

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040790.D
 Acq On : 18 Oct 2020 03:00
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.4mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Quant Time: Oct 19 03:12:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126917	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128746	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	52260	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.93	69	43415	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.58	63	109791	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.80%
20) 2-Butanone-d5	4.67	46	190467	56.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.20%
24) Chloroform-d	5.08	84	99642	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.72	65	60642	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.75	84	190868	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
36) 1,2-Dichloropropane-d6	6.70	67	61148	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.91	98	174449	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
43) trans-1,3-Dichloropropene-	8.18	79	25109	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	8.64	63	140087	55.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56379	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	63508	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	51102	4.444 ug/L	100
3) Chloromethane	1.53	50	43910	4.083 ug/L	96
5) Vinyl chloride	1.61	62	50848	4.490 ug/L #	76
6) Bromomethane	1.87	94	19464	3.165 ug/L	93
8) Chloroethane	1.94	64	32991	4.575 ug/L	93
9) Trichlorofluoromethane	2.15	101	81009	4.981 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	52715	4.993 ug/L	98
12) 1,1-Dichloroethene	2.59	96	46362	5.120 ug/L	89
13) Acetone	2.68	43	130368	49.976 ug/L	67
14) Carbon disulfide	2.81	76	103116	4.068 ug/L	99
15) Methyl Acetate	2.97	43	29990	5.035 ug/L	98
16) Methylene chloride	3.06	84	56635	4.871 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	127928	4.996 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	44931	4.740 ug/L	96
19) 1,1-Dichloroethane	3.89	63	100894	5.146 ug/L	100
21) 2-Butanone	4.75	43	216262	53.175 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	51546	5.042 ug/L	92

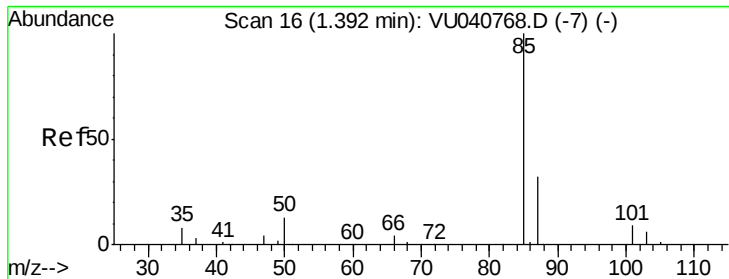
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101720\
 Data File : VU040790.D
 Acq On : 18 Oct 2020 03:00
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.4mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Quant Time: Oct 19 03:12:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	25617	5.044	ug/L	99
25) Chloroform	5.11	83	108861	5.439	ug/L	99
27) 1,2-Dichloroethane	5.81	62	76088	5.371	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	87407	5.052	ug/L	100
30) Cyclohexane	5.41	56	70024	4.392	ug/L	98
31) Carbon tetrachloride	5.54	117	76714	5.181	ug/L	99
33) Benzene	5.79	78	208989	5.053	ug/L	100
34) Trichloroethene	6.56	95	51551	4.808	ug/L	98
35) Methylcyclohexane	6.78	83	64259	4.226	ug/L	98
37) 1,2-Dichloropropane	6.80	63	59712	5.181	ug/L	99
38) Bromodichloromethane	7.11	83	78996	5.362	ug/L	93
39) cis-1,3-Dichloropropene	7.62	75	76520	4.860	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	503998	54.854	ug/L	100
42) Toluene	7.98	91	218201	5.177	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	74499	5.139	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	46755	5.417	ug/L	95
47) Tetrachloroethene	8.56	164	38200	4.994	ug/L	95
48) 2-Hexanone	8.69	43	385796	56.397	ug/L	99
49) Dibromochloromethane	8.81	129	55089	5.547	ug/L	96
50) 1,2-Dibromoethane	8.93	107	43477	5.310	ug/L	97
51) Chlorobenzene	9.45	112	138476	4.988	ug/L	99
52) Ethylbenzene	9.57	91	227288	4.983	ug/L	100
53) m,p-Xylene	9.69	106	86224	5.186	ug/L	96
54) o-Xylene	10.10	106	83348	5.213	ug/L	92
55) Styrene	10.11	104	150479	5.419	ug/L	99
56) Isopropylbenzene	10.48	105	222942	5.180	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	62142	5.483	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	45600	5.387	ug/L	97
61) Bromoform	10.29	173	31385	5.575	ug/L	95
62) 1,3-Dichlorobenzene	11.74	146	112513	5.234	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	117197	5.288	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	113183	5.386	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9640	5.239	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	76330	5.005	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	59853	5.079	ug/L	99
69) Naphthalene	14.08	128	94253	4.890	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	59112	5.402	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.444 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

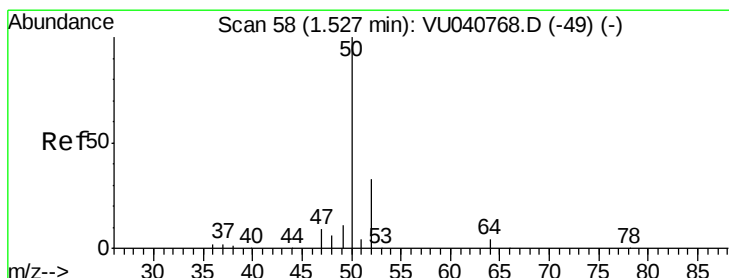
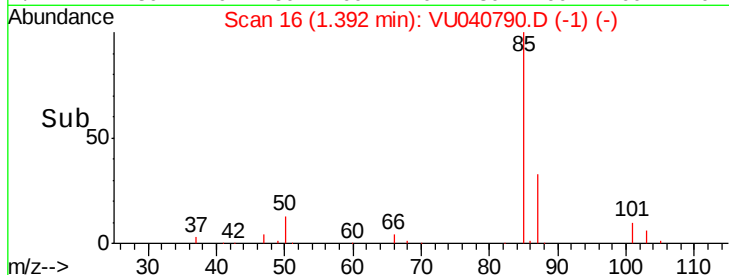
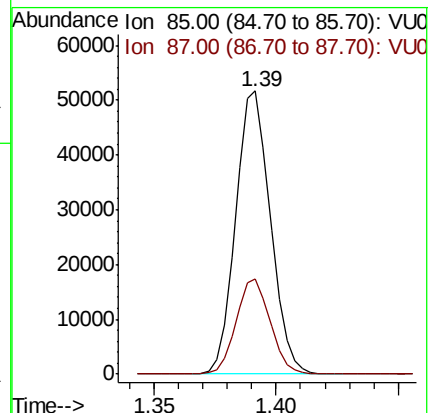
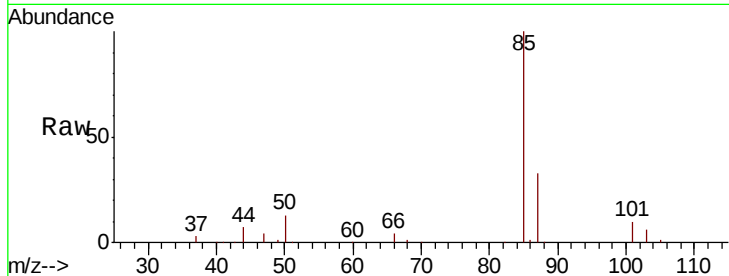
VSTD00516

Tot Ion: 85 Resp: 51102

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



#3

Chloromethane

Concen: 4.083 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040790.D

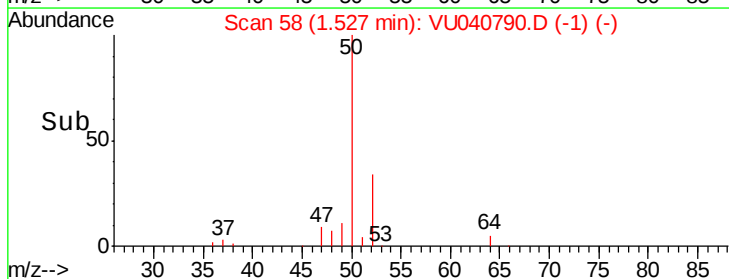
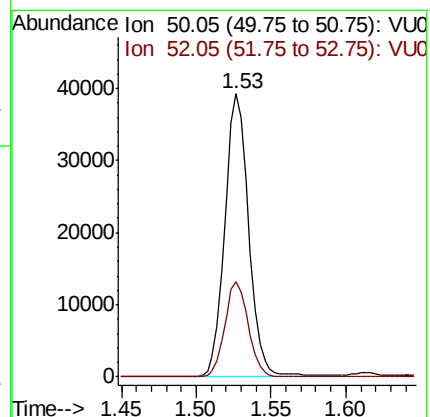
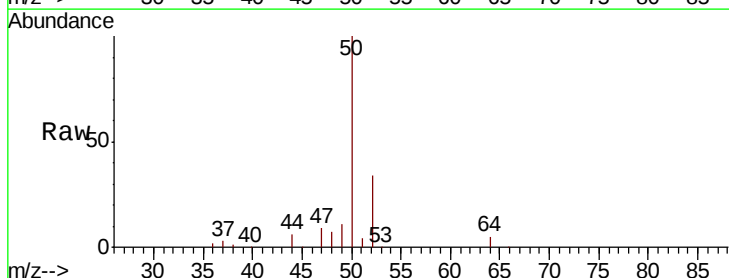
Acq: 18 Oct 2020 03:00

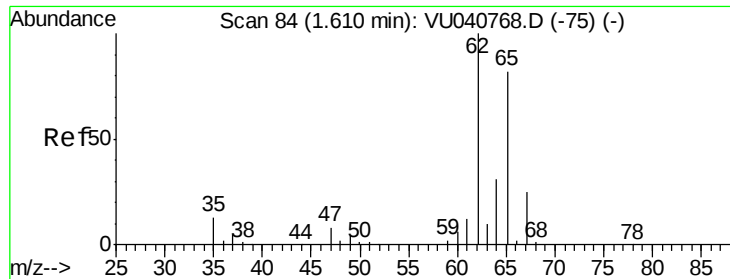
Tgt Ion: 50 Resp: 43910

Ion Ratio Lower Upper

50 100

52 33.7 21.9 40.7





#5

Vinyl chloride

Concen: 4.490 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

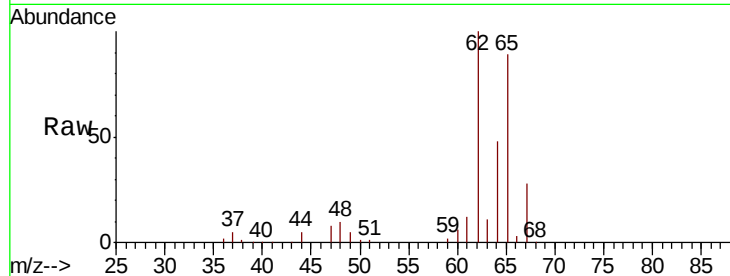
VSTD00516

Tot Ion: 62 Resp: 50848

Ion Ratio Lower Upper

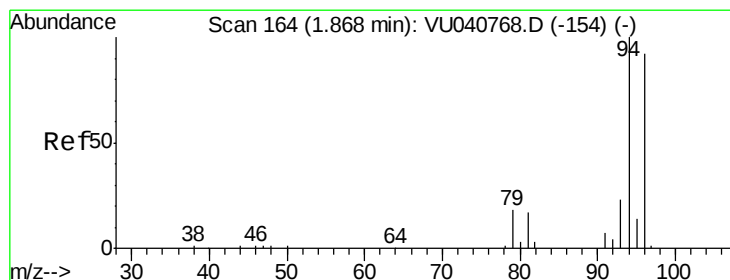
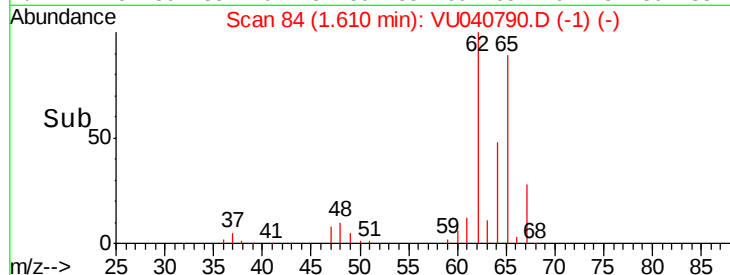
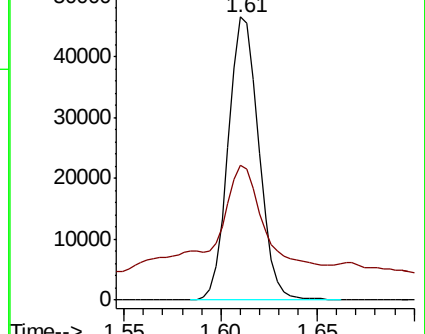
62 100

64 47.7 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU040768.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040790.D (-71) (-)



#6

Bromomethane

Concen: 3.165 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040790.D

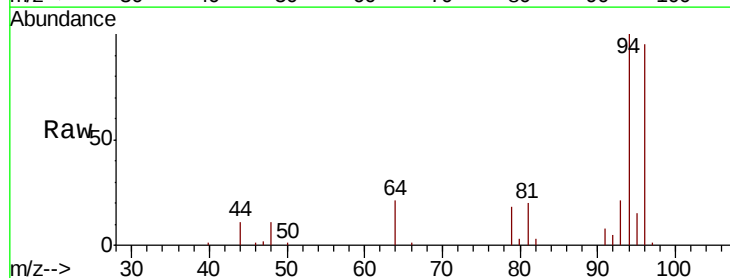
Acq: 18 Oct 2020 03:00

Tgt Ion: 94 Resp: 19464

Ion Ratio Lower Upper

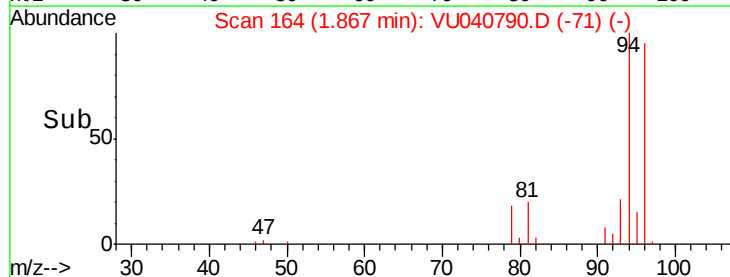
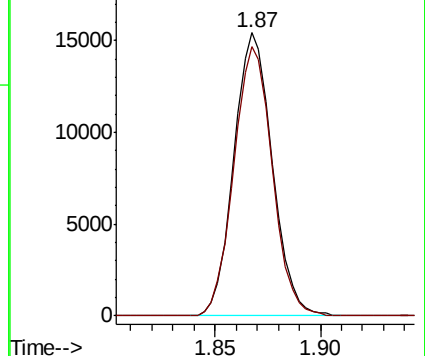
94 100

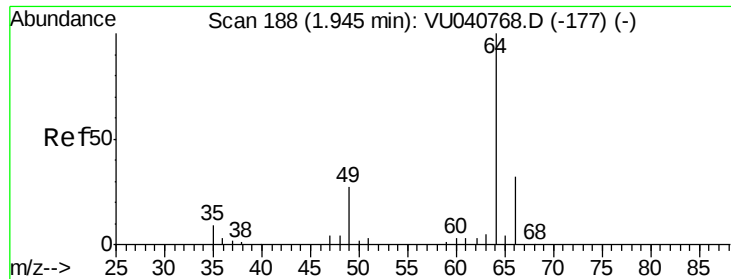
96 95.3 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU040768.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040790.D (-71) (-)

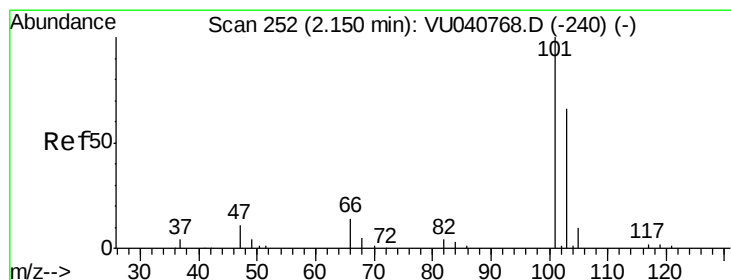
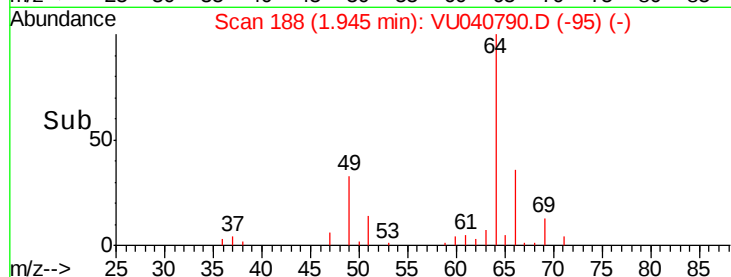
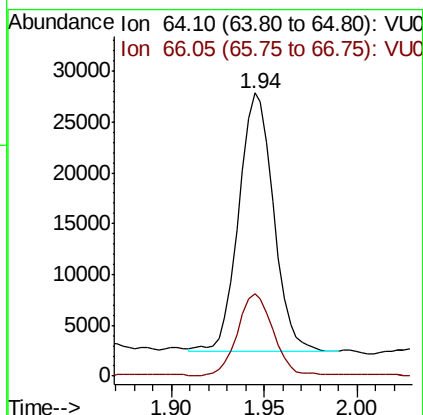
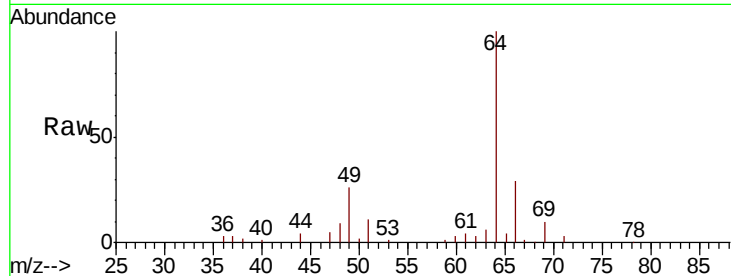




#8
 Chloroethane
 Concen: 4.575 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

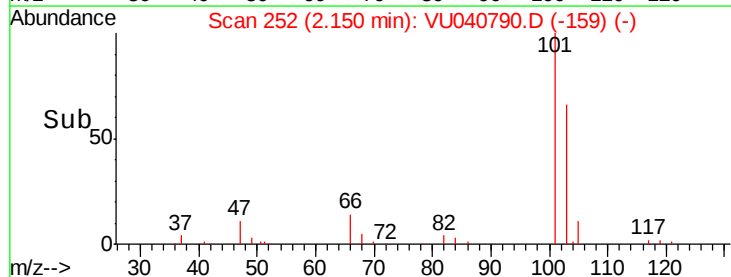
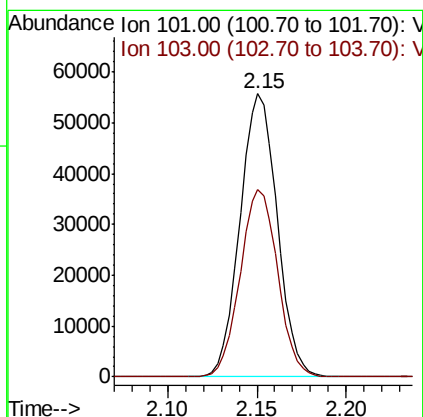
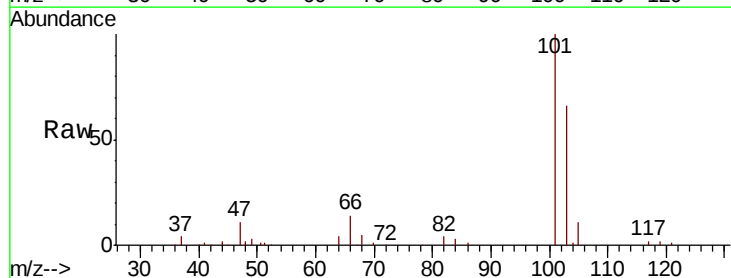
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

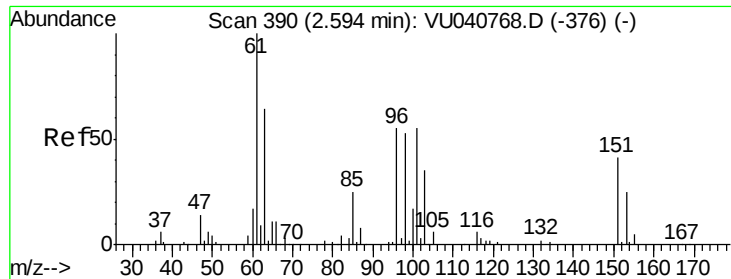
Tot Ion: 64 Resp: 32991
 Ion Ratio Lower Upper
 64 100
 66 29.3 23.3 43.3



#9
 Trichlorofluoromethane
 Concen: 4.981 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Tgt Ion: 101 Resp: 81009
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.2 78.4





#10

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

Concen: 4.993 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

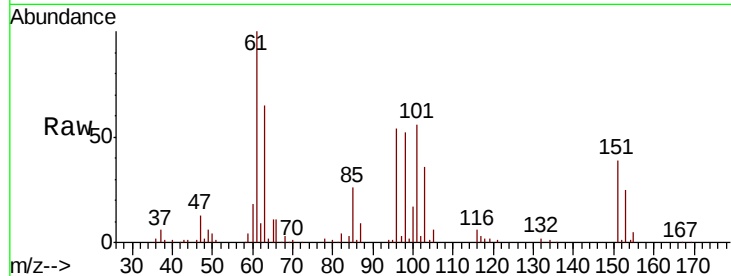
Tot Ion:101 Resp: 52715

Ion Ratio Lower Upper

101 100

85 45.7 36.7 55.1

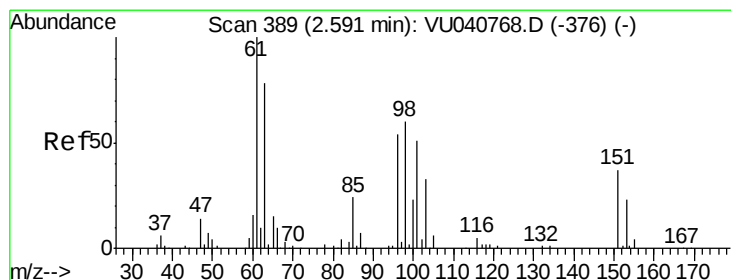
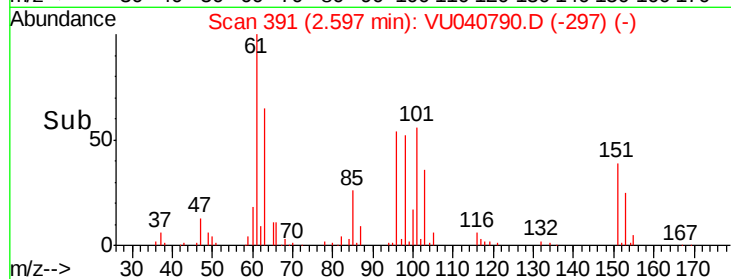
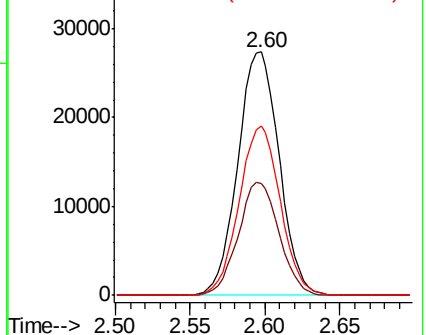
151 69.2 58.0 87.0



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: 5.120 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

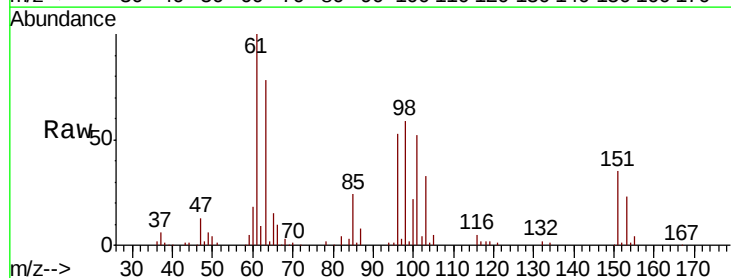
Tgt Ion: 96 Resp: 46362

Ion Ratio Lower Upper

96 100

61 188.2 128.8 239.2

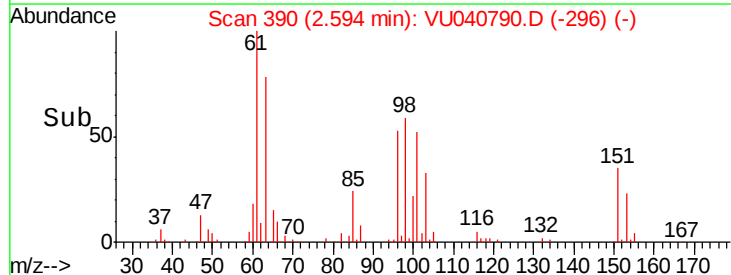
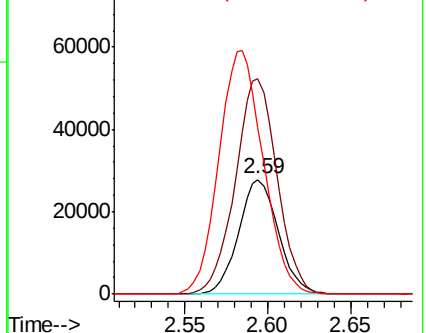
63 146.0 84.6 157.2

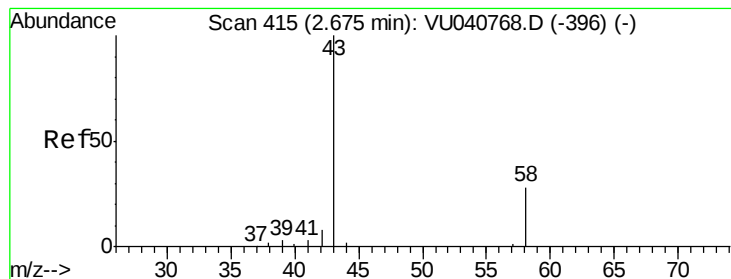


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.976 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

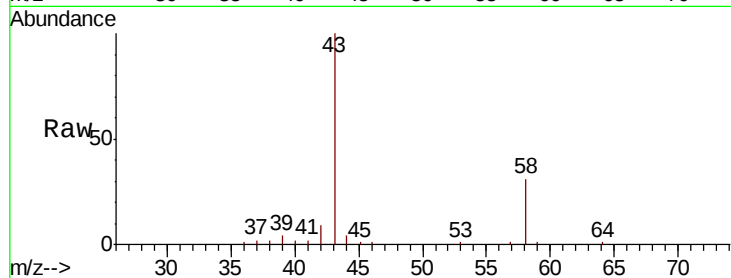
VSTD00516

Tot Ion: 43 Resp: 130368

Ion Ratio Lower Upper

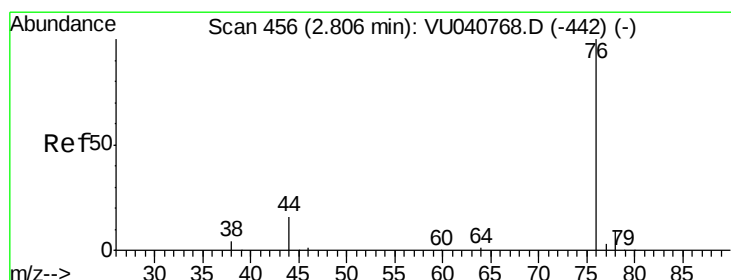
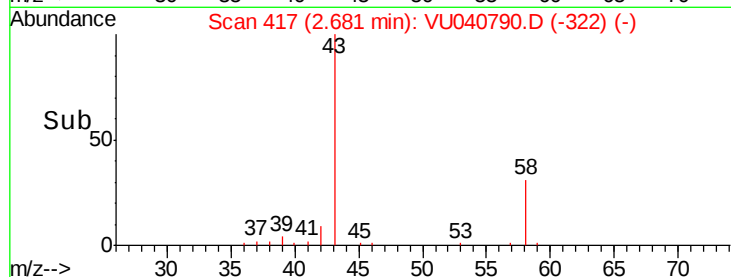
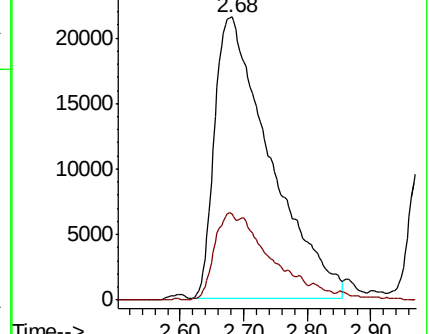
43 100

58 12.5 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040768.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040768.D (-396) (-)



#14

Carbon disulfide

Concen: 4.068 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040790.D

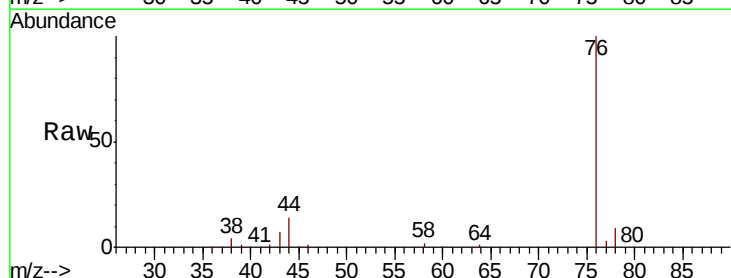
Acq: 18 Oct 2020 03:00

Tgt Ion: 76 Resp: 103116

Ion Ratio Lower Upper

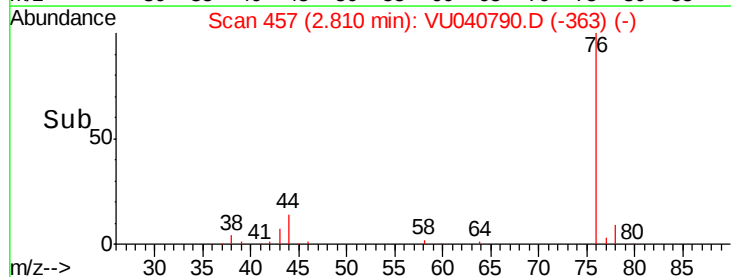
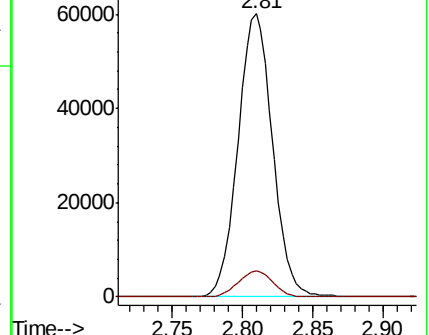
76 100

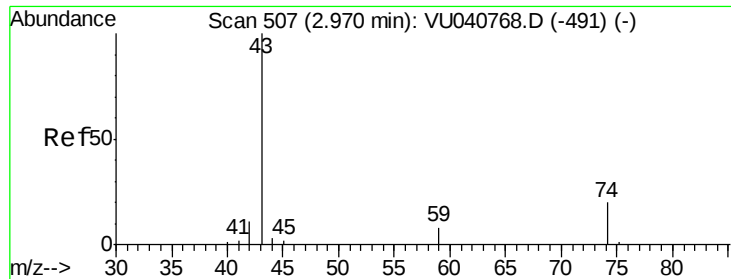
78 9.0 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040768.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040768.D (-442) (-)

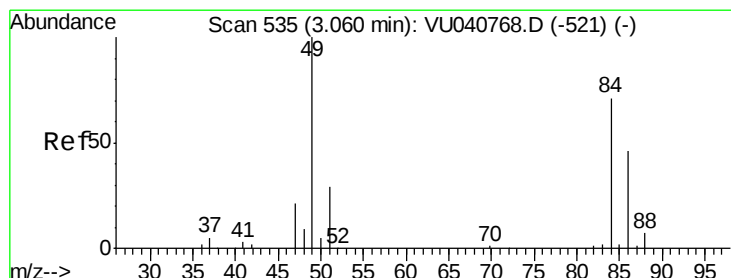
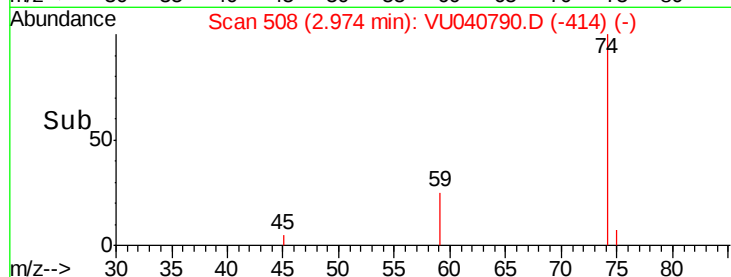
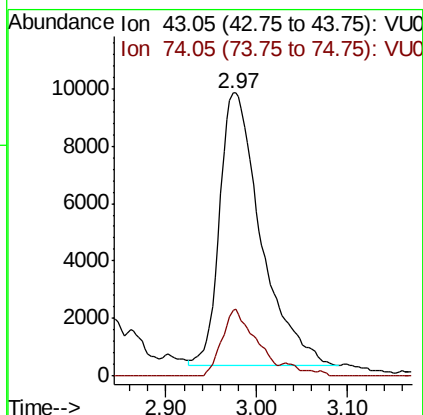
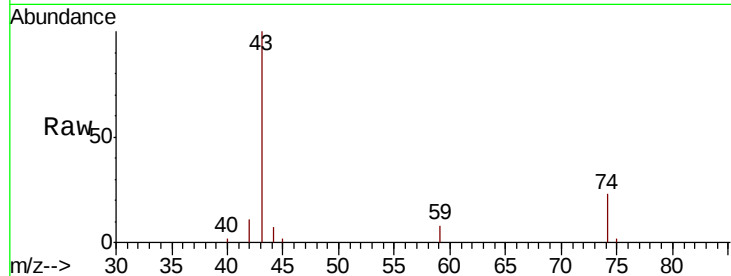




#15
Methyl Acetate
Concen: 5.035 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

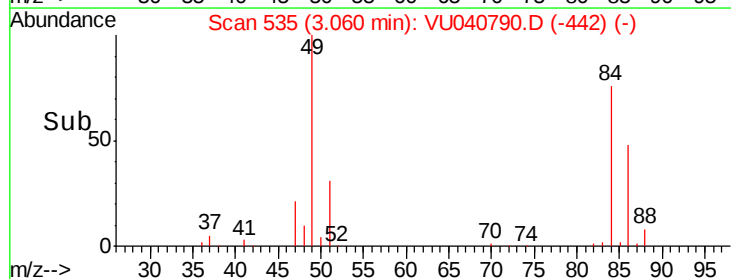
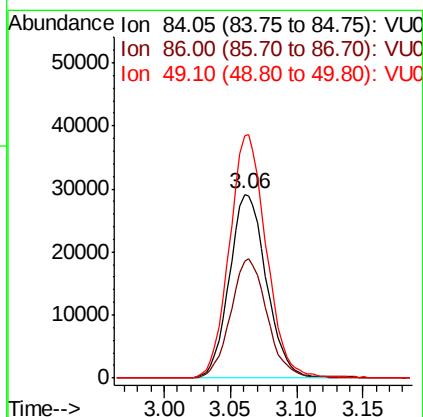
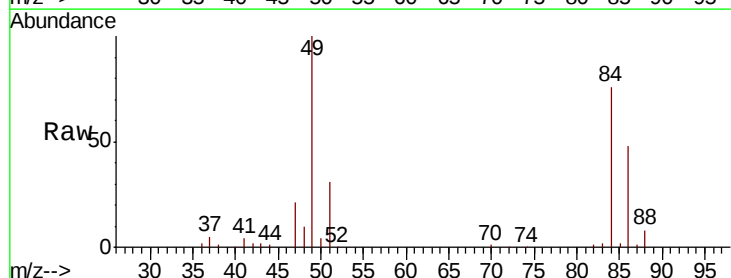
Instrument :
MSVOA_U
ClientSampled :
VSTD00516

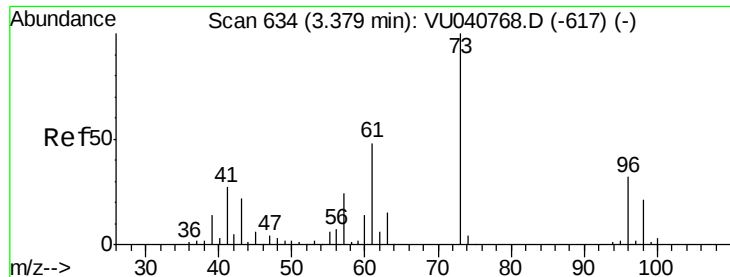
Tot Ion: 43 Resp: 29990
Ion Ratio Lower Upper
43 100
74 19.7 16.5 24.7



#16
Methylene chloride
Concen: 4.871 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

Tgt Ion: 84 Resp: 56635
Ion Ratio Lower Upper
84 100
86 63.6 45.4 84.4
49 132.2 99.8 185.3

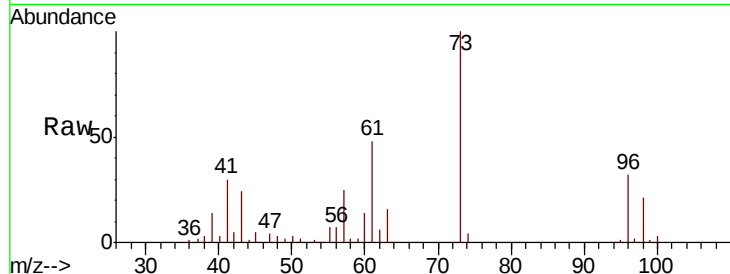




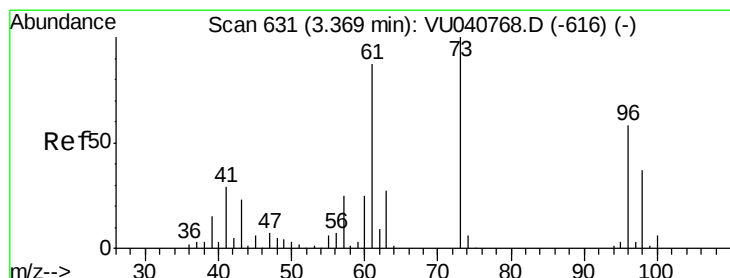
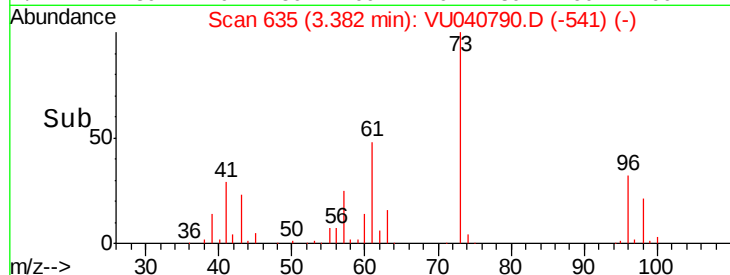
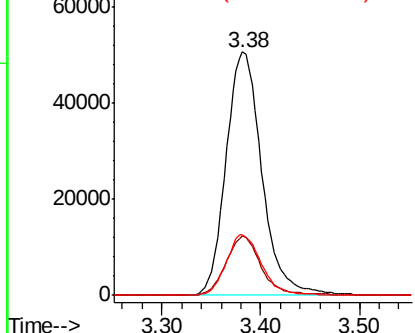
#17
Methvl tert-butvl Ether
Concen: 4.996 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion: 73 Resp: 127928
Ion Ratio Lower Upper
73 100
43 23.6 18.2 27.4
57 24.5 18.6 28.0

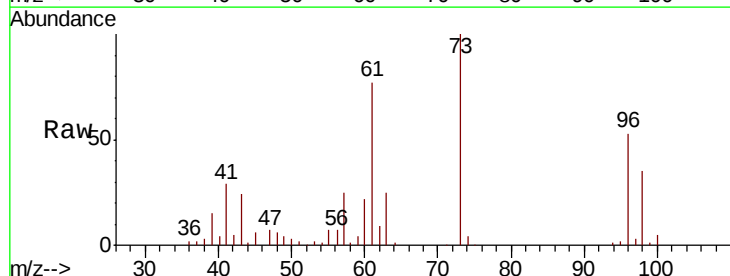


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

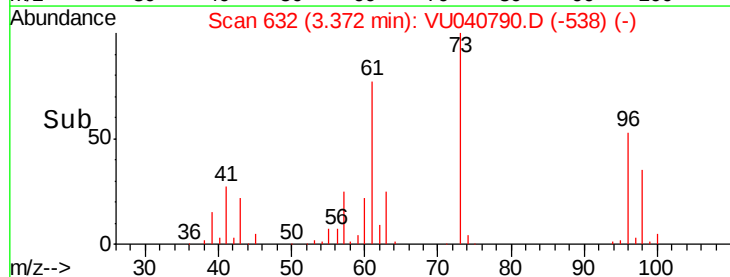
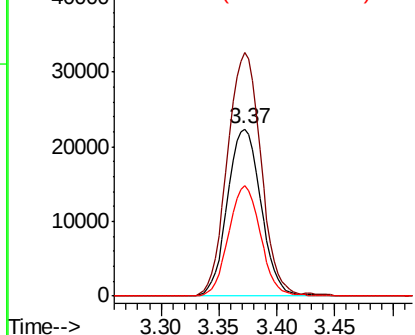


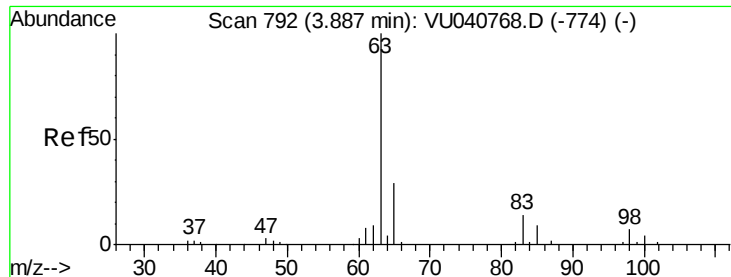
#18
trans-1,2-Dichloroethene
Concen: 4.740 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

Tgt Ion: 96 Resp: 44931
Ion Ratio Lower Upper
96 100
61 145.6 105.9 196.7
98 65.7 43.8 81.3



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

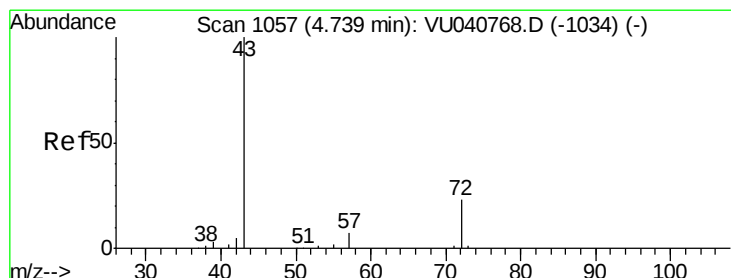
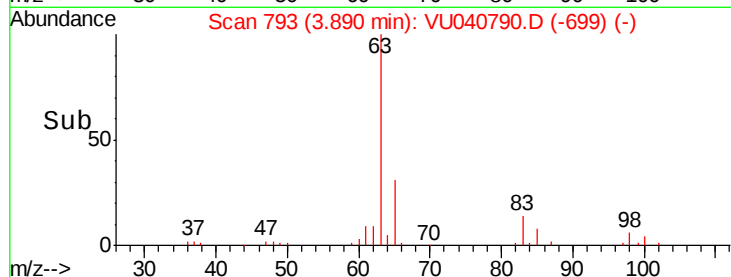
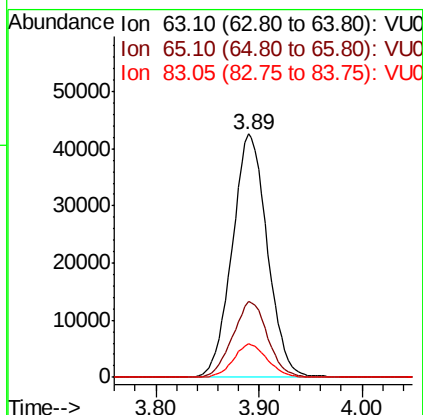
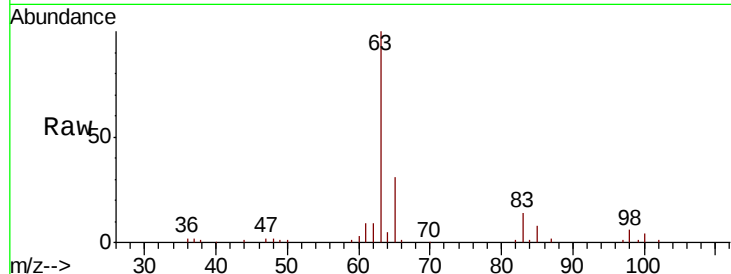




#19
 1,1-Dichloroethane
 Concen: 5.146 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

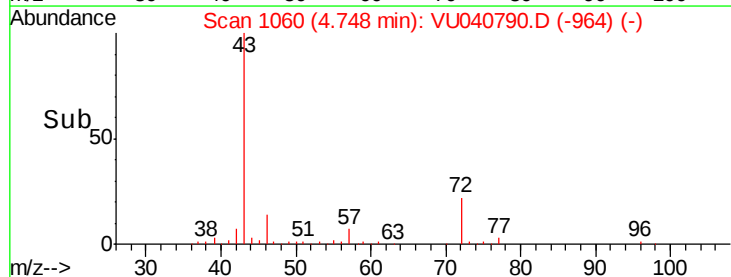
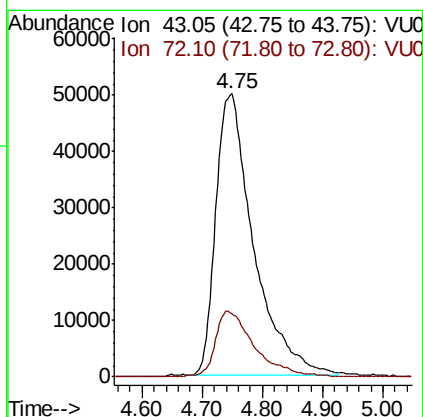
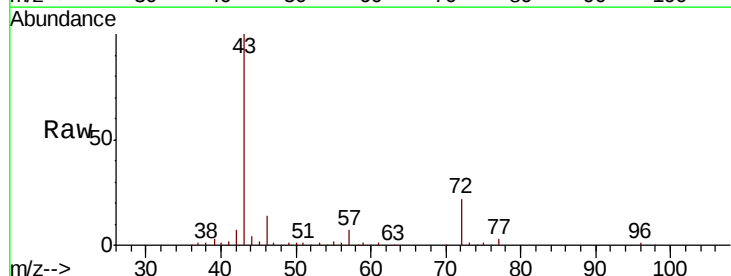
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

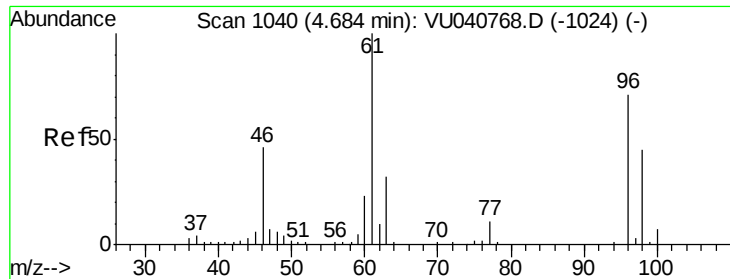
Tot Ion: 63 Resp: 100894
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.9 40.7
 83 13.7 9.6 17.8



#21
 2-Butanone
 Concen: 53.175 ug/L
 RT: 4.75 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Tgt Ion: 43 Resp: 216262
 Ion Ratio Lower Upper
 43 100
 72 24.2 11.4 34.2

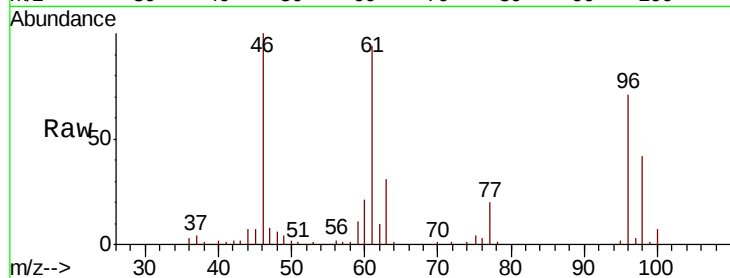




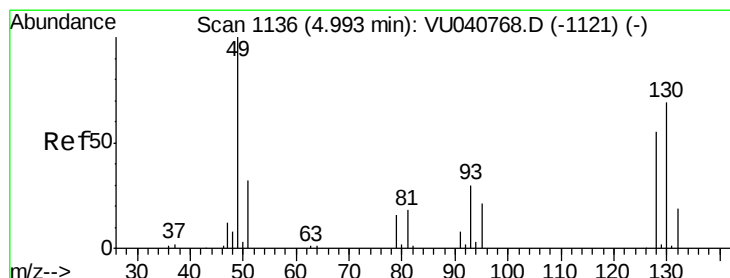
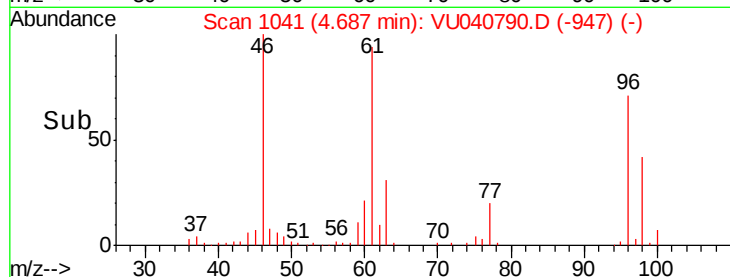
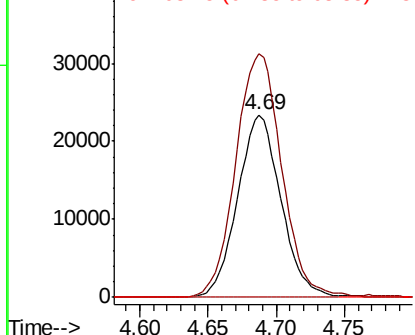
#22
 cis-1,2-Dichloroethene
 Concen: 5.042 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion: 96 Resp: 51546
 Ion Ratio Lower Upper
 96 100
 61 133.3 99.8 185.4
 68 0.0 0.0 0.0

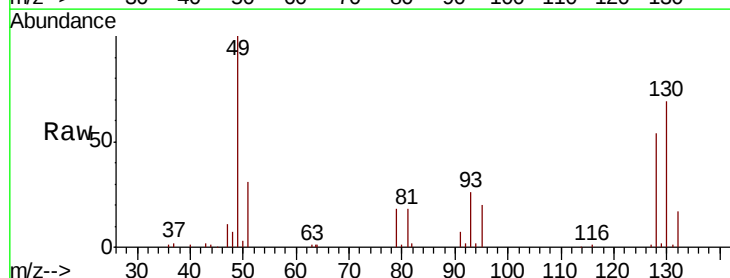


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

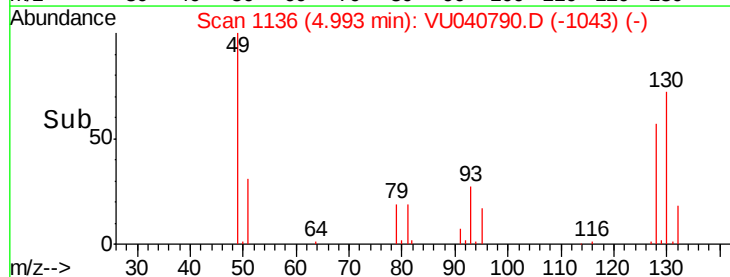
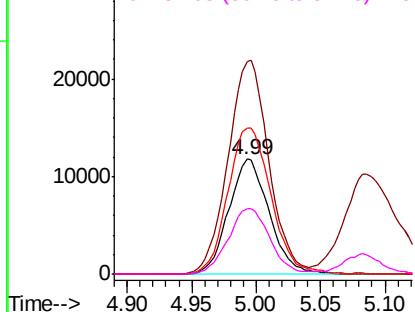


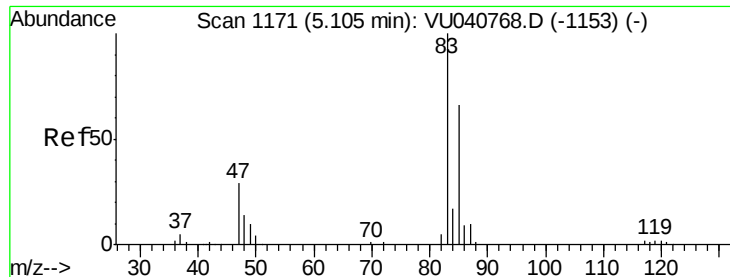
#23
 Bromochloromethane
 Concen: 5.044 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Tgt Ion:128 Resp: 25617
 Ion Ratio Lower Upper
 128 100
 49 185.8 132.2 245.4
 130 127.6 89.2 165.8
 51 56.9 45.3 67.9



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

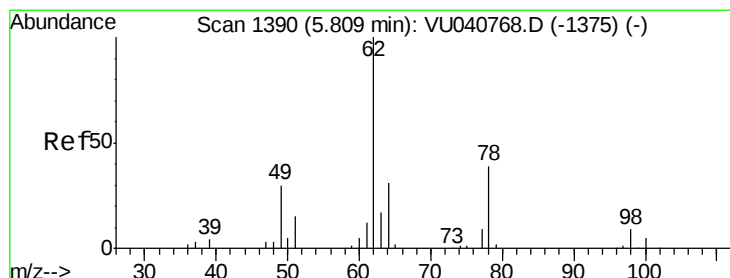
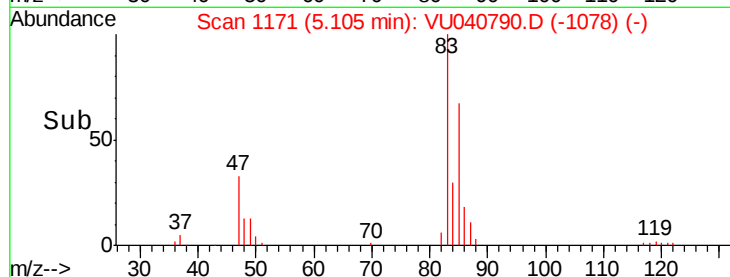
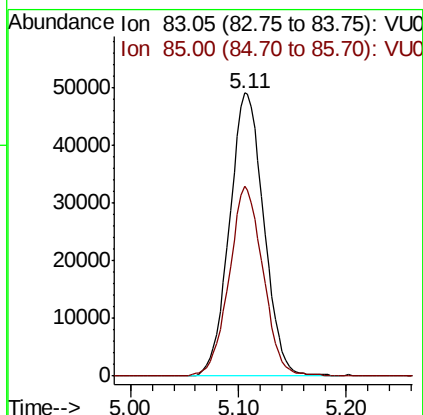
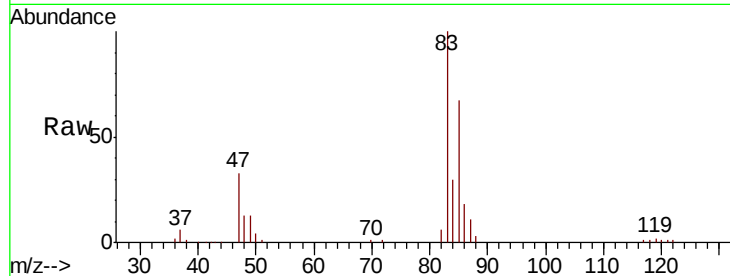




#25
Chloroform
Concen: 5.439 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

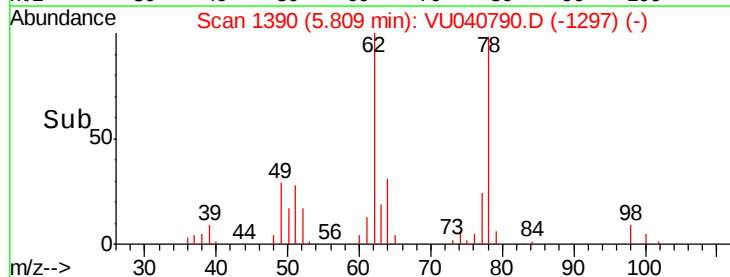
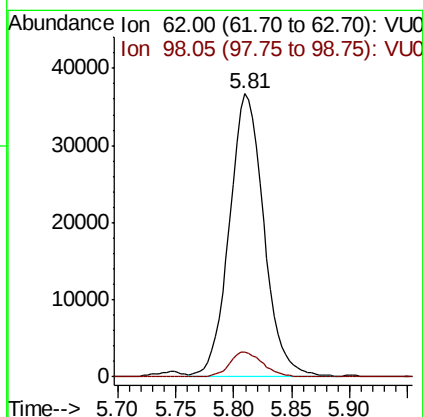
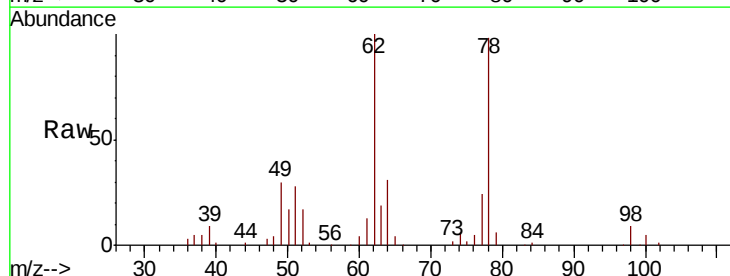
Instrument :
MSVOA_U
ClientSampled :
VSTD00516

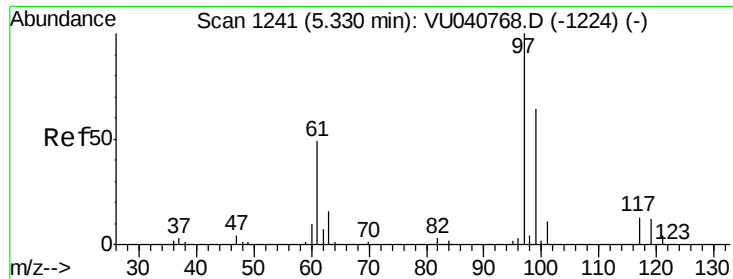
Tot Ion: 83 Resp: 108861
Ion Ratio Lower Upper
83 100
85 66.9 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.371 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

Tgt Ion: 62 Resp: 76088
Ion Ratio Lower Upper
62 100
98 8.7 6.6 10.0

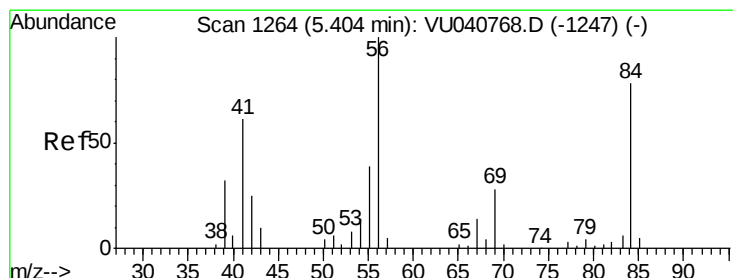
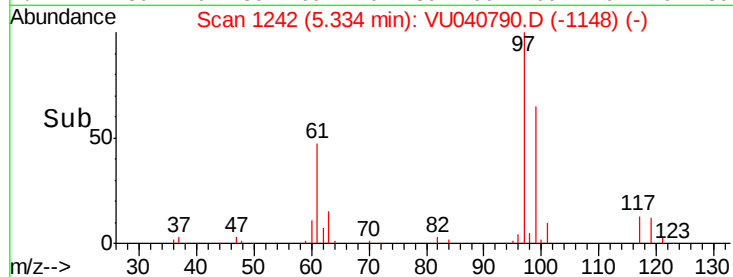
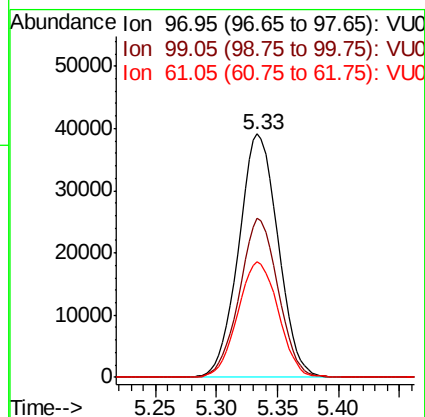
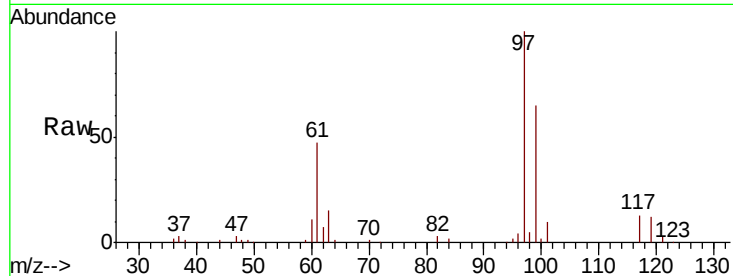




#29
 1,1,1-Trichloroethane
 Concen: 5.052 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

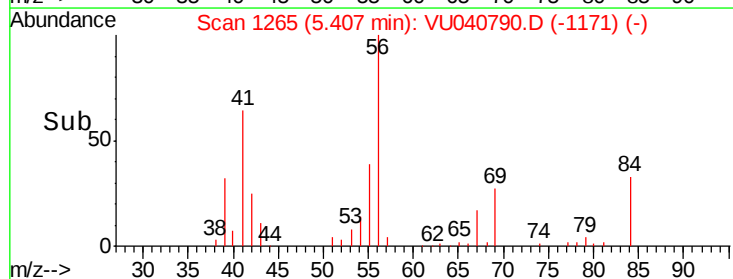
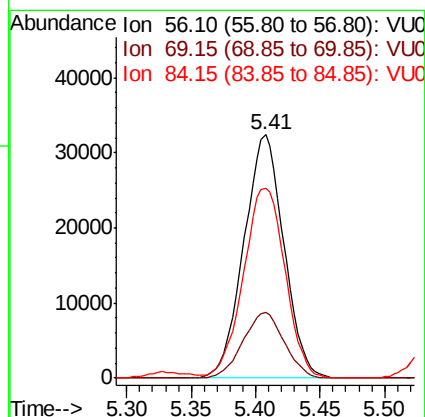
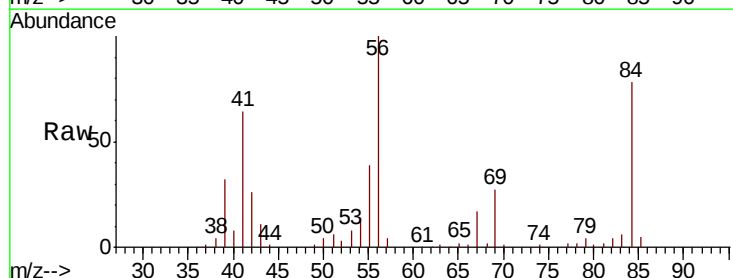
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

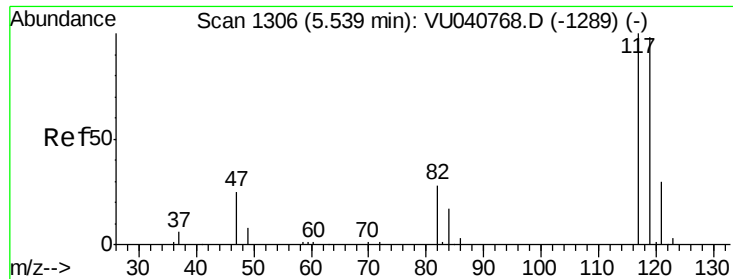
Tot Ion: 97 Resp: 87407
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.3 76.9
 61 48.8 39.4 59.2



#30
 Cyclohexane
 Concen: 4.392 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Tgt Ion: 56 Resp: 70024
 Ion Ratio Lower Upper
 56 100
 69 28.0 23.8 35.8
 84 81.5 64.0 96.0





#31

Carbon tetrachloride

Concen: 5.181 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

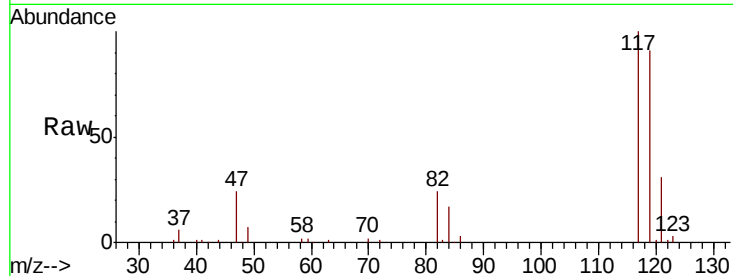
VSTD00516

Tot Ion:117 Resp: 76714

Ion Ratio Lower Upper

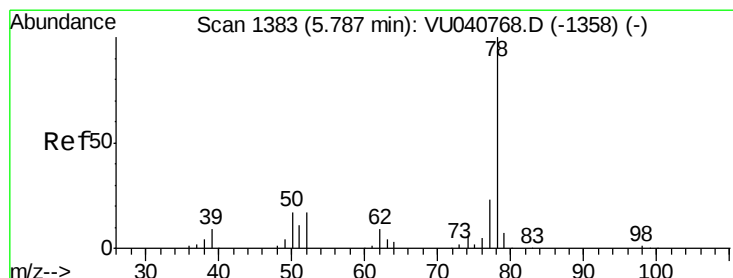
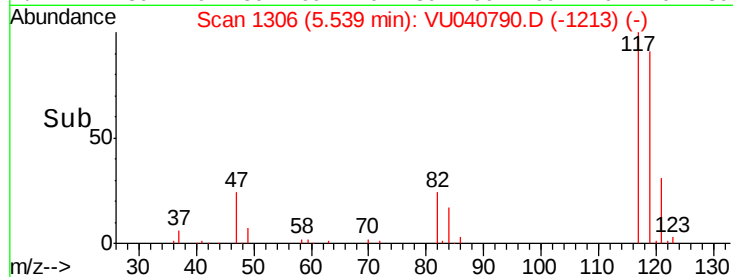
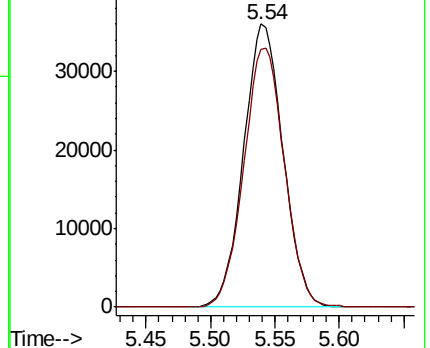
117 100

119 94.4 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.053 ug/L

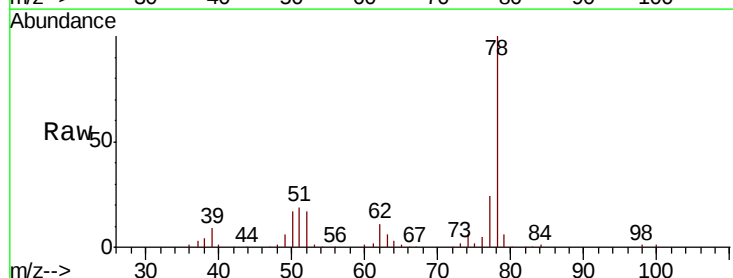
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

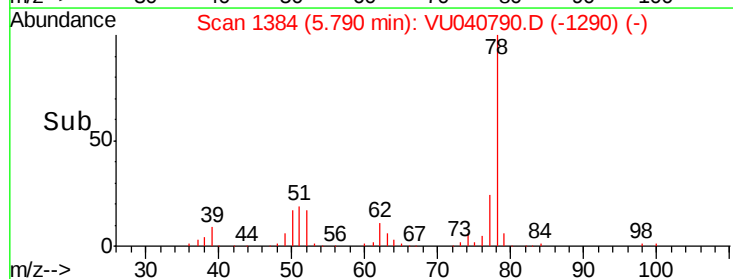
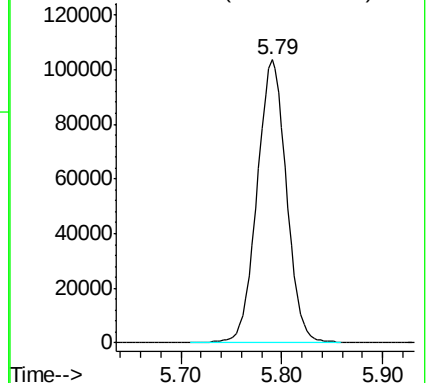
Lab File: VU040790.D

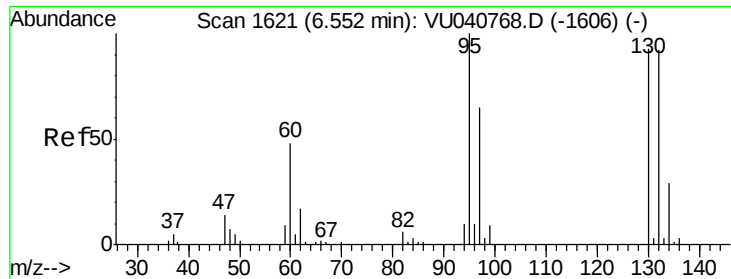
Acq: 18 Oct 2020 03:00

Tgt Ion: 78 Resp: 208989



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.808 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

Tot Ion: 95 Resp: 51551

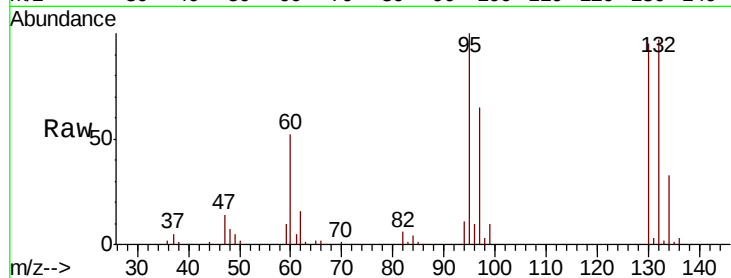
Ion Ratio Lower Upper

95 100

97 65.2 45.5 84.5

132 96.5 67.5 125.4

130 94.8 69.9 129.9

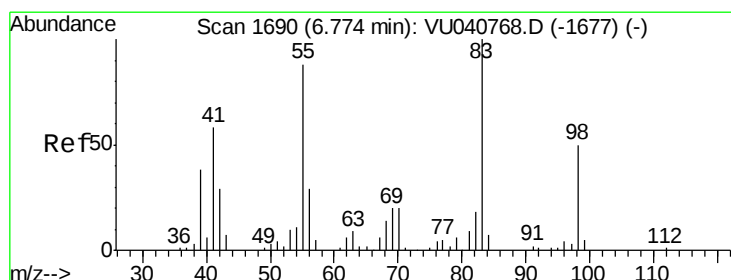
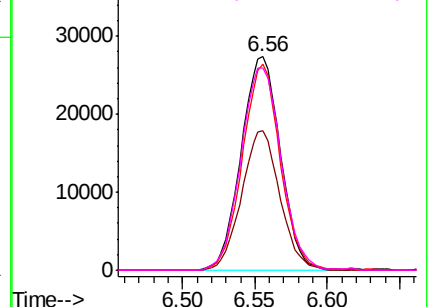
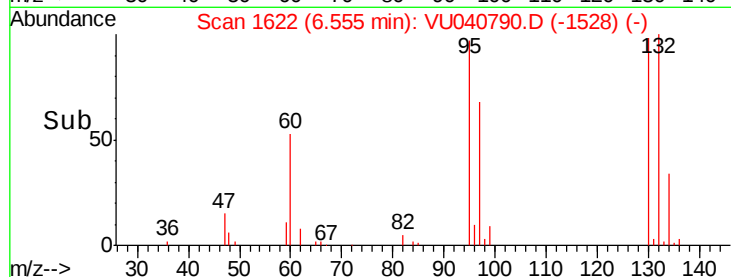


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.226 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

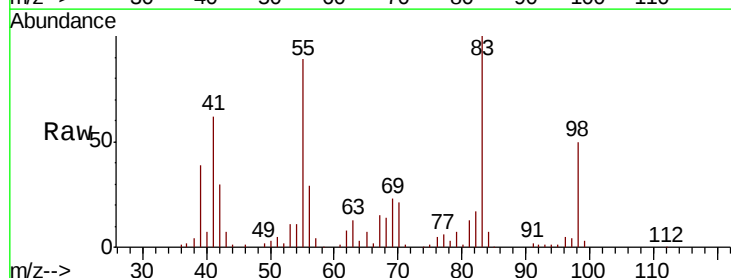
Tgt Ion: 83 Resp: 64259

Ion Ratio Lower Upper

83 100

55 91.0 70.7 106.1

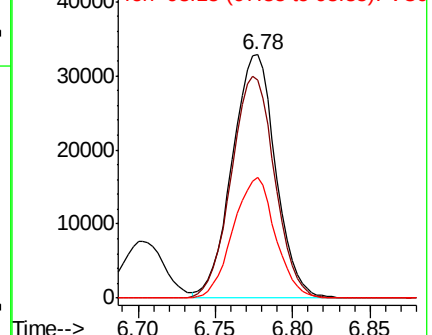
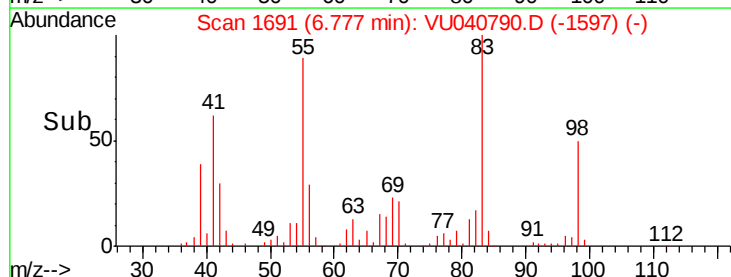
98 48.1 38.4 57.6

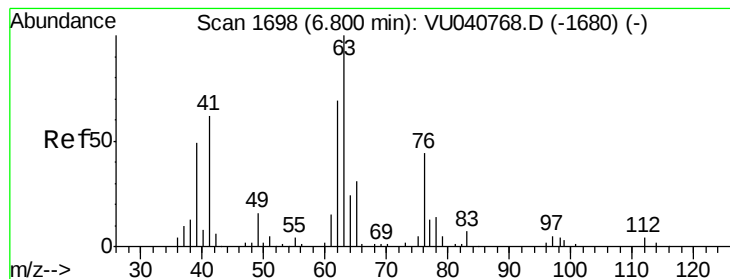


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.181 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

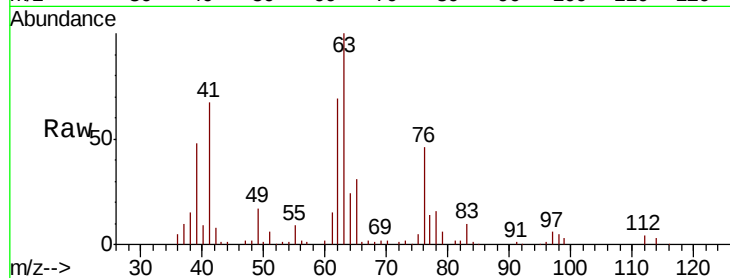
VSTD00516

Tot Ion: 63 Resp: 59712

Ion Ratio Lower Upper

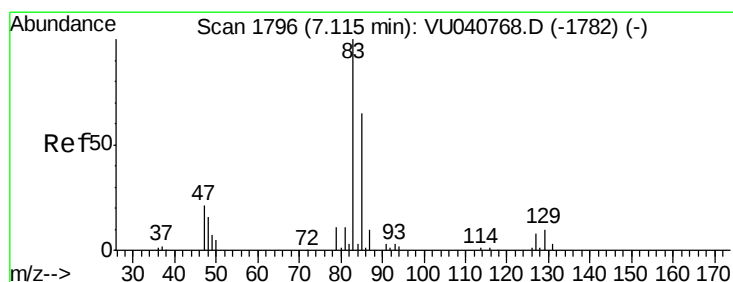
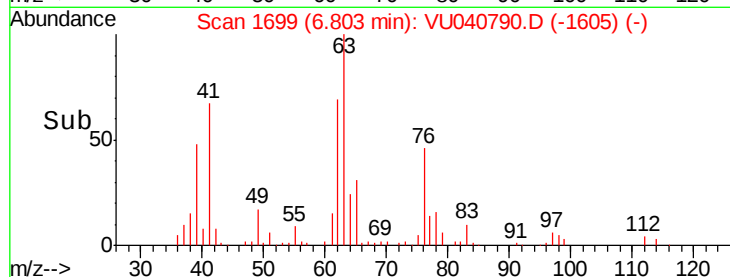
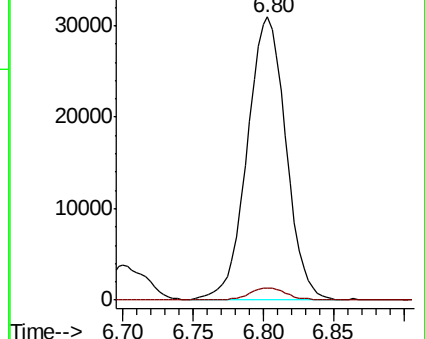
63 100

112 4.2 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040768.D (-1680) (-)

Ion 112.10 (111.80 to 112.80): VU040768.D (-1680) (-)



#38

Bromodichloromethane

Concen: 5.362 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

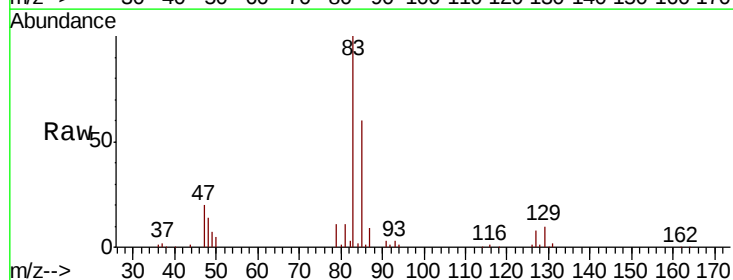
Tgt Ion: 83 Resp: 78996

Ion Ratio Lower Upper

83 100

85 59.9 46.0 85.4

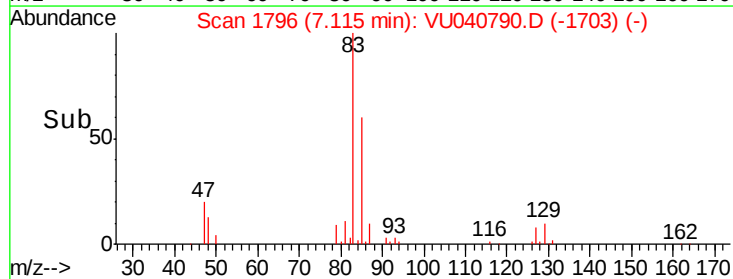
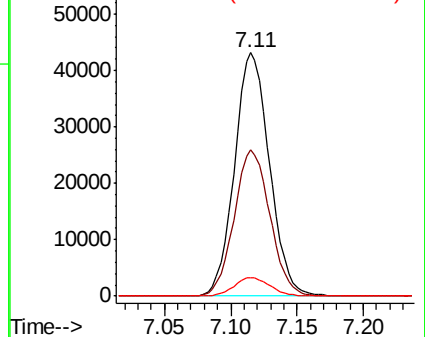
127 7.7 6.7 10.1

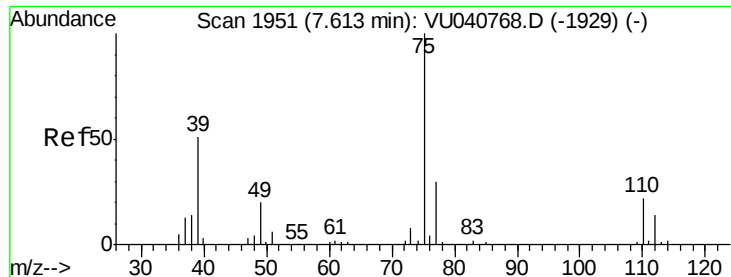


Abundance Ion 82.95 (82.65 to 83.65): VU040768.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU040768.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU040768.D (-1782) (-)

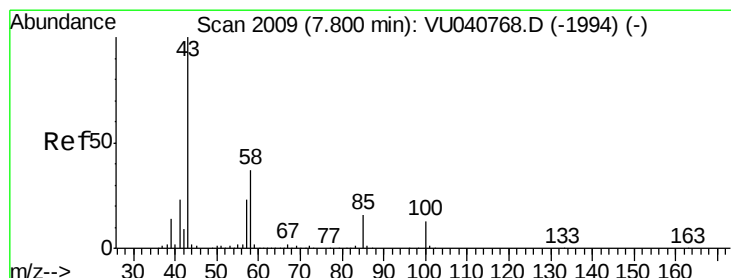
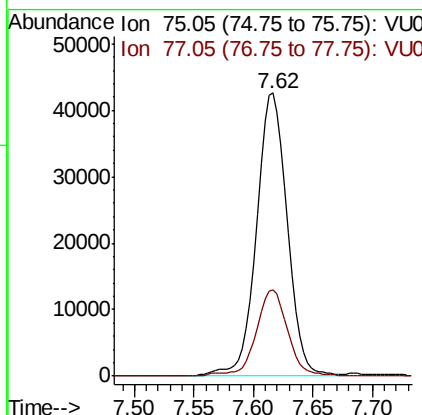
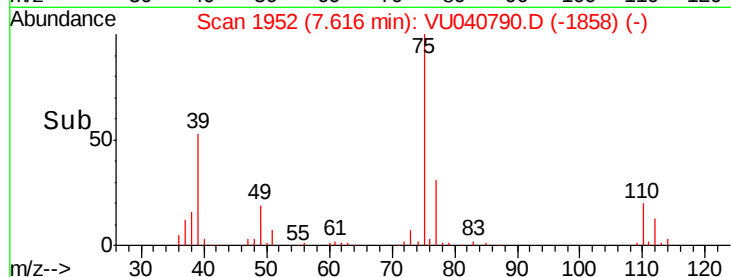
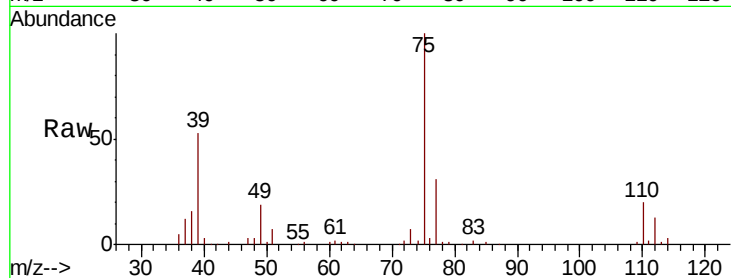




#39
 cis-1,3-Dichloropropene
 Concen: 4.860 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

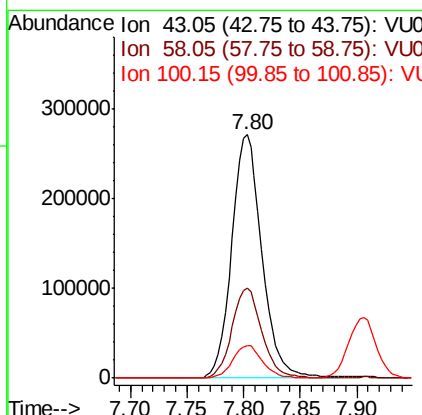
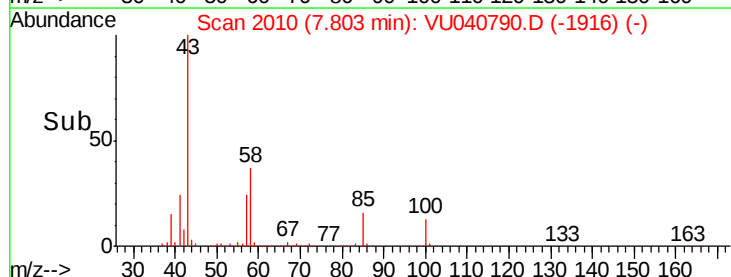
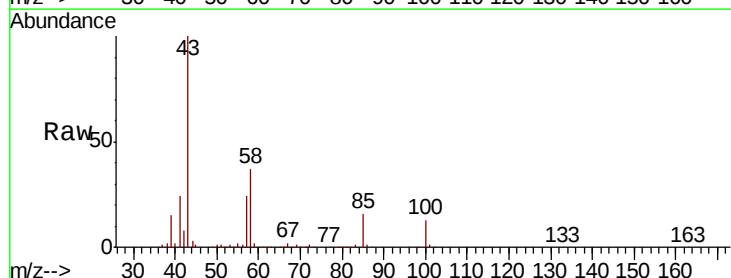
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

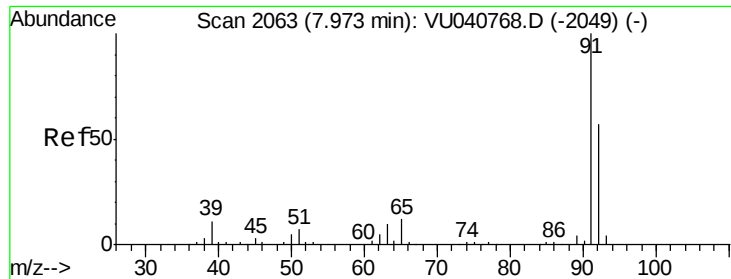
Tot Ion: 75 Resp: 76520
 Ion Ratio Lower Upper
 75 100
 77 30.7 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 54.854 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Tgt Ion: 43 Resp: 503998
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.7 44.5
 100 13.3 10.7 16.1





#42

Toluene

Concen: 5.177 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

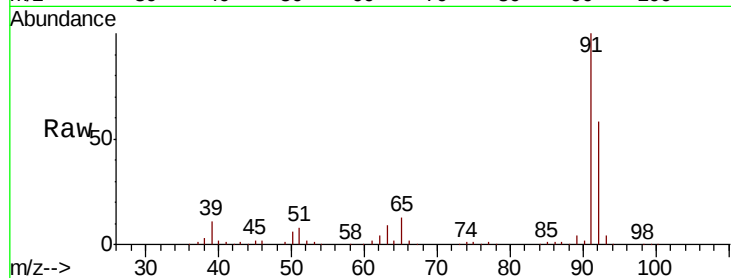
VSTD00516

Tot Ion: 91 Resp: 218201

Ion Ratio Lower Upper

91 100

92 57.8 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040768.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040768.D (-2049) (-)

7.98

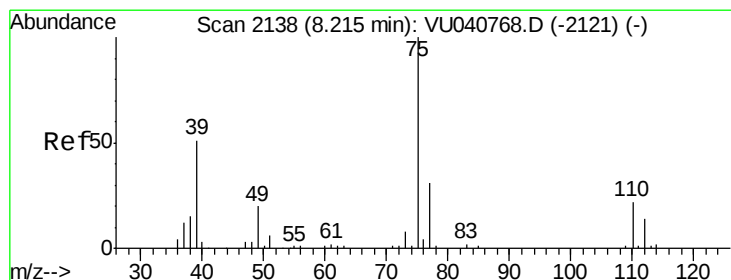
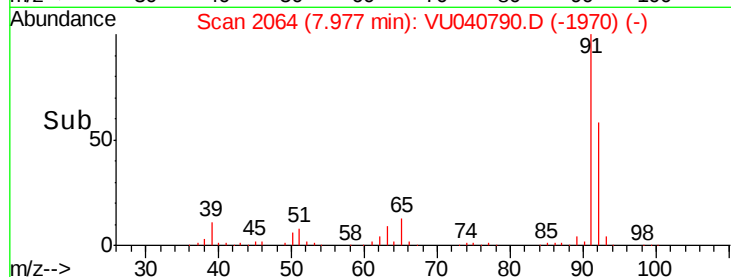
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.139 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040790.D

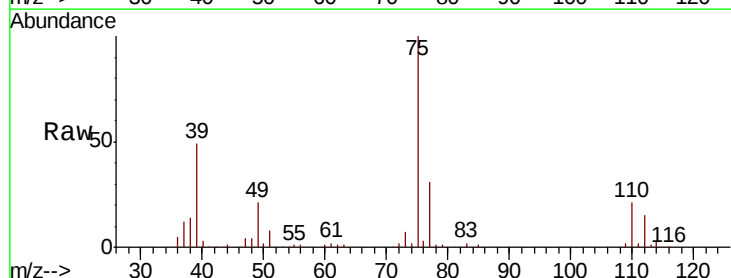
Acq: 18 Oct 2020 03:00

Tgt Ion: 75 Resp: 74499

Ion Ratio Lower Upper

75 100

77 31.0 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040768.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040768.D (-2121) (-)

8.22

50000

40000

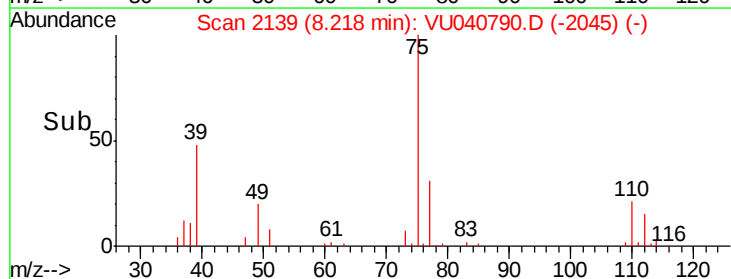
30000

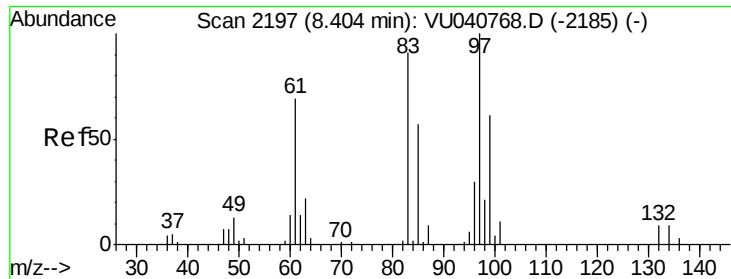
20000

10000

0

Time-->

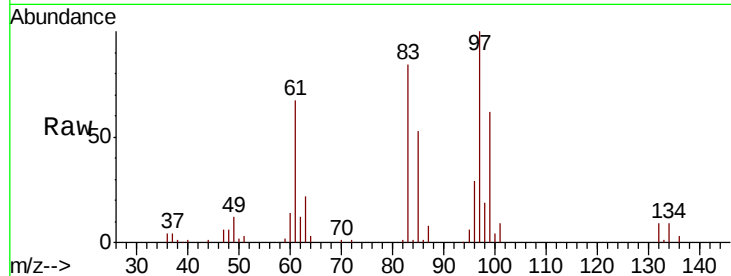




#45
1,1,2-Trichloroethane
Concen: 5.417 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion:	97	Resp:	46755
Ion	Ratio	Lower	Upper
97	100		
99	61.7	44.0	81.6
83	83.9	62.9	116.9
85	52.7	40.3	74.8



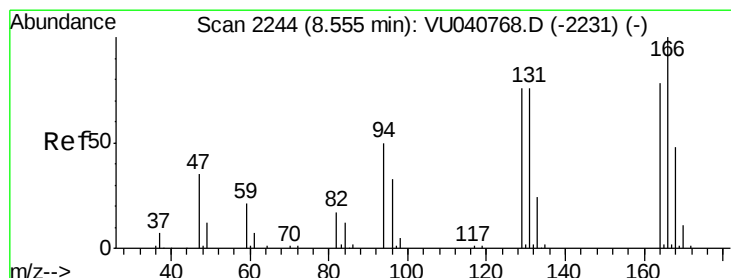
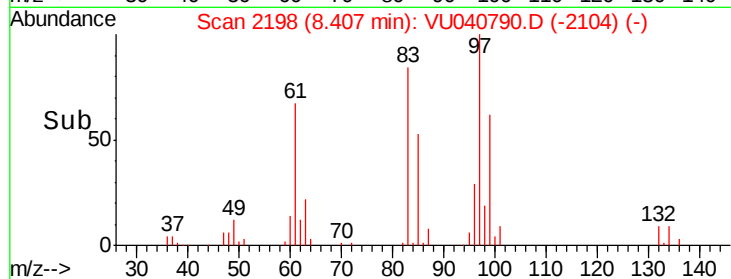
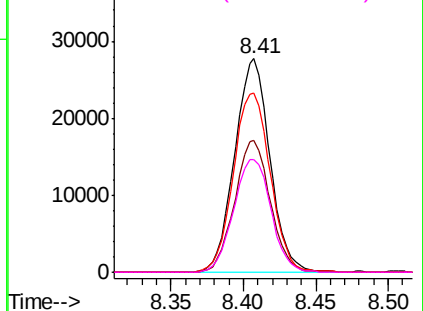
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

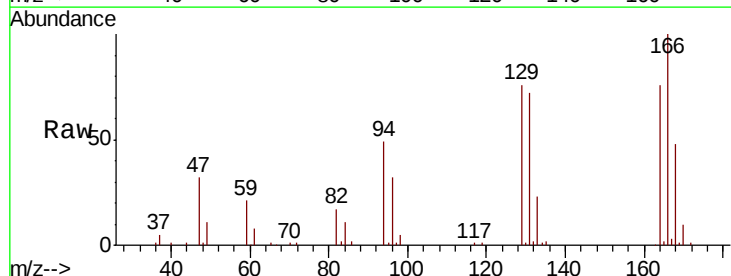
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
Tetrachloroethene
Concen: 4.994 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

Tgt Ion:	164	Resp:	38200
Ion	Ratio	Lower	Upper
164	100		
129	100.0	68.8	127.8
131	94.8	66.7	123.9
166	131.8	83.9	155.7



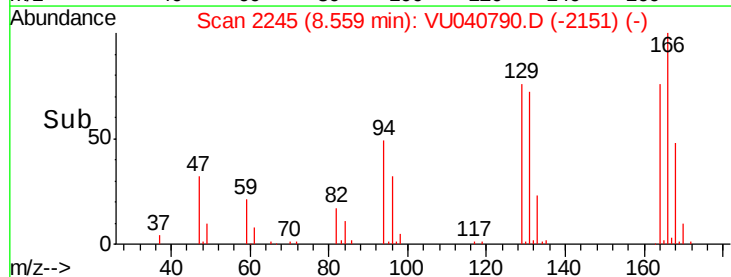
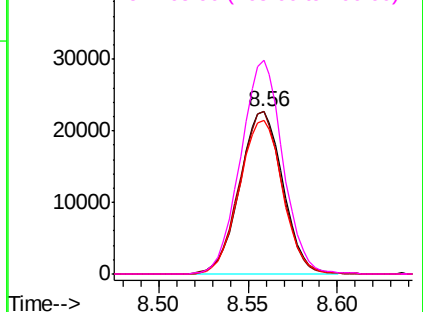
Abundance

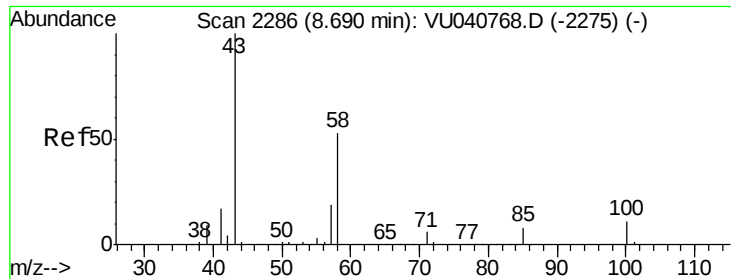
Ion 163.90 (163.60 to 164.60): V

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

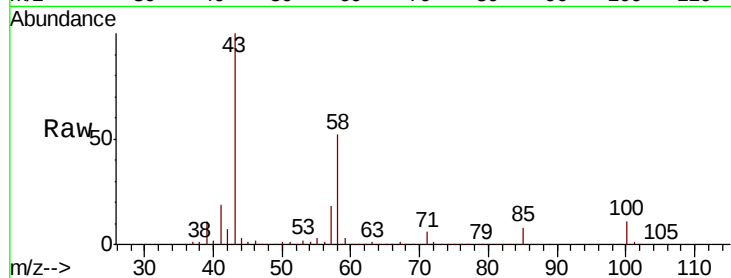




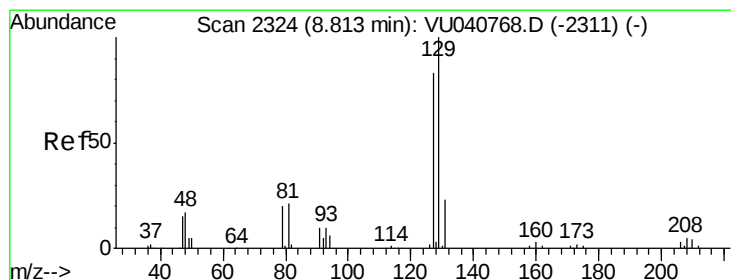
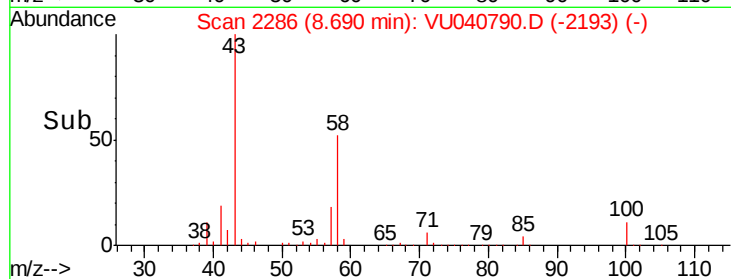
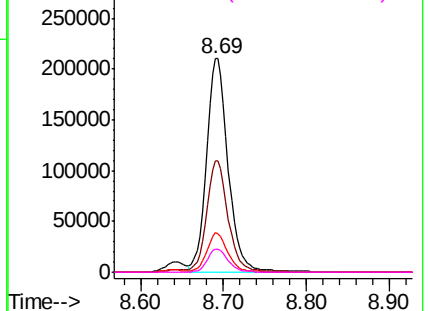
#48
2-Hexanone
Concen: 56.397 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion: 43 Resp: 385796
Ion Ratio Lower Upper
43 100
58 50.7 41.0 61.6
57 18.0 14.4 21.6
100 10.6 8.6 13.0

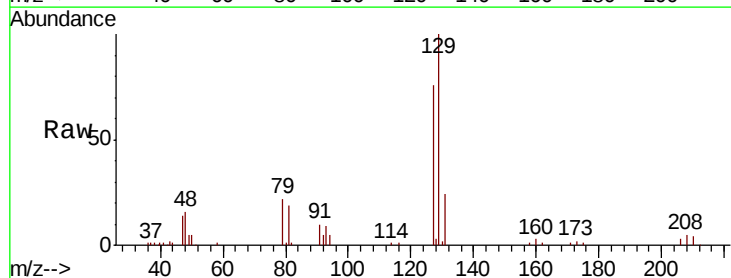


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

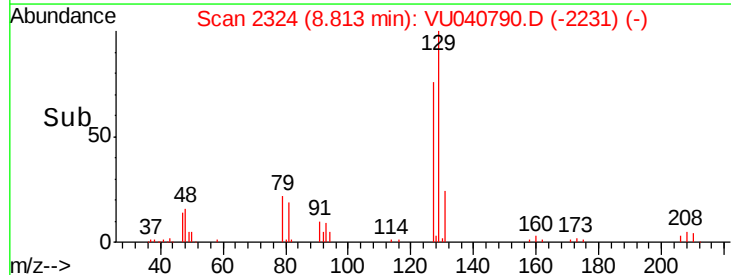
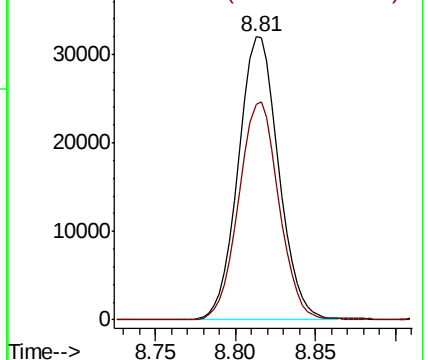


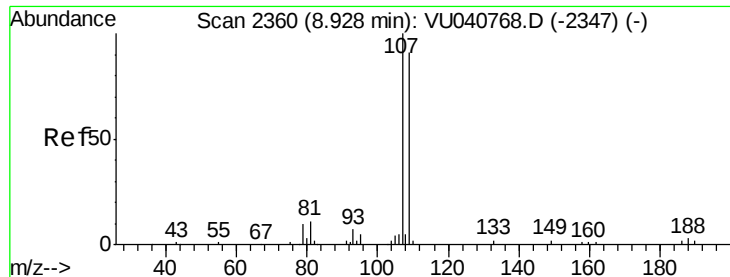
#49
Dibromochloromethane
Concen: 5.547 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

Tgt Ion: 129 Resp: 55089
Ion Ratio Lower Upper
129 100
127 76.1 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

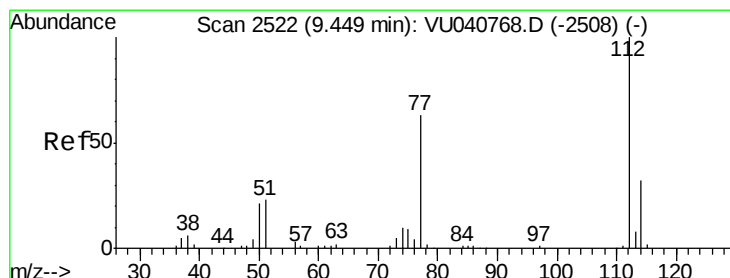
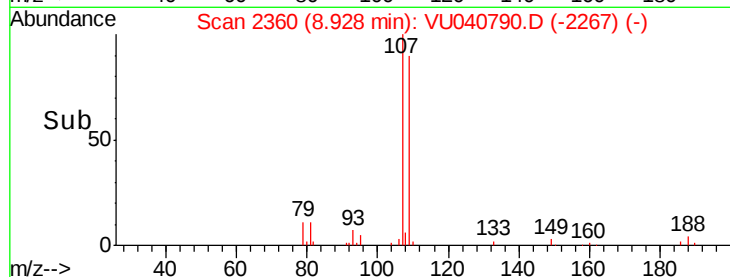
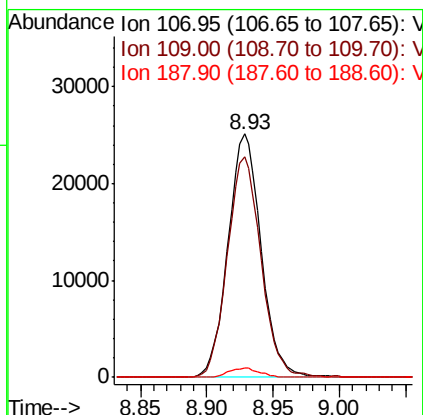
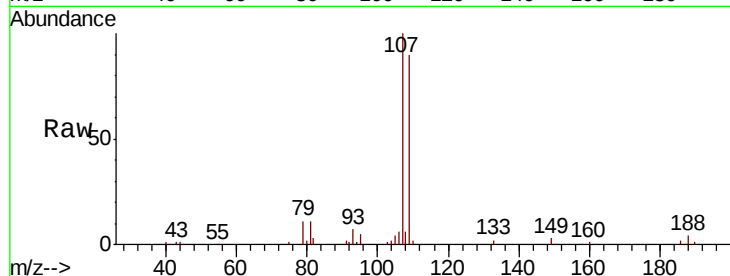




#50
 1,2-Dibromoethane
 Concen: 5.310 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

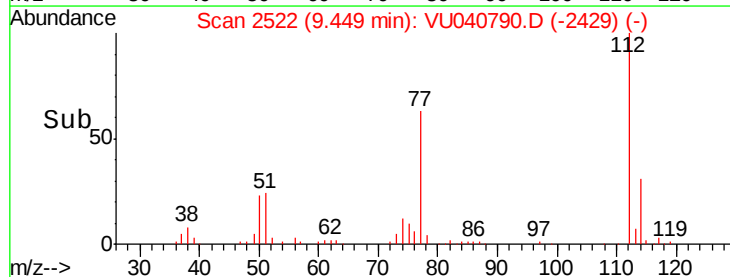
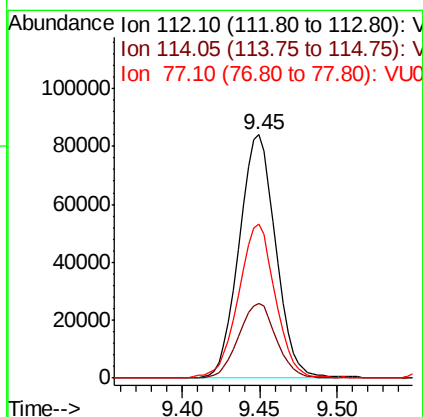
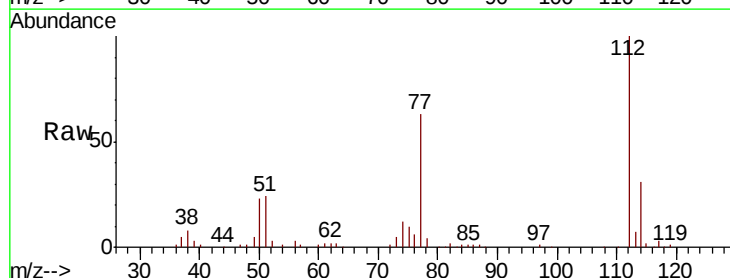
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

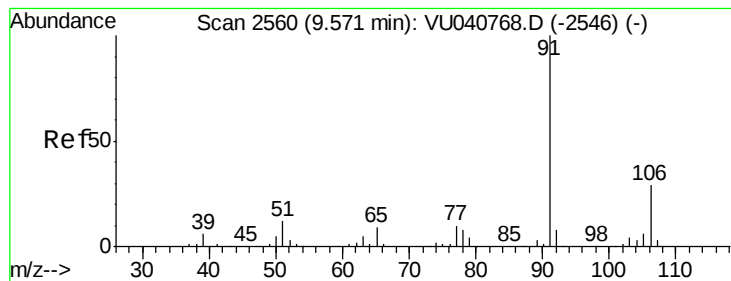
Tot Ion:107 Resp: 43477
 Ion Ratio Lower Upper
 107 100
 109 90.4 65.7 121.9
 188 3.8 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.988 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Tgt Ion:112 Resp: 138476
 Ion Ratio Lower Upper
 112 100
 114 30.8 23.1 42.9
 77 63.1 50.3 75.5





#52

Ethylbenzene

Concen: 4.983 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

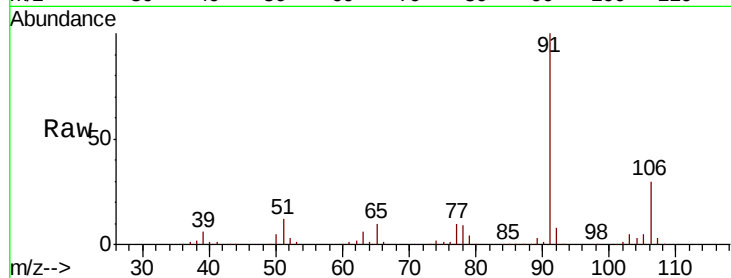
VSTD00516

Tot Ion: 91 Resp: 227288

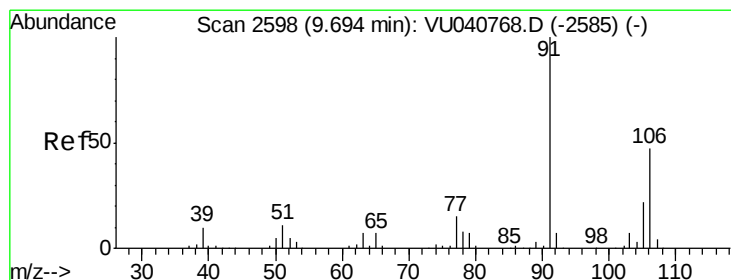
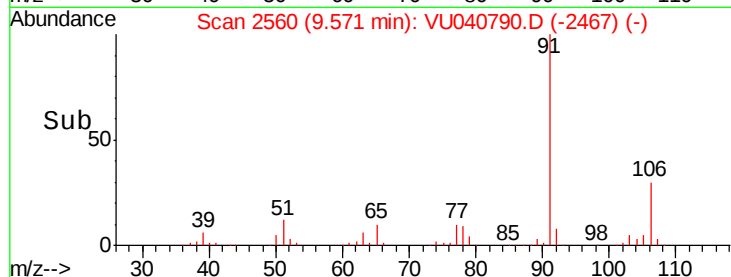
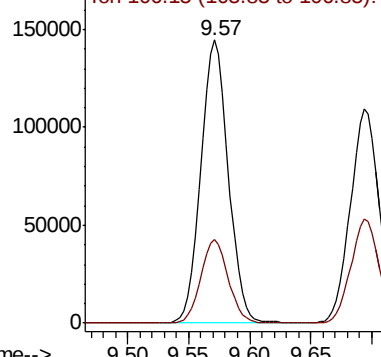
Ion Ratio Lower Upper

91 100

106 29.5 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040768.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.186 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040790.D

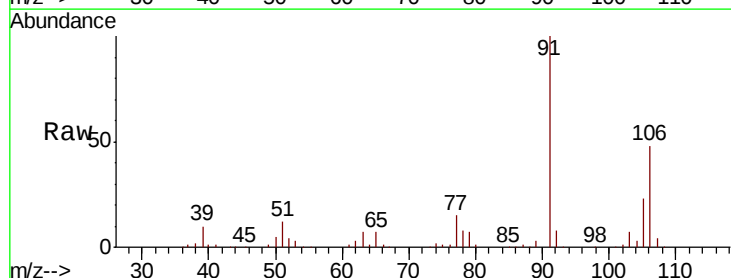
Acq: 18 Oct 2020 03:00

Tgt Ion: 106 Resp: 86224

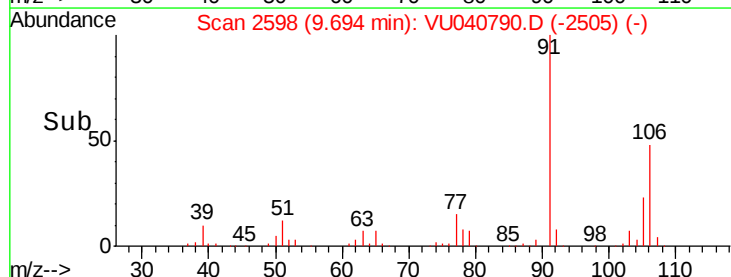
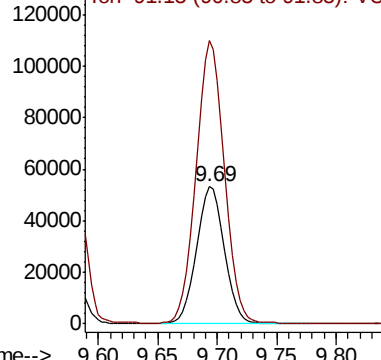
Ion Ratio Lower Upper

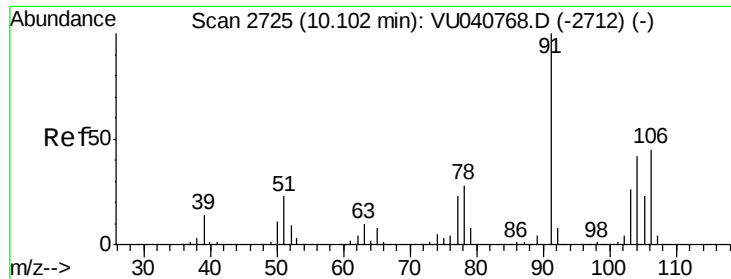
106 100

91 206.5 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040768.D (-2585) (-)

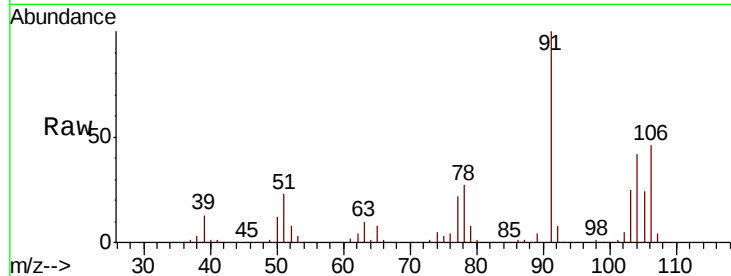




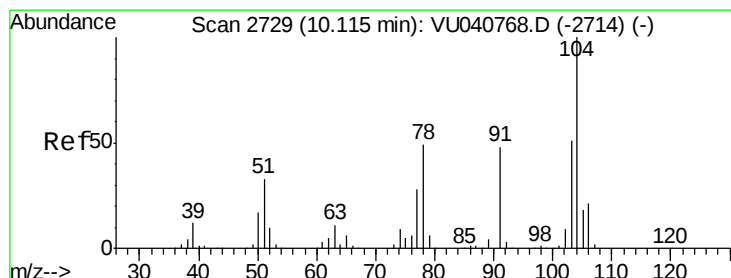
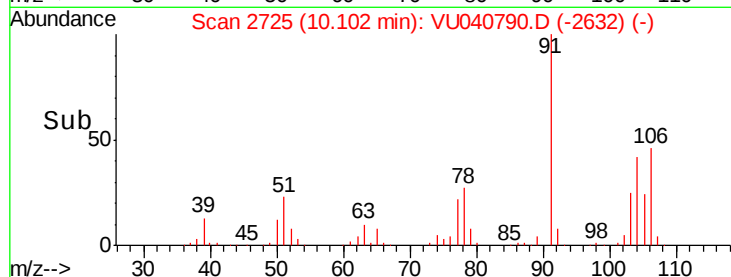
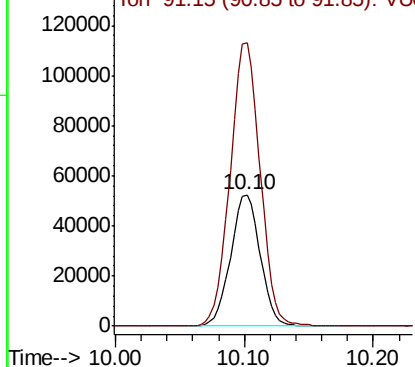
#54
o-Xylene
Concen: 5.213 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tot Ion:106 Resp: 83348
Ion Ratio Lower Upper
106 100
91 215.9 160.2 297.4

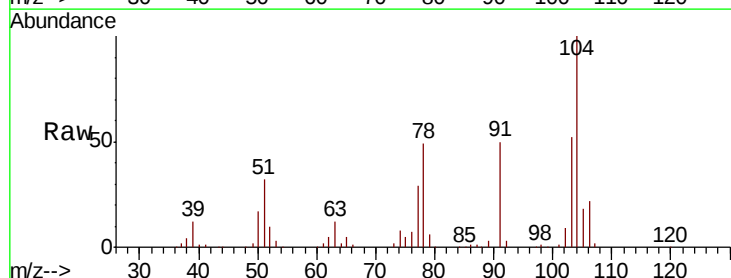


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

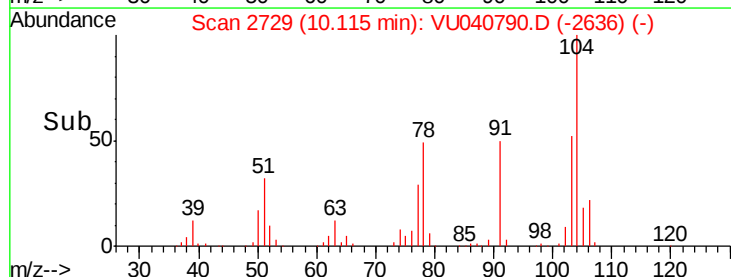
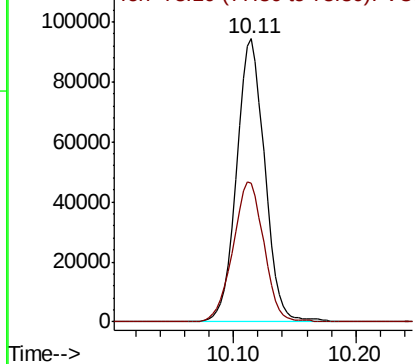


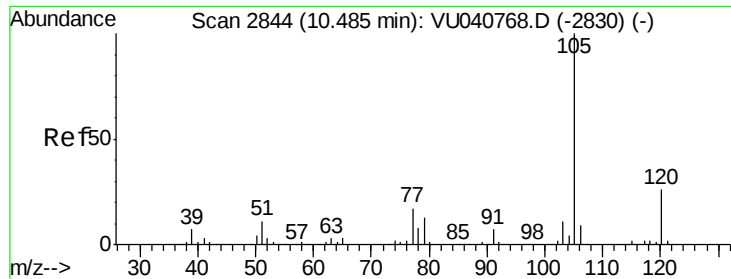
#55
Styrene
Concen: 5.419 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040790.D
Acq: 18 Oct 2020 03:00

Tgt Ion:104 Resp: 150479
Ion Ratio Lower Upper
104 100
78 48.9 34.6 64.3



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





#56

Isopropylbenzene

Concen: 5.180 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

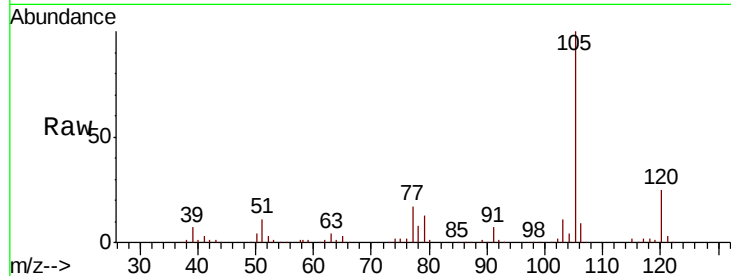
Tot Ion:105 Resp: 222942

Ion Ratio Lower Upper

105 100

120 25.8 20.6 30.8

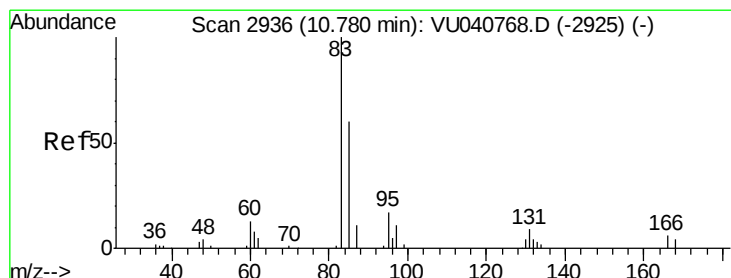
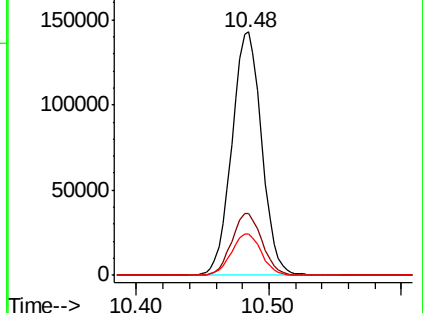
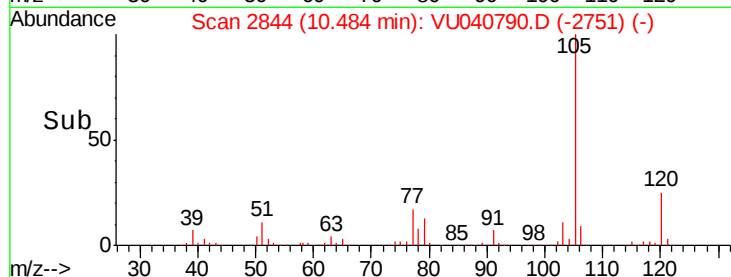
77 17.3 13.8 20.6



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: 5.483 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

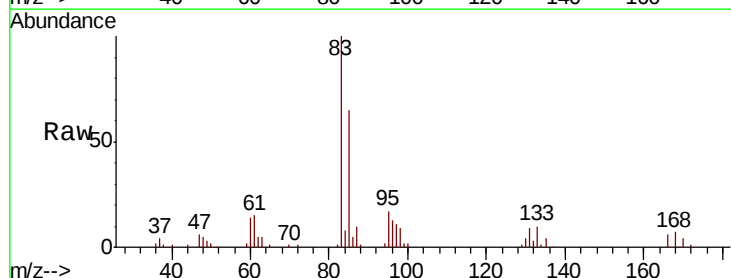
Tgt Ion: 83 Resp: 62142

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.6

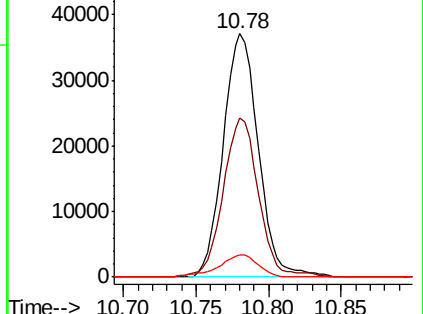
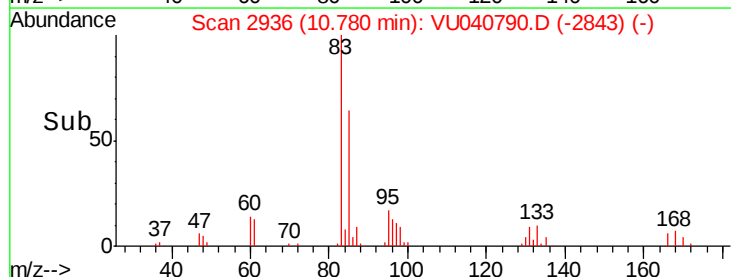
131 9.2 7.1 10.7

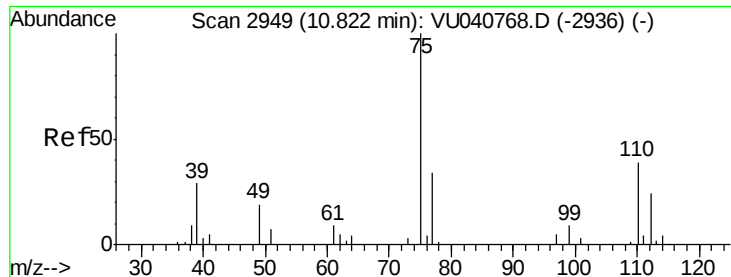


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

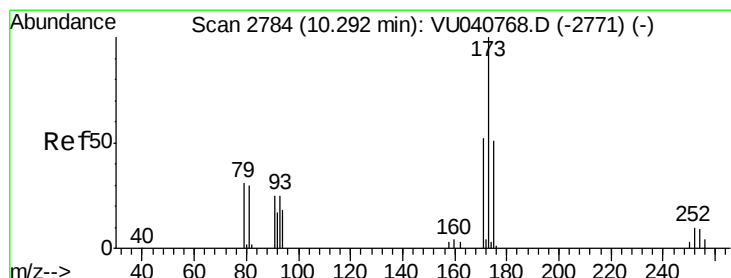
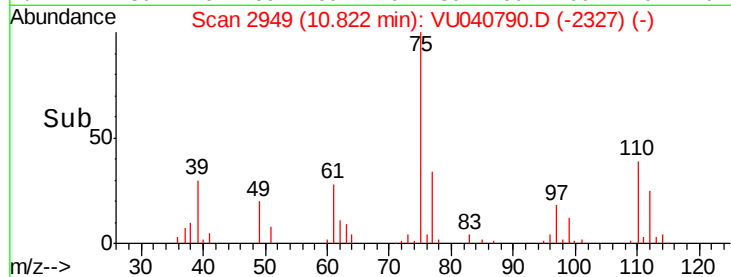
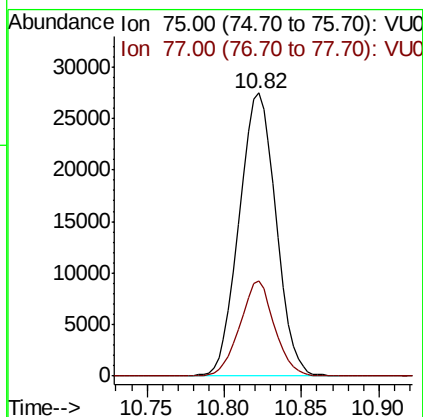
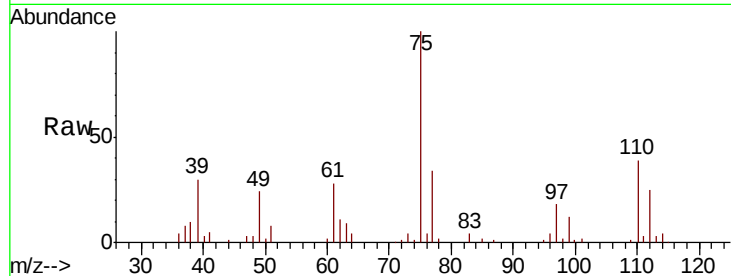




#59
 1,2,3-Trichloropropane
 Concen: 5.387 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

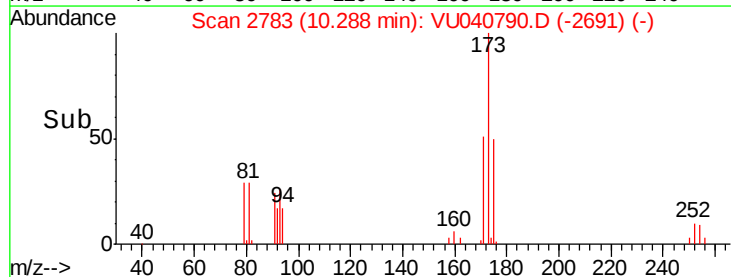
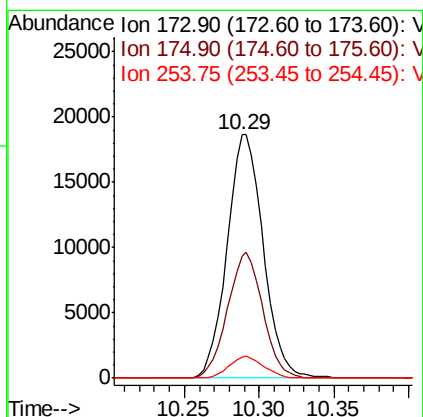
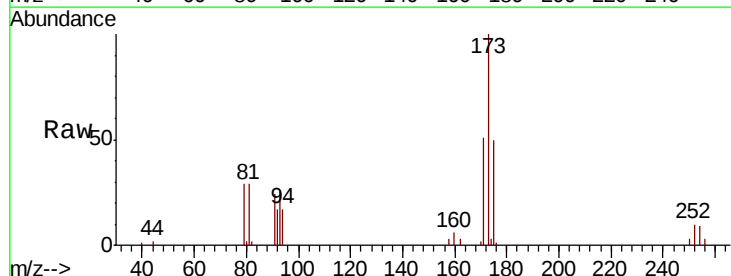
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

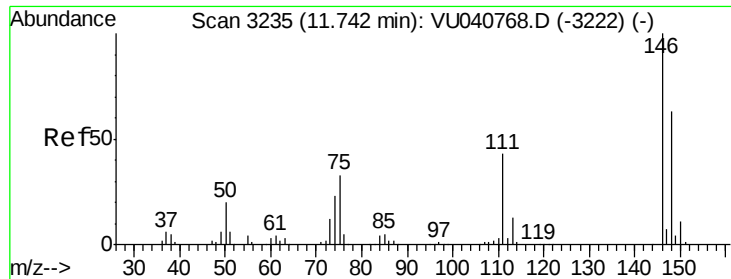
Tot Ion: 75 Resp: 45600
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.4 39.6



#61
 Bromoform
 Concen: 5.575 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Tgt Ion: 173 Resp: 31385
 Ion Ratio Lower Upper
 173 100
 175 50.2 37.4 56.0
 254 8.4 7.4 11.2

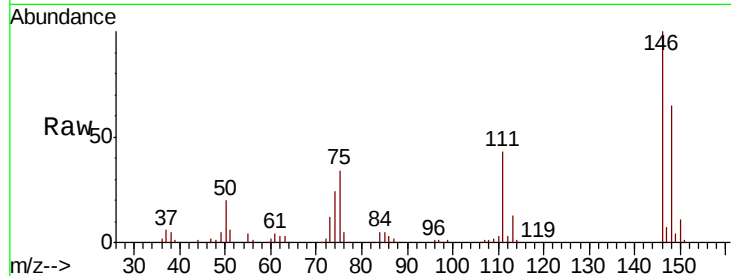




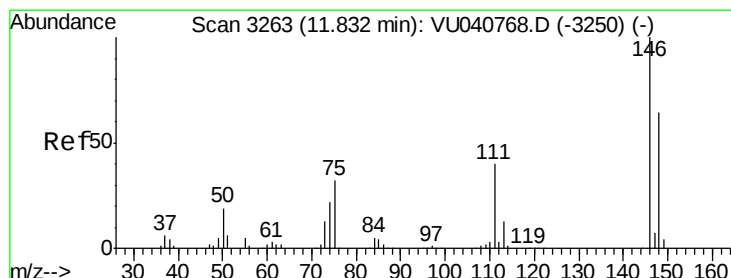
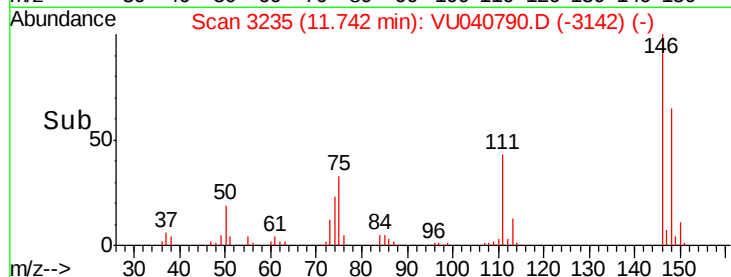
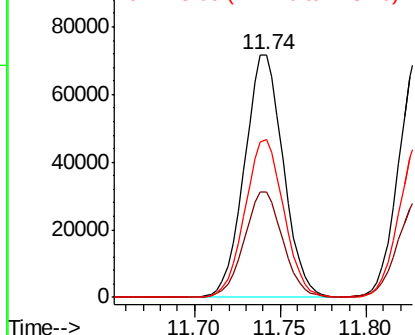
#62
 1,3-Dichlorobenzene
 Concen: 5.234 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion:146 Resp: 112513
 Ion Ratio Lower Upper
 146 100
 111 43.3 28.8 53.6
 148 64.9 44.4 82.4

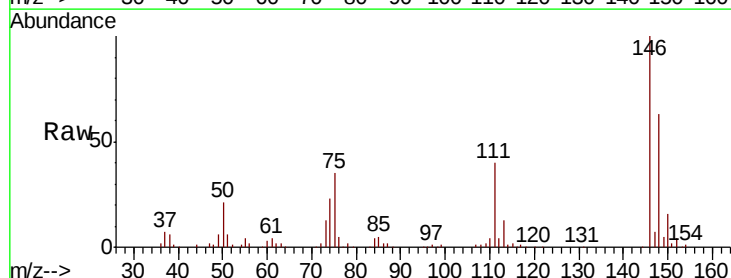


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

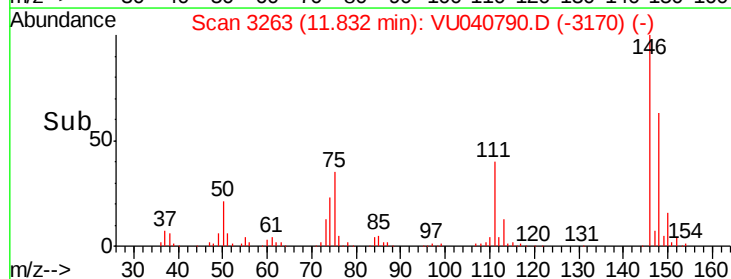
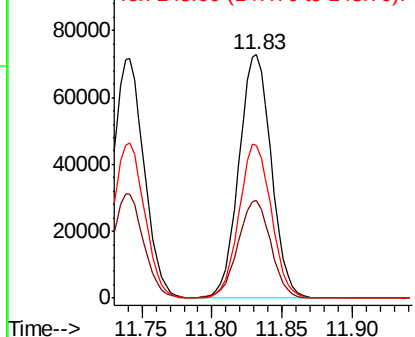


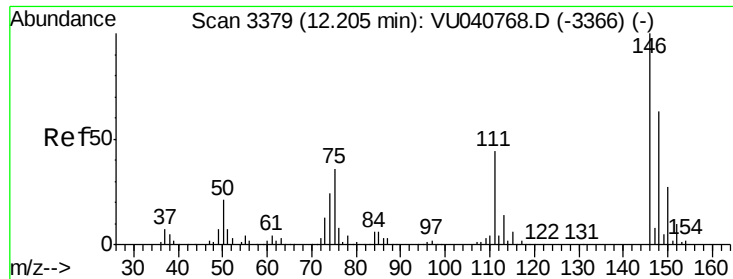
#63
 1,4-Dichlorobenzene
 Concen: 5.288 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Tgt Ion:146 Resp: 117197
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.4 52.8
 148 62.9 44.0 81.6



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: 5.386 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

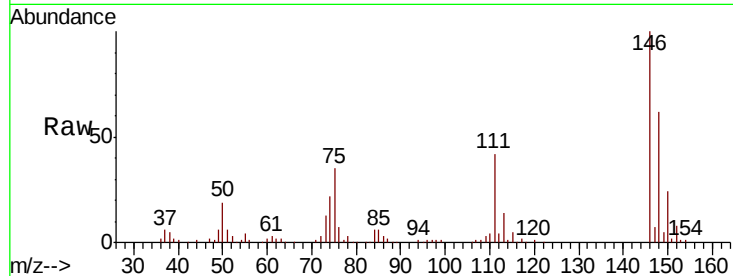
Tot Ion:146 Resp: 113183

Ion Ratio Lower Upper

146 100

111 42.1 34.4 51.6

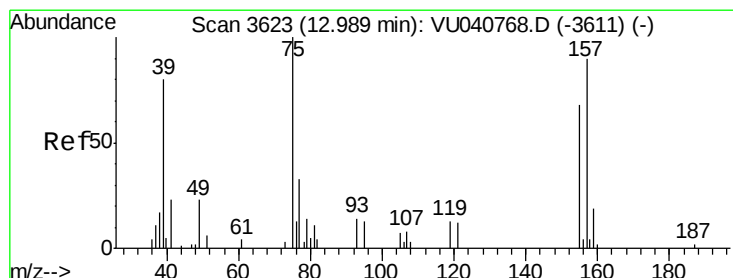
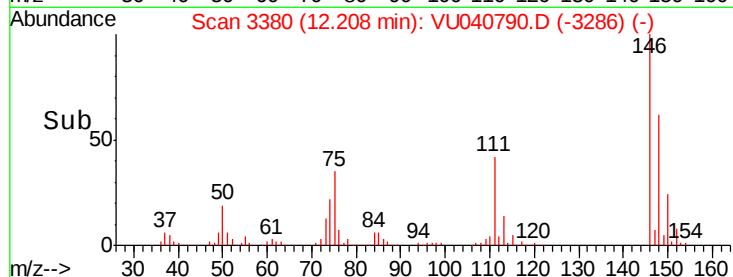
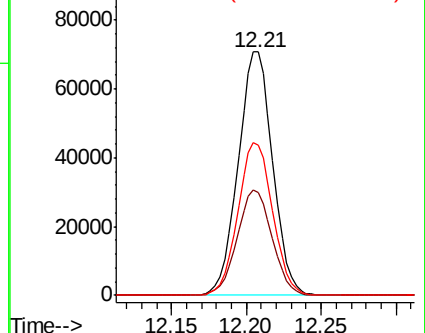
148 61.8 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.239 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

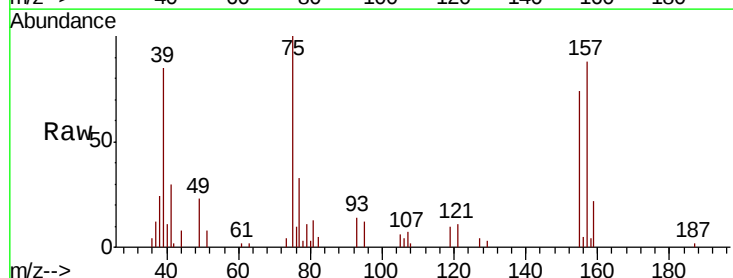
Tgt Ion: 75 Resp: 9640

Ion Ratio Lower Upper

75 100

155 73.7 53.8 80.6

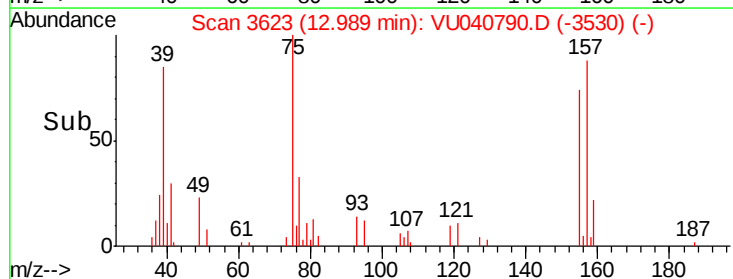
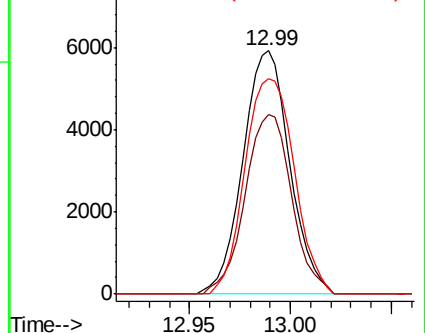
157 88.4 74.6 112.0

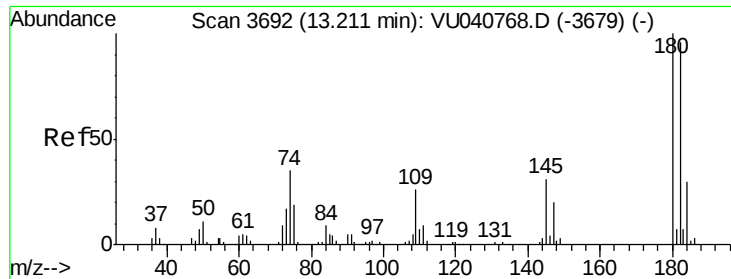


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

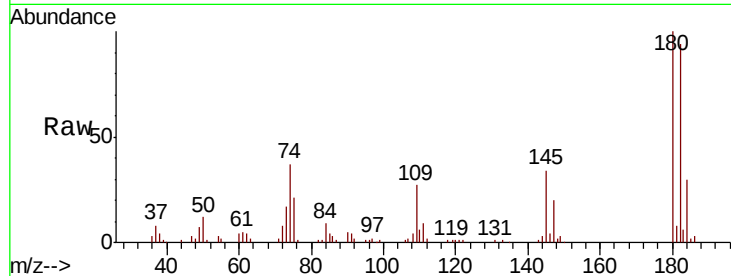




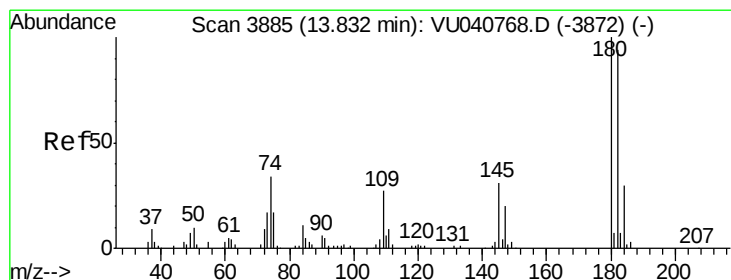
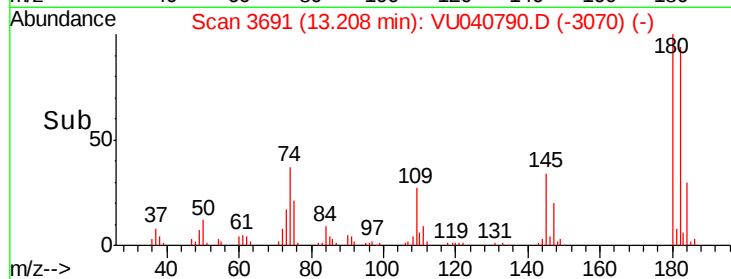
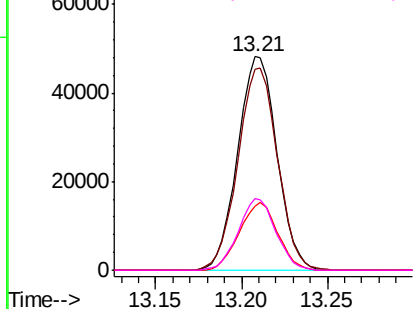
#67
 1,3,5-Trichlorobenzene
 Concen: 5.005 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tot Ion:180 Resp: 76330
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.4
 184 30.9 24.5 36.7
 145 32.0 25.9 38.9

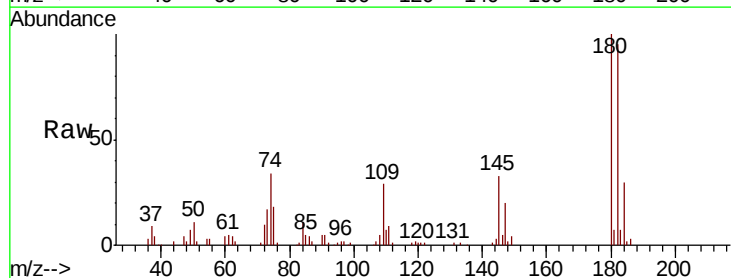


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

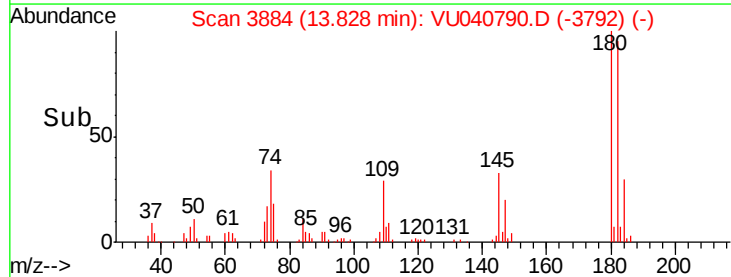
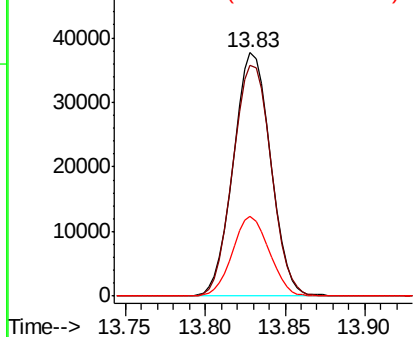


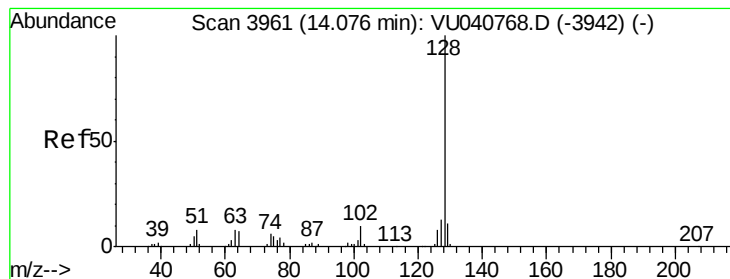
#68
 1,2,4-trichlorobenzene
 Concen: 5.079 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040790.D
 Acq: 18 Oct 2020 03:00

Tgt Ion:180 Resp: 59853
 Ion Ratio Lower Upper
 180 100
 182 97.2 78.8 118.2
 145 32.2 26.1 39.1



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: 4.890 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

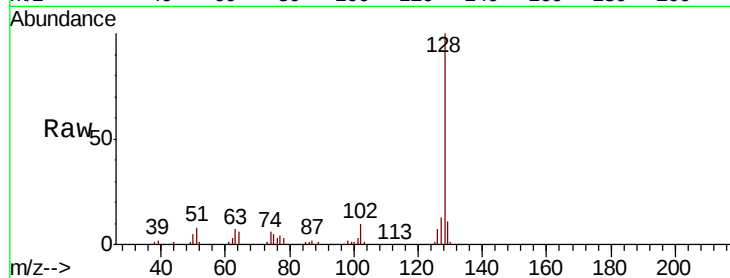
Tot Ion:128 Resp: 94253

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.4

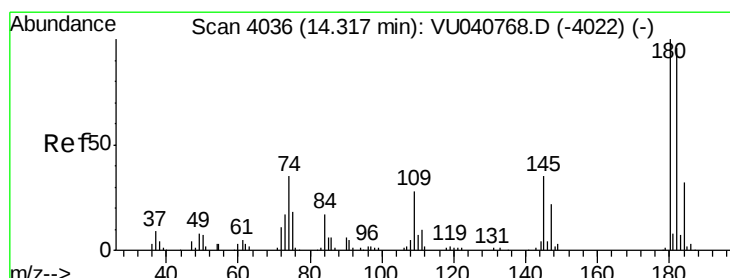
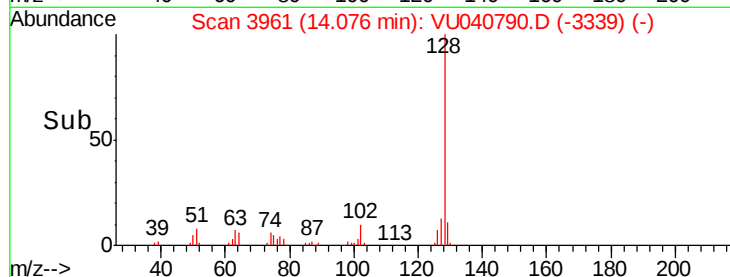
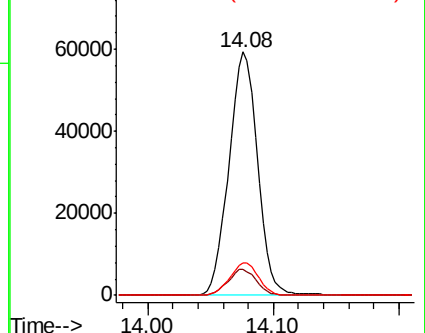
127 13.3 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.402 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040790.D

Acq: 18 Oct 2020 03:00

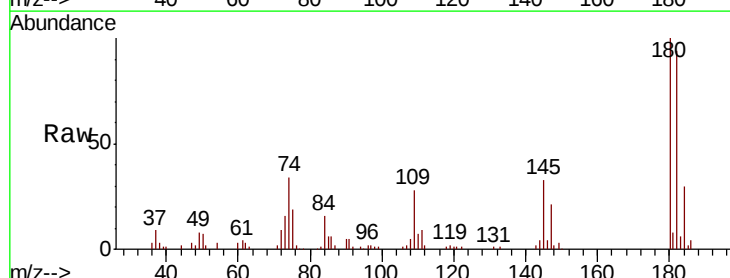
Tgt Ion:180 Resp: 59112

Ion Ratio Lower Upper

180 100

182 93.2 75.8 113.8

145 33.3 27.4 41.2



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

