

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041915.D
 Acq On : 11 Jan 2021 12:30
 Operator : SY/MD
 Sample : VSTD00504
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Quant Time: Jan 12 01:15:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 01:13:33 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	123397	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119605	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61208	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	51867	4.98	ug/L	0.00
7) Chloroethane-d5	1.92	69	48133	5.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	98720	5.01	ug/L	0.00
20) 2-Butanone-d5	4.66	46	159213	55.08	ug/L	0.00
24) Chloroform-d	5.08	84	98096	5.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	48397	4.84	ug/L	0.00
32) Benzene-d6	5.74	84	174449	4.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	56071	5.05	ug/L	0.00
41) Toluene-d8	7.91	98	162200	5.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	23051	4.97	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	120231	51.29	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49008	4.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	56891	4.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	63790	5.344	ug/L 100
3) Chloromethane	1.52	50	66287	5.104	ug/L 100
5) Vinyl chloride	1.61	62	73958	5.247	ug/L 100
6) Bromomethane	1.86	94	44331	5.201	ug/L 100
8) Chloroethane	1.94	64	44865	5.211	ug/L 100
9) Trichlorofluoromethane	2.14	101	94301	5.185	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	50613	5.114	ug/L 100
12) 1,1-Dichloroethene	2.59	96	49186	5.106	ug/L 100
13) Acetone	2.66	43	90556	49.796	ug/L 100
14) Carbon disulfide	2.80	76	150777	5.016	ug/L 100
15) Methyl Acetate	2.97	43	21044	4.934	ug/L 100
16) Methylene chloride	3.06	84	55524	4.586	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	123855	5.361	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	48922	5.231	ug/L 100
19) 1,1-Dichloroethane	3.88	63	92238	5.255	ug/L 100
21) 2-Butanone	4.74	43	161672	55.502	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	53889	5.395	ug/L 100
23) Bromochloromethane	4.99	128	25004	5.364	ug/L 100
25) Chloroform	5.11	83	96241	5.260	ug/L 100
27) 1,2-Dichloroethane	5.81	62	59787	5.098	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	78680	5.041	ug/L 100
30) Cyclohexane	5.40	56	75476	5.161	ug/L 100
31) Carbon tetrachloride	5.54	117	70011	5.190	ug/L 100
33) Benzene	5.79	78	197515	5.123	ug/L 100
34) Trichloroethene	6.55	95	51725	5.112	ug/L 100
35) Methylcyclohexane	6.77	83	77907	5.238	ug/L 100
37) 1,2-Dichloropropane	6.80	63	51317	5.338	ug/L 100
38) Bromodichloromethane	7.11	83	67639	5.258	ug/L 100
39) cis-1,3-Dichloropropene	7.61	75	73392	5.171	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	321431	52.668	ug/L 100

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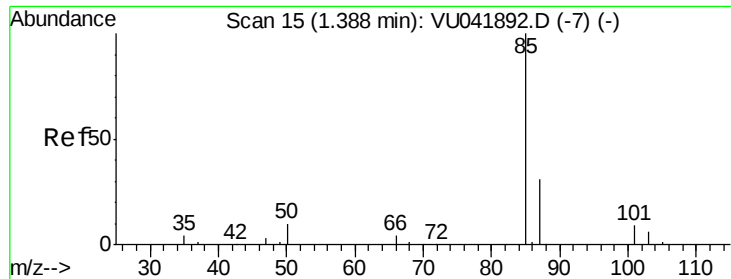
Instrument :
 MSVOA_U
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Quant Time: Jan 12 01:15:55 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.98	91	213171	5.352	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	65930	5.251	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	38592	5.236	ug/L	100
47) Tetrachloroethene	8.56	164	36793	5.226	ug/L	100
48) 2-Hexanone	8.69	43	241527	53.687	ug/L	100
49) Dibromochloromethane	8.81	129	45987	5.127	ug/L	100
50) 1,2-Dibromoethane	8.93	107	36356	5.233	ug/L	100
51) Chlorobenzene	9.45	112	130301	5.197	ug/L	100
52) Ethylbenzene	9.57	91	220835	5.264	ug/L	100
53) m,p-Xylene	9.69	106	83680	5.388	ug/L	100
54) o-Xylene	10.10	106	81586	5.436	ug/L	100
55) Styrene	10.11	104	143251	5.490	ug/L	100
56) Isopropylbenzene	10.48	105	215459	5.346	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	49543	5.144	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	36049	5.134	ug/L	100
61) Bromoform	10.29	173	26920	5.192	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	103180	5.313	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	101761	5.221	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	97567	5.219	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	8530	5.024	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	72092	5.084	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	55010	5.147	ug/L	100
69) Naphthalene	14.08	128	95429	5.266	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	52847	5.230	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.344 ug/L

RT: 1.39 min Scan# 14

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampleId :

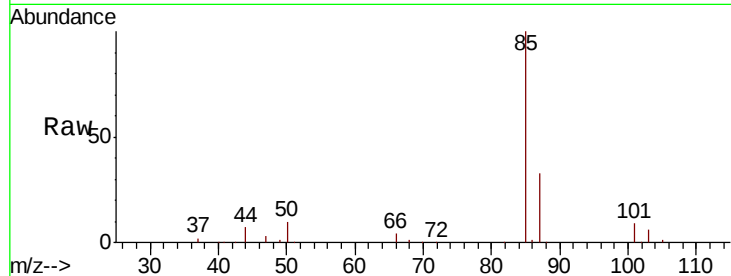
VSTD00504

Tot Ion: 85 Resp: 63790

Ion Ratio Lower Upper

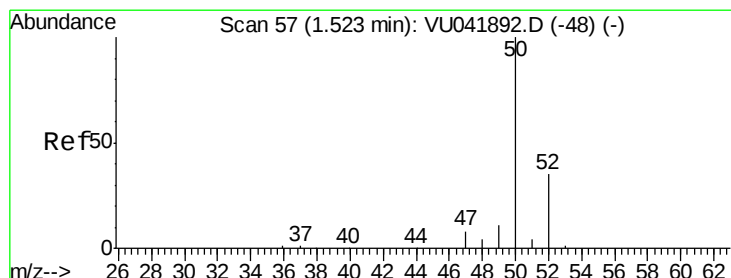
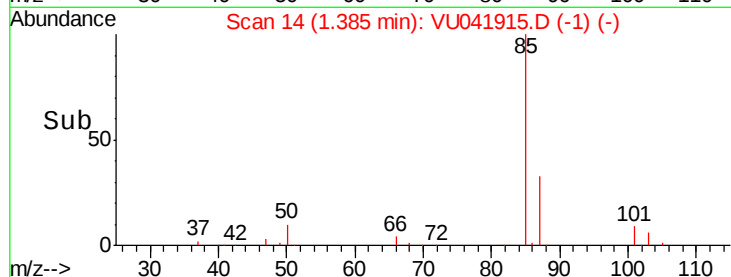
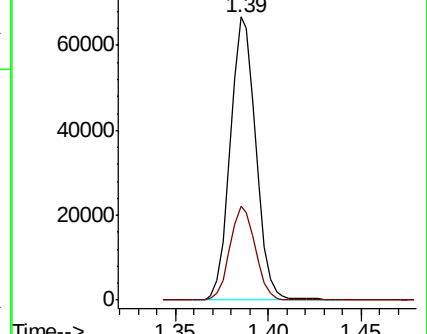
85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.104 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041915.D

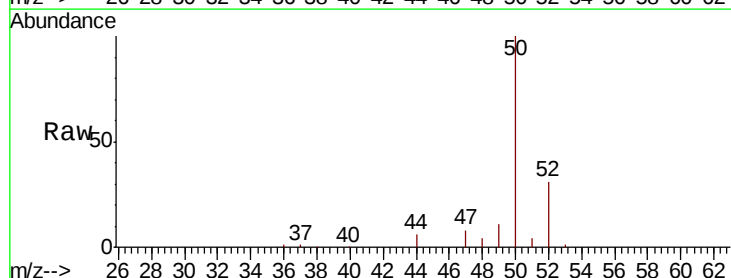
Acq: 11 Jan 2021 12:30

Tgt Ion: 50 Resp: 66287

Ion Ratio Lower Upper

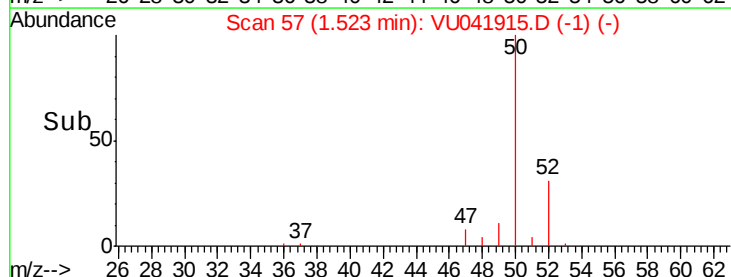
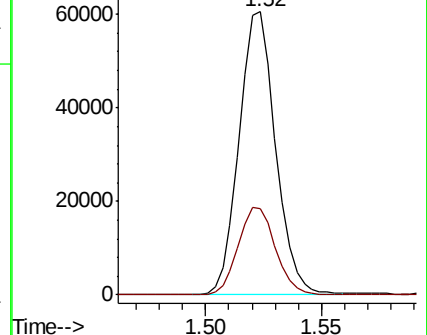
50 100

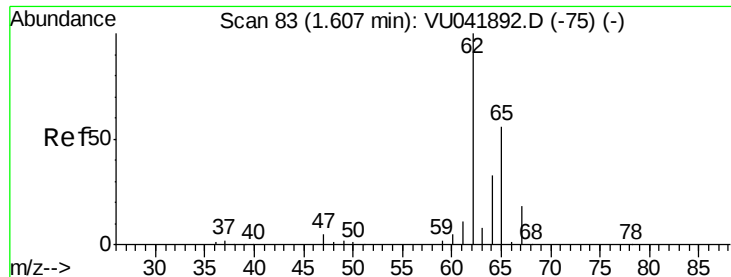
52 30.6 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.247 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampled :

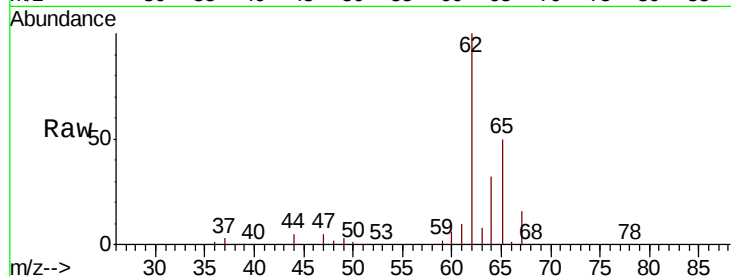
VSTD00504

Tot Ion: 62 Resp: 73958

Ion Ratio Lower Upper

62 100

64 31.7 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

80000

60000

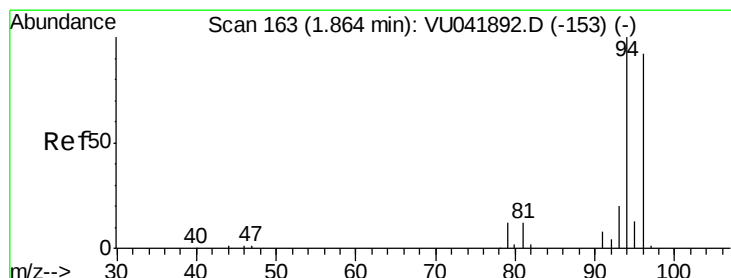
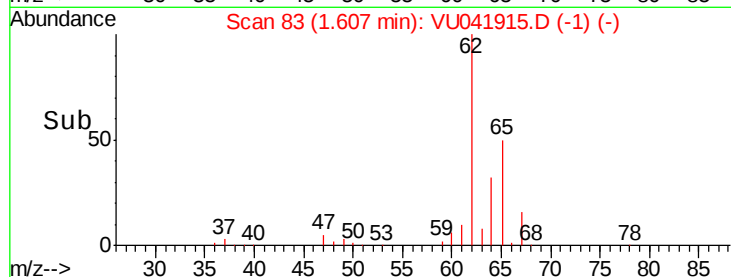
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 5.201 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041915.D

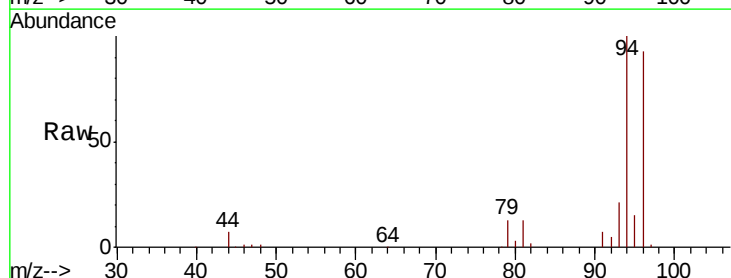
Acq: 11 Jan 2021 12:30

Tgt Ion: 94 Resp: 44331

Ion Ratio Lower Upper

94 100

96 93.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

40000

30000

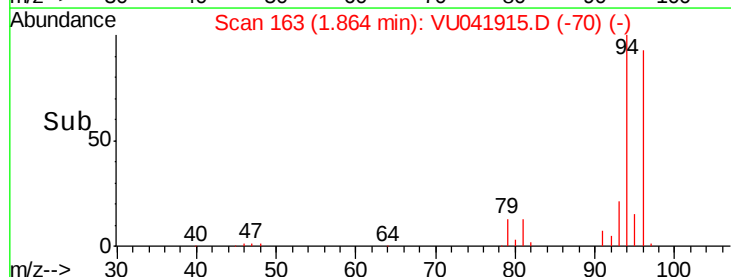
20000

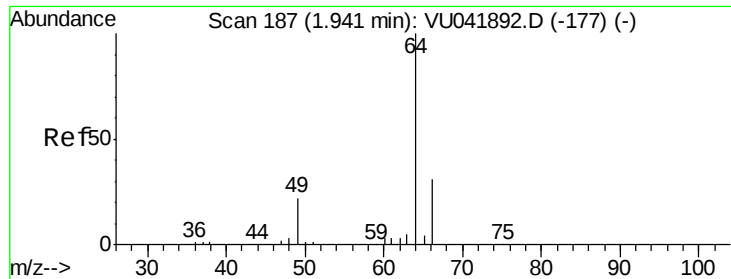
10000

0

1.80 1.85 1.90

Time-->

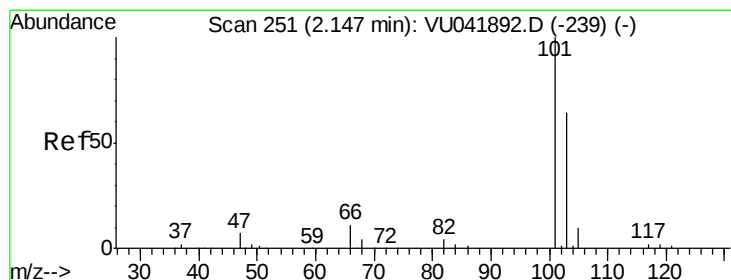
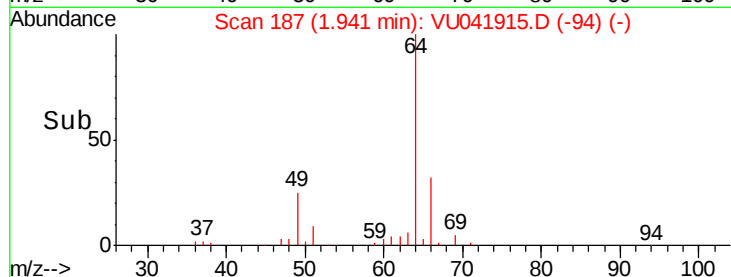
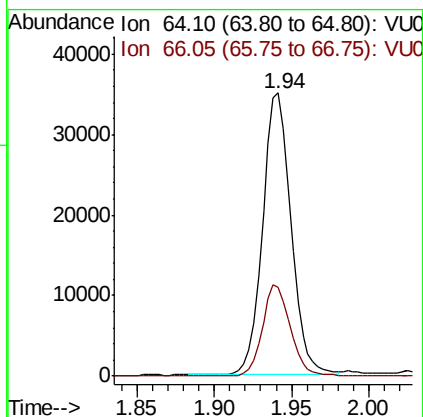
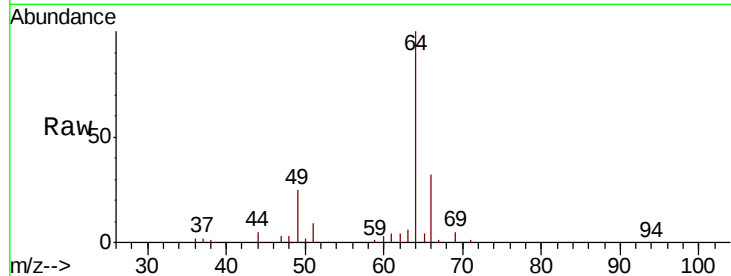




#8
Chloroethane
Concen: 5.211 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

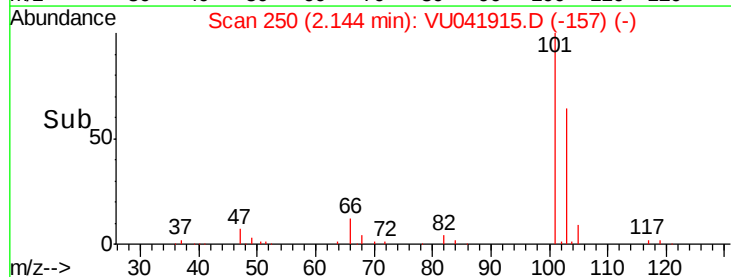
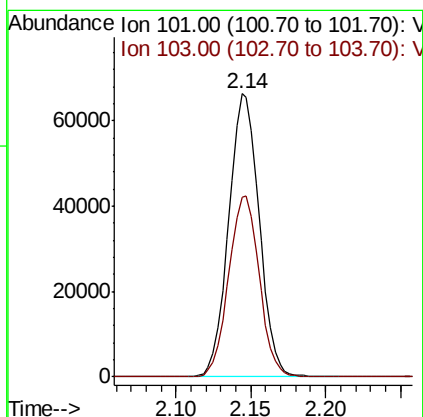
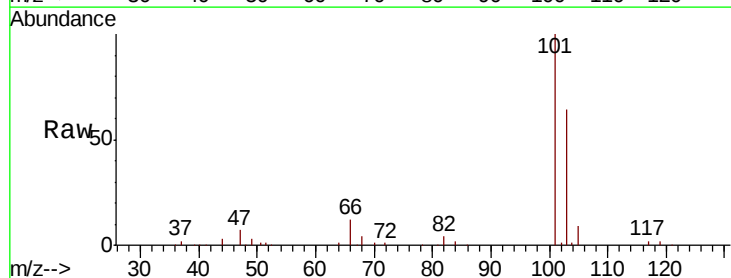
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

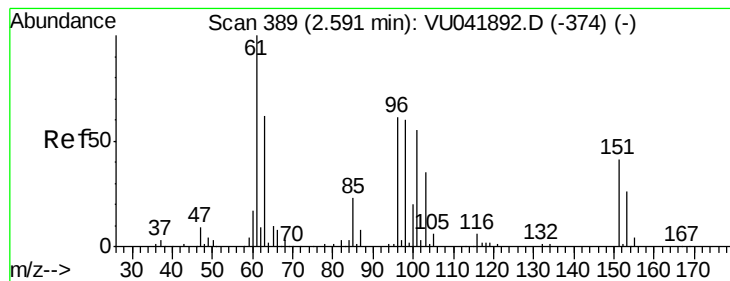
Tot Ion: 64 Resp: 44865
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.185 ug/L
RT: 2.14 min Scan# 250
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

Tgt Ion: 101 Resp: 94301
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9





#10

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

Concen: 5.114 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

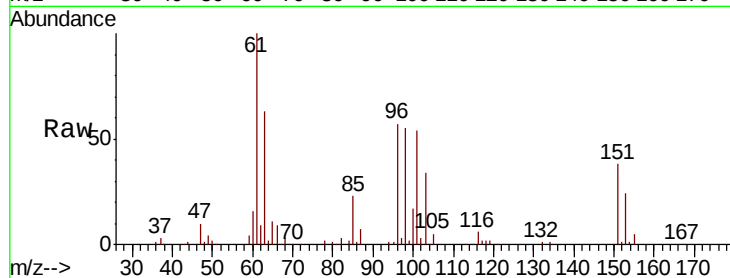
Tot Ion:101 Resp: 50613

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

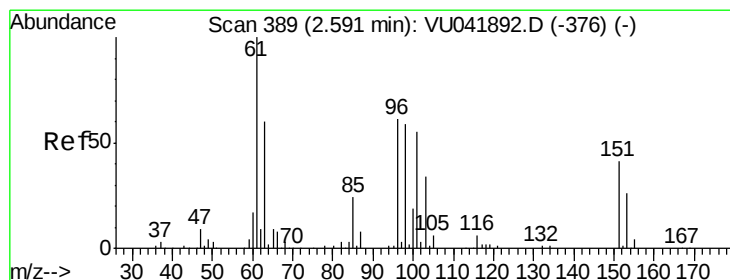
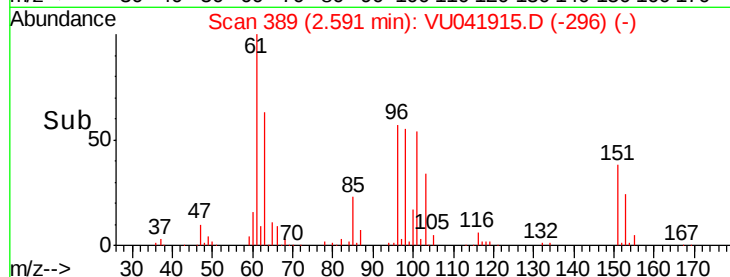
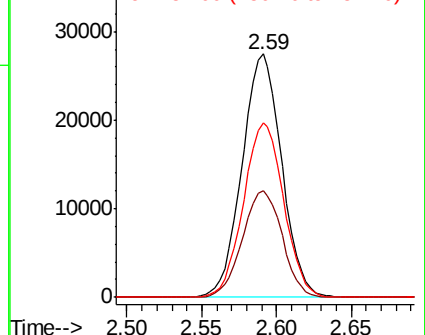
151 72.7 58.2 87.2



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: 5.106 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

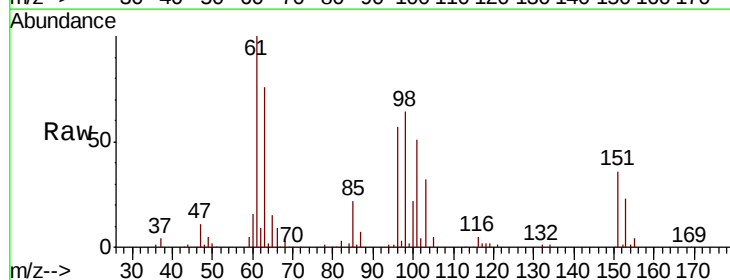
Tgt Ion: 96 Resp: 49186

Ion Ratio Lower Upper

96 100

61 176.5 123.5 229.4

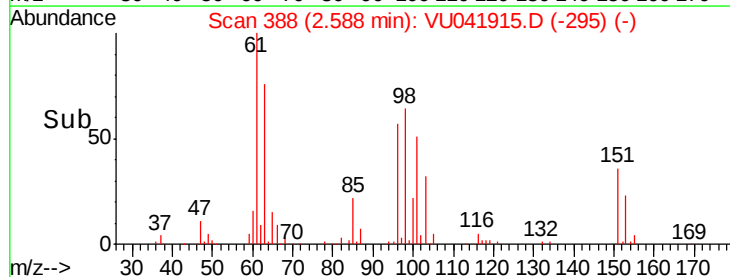
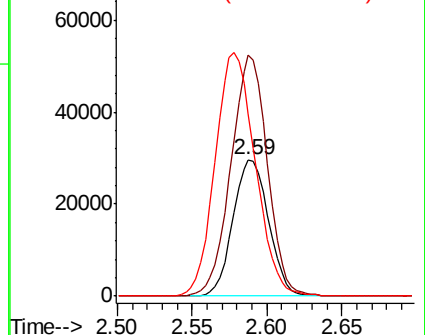
63 133.6 93.5 173.7

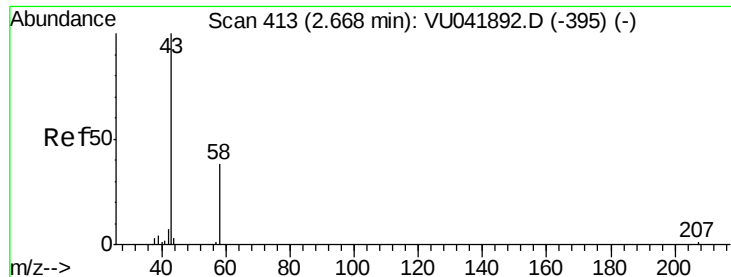


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.796 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampleId :

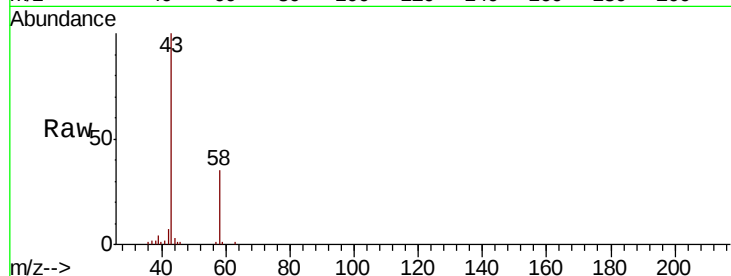
VSTD00504

Tot Ion: 43 Resp: 90556

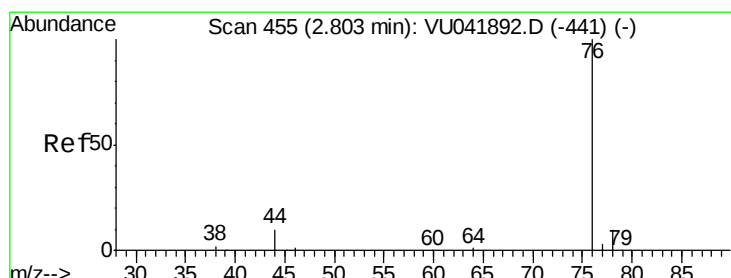
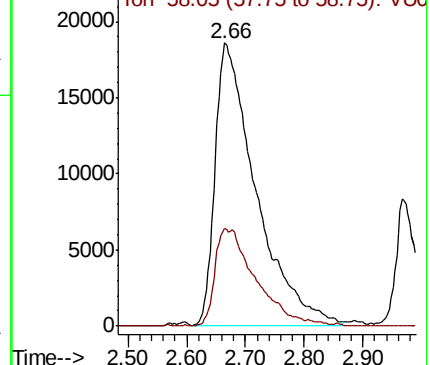
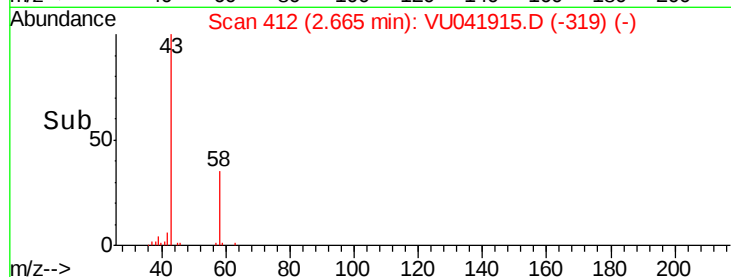
Ion Ratio Lower Upper

43 100

58 11.8 0.0 23.6



Abundance Ion 43.05 (42.75 to 43.75): VU041915.D (-319) (-)



#14

Carbon disulfide

Concen: 5.016 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041915.D

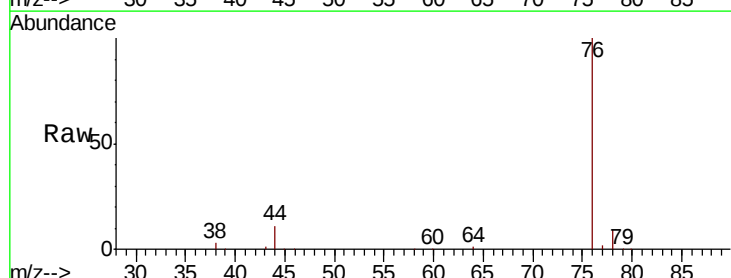
Acq: 11 Jan 2021 12:30

Tgt Ion: 76 Resp: 150777

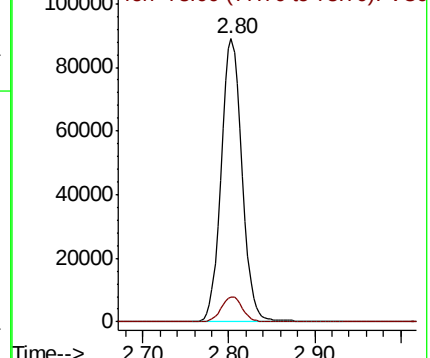
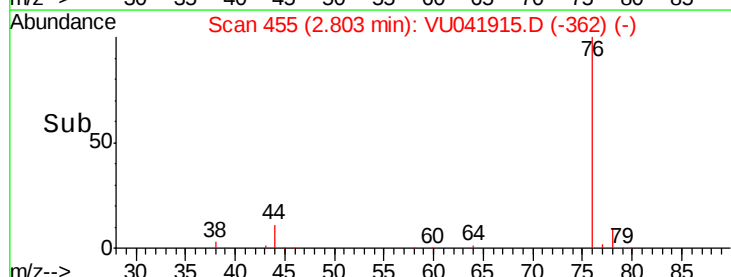
Ion Ratio Lower Upper

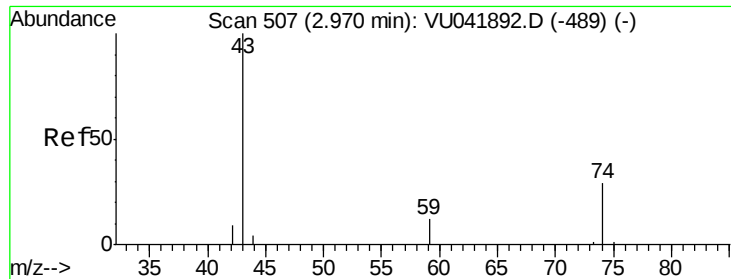
76 100

78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU041915.D (-362) (-)

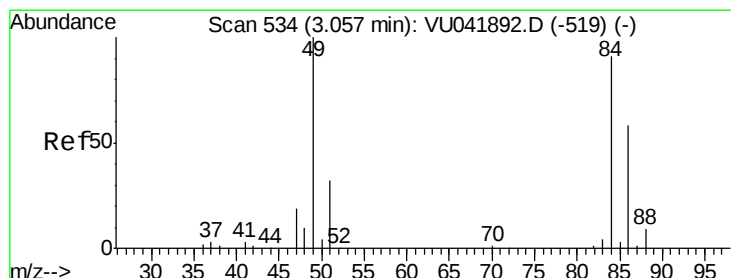
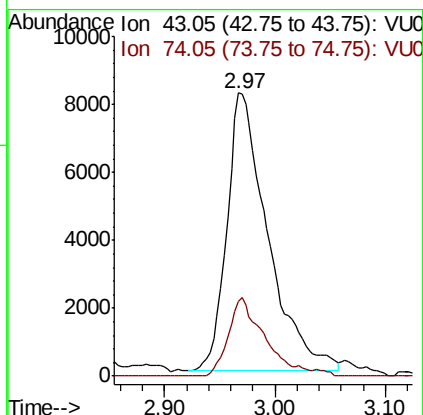
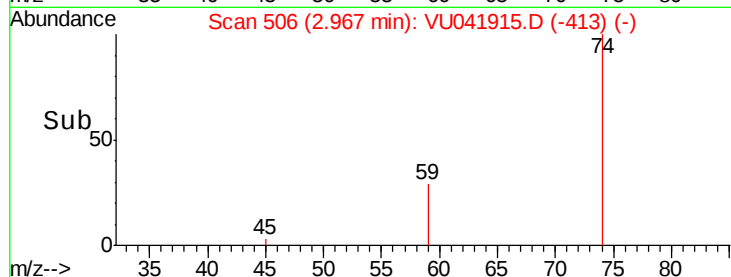
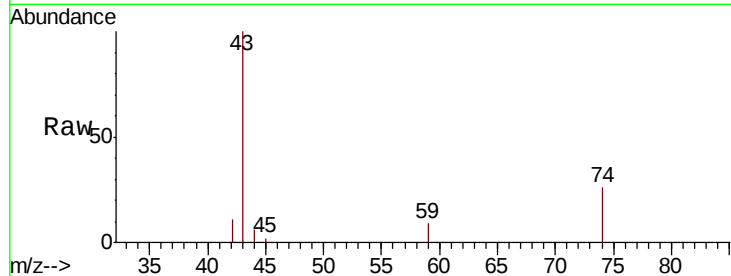




#15
Methyl Acetate
Concen: 4.934 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

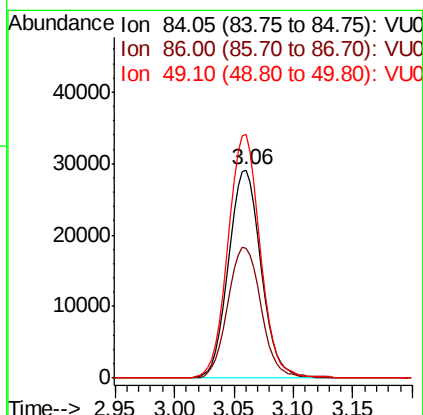
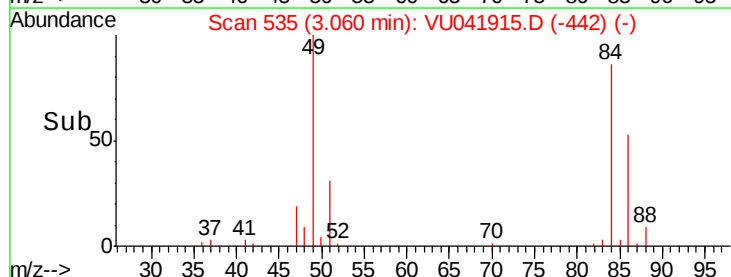
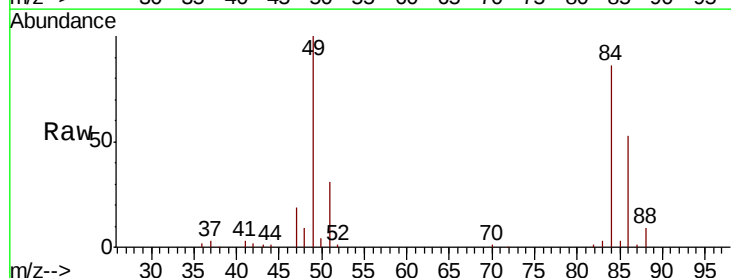
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

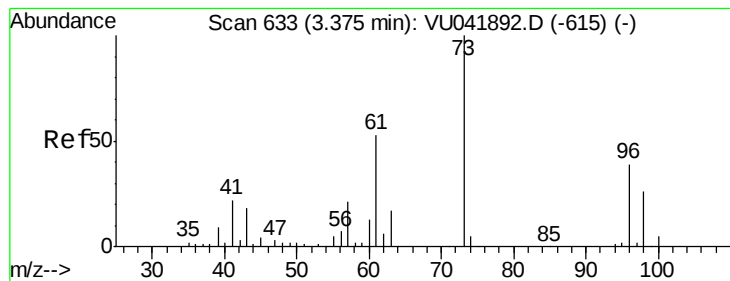
Tot Ion: 43 Resp: 21044
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8



#16
Methylene chloride
Concen: 4.586 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

Tgt Ion: 84 Resp: 55524
Ion Ratio Lower Upper
84 100
86 62.1 43.5 80.7
49 116.8 81.8 151.8



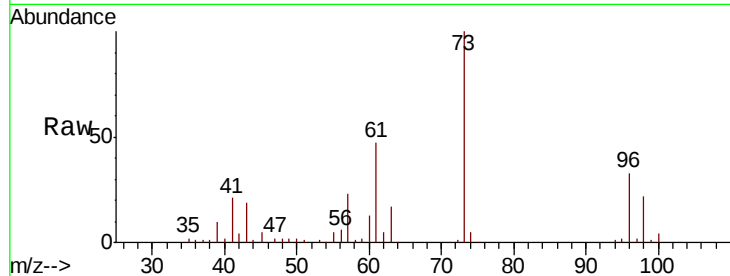


#17

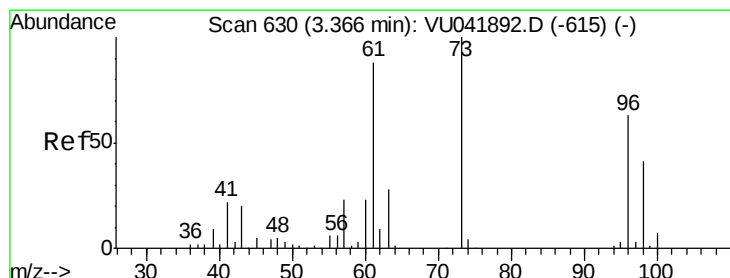
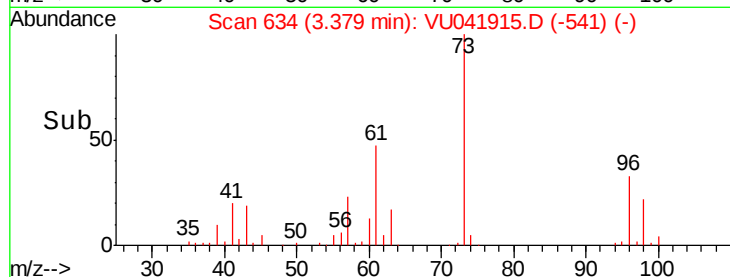
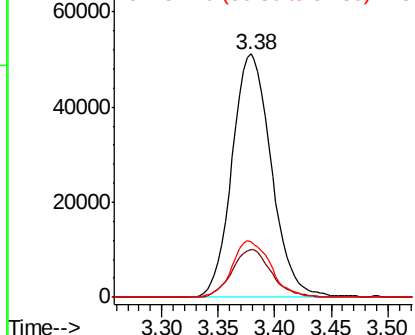
Methvl tert-butvl Ether
 Concen: 5.361 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion: 73 Resp: 123855
 Ion Ratio Lower Upper
 73 100
 43 19.8 15.8 23.8
 57 22.9 18.3 27.5



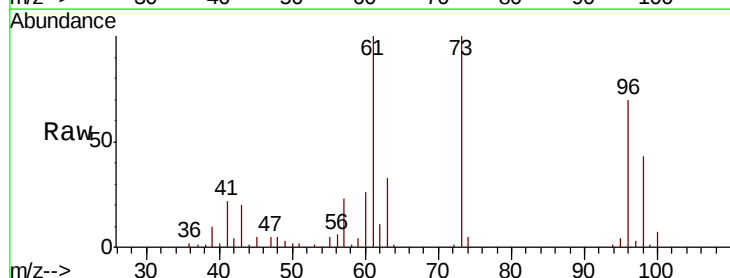
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



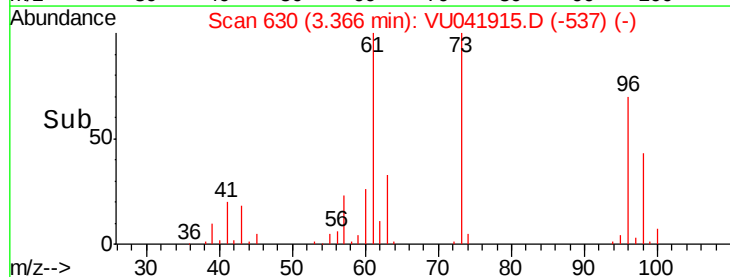
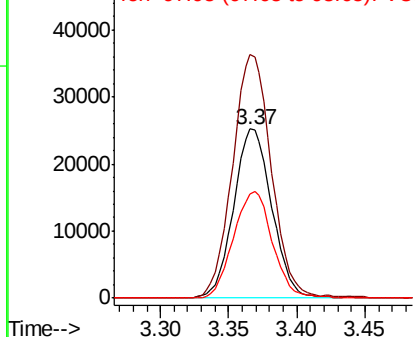
#18

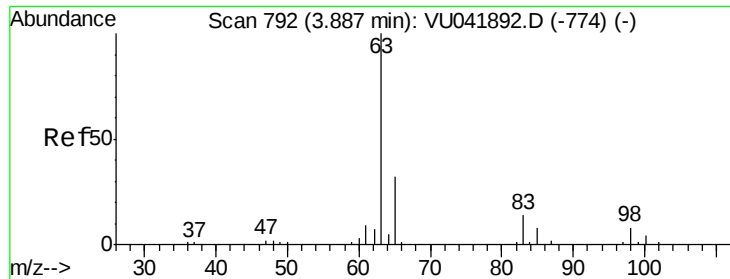
trans-1,2-Dichloroethene
 Concen: 5.231 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Tgt Ion: 96 Resp: 48922
 Ion Ratio Lower Upper
 96 100
 61 143.9 100.7 187.1
 98 61.5 43.0 80.0



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

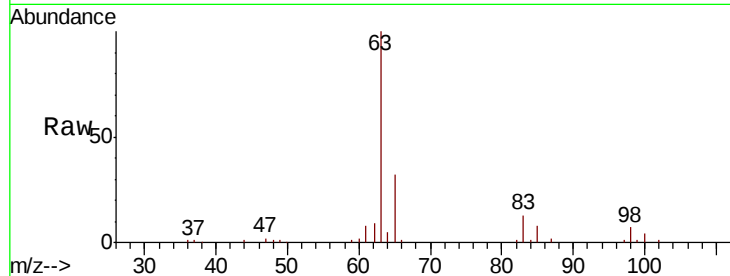




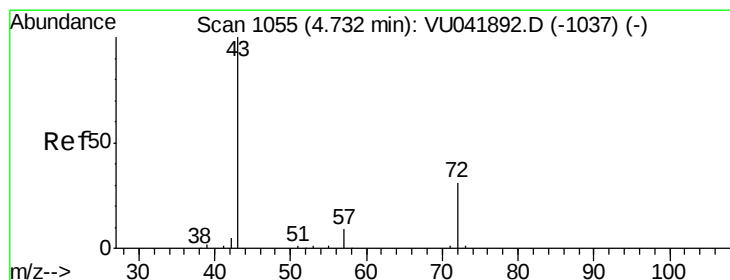
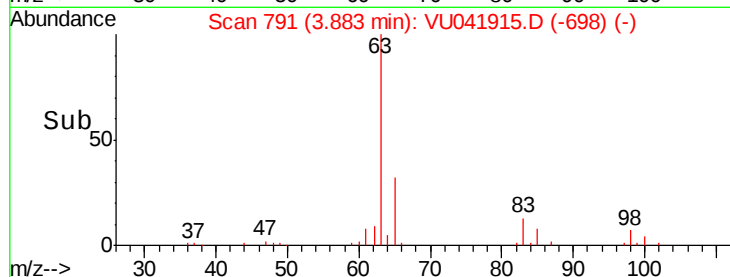
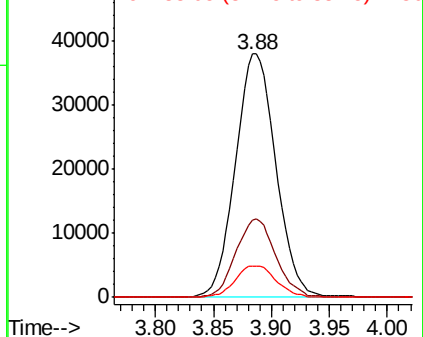
#19
 1,1-Dichloroethane
 Concen: 5.255 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion: 63 Resp: 92238
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.5
 83 12.9 9.0 16.8

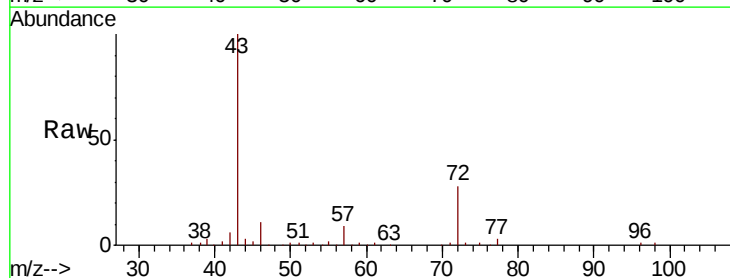


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

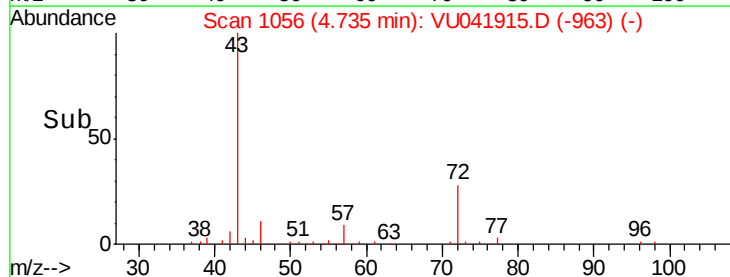
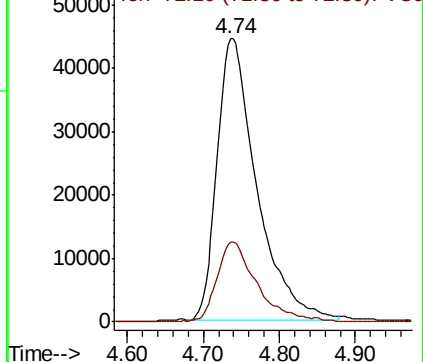


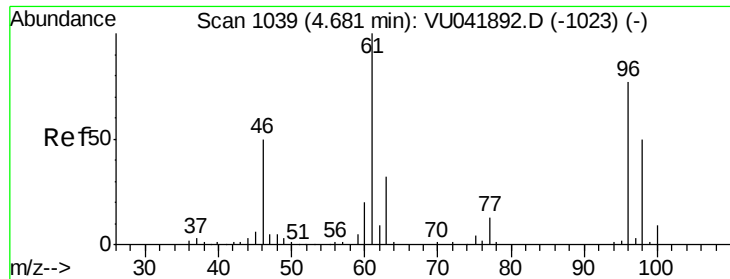
#21
 2-Butanone
 Concen: 55.502 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Tgt Ion: 43 Resp: 161672
 Ion Ratio Lower Upper
 43 100
 72 27.2 13.6 40.8



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: 5.395 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

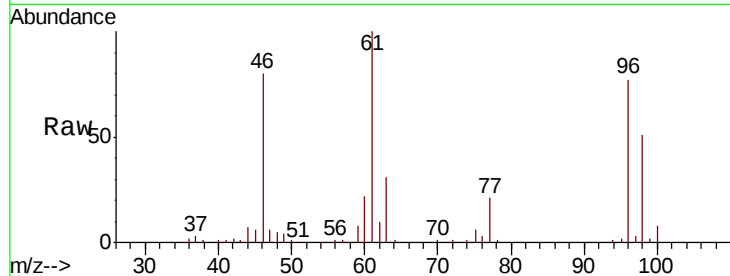
Tot Ion: 96 Resp: 53889

Ion Ratio Lower Upper

96 100

61 129.0 90.3 167.7

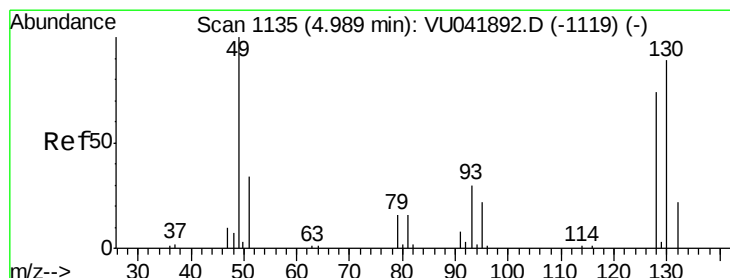
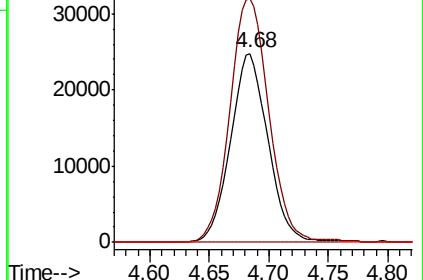
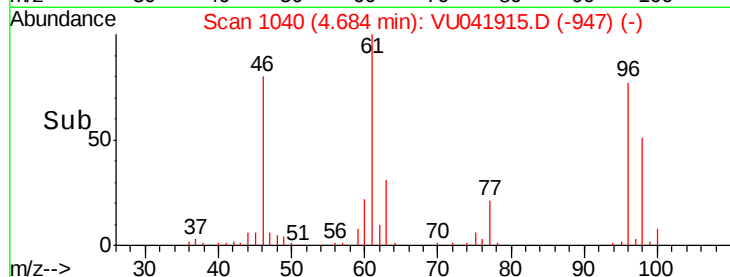
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041915.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041915.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041915.D (-947) (-)



#23

Bromochloromethane

Concen: 5.364 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Tgt Ion: 128 Resp: 25004

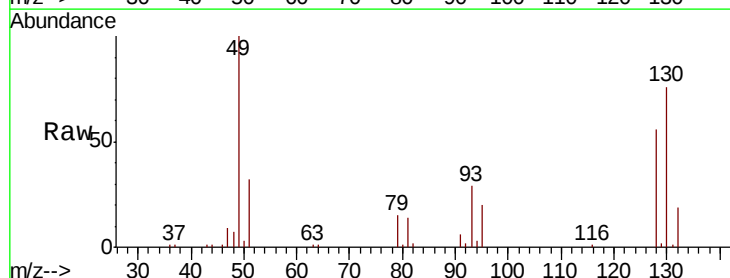
Ion Ratio Lower Upper

128 100

49 177.2 124.0 230.4

130 134.3 94.0 174.6

51 56.2 45.0 67.4

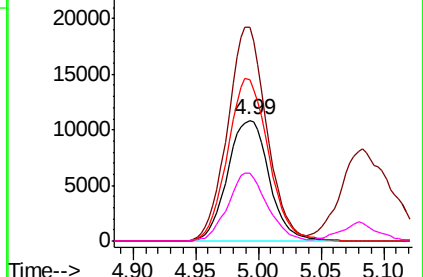
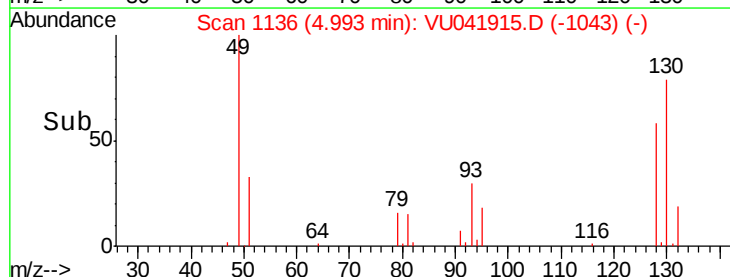


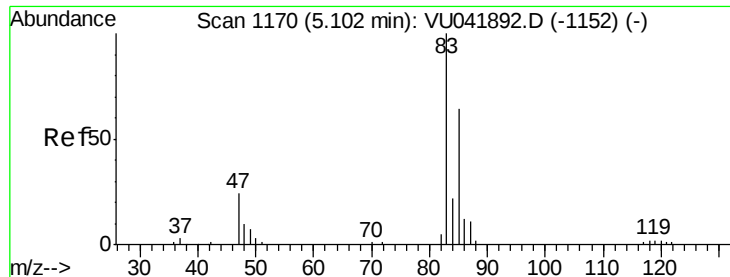
Abundance Ion 127.90 (127.60 to 128.60): VU041915.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU041915.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU041915.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU041915.D (-1043) (-)

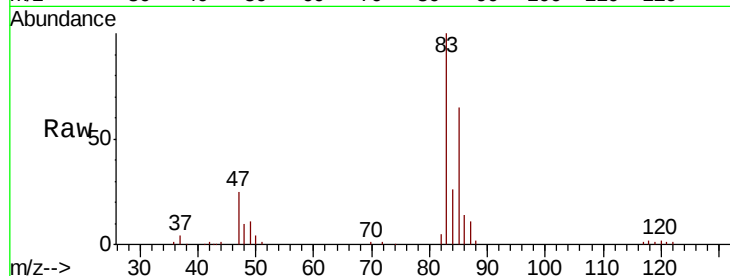




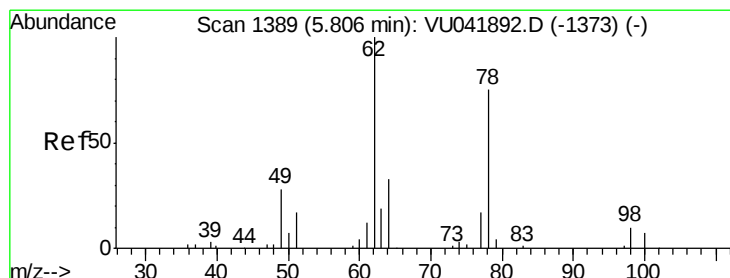
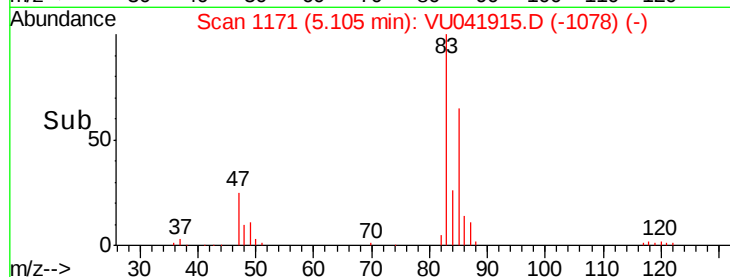
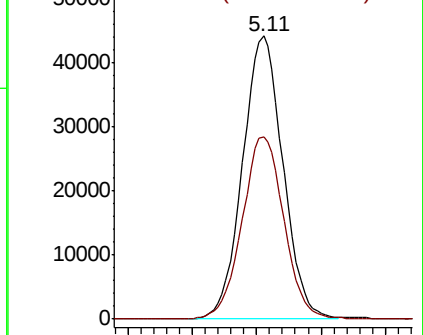
#25
Chloroform
Concen: 5.260 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion: 83 Resp: 96241
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9

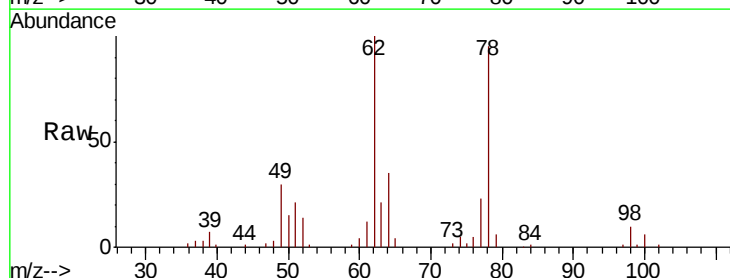


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

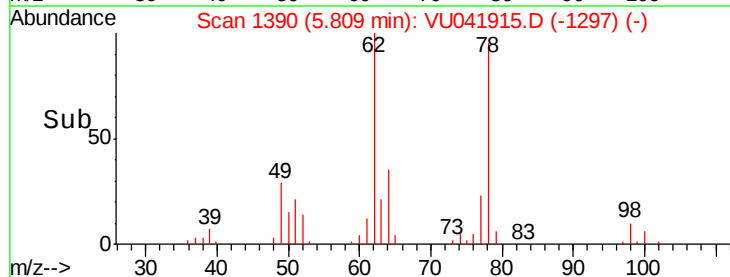
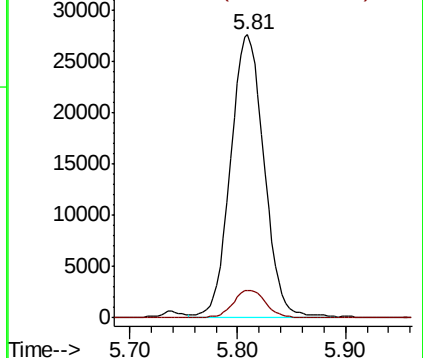


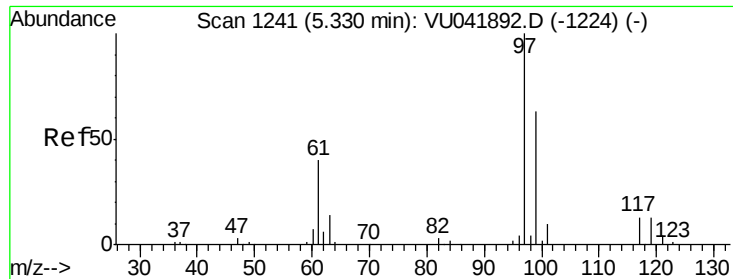
#27
1,2-Dichloroethane
Concen: 5.098 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

Tgt Ion: 62 Resp: 59787
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0

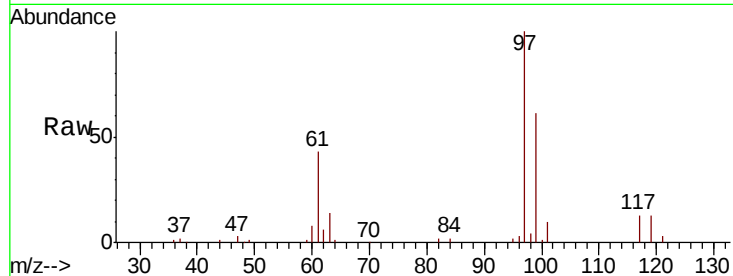




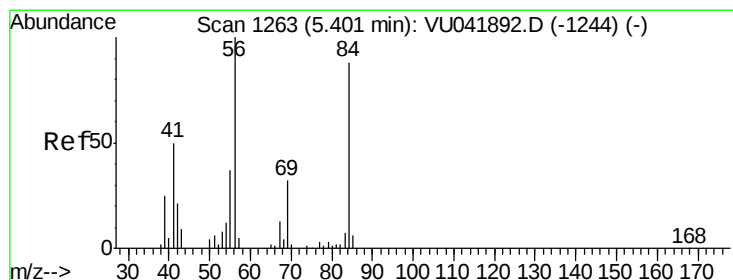
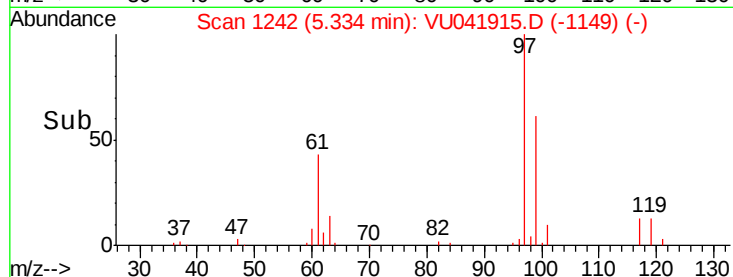
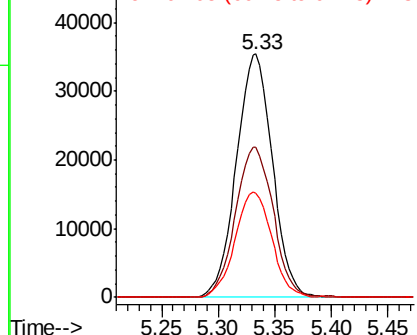
#29
 1,1,1-Trichloroethane
 Concen: 5.041 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion: 97 Resp: 78680
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.4 77.2
 61 44.1 35.3 52.9

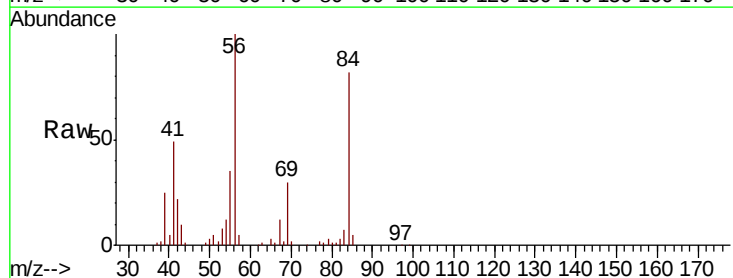


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

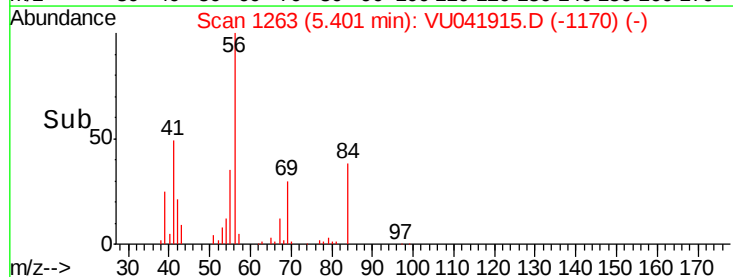
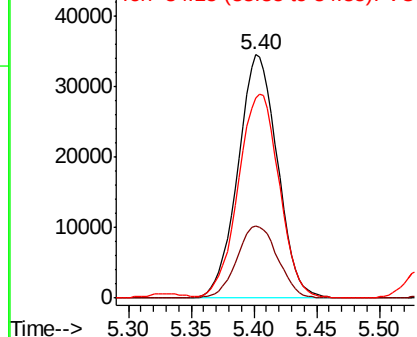


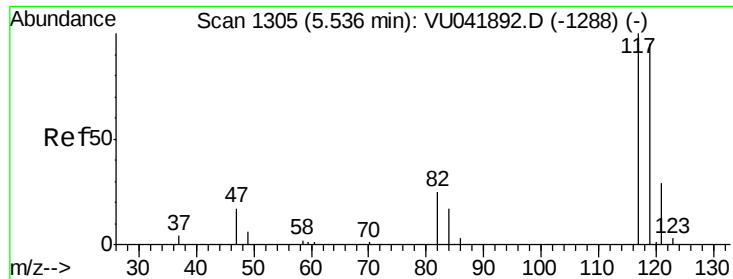
#30
 Cyclohexane
 Concen: 5.161 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Tgt Ion: 56 Resp: 75476
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.4 36.6
 84 87.2 69.8 104.6



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

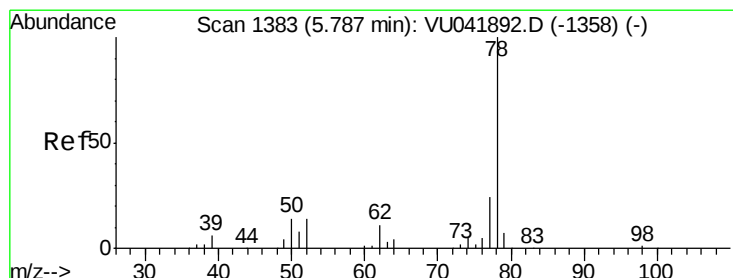
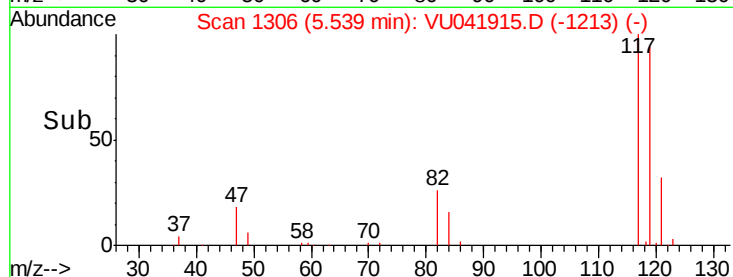
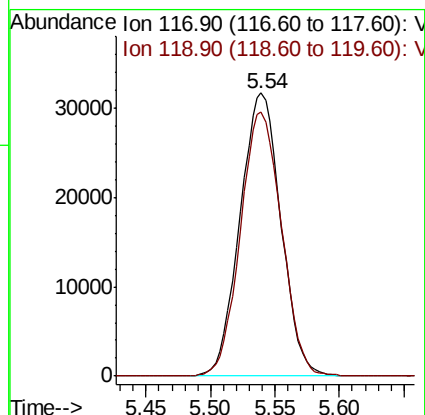
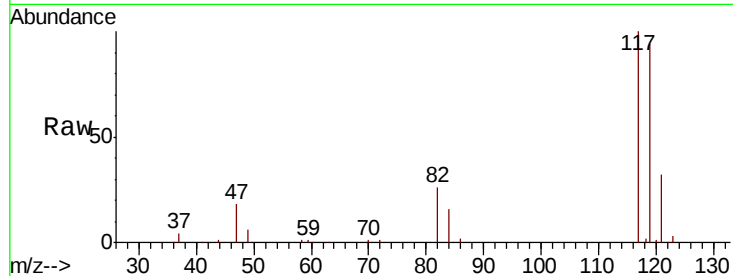




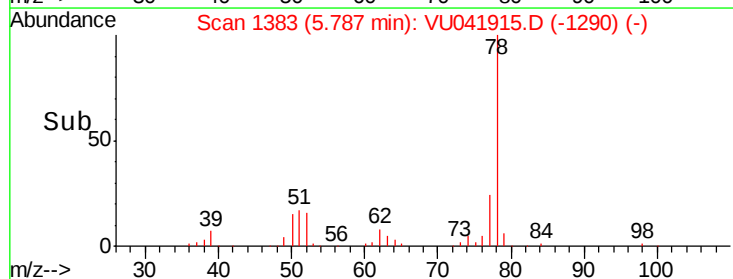
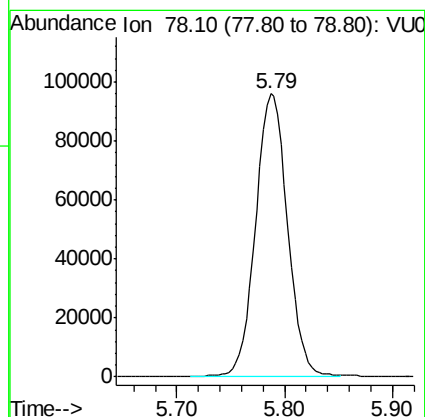
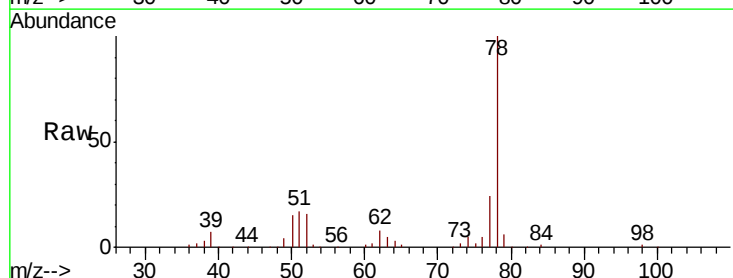
#31
Carbon tetrachloride
Concen: 5.190 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

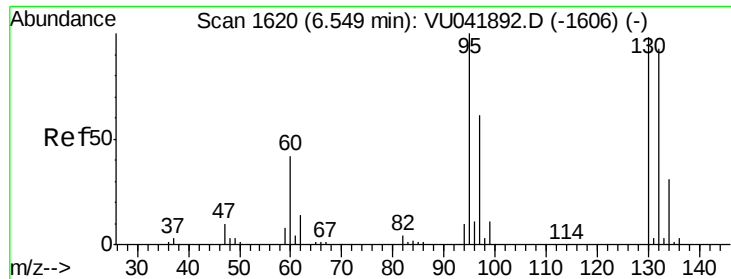
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion:117 Resp: 70011
Ion Ratio Lower Upper
117 100
119 93.7 75.0 112.4



#33
Benzene
Concen: 5.123 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30
Tgt Ion: 78 Resp: 197515

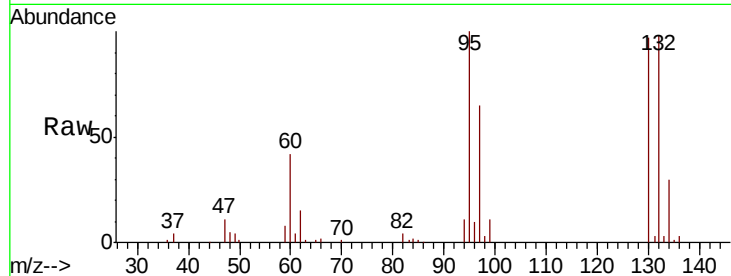




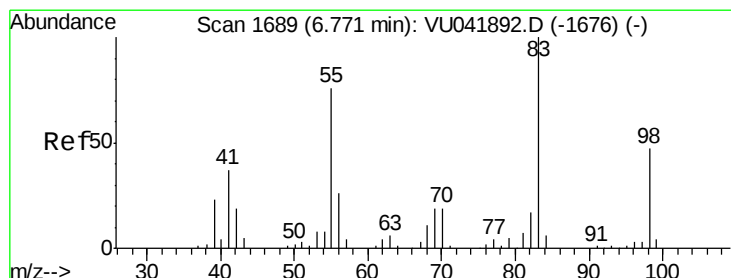
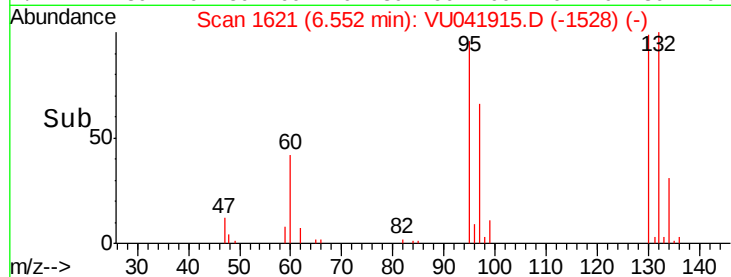
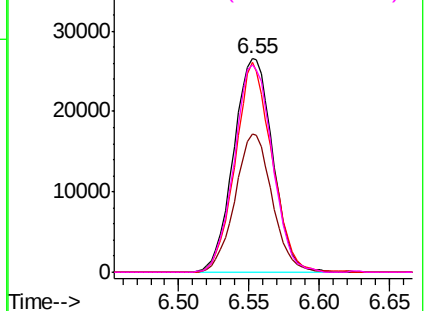
#34
 Trichloroethene
 Concen: 5.112 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion: 95 Resp: 51725
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.2 84.0
 132 98.1 68.7 127.5
 130 97.2 68.0 126.4

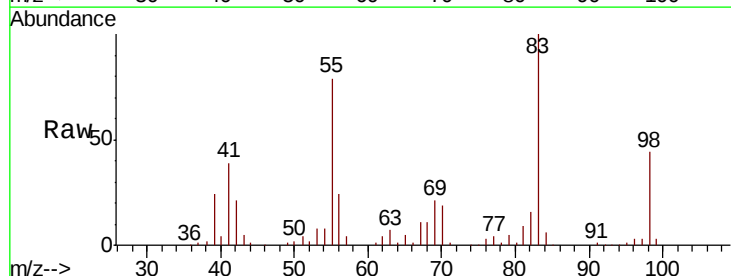


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

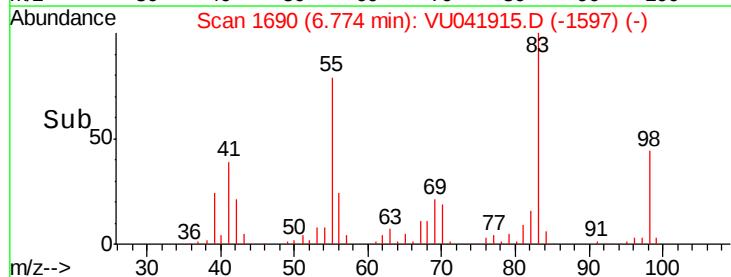
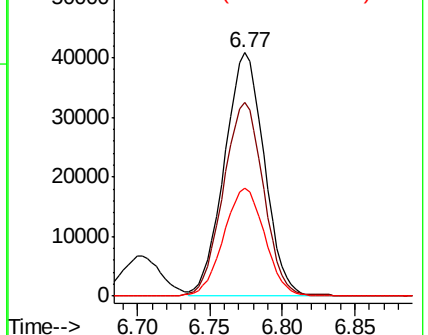


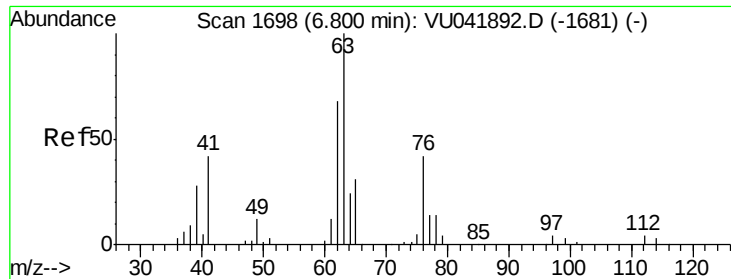
#35
 Methylcyclohexane
 Concen: 5.238 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Tgt Ion: 83 Resp: 77907
 Ion Ratio Lower Upper
 83 100
 55 80.4 64.3 96.5
 98 45.7 36.6 54.8



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

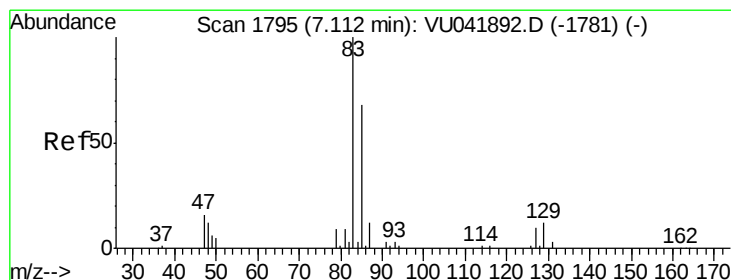
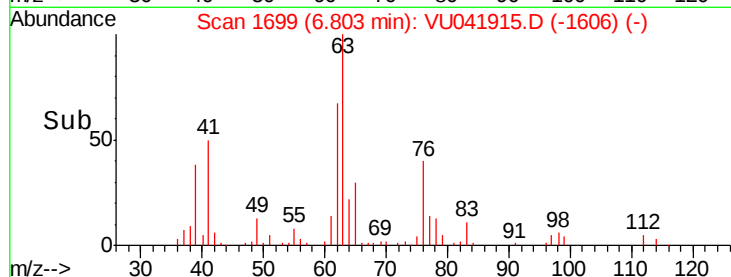
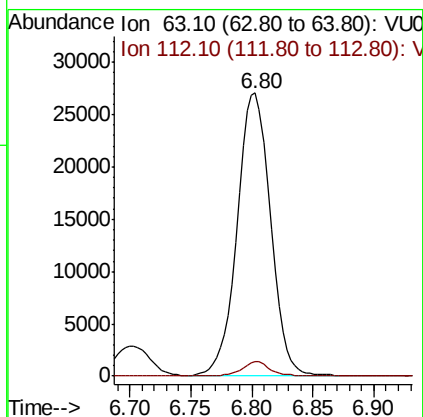
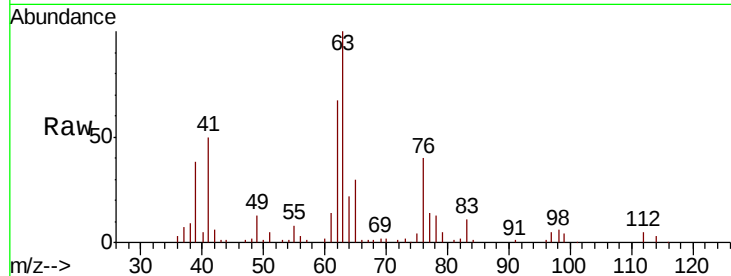




#37
 1,2-Dichloropropane
 Concen: 5.338 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

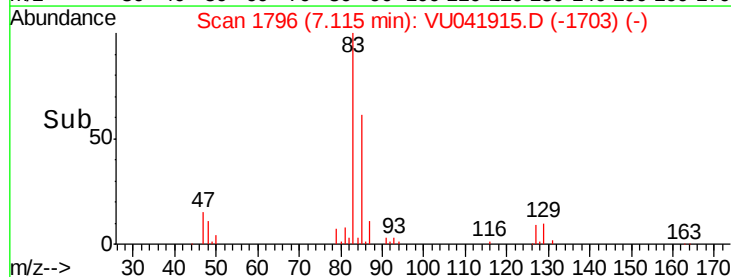
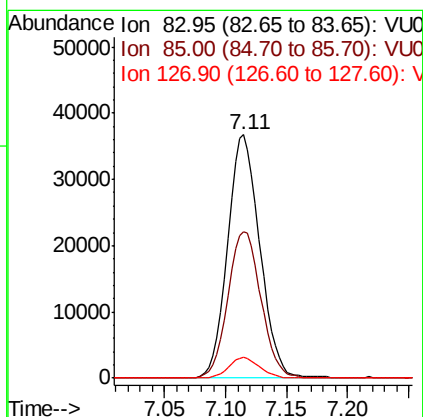
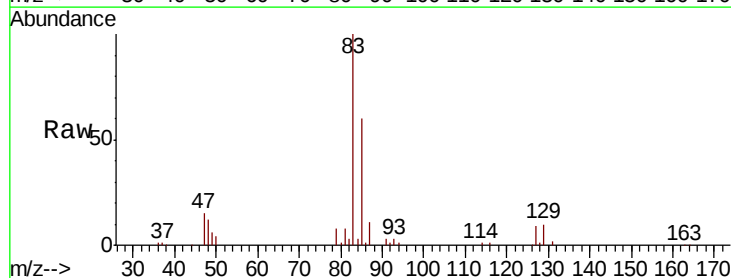
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

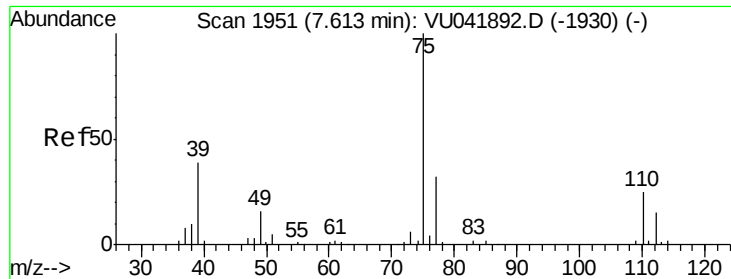
Tot Ion: 63 Resp: 51317
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.258 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Tgt Ion: 83 Resp: 67639
 Ion Ratio Lower Upper
 83 100
 85 60.2 42.1 78.3
 127 8.7 7.0 10.4

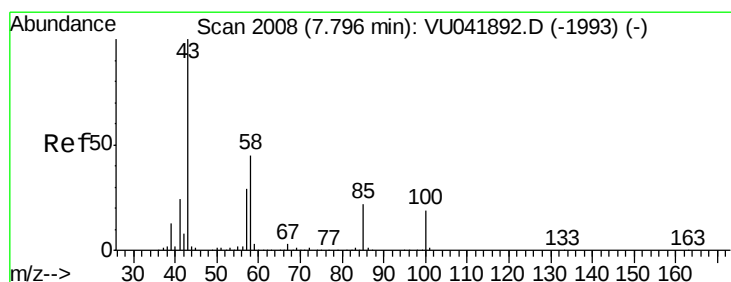
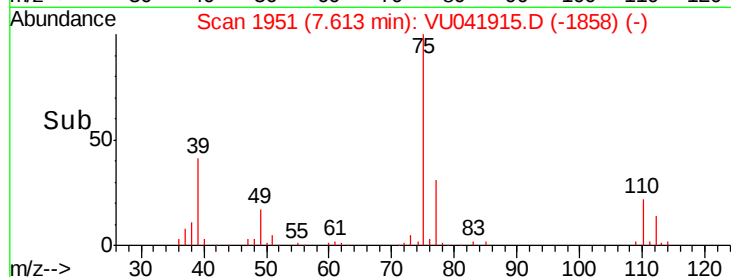
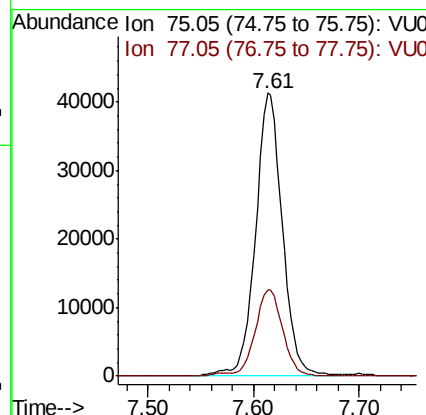
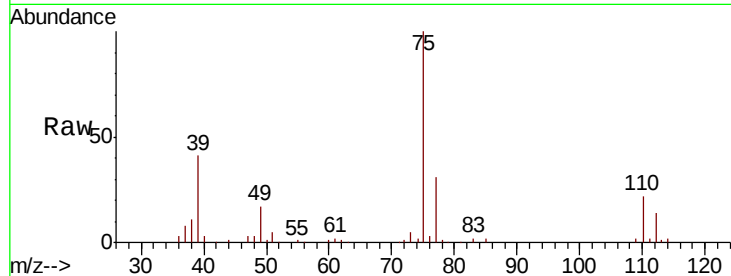




#39
 cis-1,3-Dichloropropene
 Concen: 5.171 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

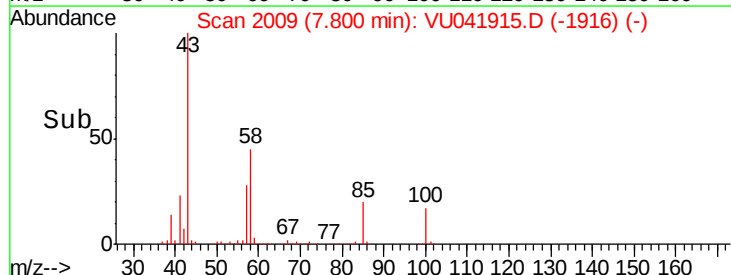
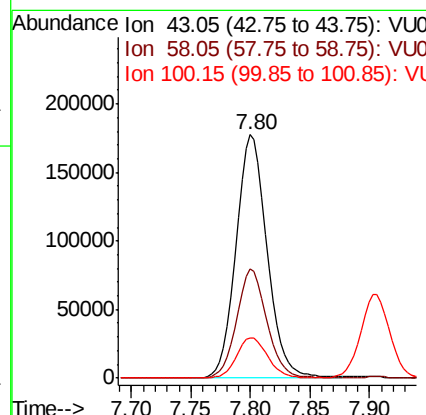
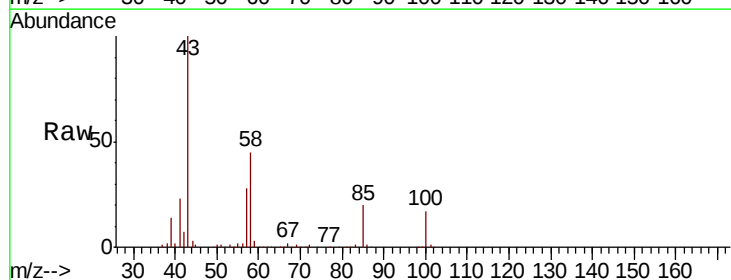
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

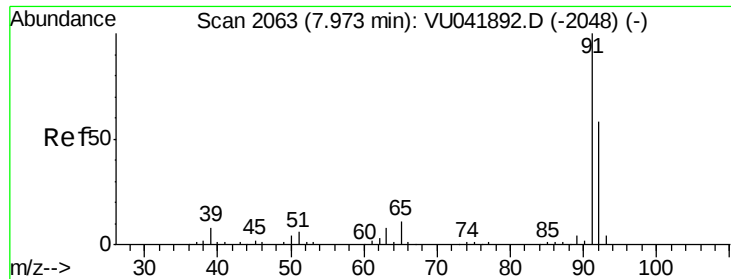
Tot Ion: 75 Resp: 73392
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 52.668 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Tgt Ion: 43 Resp: 321431
 Ion Ratio Lower Upper
 43 100
 58 43.7 35.0 52.4
 100 16.6 13.3 19.9





#42

Toluene

Concen: 5.352 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampleId :

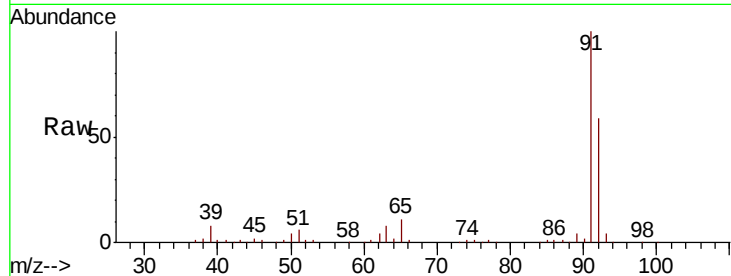
VSTD00504

Tot Ion: 91 Resp: 213171

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU041892.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041892.D (-2048) (-)

7.98

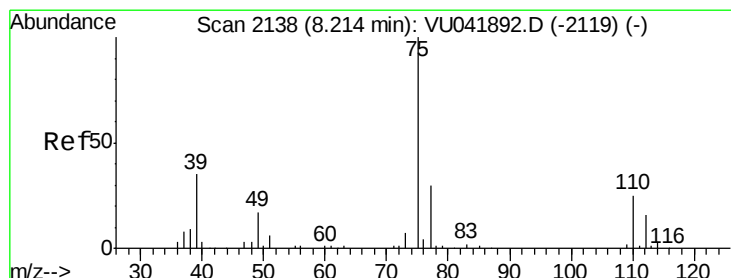
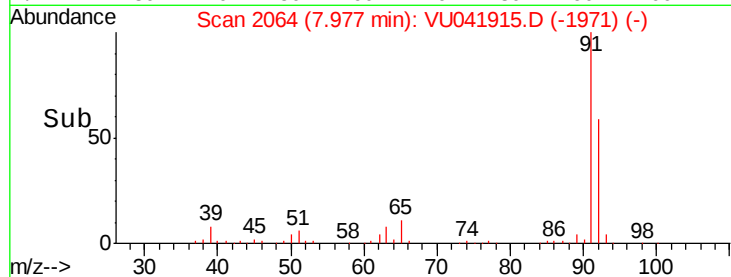
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.251 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041915.D

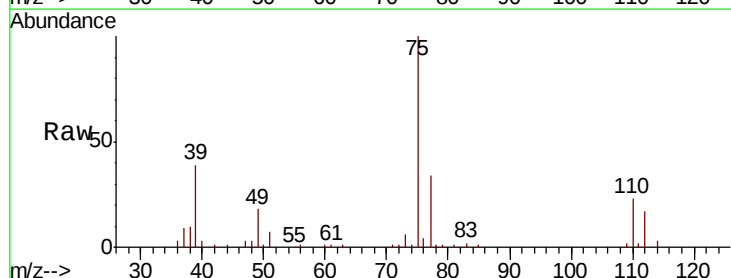
Acq: 11 Jan 2021 12:30

Tgt Ion: 75 Resp: 65930

Ion Ratio Lower Upper

75 100

77 33.9 23.7 44.1



Abundance Ion 75.05 (74.75 to 75.75): VU041892.D (-2119) (-)

Ion 77.05 (76.75 to 77.75): VU041892.D (-2119) (-)

8.22

40000

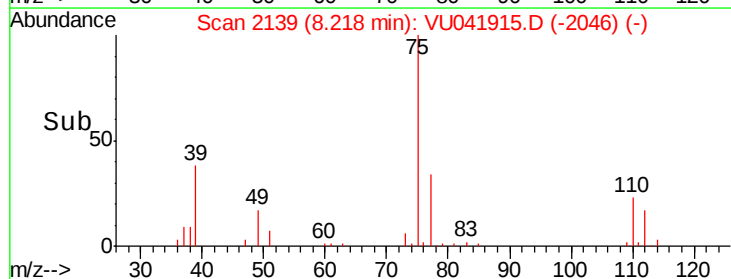
30000

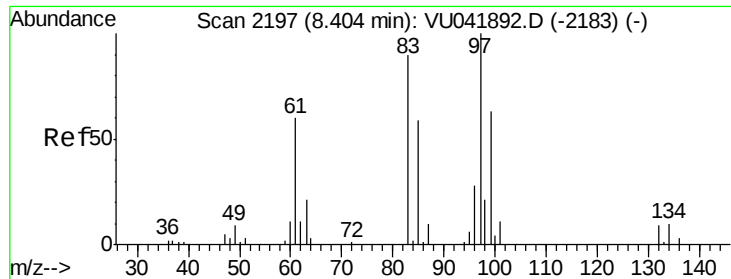
20000

10000

0

Time-->

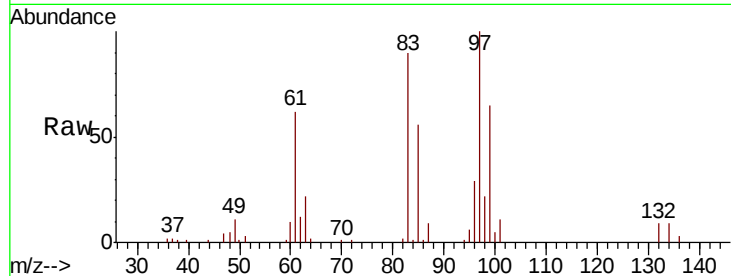




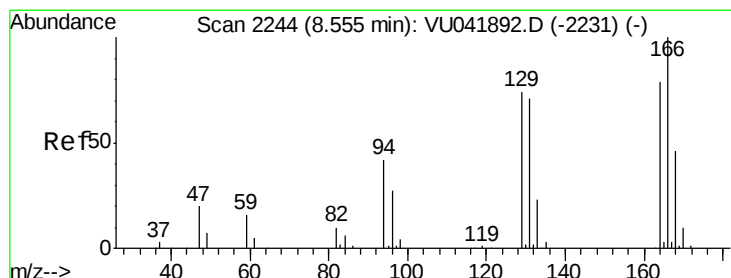
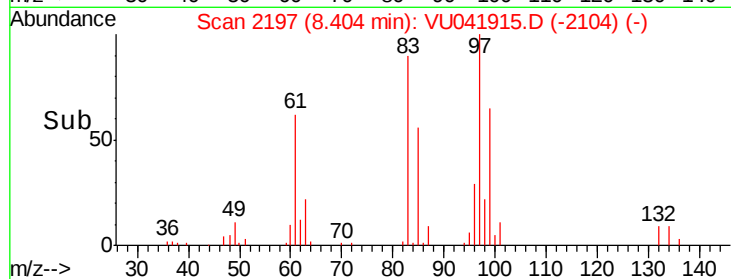
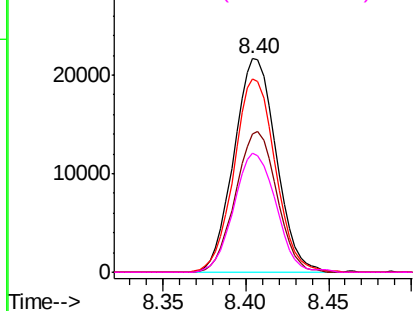
#45
 1,1,2-Trichloroethane
 Concen: 5.236 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion:	97	Resp:	38592
Ion	Ratio	Lower	Upper
97	100		
99	64.5	45.1	83.9
83	90.5	63.3	117.7
85	56.0	39.2	72.8

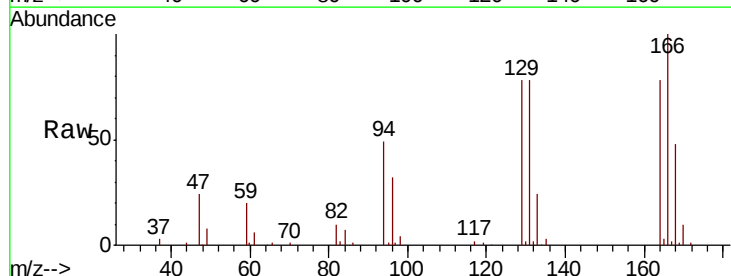


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

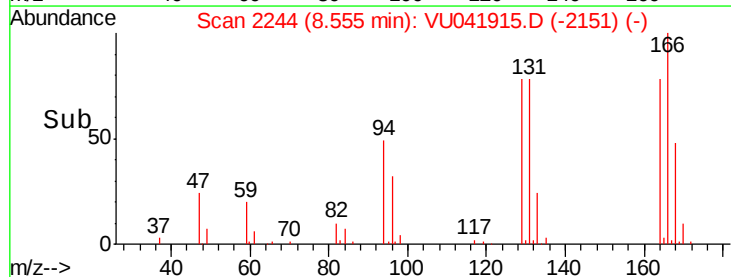
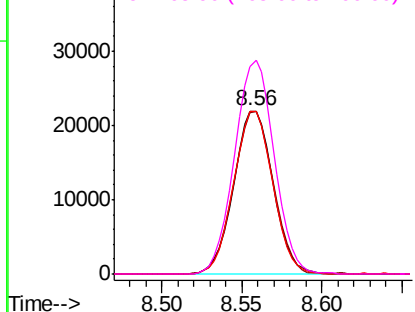


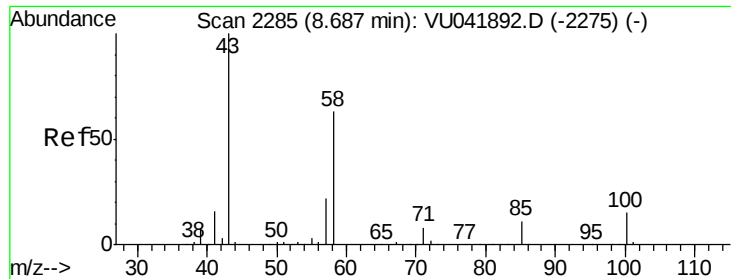
#47
 Tetrachloroethene
 Concen: 5.226 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Tgt Ion:	164	Resp:	36793
Ion	Ratio	Lower	Upper
164	100		
129	98.9	69.2	128.6
131	99.6	69.7	129.5
166	127.5	89.2	165.8



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

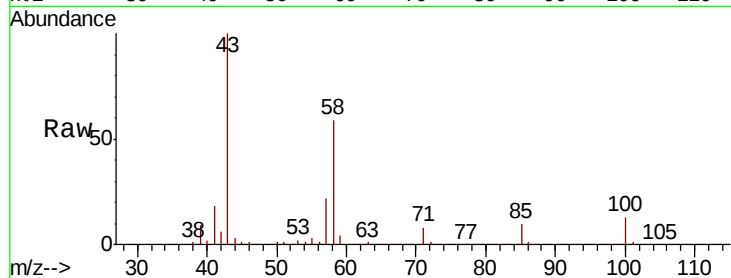




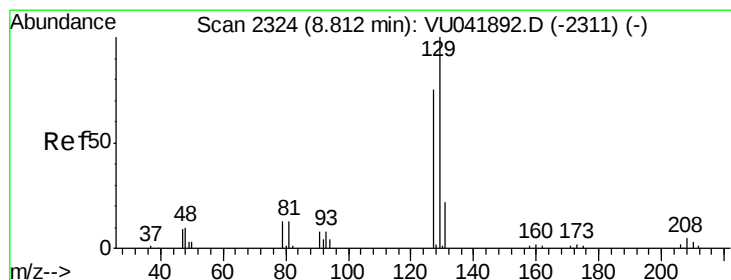
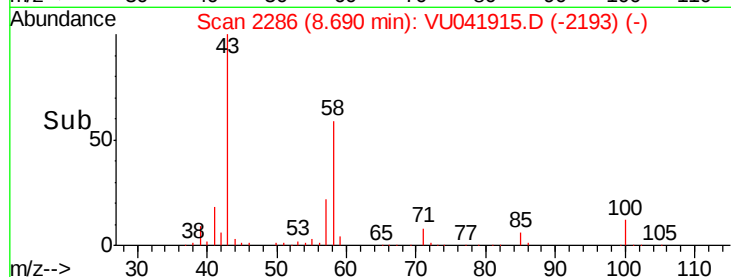
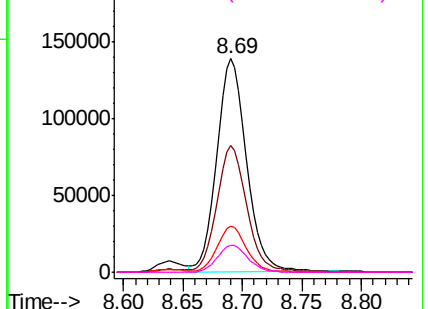
#48
2-Hexanone
Concen: 53.687 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion: 43 Resp: 241527
Ion Ratio Lower Upper
43 100
58 59.5 47.6 71.4
57 21.4 17.1 25.7
100 13.0 10.4 15.6

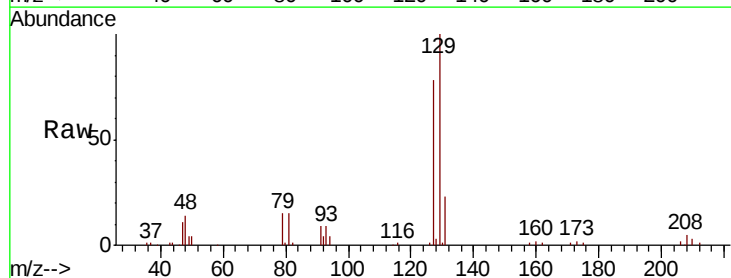


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

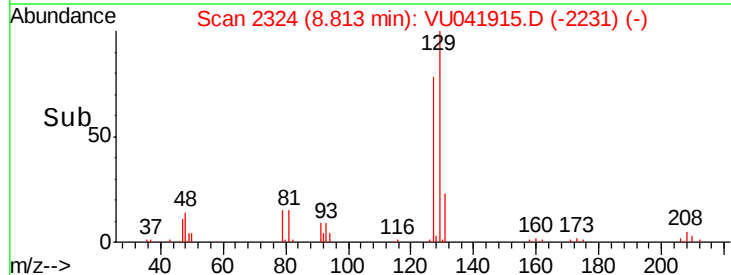
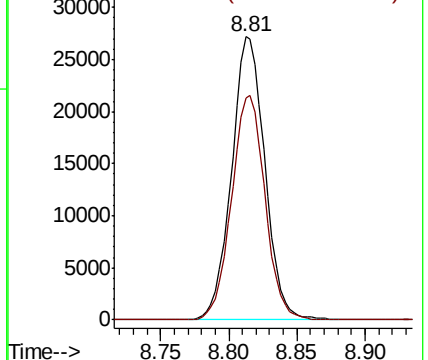


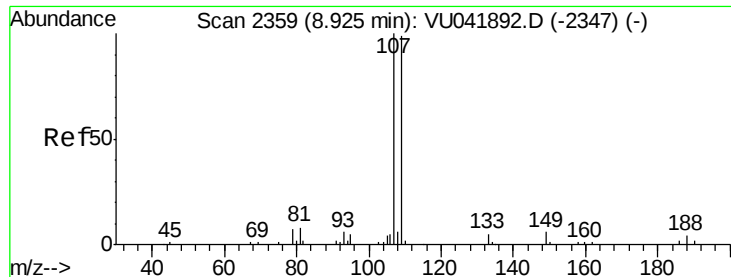
#49
Dibromochloromethane
Concen: 5.127 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

Tgt Ion: 129 Resp: 45987
Ion Ratio Lower Upper
129 100
127 78.4 54.9 101.9



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

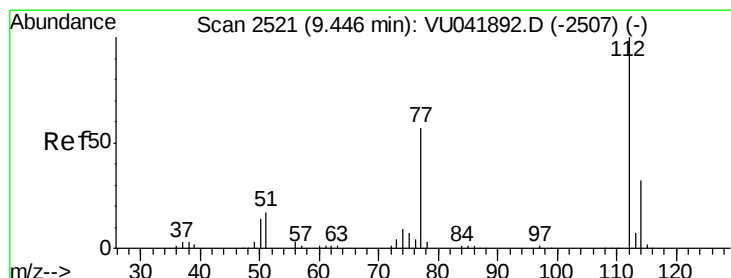
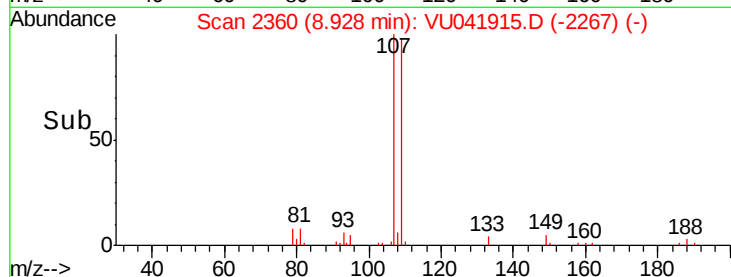
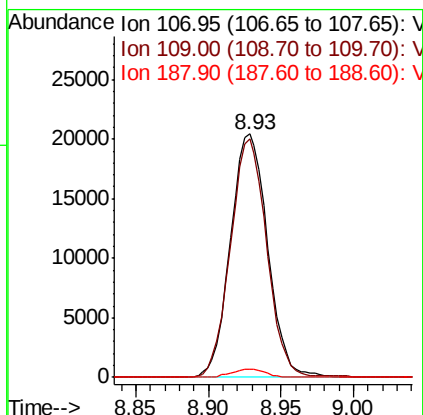
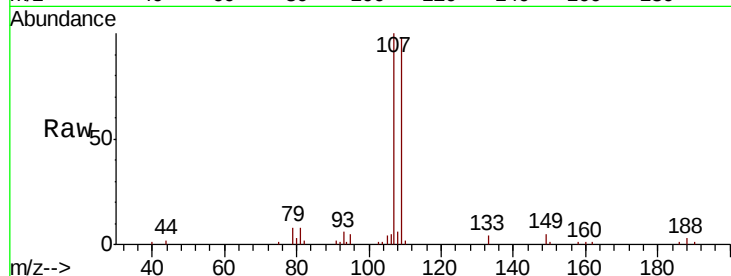




#50
1,2-Dibromoethane
Concen: 5.233 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

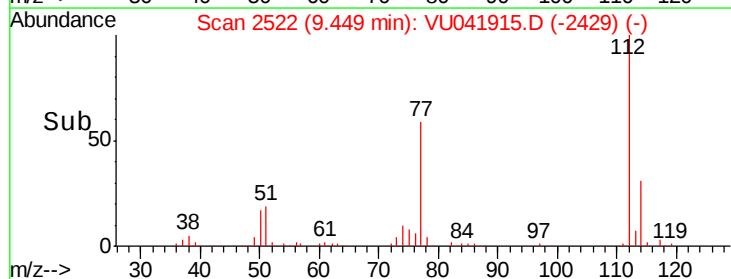
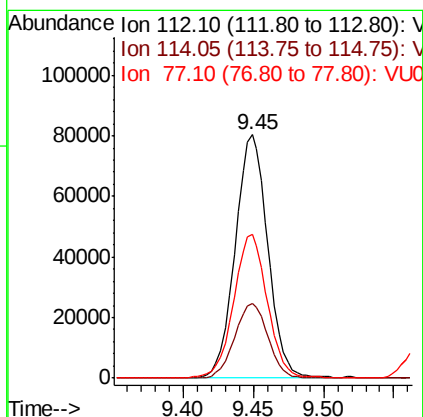
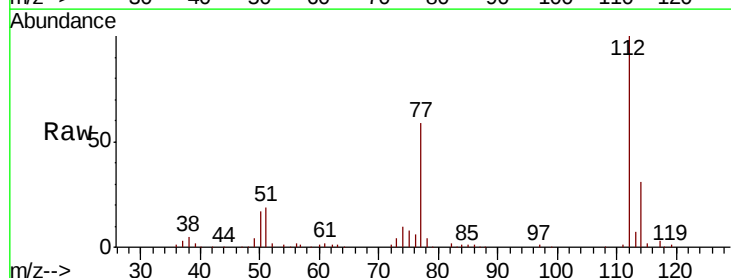
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

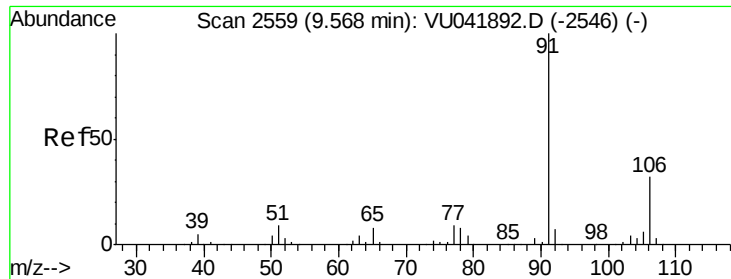
Tot Ion:107 Resp: 36356
Ion Ratio Lower Upper
107 100
109 97.8 68.5 127.1
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 5.197 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

Tgt Ion:112 Resp: 130301
Ion Ratio Lower Upper
112 100
114 30.7 21.5 39.9
77 59.1 47.3 70.9





#52

Ethylbenzene

Concen: 5.264 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampleId :

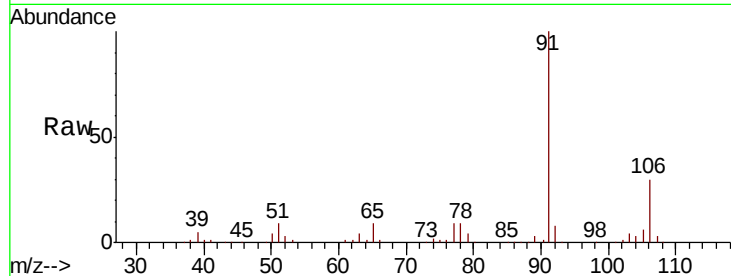
VSTD00504

Tot Ion: 91 Resp: 220835

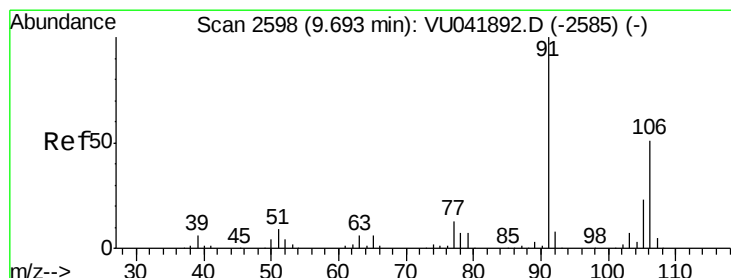
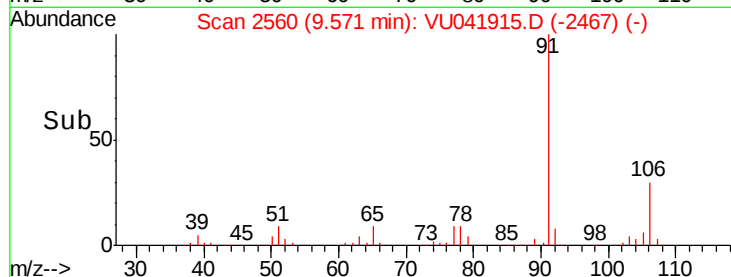
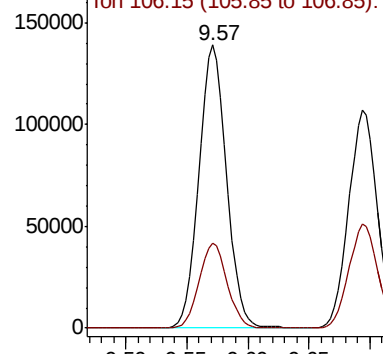
Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VU041915.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.388 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041915.D

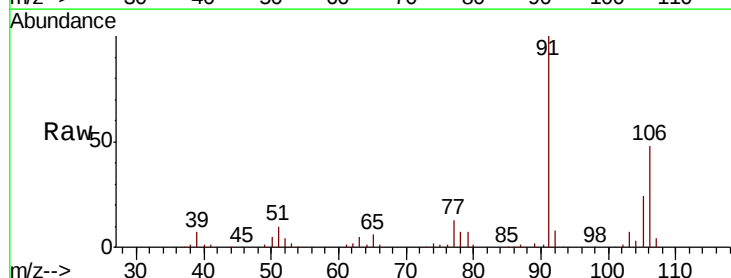
Acq: 11 Jan 2021 12:30

Tgt Ion: 106 Resp: 83680

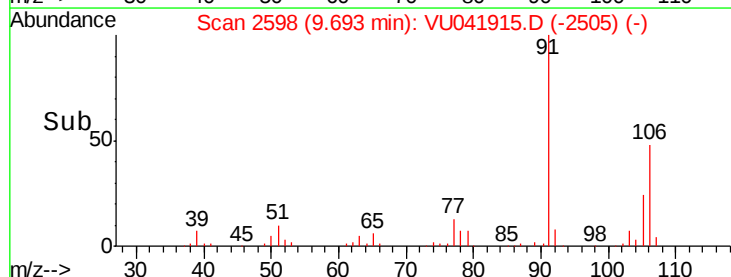
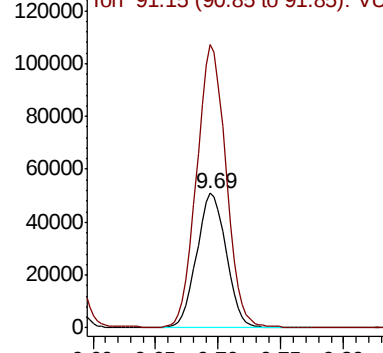
Ion Ratio Lower Upper

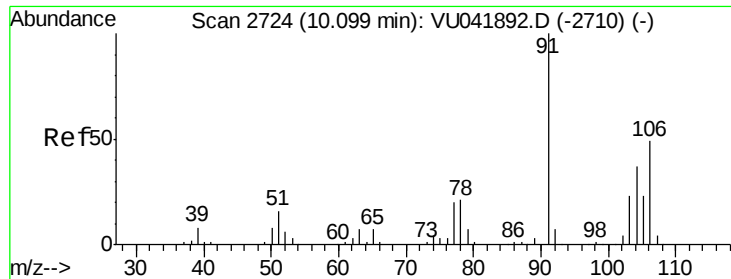
106 100

91 210.3 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU041915.D (-2585) (-)

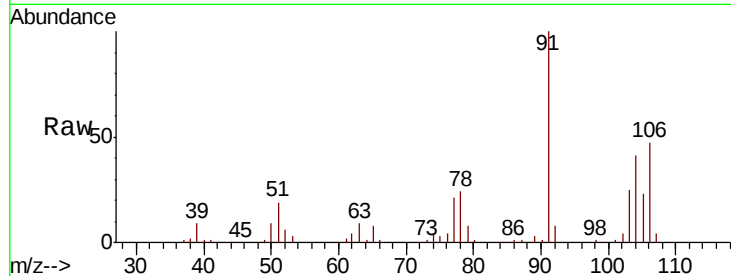




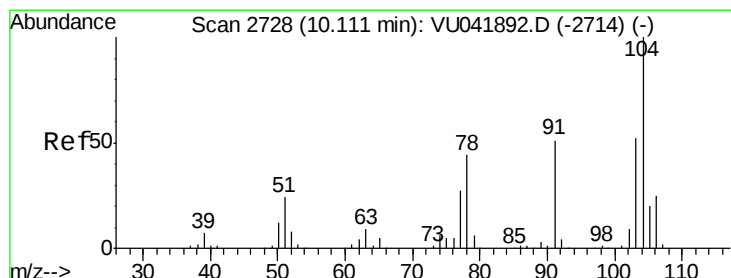
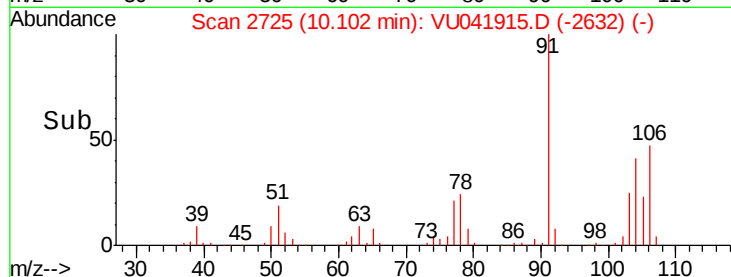
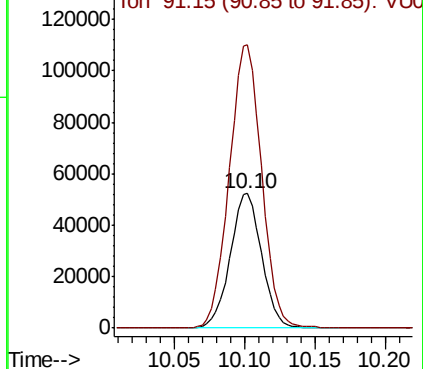
#54
o-Xylene
Concen: 5.436 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion:106 Resp: 81586
Ion Ratio Lower Upper
106 100
91 210.5 147.3 273.6

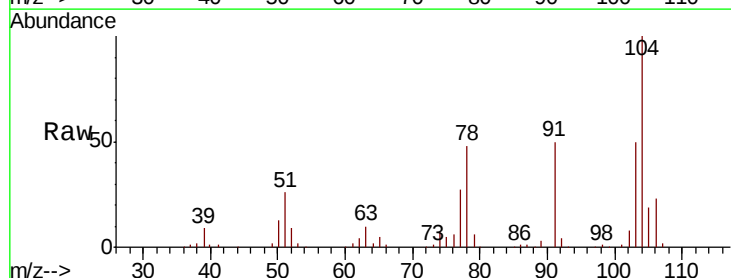


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

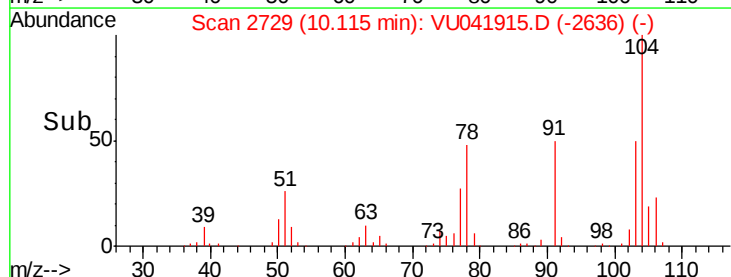
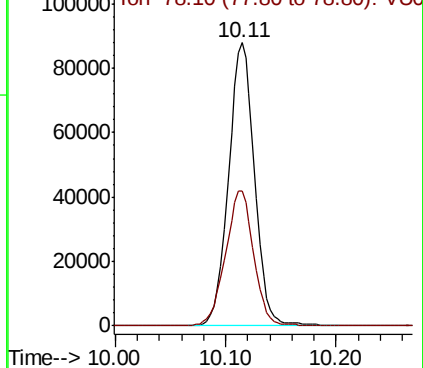


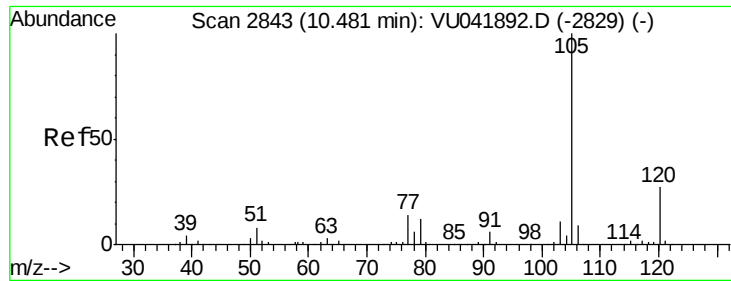
#55
Styrene
Concen: 5.490 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041915.D
Acq: 11 Jan 2021 12:30

Tgt Ion:104 Resp: 143251
Ion Ratio Lower Upper
104 100
78 47.6 33.3 61.9



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





#56

Isopropylbenzene

Concen: 5.346 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

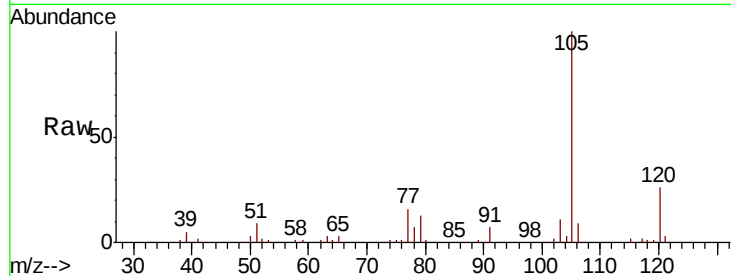
Tot Ion:105 Resp: 215459

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

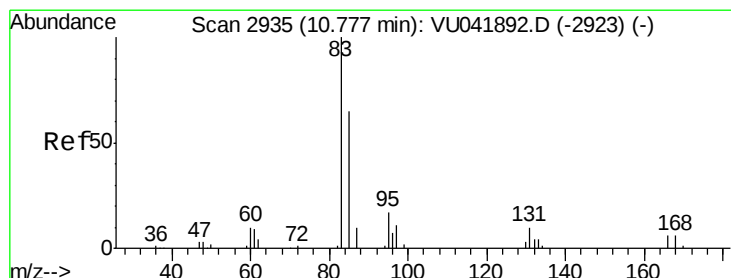
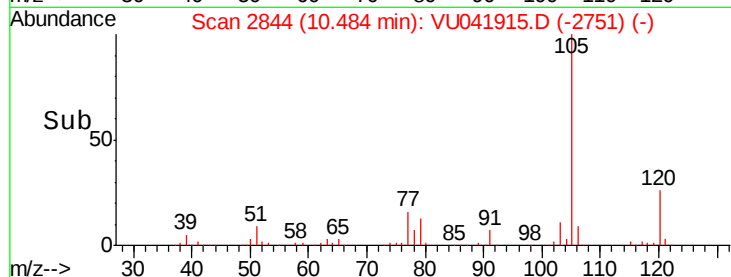
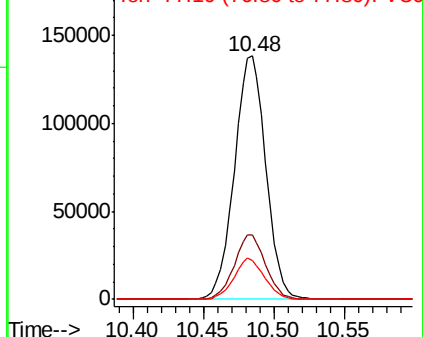
77 16.3 13.0 19.6



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: 5.144 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

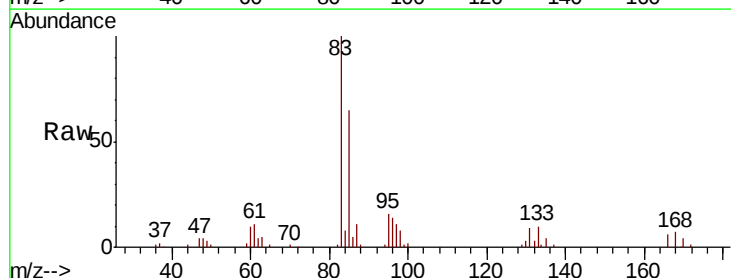
Tgt Ion: 83 Resp: 49543

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

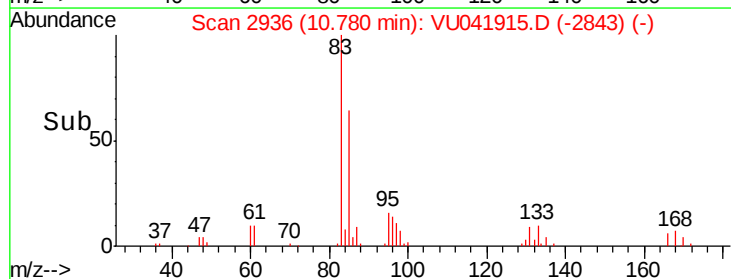
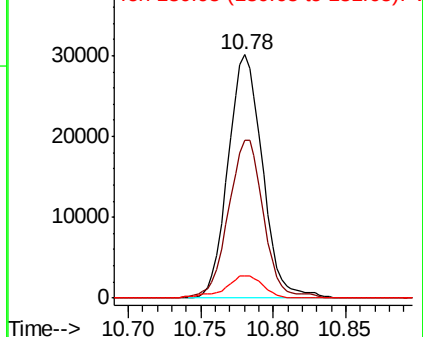
131 9.3 7.4 11.2

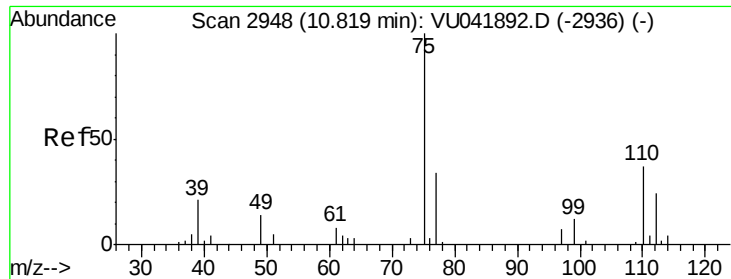


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

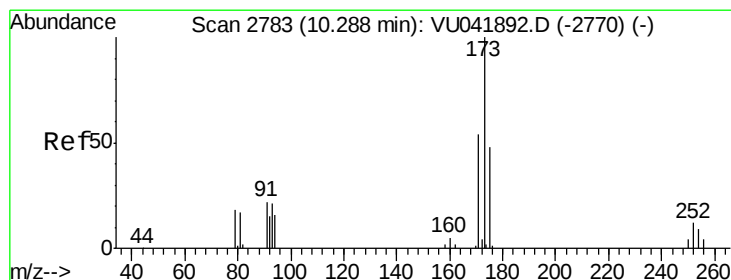
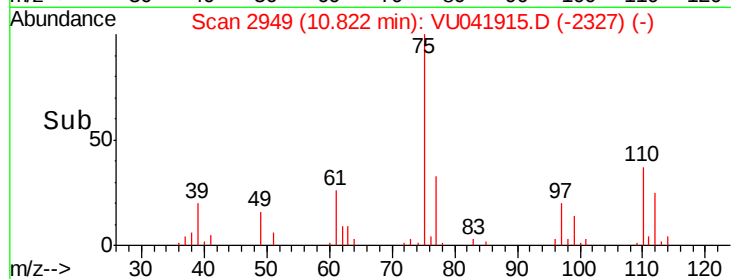
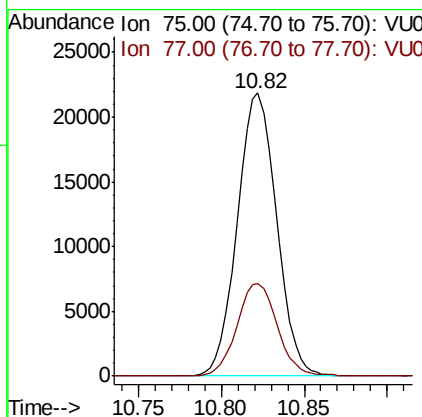
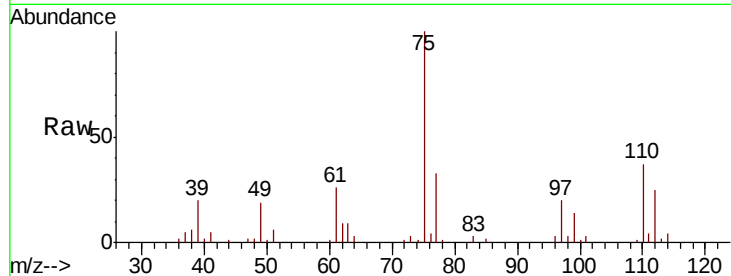




#59
 1,2,3-Trichloropropane
 Concen: 5.134 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

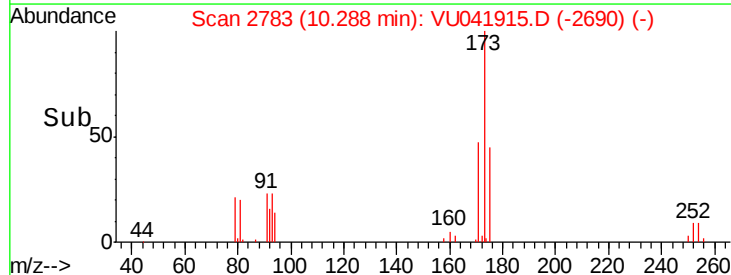
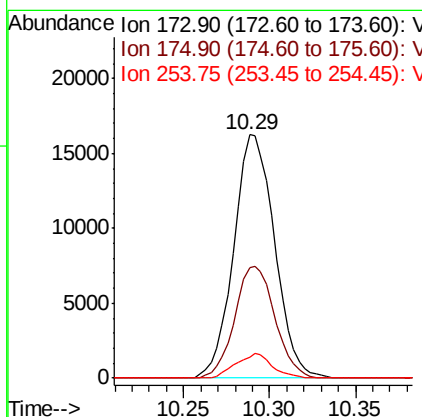
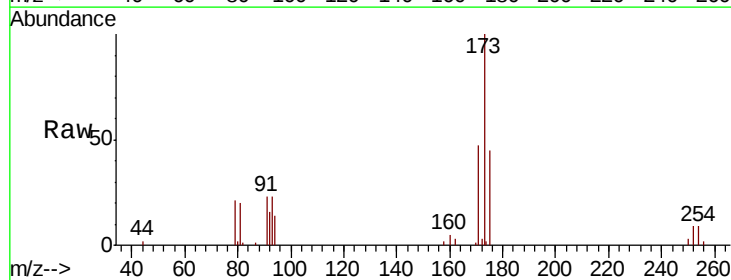
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

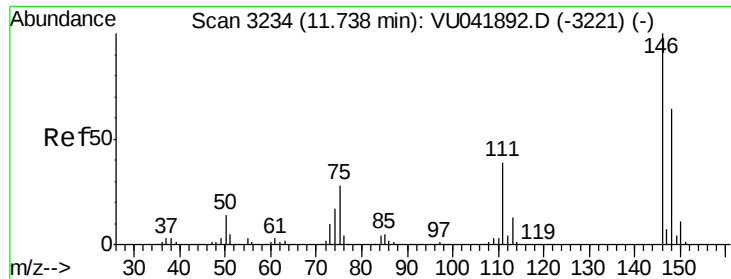
Tot Ion: 75 Resp: 36049
 Ion Ratio Lower Upper
 75 100
 77 33.7 27.0 40.4



#61
 Bromoform
 Concen: 5.192 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Tgt Ion: 173 Resp: 26920
 Ion Ratio Lower Upper
 173 100
 175 45.1 36.1 54.1
 254 8.9 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 5.313 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

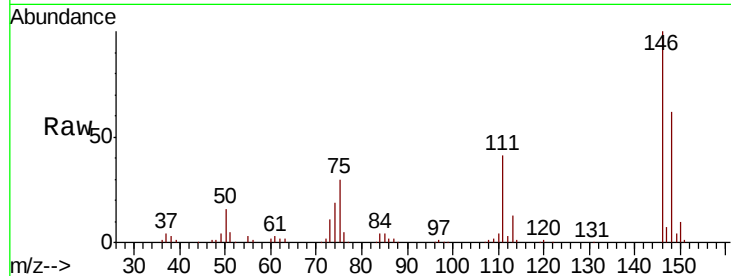
Tot Ion:146 Resp: 103180

Ion Ratio Lower Upper

146 100

111 41.0 28.7 53.3

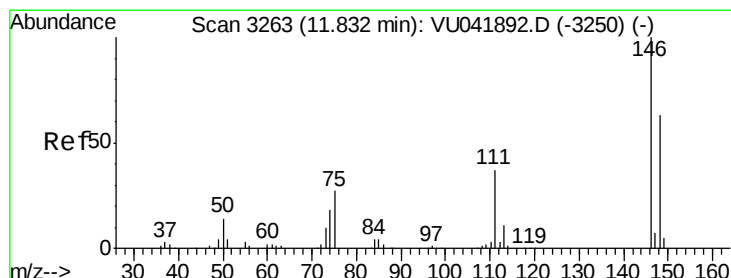
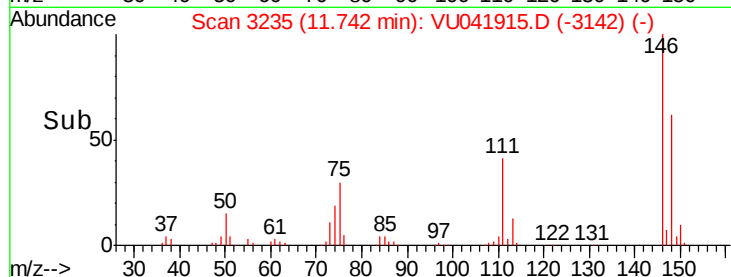
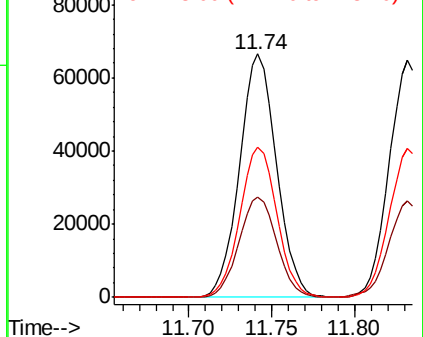
148 61.7 43.2 80.2



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: 5.221 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

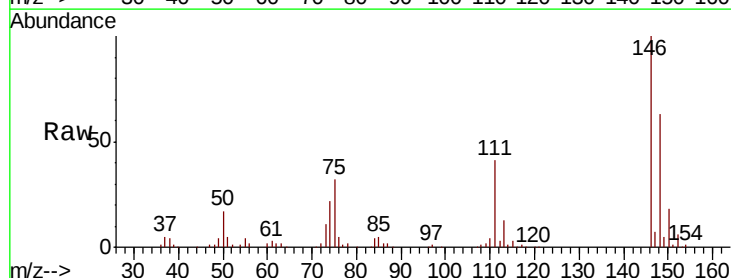
Tgt Ion:146 Resp: 101761

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

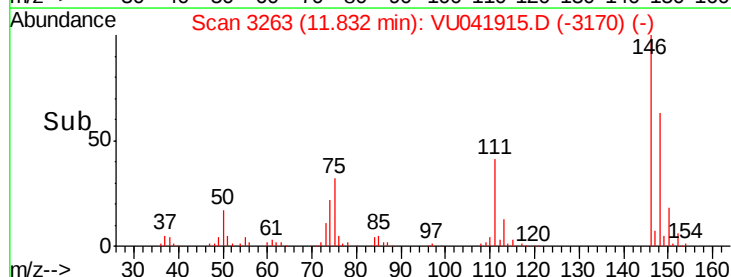
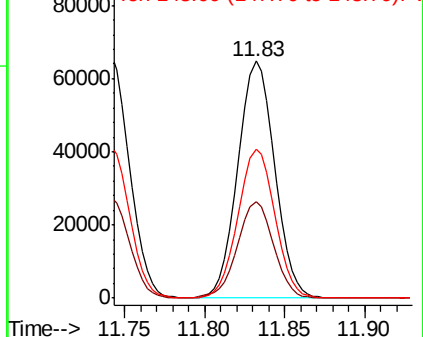
148 62.9 44.0 81.8

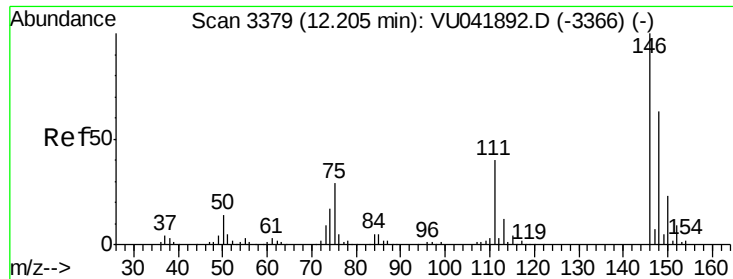


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.219 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

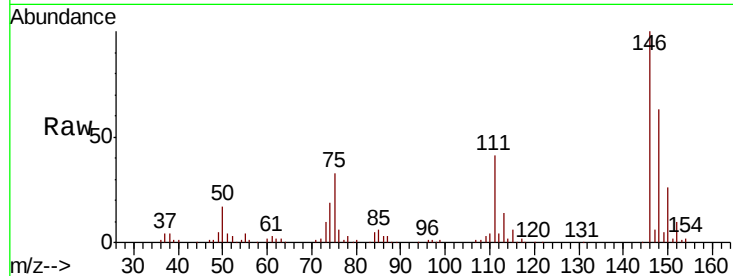
Tot Ion:146 Resp: 97567

Ion Ratio Lower Upper

146 100

111 40.5 32.4 48.6

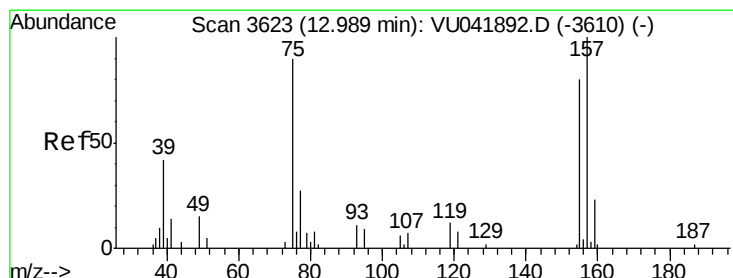
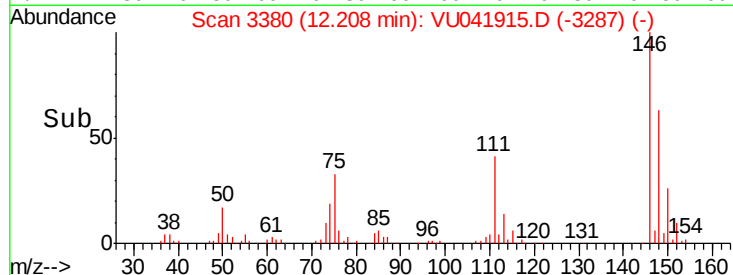
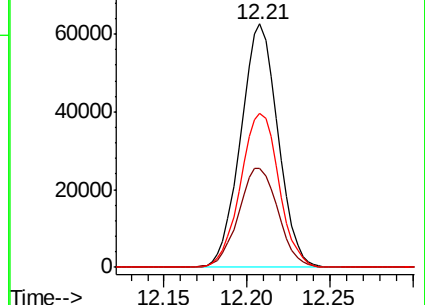
148 63.1 50.5 75.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.024 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

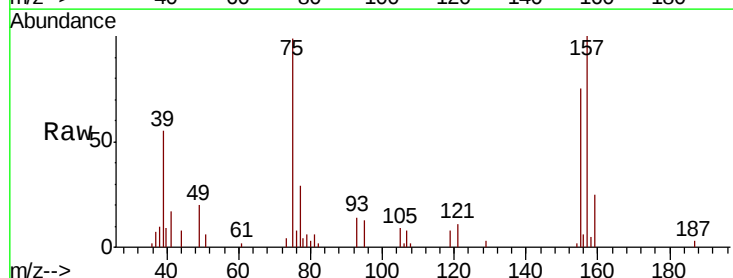
Tgt Ion: 75 Resp: 8530

Ion Ratio Lower Upper

75 100

155 75.8 60.6 91.0

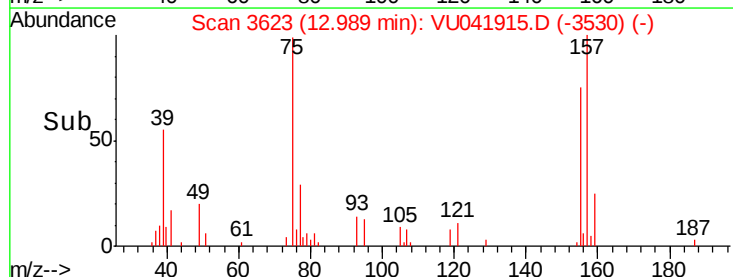
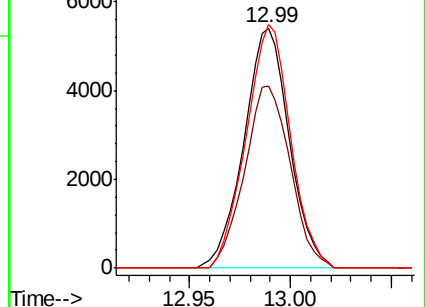
157 101.3 81.0 121.6

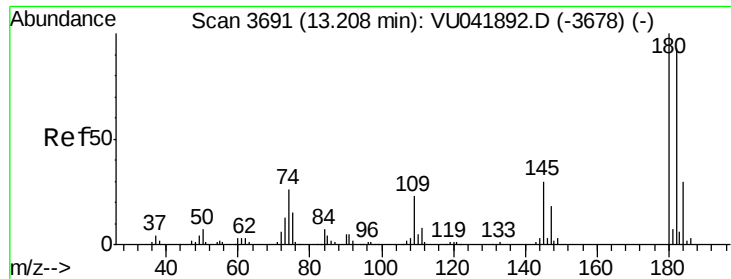


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

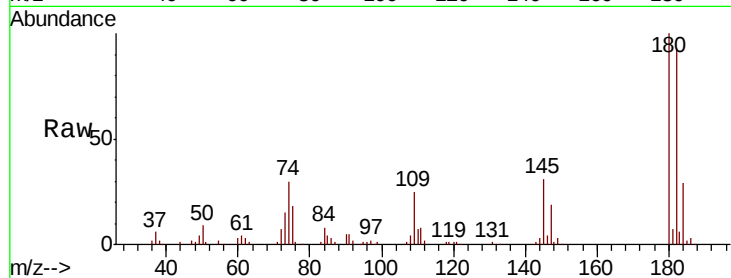




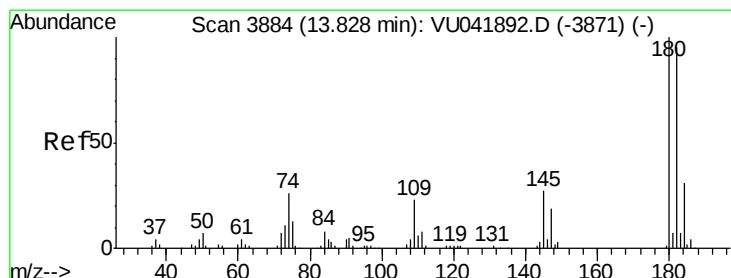
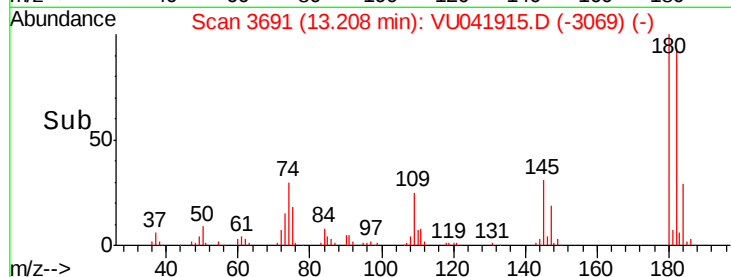
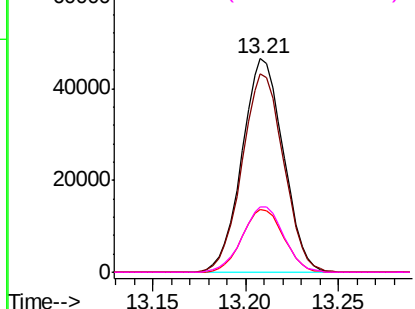
#67
 1,3,5-Trichlorobenzene
 Concen: 5.084 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion:180 Resp: 72092
 Ion Ratio Lower Upper
 180 100
 182 93.2 74.6 111.8
 184 29.7 23.8 35.6
 145 30.8 24.6 37.0

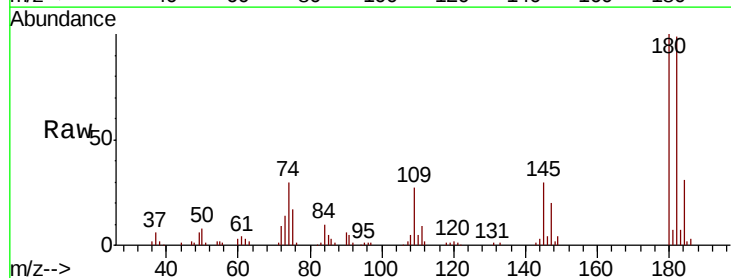


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

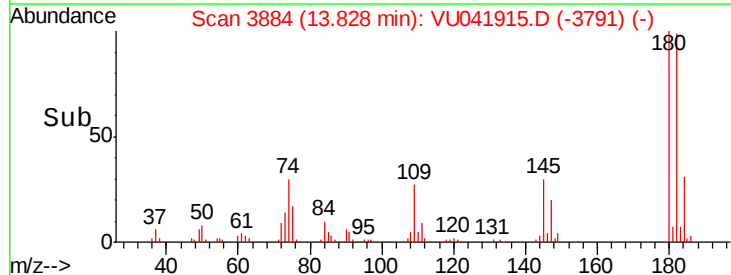
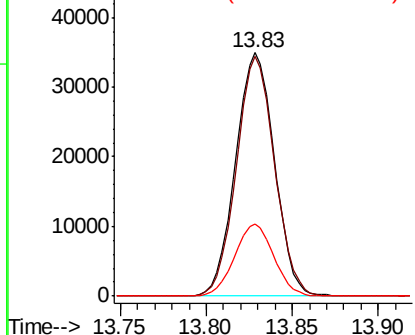


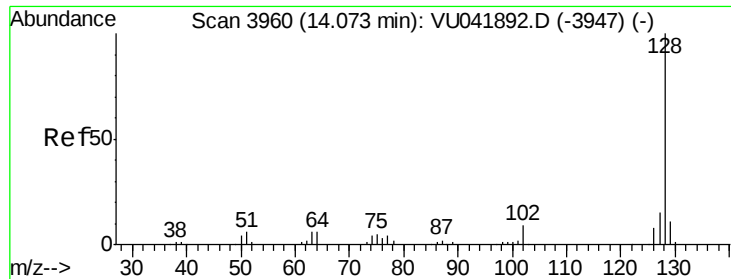
#68
 1,2,4-trichlorobenzene
 Concen: 5.147 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041915.D
 Acq: 11 Jan 2021 12:30

Tgt Ion:180 Resp: 55010
 Ion Ratio Lower Upper
 180 100
 182 96.5 77.2 115.8
 145 29.7 23.8 35.6



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: 5.266 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

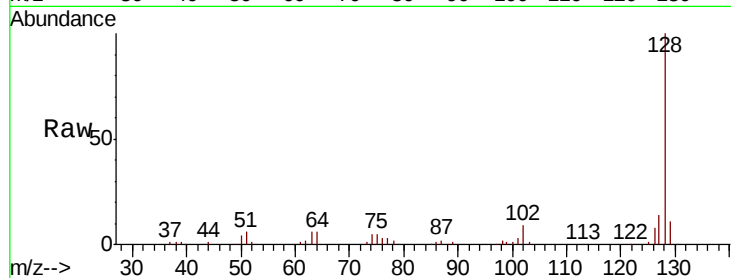
Tot Ion:128 Resp: 95429

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.4 10.7 16.1

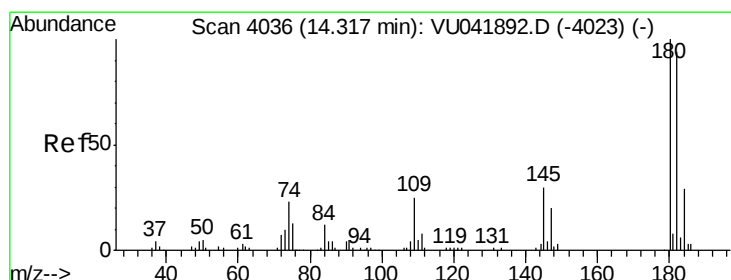
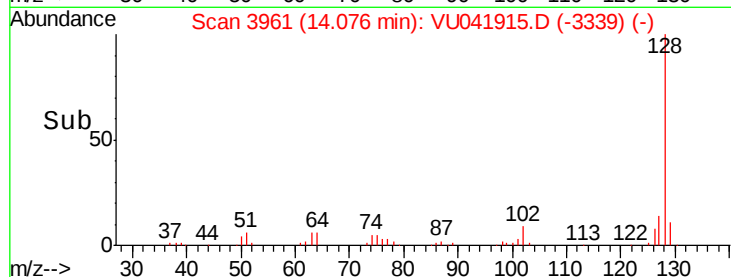
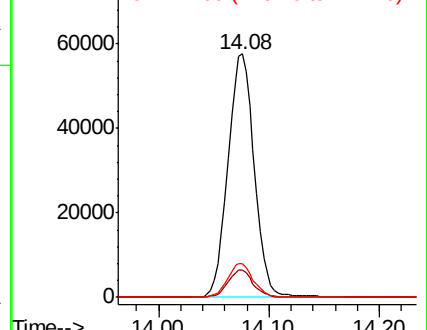


Abundance

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: 5.230 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041915.D

Acq: 11 Jan 2021 12:30

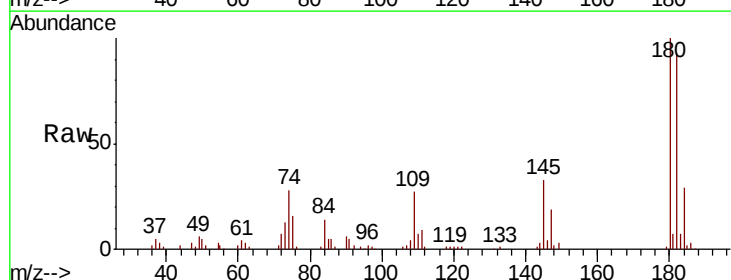
Tgt Ion:180 Resp: 52847

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 33.8 27.0 40.6



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

