

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102820\
 Data File : VU040995.D
 Acq On : 28 Oct 2020 12:32
 Operator : SY/MD
 Sample : VSTD02006
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Quant Time: Oct 29 01:30:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 01:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	66904	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65561	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	34072	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	96500	21.67	ug/L	0.00
7) Chloroethane-d5	1.92	69	79959	21.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	46531	20.62	ug/L	0.00
20) 2-Butanone-d5	4.66	46	393980	232.11	ug/L	0.00
24) Chloroform-d	5.08	84	190656	21.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	113169	20.33	ug/L	0.00
32) Benzene-d6	5.74	84	346755	20.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	115607	20.44	ug/L	0.00
41) Toluene-d8	7.91	98	312281	20.69	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	52516	22.77	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	318819	266.17	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	106536	22.00	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	118261	20.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	110983	16.387	ug/L 98
3) Chloromethane	1.53	50	113462	16.890	ug/L 99
5) Vinyl chloride	1.61	62	116828	17.557	ug/L 100
6) Bromomethane	1.87	94	63202	17.813	ug/L 95
8) Chloroethane	1.94	64	71612	18.135	ug/L 97
9) Trichlorofluoromethane	2.15	101	157953	17.592	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	94918	17.342	ug/L 98
12) 1,1-Dichloroethene	2.59	96	88913	17.330	ug/L 87
13) Acetone	2.68	43	243211	193.285	ug/L 66
14) Carbon disulfide	2.81	76	289125	16.402	ug/L 98
15) Methyl Acetate	2.97	43	56512	18.094	ug/L 97
16) Methylene chloride	3.06	84	98592	15.357	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	253339	18.881	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	92900	17.404	ug/L 100
19) 1,1-Dichloroethane	3.89	63	182414	17.197	ug/L 100
21) 2-Butanone	4.74	43	402991	195.249	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	99555	17.728	ug/L 98
23) Bromochloromethane	4.99	128	46558	17.552	ug/L 99
25) Chloroform	5.11	83	186989	17.559	ug/L 100
27) 1,2-Dichloroethane	5.81	62	137631	17.867	ug/L 98
29) 1,1,1-Trichloroethane	5.33	97	160479	17.743	ug/L 99
30) Cyclohexane	5.40	56	172187	17.960	ug/L 99
31) Carbon tetrachloride	5.54	117	138077	17.917	ug/L 97
33) Benzene	5.79	78	391930	17.657	ug/L 100
34) Trichloroethene	6.55	95	99512	17.354	ug/L 100
35) Methylcyclohexane	6.77	83	166350	18.806	ug/L 94
37) 1,2-Dichloropropane	6.80	63	106068	17.031	ug/L 99
38) Bromodichloromethane	7.11	83	135993	18.010	ug/L 97
39) cis-1,3-Dichloropropene	7.62	75	158296	18.942	ug/L 99
40) 4-Methyl-2-pentanone	7.80	43	901667	192.501	ug/L 97

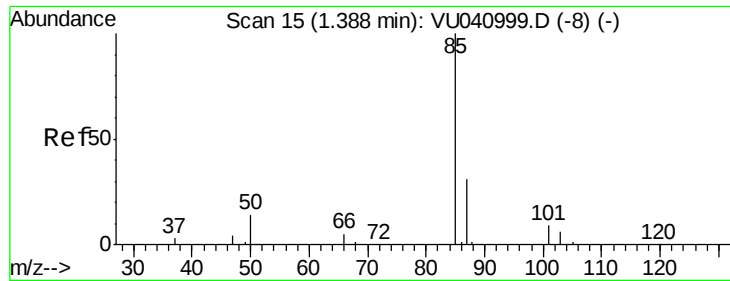
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
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 QLast Update : Thu Oct 29 01:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	405636	18.065	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	145045	18.786	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	76044	17.960	ug/L	97
47) Tetrachloroethene	8.56	164	72639	17.450	ug/L	97
48) 2-Hexanone	8.69	43	672200	196.327	ug/L	97
49) Dibromochloromethane	8.82	129	90308	18.563	ug/L	99
50) 1,2-Dibromoethane	8.93	107	73613	18.035	ug/L	96
51) Chlorobenzene	9.45	112	249632	17.308	ug/L	99
52) Ethylbenzene	9.57	91	454791	18.574	ug/L	100
53) m,p-Xylene	9.69	106	166843	18.910	ug/L	98
54) o-Xylene	10.10	106	157775	18.576	ug/L	99
55) Styrene	10.11	104	282790	19.278	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	103084	18.484	ug/L	95
59) Bromoform	10.29	173	50741	18.492	ug/L	97
60) Isopropylbenzene	10.48	105	431515	18.642	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	76089	17.372	ug/L	96
62) 1,3,5-Trimethylbenzene	11.09	105	368391	19.856	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	378256	20.063	ug/L	97
64) 1,3-Dichlorobenzene	11.74	146	199039	17.264	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	203410	17.089	ug/L	100
67) 1,2-Dichlorobenzene	12.21	146	192868	17.776	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	19049	18.474	ug/L	99
69) 1,3,5-Trichlorobenzene	13.21	180	144887	17.943	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	129269	19.822	ug/L	97
71) Naphthalene	14.08	128	274445	24.459	ug/L	98
72) 1,2,3-Trichlorobenzene	14.32	180	121895	20.715	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 16.387 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

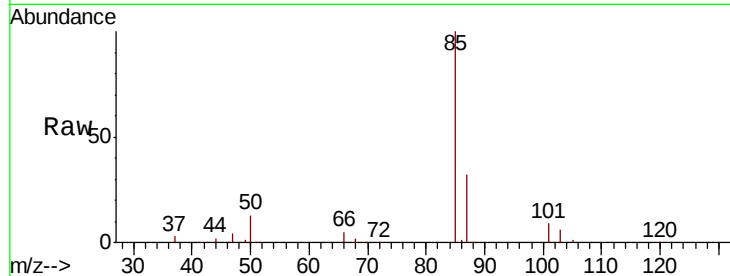
VSTD02006

Tot Ion: 85 Resp: 110983

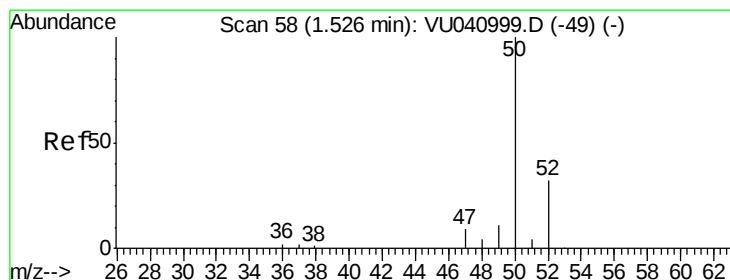
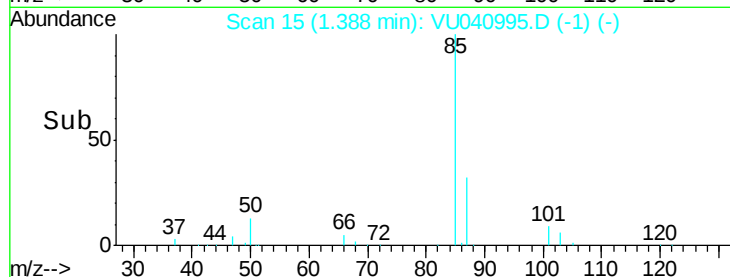
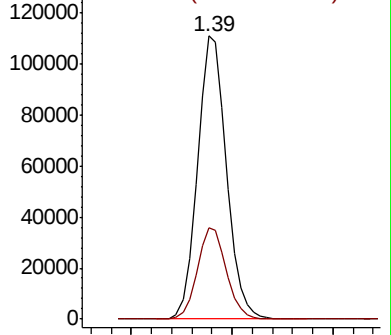
Ion Ratio Lower Upper

85 100

87 32.4 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU040995.D (-8) (-)



#3

Chloromethane

Concen: 16.890 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040995.D

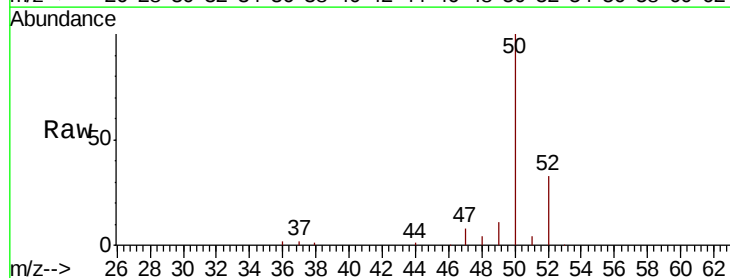
Acq: 28 Oct 2020 12:32

Tgt Ion: 50 Resp: 113462

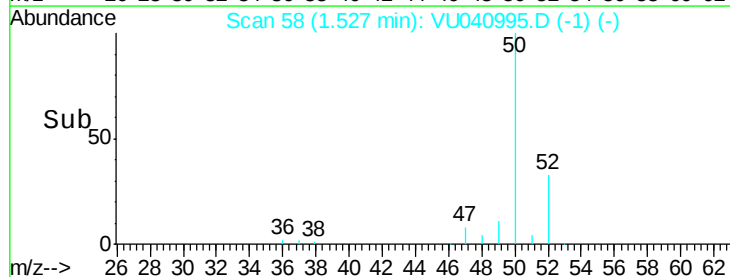
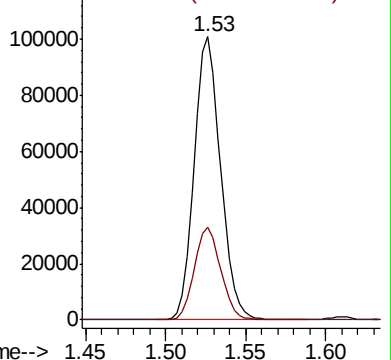
Ion Ratio Lower Upper

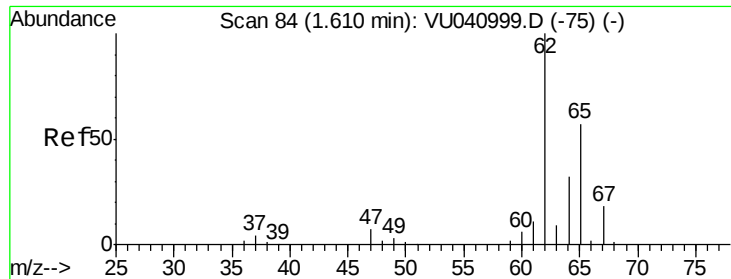
50 100

52 32.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU040995.D (-49) (-)





#5

Vinyl chloride

Concen: 17.557 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

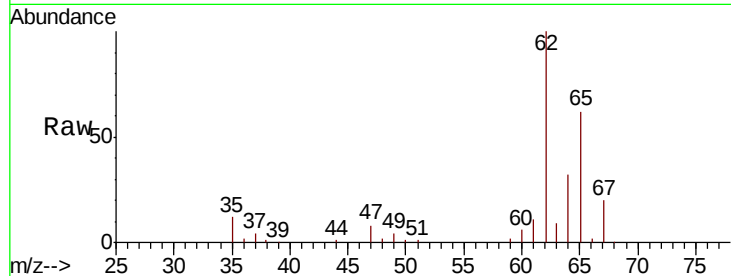
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tot Ion: 62 Resp: 116828

Ion Ratio Lower Upper

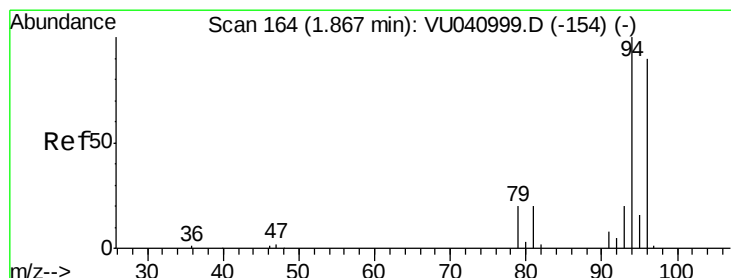
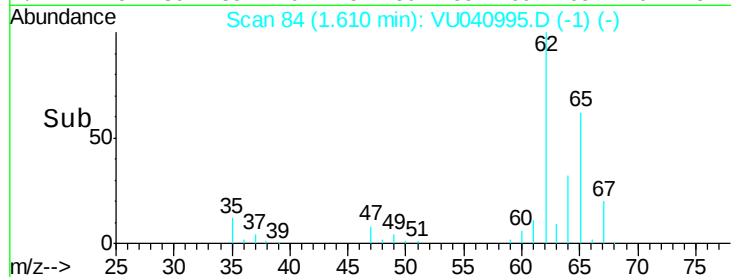
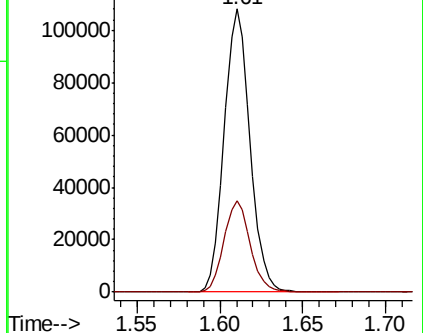
62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU040995.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040995.D (-75) (-)



#6

Bromomethane

Concen: 17.813 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040995.D

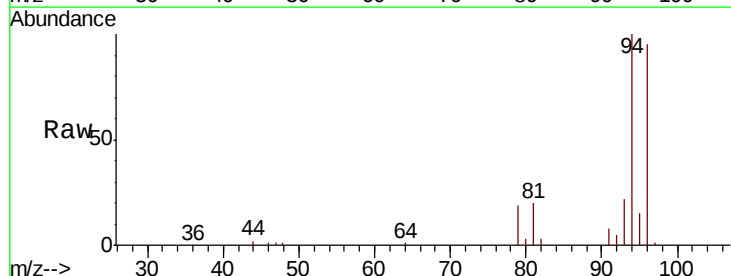
Acq: 28 Oct 2020 12:32

Tgt Ion: 94 Resp: 63202

Ion Ratio Lower Upper

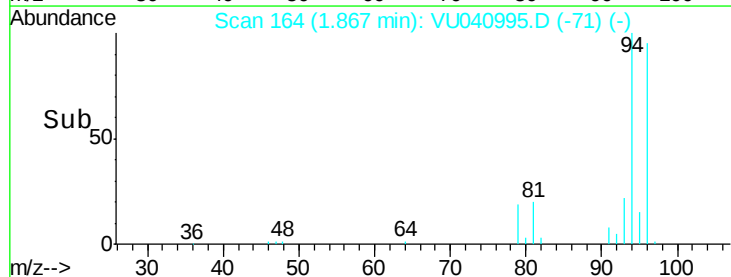
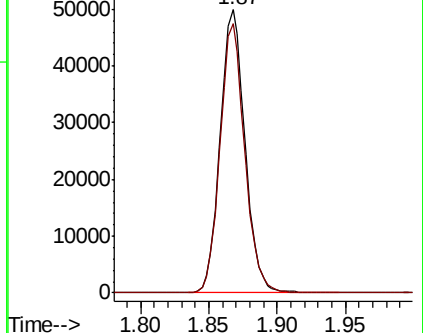
94 100

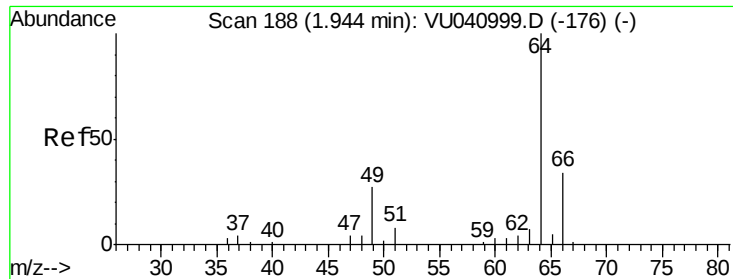
96 95.4 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU040995.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040995.D (-154) (-)

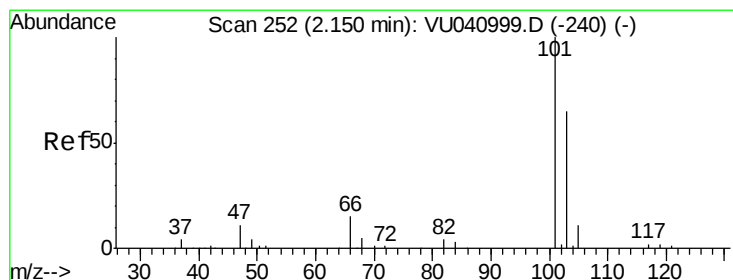
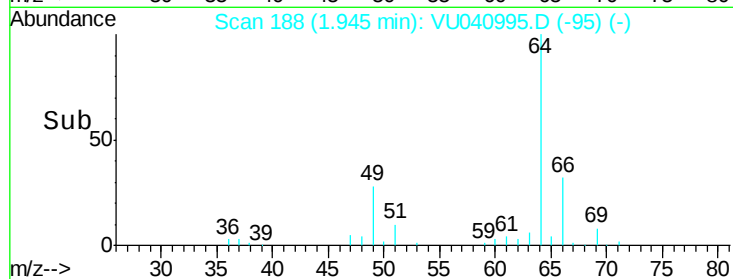
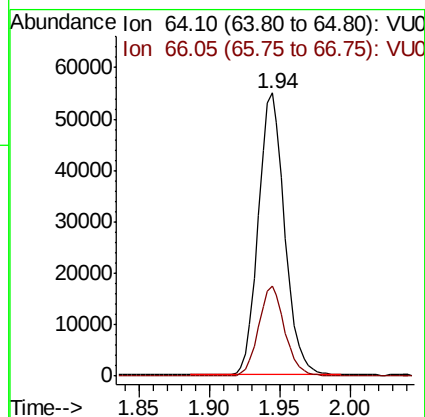
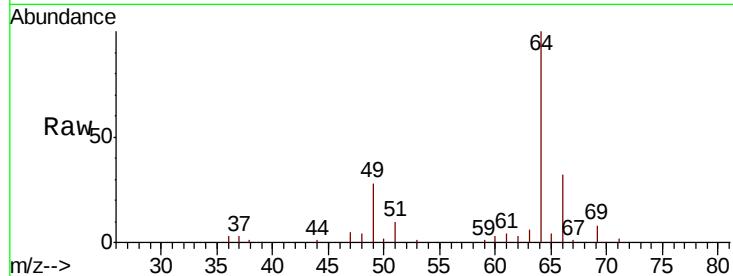




#8
 Chloroethane
 Concen: 18.135 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

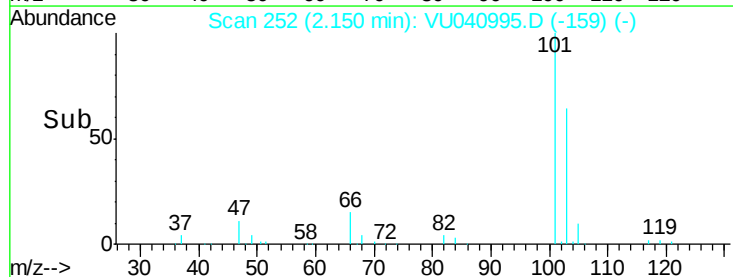
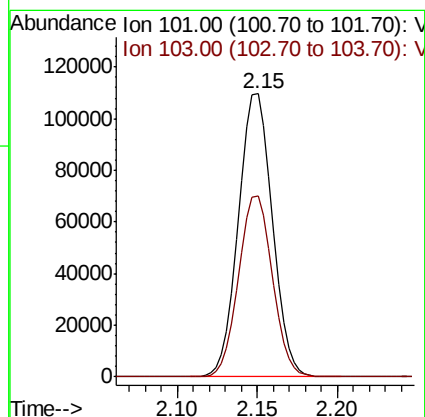
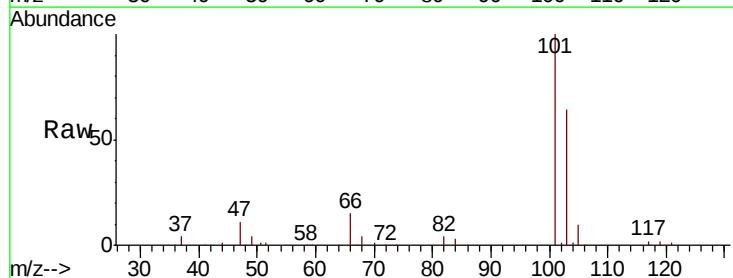
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 ClientSampleId :
 VSTD02006

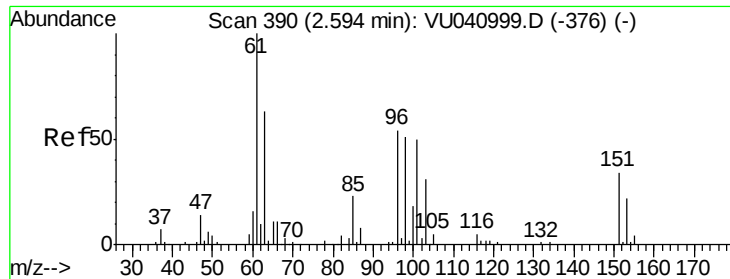
Tot Ion: 64 Resp: 71612
 Ion Ratio Lower Upper
 64 100
 66 31.6 23.4 43.6



#9
 Trichlorofluoromethane
 Concen: 17.592 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Tgt Ion: 101 Resp: 157953
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.0 76.4





#10

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

Concen: 17.342 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

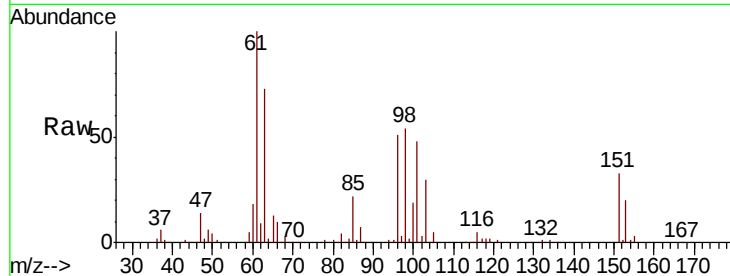
Tot Ion:101 Resp: 94918

Ion Ratio Lower Upper

101 100

85 45.7 38.1 57.1

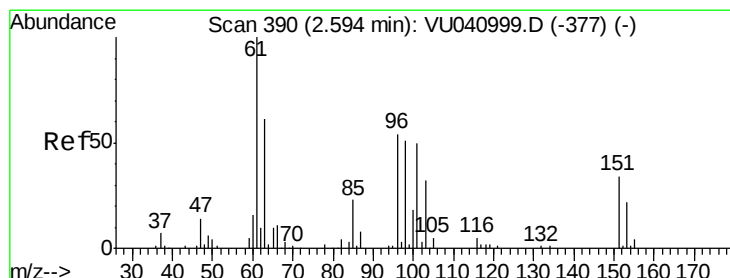
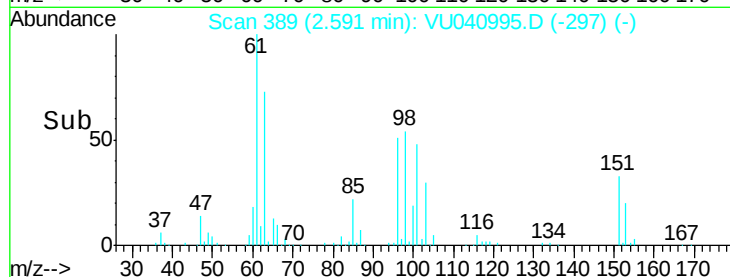
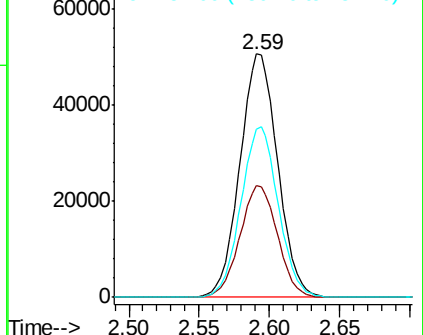
151 69.4 56.0 84.0



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: 17.330 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

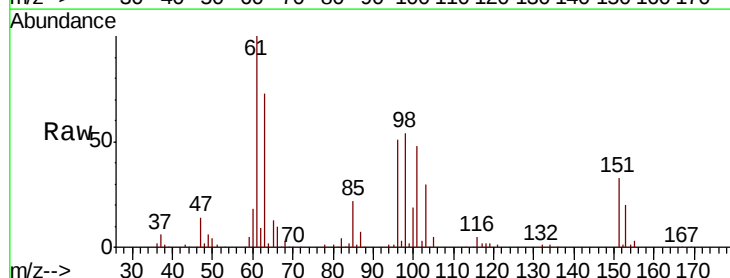
Tgt Ion: 96 Resp: 88913

Ion Ratio Lower Upper

96 100

61 196.6 130.2 241.8

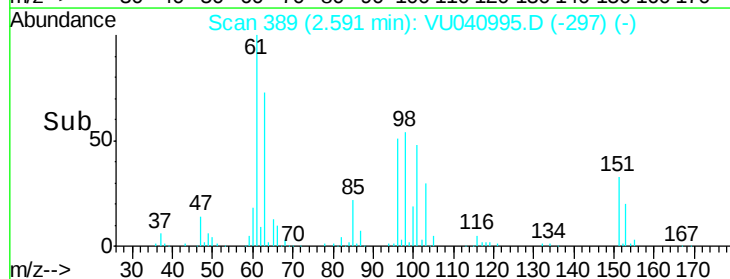
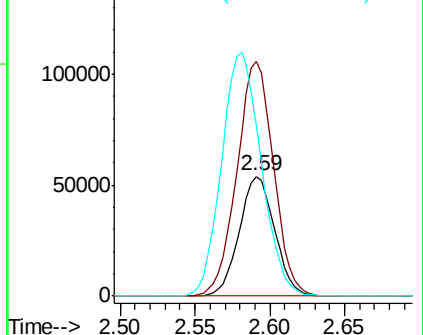
63 142.6 83.7 155.5

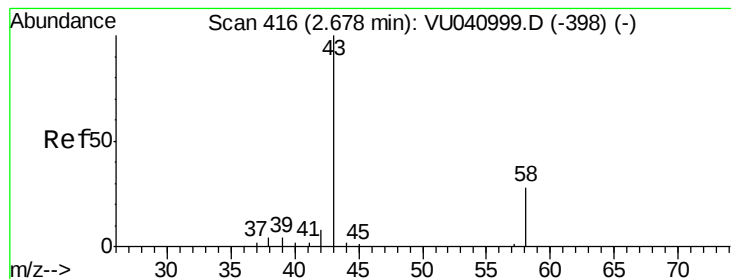


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 193.285 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

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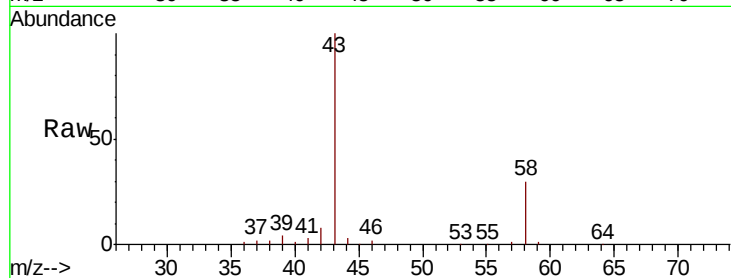
VSTD02006

Tot Ion: 43 Resp: 243211

Ion Ratio Lower Upper

43 100

58 29.7 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU040995.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU040995.D (-323) (-)

2.68

40000

30000

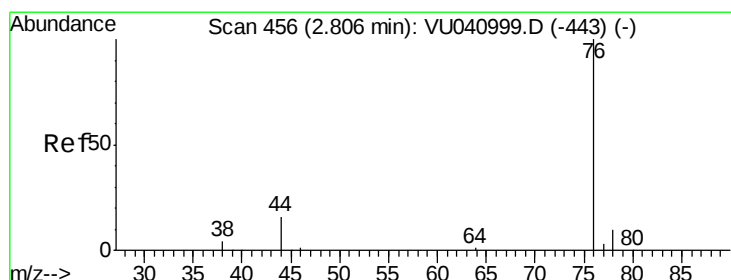
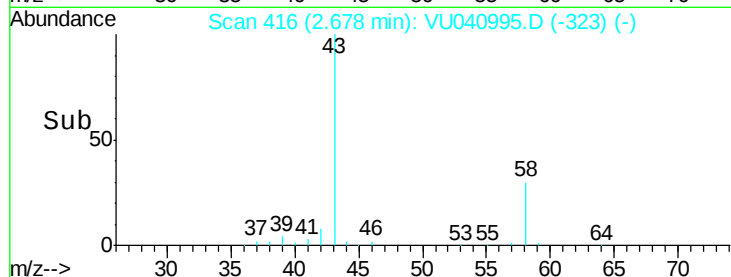
20000

10000

0

Time-->

2.60 2.80 3.00



#14

Carbon disulfide

Concen: 16.402 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040995.D

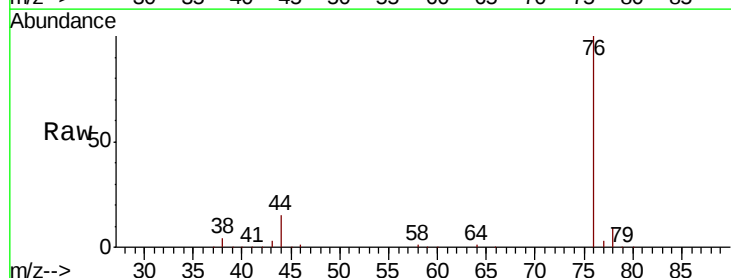
Acq: 28 Oct 2020 12:32

Tgt Ion: 76 Resp: 289125

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU040995.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040995.D (-363) (-)

2.81

200000

150000

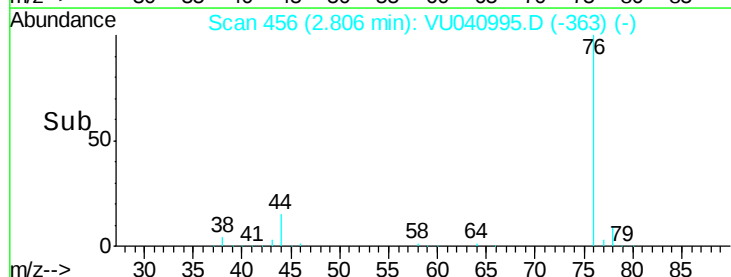
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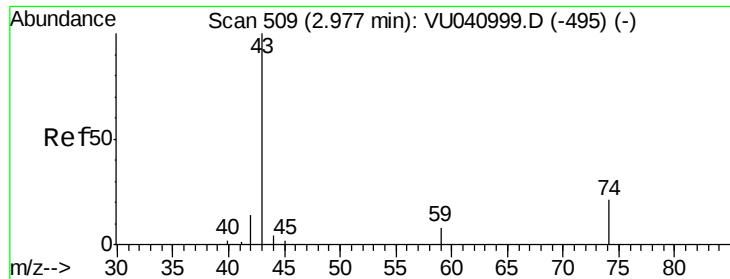
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Time-->

2.70 2.80 2.90

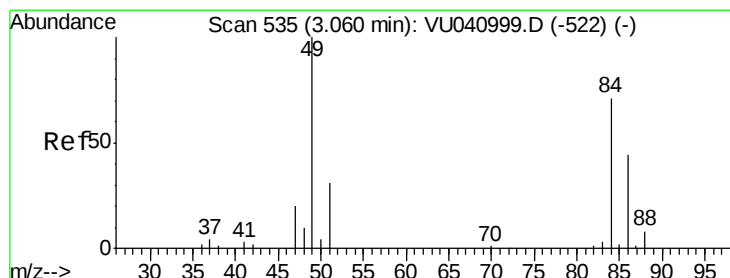
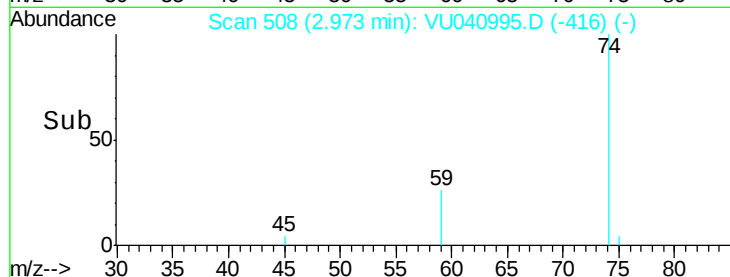
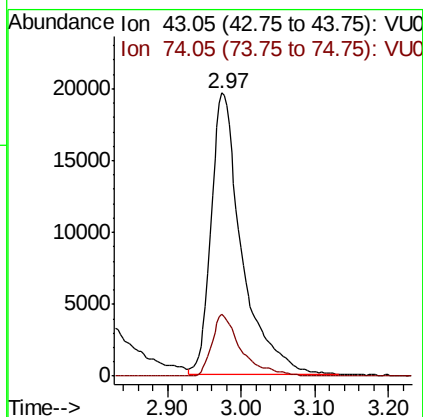
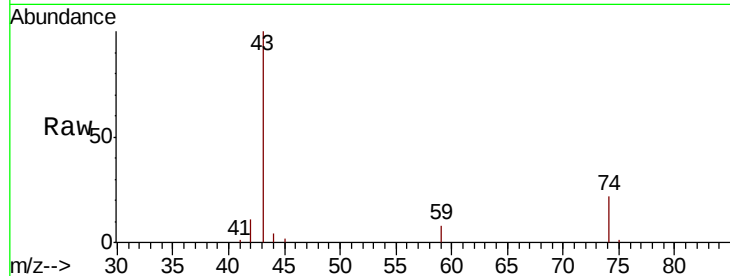




#15
Methvl Acetate
Concen: 18.094 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU040995.D
Acq: 28 Oct 2020 12:32

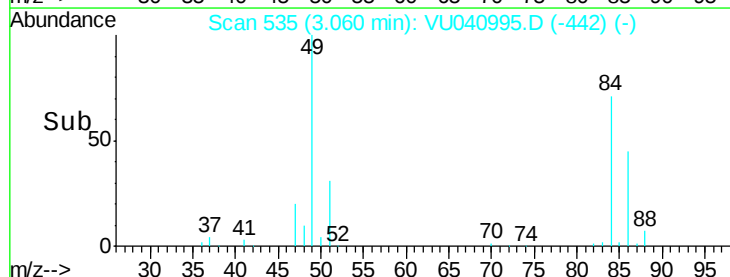
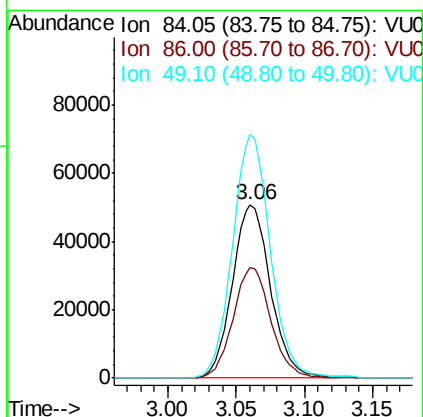
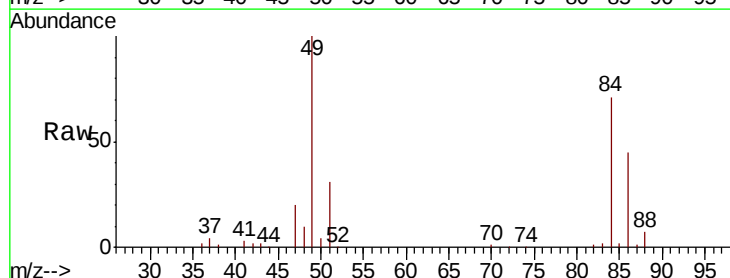
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

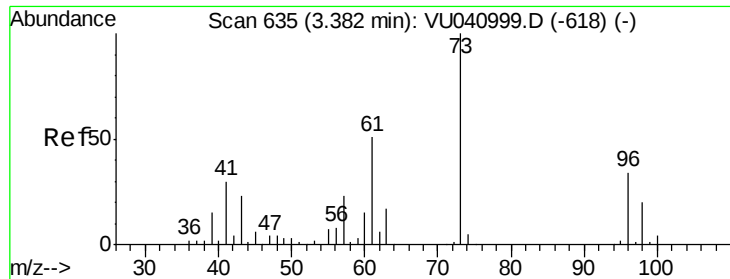
Tot Ion: 43 Resp: 56512
Ion Ratio Lower Upper
43 100
74 20.9 15.6 23.4



#16
Methylene chloride
Concen: 15.357 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040995.D
Acq: 28 Oct 2020 12:32

Tgt Ion: 84 Resp: 98592
Ion Ratio Lower Upper
84 100
86 63.7 44.2 82.0
49 140.5 99.3 184.3

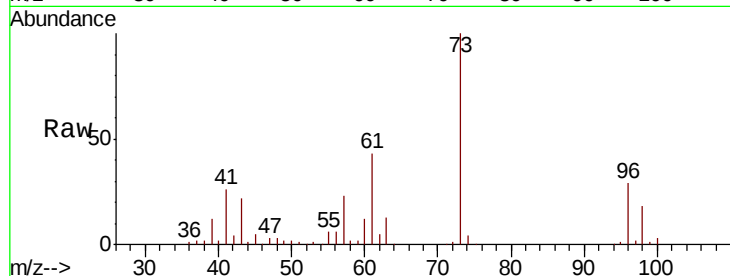




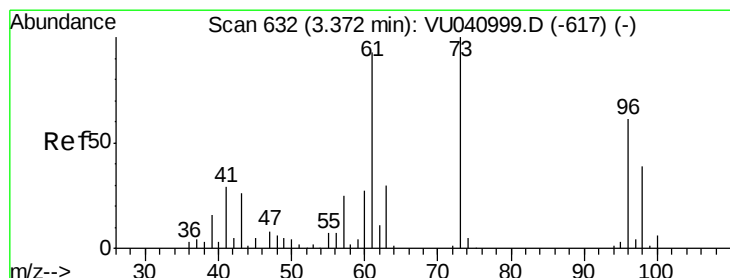
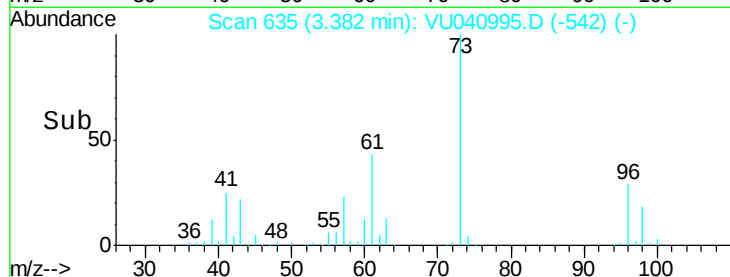
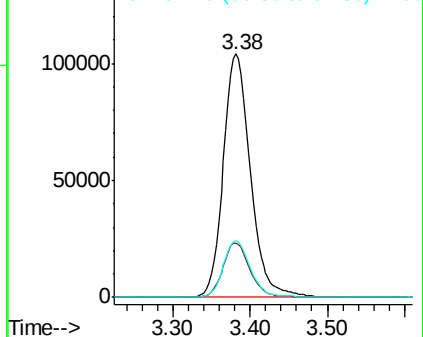
#17
Methvl tert-butvl Ether
Concen: 18.881 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040995.D
Acq: 28 Oct 2020 12:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tot Ion: 73 Resp: 253339
Ion Ratio Lower Upper
73 100
43 22.4 19.5 29.3
57 23.3 18.9 28.3

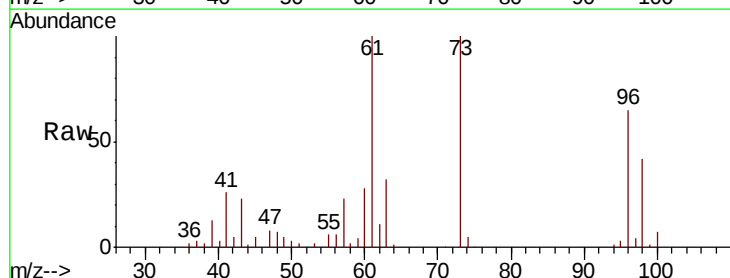


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

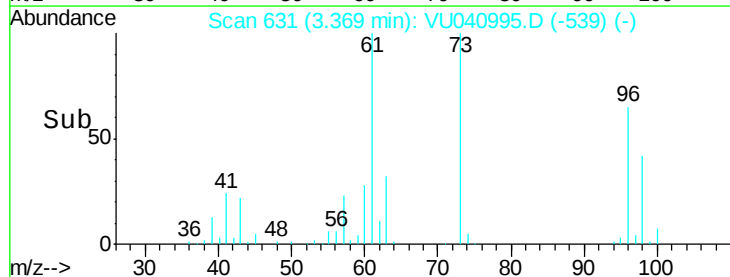
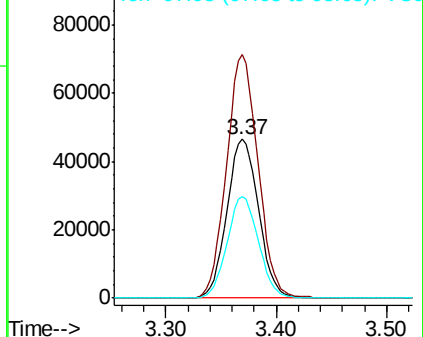


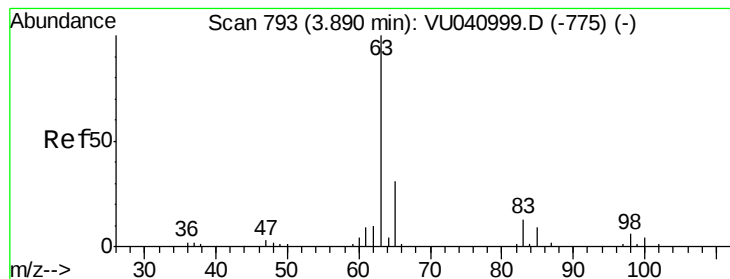
#18
trans-1,2-Dichloroethene
Concen: 17.404 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040995.D
Acq: 28 Oct 2020 12:32

Tgt Ion: 96 Resp: 92900
Ion Ratio Lower Upper
96 100
61 153.6 107.2 199.0
98 64.2 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 17.197 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

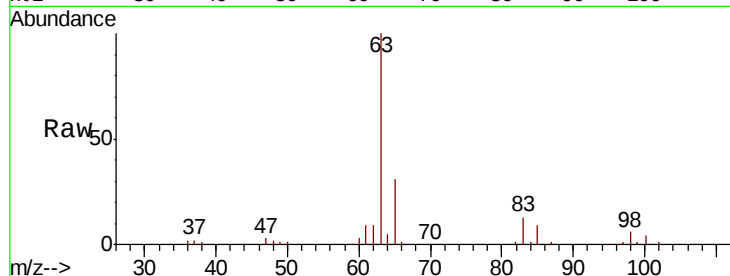
Tot Ion: 63 Resp: 182414

Ion Ratio Lower Upper

63 100

65 31.3 21.8 40.4

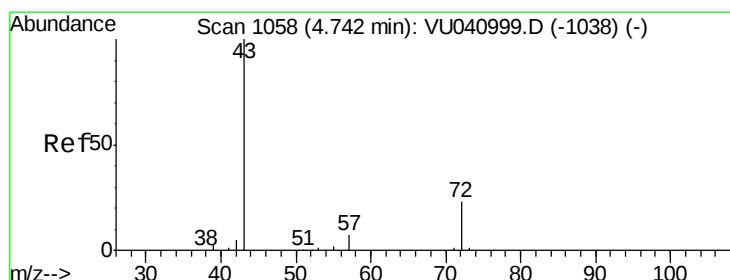
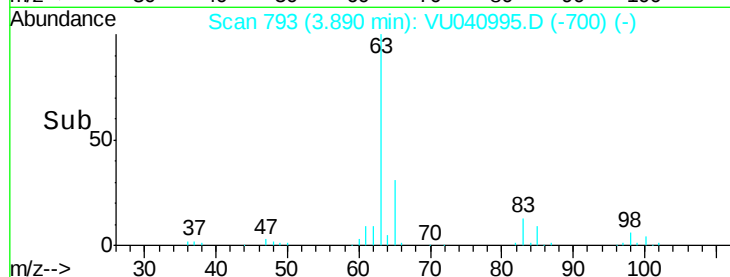
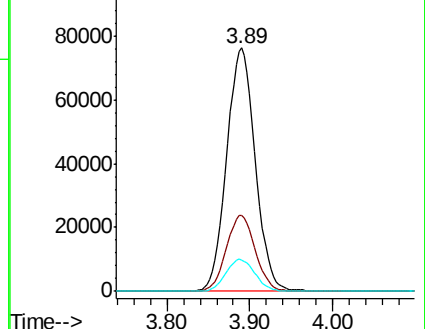
83 13.0 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU040995.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU040995.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU040995.D (-775) (-)



#21

2-Butanone

Concen: 195.249 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU040995.D

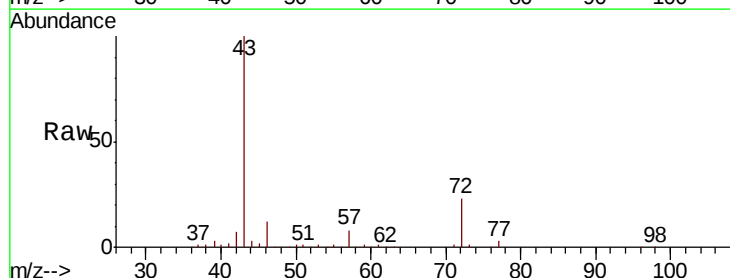
Acq: 28 Oct 2020 12:32

Tgt Ion: 43 Resp: 402991

Ion Ratio Lower Upper

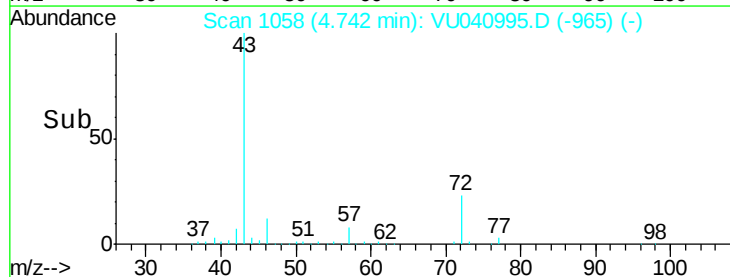
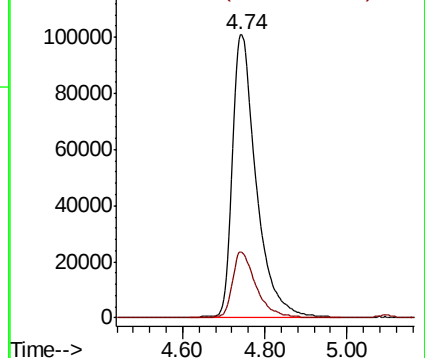
43 100

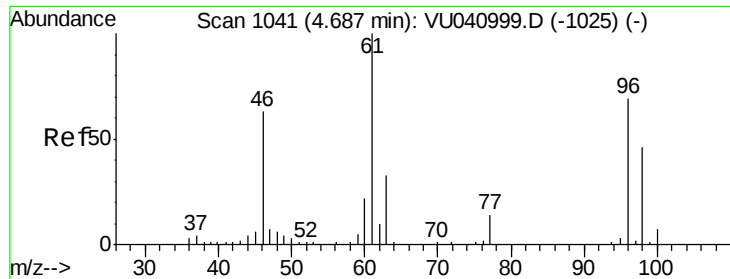
72 23.2 11.6 34.7



Abundance Ion 43.05 (42.75 to 43.75): VU040995.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VU040995.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 17.728 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

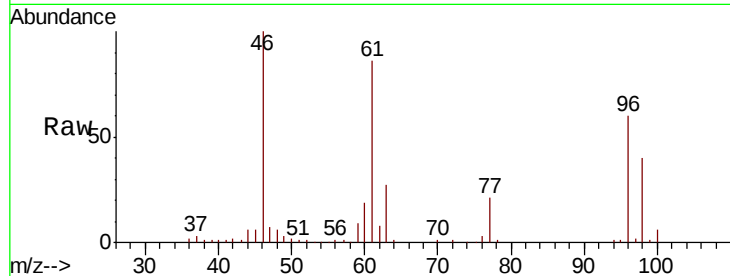
Tot Ion: 96 Resp: 99555

Ion Ratio Lower Upper

96 100

61 142.6 101.7 188.9

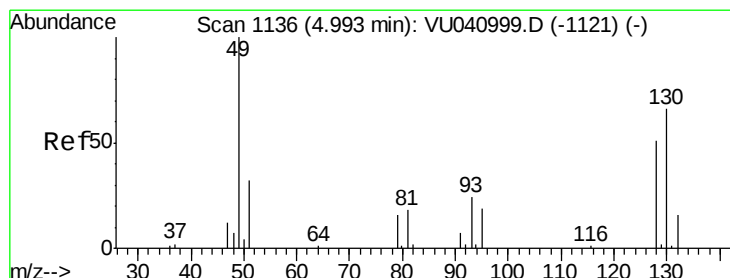
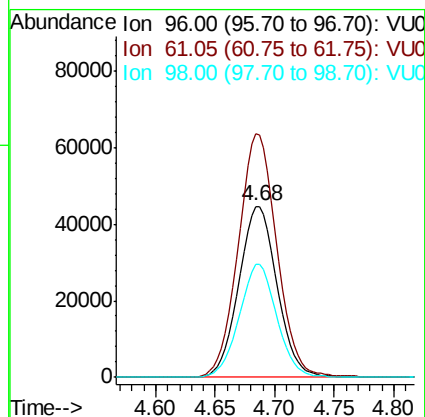
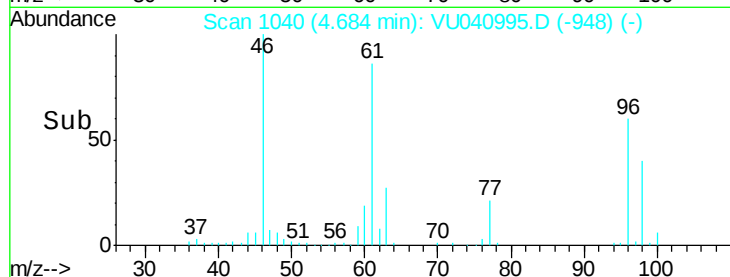
98 66.0 46.4 86.2



Abundance Ion 96.00 (95.70 to 96.70): VU040995.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU040995.D (-1025) (-)

Ion 98.00 (97.70 to 98.70): VU040995.D (-1025) (-)



#23

Bromochloromethane

Concen: 17.552 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Tgt Ion:128 Resp: 46558

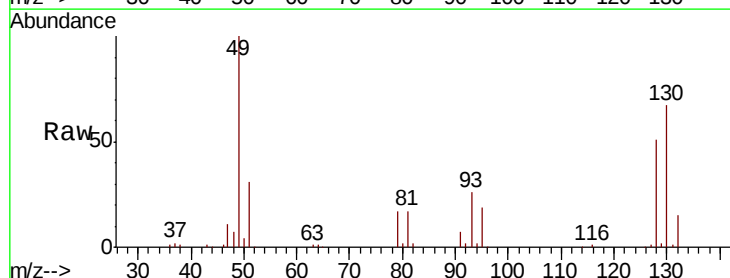
Ion Ratio Lower Upper

128 100

49 194.4 137.5 255.4

130 129.6 90.2 167.4

51 60.3 49.8 74.6

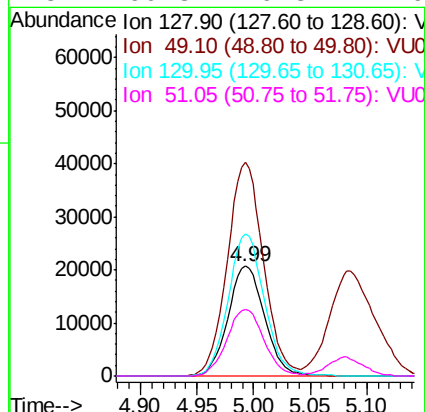
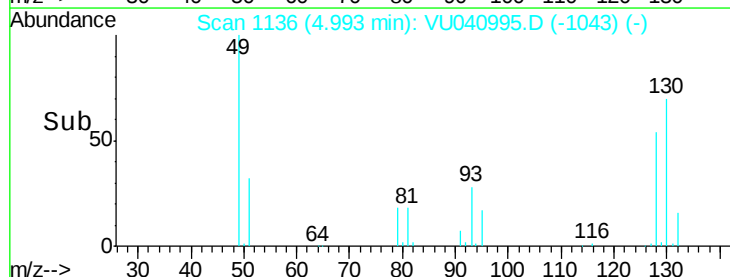


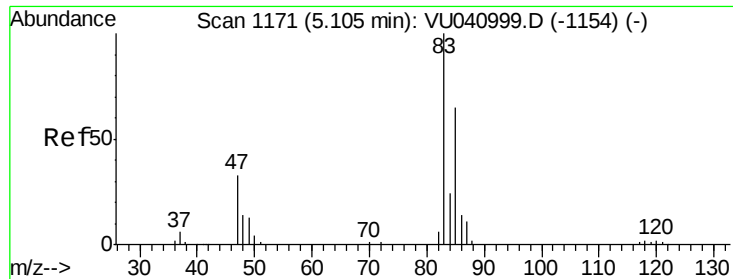
Abundance Ion 127.90 (127.60 to 128.60): VU040995.D (-1121) (-)

Ion 49.10 (48.80 to 49.80): VU040995.D (-1121) (-)

Ion 129.95 (129.65 to 130.65): VU040995.D (-1121) (-)

Ion 51.05 (50.75 to 51.75): VU040995.D (-1121) (-)

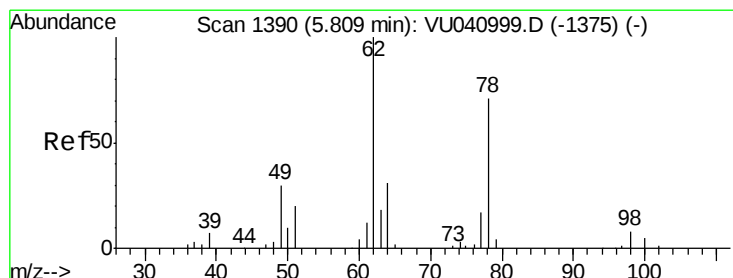
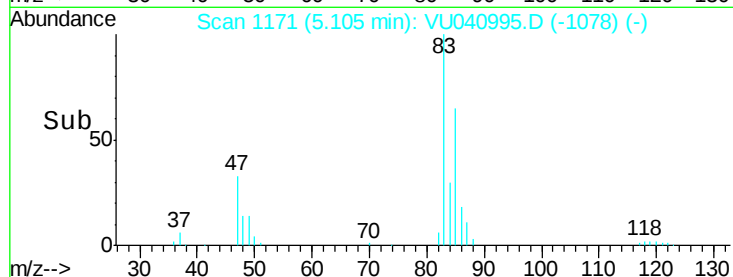
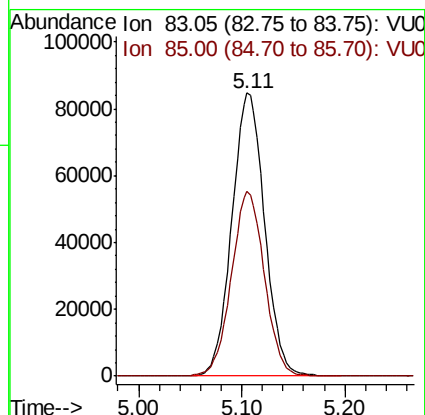
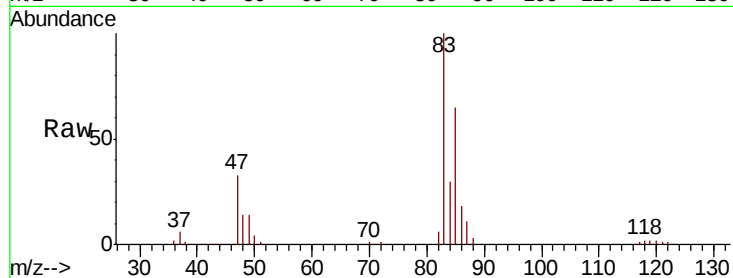




#25
Chloroform
Concen: 17.559 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040995.D
Acq: 28 Oct 2020 12:32

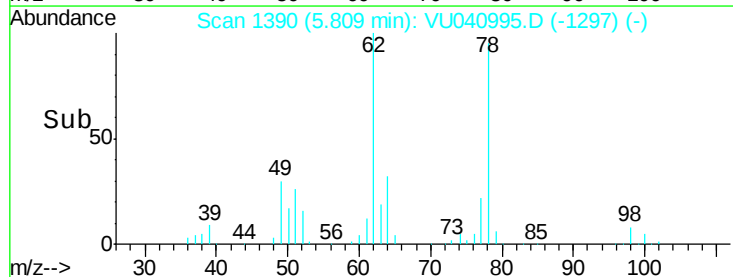
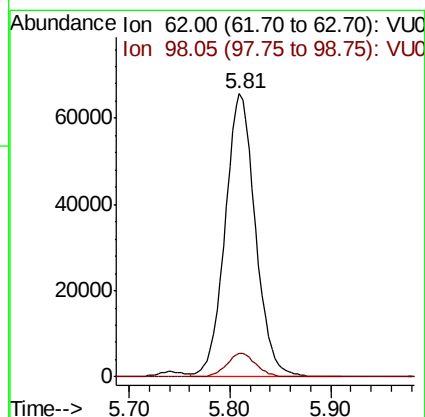
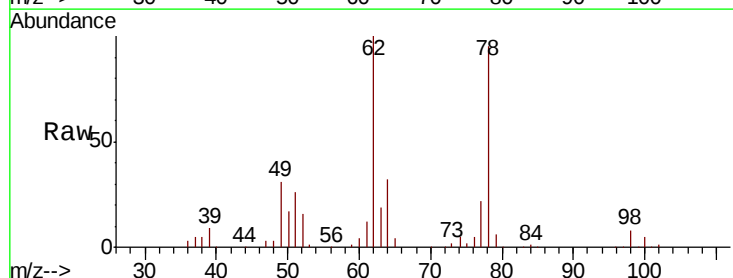
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

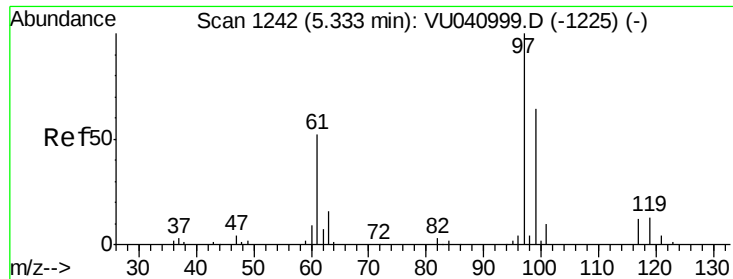
Tot Ion: 83 Resp: 186989
Ion Ratio Lower Upper
83 100
85 65.1 45.5 84.5



#27
1,2-Dichloroethane
Concen: 17.867 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040995.D
Acq: 28 Oct 2020 12:32

Tgt Ion: 62 Resp: 137631
Ion Ratio Lower Upper
62 100
98 8.4 6.1 9.1



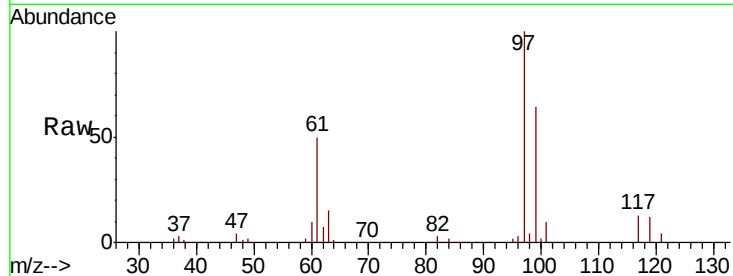


#29
 1,1,1-Trichloroethane
 Concen: 17.743 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

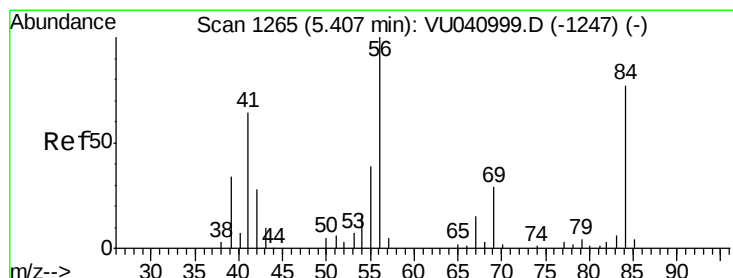
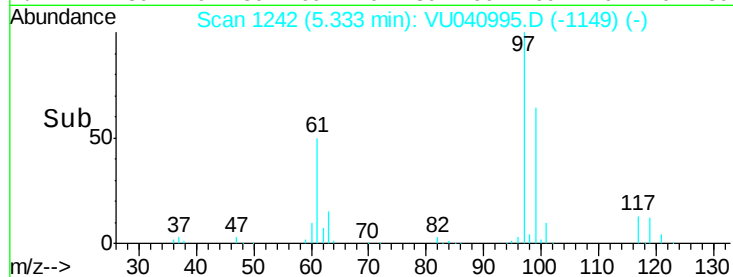
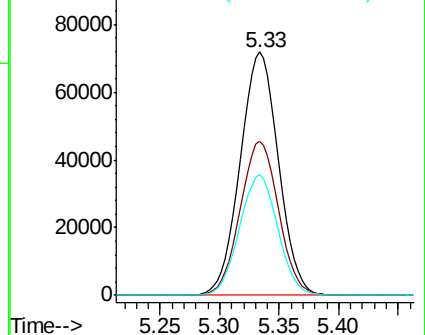
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion: 97 Resp: 160479

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.2	75.2
61	49.6	39.6	59.4



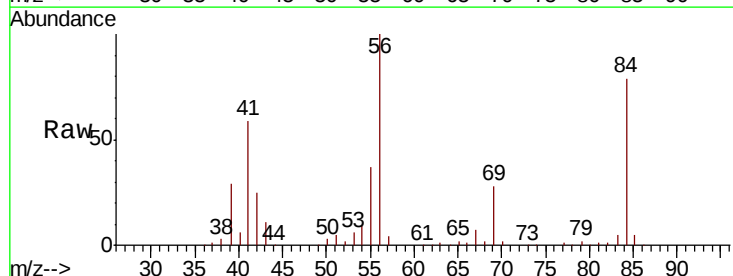
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0



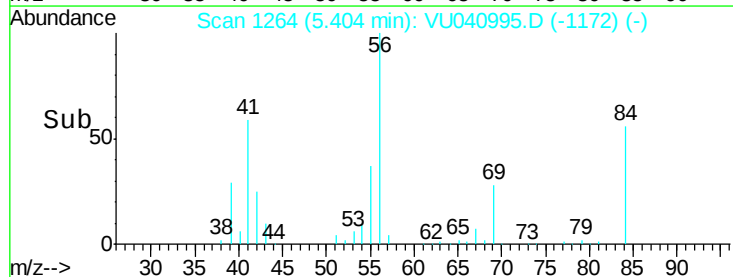
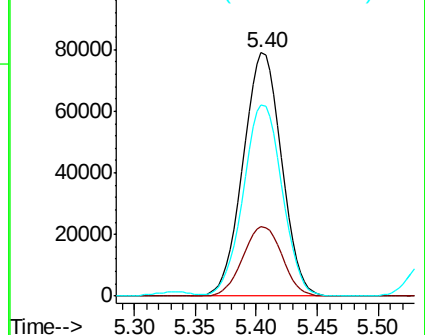
#30
 Cyclohexane
 Concen: 17.960 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

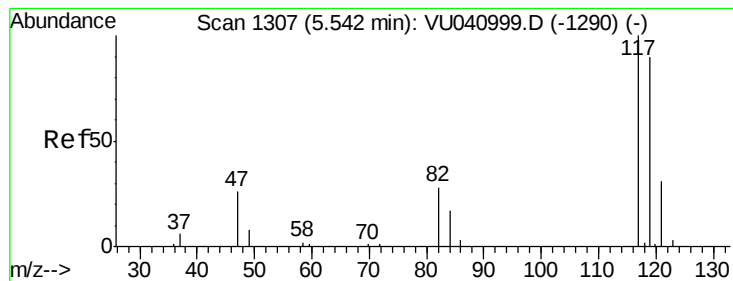
Tgt Ion: 56 Resp: 172187

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.2	34.8
84	79.4	62.9	94.3



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





#31

Carbon tetrachloride

Concen: 17.917 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

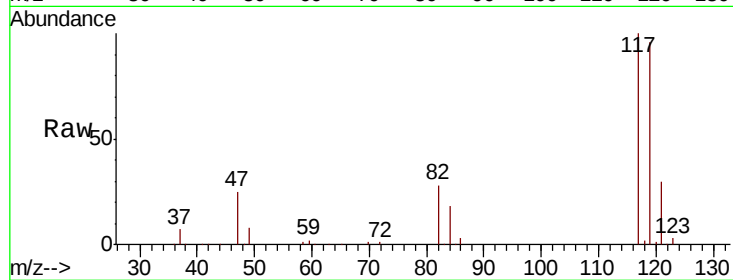
VSTD02006

Tot Ion:117 Resp: 138077

Ion Ratio Lower Upper

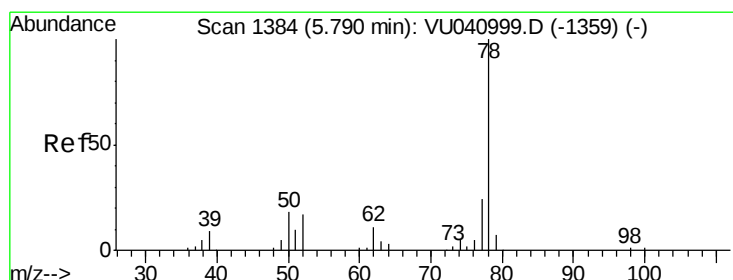
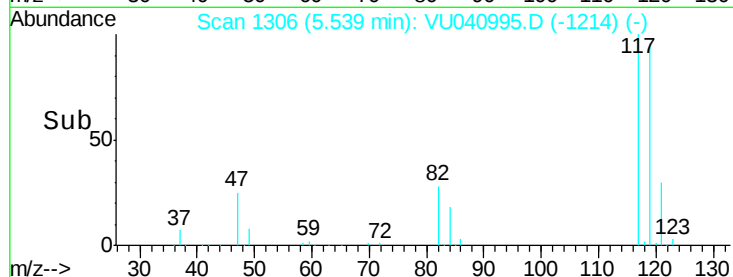
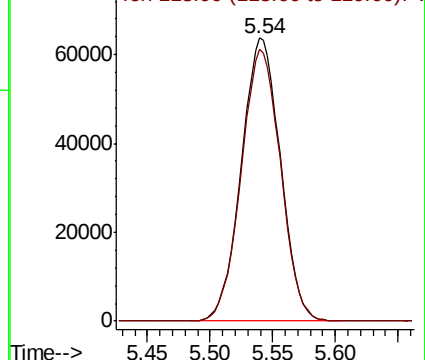
117 100

119 96.3 74.4 111.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 17.657 ug/L

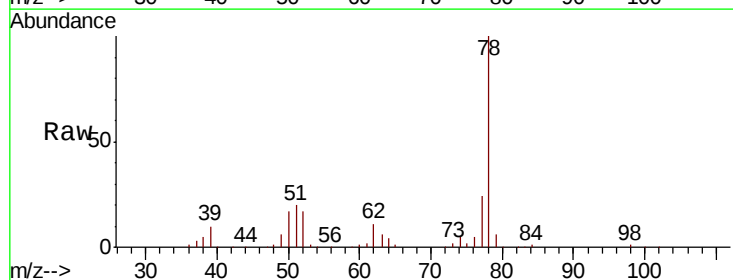
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

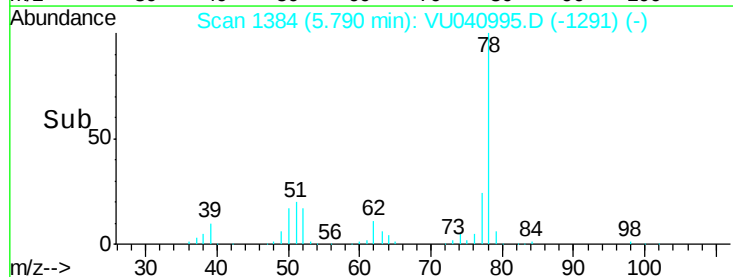
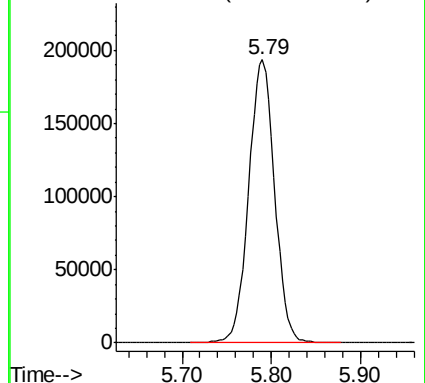
Lab File: VU040995.D

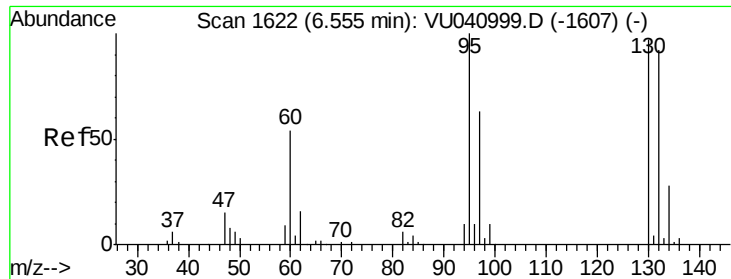
Acq: 28 Oct 2020 12:32

Tgt Ion: 78 Resp: 391930



Abundance Ion 78.10 (77.80 to 78.80): VU0

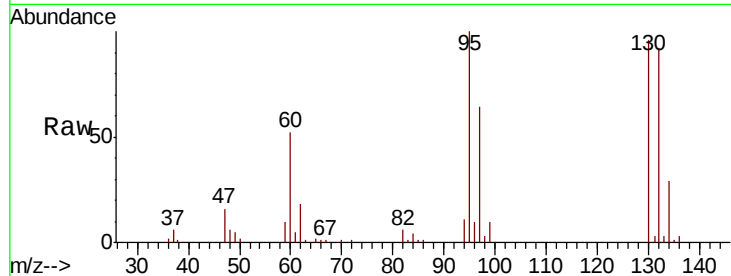




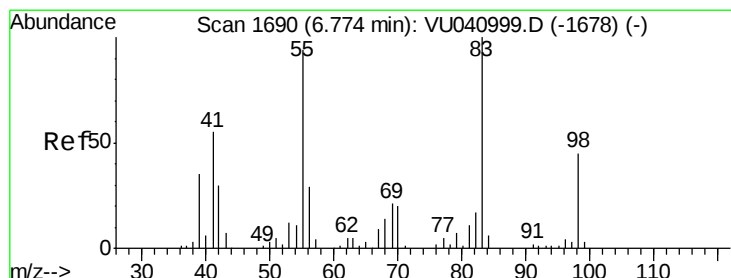
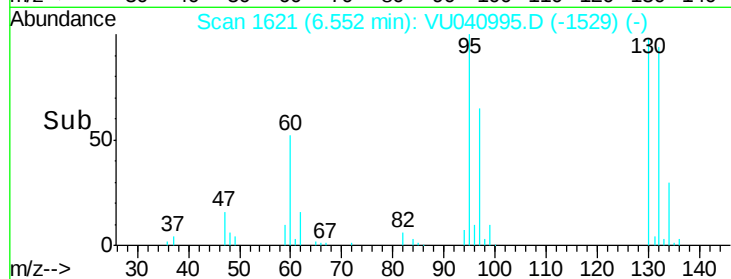
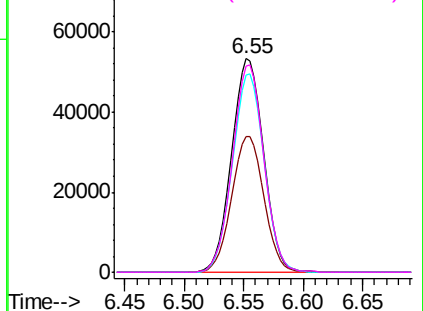
#34
 Trichloroethene
 Concen: 17.354 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion: 95 Resp: 99512
 Ion Ratio Lower Upper
 95 100
 97 63.5 43.8 81.4
 132 92.3 64.5 119.7
 130 96.3 67.6 125.6

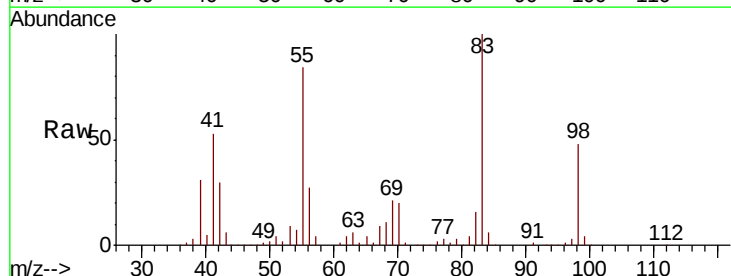


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

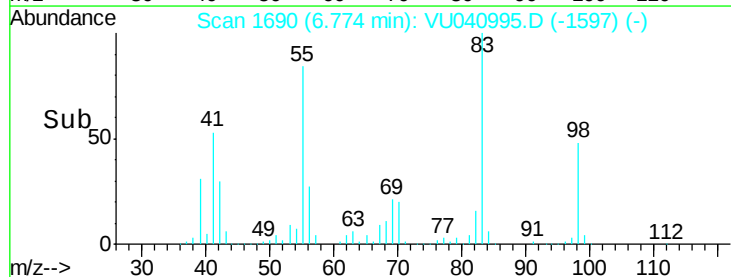
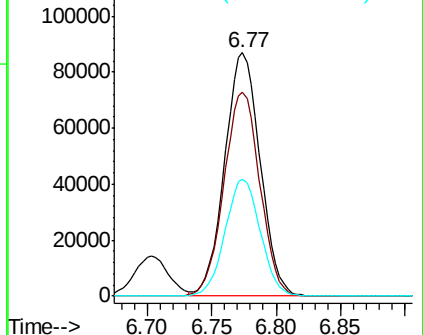


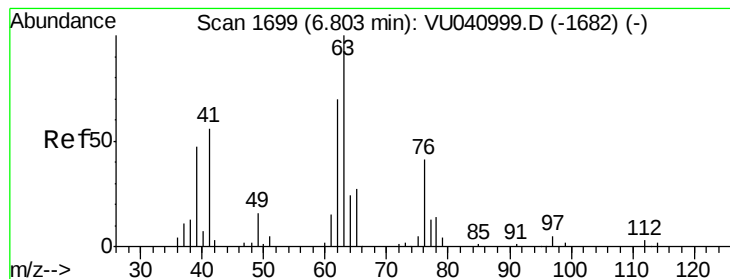
#35
 Methylcyclohexane
 Concen: 18.806 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Tgt Ion: 83 Resp: 166350
 Ion Ratio Lower Upper
 83 100
 55 84.8 72.7 109.1
 98 47.6 35.7 53.5



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: 17.031 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

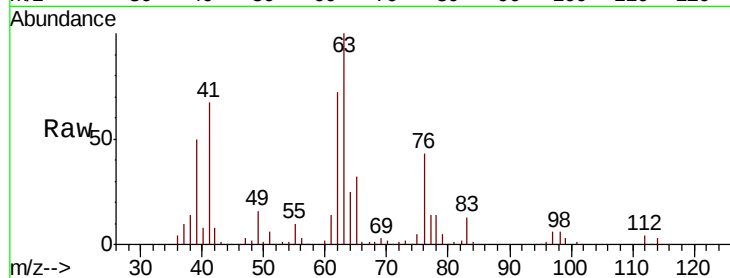
VSTD02006

Tot Ion: 63 Resp: 106068

Ion Ratio Lower Upper

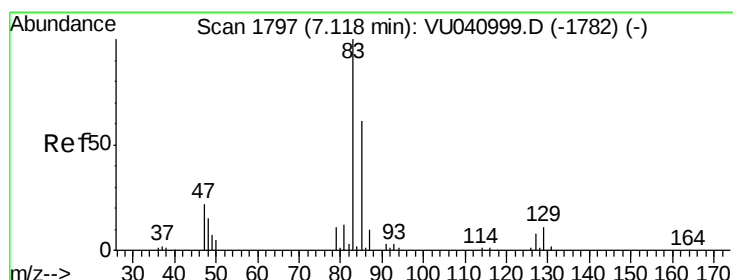
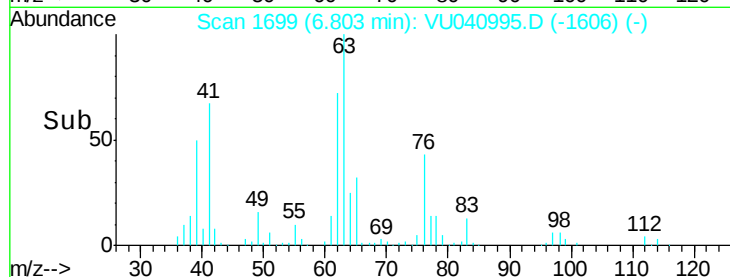
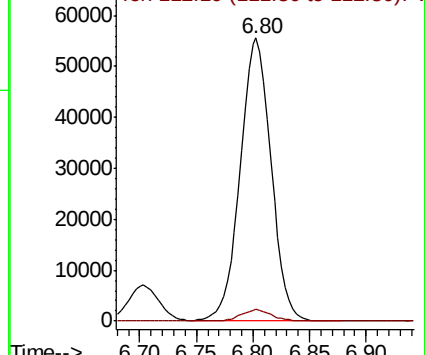
63 100

112 4.0 3.0 4.4



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 18.010 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

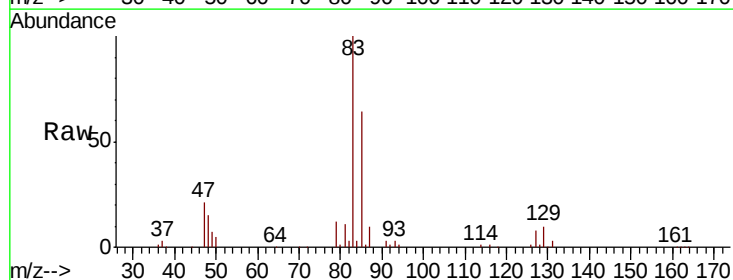
Tgt Ion: 83 Resp: 135993

Ion Ratio Lower Upper

83 100

85 64.2 42.9 79.7

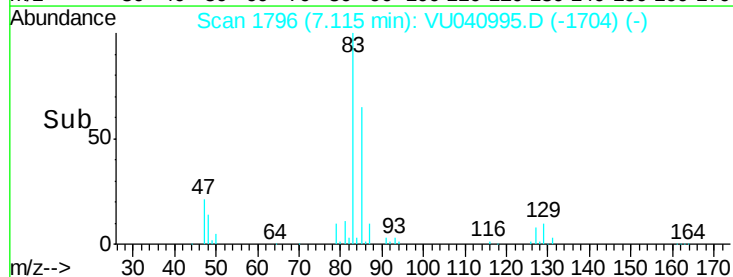
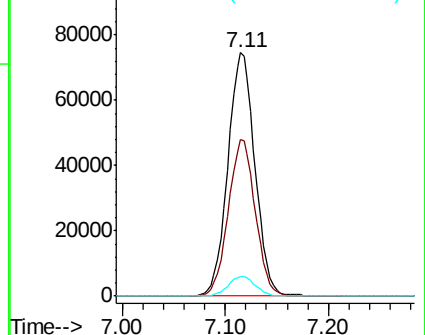
127 8.1 6.2 9.2

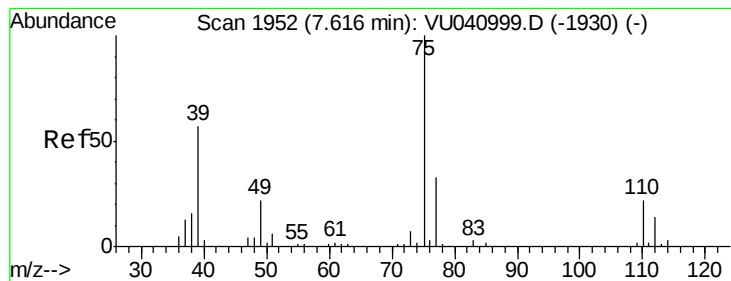


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



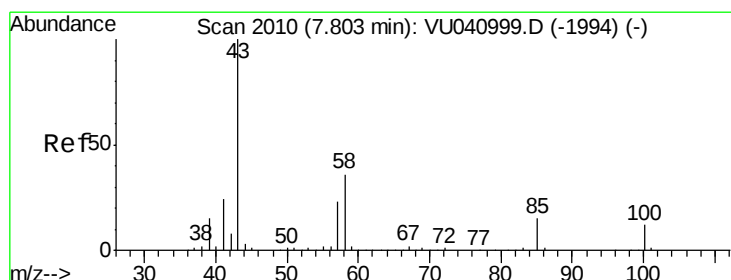
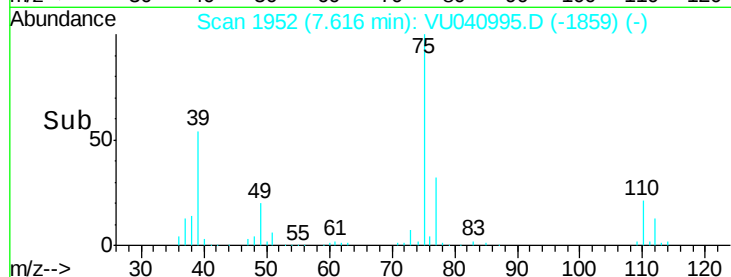
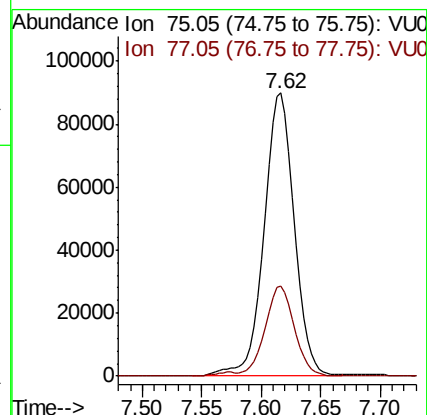
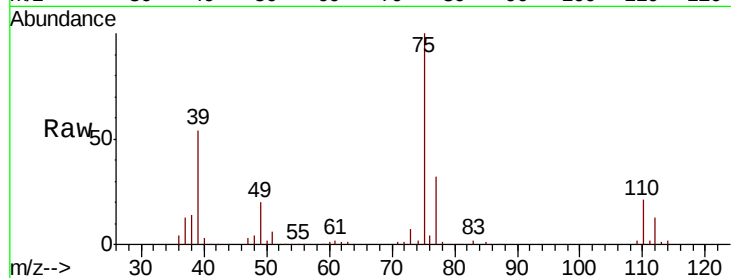


#39

cis-1,3-Dichloropropene
 Concen: 18.942 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

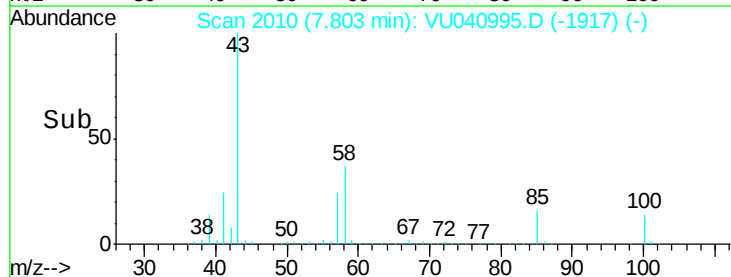
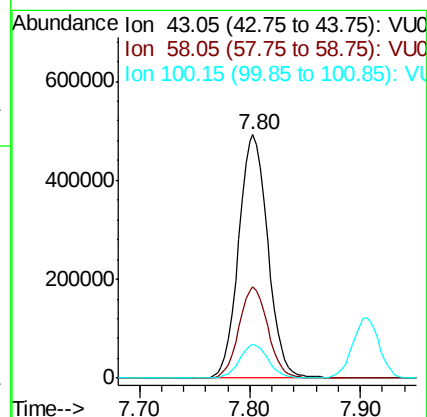
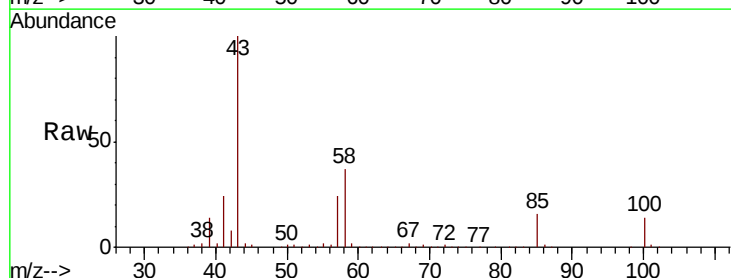
Tot Ion: 75 Resp: 158296
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.3

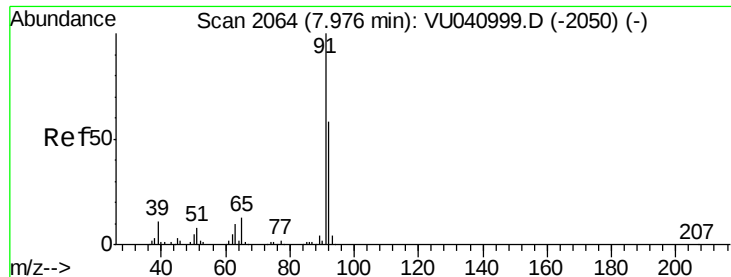


#40

4-Methyl-2-pentanone
 Concen: 192.501 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Tgt Ion: 43 Resp: 901667
 Ion Ratio Lower Upper
 43 100
 58 37.2 28.6 43.0
 100 13.5 9.6 14.4





#42

Toluene

Concen: 18.065 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

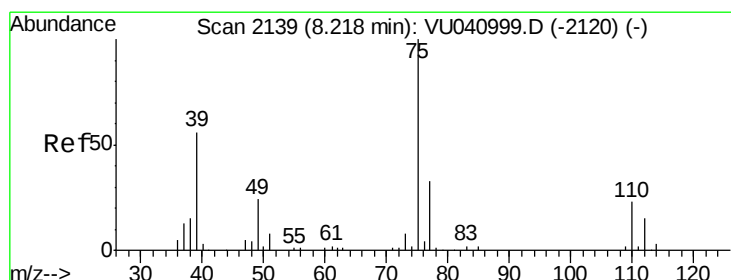
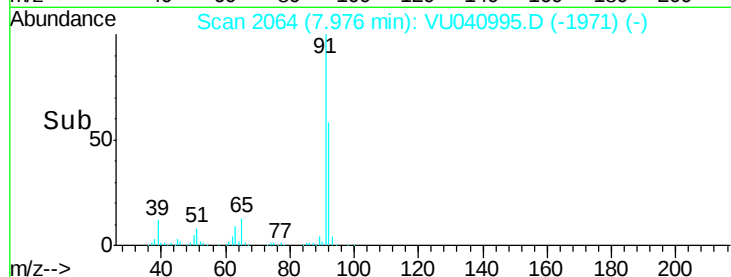
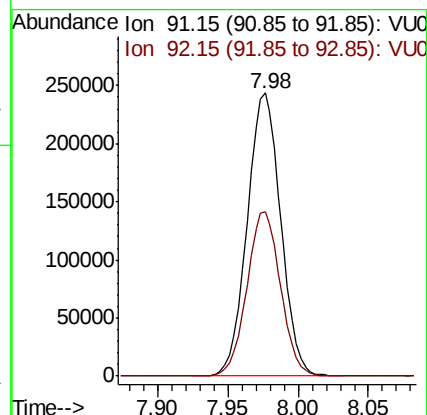
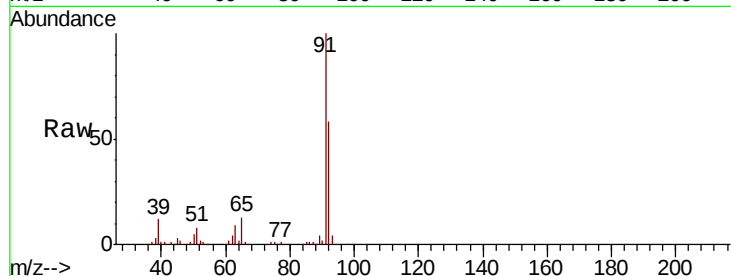
VSTD02006

Tot Ion: 91 Resp: 405636

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 18.786 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040995.D

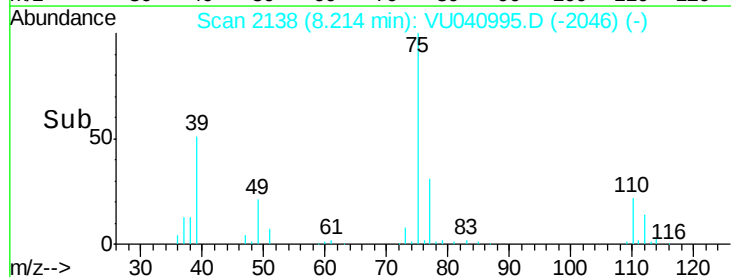
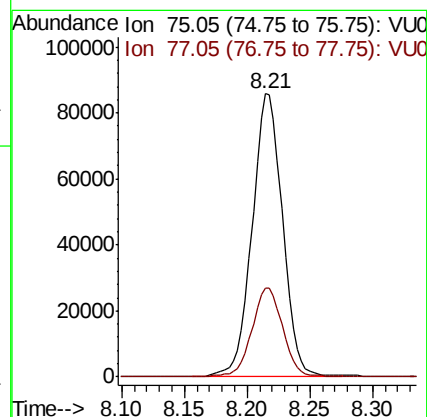
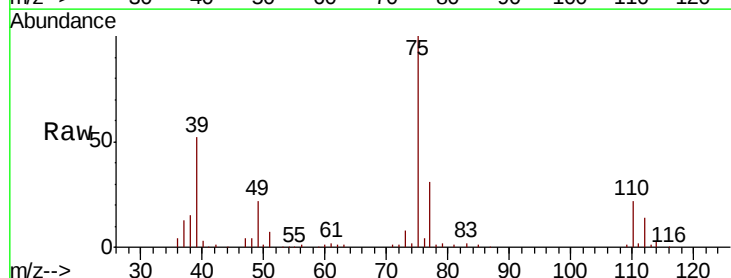
Acq: 28 Oct 2020 12:32

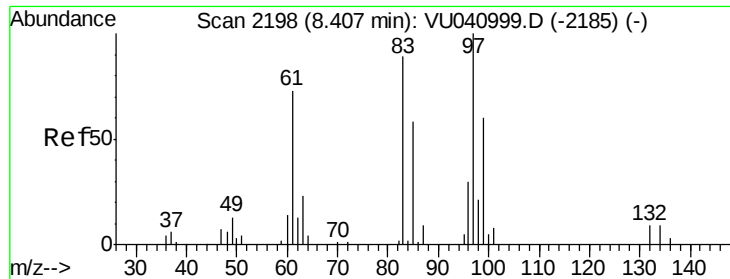
Tgt Ion: 75 Resp: 145045

Ion Ratio Lower Upper

75 100

77 31.4 23.0 42.6

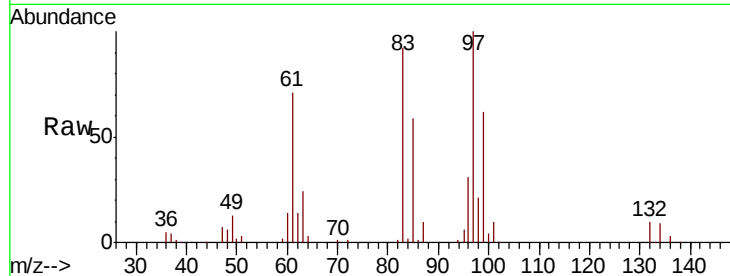




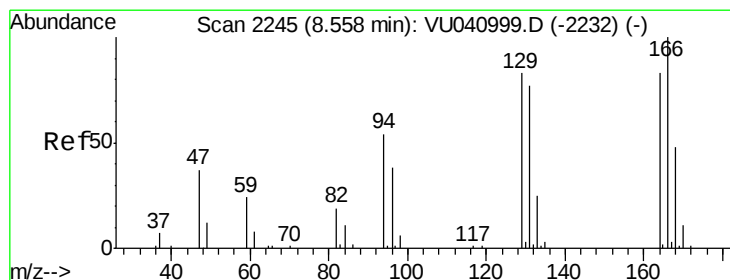
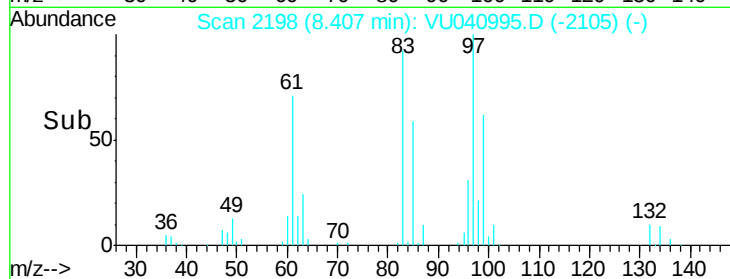
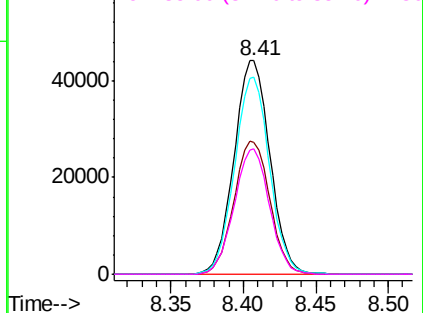
#45
1,1,2-Trichloroethane
Concen: 17.960 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040995.D
Acq: 28 Oct 2020 12:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tot Ion:	97	Resp:	76044
Ion	Ratio	Lower	Upper
97	100		
99	62.0	41.8	77.6
83	92.4	62.2	115.6
85	58.8	40.3	74.8

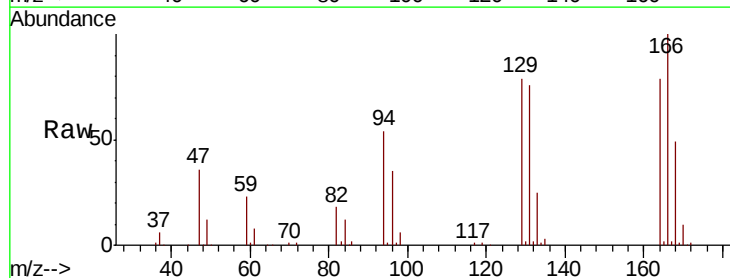


Abundance Ion 96.95 (96.65 to 97.65): VU040995.D (-2198) (-)

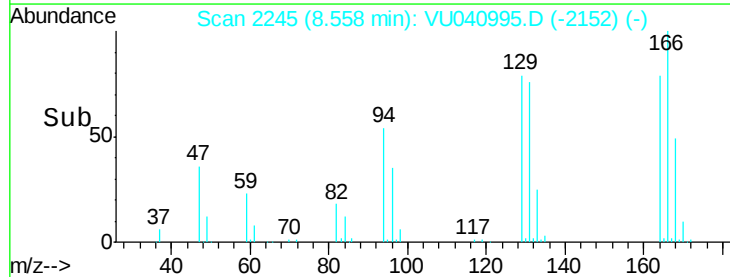
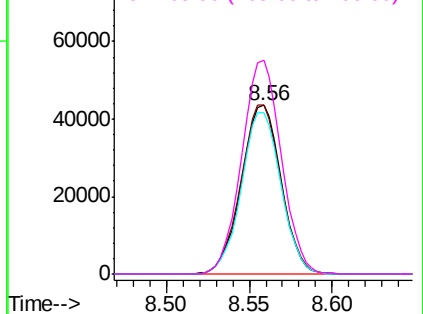


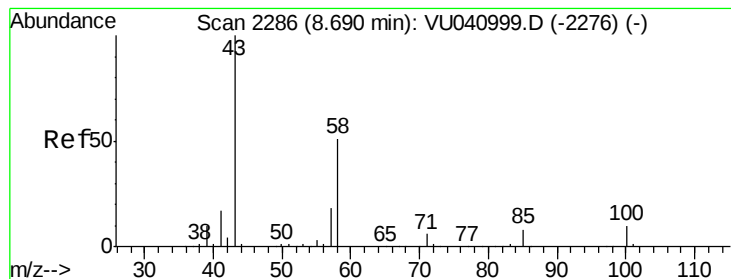
#47
Tetrachloroethene
Concen: 17.450 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040995.D
Acq: 28 Oct 2020 12:32

Tgt Ion:	164	Resp:	72639
Ion	Ratio	Lower	Upper
164	100		
129	99.9	69.9	129.7
131	95.6	65.0	120.6
166	126.6	84.1	156.1



Abundance Ion 163.90 (163.60 to 164.60): VU040995.D (-2245) (-)





#48

2-Hexanone

Concen: 196.327 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampled :

VSTD02006

Tot Ion: 43 Resp: 672200

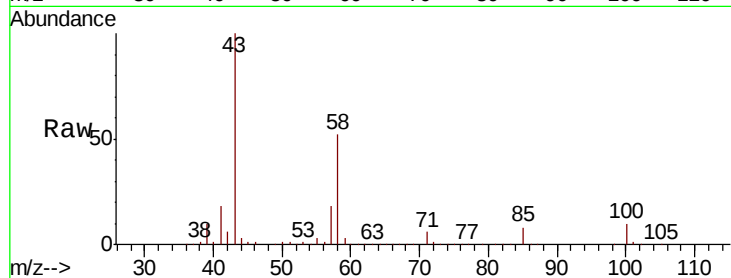
Ion Ratio Lower Upper

43 100

58 52.1 39.9 59.9

57 18.3 14.1 21.1

100 10.5 7.5 11.3

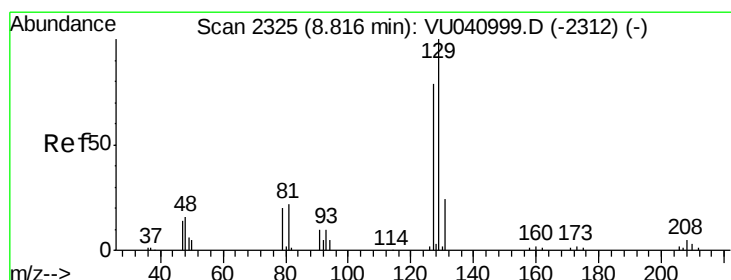
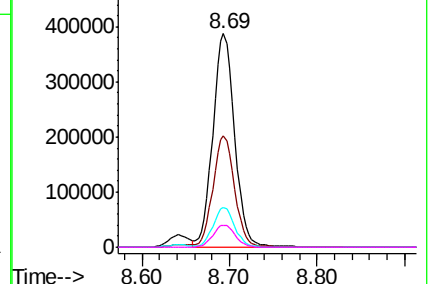
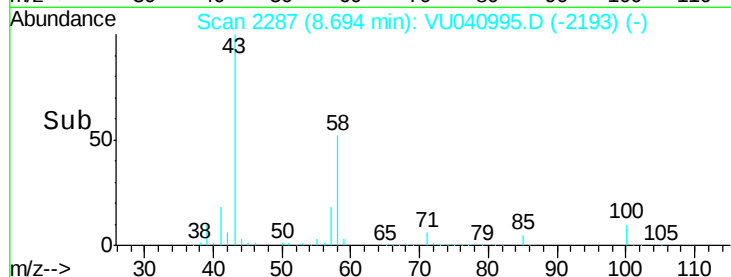


Abundance Ion 43.05 (42.75 to 43.75): VU040995.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040995.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040995.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040995.D (-2193) (-)



#49

Dibromochloromethane

Concen: 18.563 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040995.D

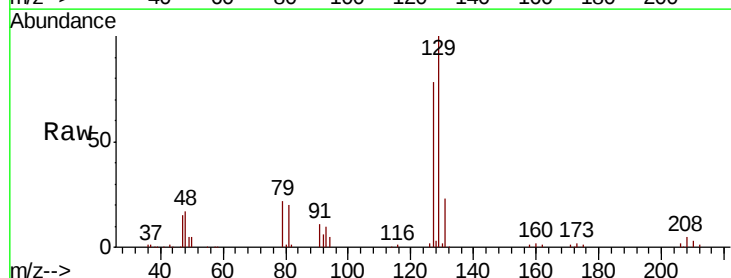
Acq: 28 Oct 2020 12:32

Tgt Ion: 129 Resp: 90308

Ion Ratio Lower Upper

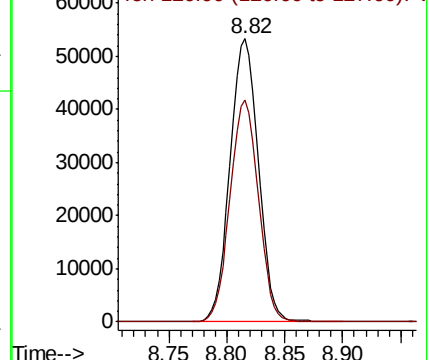
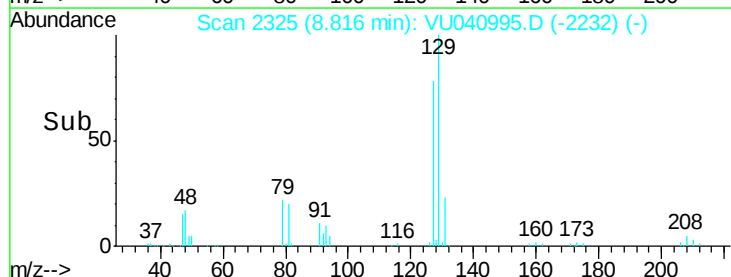
129 100

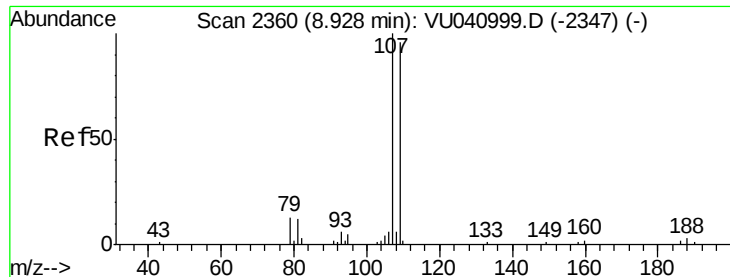
127 78.5 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): VU040995.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU040995.D (-2232) (-)

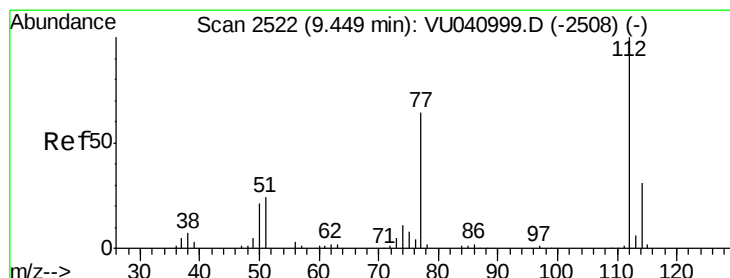
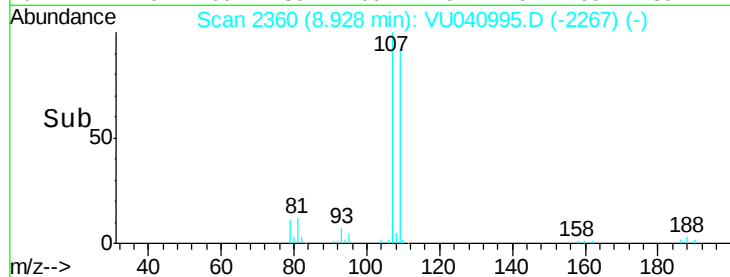
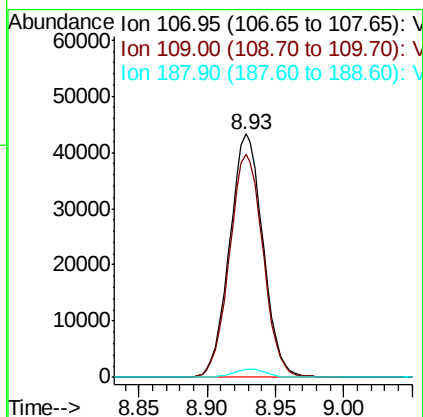
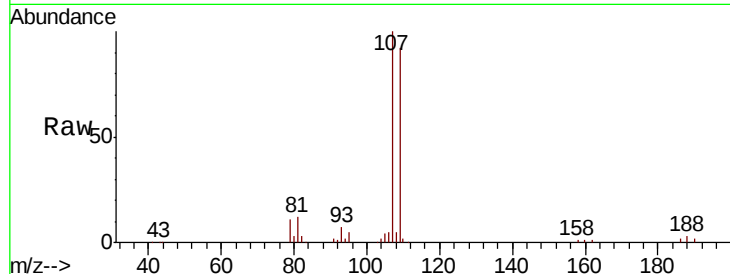




#50
 1,2-Dibromoethane
 Concen: 18.035 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

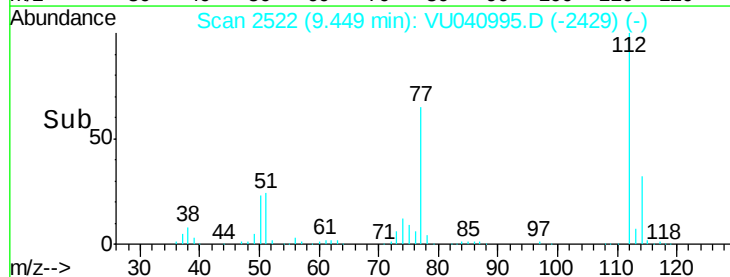
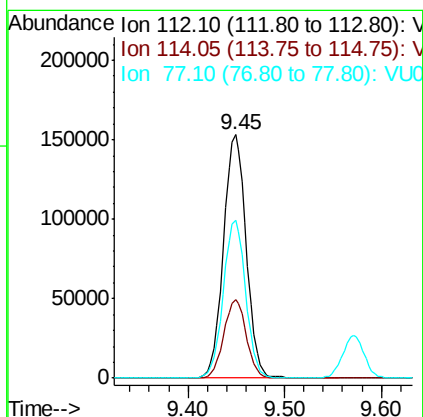
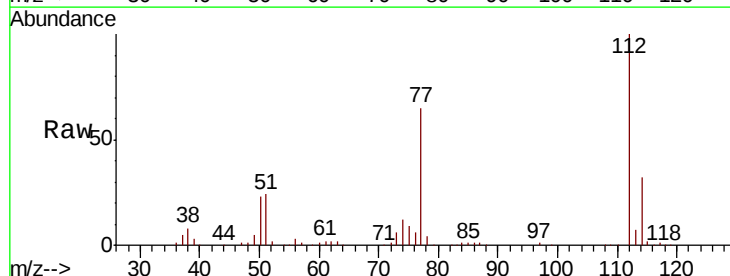
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

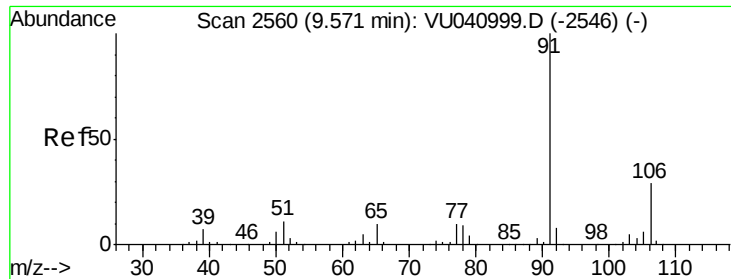
Tot Ion:107 Resp: 73613
 Ion Ratio Lower Upper
 107 100
 109 91.8 67.1 124.5
 188 3.3 2.3 3.5



#51
 Chlorobenzene
 Concen: 17.308 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Tgt Ion:112 Resp: 249632
 Ion Ratio Lower Upper
 112 100
 114 32.1 21.9 40.7
 77 64.6 51.4 77.2





#52

Ethylbenzene

Concen: 18.574 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

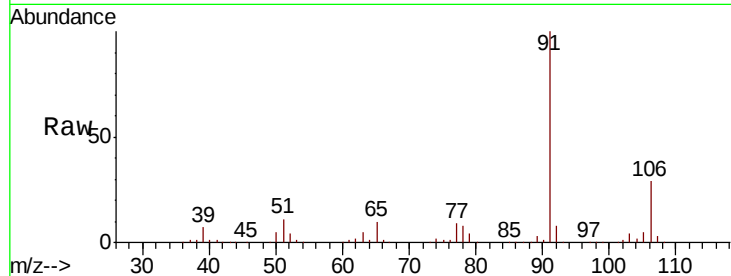
VSTD02006

Tot Ion: 91 Resp: 454791

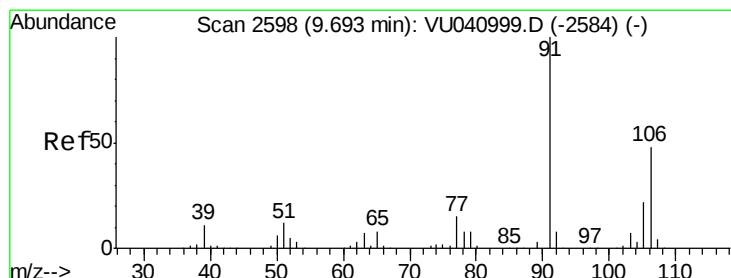
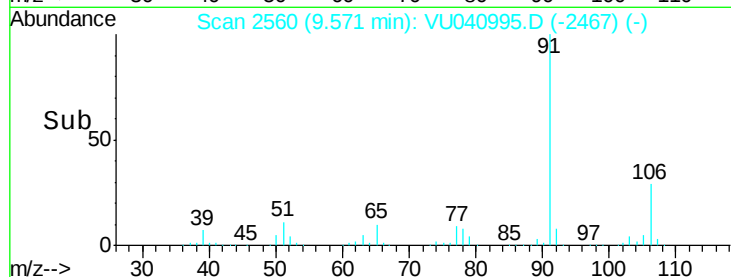
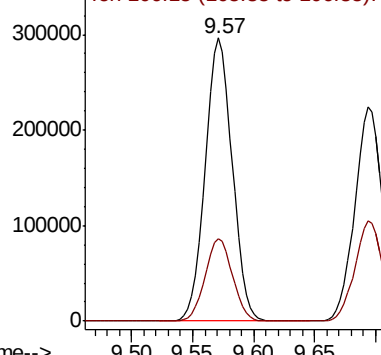
Ion Ratio Lower Upper

91 100

106 29.3 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU040999.D (-2546) (-)



#53

m,p-Xylene

Concen: 18.910 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040995.D

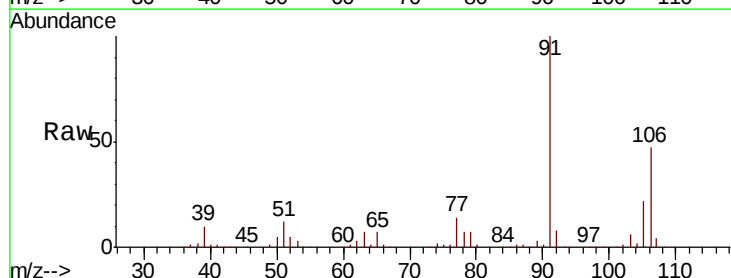
Acq: 28 Oct 2020 12:32

Tgt Ion: 106 Resp: 166843

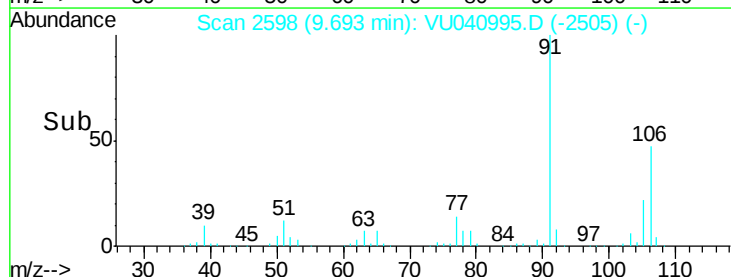
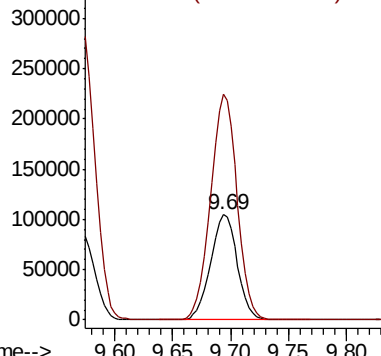
Ion Ratio Lower Upper

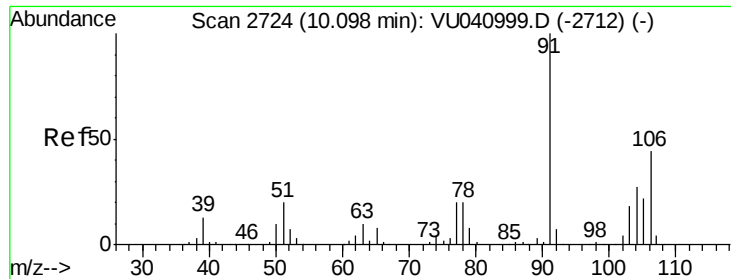
106 100

91 213.9 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU040999.D (-2584) (-)

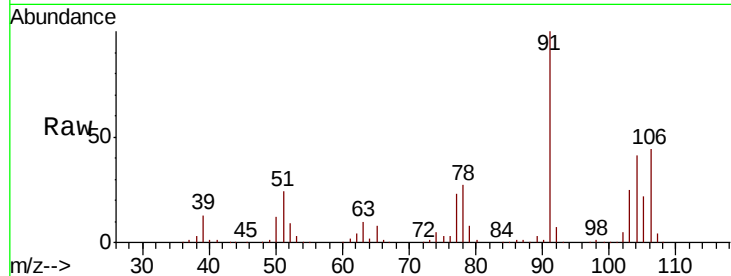




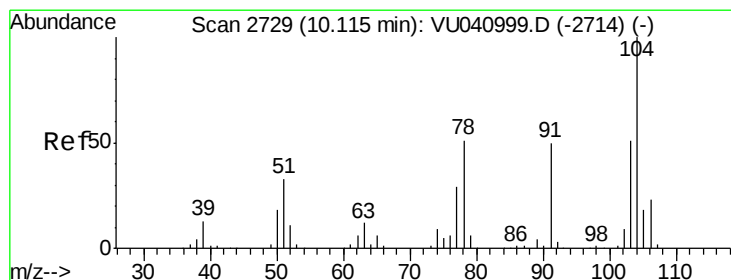
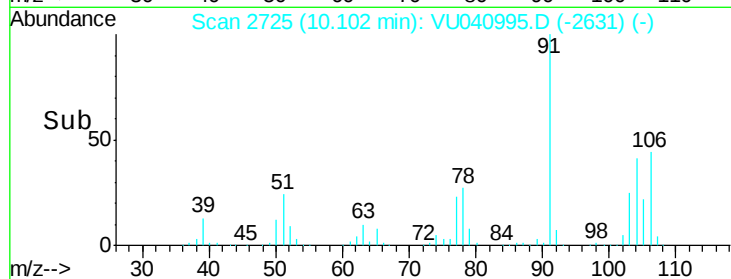
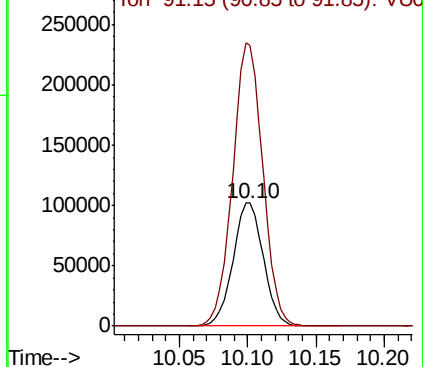
#54
o-Xylene
Concen: 18.576 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040995.D
Acq: 28 Oct 2020 12:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tot Ion:106 Resp: 157775
Ion Ratio Lower Upper
106 100
91 228.3 158.3 294.1

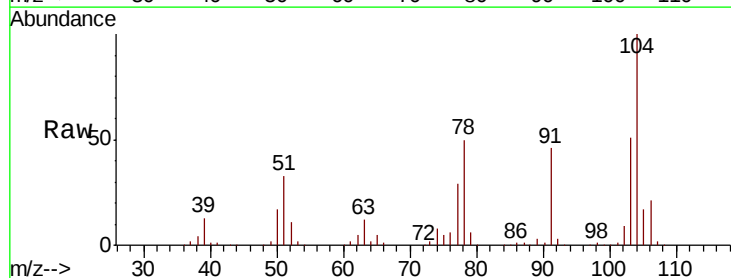


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

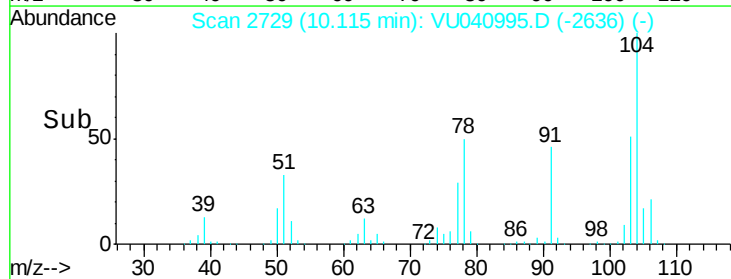
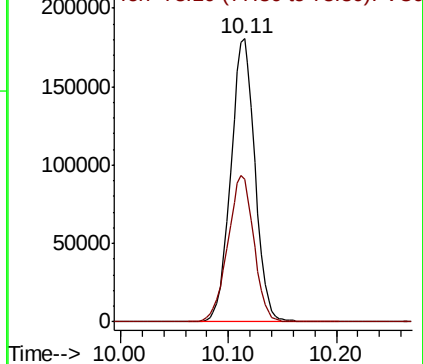


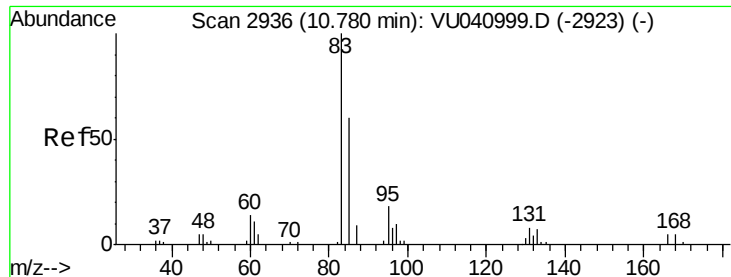
#55
Styrene
Concen: 19.278 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040995.D
Acq: 28 Oct 2020 12:32

Tgt Ion:104 Resp: 282790
Ion Ratio Lower Upper
104 100
78 50.4 35.6 66.2



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

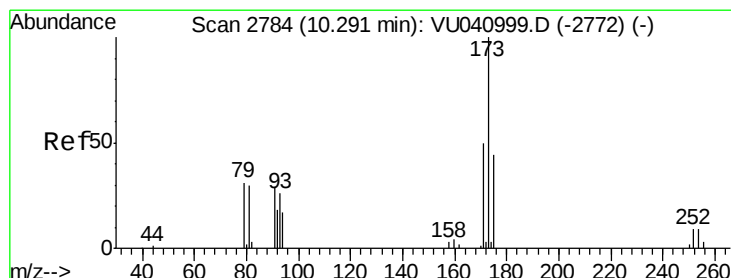
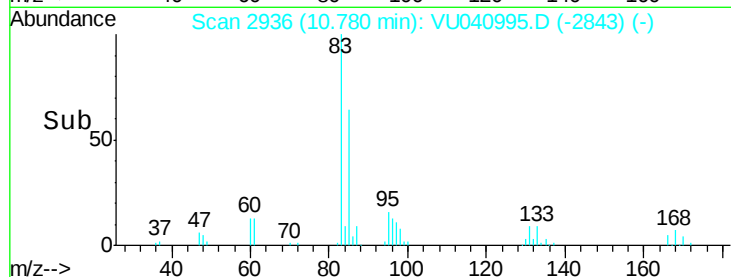
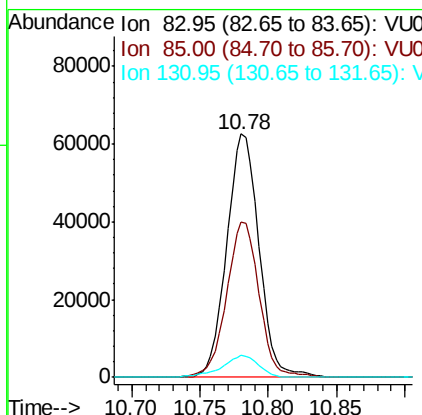
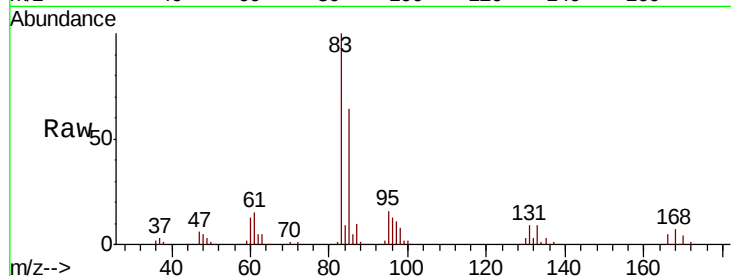




#57
 1,1,2,2-Tetrachloroethane
 Concen: 18.484 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

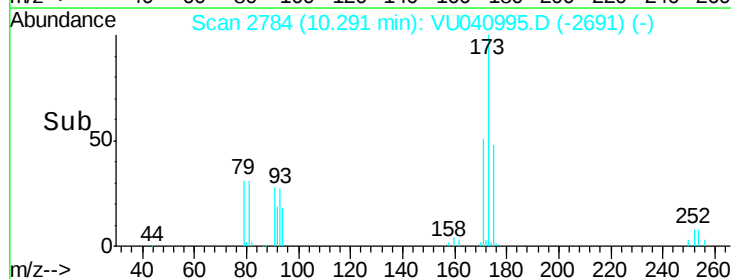
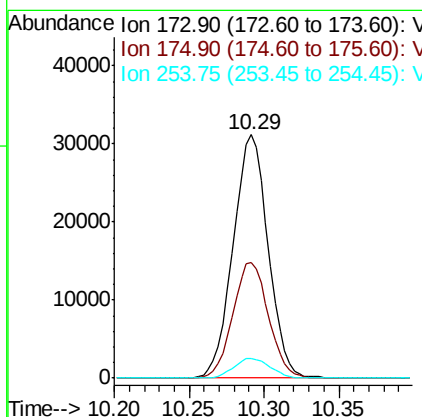
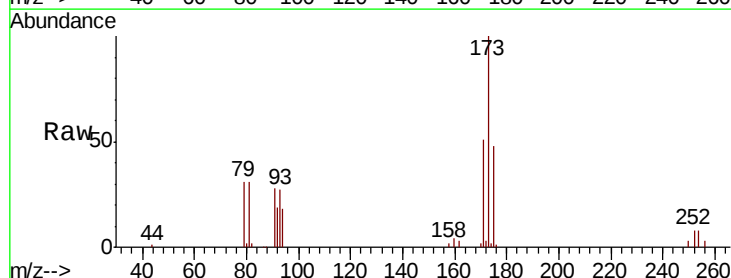
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

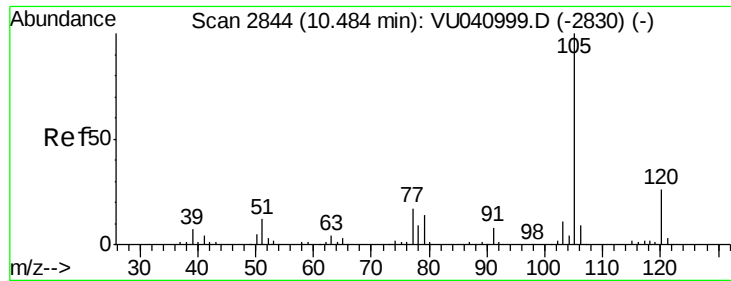
Tot Ion: 83 Resp: 103084
 Ion Ratio Lower Upper
 83 100
 85 64.0 42.1 78.3
 131 8.9 6.7 10.1



#59
 Bromoform
 Concen: 18.492 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Tgt Ion: 173 Resp: 50741
 Ion Ratio Lower Upper
 173 100
 175 48.3 36.7 55.1
 254 8.4 6.5 9.7





#60

Isopropylbenzene

Concen: 18.642 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

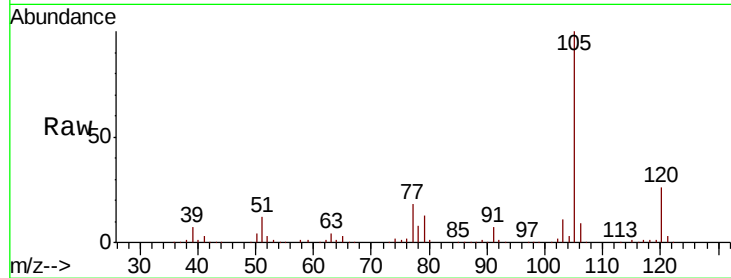
Tot Ion:105 Resp: 431515

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.4

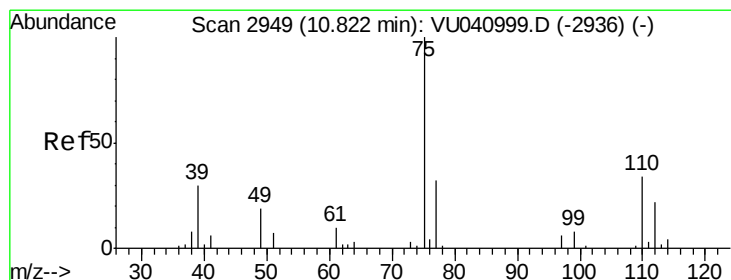
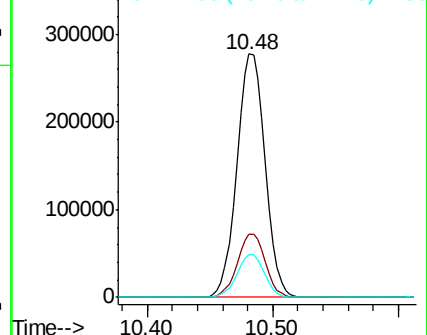
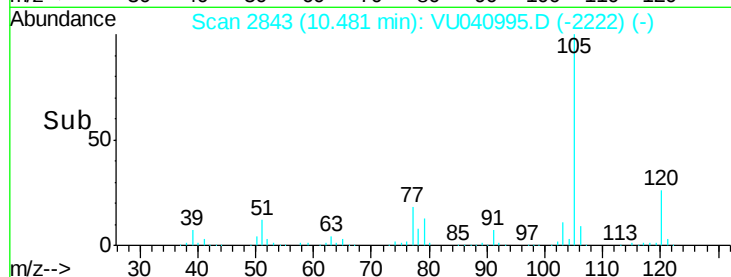
77 17.4 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 17.372 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

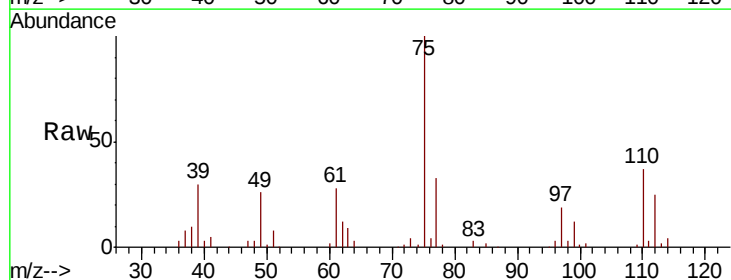
Tgt Ion: 75 Resp: 76089

Ion Ratio Lower Upper

75 100

110 37.4 27.5 41.3

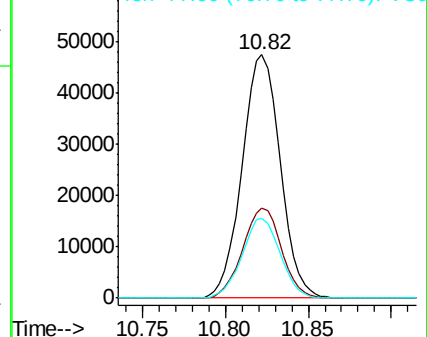
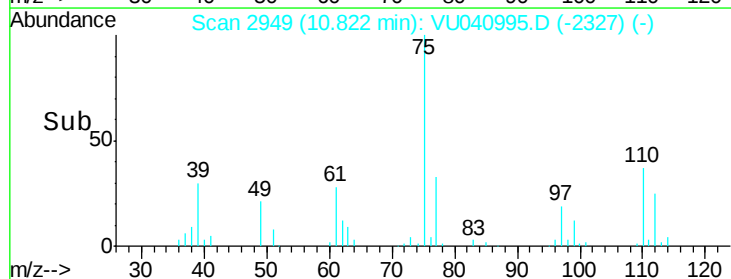
77 32.8 24.9 37.3

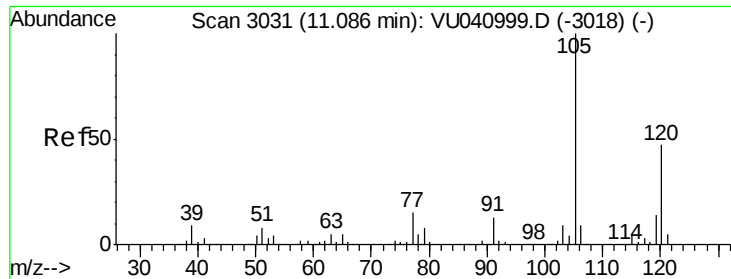


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

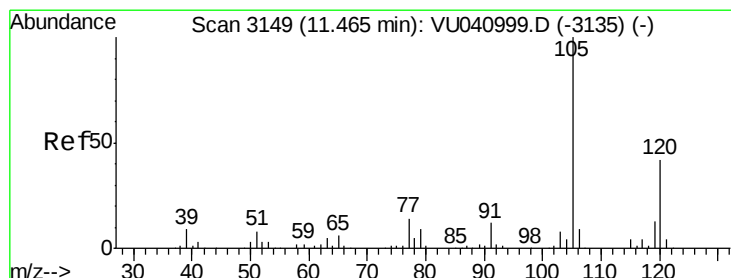
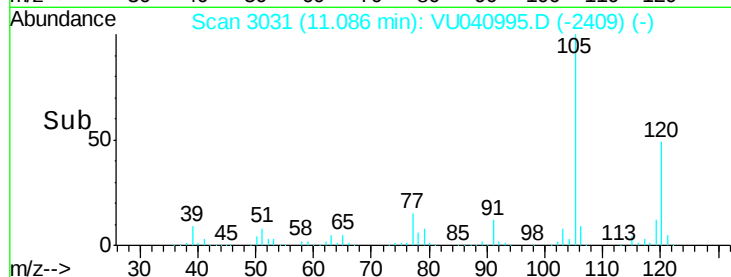
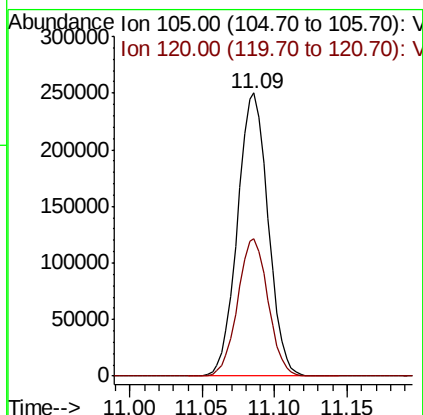
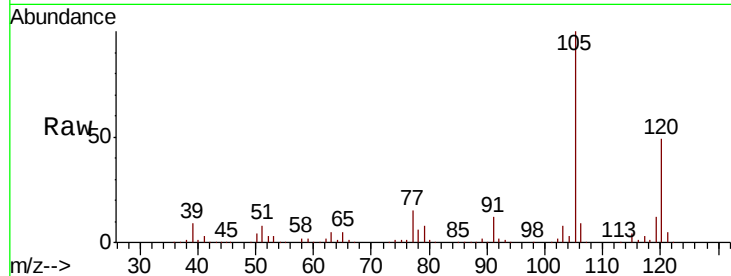




#62
 1,3,5-Trimethylbenzene
 Concen: 19.856 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

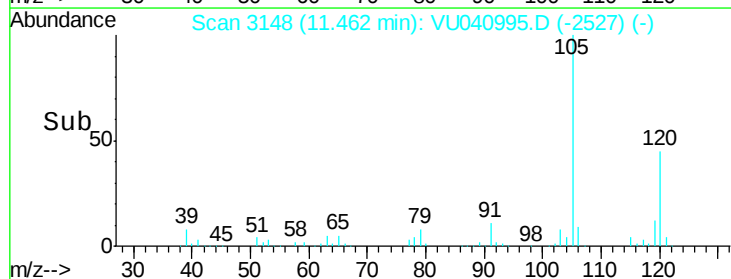
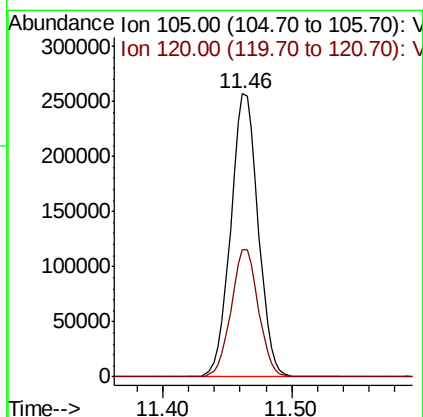
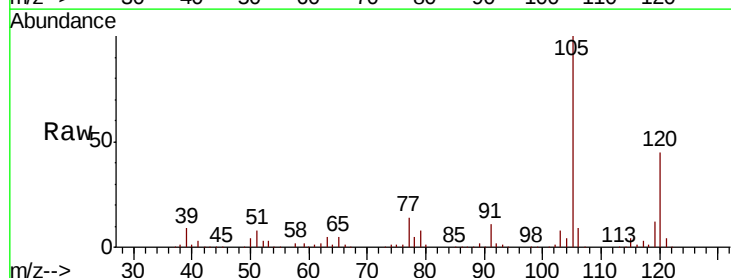
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD02006

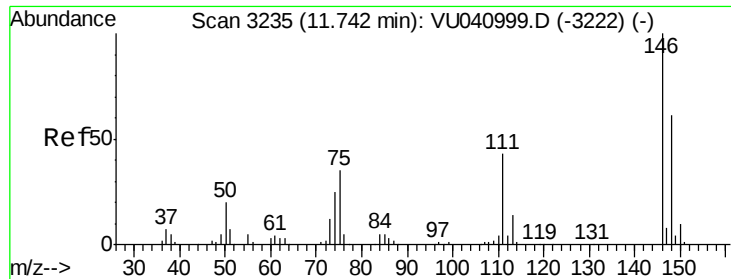
Tot Ion:105 Resp: 368391
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 20.063 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Tgt Ion:105 Resp: 378256
 Ion Ratio Lower Upper
 105 100
 120 44.9 34.6 52.0

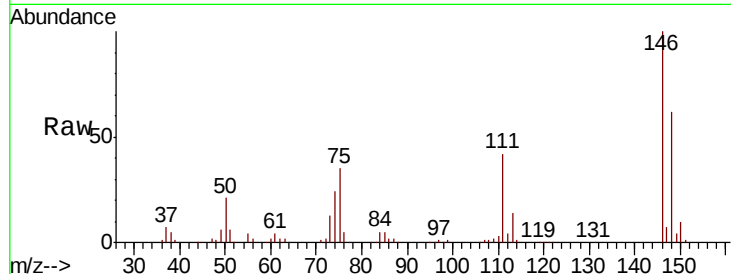




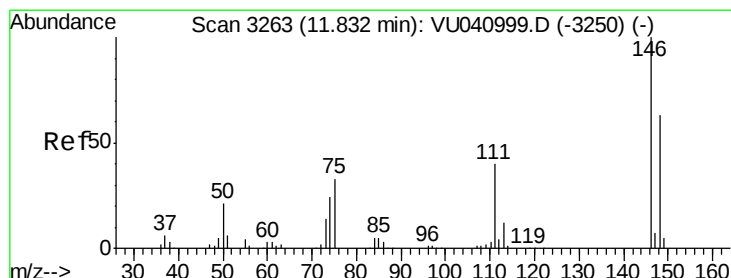
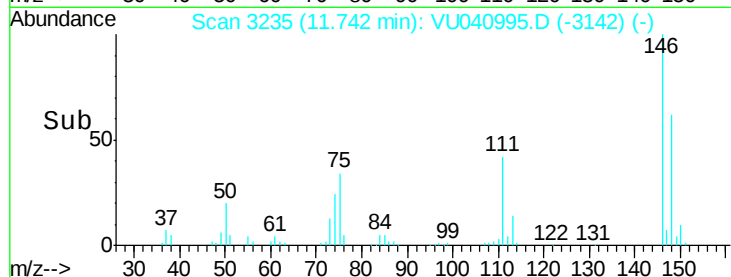
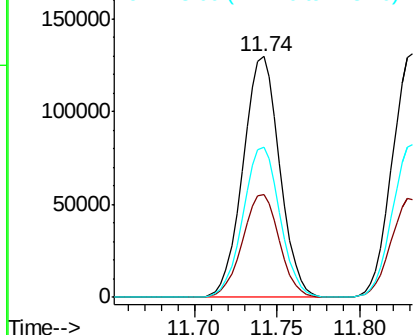
#64
 1,3-Dichlorobenzene
 Concen: 17.264 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion:146 Resp: 199039
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.2 56.0
 148 62.4 42.9 79.7

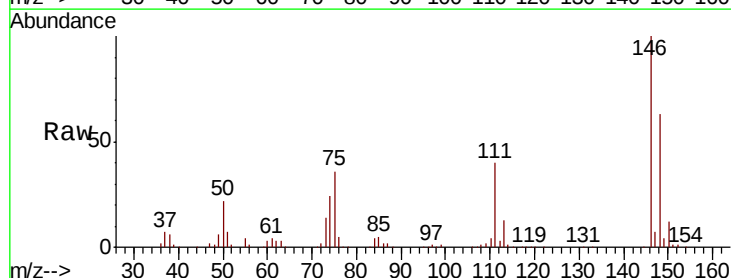


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

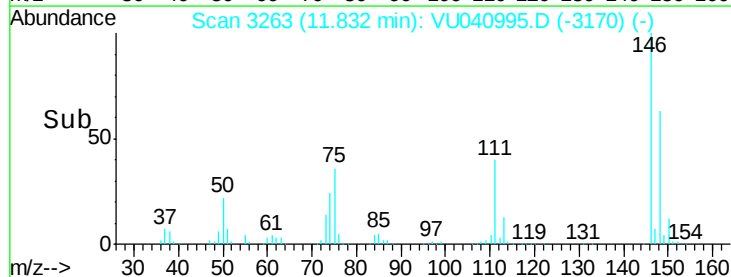
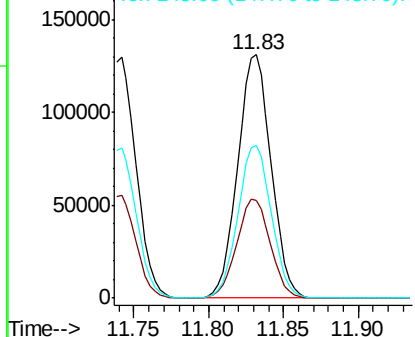


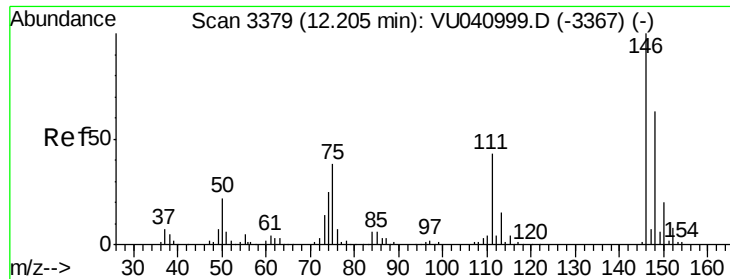
#65
 1,4-Dichlorobenzene
 Concen: 17.089 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Tgt Ion:146 Resp: 203410
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.3 52.7
 148 62.7 44.1 81.9



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

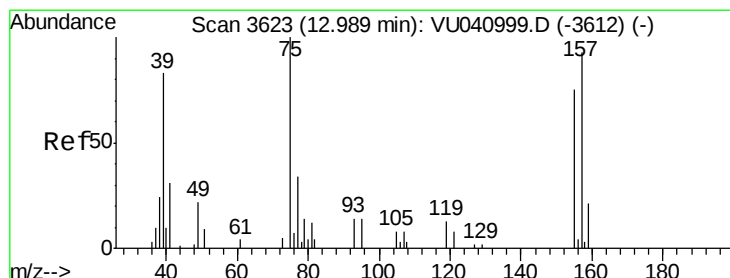
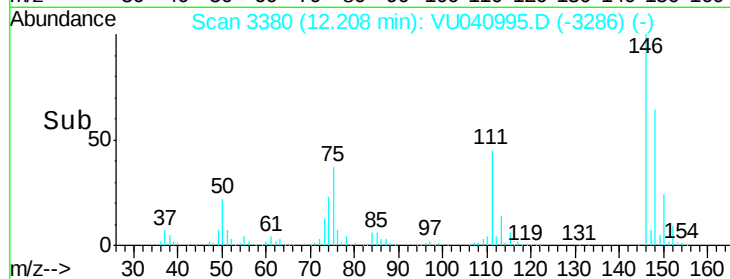
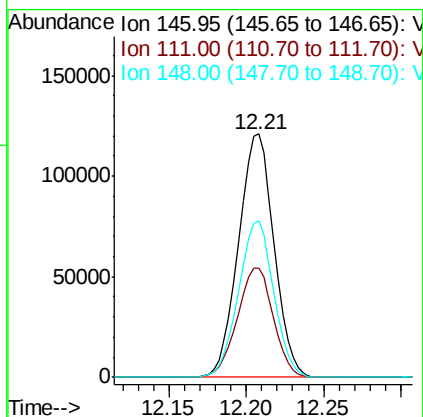
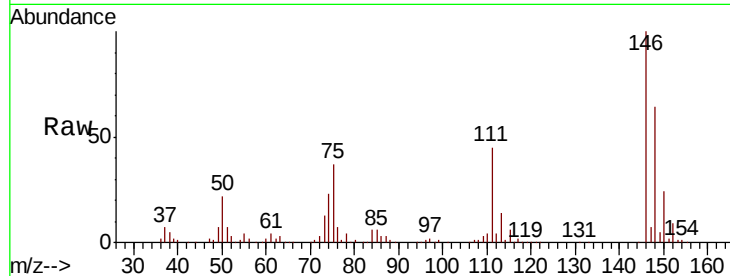




#67
 1,2-Dichlorobenzene
 Concen: 17.776 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

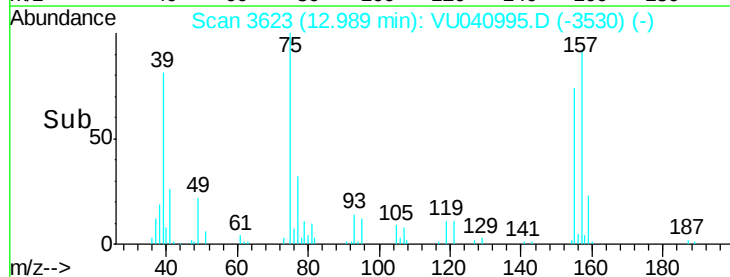
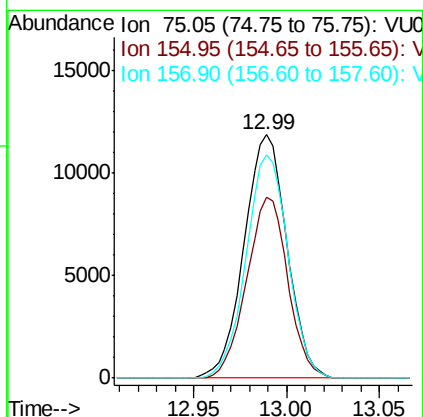
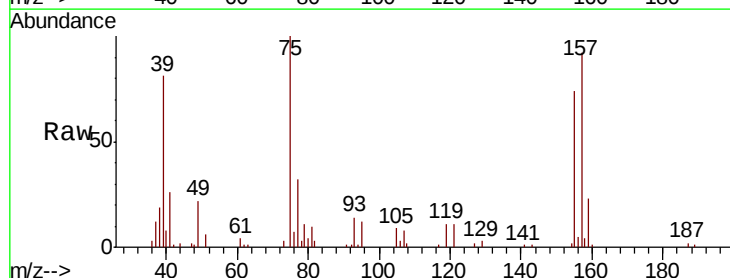
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

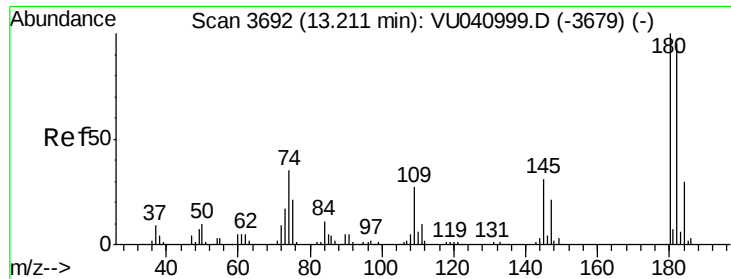
Tot Ion:146 Resp: 192868
 Ion Ratio Lower Upper
 146 100
 111 45.1 34.7 52.1
 148 64.1 50.7 76.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 18.474 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Tgt Ion: 75 Resp: 19049
 Ion Ratio Lower Upper
 75 100
 155 74.1 60.2 90.2
 157 91.7 74.4 111.6

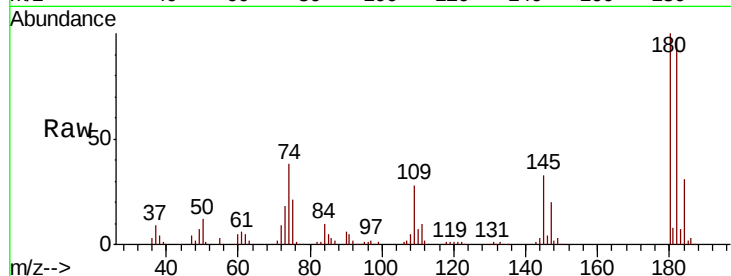




#69
 1,3,5-Trichlorobenzene
 Concen: 17.943 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.9	115.3
184	30.8	23.8	35.8
145	32.1	25.2	37.8

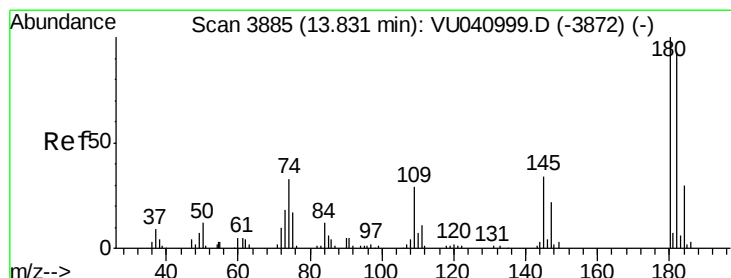
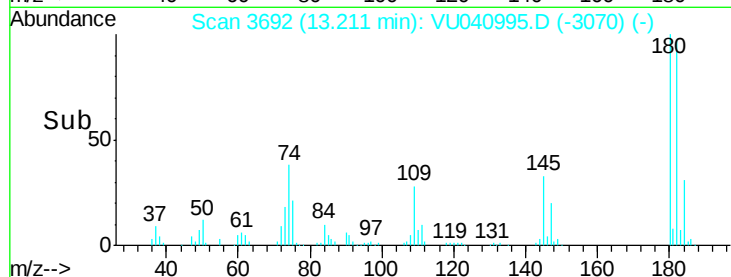
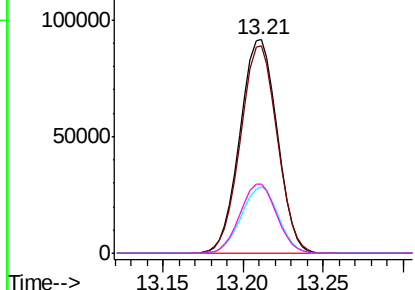


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

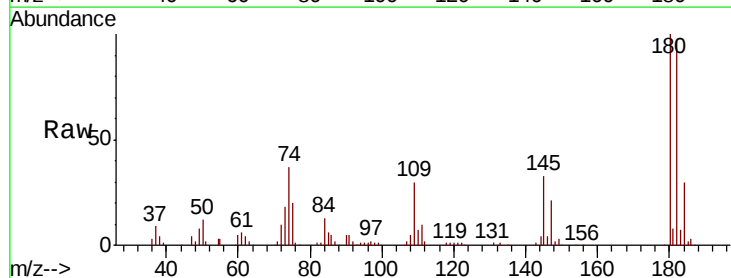
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 19.822 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040995.D
 Acq: 28 Oct 2020 12:32

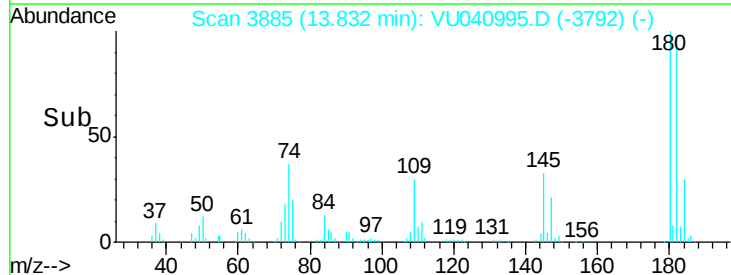
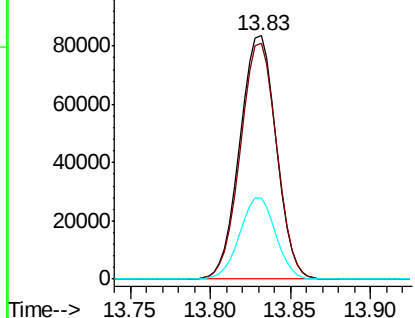
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	74.5	111.7
145	33.1	26.6	39.8

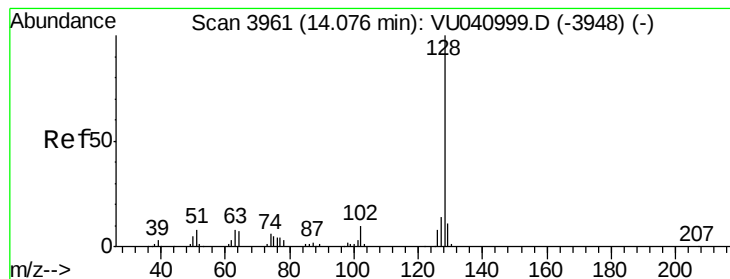


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 24.459 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

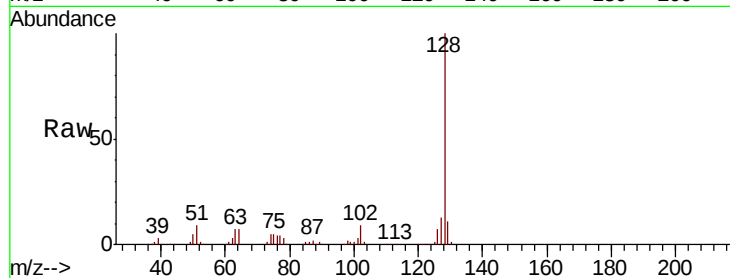
Tot Ion:128 Resp: 274445

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

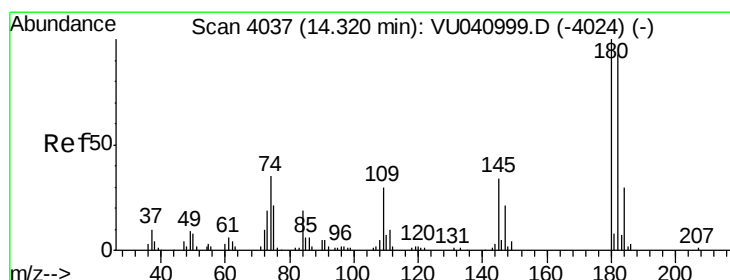
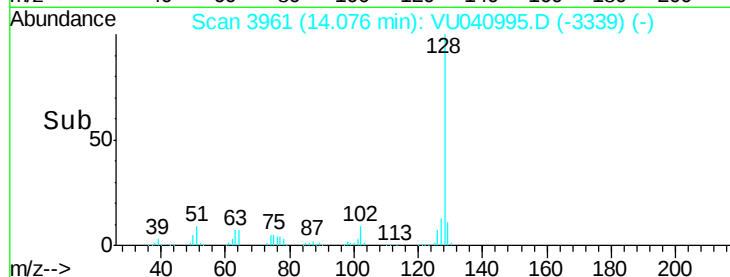
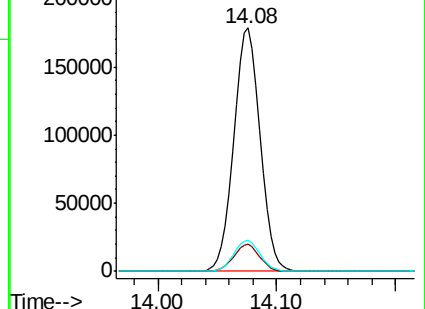
127 12.9 11.2 16.8



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



#72

1,2,3-Trichlorobenzene

Concen: 20.715 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040995.D

Acq: 28 Oct 2020 12:32

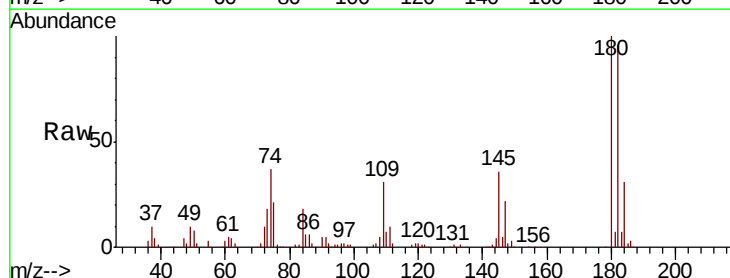
Tgt Ion:180 Resp: 121895

Ion Ratio Lower Upper

180 100

182 94.8 76.7 115.1

145 35.4 27.4 41.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

