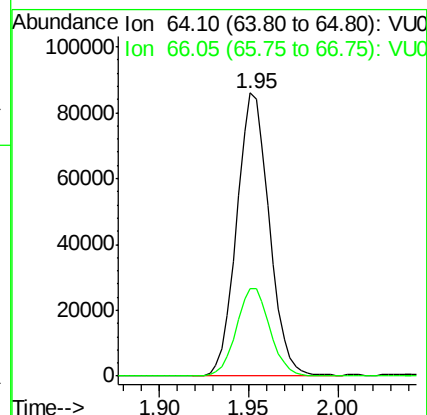
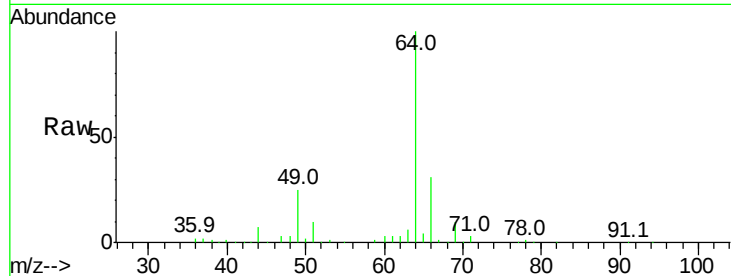




#8
Chloroethane
Concen: 4.914 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038030.D
Acq: 07 May 2020 10:44

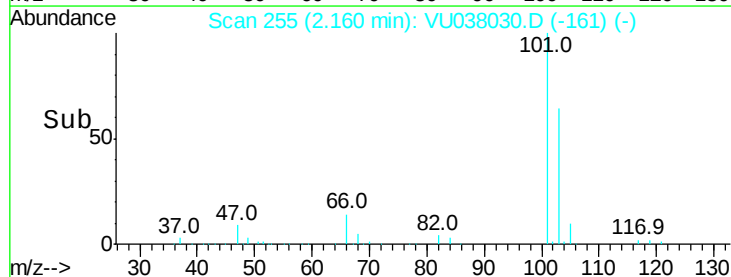
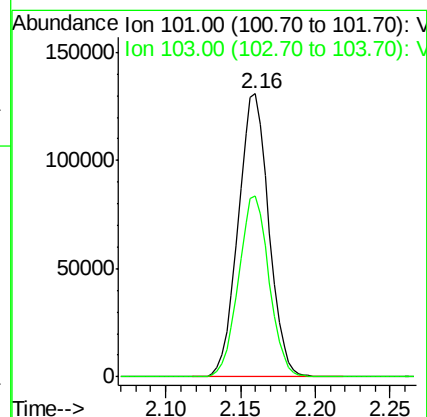
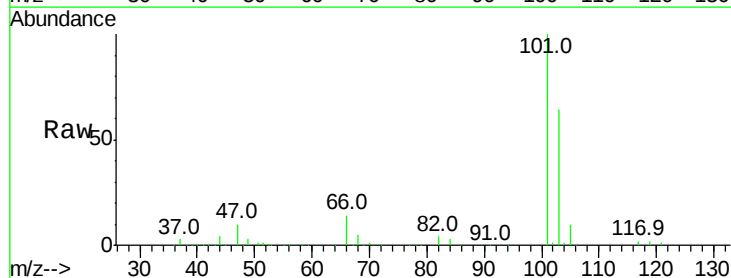
Instrument :
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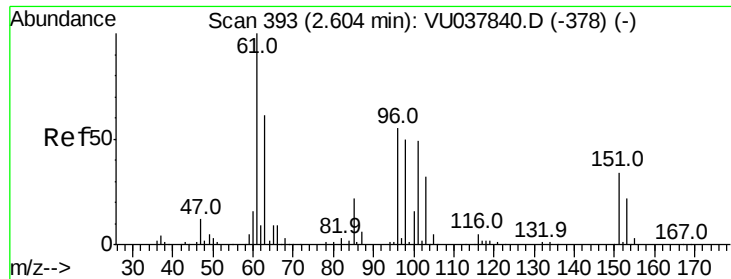
Tgt Ion: 64 Resp: 109553
Ion Ratio Lower Upper
64 100
66 31.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.586 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038030.D
Acq: 07 May 2020 10:44

Tgt Ion: 101 Resp: 186847
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.805 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038030.D

Acq: 07 May 2020 10:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

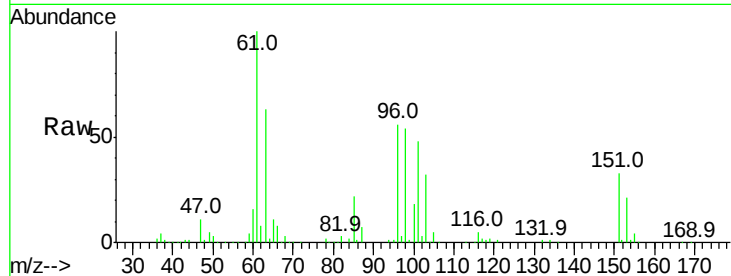
Tgt Ion:101 Resp: 113991

Ion Ratio Lower Upper

101 100

85 44.1 34.5 51.7

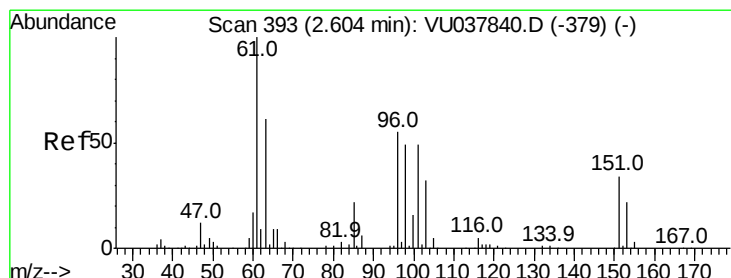
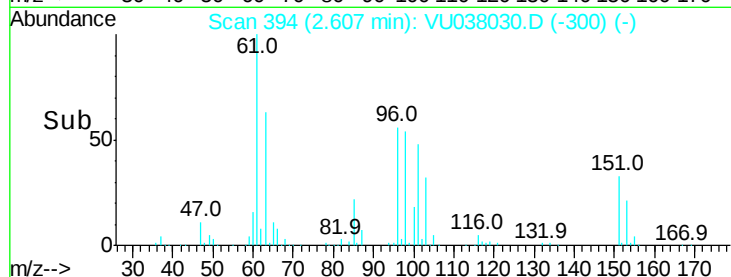
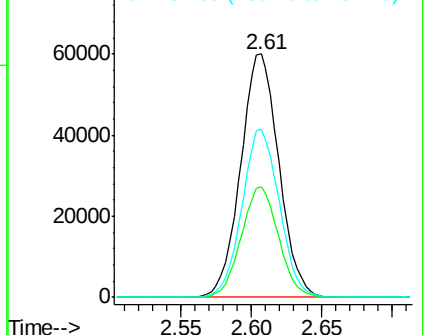
151 67.7 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.679 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038030.D

Acq: 07 May 2020 10:44

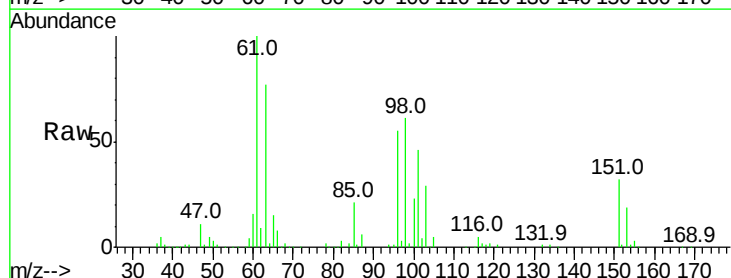
Tgt Ion: 96 Resp: 116361

Ion Ratio Lower Upper

96 100

61 180.3 127.7 237.3

63 138.4 85.0 157.8



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

