

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120320\
 Data File : VU041454.D
 Acq On : 03 Dec 2020 17:07
 Operator : SY/MD
 Sample : VSTD01002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD01002

Quant Time: Dec 04 01:54:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 04 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59319	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57945	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32600	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	35985	8.98	ug/L	0.00
7) Chloroethane-d5	1.92	69	29611	10.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	83621	10.42	ug/L	0.00
20) 2-Butanone-d5	4.65	46	120578	114.71	ug/L	0.00
24) Chloroform-d	5.08	84	90204	10.63	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	58915	11.59	ug/L	0.00
32) Benzene-d6	5.74	84	141085	10.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	40498	9.35	ug/L	0.00
41) Toluene-d8	7.90	98	139345	10.69	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	24532	11.92	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	94440	138.59	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43540	11.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	58491	10.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	64887	11.173	ug/L 100
3) Chloromethane	1.53	50	38985	8.329	ug/L 98
5) Vinyl chloride	1.61	62	45335	8.999	ug/L 99
6) Bromomethane	1.87	94	30880	14.453	ug/L 96
8) Chloroethane	1.94	64	28490	9.673	ug/L 93
9) Trichlorofluoromethane	2.15	101	102545	12.200	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	43807	10.634	ug/L 97
12) 1,1-Dichloroethene	2.59	96	37477	10.324	ug/L 90
13) Acetone	2.66	43	96489	129.619	ug/L 98
14) Carbon disulfide	2.81	76	102604	8.448	ug/L 99
15) Methyl Acetate	2.97	43	19337	11.726	ug/L 98
16) Methylene chloride	3.06	84	43127	8.400	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	121363	12.924	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	38996	9.979	ug/L 98
19) 1,1-Dichloroethane	3.89	63	76203	9.831	ug/L 97
21) 2-Butanone	4.73	43	129143	113.491	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	43651	10.382	ug/L 93
23) Bromochloromethane	4.99	128	22024	11.818	ug/L 94
25) Chloroform	5.11	83	90327	10.320	ug/L 94
27) 1,2-Dichloroethane	5.81	62	72859	12.510	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	91184	12.283	ug/L 100
30) Cyclohexane	5.40	56	58157	9.891	ug/L 97
31) Carbon tetrachloride	5.54	117	82909	12.312	ug/L 99
33) Benzene	5.79	78	163094	10.608	ug/L 100
34) Trichloroethene	6.55	95	47290	11.219	ug/L 98
35) Methylcyclohexane	6.77	83	66203	10.975	ug/L 99
37) 1,2-Dichloropropane	6.80	63	39478	9.583	ug/L 99
38) Bromodichloromethane	7.11	83	68157	11.677	ug/L 96
39) cis-1,3-Dichloropropene	7.61	75	68982	11.779	ug/L 95
40) 4-Methyl-2-pentanone	7.80	43	292485	113.127	ug/L 97

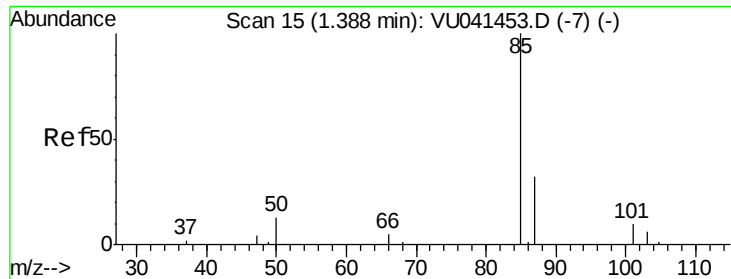
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120320\
 Data File : VU041454.D
 Acq On : 03 Dec 2020 17:07
 Operator : SY/MD
 Sample : VSTD01002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD01002

Quant Time: Dec 04 01:54:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 04 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	182421	11.107	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	69905	12.898	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	34451	11.703	ug/L	98
47) Tetrachloroethene	8.56	164	38655	12.146	ug/L	97
48) 2-Hexanone	8.69	43	222481	116.689	ug/L	99
49) Dibromochloromethane	8.82	129	51331	13.319	ug/L	97
50) 1,2-Dibromoethane	8.93	107	35274	12.390	ug/L	97
51) Chlorobenzene	9.45	112	120018	11.172	ug/L	97
52) Ethylbenzene	9.57	91	217633	12.281	ug/L	99
53) m,p-Xylene	9.69	106	79278	12.242	ug/L	100
54) o-Xylene	10.10	106	77020	12.311	ug/L	95
55) Styrene	10.11	104	139575	13.235	ug/L	98
56) Isopropylbenzene	10.48	105	218778	12.874	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	45430	12.638	ug/L	89
59) 1,2,3-Trichloropropane	10.82	75	36144	12.869	ug/L	97
61) Bromoform	10.29	173	29890	12.478	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	106321	11.248	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	105440	11.240	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	102322	11.639	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10499	14.673	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	81887	12.106	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	69876	13.098	ug/L	99
69) Naphthalene	14.08	128	123214	14.811	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	63766	13.175	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 11.173 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

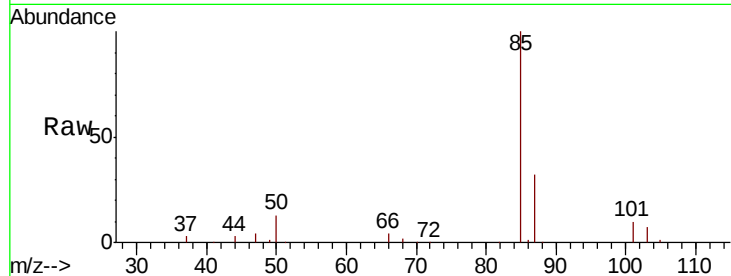
VSTD01002

Tot Ion: 85 Resp: 64887

Ion Ratio Lower Upper

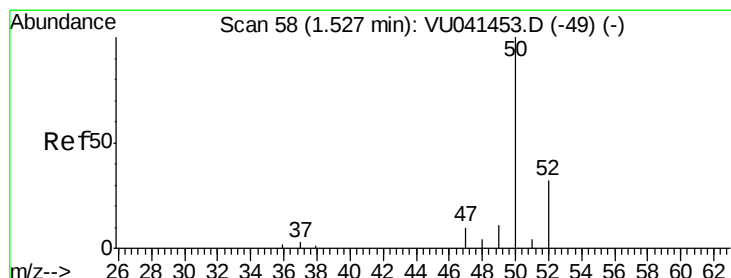
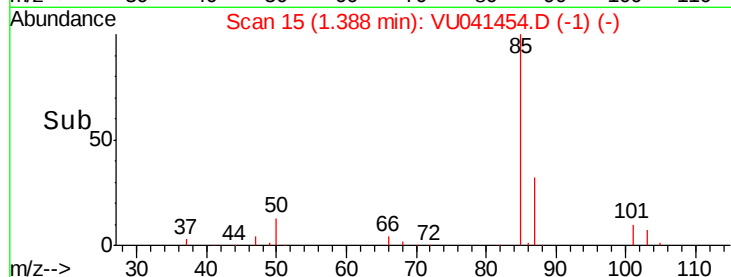
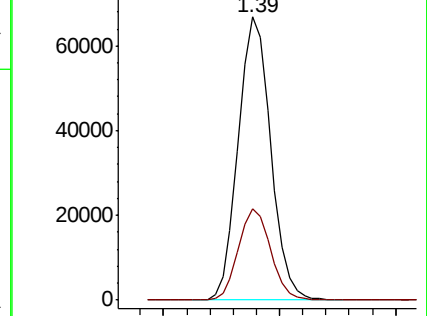
85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 8.329 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041454.D

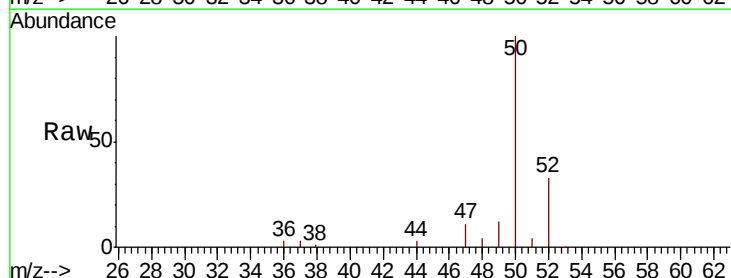
Acq: 03 Dec 2020 17:07

Tgt Ion: 50 Resp: 38985

Ion Ratio Lower Upper

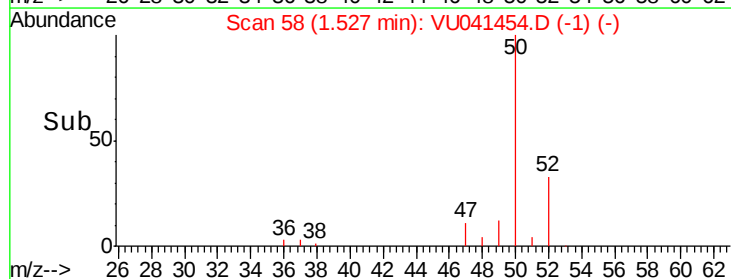
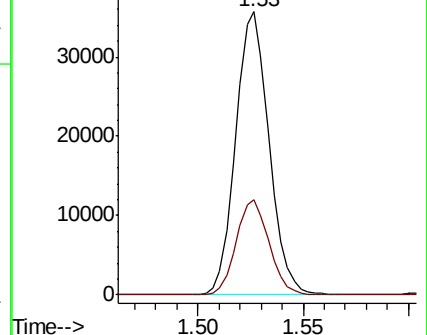
50 100

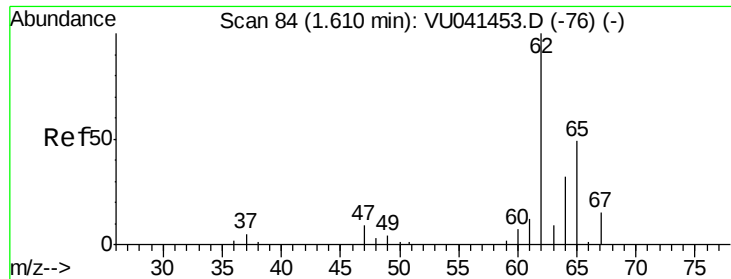
52 33.4 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 8.999 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

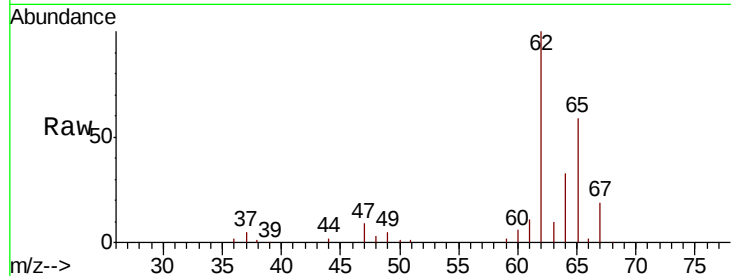
VSTD01002

Tot Ion: 62 Resp: 45335

Ion Ratio Lower Upper

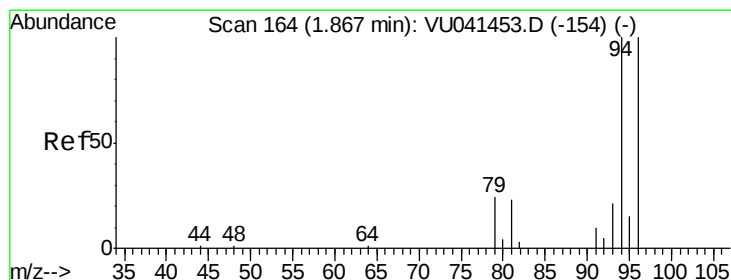
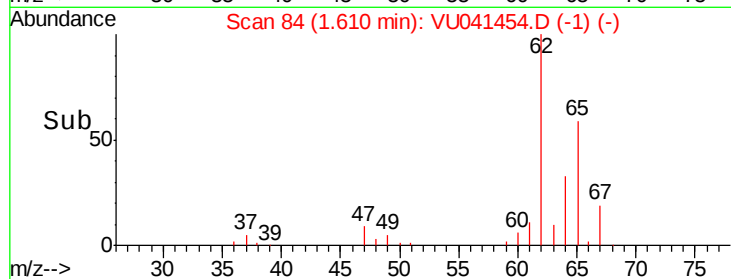
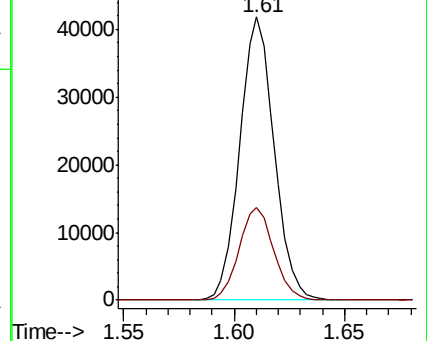
62 100

64 32.9 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041453.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU041453.D (-76) (-)



#6

Bromomethane

Concen: 14.453 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041454.D

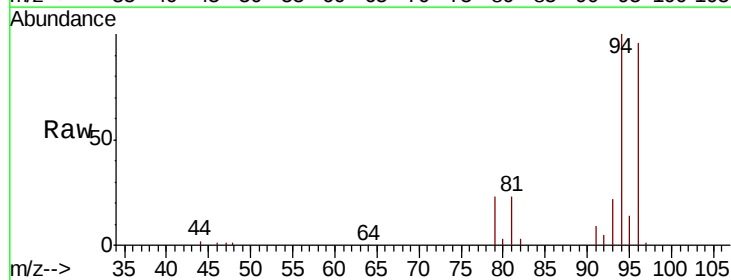
Acq: 03 Dec 2020 17:07

Tgt Ion: 94 Resp: 30880

Ion Ratio Lower Upper

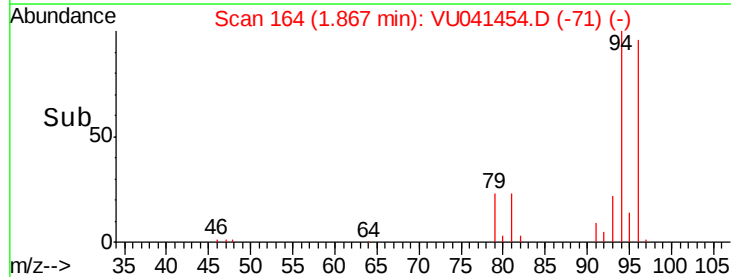
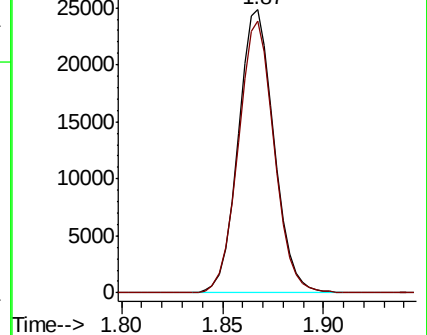
94 100

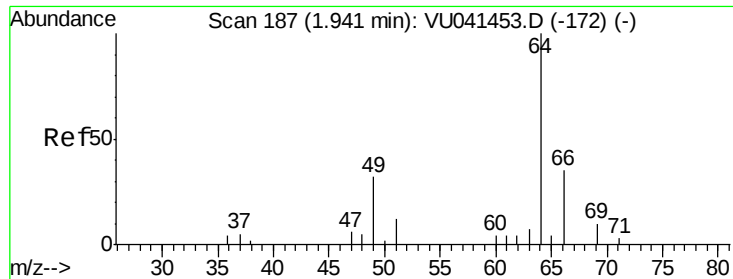
96 96.3 69.9 129.7



Abundance Ion 94.00 (93.70 to 94.70): VU041453.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041453.D (-154) (-)





#8

Chloroethane

Concen: 9.673 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

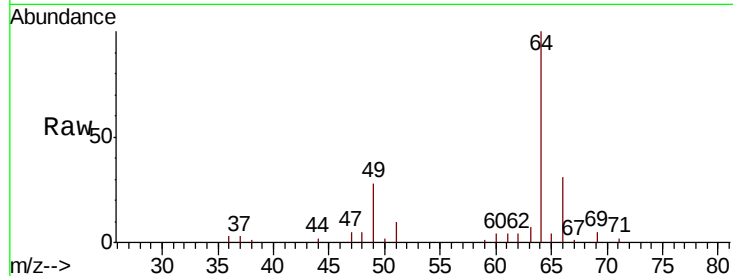
VSTD01002

Tot Ion: 64 Resp: 28490

Ion Ratio Lower Upper

64 100

66 30.6 24.1 44.7



Abundance Ion 64.10 (63.80 to 64.80): VU041453.D (-172) (-)

Ion 66.05 (65.75 to 66.75): VU041453.D (-172) (-)

1.94

20000

15000

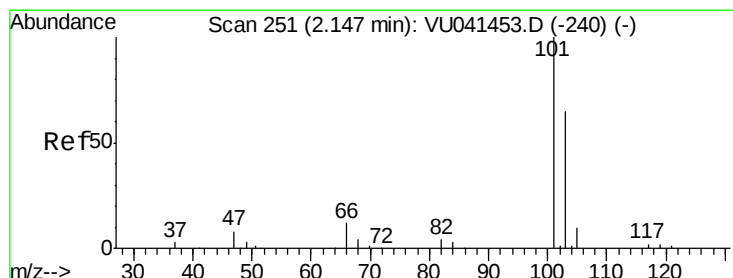
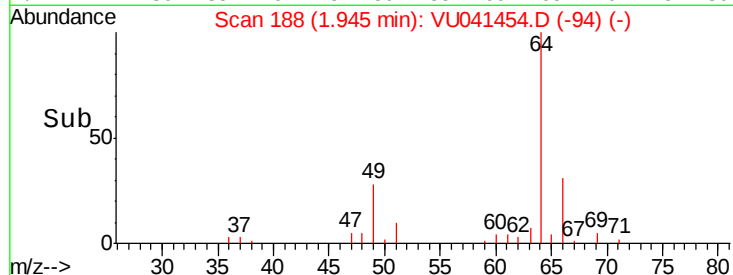
10000

5000

0

Time-->

1.85 1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 12.200 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041454.D

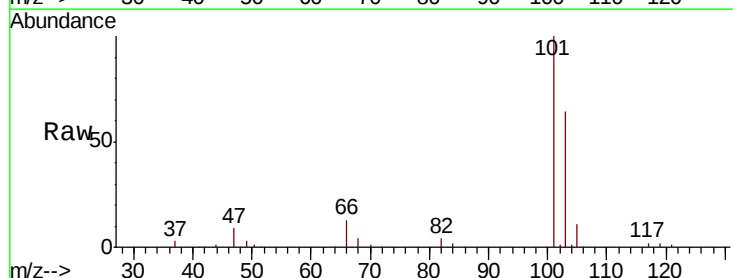
Acq: 03 Dec 2020 17:07

Tgt Ion: 101 Resp: 102545

Ion Ratio Lower Upper

101 100

103 64.2 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU041453.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041453.D (-240) (-)

2.15

80000

60000

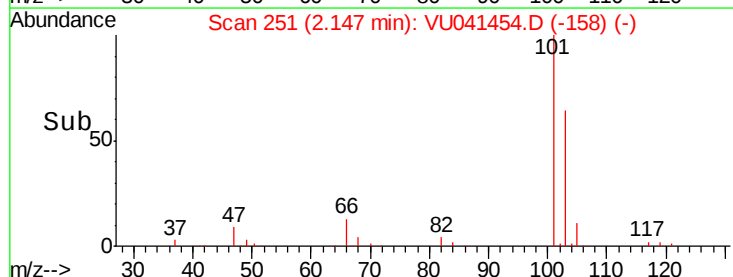
40000

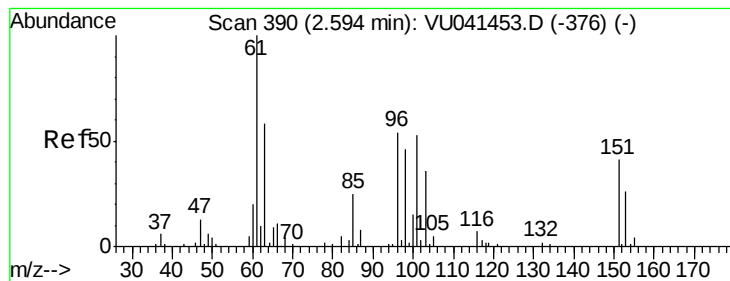
20000

0

Time-->

2.10 2.15 2.20





#10

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

Concen: 10.634 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD01002

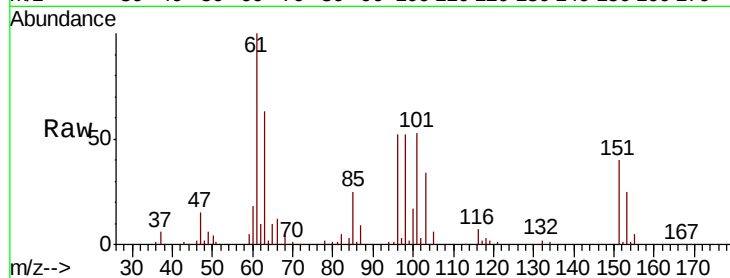
Tot Ion:101 Resp: 43807

Ion Ratio Lower Upper

101 100

85 48.3 37.4 56.0

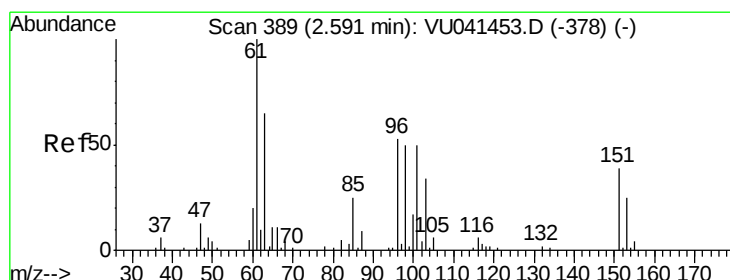
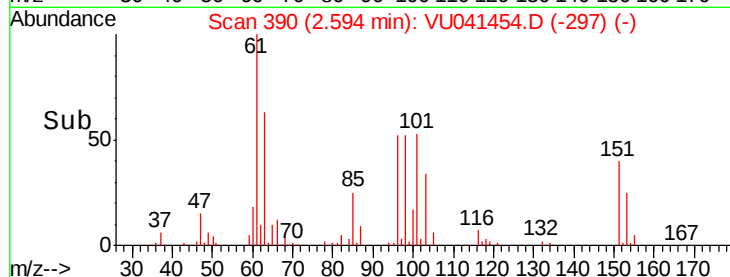
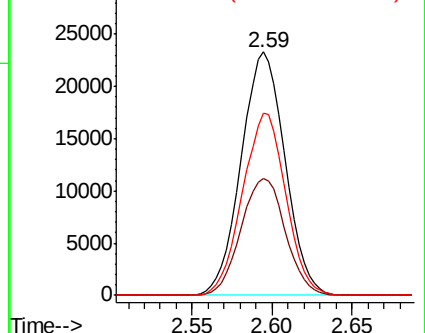
151 73.7 61.8 92.8



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: 10.324 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

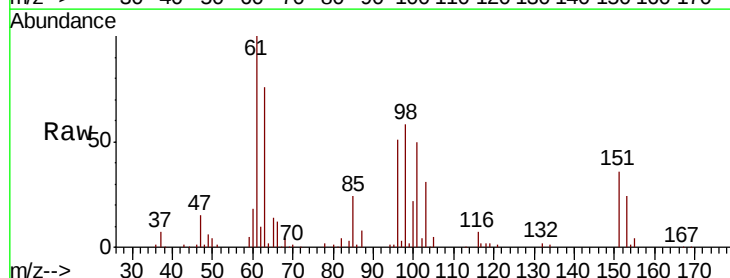
Tgt Ion: 96 Resp: 37477

Ion Ratio Lower Upper

96 100

61 197.6 132.6 246.2

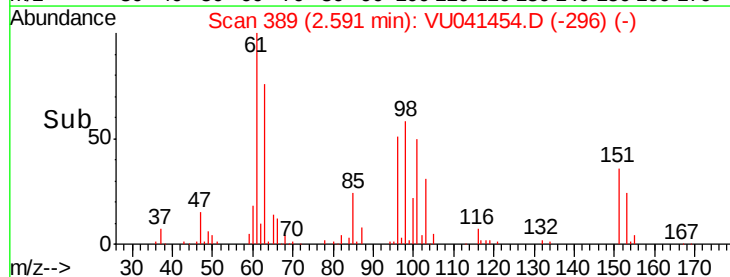
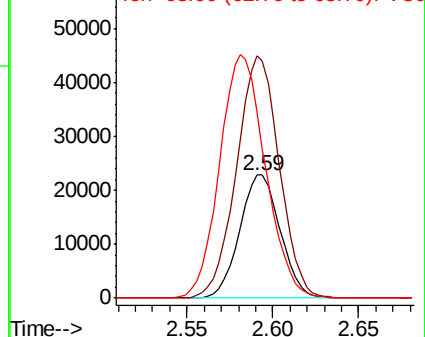
63 150.8 91.9 170.7

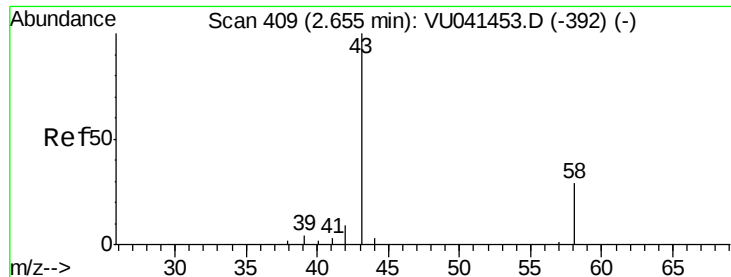


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 129.619 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

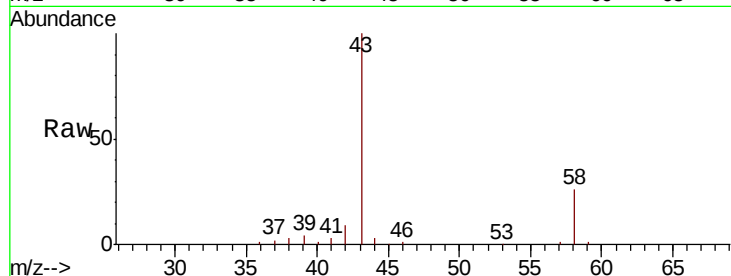
VSTD01002

Tot Ion: 43 Resp: 96489

Ion Ratio Lower Upper

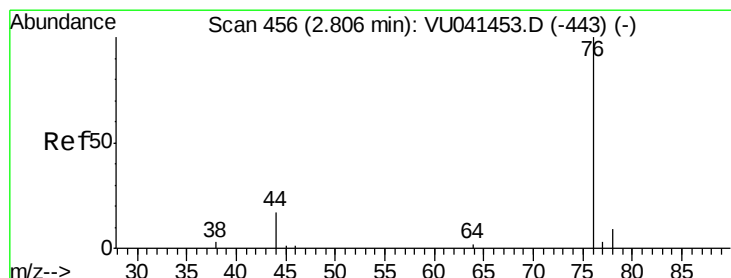
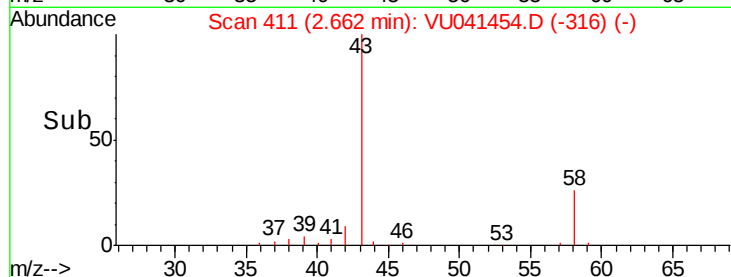
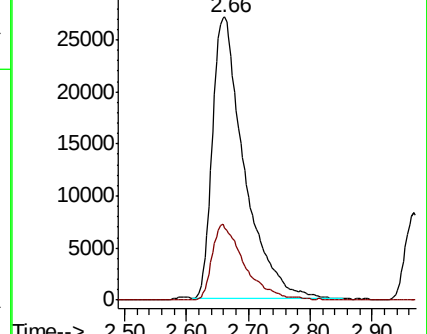
43 100

58 27.4 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU041453.D (-392) (-)

Ion 58.05 (57.75 to 58.75): VU041453.D (-392) (-)



#14

Carbon disulfide

Concen: 8.448 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041454.D

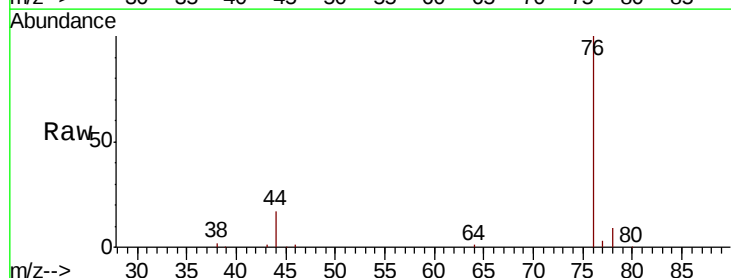
Acq: 03 Dec 2020 17:07

Tgt Ion: 76 Resp: 102604

Ion Ratio Lower Upper

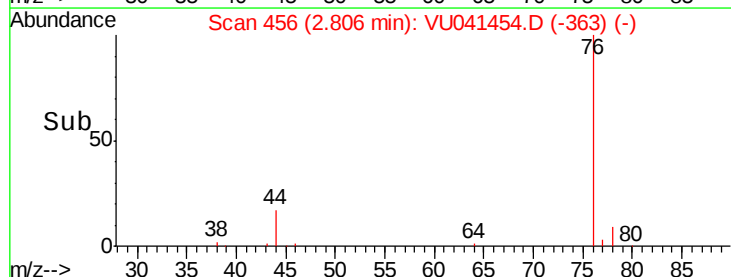
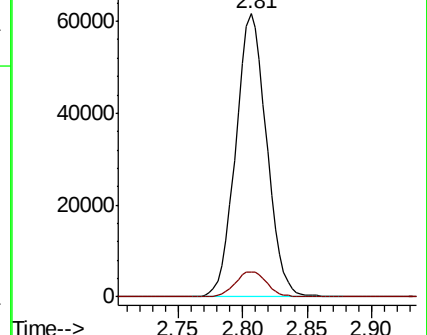
76 100

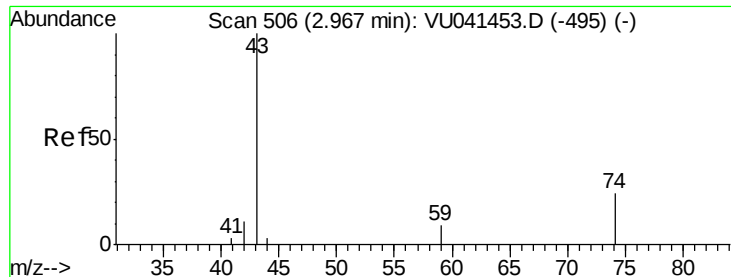
78 9.0 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041453.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041453.D (-443) (-)





#15

Methyl Acetate

Concen: 11.726 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

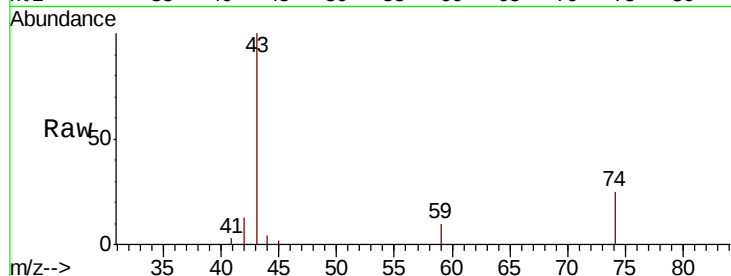
VSTD01002

Tot Ion: 43 Resp: 19337

Ion Ratio Lower Upper

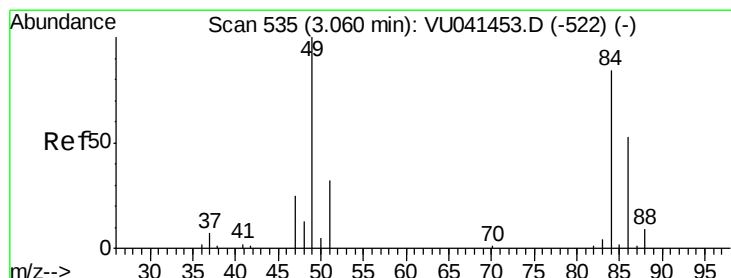
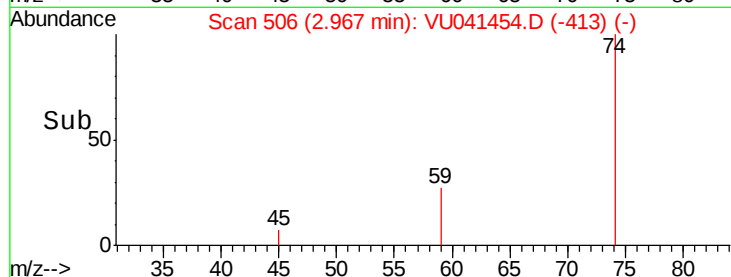
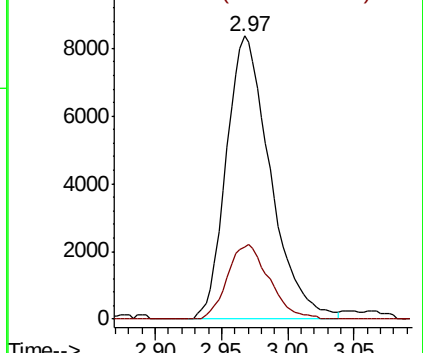
43 100

74 25.0 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 8.400 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

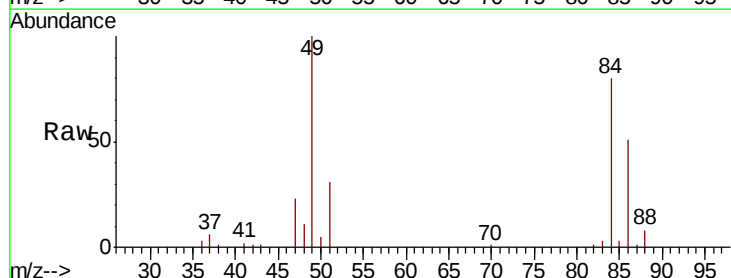
Tgt Ion: 84 Resp: 43127

Ion Ratio Lower Upper

84 100

86 64.0 44.3 82.3

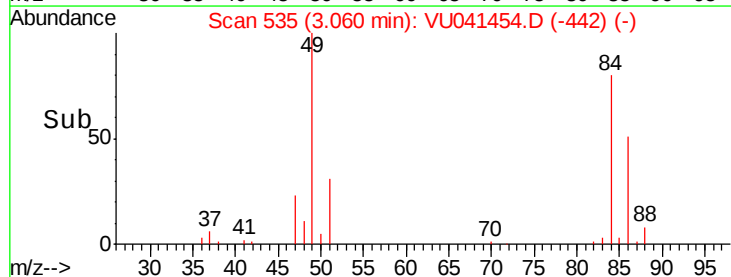
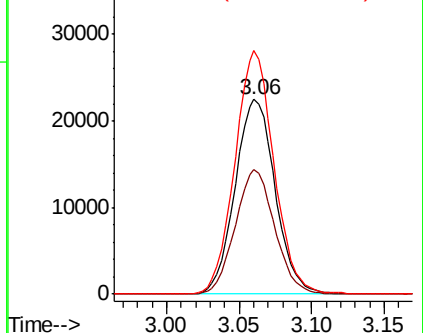
49 124.9 83.2 154.4

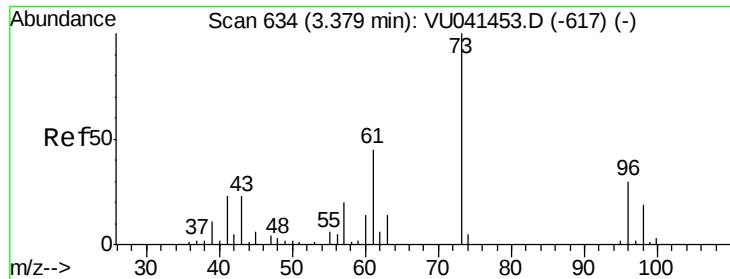


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

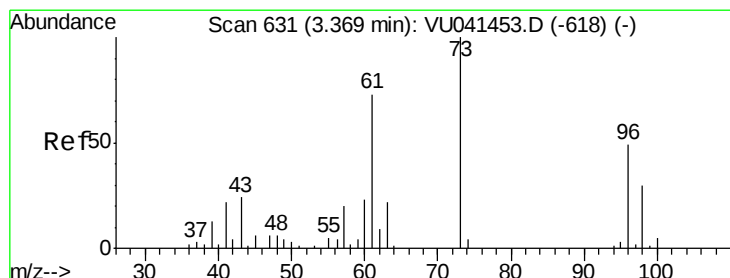
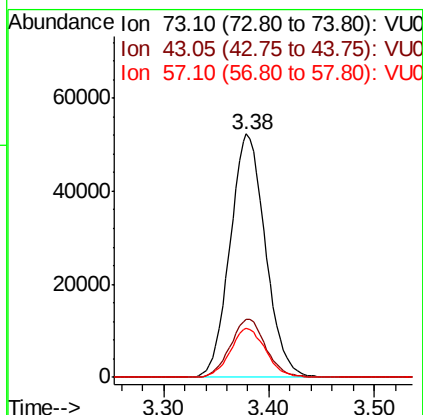
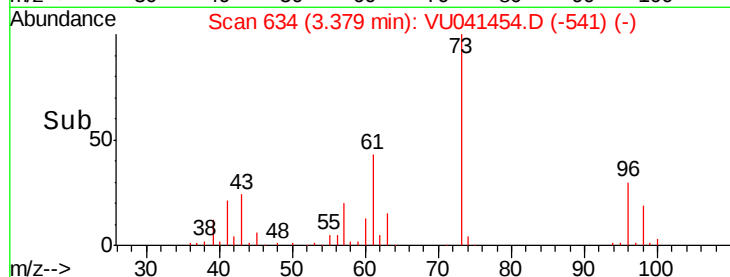
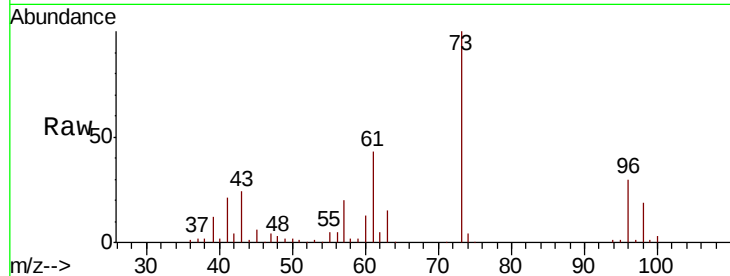




#17
Methvl tert-butvl Ether
Concen: 12.924 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041454.D
Acq: 03 Dec 2020 17:07

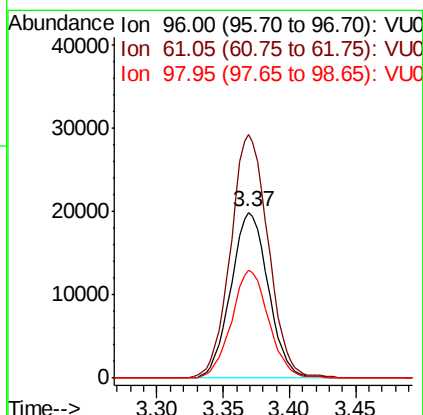
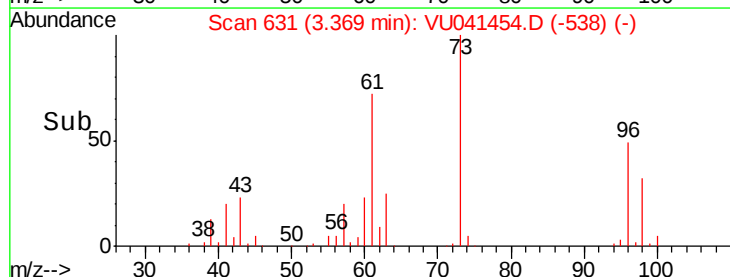
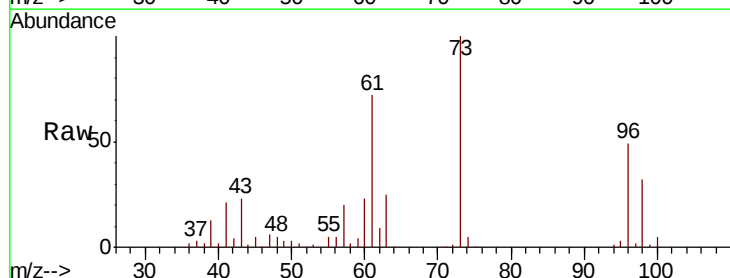
Instrument :
MSVOA_Y
ClientSampleId :
VSTD01002

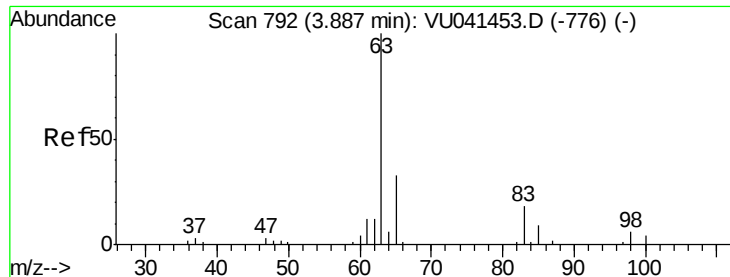
Tot Ion: 73 Resp: 121363
Ion Ratio Lower Upper
73 100
43 24.2 19.3 28.9
57 20.2 16.1 24.1



#18
trans-1,2-Dichloroethene
Concen: 9.979 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041454.D
Acq: 03 Dec 2020 17:07

Tgt Ion: 96 Resp: 38996
Ion Ratio Lower Upper
96 100
61 146.9 104.4 193.8
98 64.9 43.6 81.0

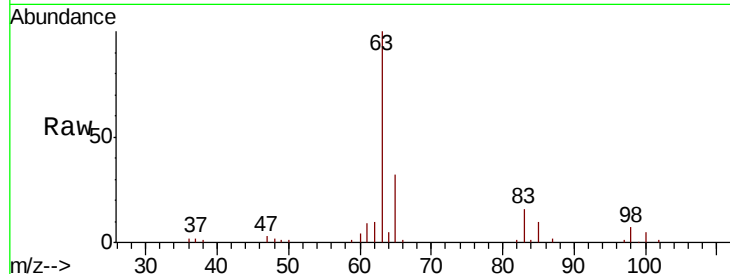




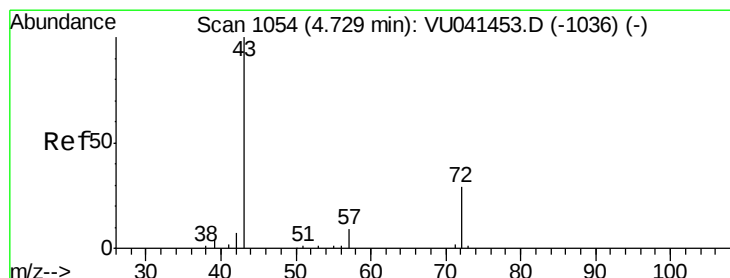
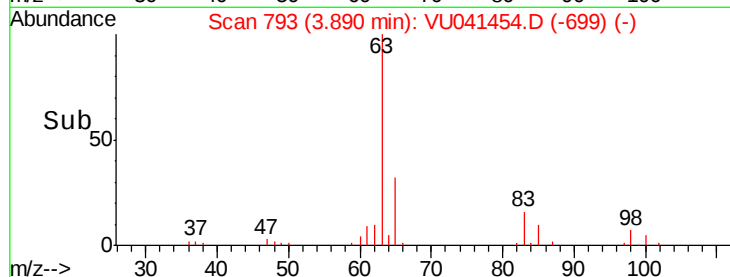
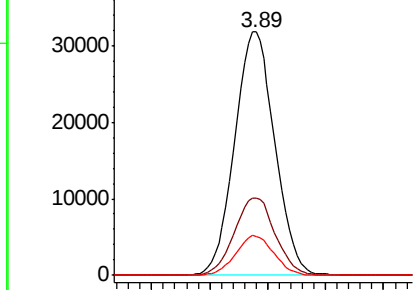
#19
 1,1-Dichloroethane
 Concen: 9.831 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD01002

Tot Ion: 63 Resp: 76203
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.3 43.3
 83 16.0 12.4 23.0

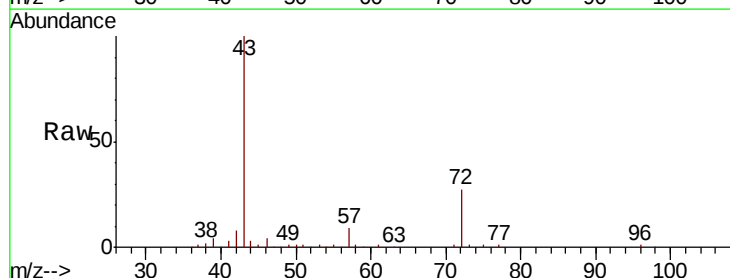


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

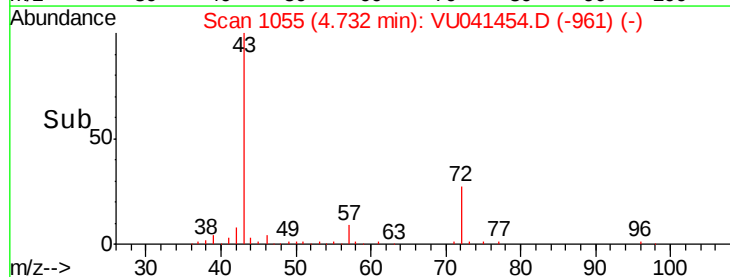
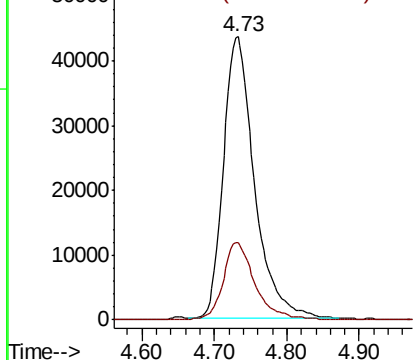


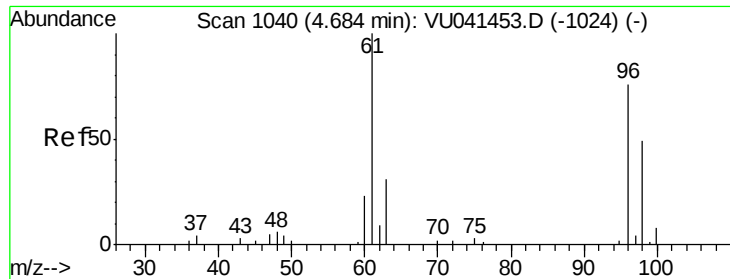
#21
 2-Butanone
 Concen: 113.491 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Tgt Ion: 43 Resp: 129143
 Ion Ratio Lower Upper
 43 100
 72 28.4 14.9 44.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



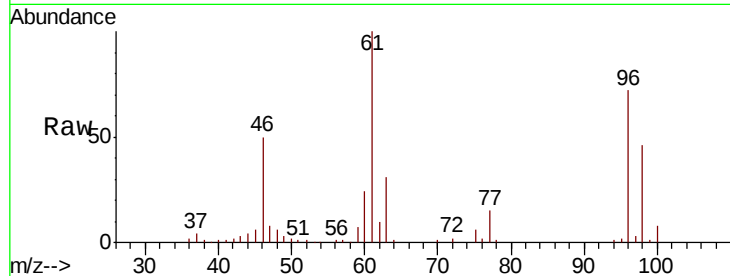


#22

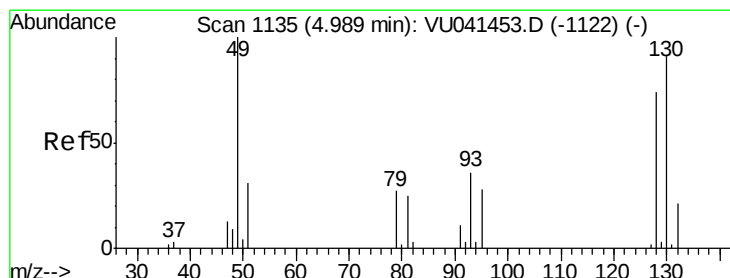
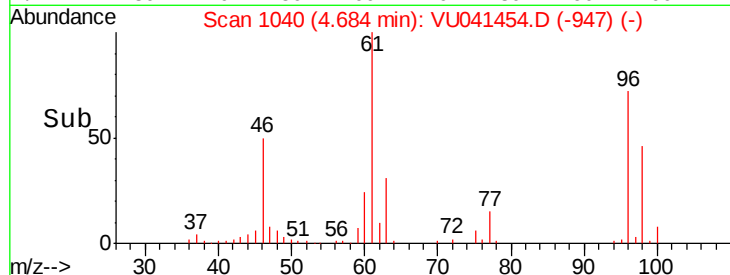
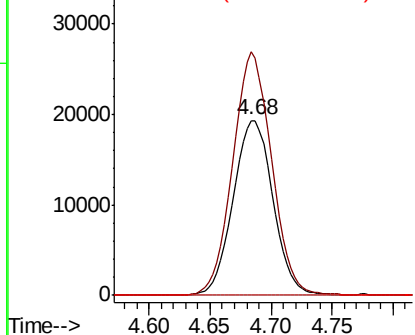
cis-1,2-Dichloroethene
 Concen: 10.382 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD01002

Tot Ion: 96 Resp: 43651
 Ion Ratio Lower Upper
 96 100
 61 139.1 91.7 170.3
 68 0.0 0.0 0.0



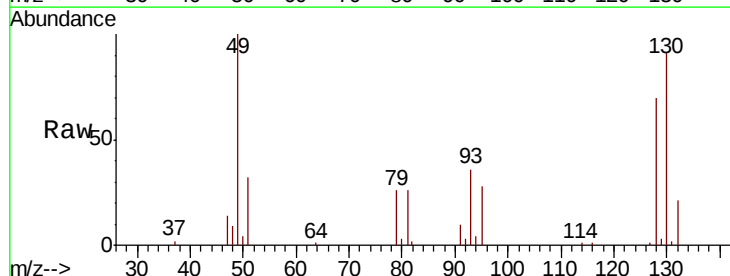
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



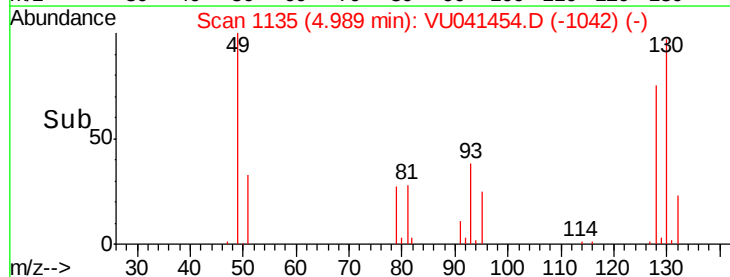
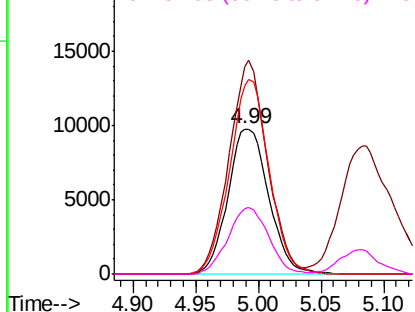
#23

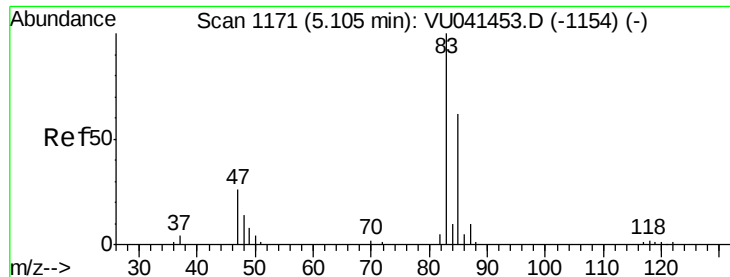
Bromochloromethane
 Concen: 11.818 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Tgt Ion:128 Resp: 22024
 Ion Ratio Lower Upper
 128 100
 49 142.6 94.7 175.9
 130 129.7 85.9 159.5
 51 45.2 33.9 50.9



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

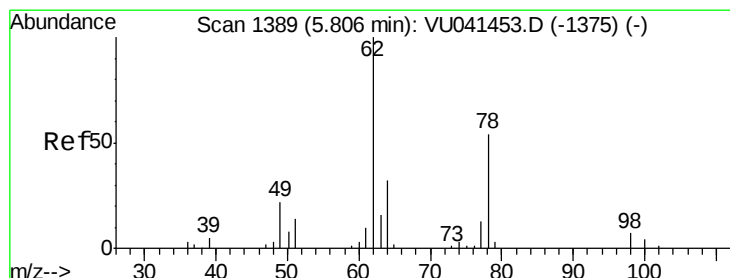
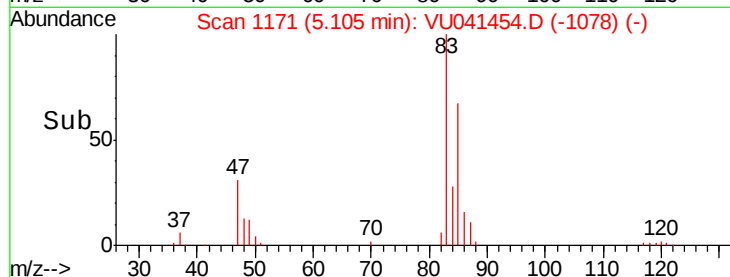
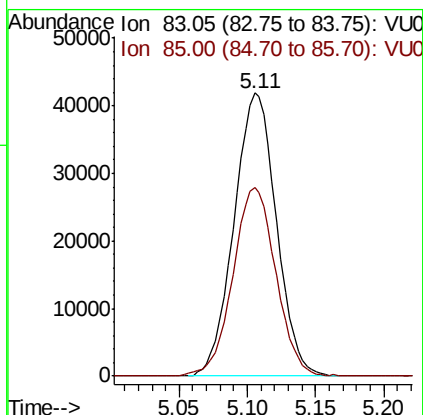
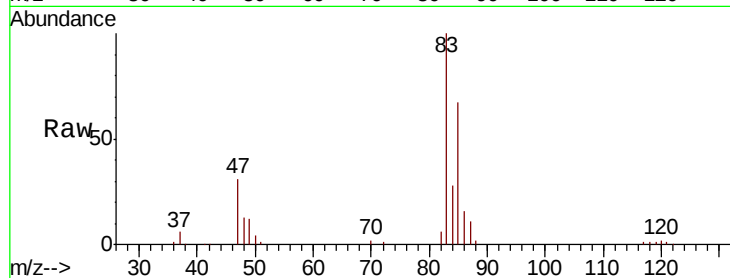




#25
Chloroform
Concen: 10.320 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041454.D
Acq: 03 Dec 2020 17:07

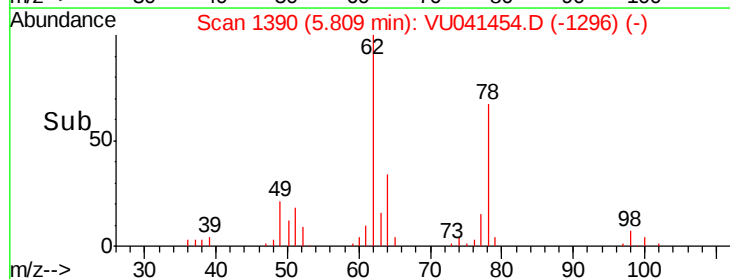
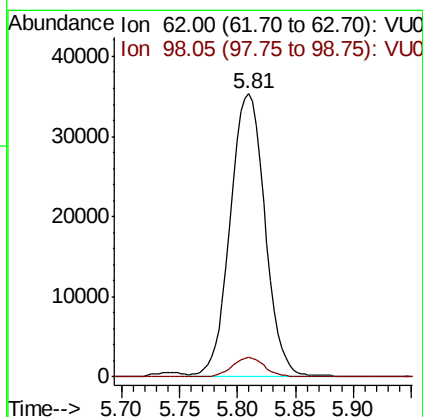
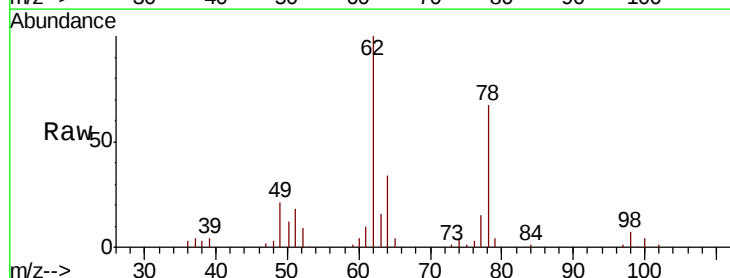
Instrument :
MSVOA_Y
ClientSampleId :
VSTD01002

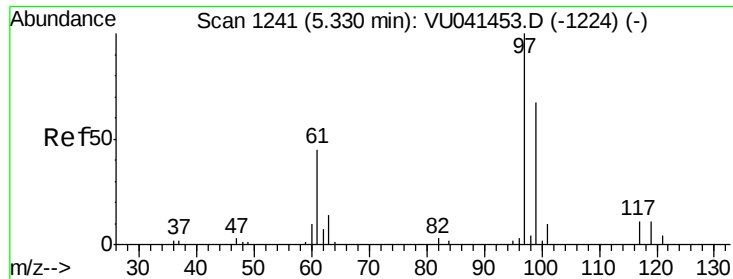
Tot Ion: 83 Resp: 90327
Ion Ratio Lower Upper
83 100
85 66.7 43.7 81.1



#27
1,2-Dichloroethane
Concen: 12.510 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041454.D
Acq: 03 Dec 2020 17:07

Tgt Ion: 62 Resp: 72859
Ion Ratio Lower Upper
62 100
98 6.9 5.6 8.4

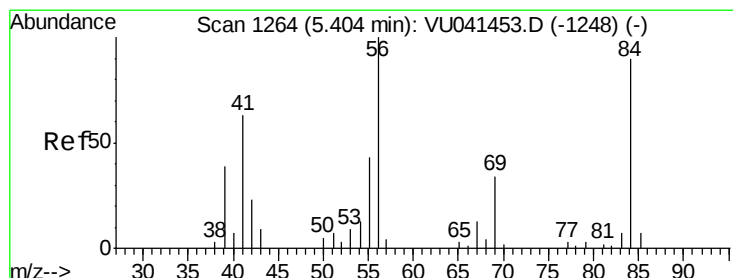
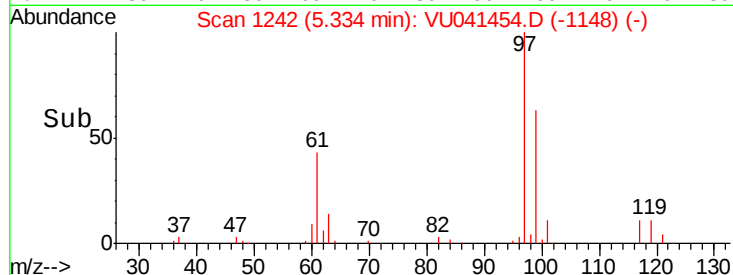
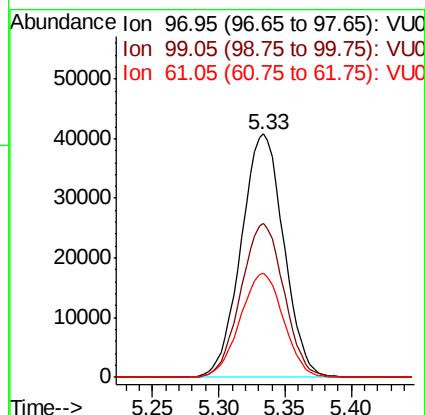
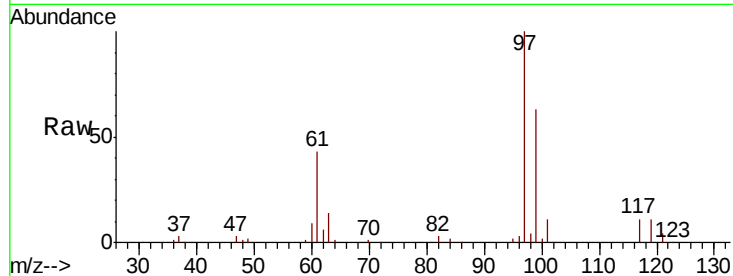




#29
 1,1,1-Trichloroethane
 Concen: 12.283 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

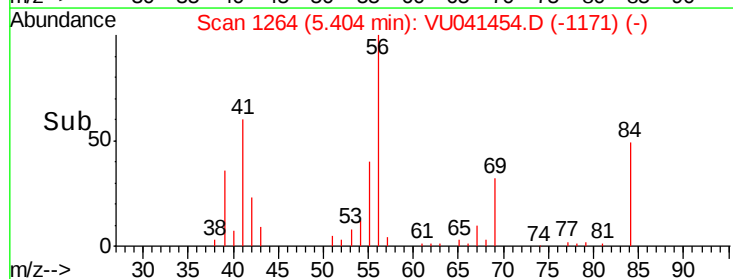
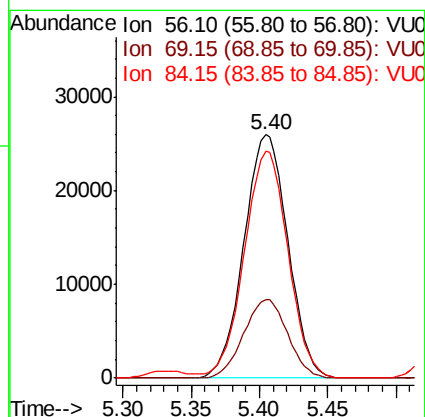
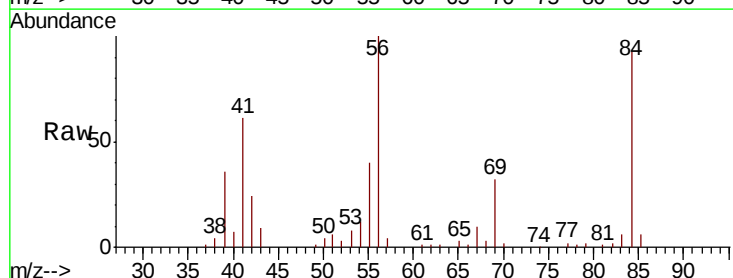
Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTD01002

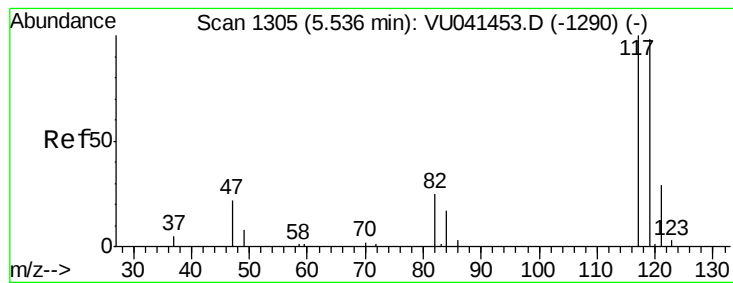
Tot Ion: 97 Resp: 91184
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.6
 61 43.6 34.7 52.1



#30
 Cyclohexane
 Concen: 9.891 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Tgt Ion: 56 Resp: 58157
 Ion Ratio Lower Upper
 56 100
 69 32.1 26.6 39.8
 84 92.8 76.7 115.1





#31

Carbon tetrachloride

Concen: 12.312 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.01 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

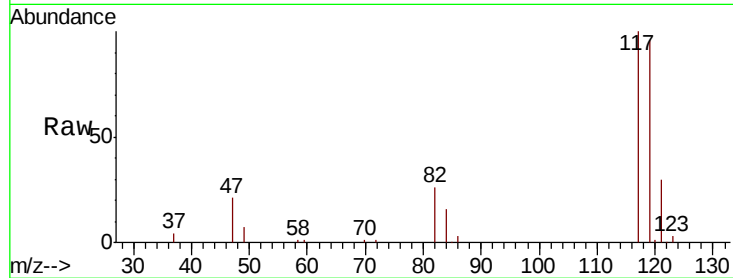
VSTD01002

Tot Ion:117 Resp: 82909

Ion Ratio Lower Upper

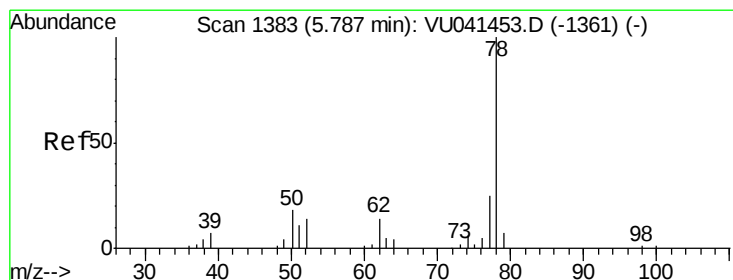
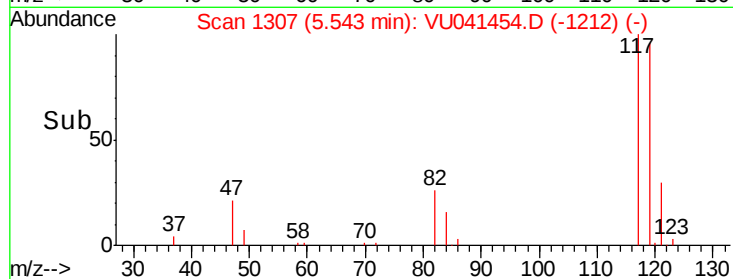
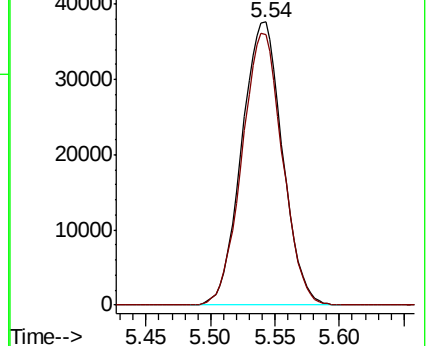
117 100

119 95.3 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.608 ug/L

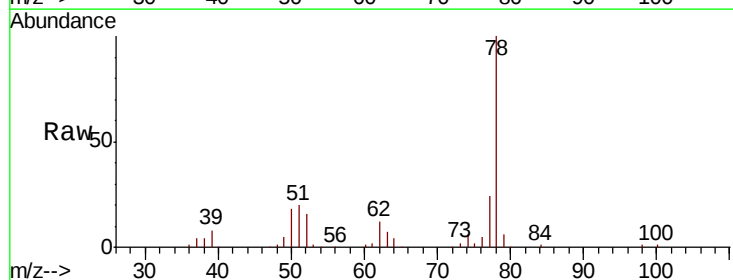
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

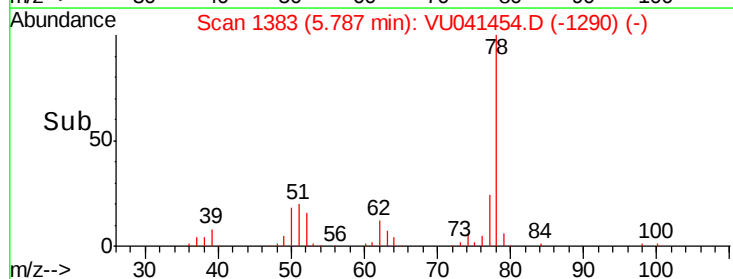
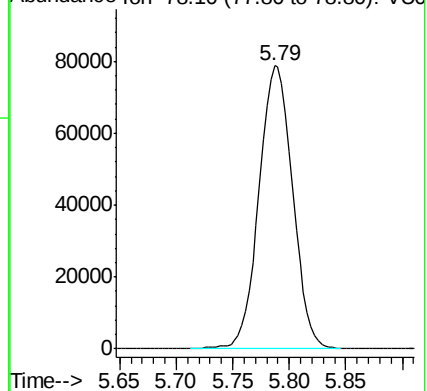
Lab File: VU041454.D

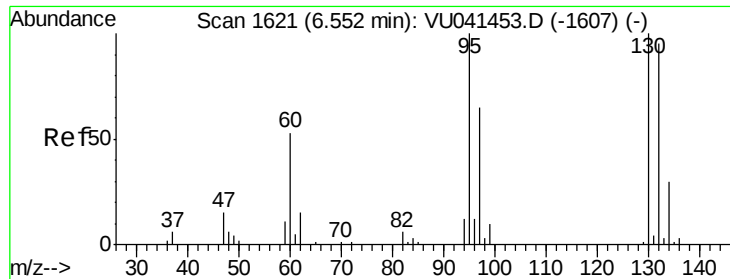
Acq: 03 Dec 2020 17:07

Tgt Ion: 78 Resp: 163094



Abundance Ion 78.10 (77.80 to 78.80): VU0

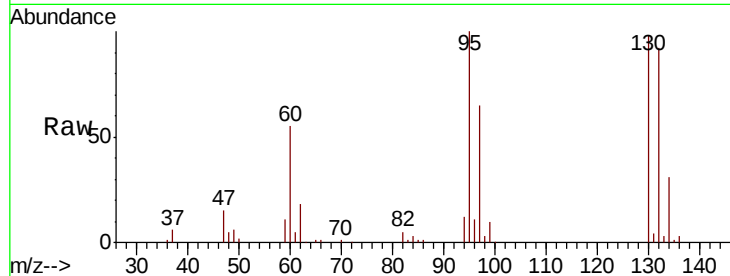




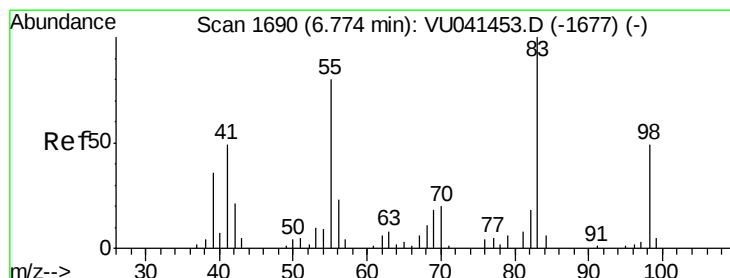
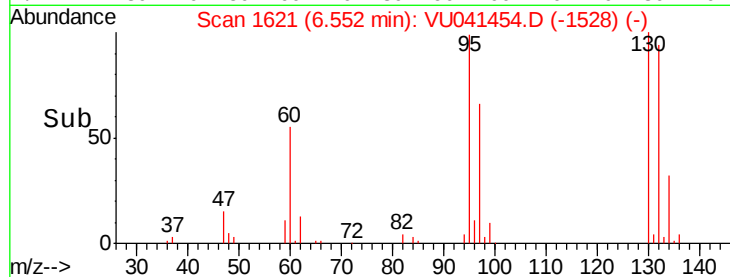
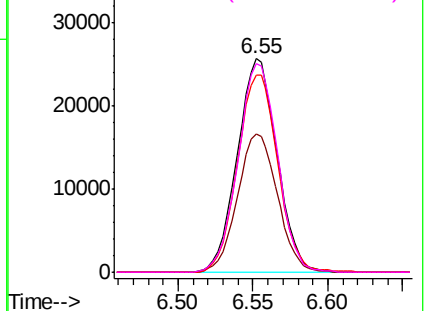
#34
 Trichloroethene
 Concen: 11.219 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD01002

Tot Ion: 95 Resp: 47290
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.8 85.0
 132 92.3 66.5 123.5
 130 97.7 70.3 130.5

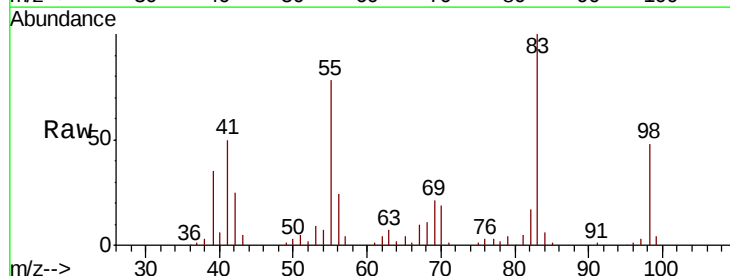


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

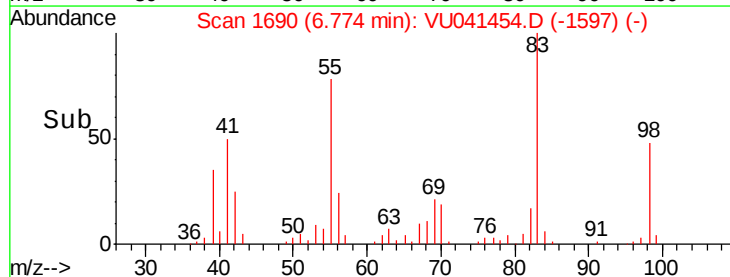
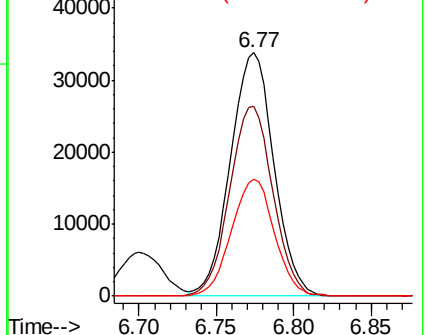


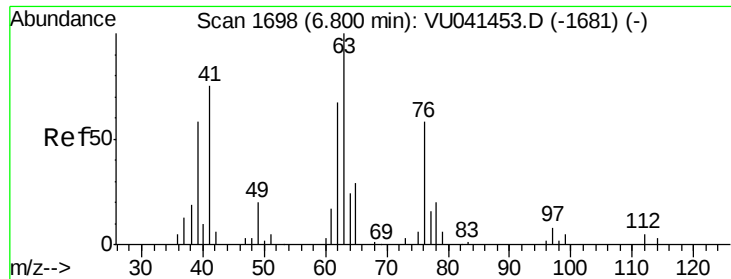
#35
 Methylcyclohexane
 Concen: 10.975 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Tgt Ion: 83 Resp: 66203
 Ion Ratio Lower Upper
 83 100
 55 77.2 62.2 93.2
 98 47.2 38.2 57.4



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

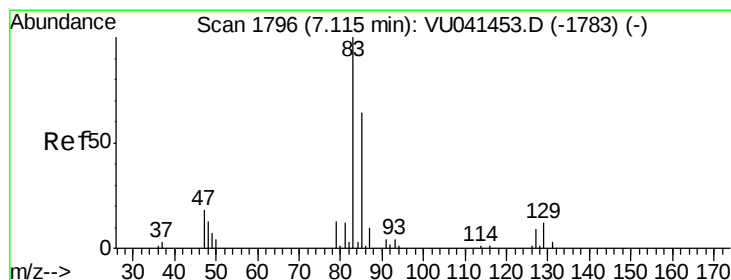
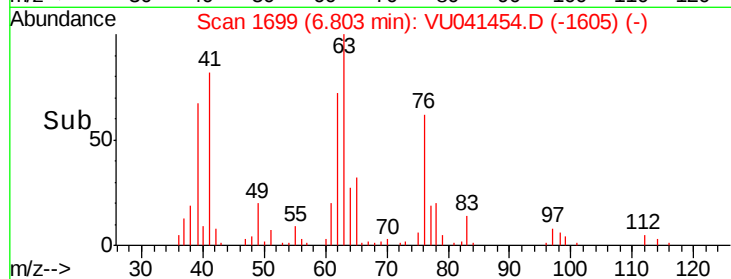
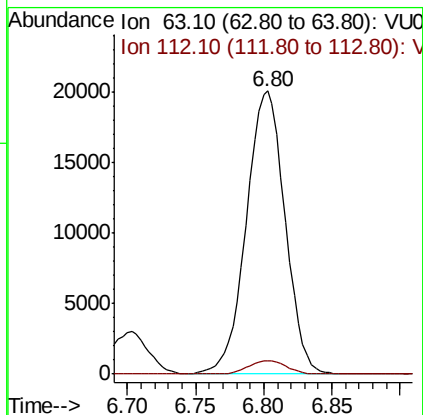
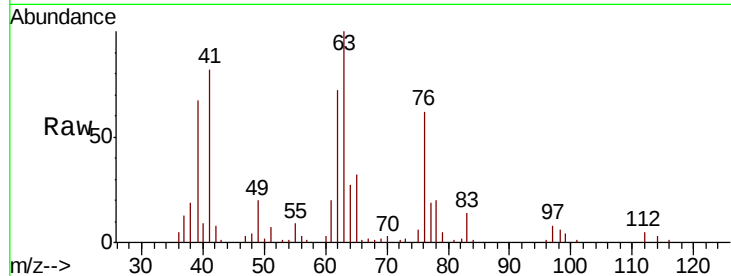




#37
 1,2-Dichloropropane
 Concen: 9.583 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

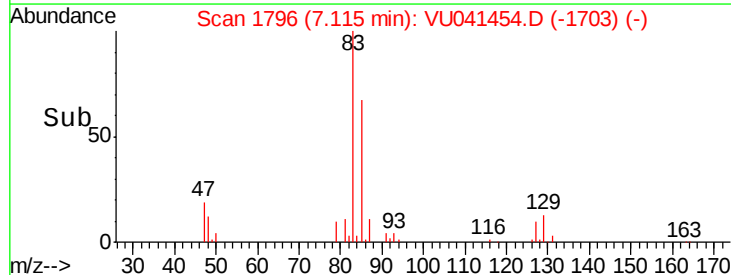
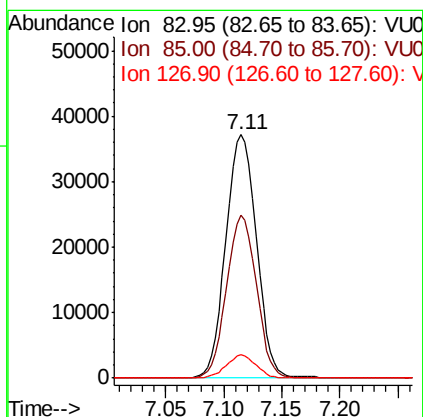
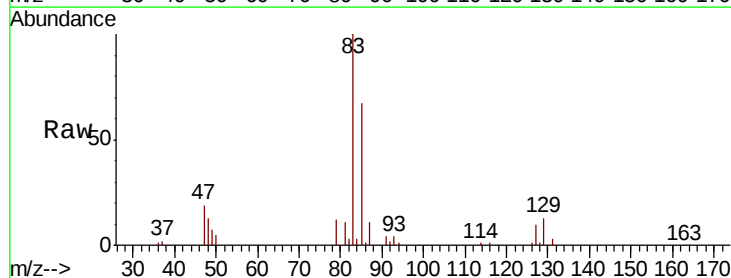
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD01002

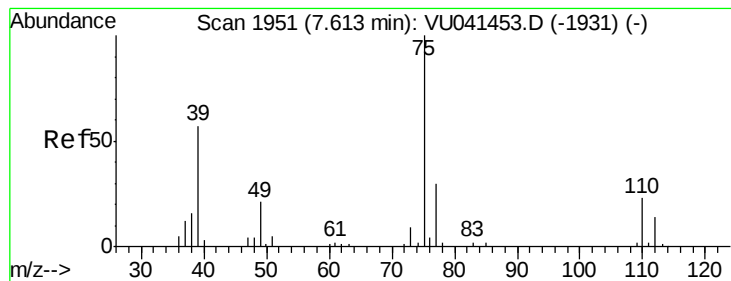
Tot Ion: 63 Resp: 39478
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 11.677 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Tgt Ion: 83 Resp: 68157
 Ion Ratio Lower Upper
 83 100
 85 66.8 44.8 83.2
 127 9.7 7.0 10.4



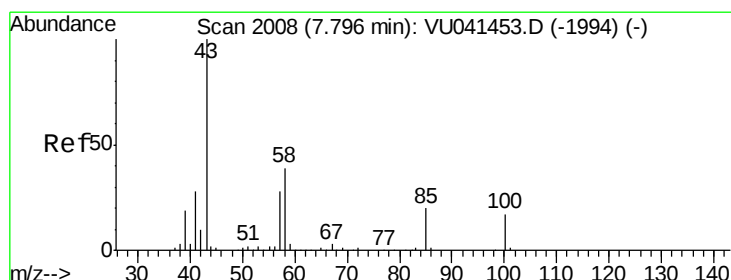
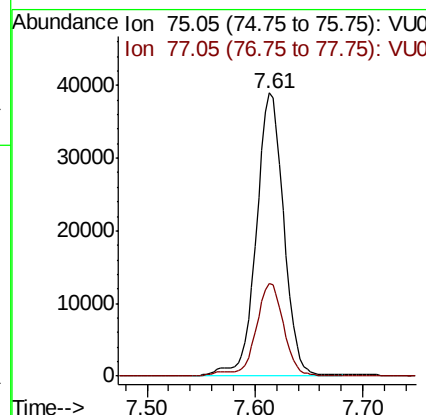
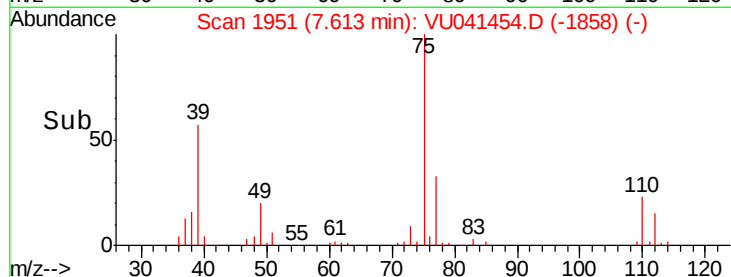
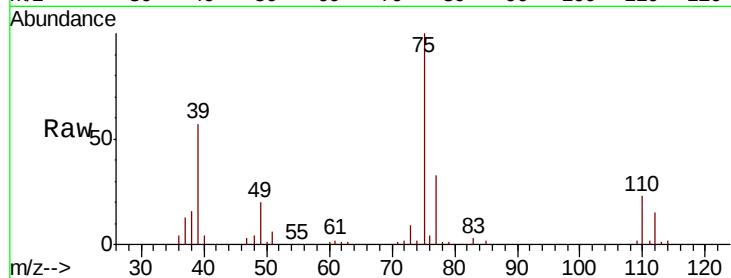


#39

cis-1,3-Dichloropropene
 Concen: 11.779 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD01002

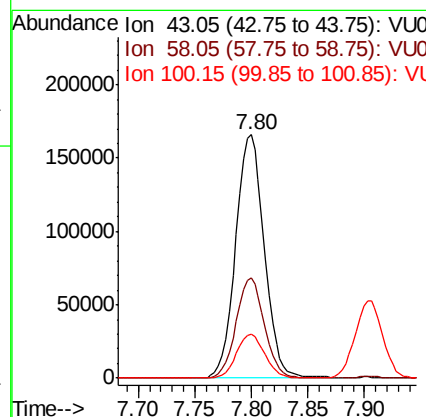
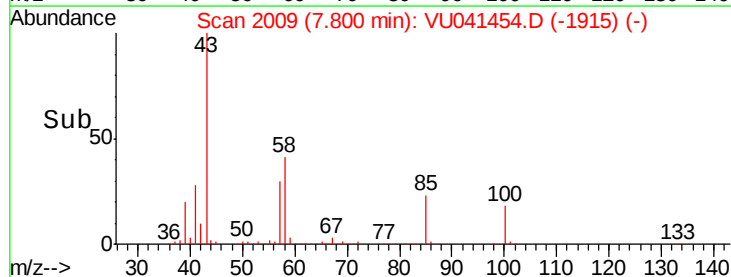
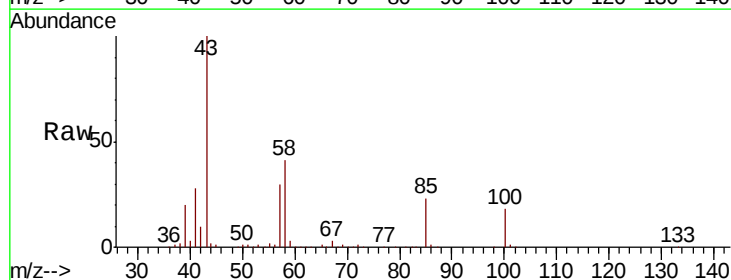
Tot Ion: 75 Resp: 68982
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.0 39.0

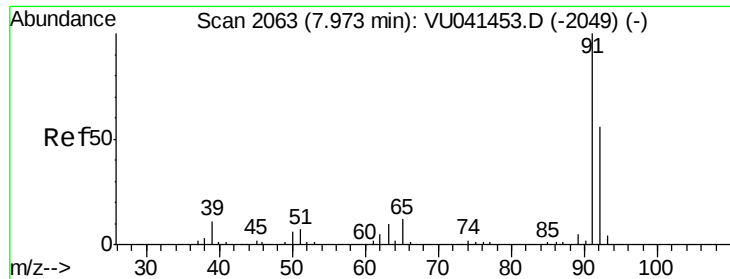


#40

4-Methyl-2-pentanone
 Concen: 113.127 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Tgt Ion: 43 Resp: 292485
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.1 46.7
 100 18.0 13.7 20.5





#42

Toluene

Concen: 11.107 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

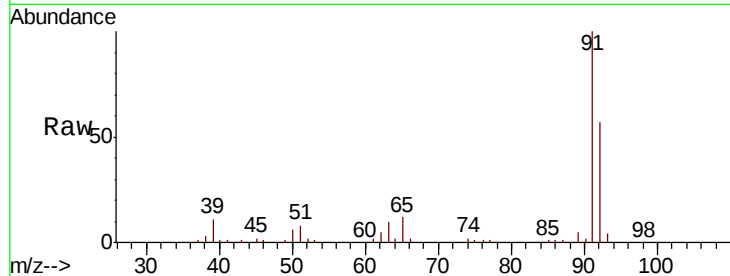
VSTD01002

Tot Ion: 91 Resp: 182421

Ion Ratio Lower Upper

91 100

92 57.1 39.5 73.4



Abundance Ion 91.15 (90.85 to 91.85): VU041453.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041453.D (-2049) (-)

7.97

120000

100000

80000

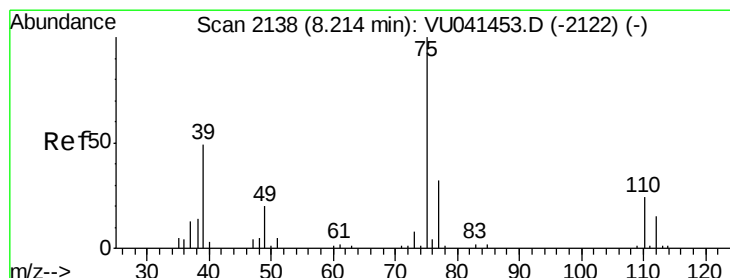
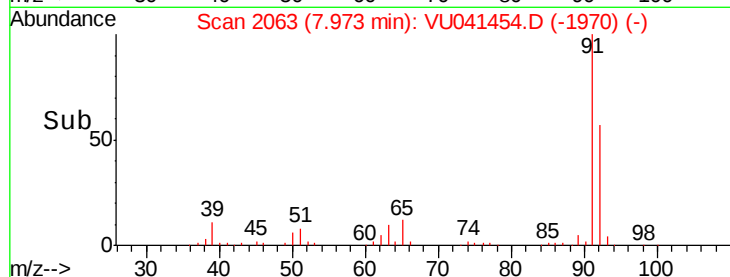
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 12.898 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041454.D

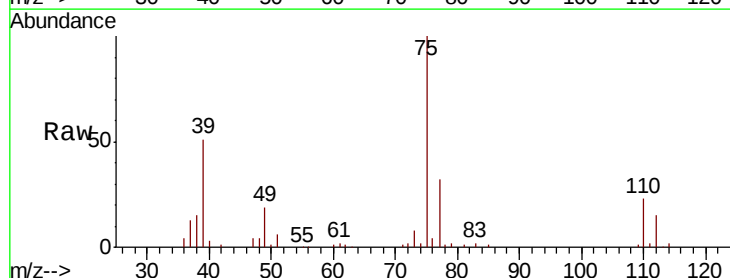
Acq: 03 Dec 2020 17:07

Tgt Ion: 75 Resp: 69905

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VU041453.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041453.D (-2122) (-)

8.21

40000

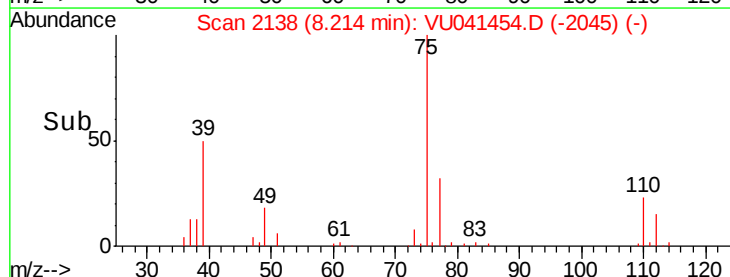
30000

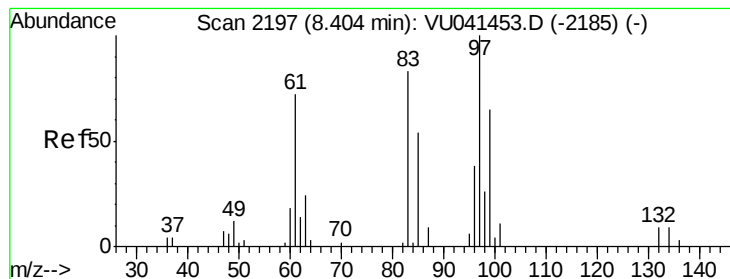
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 11.703 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD01002

Tot Ion: 97 Resp: 34451

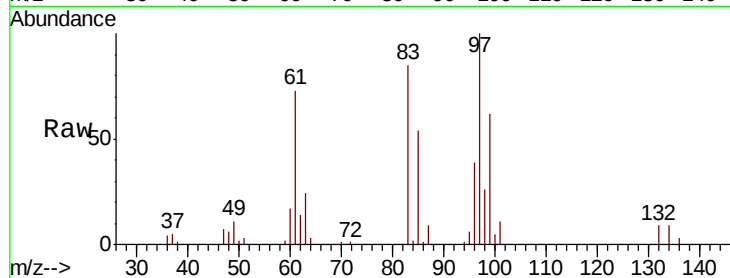
Ion Ratio Lower Upper

97 100

99 61.5 45.2 84.0

83 84.8 57.8 107.4

85 54.2 37.8 70.2

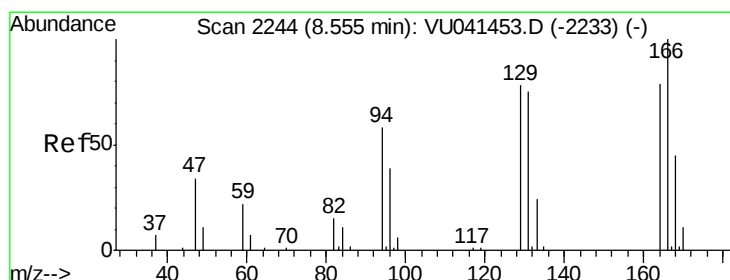
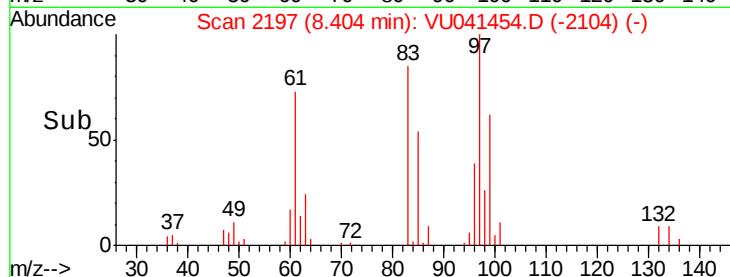
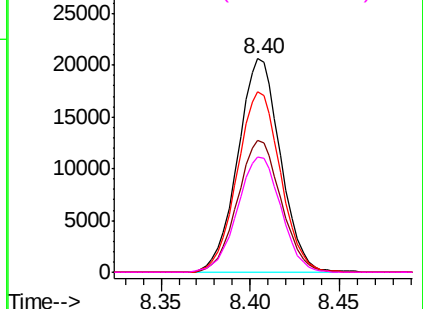


Abundance Ion 96.95 (96.65 to 97.65): VU0

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



#47

Tetrachloroethene

Concen: 12.146 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Tgt Ion: 164 Resp: 38655

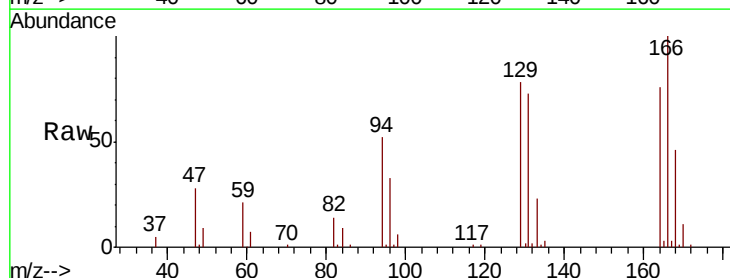
Ion Ratio Lower Upper

164 100

129 101.8 69.4 128.8

131 96.1 66.5 123.5

166 131.3 89.2 165.6

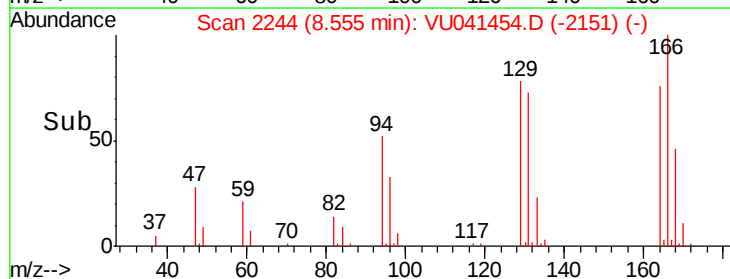
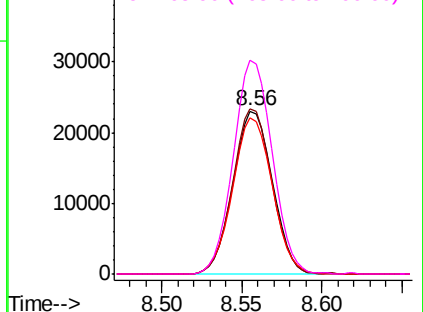


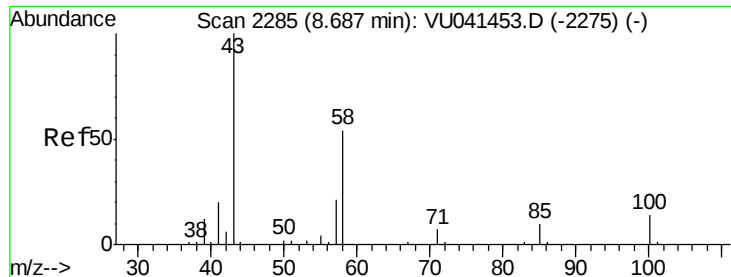
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

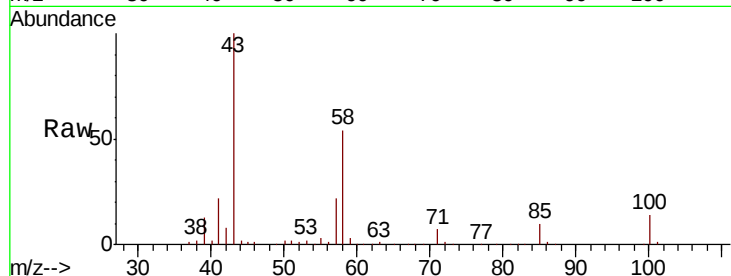




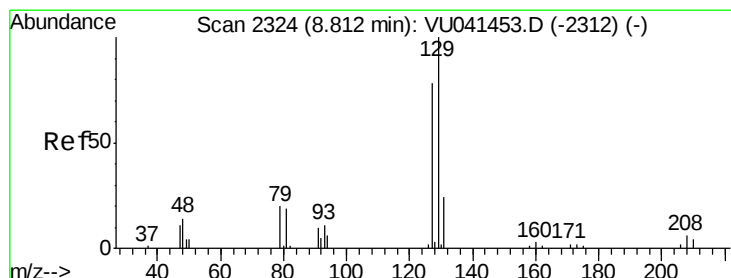
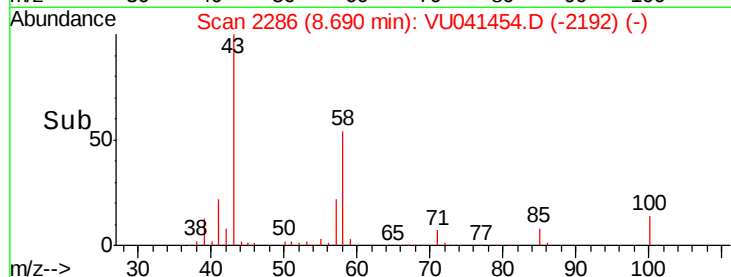
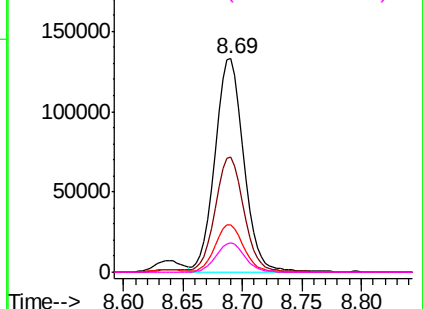
#48
2-Hexanone
Concen: 116.689 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041454.D
Acq: 03 Dec 2020 17:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTD01002

Tot Ion: 43 Resp: 222481
Ion Ratio Lower Upper
43 100
58 54.2 42.9 64.3
57 22.4 17.2 25.8
100 13.7 10.6 15.8

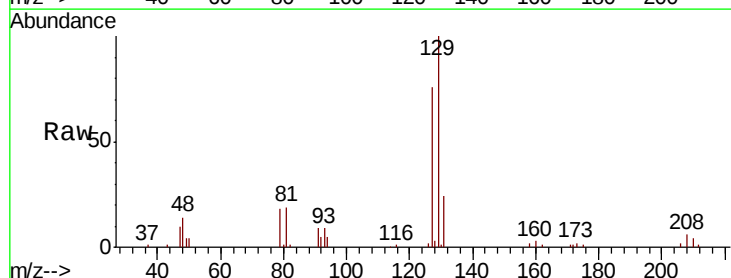


Abundance Ion 43.05 (42.75 to 43.75): VU041454.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU041454.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU041454.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU041454.D (-2192) (-)

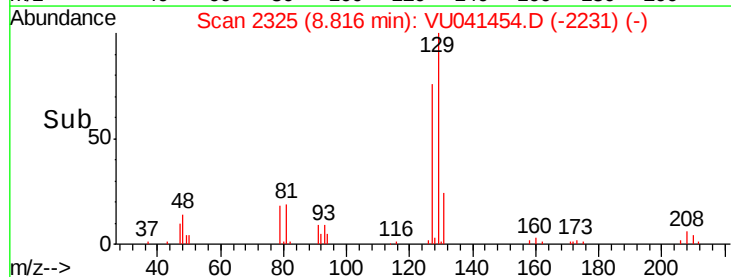
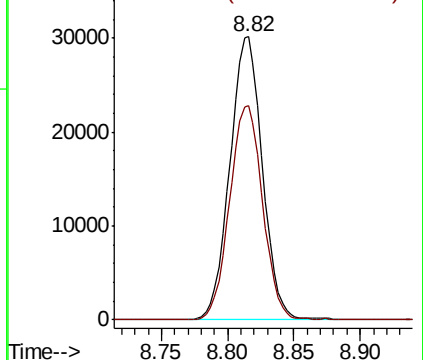


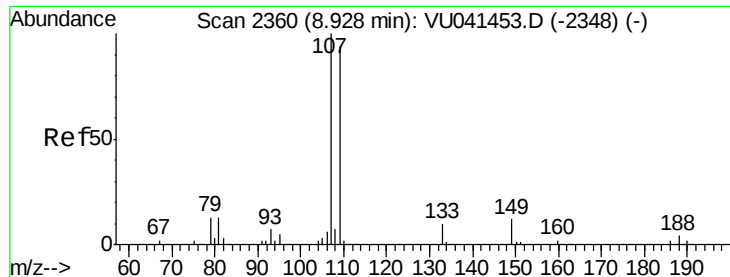
#49
Dibromochloromethane
Concen: 13.319 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041454.D
Acq: 03 Dec 2020 17:07

Tgt Ion: 129 Resp: 51331
Ion Ratio Lower Upper
129 100
127 75.7 54.6 101.4



Abundance Ion 128.95 (128.65 to 129.65): VU041454.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041454.D (-2231) (-)

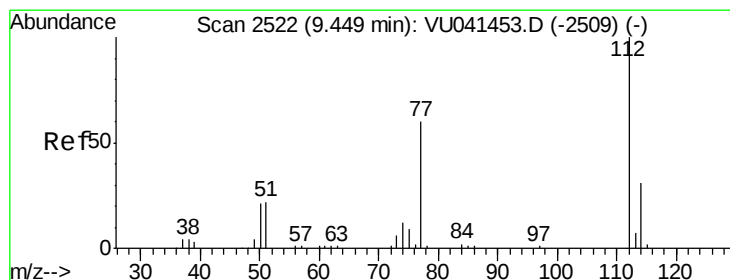
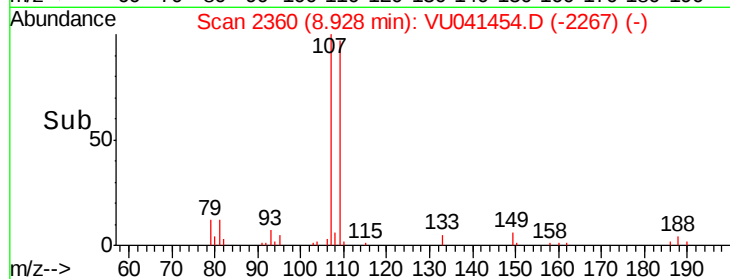
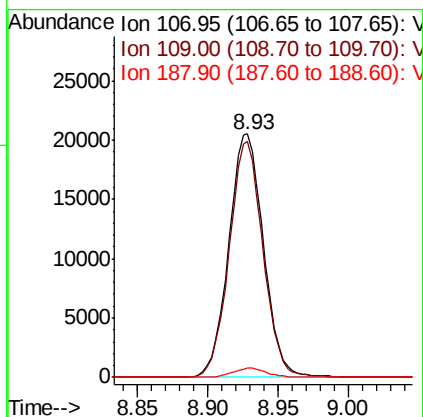
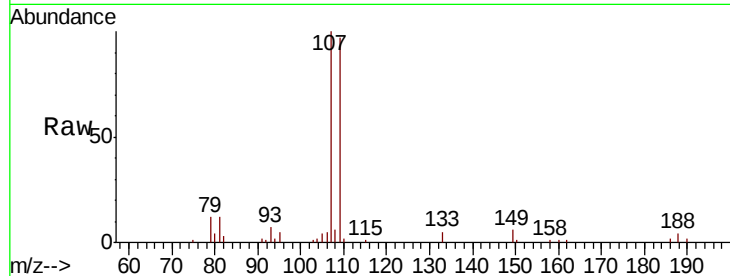




#50
1,2-Dibromoethane
Concen: 12.390 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041454.D
Acq: 03 Dec 2020 17:07

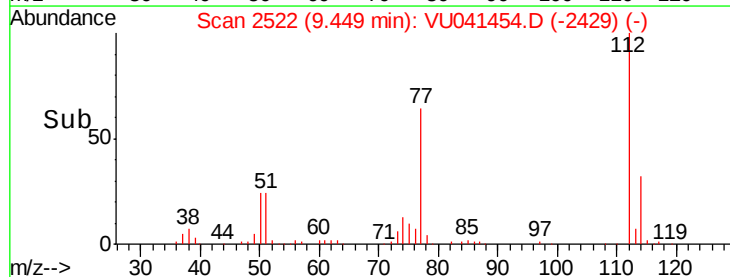
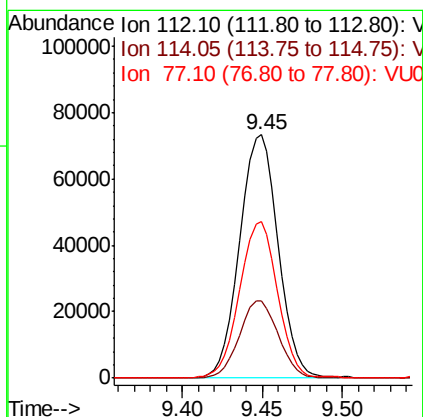
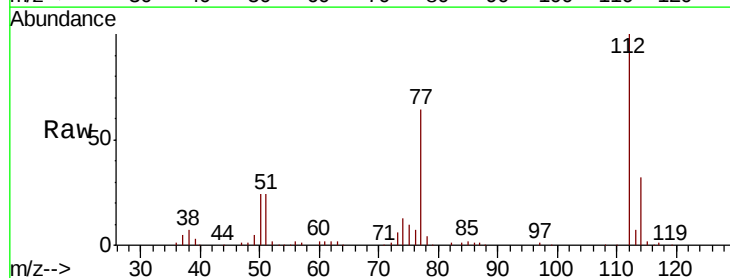
Instrument :
MSVOA_Y
ClientSampleId :
VSTD01002

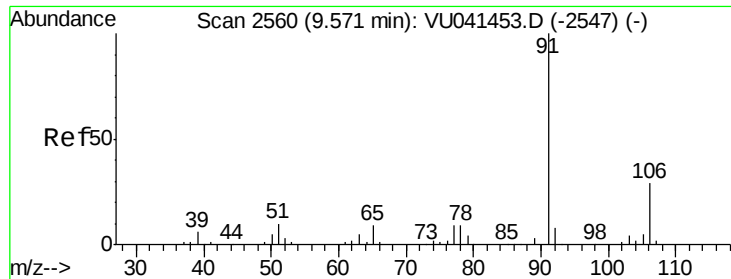
Tot Ion:107 Resp: 35274
Ion Ratio Lower Upper
107 100
109 97.0 66.0 122.6
188 3.7 3.1 4.7



#51
Chlorobenzene
Concen: 11.172 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041454.D
Acq: 03 Dec 2020 17:07

Tgt Ion:112 Resp: 120018
Ion Ratio Lower Upper
112 100
114 31.5 22.0 41.0
77 64.2 48.8 73.2





#52

Ethylbenzene

Concen: 12.281 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

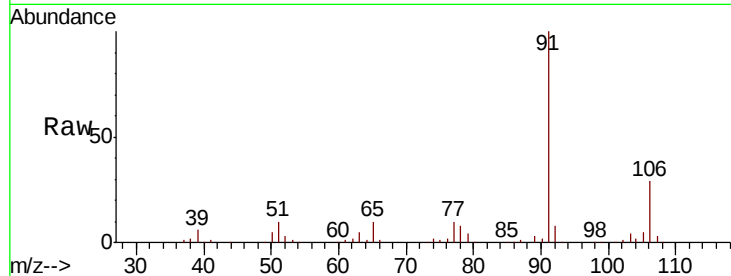
VSTD01002

Tot Ion: 91 Resp: 217633

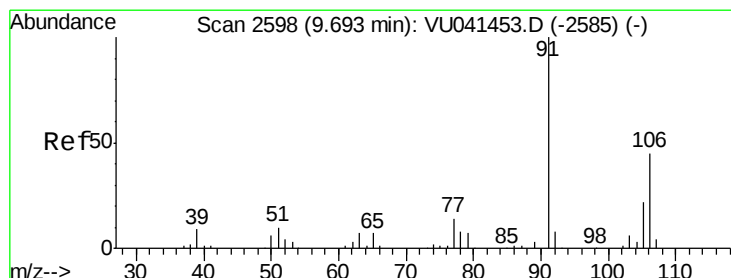
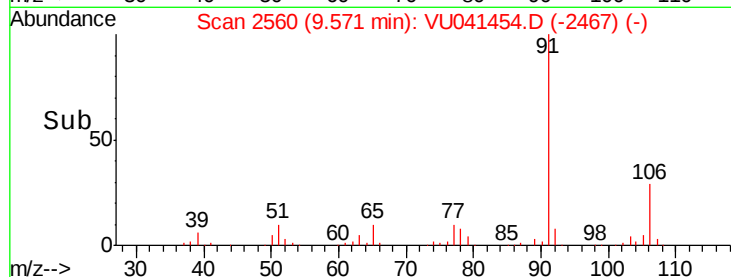
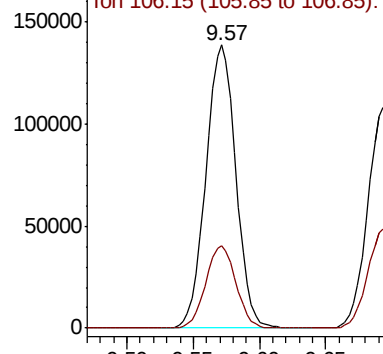
Ion Ratio Lower Upper

91 100

106 29.2 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU041453.D (-2547) (-)



#53

m,p-Xylene

Concen: 12.242 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041454.D

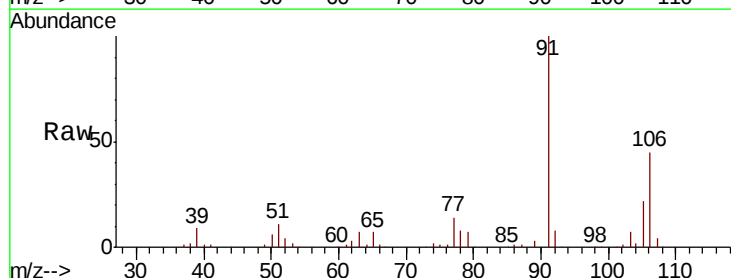
Acq: 03 Dec 2020 17:07

Tgt Ion: 106 Resp: 79278

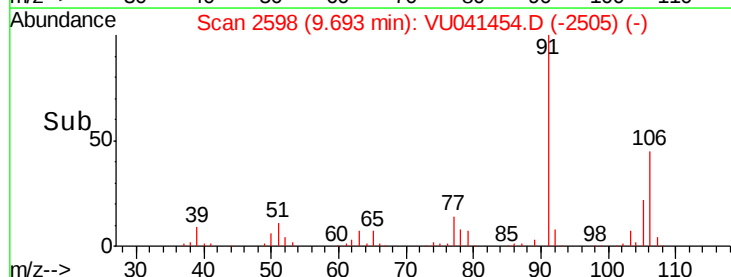
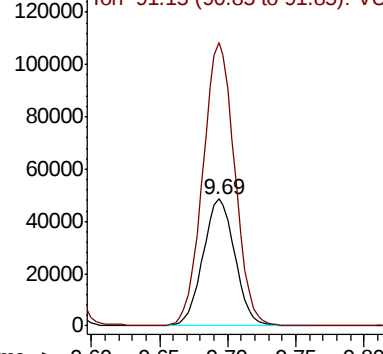
Ion Ratio Lower Upper

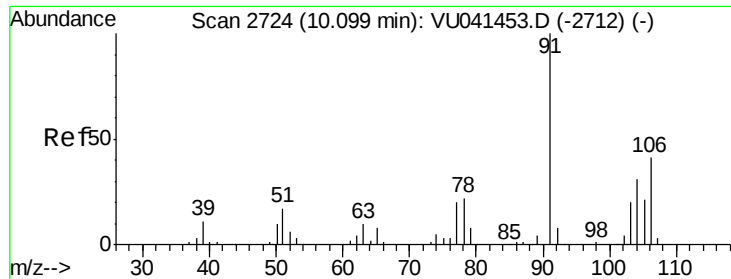
106 100

91 223.1 155.8 289.4



Abundance Ion 106.15 (105.85 to 106.85): VU041453.D (-2585) (-)

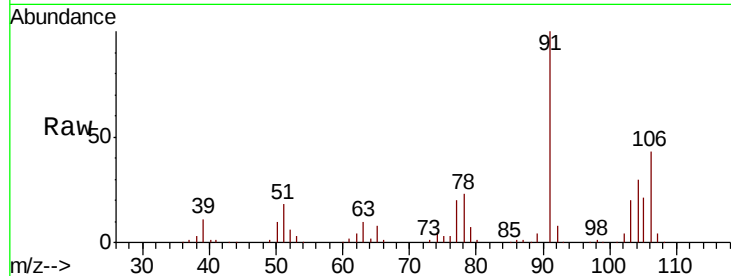




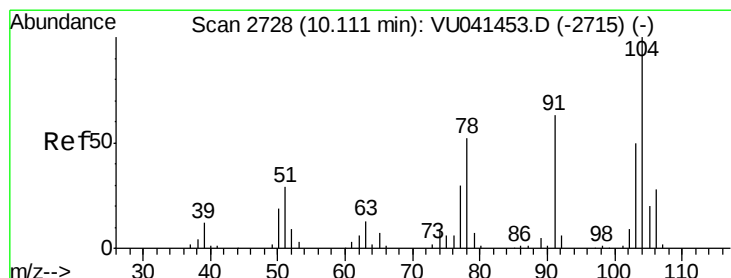
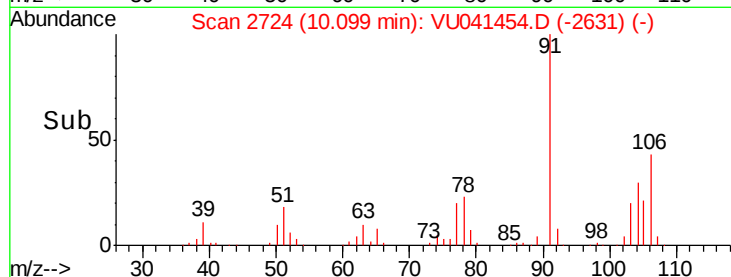
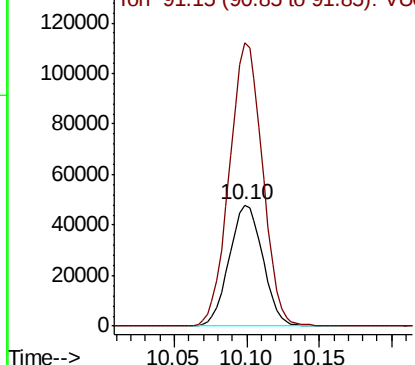
#54
o-Xylene
Concen: 12.311 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041454.D
Acq: 03 Dec 2020 17:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTD01002

Tot Ion:106 Resp: 77020
Ion Ratio Lower Upper
106 100
91 234.1 169.8 315.4

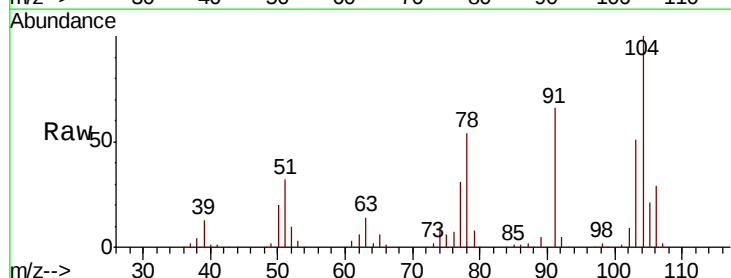


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

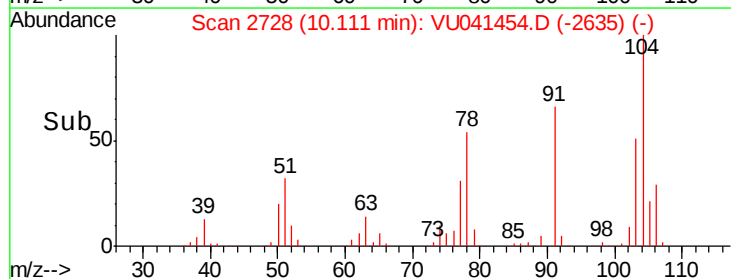
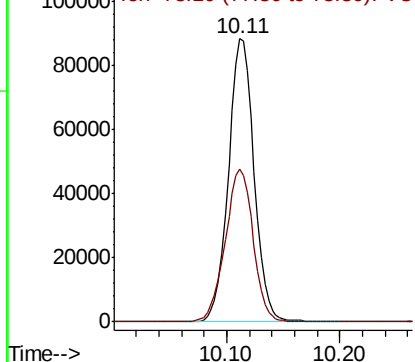


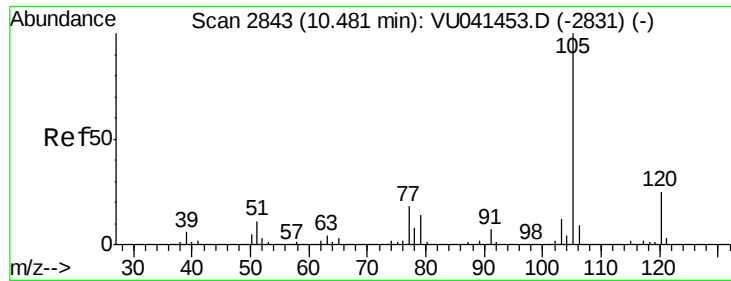
#55
Styrene
Concen: 13.235 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041454.D
Acq: 03 Dec 2020 17:07

Tgt Ion:104 Resp: 139575
Ion Ratio Lower Upper
104 100
78 53.9 36.9 68.5



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





#56

Isopropylbenzene

Concen: 12.874 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD01002

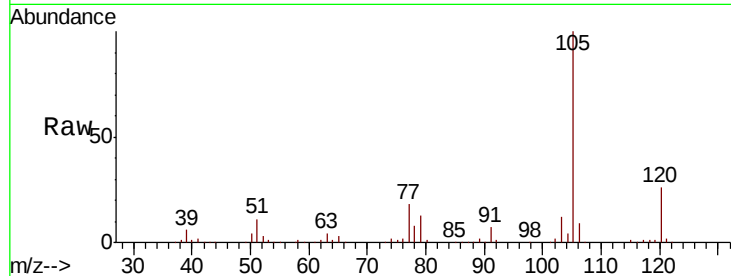
Tot Ion:105 Resp: 218778

Ion Ratio Lower Upper

105 100

120 25.5 20.3 30.5

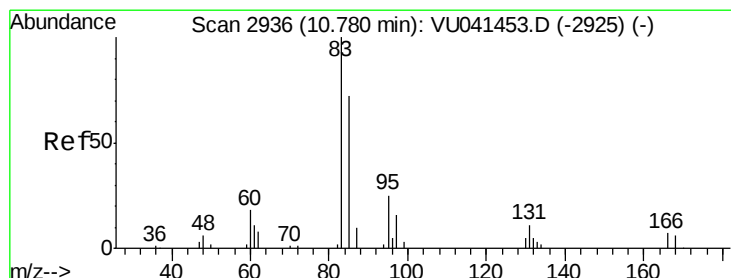
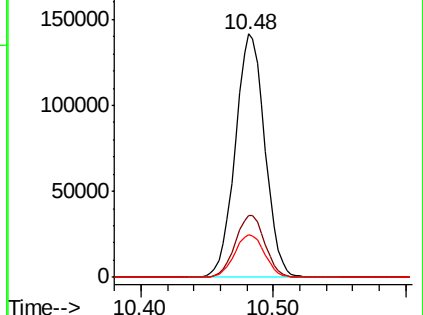
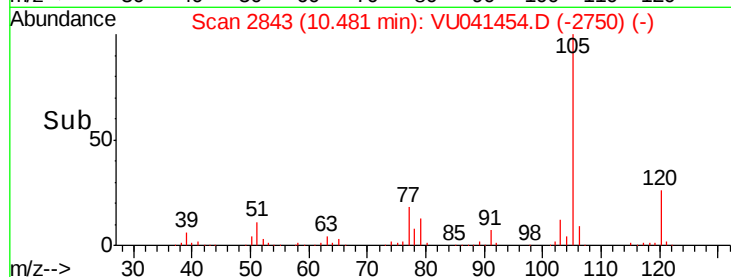
77 18.0 14.2 21.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 12.638 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

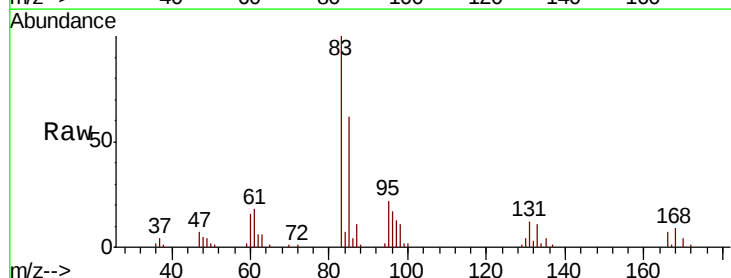
Tgt Ion: 83 Resp: 45430

Ion Ratio Lower Upper

83 100

85 62.1 50.7 94.3

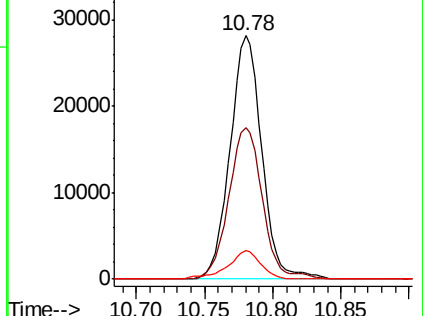
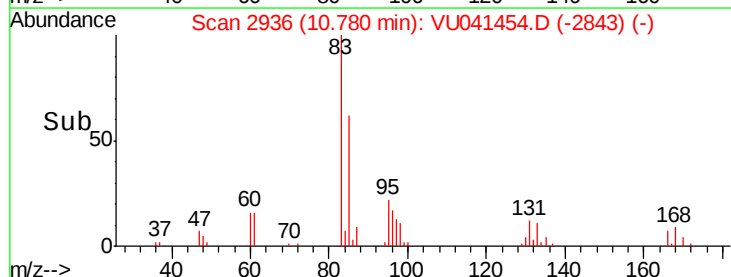
131 11.7 10.3 15.5

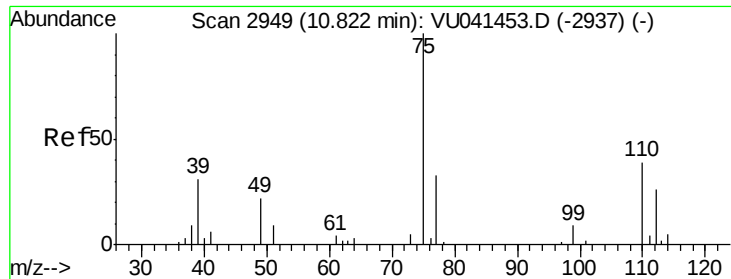


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 12.869 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

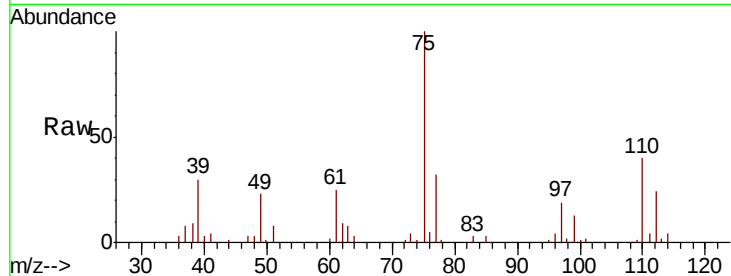
VSTD01002

Tot Ion: 75 Resp: 36144

Ion Ratio Lower Upper

75 100

77 32.5 27.3 40.9



Abundance Ion 75.00 (74.70 to 75.70): VU041453.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041453.D (-2937) (-)

10.82

25000

20000

15000

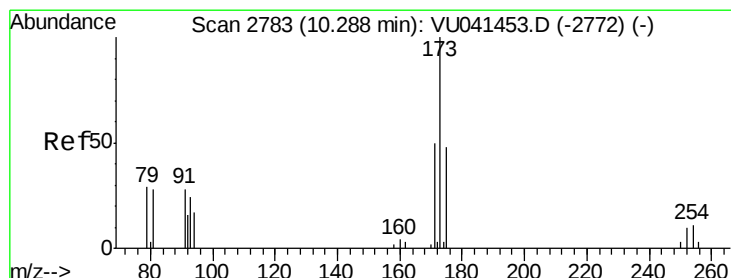
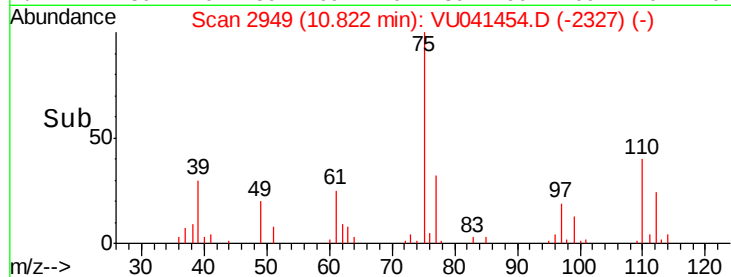
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 12.478 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

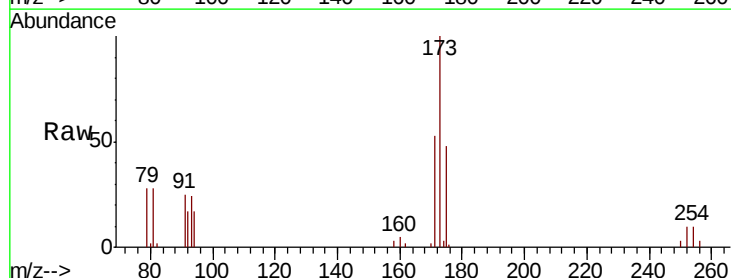
Tgt Ion: 173 Resp: 29890

Ion Ratio Lower Upper

173 100

175 49.0 38.0 57.0

254 9.4 7.7 11.5



Abundance Ion 172.90 (172.60 to 173.60): VU041453.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041453.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041453.D (-2772) (-)

10.29

25000

20000

15000

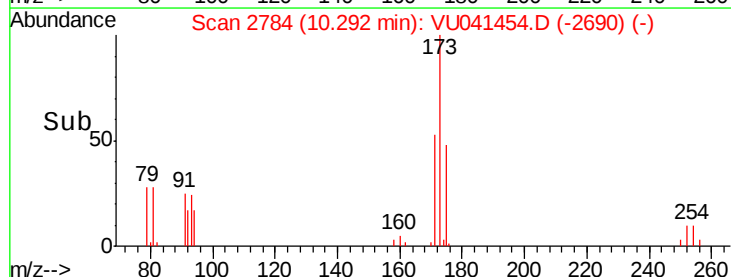
10000

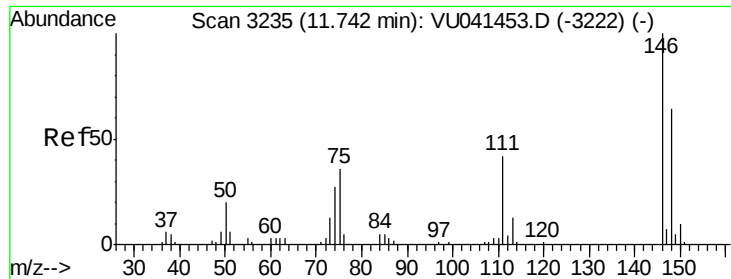
5000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 11.248 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD01002

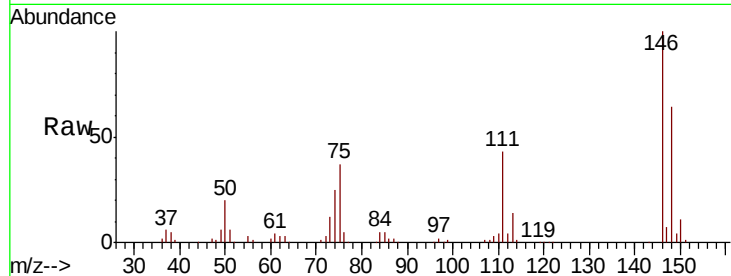
Tot Ion:146 Resp: 106321

Ion Ratio Lower Upper

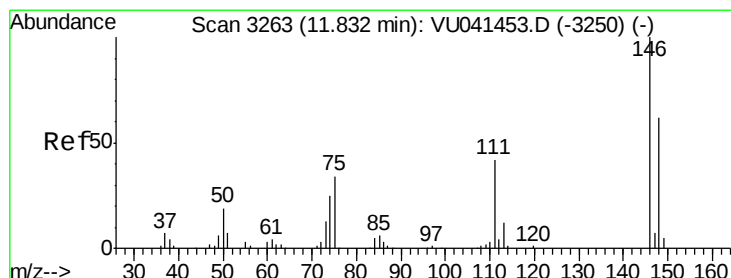
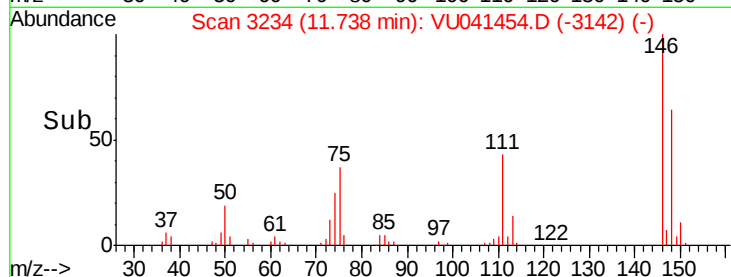
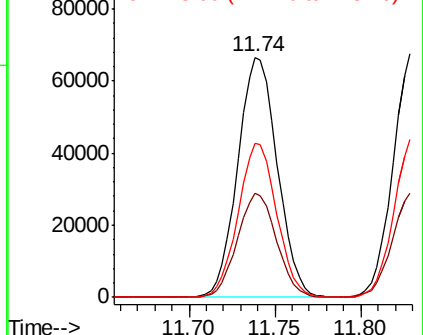
146 100

111 43.1 29.3 54.3

148 64.3 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 11.240 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

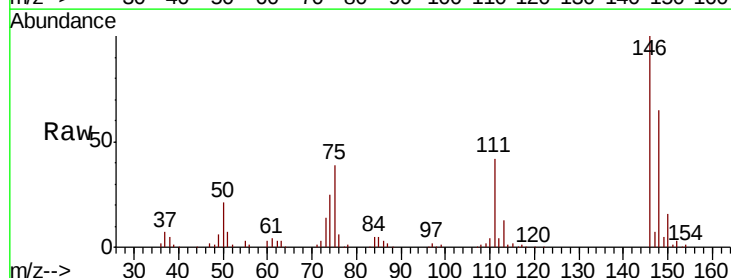
Tgt Ion:146 Resp: 105440

Ion Ratio Lower Upper

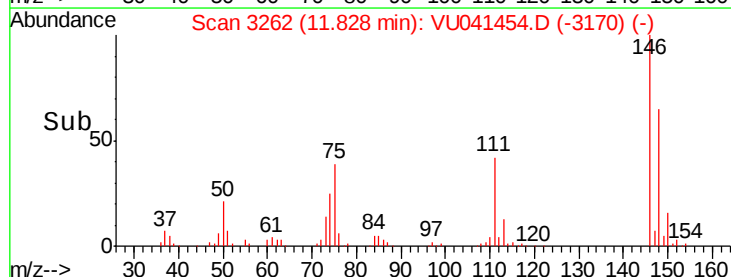
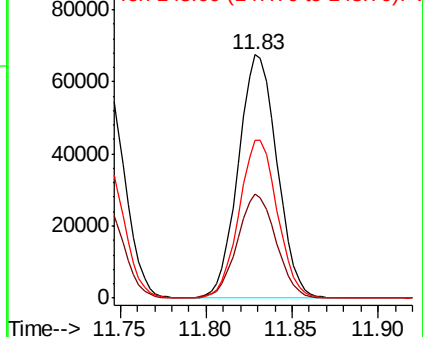
146 100

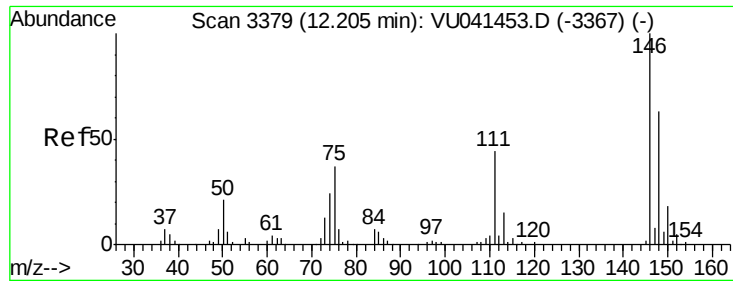
111 42.5 29.8 55.4

148 64.8 43.1 80.1



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

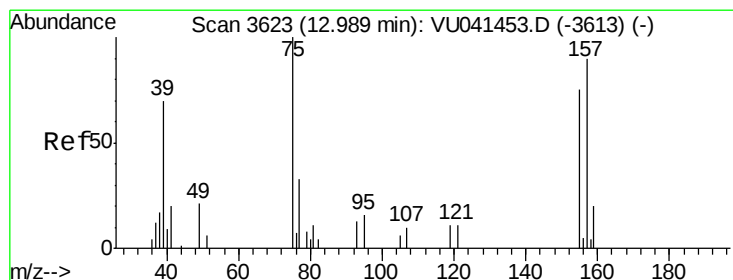
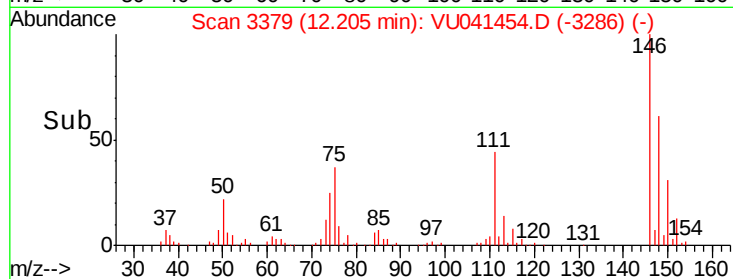
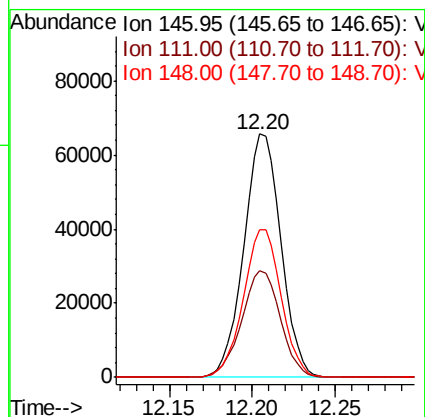
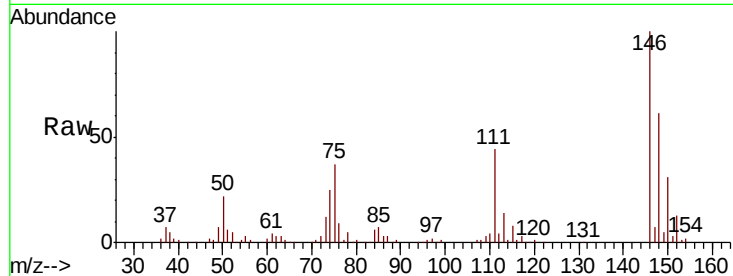




#65
 1,2-Dichlorobenzene
 Concen: 11.639 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

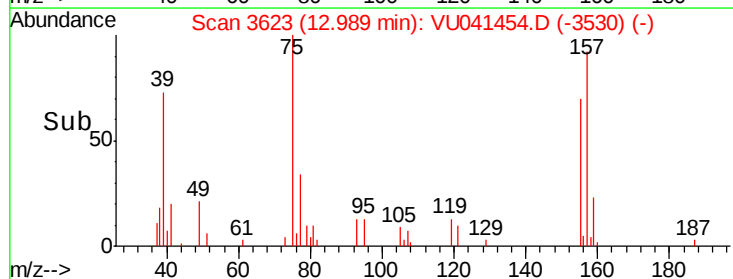
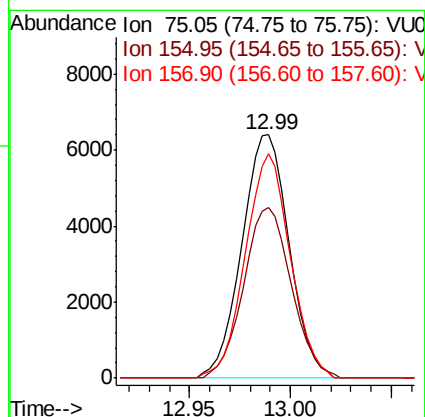
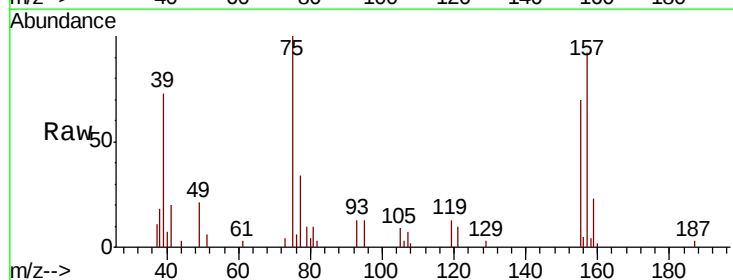
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD01002

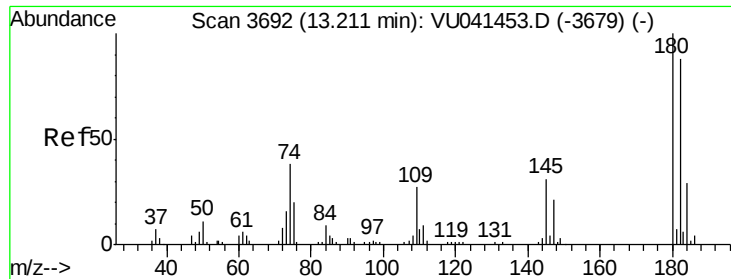
Tot Ion:146 Resp: 102322
 Ion Ratio Lower Upper
 146 100
 111 43.9 35.6 53.4
 148 60.8 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 14.673 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Tgt Ion: 75 Resp: 10499
 Ion Ratio Lower Upper
 75 100
 155 70.0 60.0 90.0
 157 92.4 72.3 108.5

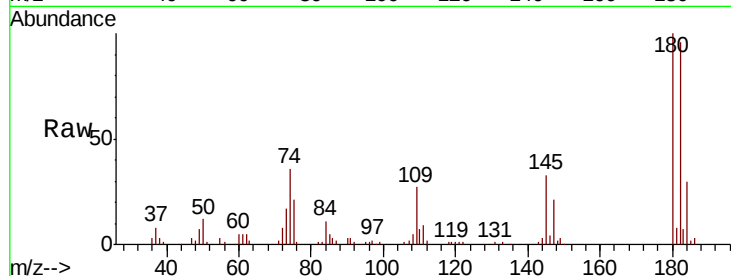




#67
 1,3,5-Trichlorobenzene
 Concen: 12.106 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD01002

Tot Ion	180	Resp	81887
Ion Ratio	100	Lower	Upper
182	95.5	76.2	114.4
184	29.9	24.3	36.5
145	32.4	25.7	38.5



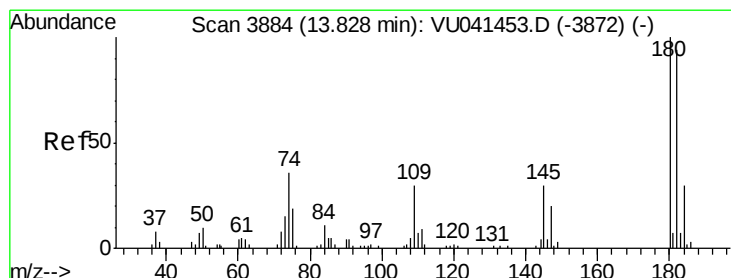
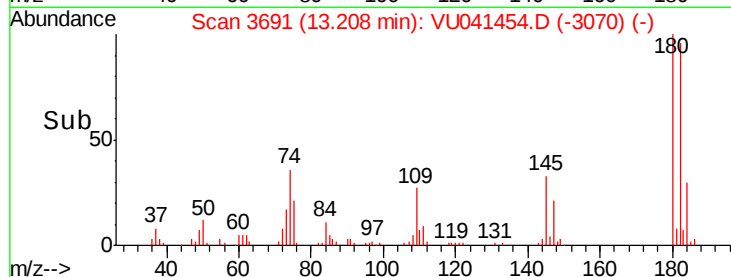
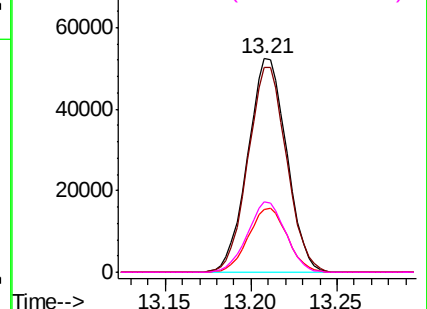
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

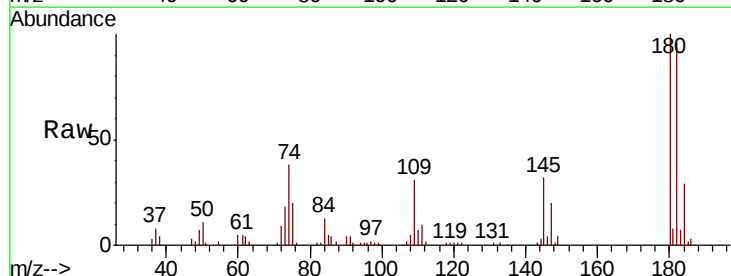
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 13.098 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041454.D
 Acq: 03 Dec 2020 17:07

Tgt Ion	180	Resp	69876
Ion Ratio	100	Lower	Upper
182	95.6	76.1	114.1
145	32.1	24.9	37.3

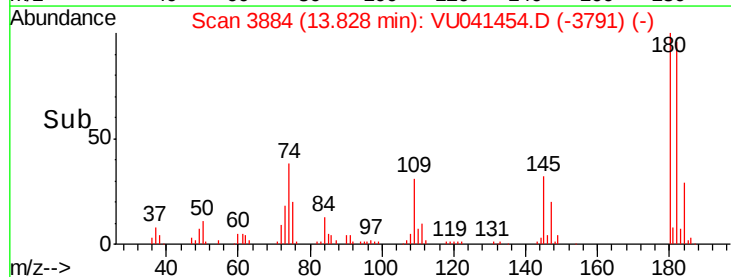
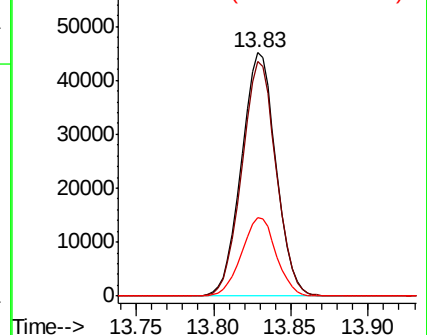


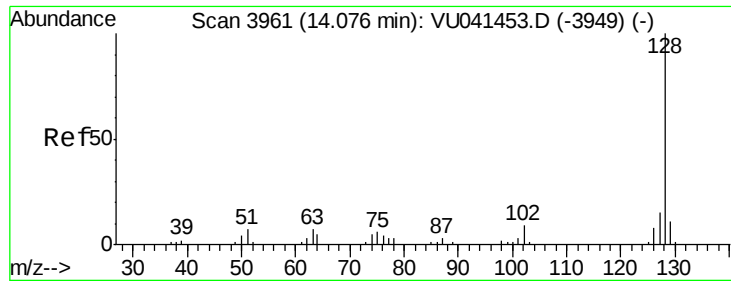
Abundance

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





#69

Naphthalene

Concen: 14.811 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

VSTD01002

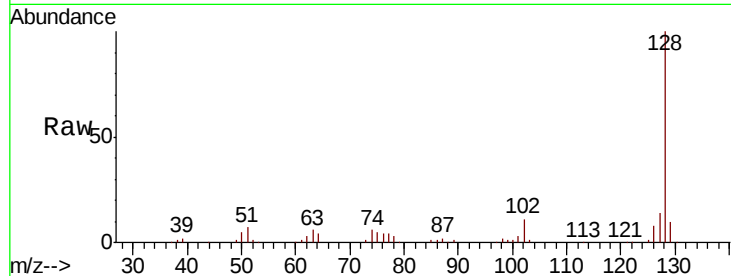
Tot Ion:128 Resp: 123214

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

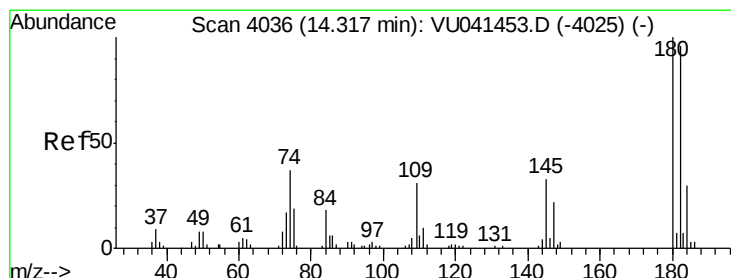
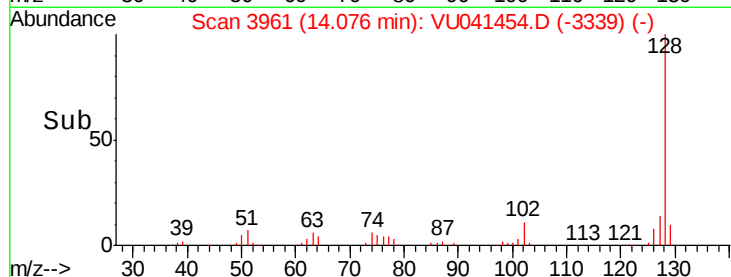
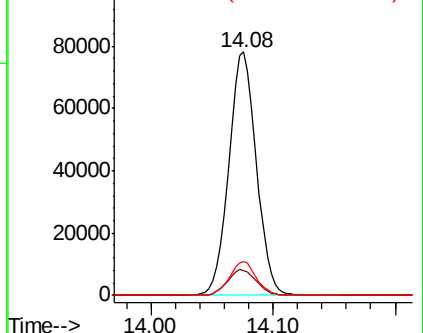
127 13.5 11.6 17.4



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



#70

1,2,3-Trichlorobenzene

Concen: 13.175 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041454.D

Acq: 03 Dec 2020 17:07

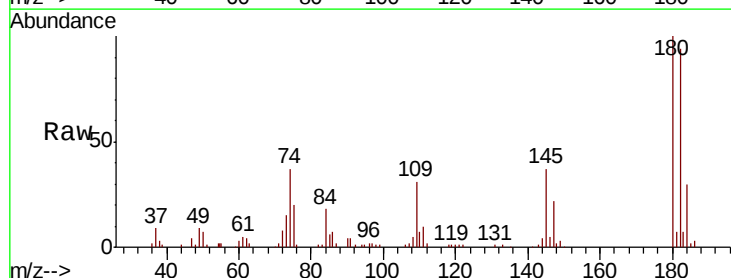
Tgt Ion:180 Resp: 63766

Ion Ratio Lower Upper

180 100

182 94.9 75.3 112.9

145 36.8 26.9 40.3



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

