

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121020\
 Data File : VU041571.D
 Acq On : 11 Dec 2020 06:08
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Quant Time: Dec 11 07:37:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 11 07:33:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	36579	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	34976	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21148	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	10036	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.92	69	9198	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.60%
11) 1,1-Dichloroethene-d2	2.58	63	26032	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.40%
20) 2-Butanone-d5	4.66	46	26821	38.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.14%
24) Chloroform-d	5.08	84	27263	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.72	65	18461	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.74	84	39165	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.70	67	12289	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.91	98	41152	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
43) trans-1,3-Dichloropropene-	8.19	79	6550	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	19916	35.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	10277	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	18723	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	17834	5.507	ug/L	99
3) Chloromethane	1.53	50	9247	4.417	ug/L	95
5) Vinyl chloride	1.61	62	12032	4.821	ug/L	93
6) Bromomethane	1.87	94	10268	5.951	ug/L	93
8) Chloroethane	1.94	64	8054	4.961	ug/L	94
9) Trichlorofluoromethane	2.15	101	34864	6.270	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	13684	5.491	ug/L	95
12) 1,1-Dichloroethene	2.59	96	11744	5.484	ug/L	100
13) Acetone	2.67	43	21666	39.501	ug/L	96
14) Carbon disulfide	2.81	76	28631	4.338	ug/L	96
15) Methyl Acetate	2.97	43	3855	3.841	ug/L	94
16) Methylene chloride	3.06	84	11327	3.963	ug/L	93
17) Methyl tert-butyl Ether	3.38	73	31560	4.857	ug/L	96
18) trans-1,2-Dichloroethene	3.37	96	11058	5.113	ug/L	88
19) 1,1-Dichloroethane	3.89	63	19735	4.939	ug/L	99
21) 2-Butanone	4.74	43	28217	41.114	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	11920	4.970	ug/L	93

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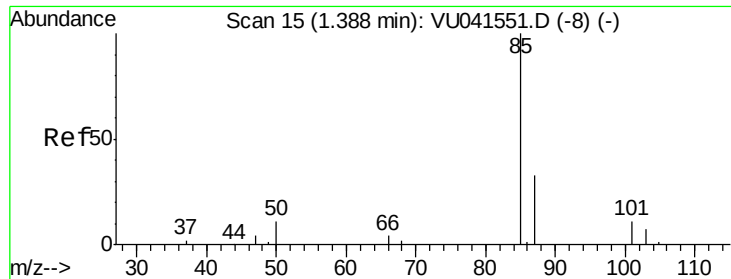
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	6514	5.197	ug/L	89
25) Chloroform	5.11	83	26213	5.149	ug/L	94
27) 1,2-Dichloroethane	5.81	62	22298	5.605	ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	28649	5.716	ug/L	99
30) Cyclohexane	5.40	56	13248	4.204	ug/L #	84
31) Carbon tetrachloride	5.54	117	27633	5.953	ug/L	99
33) Benzene	5.79	78	42410	4.898	ug/L	100
34) Trichloroethene	6.55	95	15929	6.096	ug/L	95
35) Methylcyclohexane	6.77	83	20146	5.652	ug/L	96
37) 1,2-Dichloropropane	6.80	63	11760	5.797	ug/L	100
38) Bromodichloromethane	7.11	83	23375	6.307	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	17009	4.641	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	63722	39.204	ug/L #	96
42) Toluene	7.98	91	50631	5.196	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	18117	4.950	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	9615	4.915	ug/L	97
47) Tetrachloroethene	8.56	164	11931	5.781	ug/L	97
48) 2-Hexanone	8.69	43	51013	39.058	ug/L	97
49) Dibromochloromethane	8.82	129	14775	5.543	ug/L	96
50) 1,2-Dibromoethane	8.93	107	9569	4.849	ug/L	96
51) Chlorobenzene	9.45	112	34093	5.251	ug/L	99
52) Ethylbenzene	9.57	91	58030	5.197	ug/L	99
53) m,p-Xylene	9.69	106	21966	5.419	ug/L	95
54) o-Xylene	10.10	106	21442	5.457	ug/L	99
55) Styrene	10.11	104	38465	5.764	ug/L	95
56) Isopropylbenzene	10.48	105	60679	5.470	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	10516	4.376	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	9380	4.765	ug/L	100
61) Bromoform	10.29	173	9577	5.390	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	31937	5.359	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	31860	5.214	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	30756	5.212	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	2589	4.479	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	24711	5.189	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	19865	5.211	ug/L	100
69) Naphthalene	14.08	128	27024	4.512	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	17523	5.194	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.507 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

Instrument :

MSVOA_U

ClientSampleId :

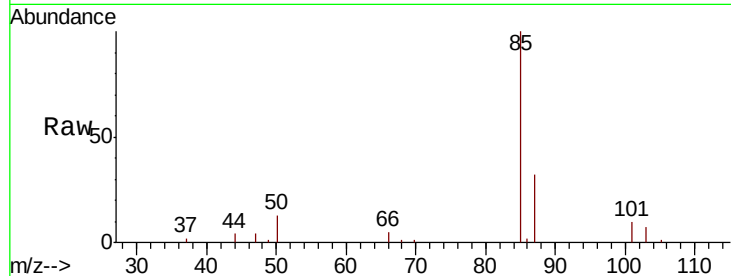
VSTD00511

Tot Ion: 85 Resp: 17834

Ion Ratio Lower Upper

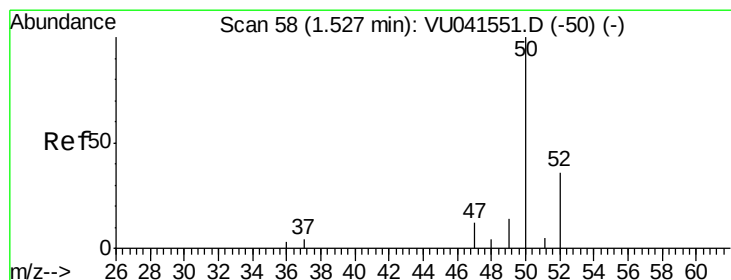
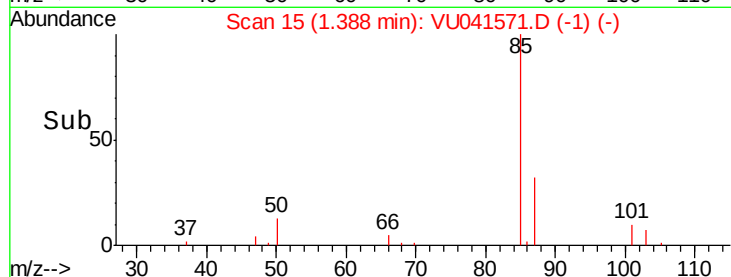
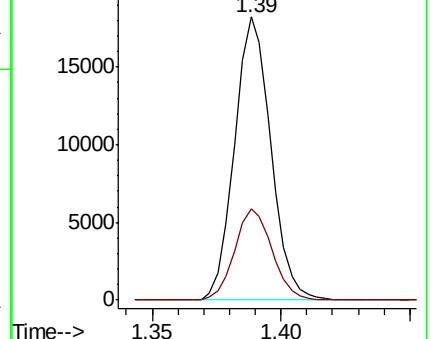
85 100

87 32.9 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.417 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041571.D

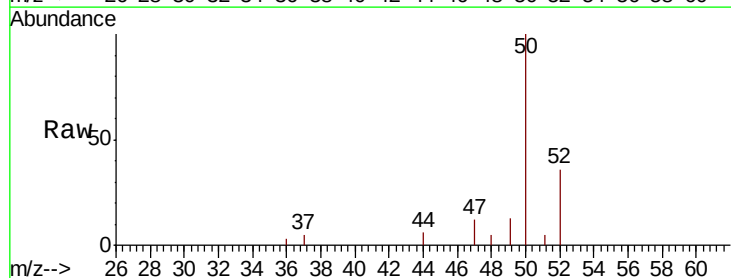
Acq: 11 Dec 2020 06:08

Tgt Ion: 50 Resp: 9247

Ion Ratio Lower Upper

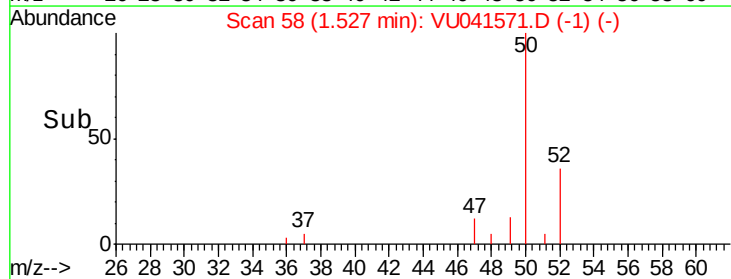
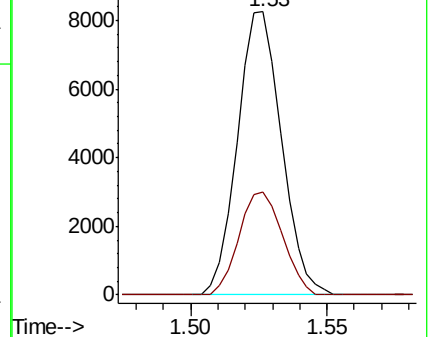
50 100

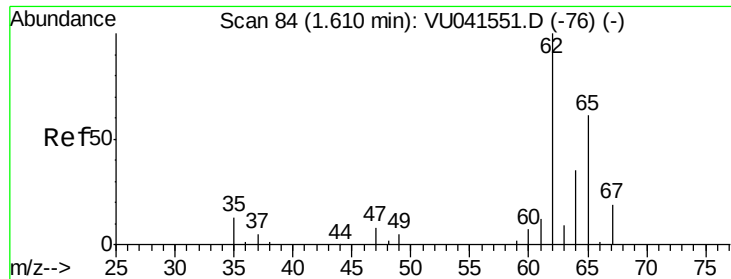
52 36.2 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.821 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

Instrument :

MSVOA_U

ClientSampleId :

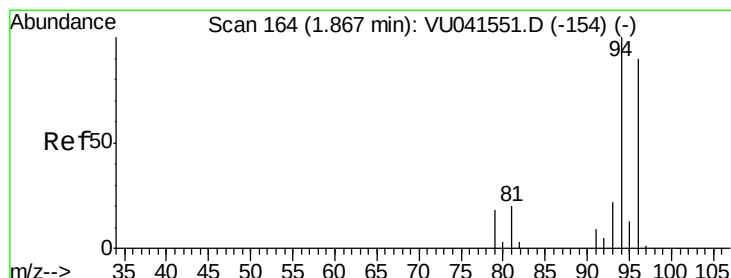
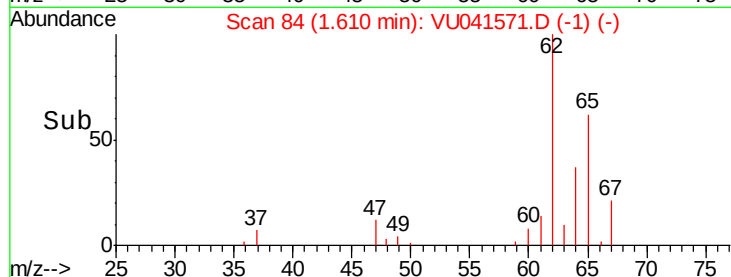
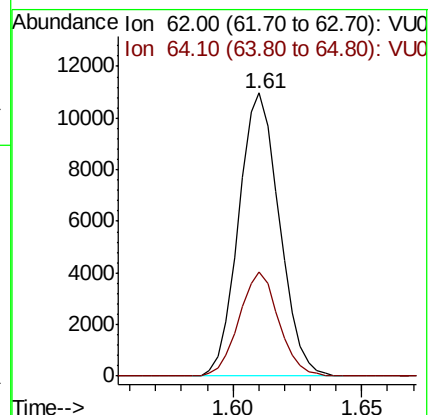
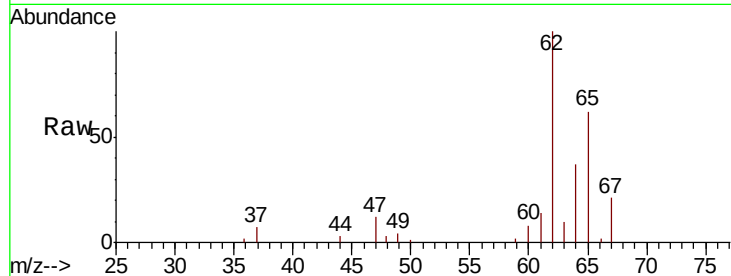
VSTD00511

Tot Ion: 62 Resp: 12032

Ion Ratio Lower Upper

62 100

64 36.7 23.0 42.8



#6

Bromomethane

Concen: 5.951 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041571.D

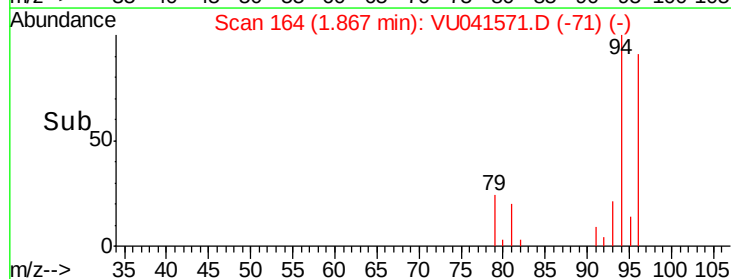
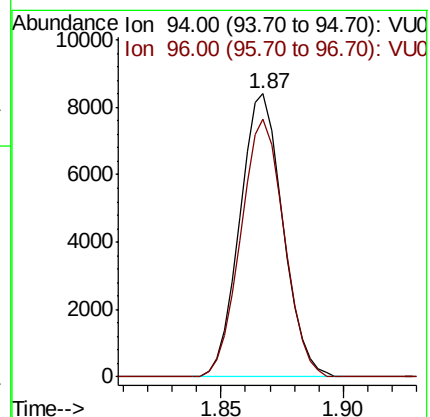
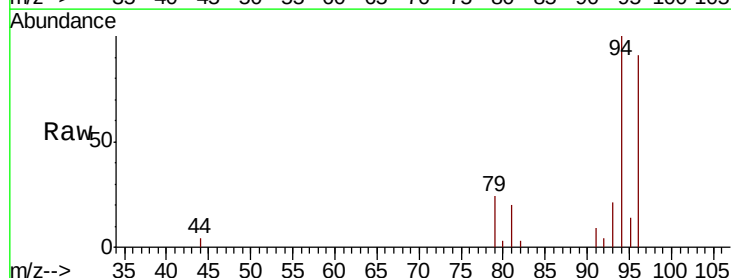
Acq: 11 Dec 2020 06:08

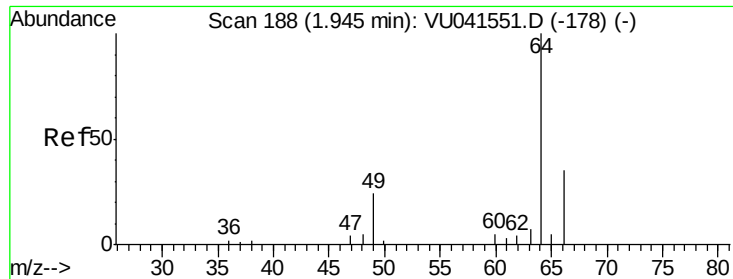
Tgt Ion: 94 Resp: 10268

Ion Ratio Lower Upper

94 100

96 90.9 68.5 127.1

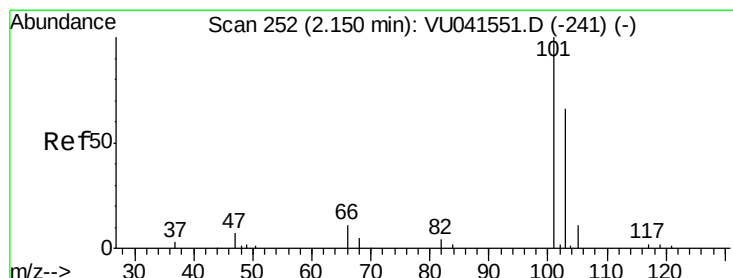
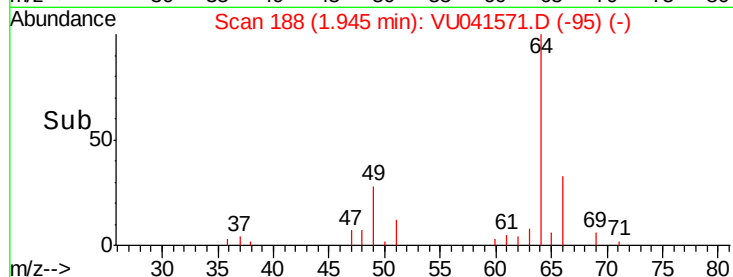
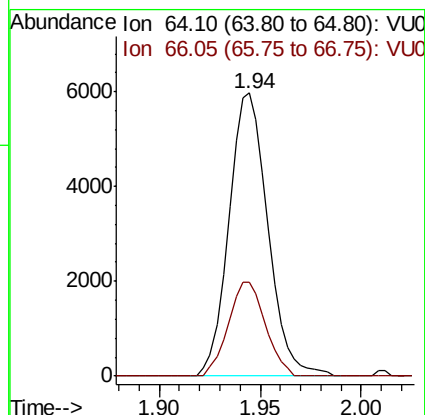
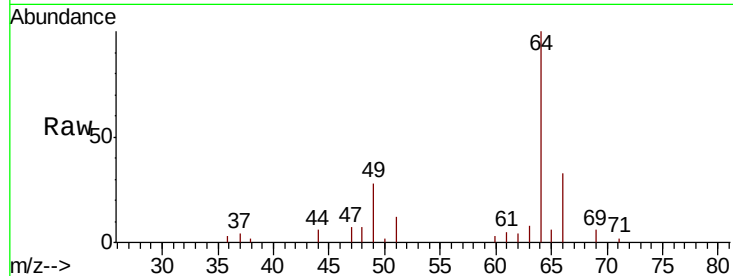




#8
 Chloroethane
 Concen: 4.961 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

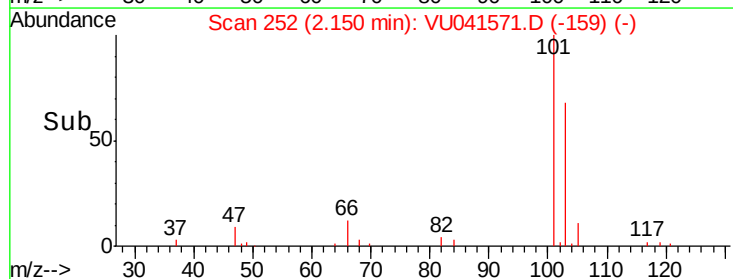
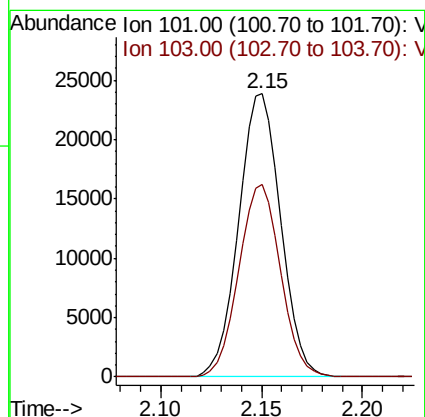
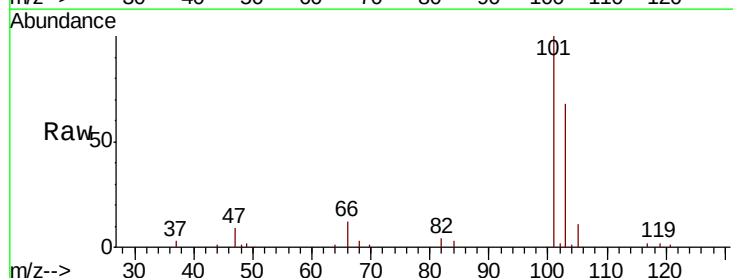
Instrument :
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 VSTD00511

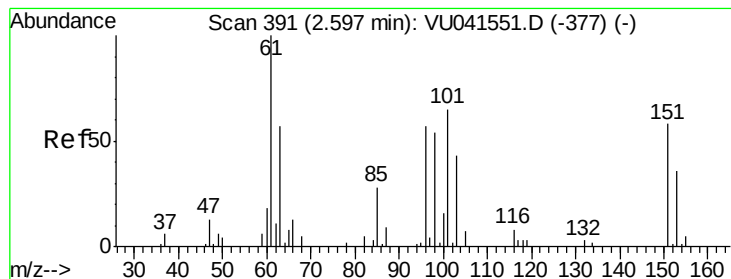
Tot Ion: 64 Resp: 8054
 Ion Ratio Lower Upper
 64 100
 66 33.4 20.9 38.9



#9
 Trichlorofluoromethane
 Concen: 6.270 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Tgt Ion: 101 Resp: 34864
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.4 77.0





#10

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

Concen: 5.491 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

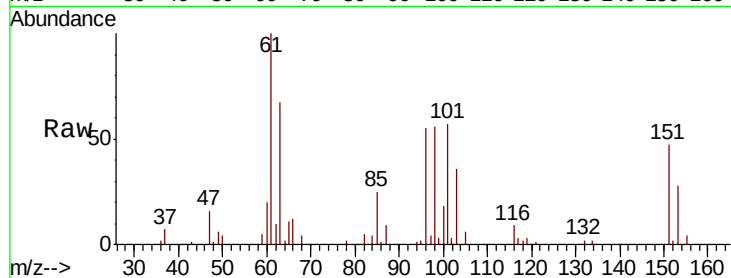
Tot Ion:101 Resp: 13684

Ion Ratio Lower Upper

101 100

85 48.3 39.4 59.2

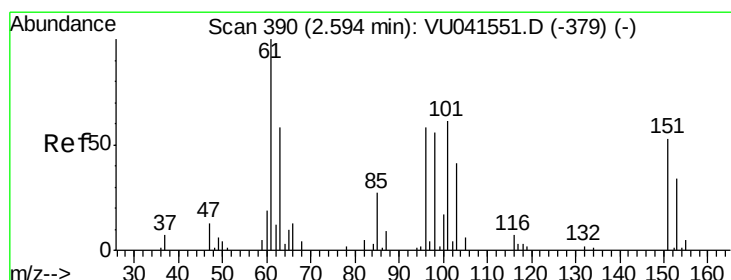
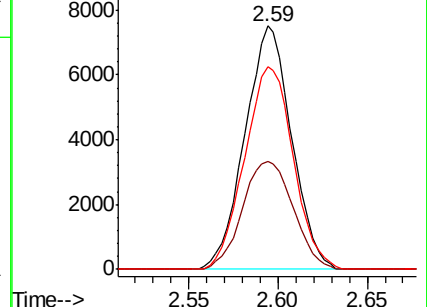
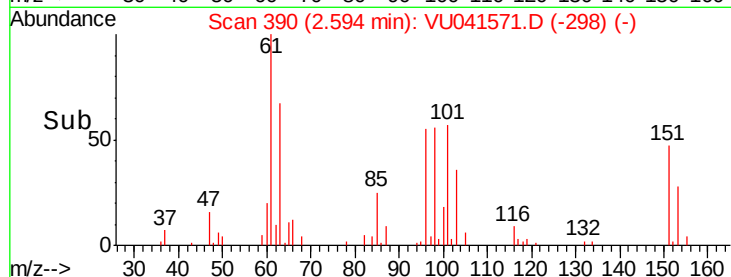
151 86.8 63.8 95.8



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: 5.484 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

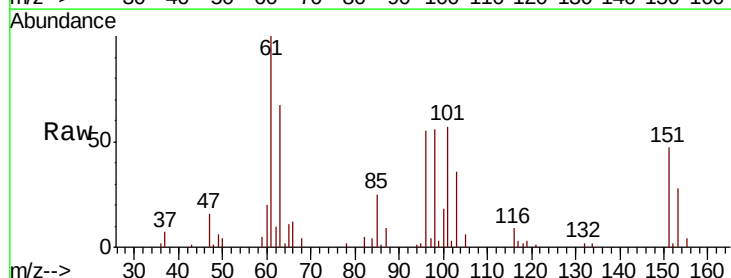
Tgt Ion: 96 Resp: 11744

Ion Ratio Lower Upper

96 100

61 183.4 127.8 237.4

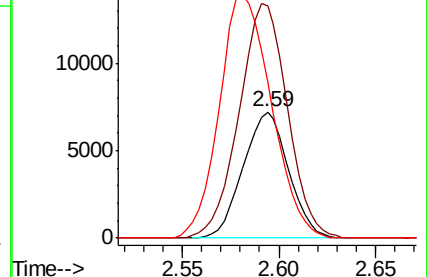
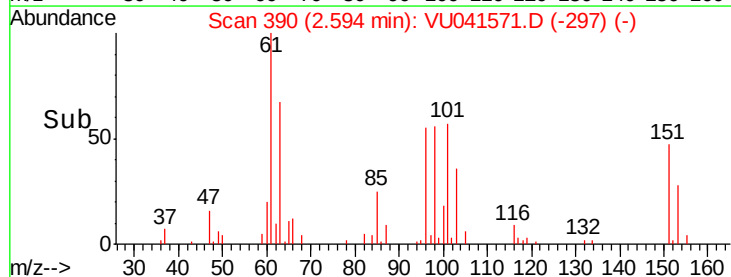
63 122.8 86.2 160.0

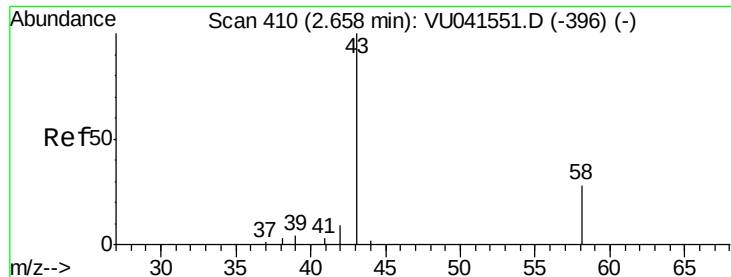


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 39.501 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

Instrument :

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ClientSampleId :

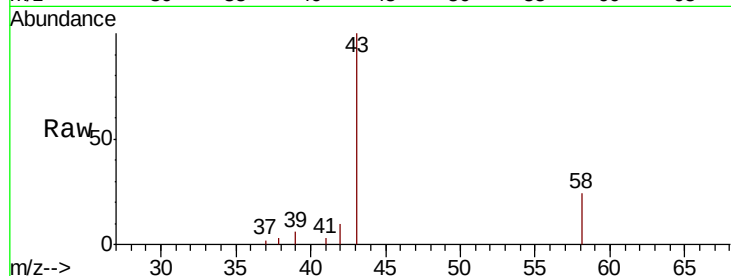
VSTD00511

Tot Ion: 43 Resp: 21666

Ion Ratio Lower Upper

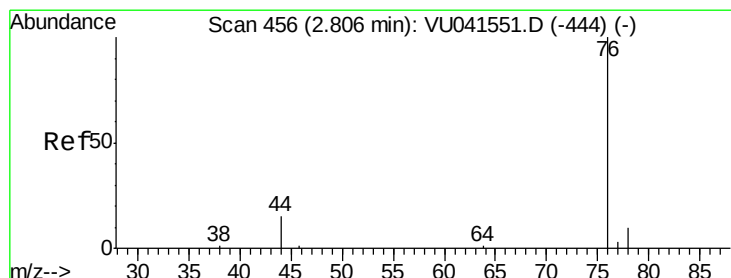
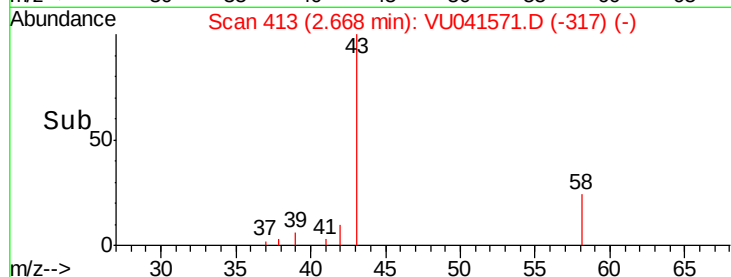
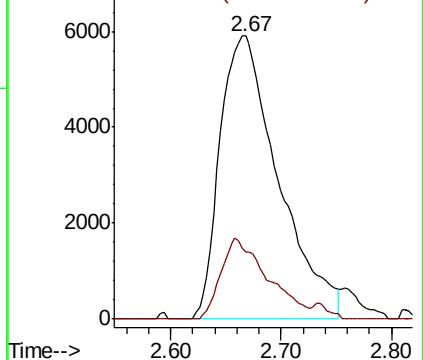
43 100

58 23.1 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.338 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041571.D

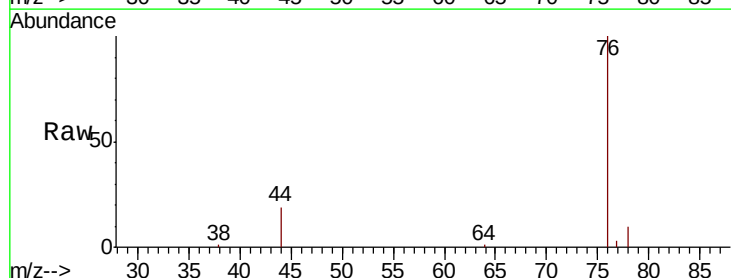
Acq: 11 Dec 2020 06:08

Tgt Ion: 76 Resp: 28631

Ion Ratio Lower Upper

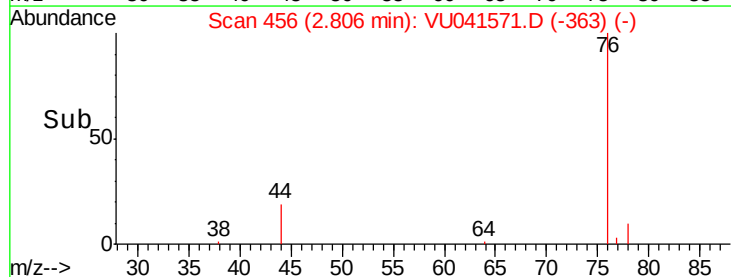
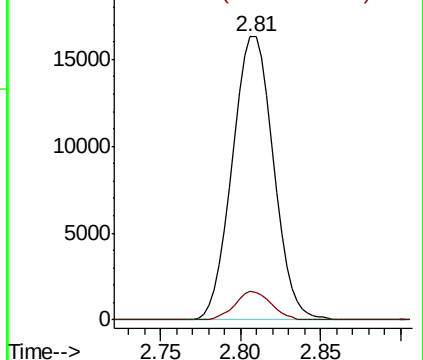
76 100

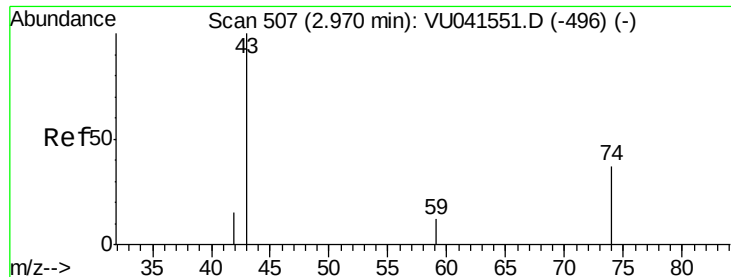
78 10.1 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

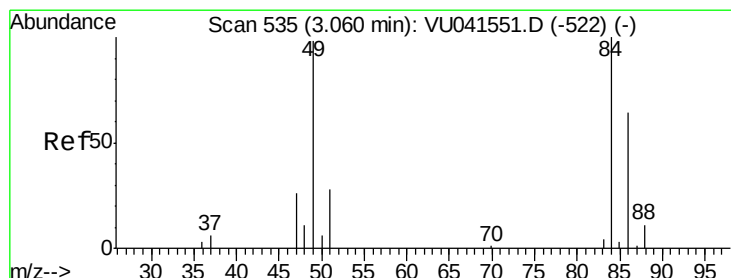
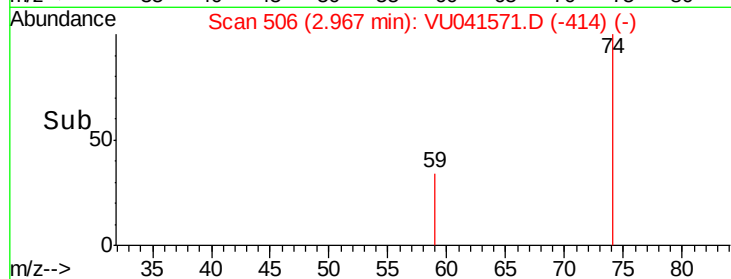
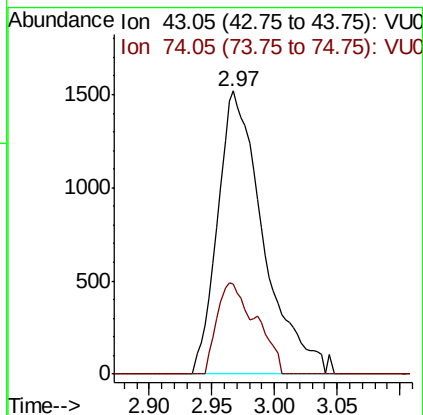
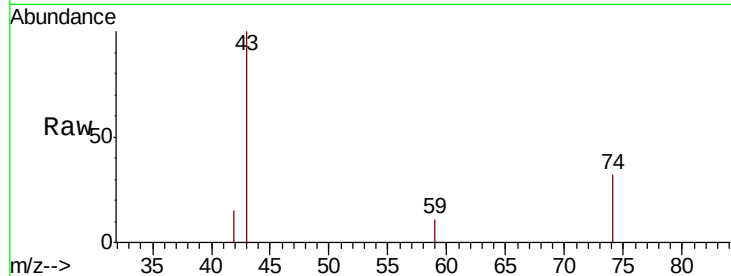




#15
Methyl Acetate
Concen: 3.841 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

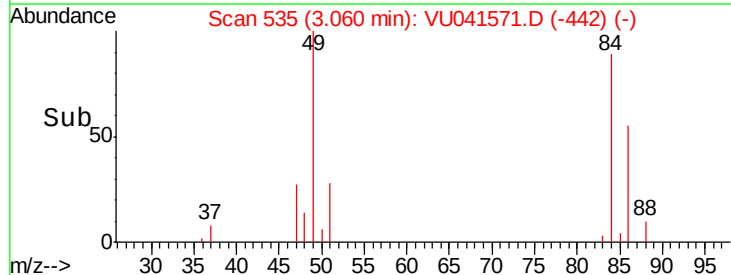
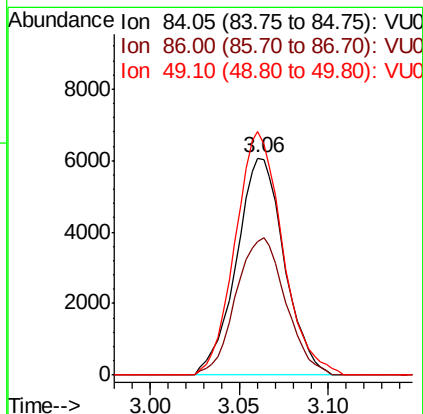
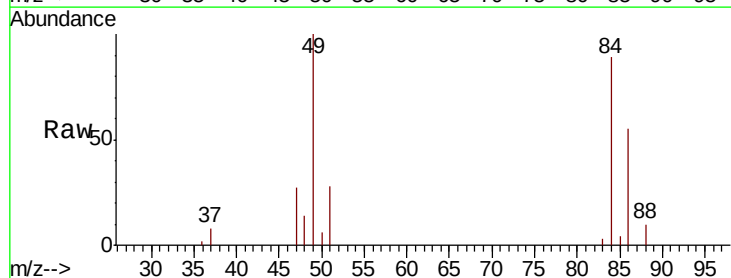
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

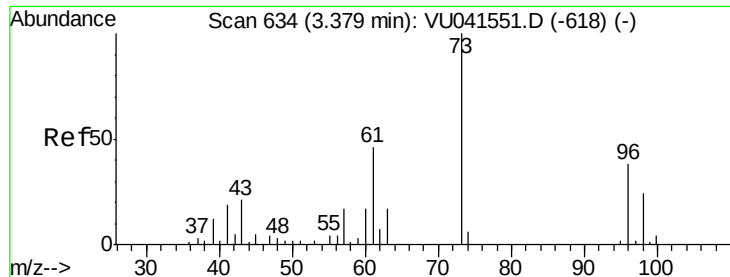
Tot Ion: 43 Resp: 3855
Ion Ratio Lower Upper
43 100
74 27.3 19.7 29.5



#16
Methylene chloride
Concen: 3.963 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Tgt Ion: 84 Resp: 11327
Ion Ratio Lower Upper
84 100
86 61.6 44.1 81.9
49 112.2 86.1 159.9

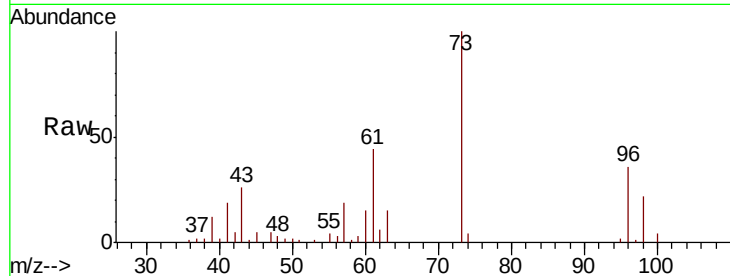




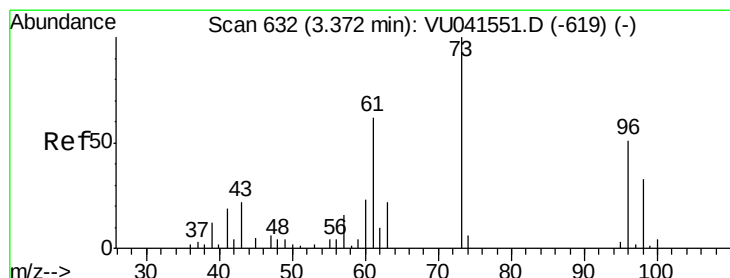
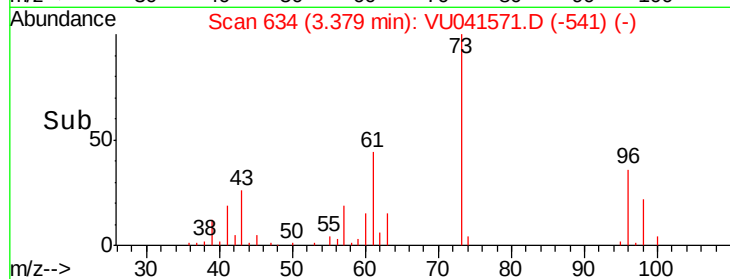
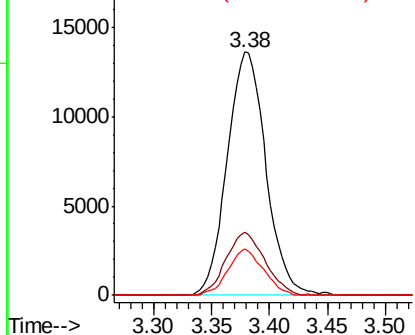
#17
Methyl tert-butyl Ether
Concen: 4.857 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion: 73 Resp: 31560
Ion Ratio Lower Upper
73 100
43 25.9 19.1 28.7
57 17.3 15.5 23.3

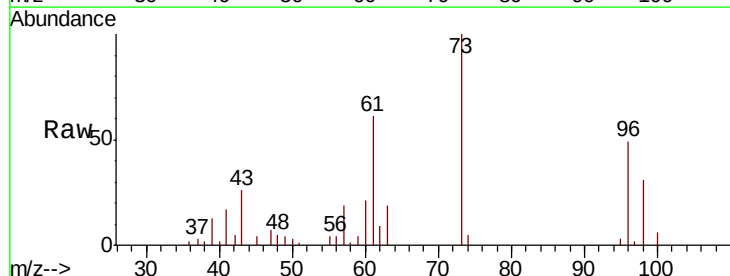


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

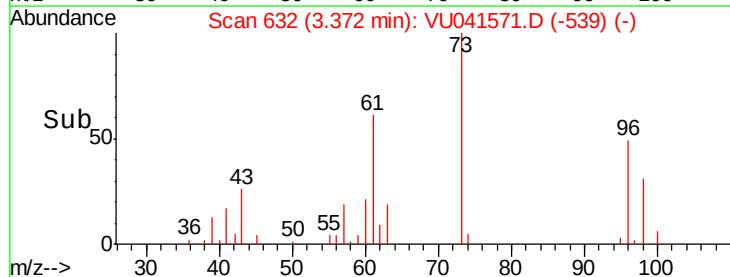
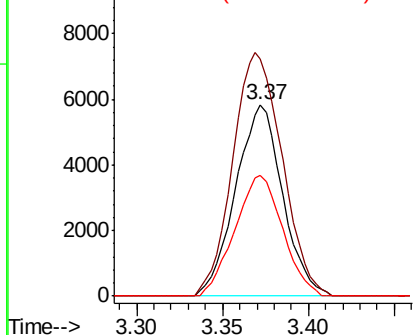


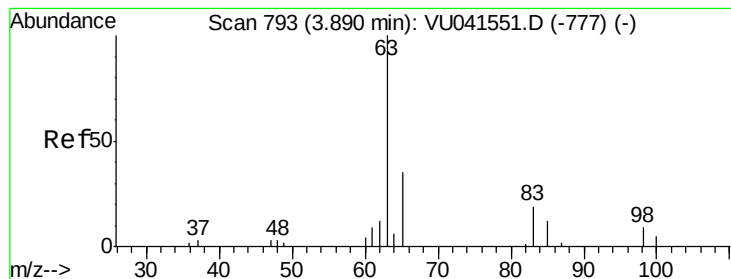
#18
trans-1,2-Dichloroethene
Concen: 5.113 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Tgt Ion: 96 Resp: 11058
Ion Ratio Lower Upper
96 100
61 123.5 98.8 183.4
98 63.2 41.7 77.5



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: 4.939 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

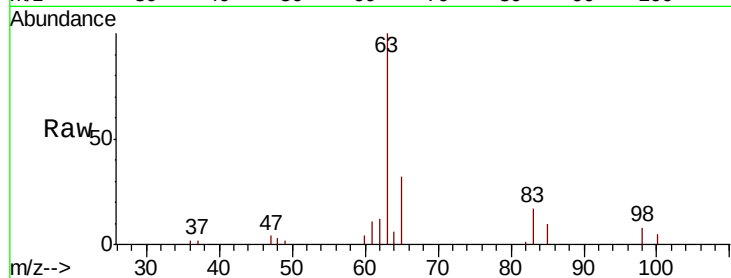
Tot Ion: 63 Resp: 19735

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

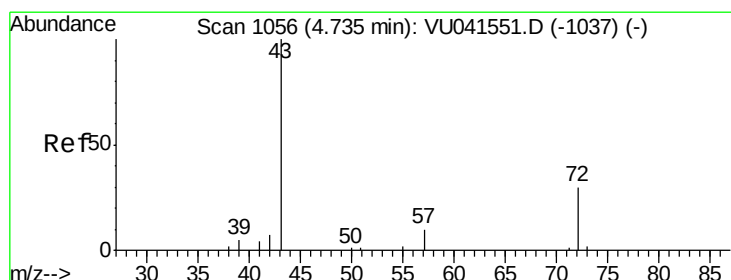
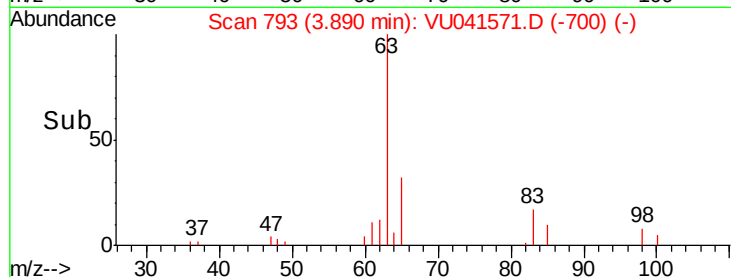
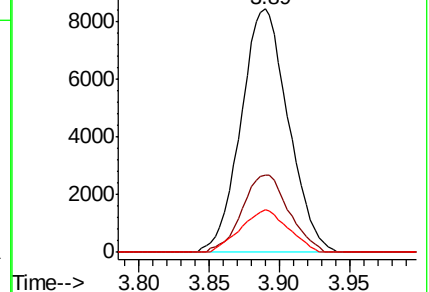
83 17.3 11.1 20.7



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: 41.114 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU041571.D

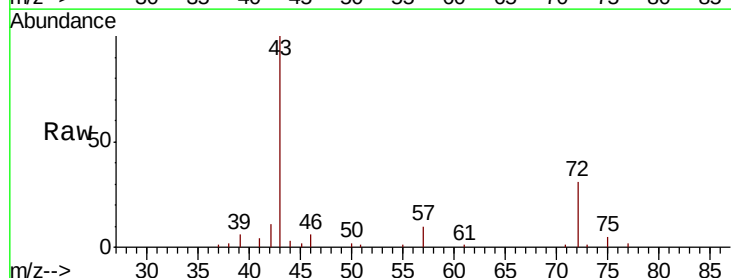
Acq: 11 Dec 2020 06:08

Tgt Ion: 43 Resp: 28217

Ion Ratio Lower Upper

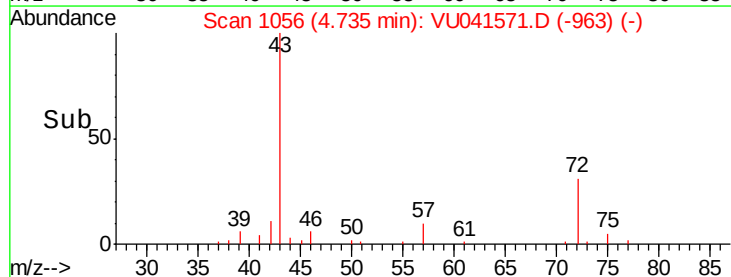
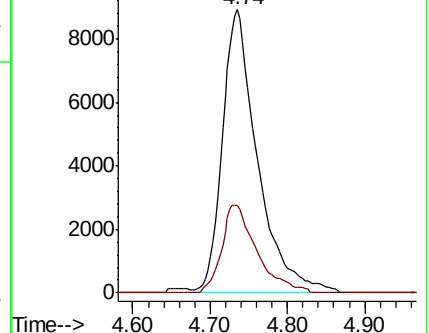
43 100

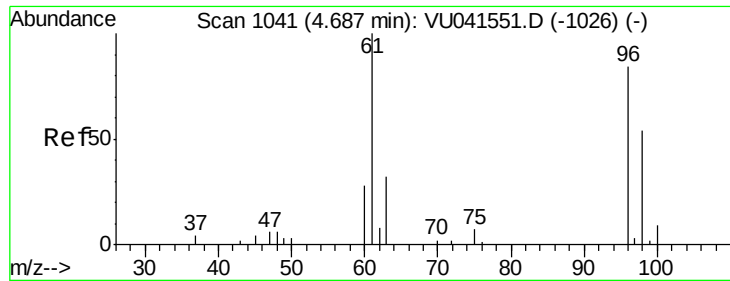
72 30.4 15.7 47.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0

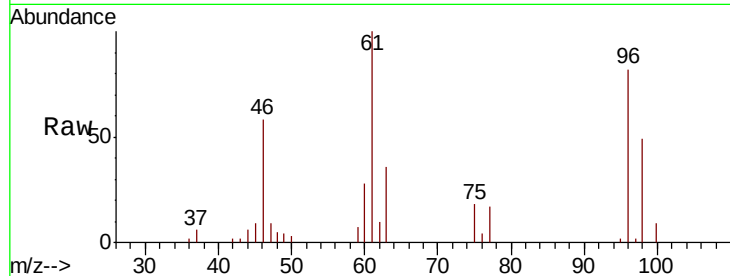




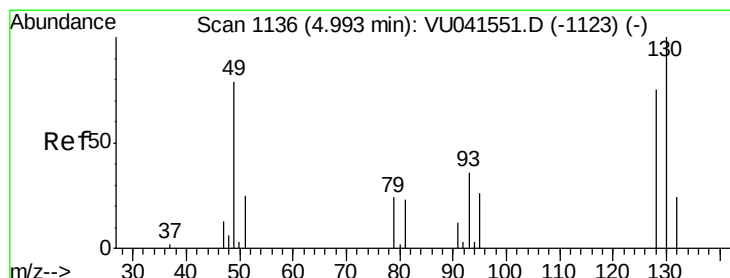
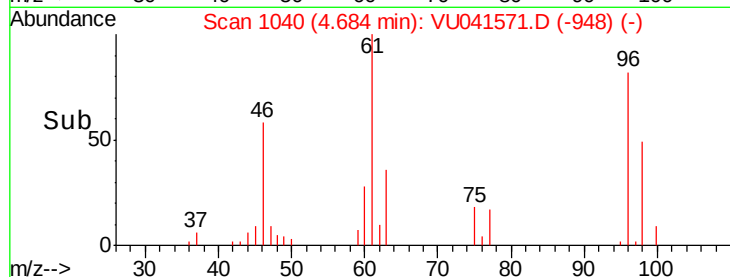
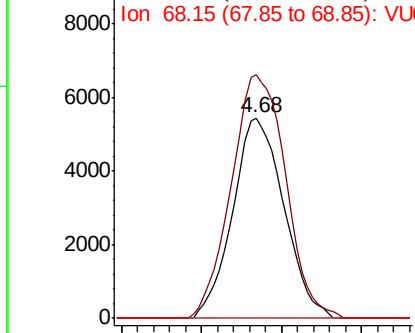
#22
 cis-1,2-Dichloroethene
 Concen: 4.970 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion: 96 Resp: 11920
 Ion Ratio Lower Upper
 96 100
 61 121.6 90.5 168.1
 68 0.0 0.0 0.0

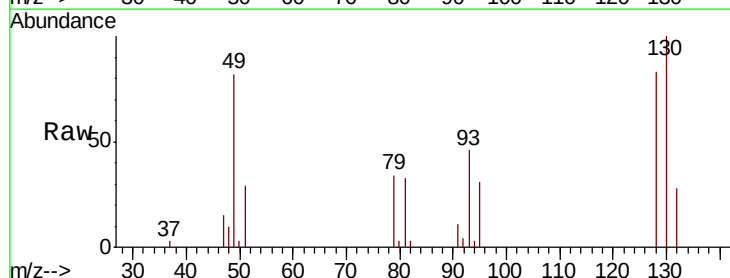


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

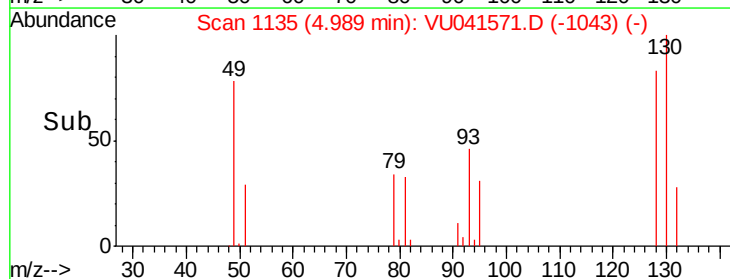
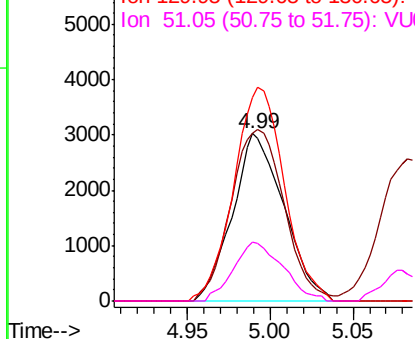


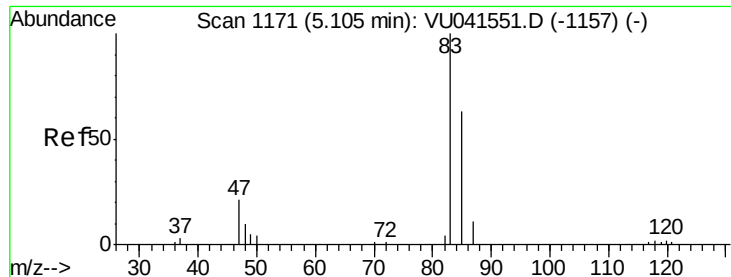
#23
 Bromochloromethane
 Concen: 5.197 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Tgt Ion: 128 Resp: 6514
 Ion Ratio Lower Upper
 128 100
 49 99.9 84.2 156.4
 130 121.1 89.9 167.0
 51 35.0 30.4 45.6



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

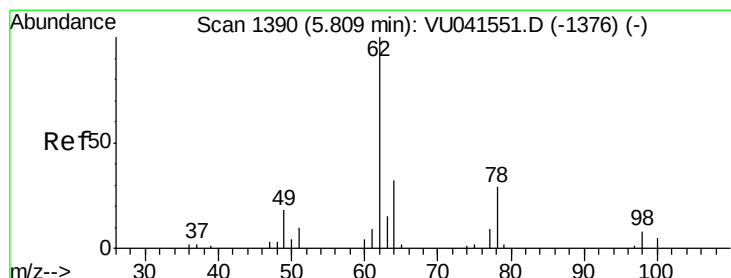
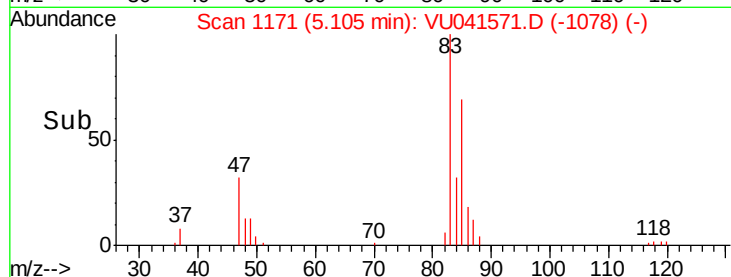
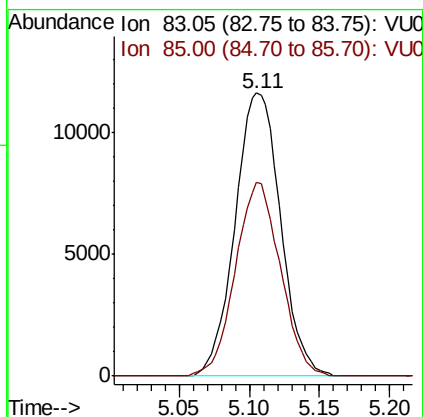
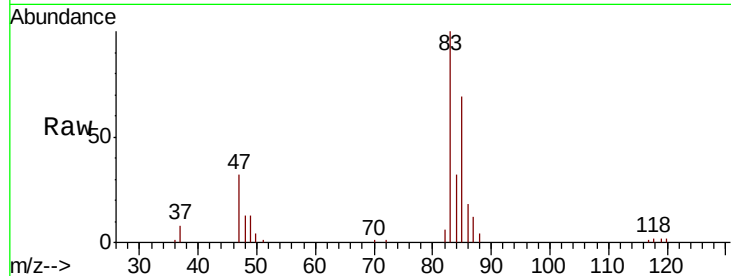




#25
Chloroform
Concen: 5.149 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

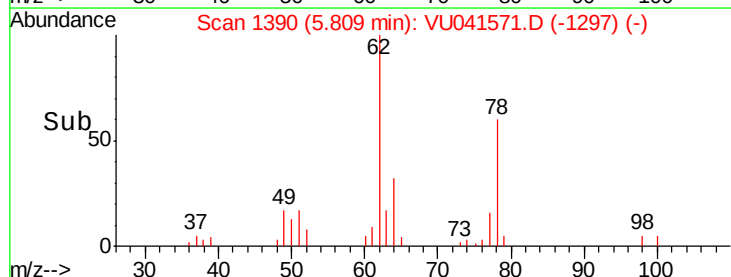
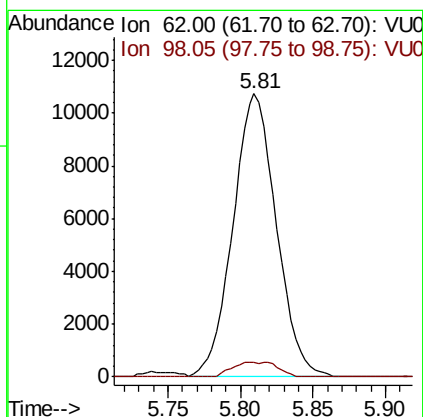
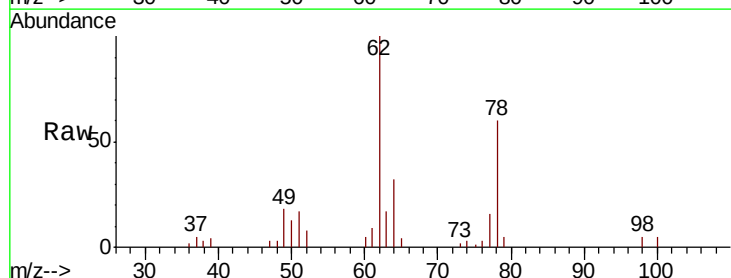
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

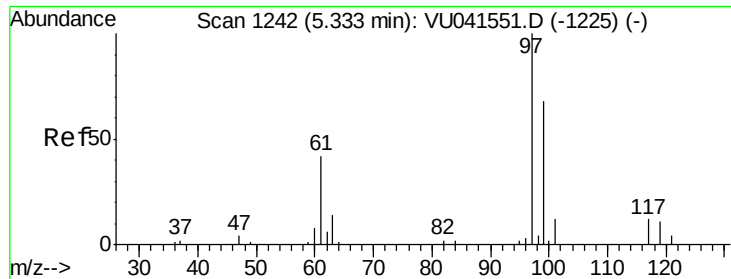
Tot Ion: 83 Resp: 26213
Ion Ratio Lower Upper
83 100
85 68.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.605 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Tgt Ion: 62 Resp: 22298
Ion Ratio Lower Upper
62 100
98 5.0 5.7 8.5#

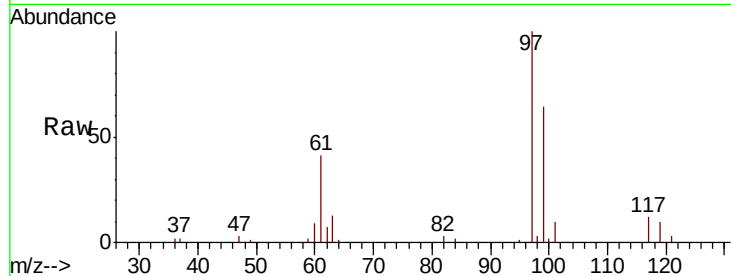




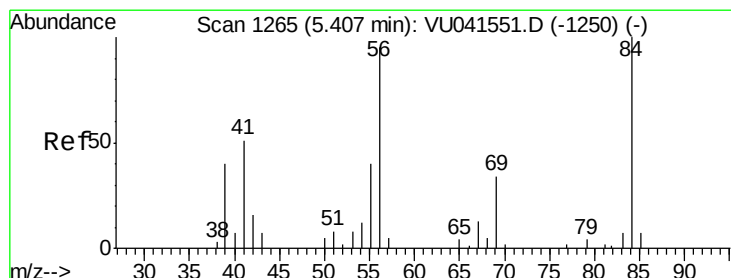
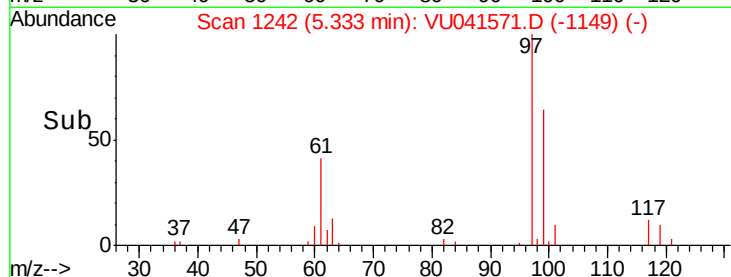
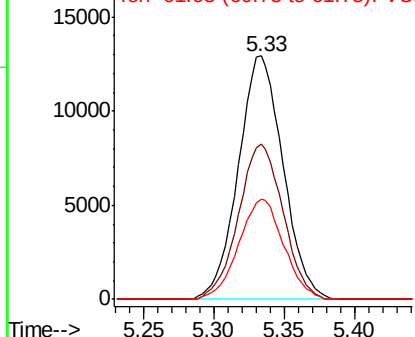
#29
1,1,1-Trichloroethane
Concen: 5.716 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion: 97 Resp: 28649
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.6
61 41.4 34.6 52.0

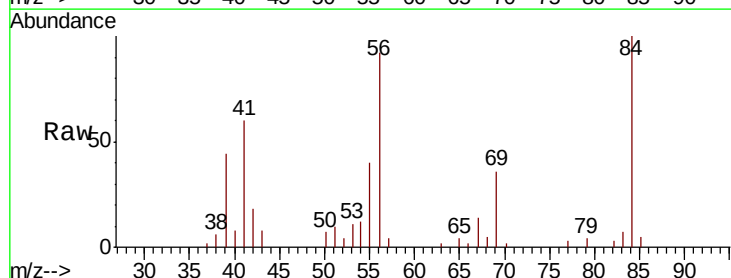


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

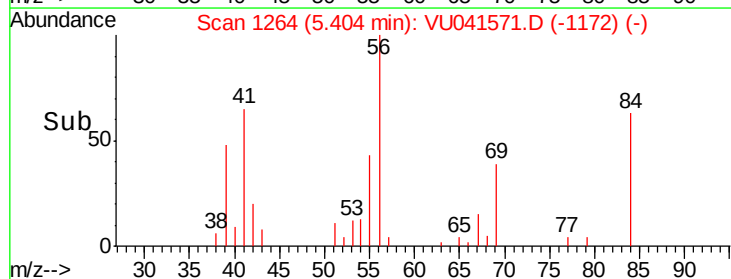
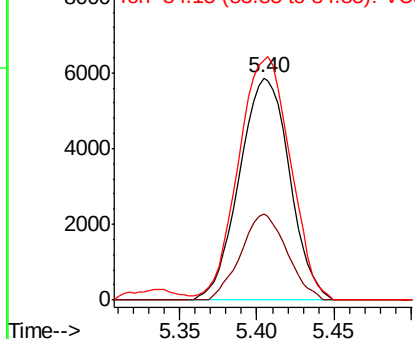


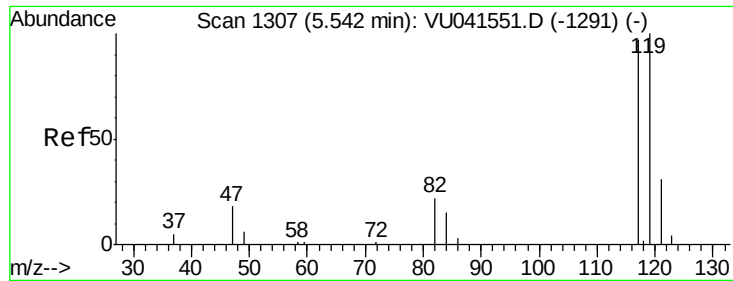
#30
Cyclohexane
Concen: 4.204 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Tgt Ion: 56 Resp: 13248
Ion Ratio Lower Upper
56 100
69 35.6 25.9 38.9
84 113.0 74.9 112.3#



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





#31

Carbon tetrachloride

Concen: 5.953 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

Instrument :

MSVOA_U

ClientSampleId :

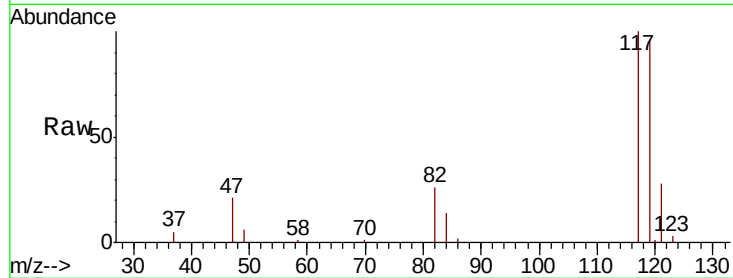
VSTD00511

Tot Ion:117 Resp: 27633

Ion Ratio Lower Upper

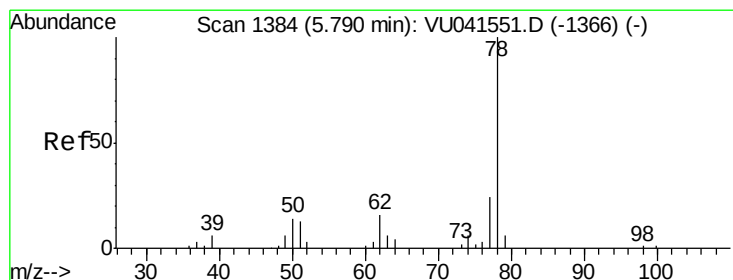
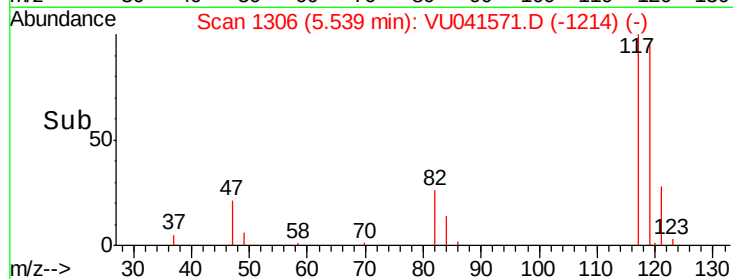
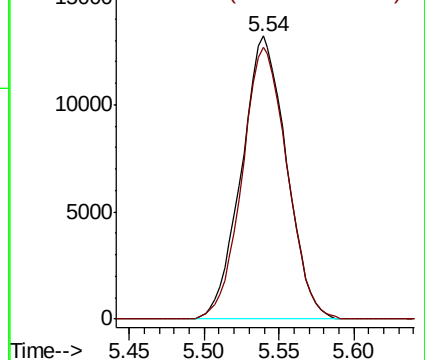
117 100

119 95.8 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.898 ug/L

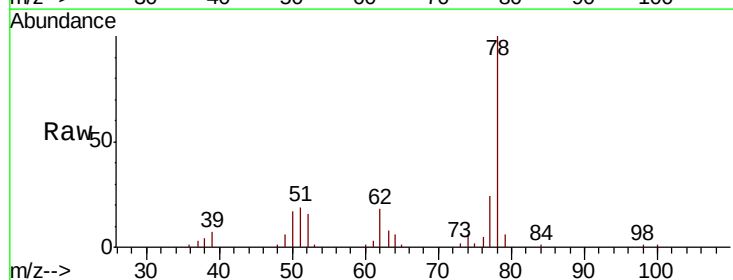
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

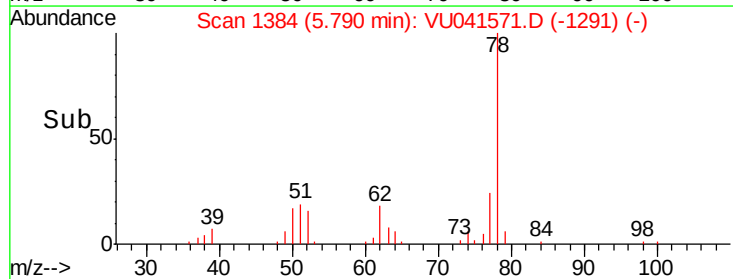
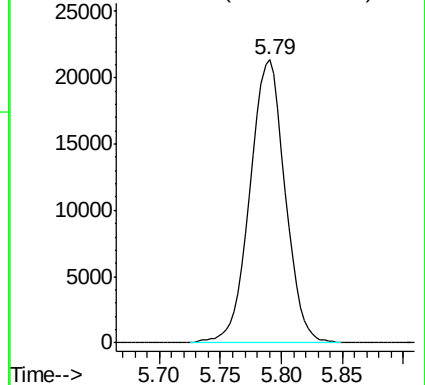
Lab File: VU041571.D

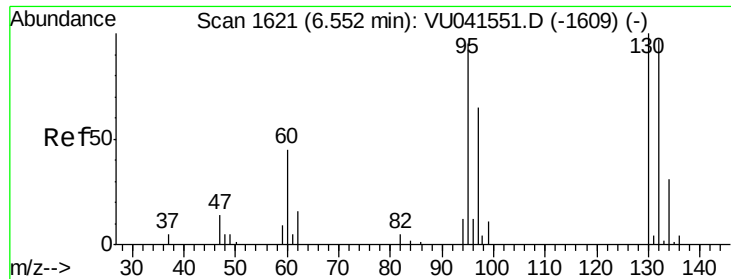
Acq: 11 Dec 2020 06:08

Tgt Ion: 78 Resp: 42410



Abundance Ion 78.10 (77.80 to 78.80): VU0

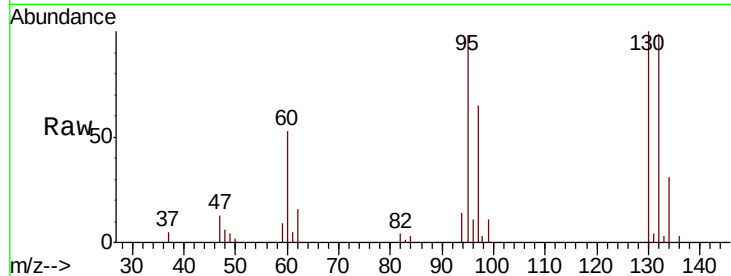




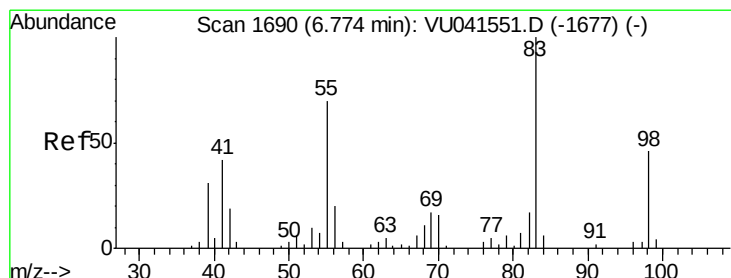
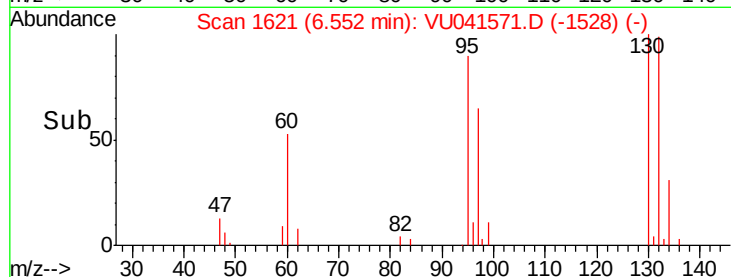
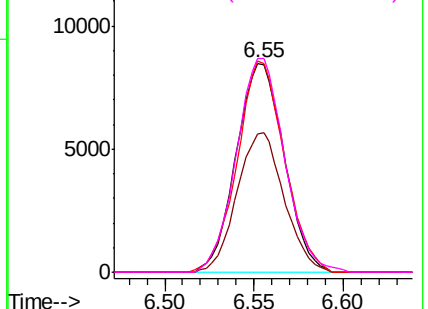
#34
 Trichloroethene
 Concen: 6.096 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion: 95 Resp: 15929
 Ion Ratio Lower Upper
 95 100
 97 66.0 44.7 83.1
 132 100.8 65.7 121.9
 130 102.2 68.8 127.8

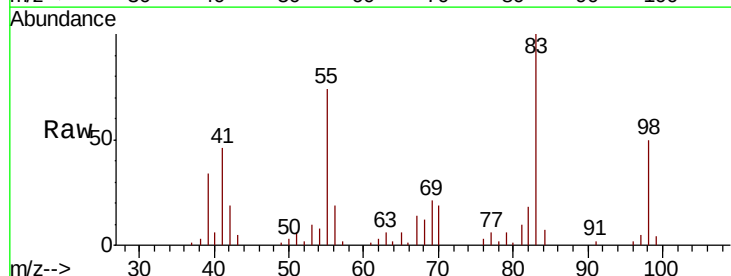


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

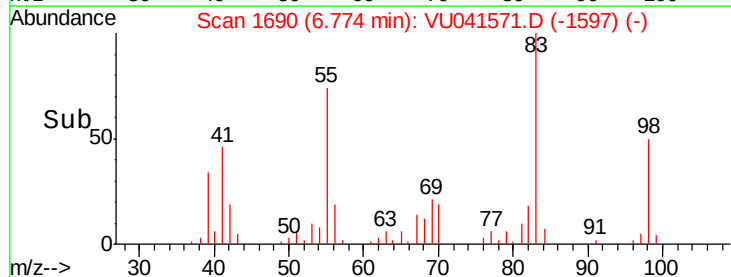
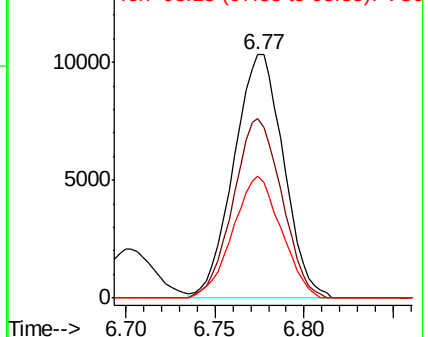


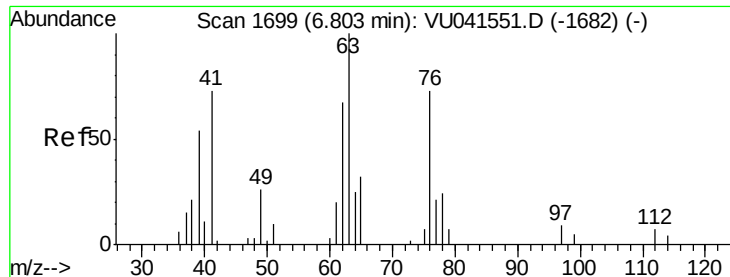
#35
 Methylcyclohexane
 Concen: 5.652 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Tgt Ion: 83 Resp: 20146
 Ion Ratio Lower Upper
 83 100
 55 71.7 62.1 93.1
 98 48.7 38.7 58.1



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

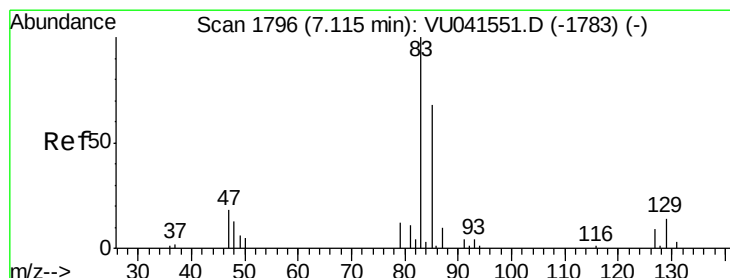
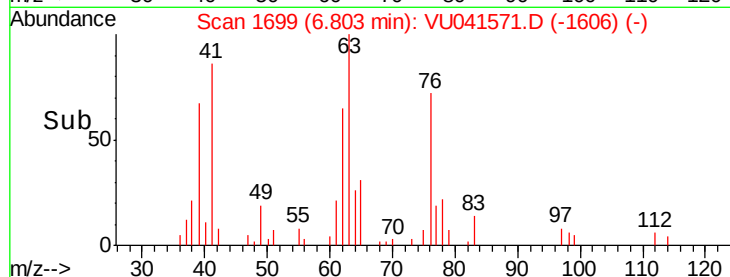
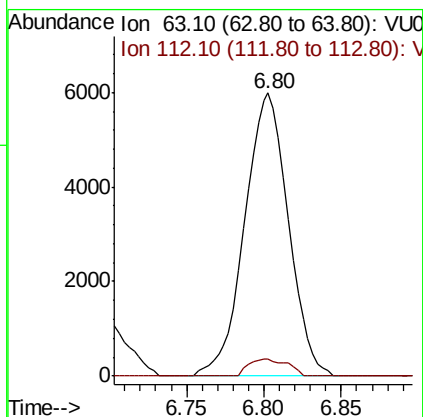
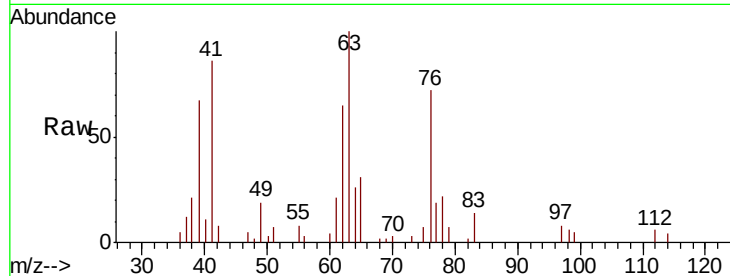




#37
 1,2-Dichloropropane
 Concen: 5.797 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

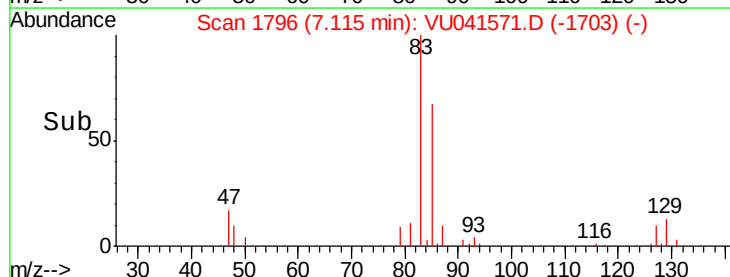
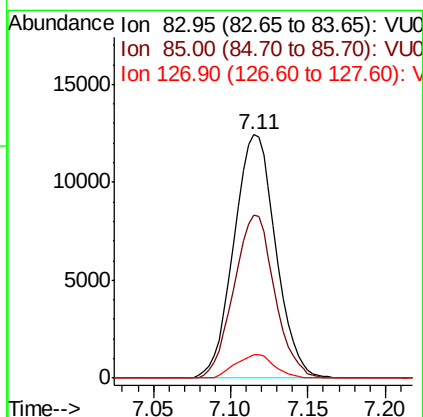
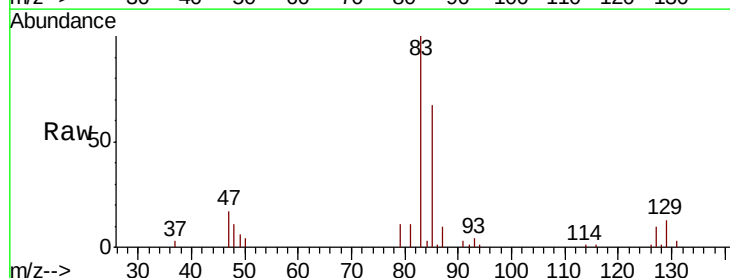
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

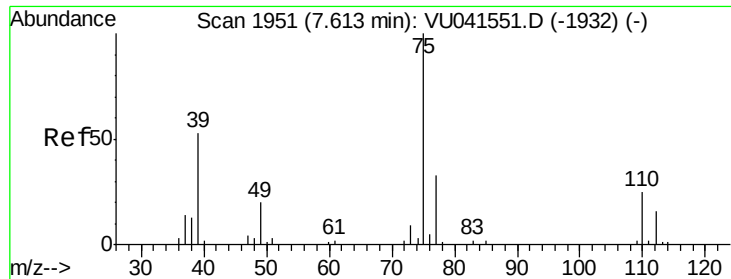
Tot Ion: 63 Resp: 11760
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.2 6.2



#38
 Bromodichloromethane
 Concen: 6.307 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Tgt Ion: 83 Resp: 23375
 Ion Ratio Lower Upper
 83 100
 85 67.1 46.7 86.7
 127 9.5 6.6 10.0

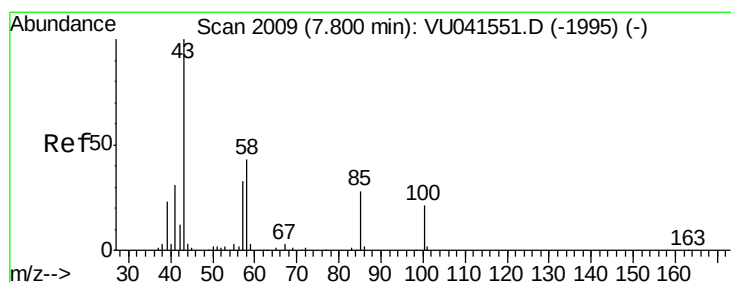
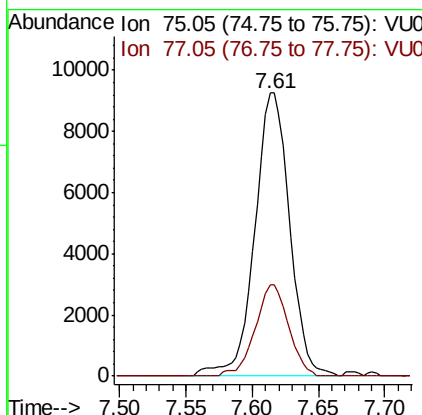
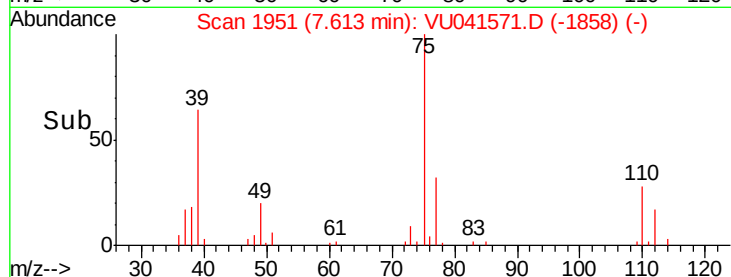
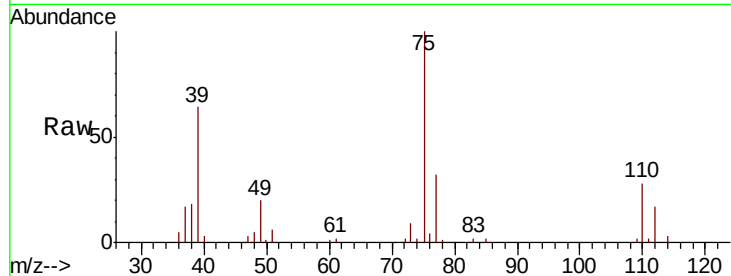




#39
 cis-1,3-Dichloropropene
 Concen: 4.641 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

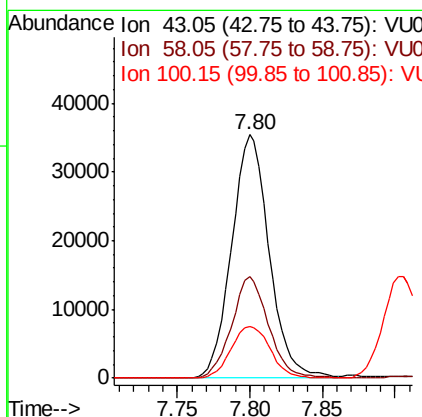
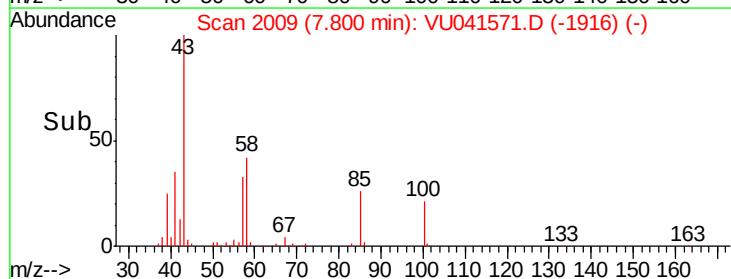
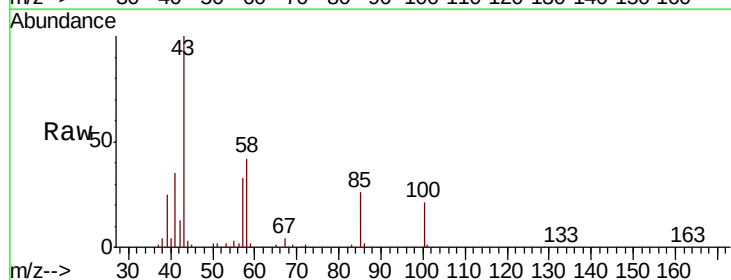
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

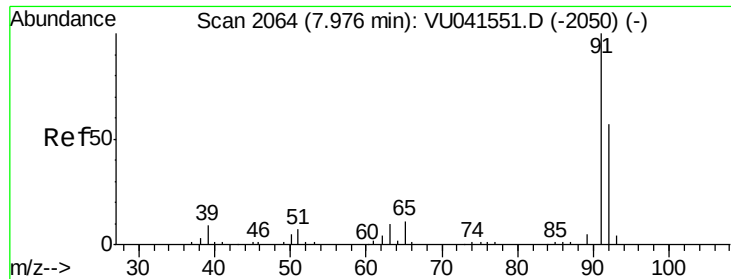
Tot Ion: 75 Resp: 17009
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.0 44.6



#40
 4-Methyl-2-pentanone
 Concen: 39.204 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Tgt Ion: 43 Resp: 63722
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.0 48.0
 100 22.1 14.2 21.2#





#42

Toluene

Concen: 5.196 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

Instrument :

MSVOA_U

ClientSampleId :

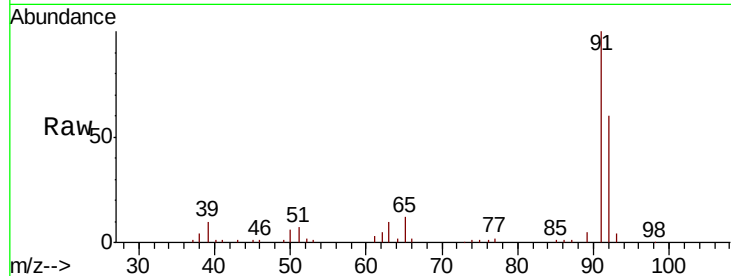
VSTD00511

Tot Ion: 91 Resp: 50631

Ion Ratio Lower Upper

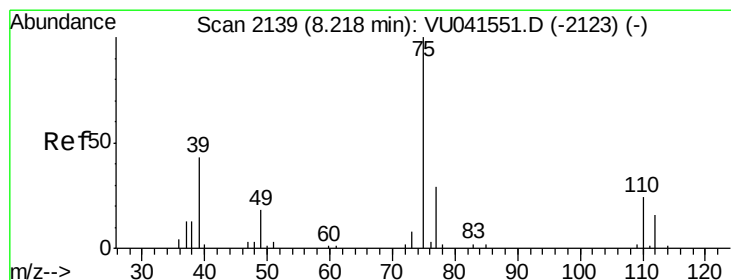
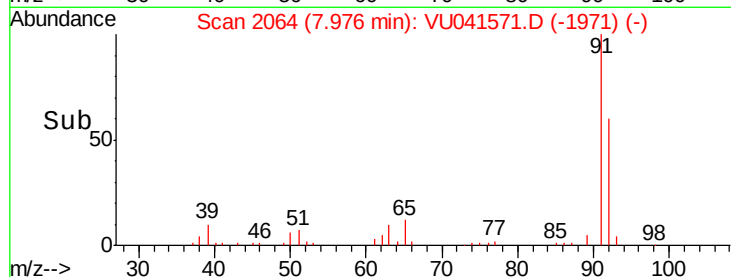
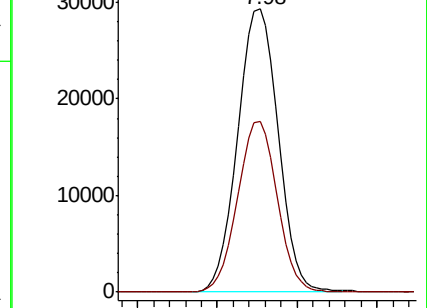
91 100

92 60.2 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.950 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041571.D

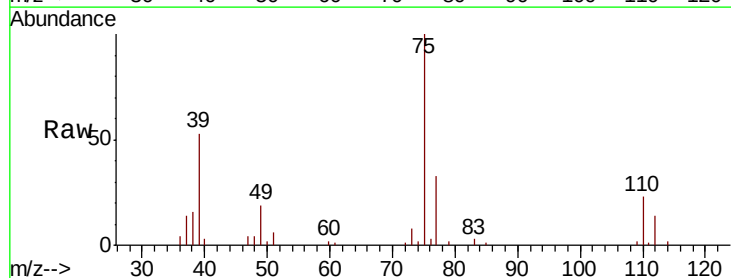
Acq: 11 Dec 2020 06:08

Tgt Ion: 75 Resp: 18117

Ion Ratio Lower Upper

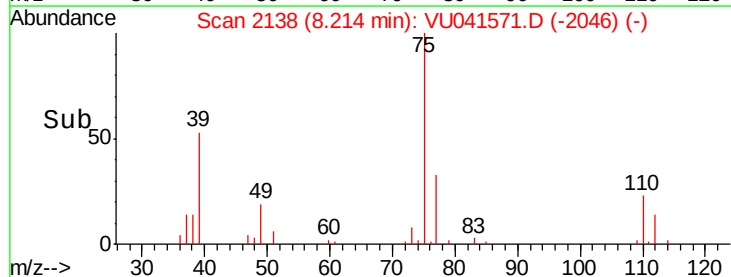
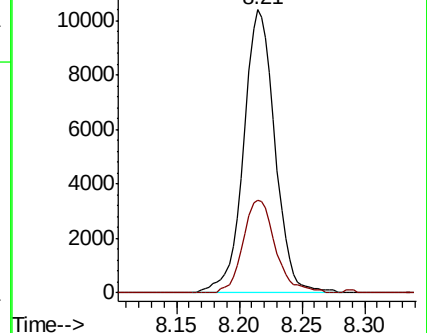
75 100

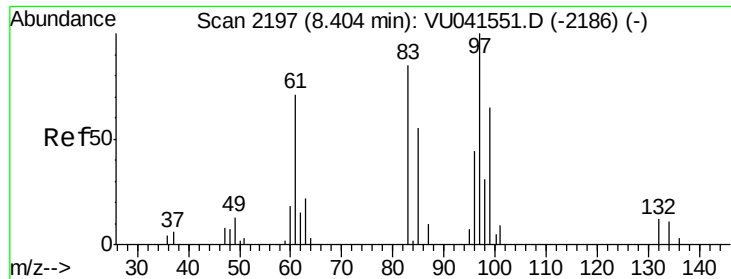
77 32.9 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

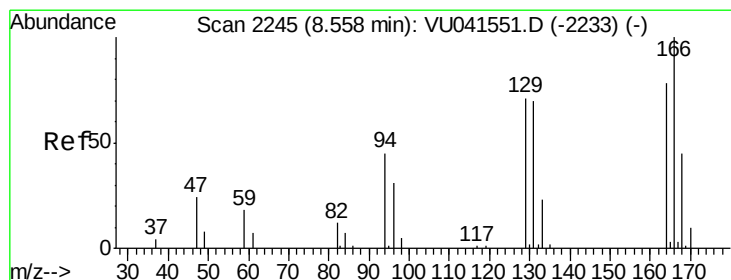
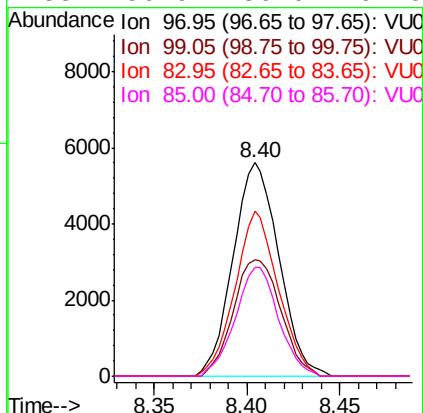
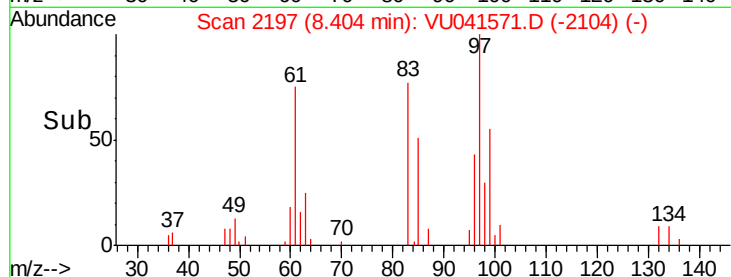
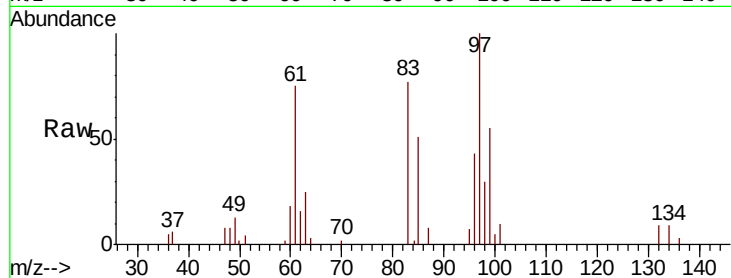




#45
1,1,2-Trichloroethane
Concen: 4.915 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

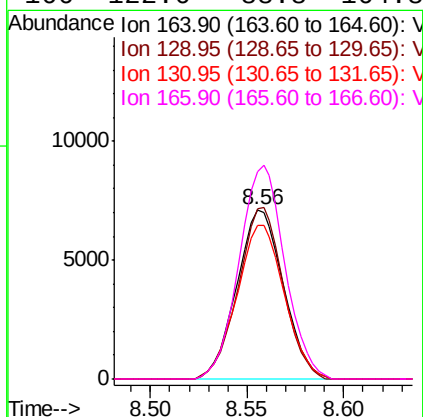
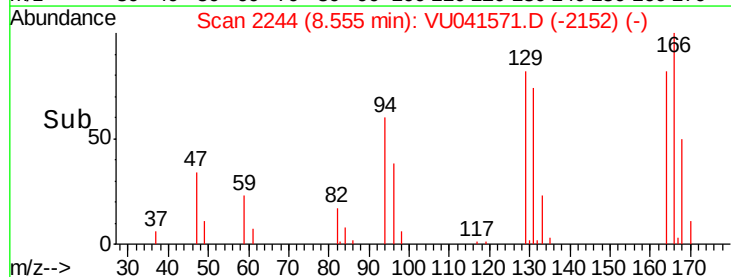
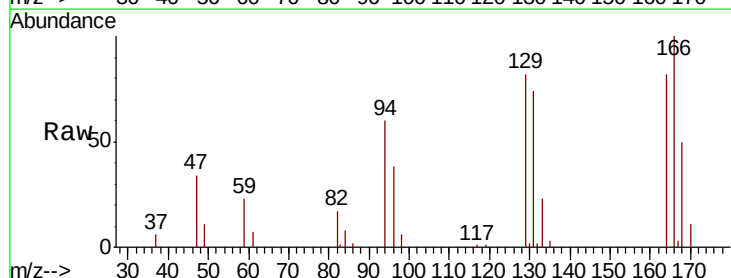
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

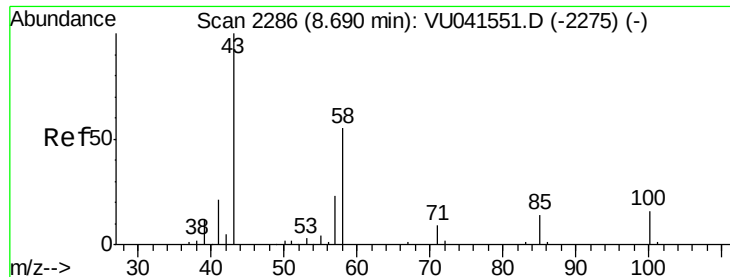
Tot Ion:	97	Resp:	9615
Ion	Ratio	Lower	Upper
97	100		
99	54.6	40.7	75.7
83	77.4	56.2	104.4
85	50.9	36.0	67.0



#47
Tetrachloroethene
Concen: 5.781 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Tgt Ion:	164	Resp:	11931
Ion	Ratio	Lower	Upper
164	100		
129	100.8	67.1	124.7
131	90.6	63.3	117.7
166	122.6	88.8	164.8

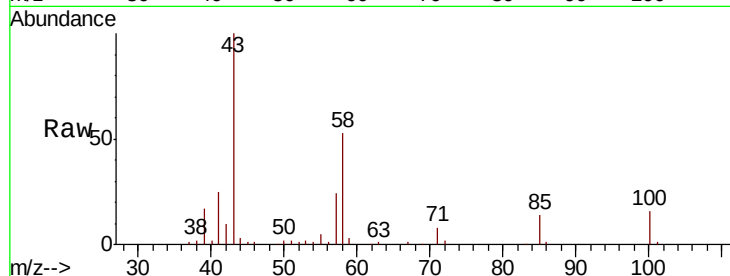




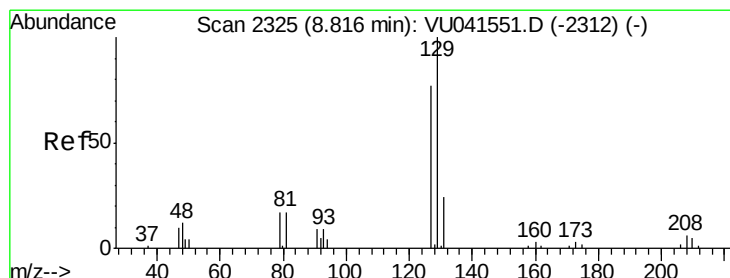
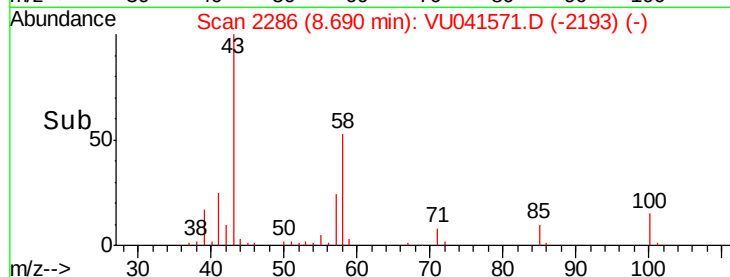
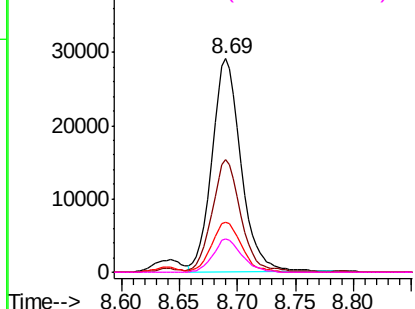
#48
2-Hexanone
Concen: 39.058 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion: 43 Resp: 51013
Ion Ratio Lower Upper
43 100
58 52.8 41.4 62.0
57 24.0 17.1 25.7
100 15.3 10.6 16.0

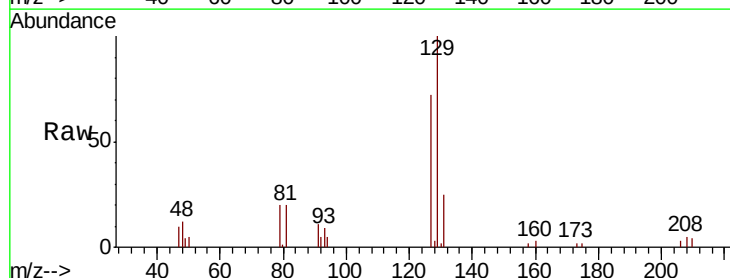


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

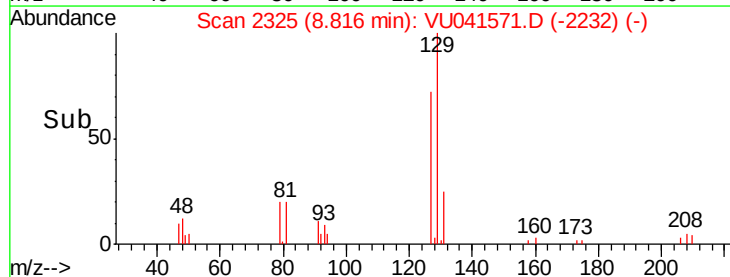
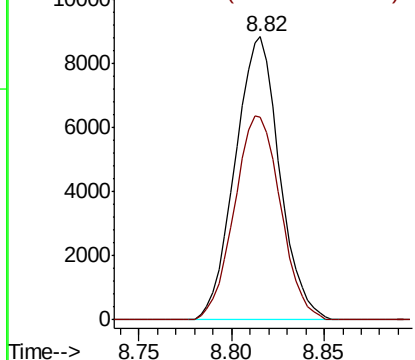


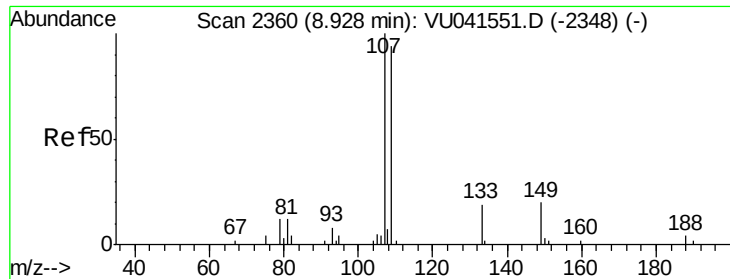
#49
Dibromochloromethane
Concen: 5.543 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Tgt Ion: 129 Resp: 14775
Ion Ratio Lower Upper
129 100
127 71.8 52.4 97.2



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

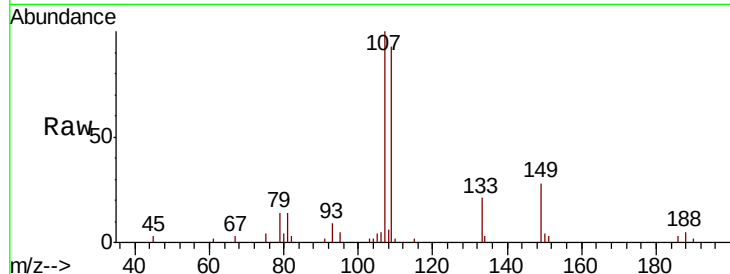




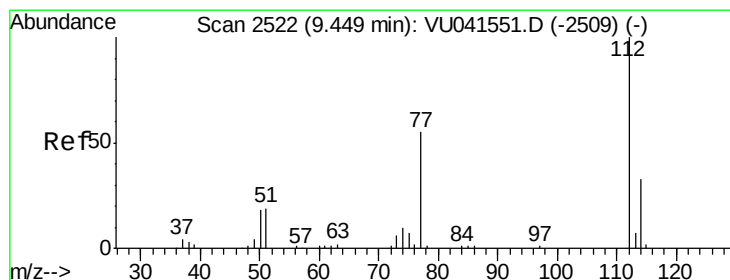
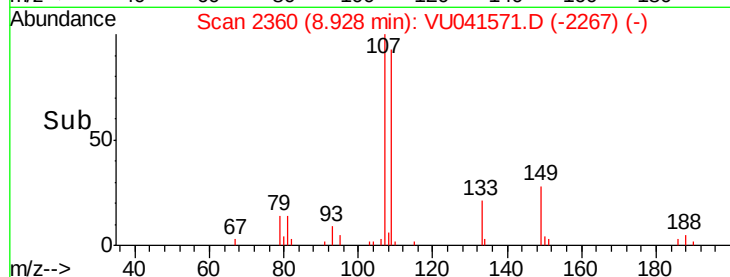
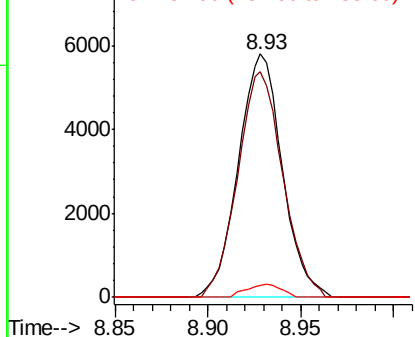
#50
1,2-Dibromoethane
Concen: 4.849 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion:107 Resp: 9569
Ion Ratio Lower Upper
107 100
109 92.7 62.3 115.7
188 5.1 4.2 6.4

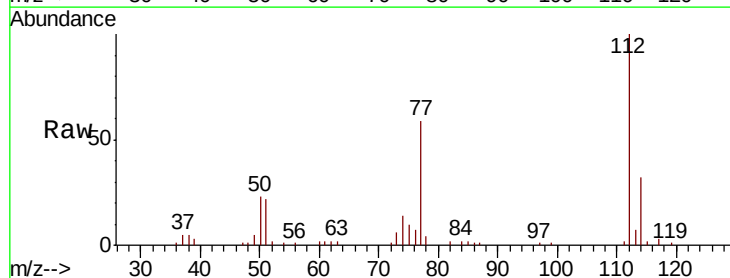


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

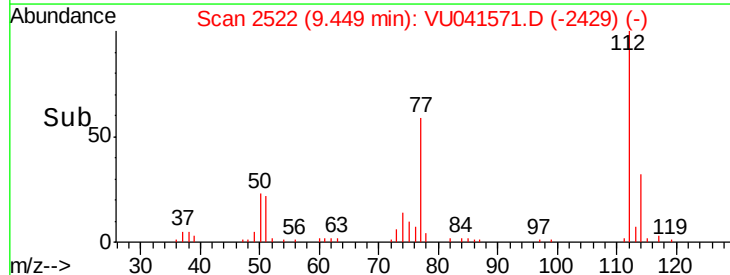
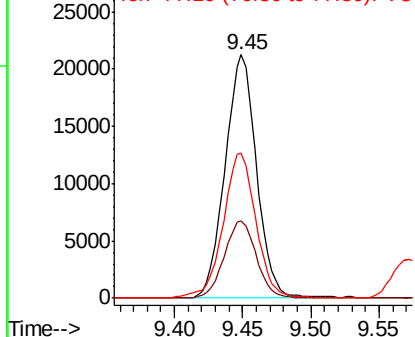


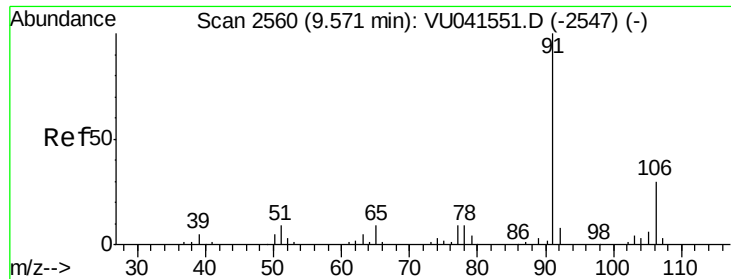
#51
Chlorobenzene
Concen: 5.251 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Tgt Ion:112 Resp: 34093
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.1
77 59.4 48.2 72.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.197 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

Instrument :

MSVOA_U

ClientSampleId :

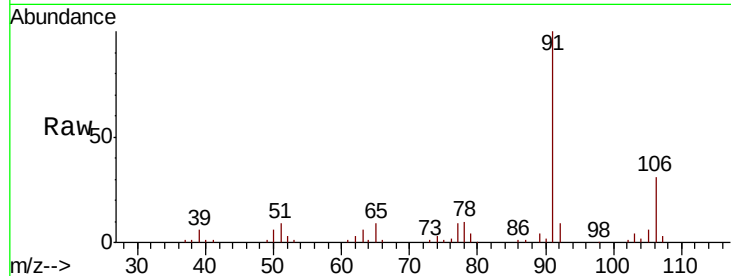
VSTD00511

Tot Ion: 91 Resp: 58030

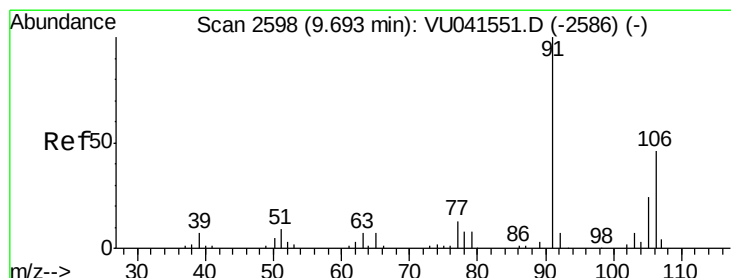
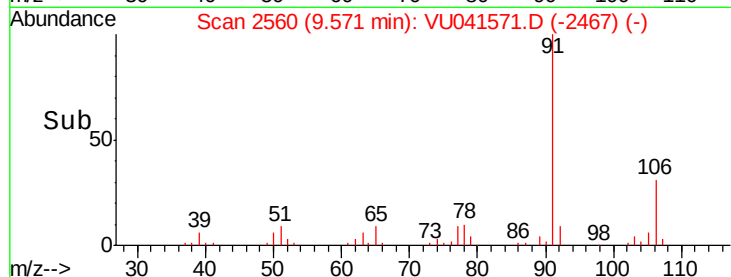
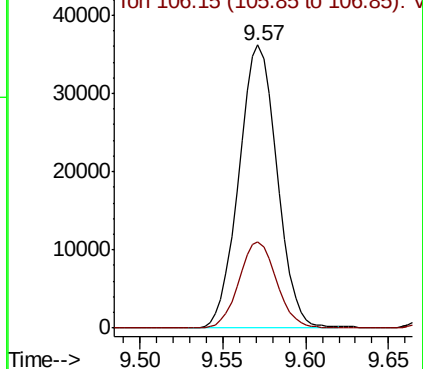
Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041571.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.419 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041571.D

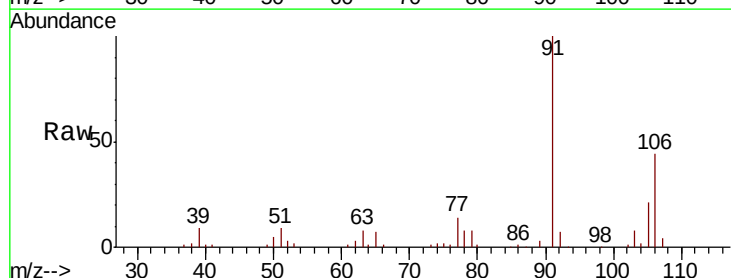
Acq: 11 Dec 2020 06:08

Tgt Ion: 106 Resp: 21966

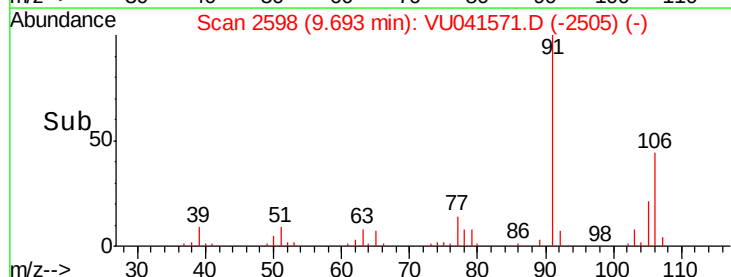
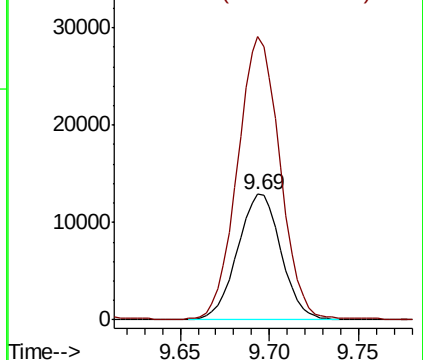
Ion Ratio Lower Upper

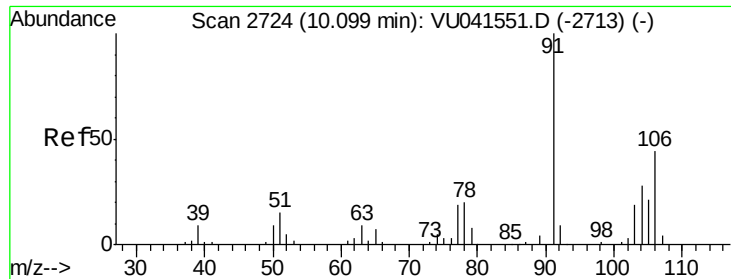
106 100

91 225.4 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041571.D (-2598) (-)

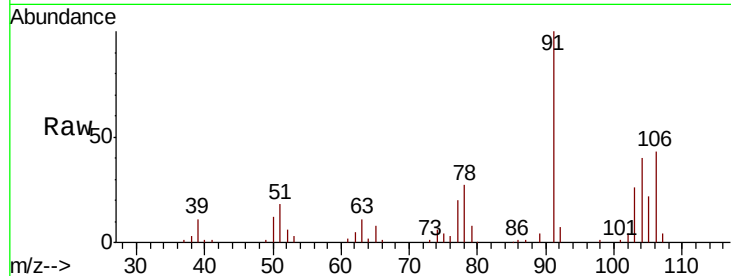




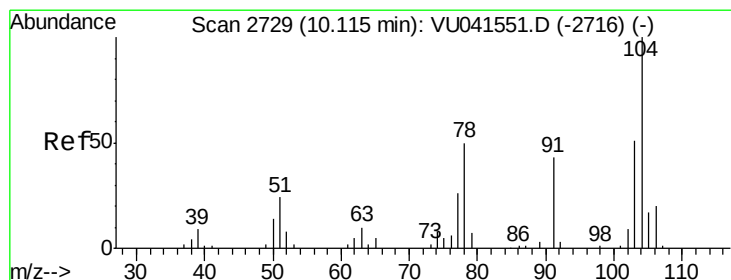
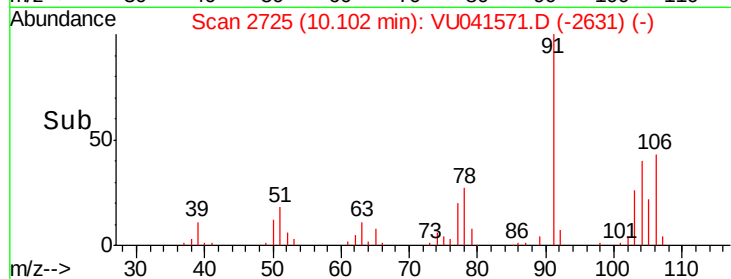
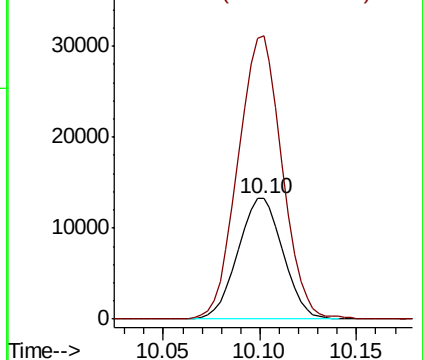
#54
o-Xylene
Concen: 5.457 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion:106 Resp: 21442
Ion Ratio Lower Upper
106 100
91 234.7 165.8 308.0

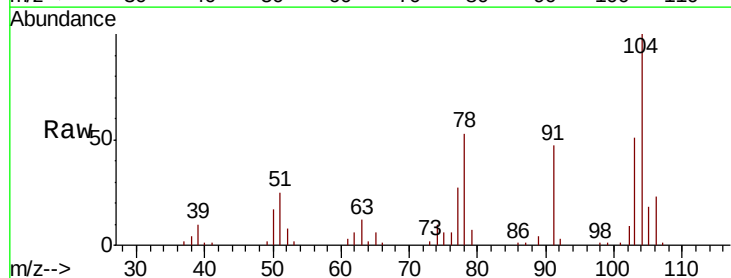


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

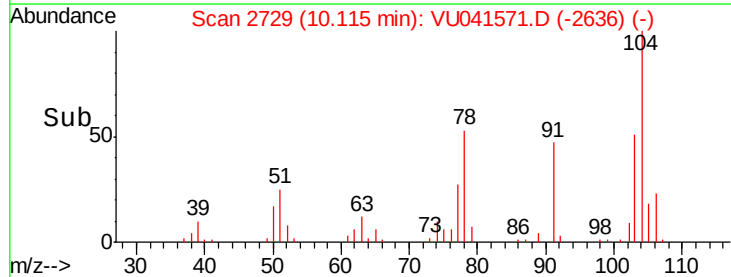
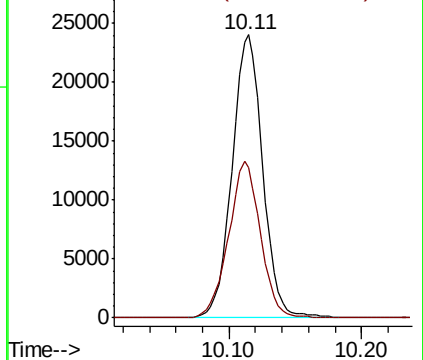


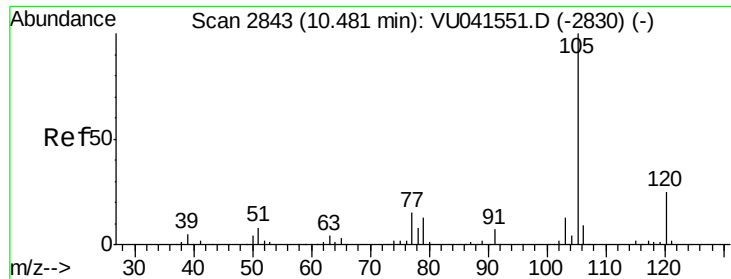
#55
Styrene
Concen: 5.764 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041571.D
Acq: 11 Dec 2020 06:08

Tgt Ion:104 Resp: 38465
Ion Ratio Lower Upper
104 100
78 53.1 39.8 74.0



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





#56

Isopropylbenzene

Concen: 5.470 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

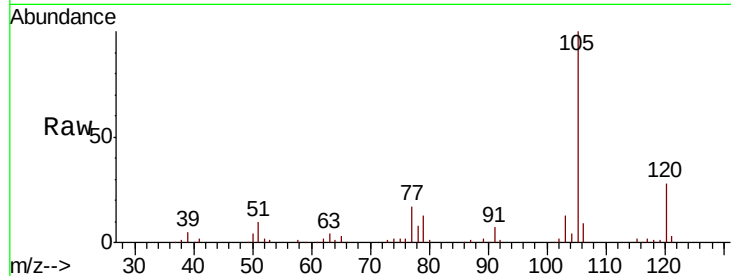
Tot Ion:105 Resp: 60679

Ion Ratio Lower Upper

105 100

120 26.6 20.0 30.0

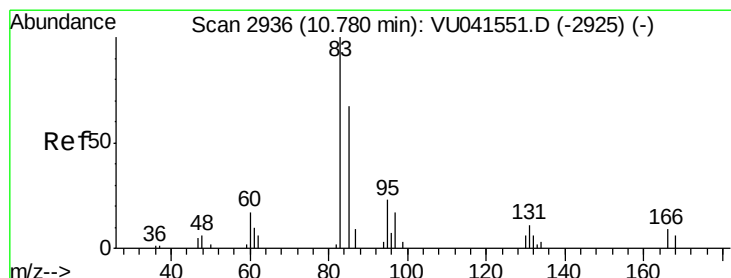
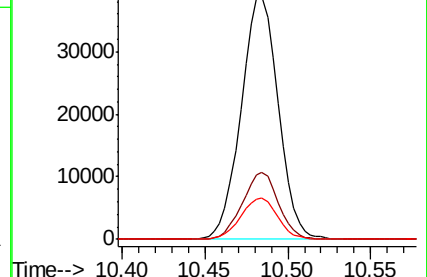
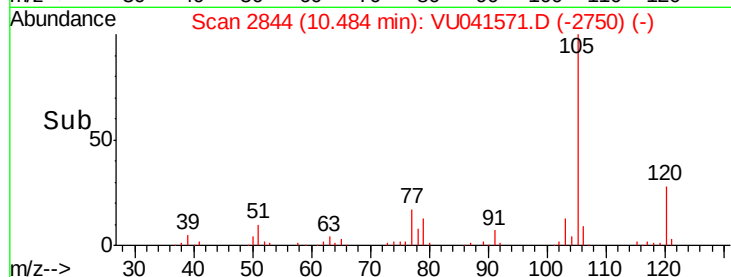
77 16.7 13.9 20.9



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: 4.376 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

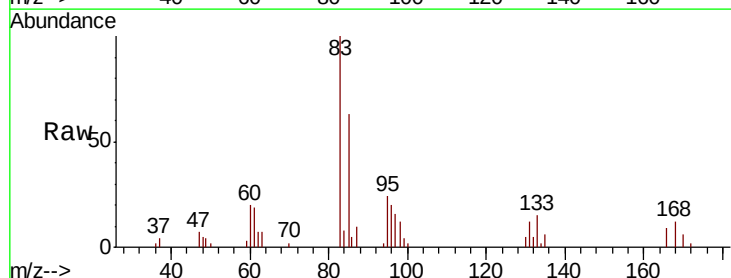
Tgt Ion: 83 Resp: 10516

Ion Ratio Lower Upper

83 100

85 62.7 45.2 84.0

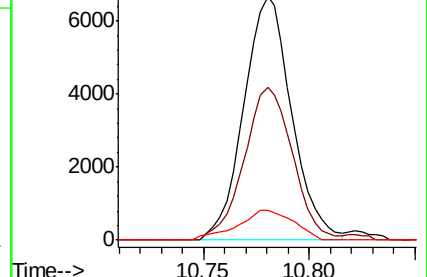
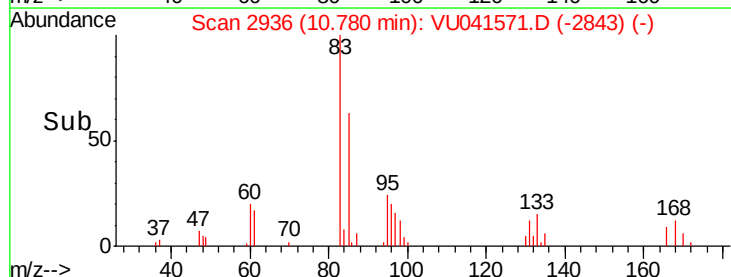
131 12.4 9.1 13.7

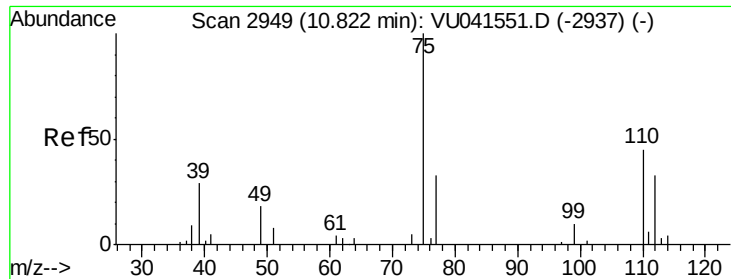


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

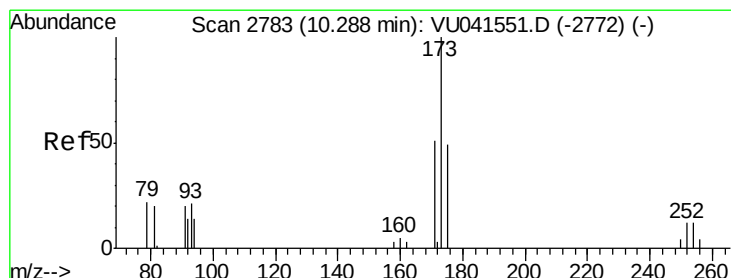
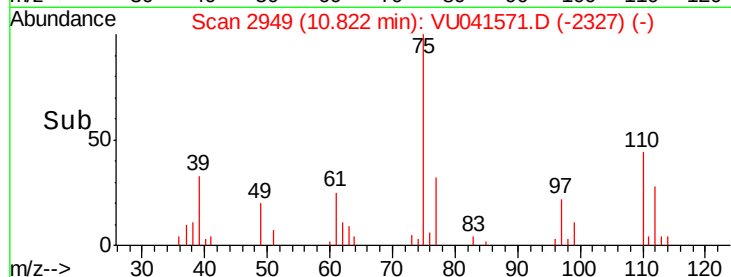
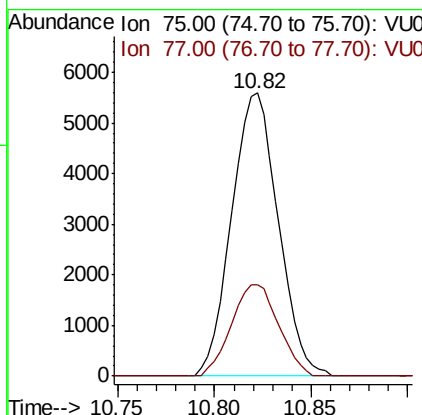
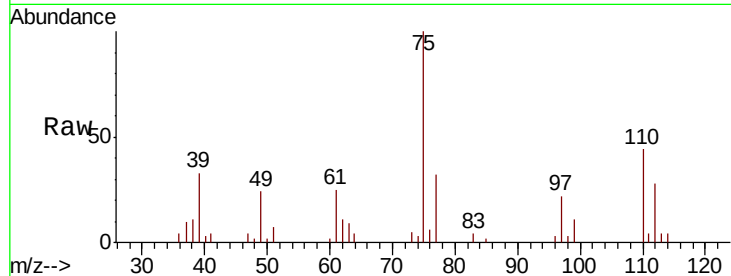




#59
 1,2,3-Trichloropropane
 Concen: 4.765 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

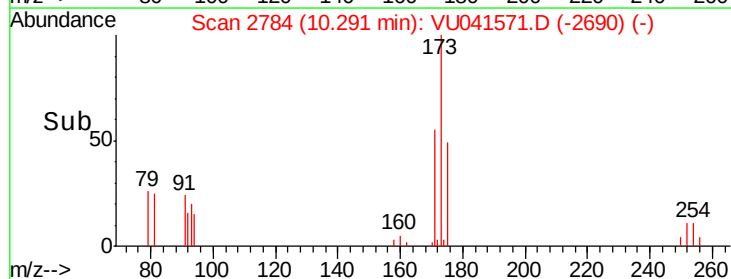
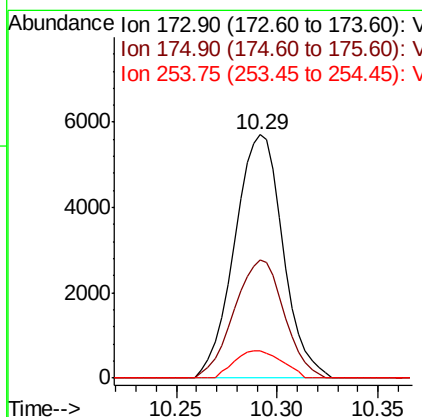
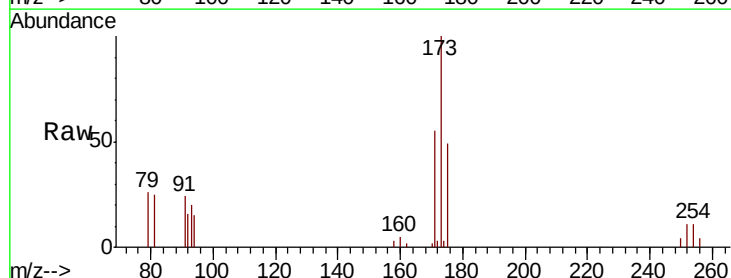
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

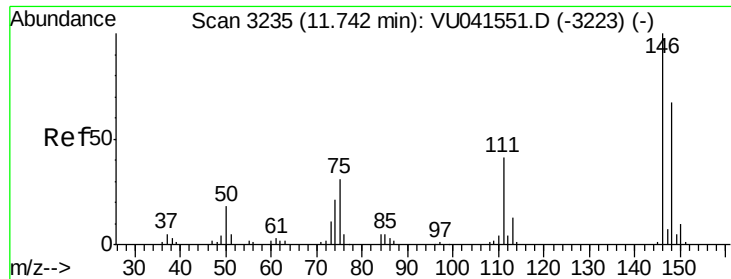
Tot Ion: 75 Resp: 9380
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.3 39.5



#61
 Bromoform
 Concen: 5.390 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Tgt Ion: 173 Resp: 9577
 Ion Ratio Lower Upper
 173 100
 175 50.3 38.8 58.2
 254 11.1 7.6 11.4

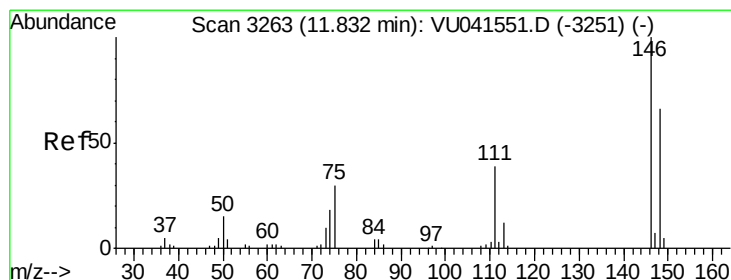
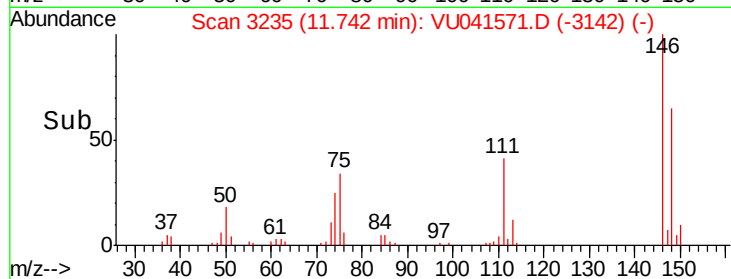
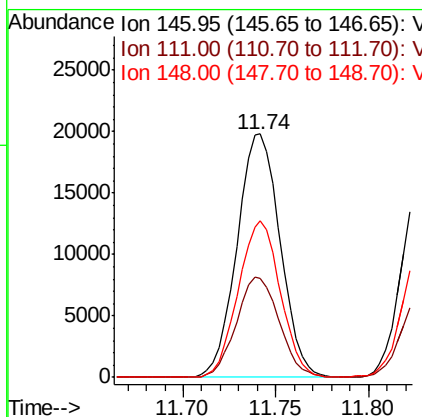
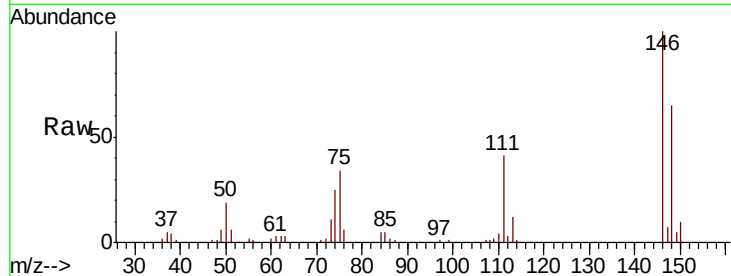




#62
 1,3-Dichlorobenzene
 Concen: 5.359 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

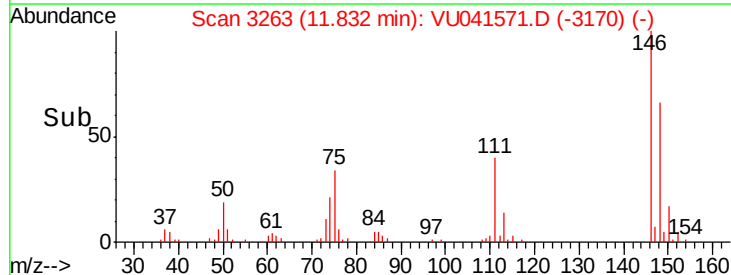
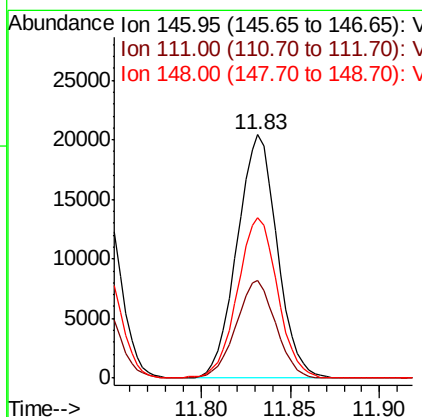
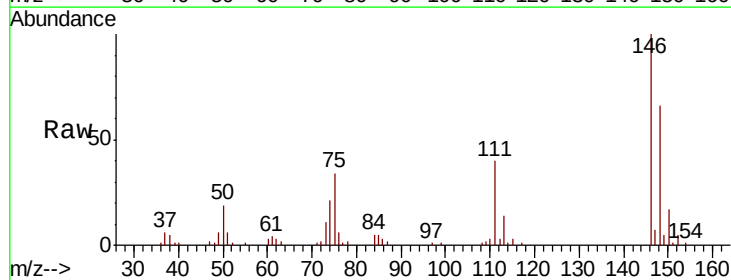
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

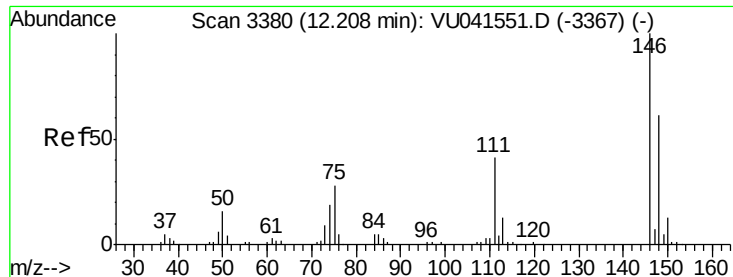
Tot Ion:146 Resp: 31937
 Ion Ratio Lower Upper
 146 100
 111 40.6 30.2 56.0
 148 64.5 44.0 81.6



#63
 1,4-Dichlorobenzene
 Concen: 5.214 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Tgt Ion:146 Resp: 31860
 Ion Ratio Lower Upper
 146 100
 111 39.9 30.7 57.1
 148 66.1 45.8 85.2

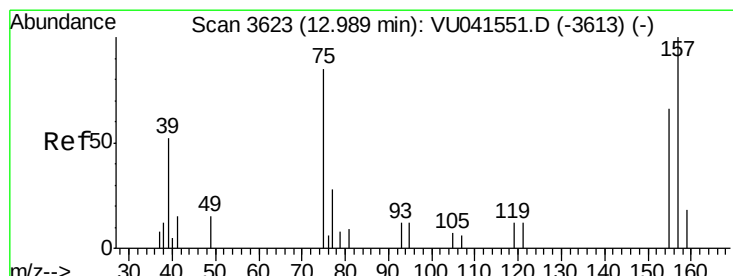
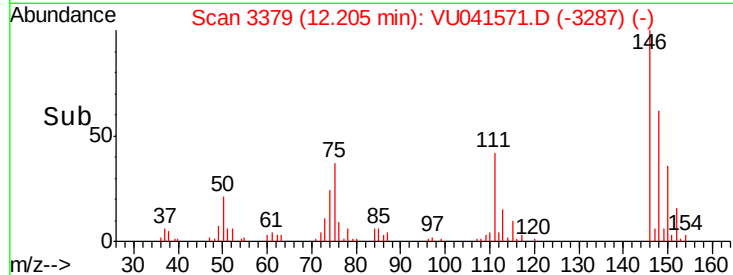
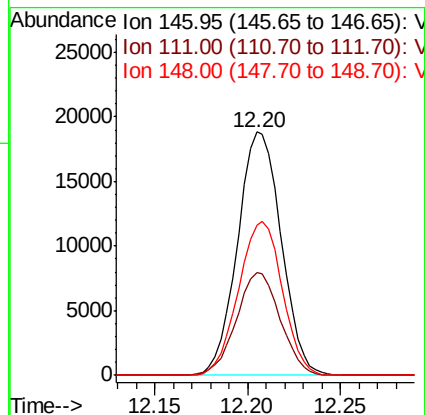
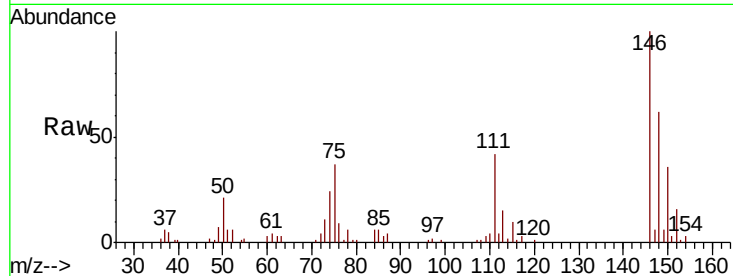




#65
 1,2-Dichlorobenzene
 Concen: 5.212 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

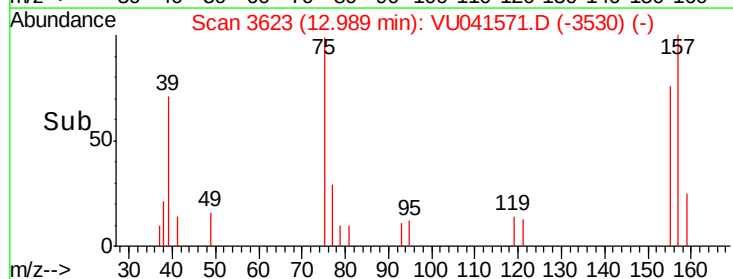
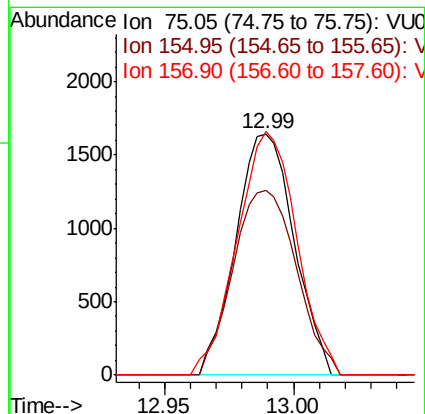
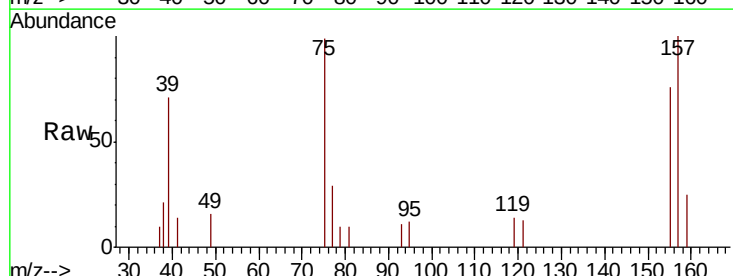
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

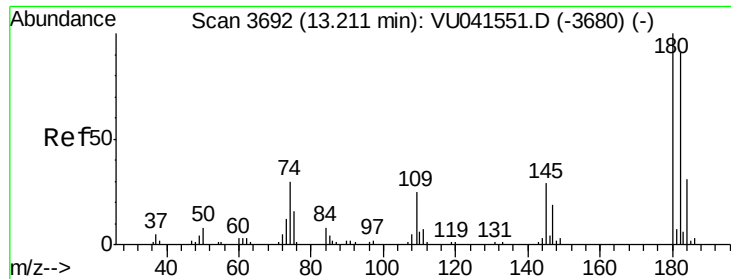
Tot Ion:146 Resp: 30756
 Ion Ratio Lower Upper
 146 100
 111 42.5 36.0 54.0
 148 61.7 49.0 73.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.479 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Tgt Ion: 75 Resp: 2589
 Ion Ratio Lower Upper
 75 100
 155 76.2 58.0 87.0
 157 100.7 77.1 115.7

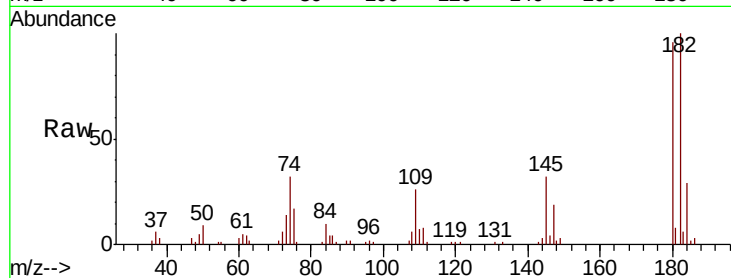




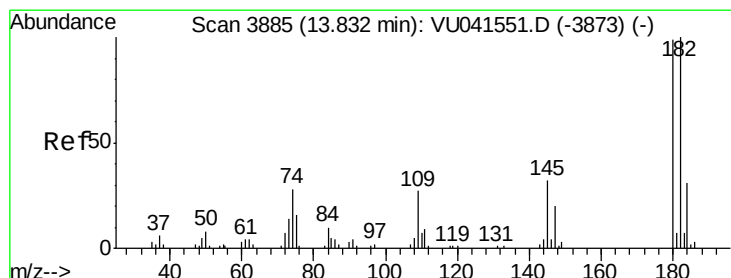
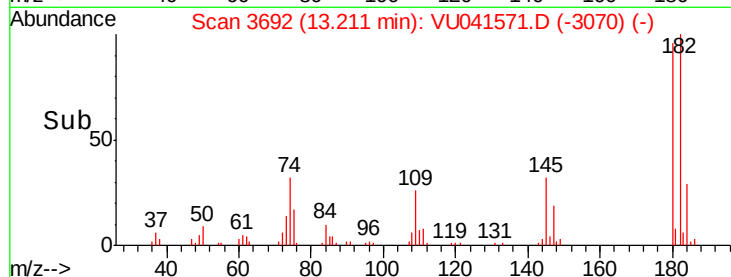
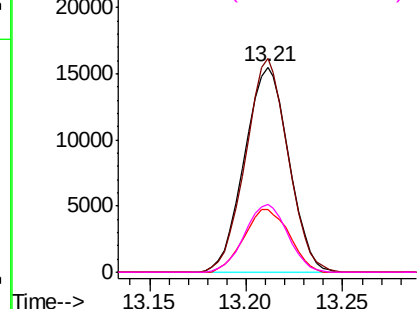
#67
 1,3,5-Trichlorobenzene
 Concen: 5.189 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion:180 Resp: 24711
 Ion Ratio Lower Upper
 180 100
 182 99.6 76.3 114.5
 184 31.2 23.8 35.6
 145 32.3 25.1 37.7

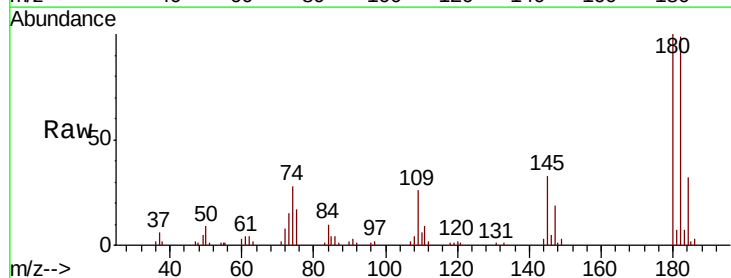


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

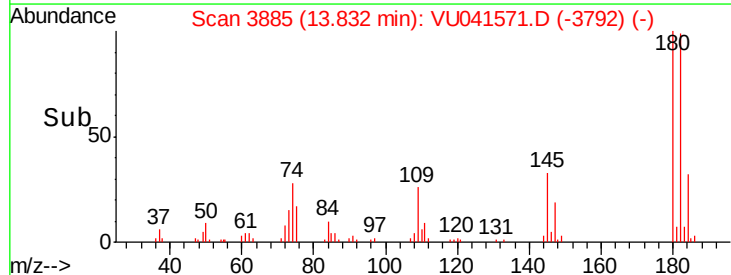
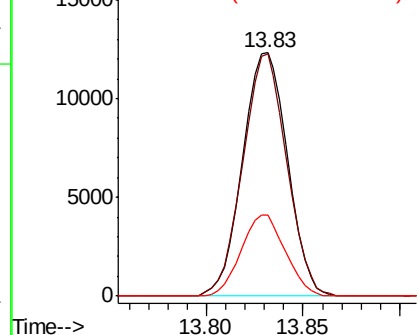


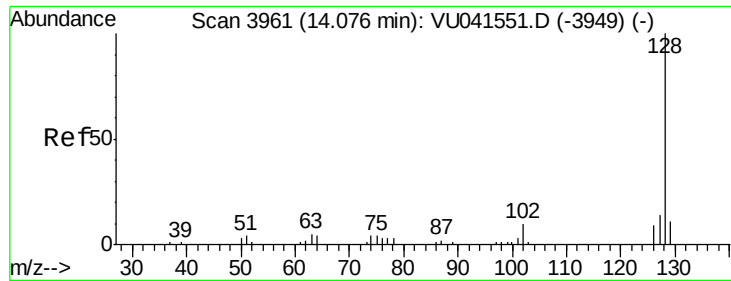
#68
 1,2,4-trichlorobenzene
 Concen: 5.211 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041571.D
 Acq: 11 Dec 2020 06:08

Tgt Ion:180 Resp: 19865
 Ion Ratio Lower Upper
 180 100
 182 97.5 77.8 116.8
 145 32.7 26.4 39.6



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: 4.512 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

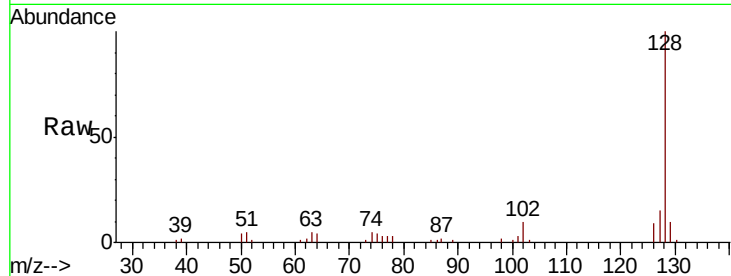
Tot Ion:128 Resp: 27024

Ion Ratio Lower Upper

128 100

129 9.9 8.6 12.8

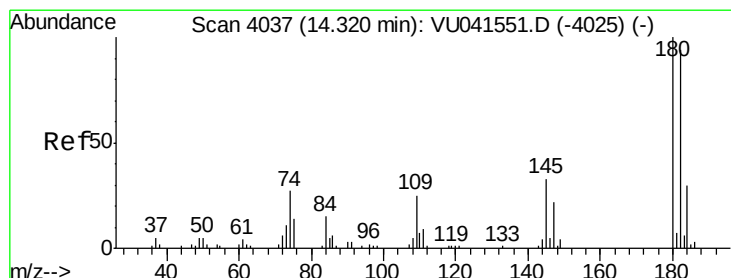
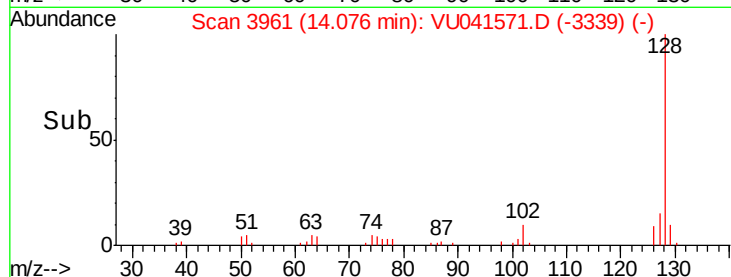
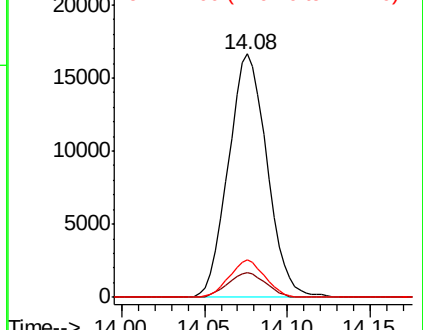
127 14.1 10.9 16.3



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: 5.194 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041571.D

Acq: 11 Dec 2020 06:08

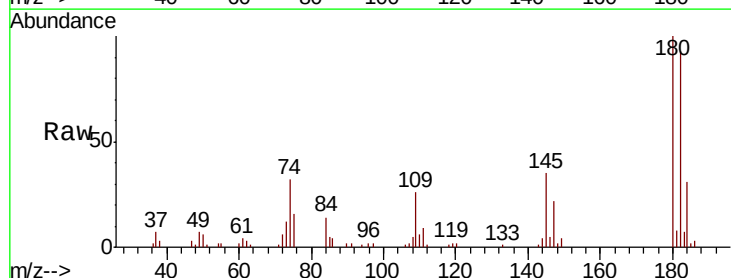
Tgt Ion:180 Resp: 17523

Ion Ratio Lower Upper

180 100

182 96.5 79.1 118.7

145 34.9 27.8 41.8



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

