

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041914.D
 Acq On : 11 Jan 2021 12:08
 Operator : SY/MD
 Sample : VSTD00103
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Quant Time: Jan 12 01:15:17 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	115353	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114078	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54218	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	8756	0.90	ug/L	0.00
7) Chloroethane-d5	1.92	69	8326	0.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	17868	0.97	ug/L	0.00
20) 2-Butanone-d5	4.66	46	24134	8.93	ug/L	0.00
24) Chloroform-d	5.08	84	15466	0.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	8801	0.94	ug/L	0.00
32) Benzene-d6	5.74	84	28734	0.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	9562	0.90	ug/L	0.00
41) Toluene-d8	7.90	98	26364	0.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	3772	0.85	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	17877	8.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	8299	0.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	9060	0.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.38	85	10849	0.972	ug/L 99
3) Chloromethane	1.52	50	12643	1.041	ug/L 93
5) Vinyl chloride	1.61	62	13308	1.010	ug/L 100
6) Bromomethane	1.86	94	7720	0.969	ug/L 96
8) Chloroethane	1.94	64	8091	1.005	ug/L 97
9) Trichlorofluoromethane	2.14	101	16527	0.972	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	9940	1.074	ug/L 90
12) 1,1-Dichloroethene	2.59	96	9312	1.034	ug/L 96
13) Acetone	2.67	43	10926	6.427	ug/L 76
14) Carbon disulfide	2.80	76	28453	1.013	ug/L 100
15) Methyl Acetate	2.97	43	3683	0.924	ug/L 99
16) Methylene chloride	3.06	84	11392	1.006	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	19649	0.910	ug/L 97
18) trans-1,2-Dichloroethene	3.37	96	8825	1.009	ug/L 92
19) 1,1-Dichloroethane	3.88	63	15548	0.947	ug/L 93
21) 2-Butanone	4.74	43	27332	10.037	ug/L 88
22) cis-1,2-Dichloroethene	4.68	96	8740	0.936	ug/L 89
23) Bromochloromethane	4.99	128	4262	0.978	ug/L 87
25) Chloroform	5.10	83	17200	1.006	ug/L 96
27) 1,2-Dichloroethane	5.81	62	11060	1.009	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	14580	0.979	ug/L 94
30) Cyclohexane	5.40	56	11596	0.831	ug/L 95
31) Carbon tetrachloride	5.54	117	12416	0.965	ug/L 98
33) Benzene	5.78	78	34216	0.931	ug/L 100
34) Trichloroethene	6.55	95	9605	0.995	ug/L 93
35) Methylcyclohexane	6.77	83	12341	0.870	ug/L 96
37) 1,2-Dichloropropane	6.80	63	8201	0.894	ug/L 100
38) Bromodichloromethane	7.11	83	12305	1.003	ug/L 96
39) cis-1,3-Dichloropropene	7.61	75	12041	0.889	ug/L 94
40) 4-Methyl-2-pentanone	7.80	43	52688	9.052	ug/L 97

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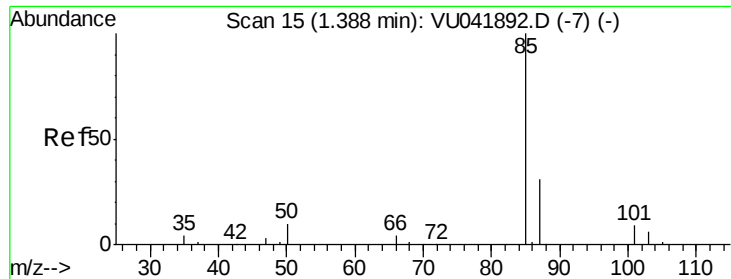
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Quant Time: Jan 12 01:15:17 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)

42) Toluene	7.98	91	34141	0.899	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	10969	0.916	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	6765	0.962	ug/L	90
47) Tetrachloroethene	8.56	164	6335	0.943	ug/L	97
48) 2-Hexanone	8.69	43	37112	8.649	ug/L	95
49) Dibromochloromethane	8.82	129	8277	0.968	ug/L	97
50) 1,2-Dibromoethane	8.92	107	6053	0.913	ug/L #	99
51) Chlorobenzene	9.45	112	22224	0.929	ug/L	98
52) Ethylbenzene	9.57	91	34894	0.872	ug/L	95
53) m,p-Xylene	9.69	106	12565	0.848	ug/L	99
54) o-Xylene	10.10	106	12745	0.890	ug/L	93
55) Styrene	10.11	104	20725	0.833	ug/L	99
56) Isopropylbenzene	10.48	105	33273	0.866	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	9035	0.984	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	6477	0.967	ug/L	94
61) Bromoform	10.29	173	4673	1.017	ug/L #	97
62) 1,3-Dichlorobenzene	11.74	146	16187	0.941	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	15990	0.926	ug/L	92
65) 1,2-Dichlorobenzene	12.21	146	15659	0.946	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	1517	1.009	ug/L #	71
67) 1,3,5-Trichlorobenzene	13.21	180	11344	0.903	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	7863	0.831	ug/L	99
69) Naphthalene	14.08	128	10733	0.669	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	7539	0.842	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 0.972 ug/L

RT: 1.38 min Scan# 14

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :

MSVOA_U

ClientSampleId :

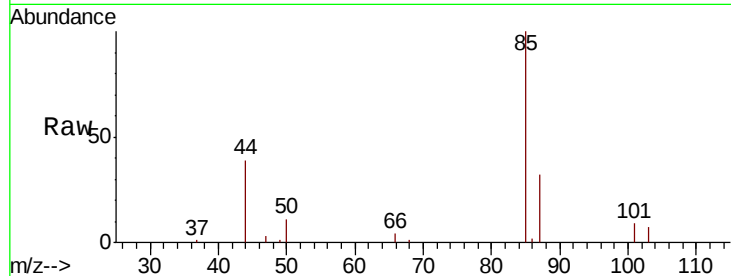
VSTD00103

Tot Ion: 85 Resp: 10849

Ion Ratio Lower Upper

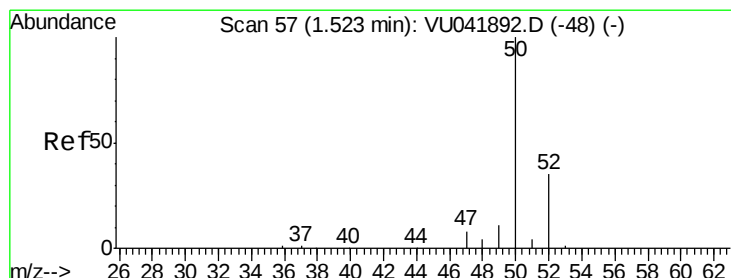
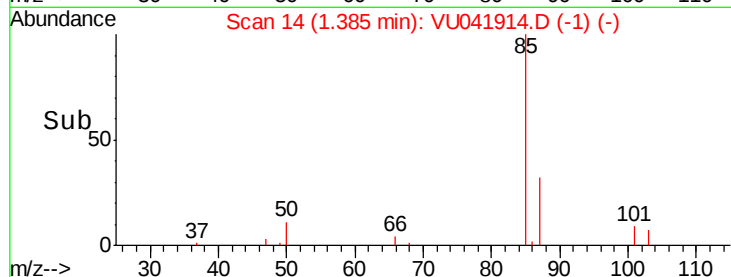
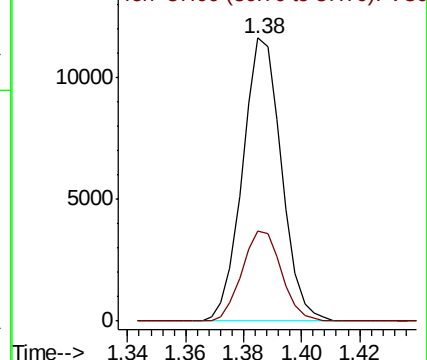
85 100

87 32.1 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: 1.041 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.00 min

Lab File: VU041914.D

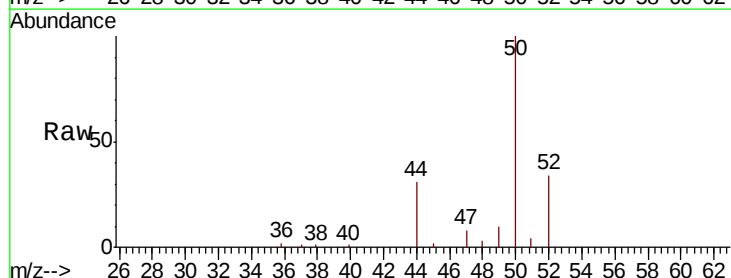
Acq: 11 Jan 2021 12:08

Tgt Ion: 50 Resp: 12643

Ion Ratio Lower Upper

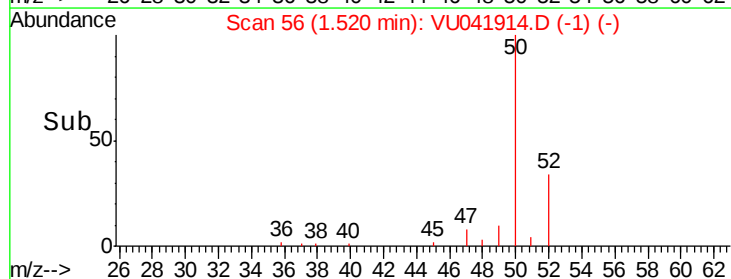
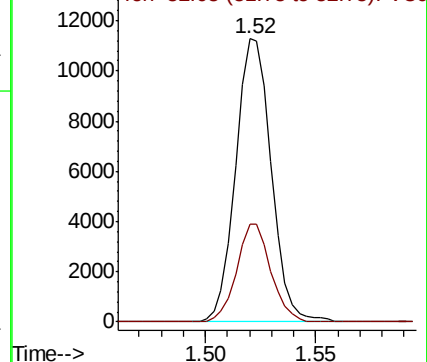
50 100

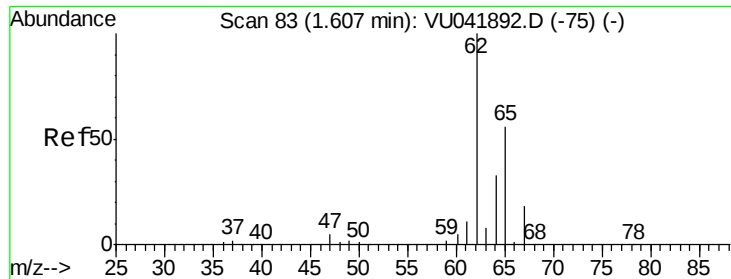
52 34.5 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 1.010 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :

MSVOA_U

ClientSampled :

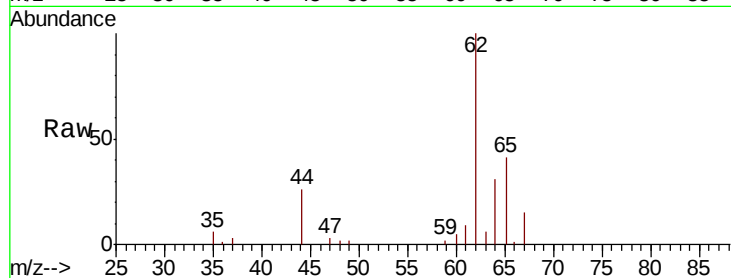
VSTD00103

Tot Ion: 62 Resp: 13308

Ion Ratio Lower Upper

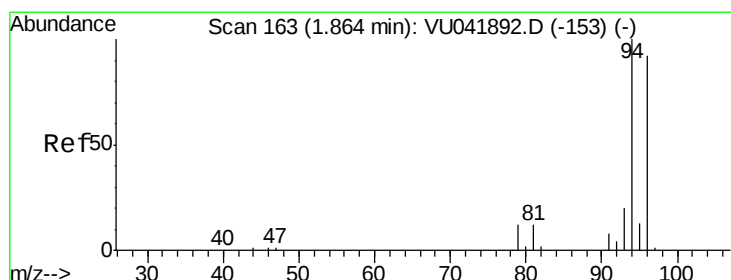
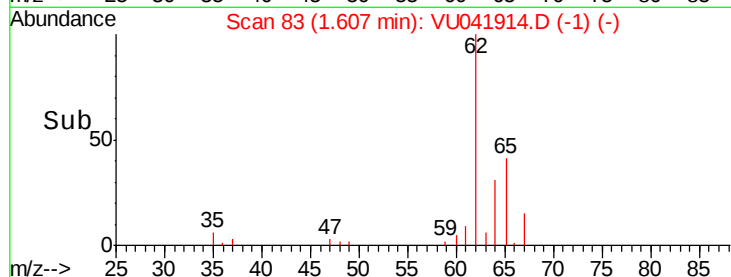
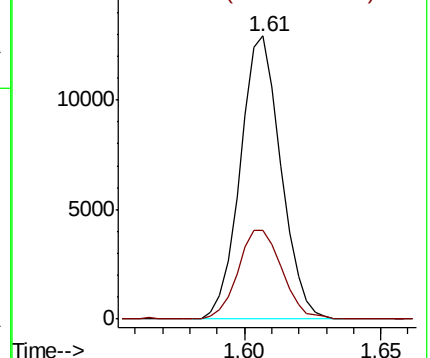
62 100

64 31.5 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.969 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041914.D

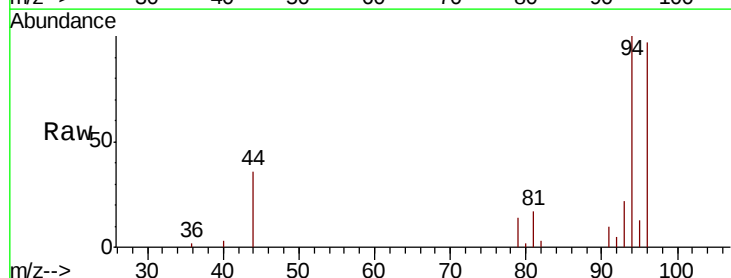
Acq: 11 Jan 2021 12:08

Tgt Ion: 94 Resp: 7720

Ion Ratio Lower Upper

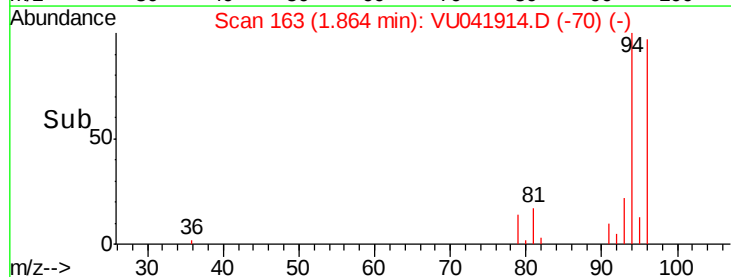
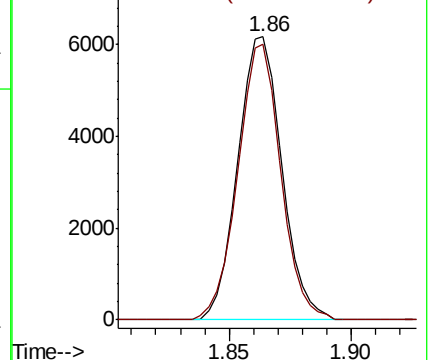
94 100

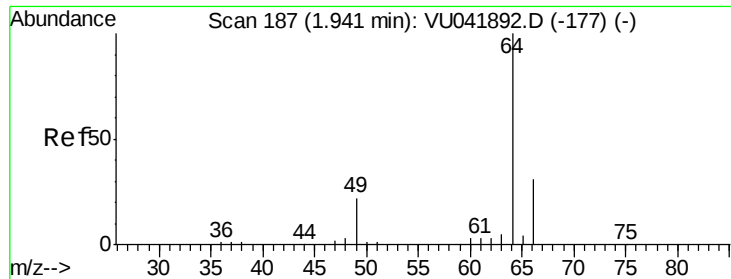
96 97.2 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.005 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :

MSVOA_U

ClientSampleId :

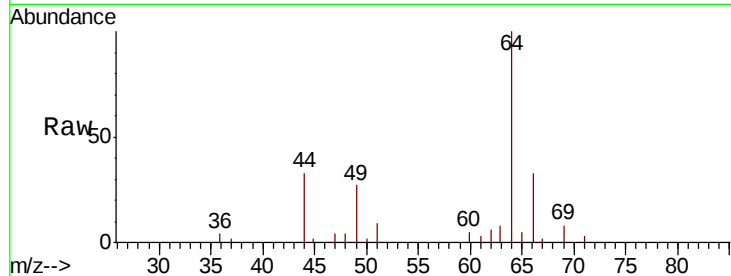
VSTD00103

Tot Ion: 64 Resp: 8091

Ion Ratio Lower Upper

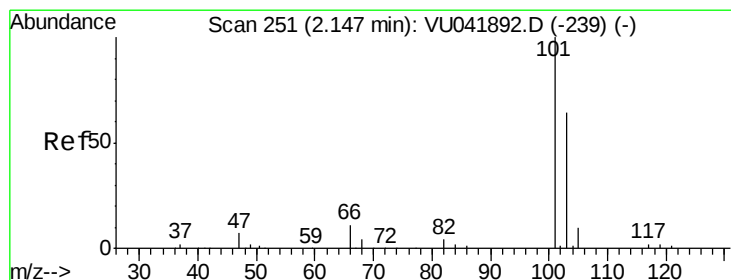
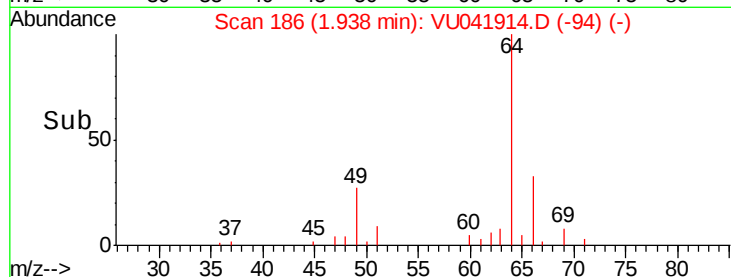
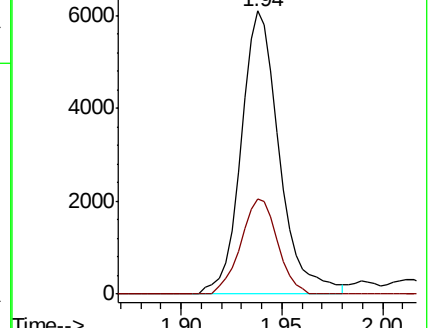
64 100

66 33.5 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU041892.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041892.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.972 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.00 min

Lab File: VU041914.D

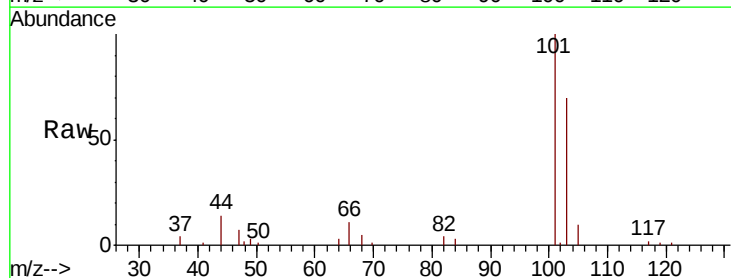
Acq: 11 Jan 2021 12:08

Tgt Ion:101 Resp: 16527

Ion Ratio Lower Upper

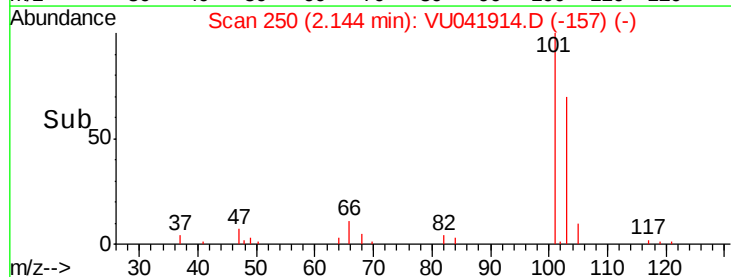
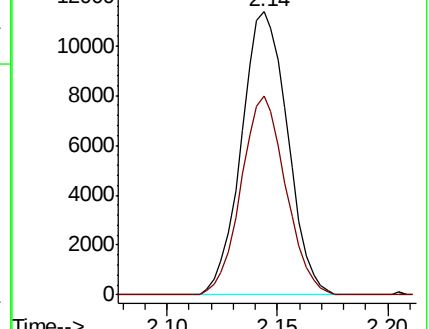
101 100

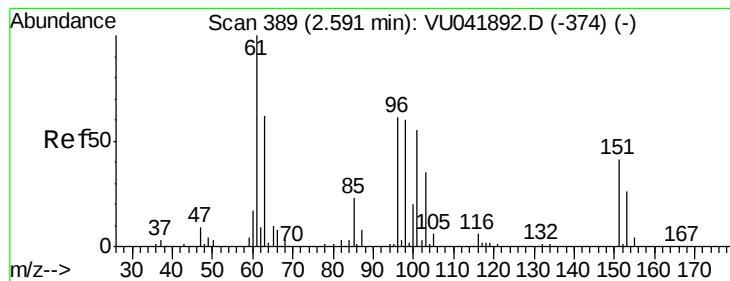
103 67.9 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU041892.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041892.D (-239) (-)





#10

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

Concen: 1.074 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

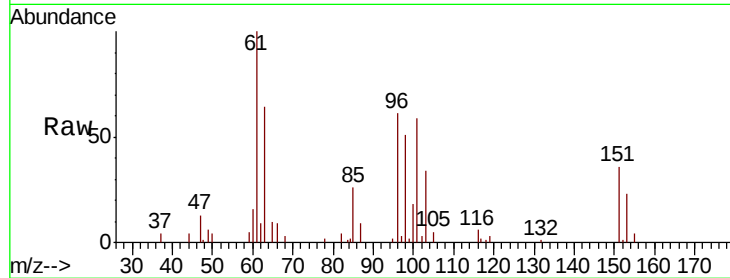
Tot Ion:101 Resp: 9940

Ion Ratio Lower Upper

101 100

85 41.4 35.1 52.7

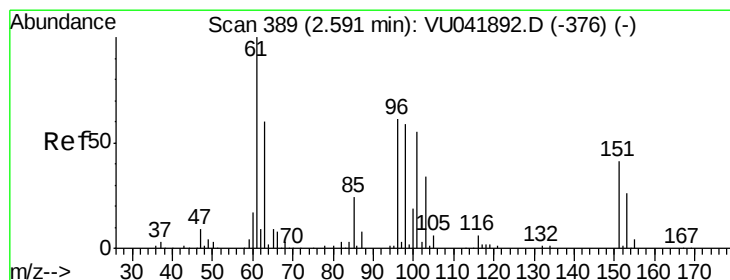
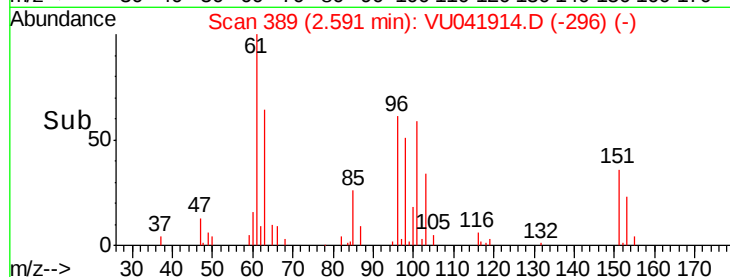
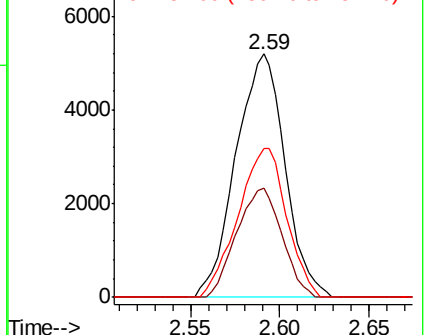
151 60.7 58.2 87.2



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: 1.034 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

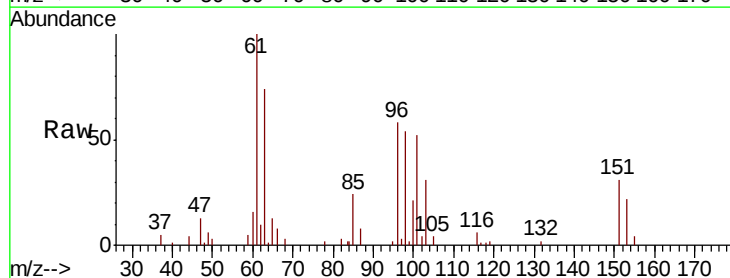
Tgt Ion: 96 Resp: 9312

Ion Ratio Lower Upper

96 100

61 172.1 123.5 229.4

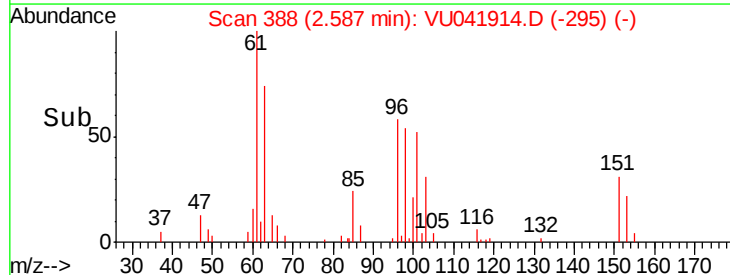
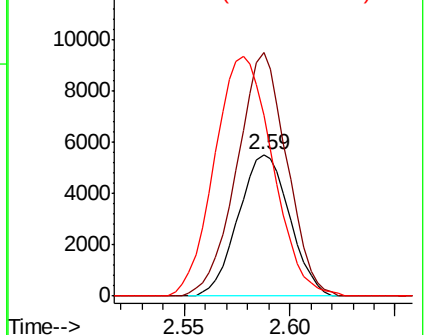
63 127.4 93.5 173.7

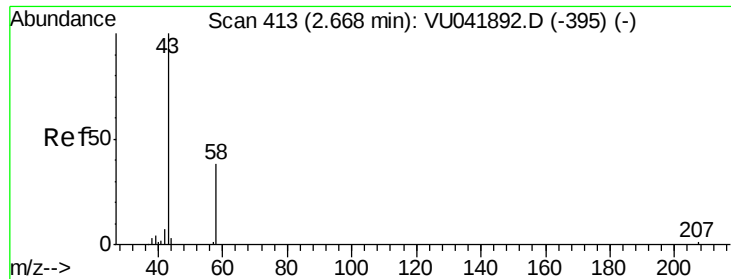


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.427 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :

MSVOA_U

ClientSampleId :

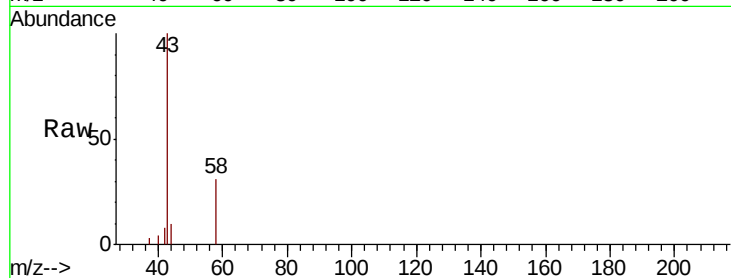
VSTD00103

Tot Ion: 43 Resp: 10926

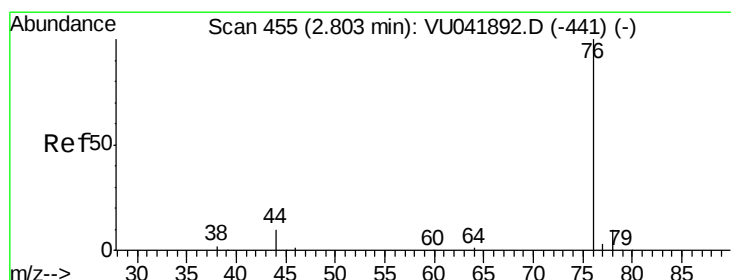
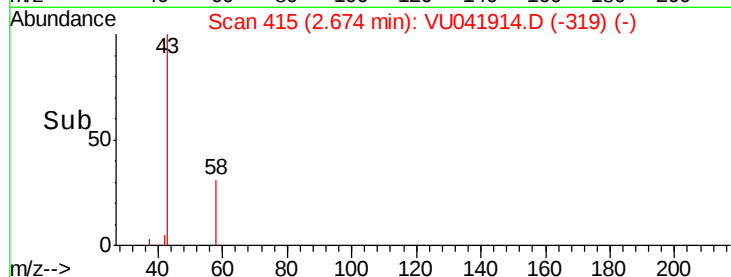
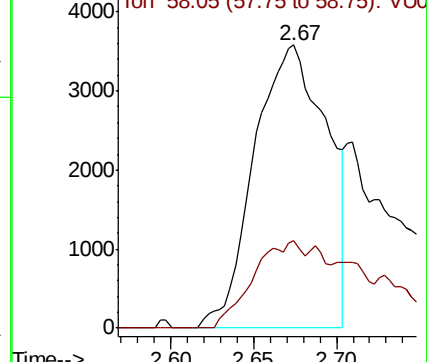
Ion Ratio Lower Upper

43 100

58 21.1 0.0 23.6



Abundance Ion 43.05 (42.75 to 43.75): VU041914.D (-395) (-)



#14

Carbon disulfide

Concen: 1.013 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041914.D

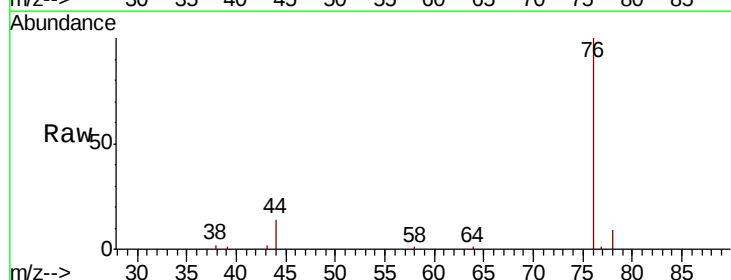
Acq: 11 Jan 2021 12:08

Tgt Ion: 76 Resp: 28453

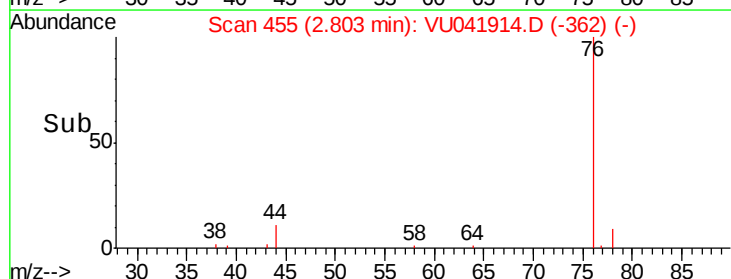
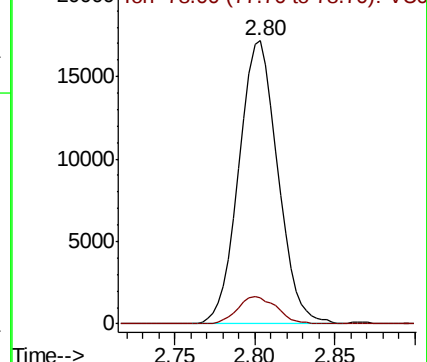
Ion Ratio Lower Upper

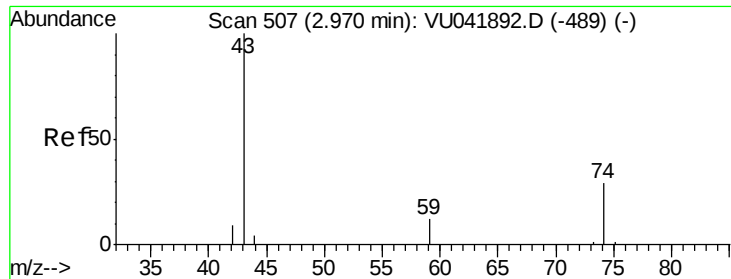
76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU041914.D (-362) (-)

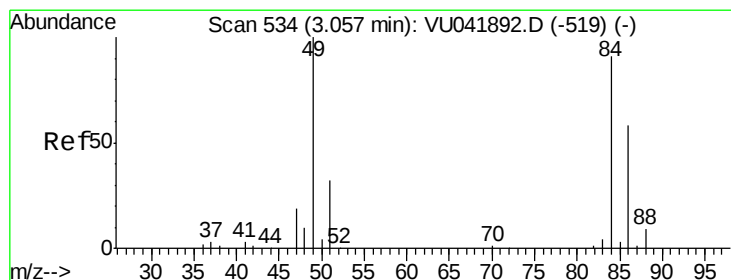
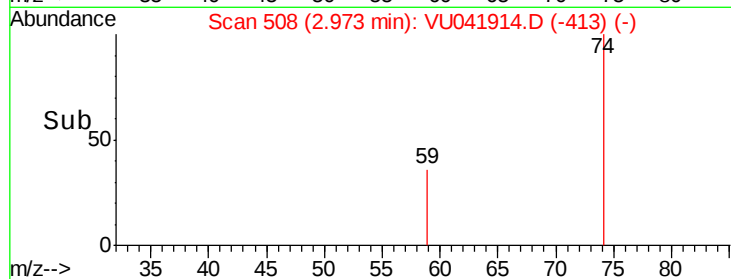
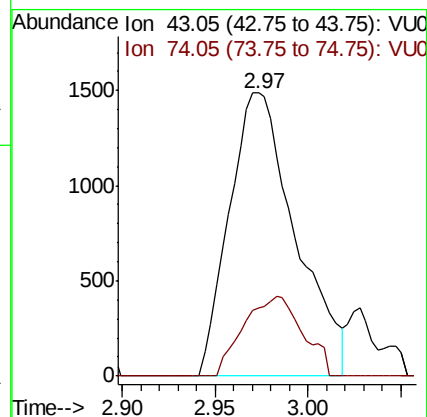
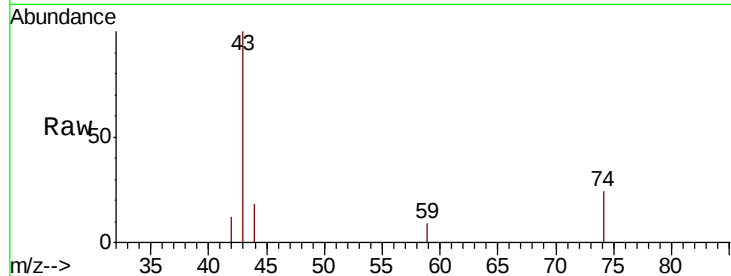




#15
Methyl Acetate
Concen: 0.924 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU041914.D
Acq: 11 Jan 2021 12:08

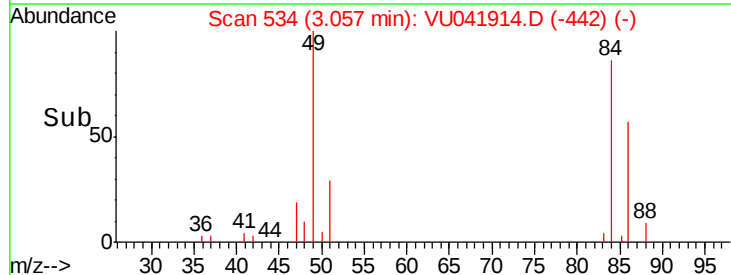
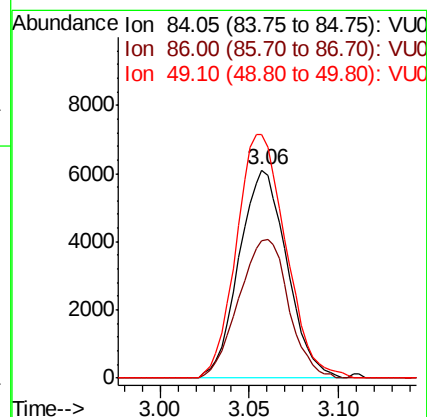
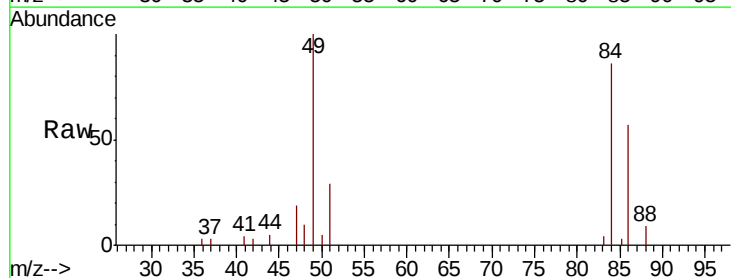
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

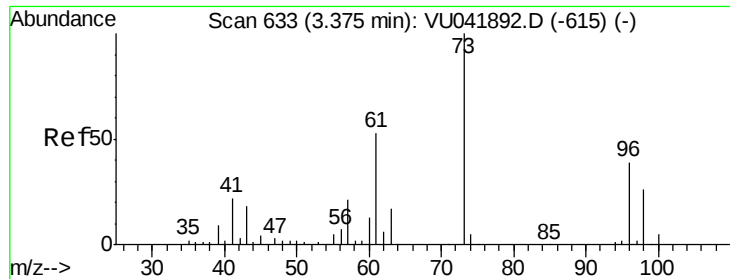
Tot Ion: 43 Resp: 3683
Ion Ratio Lower Upper
43 100
74 25.2 19.8 29.8



#16
Methylene chloride
Concen: 1.006 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041914.D
Acq: 11 Jan 2021 12:08

Tgt Ion: 84 Resp: 11392
Ion Ratio Lower Upper
84 100
86 66.3 43.5 80.7
49 116.9 81.8 151.8

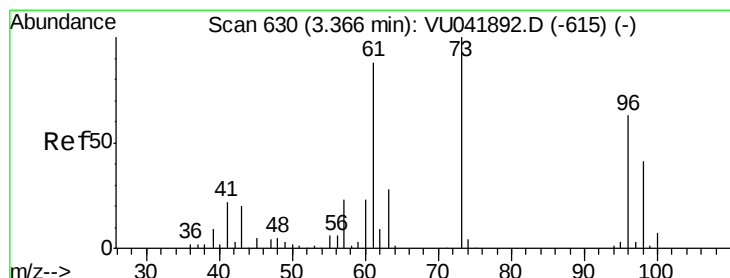
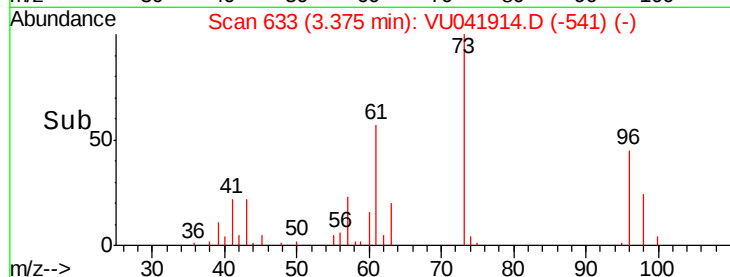
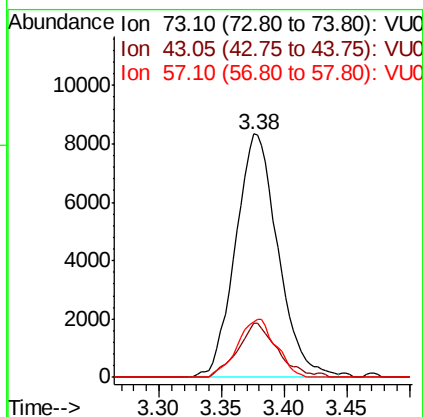
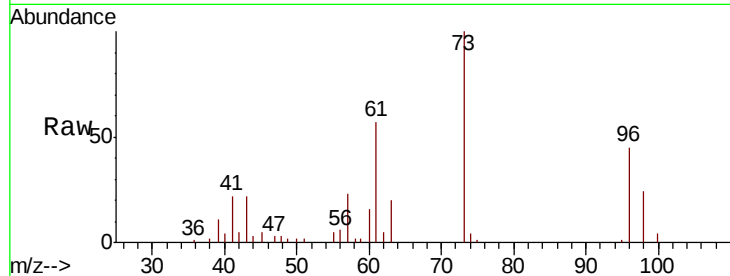




#17
Methvl tert-butvl Ether
Concen: 0.910 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041914.D
Acq: 11 Jan 2021 12:08

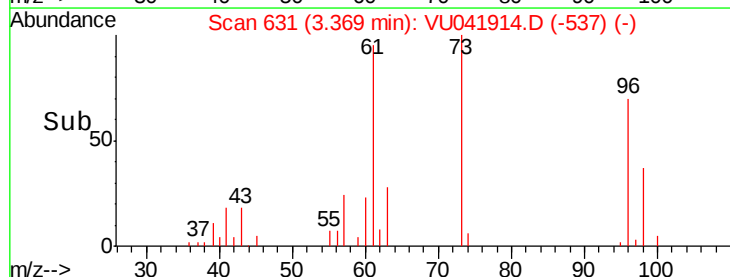
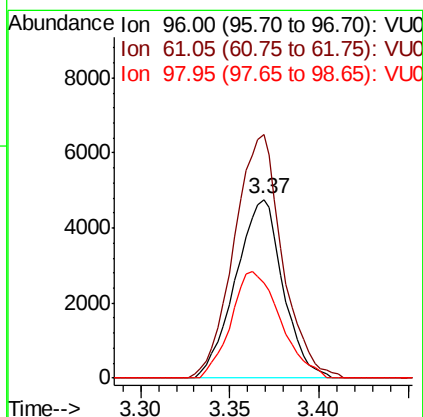
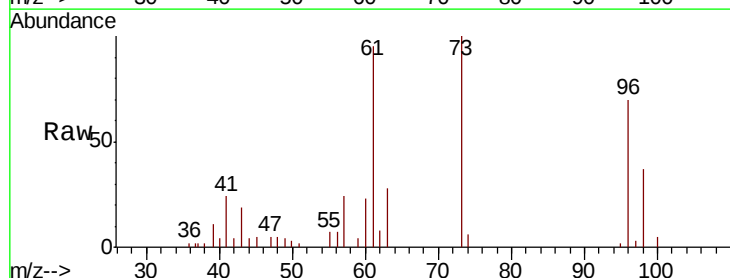
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

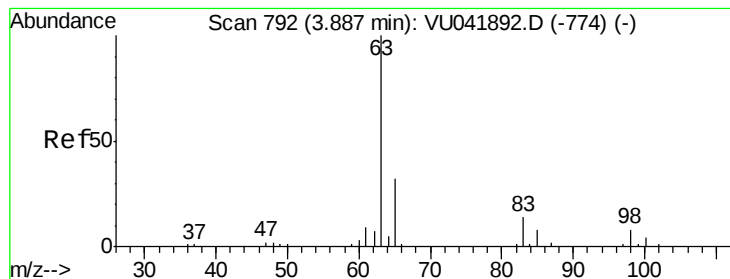
Tot Ion: 73 Resp: 19649
Ion Ratio Lower Upper
73 100
43 20.9 15.8 23.8
57 21.6 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 1.009 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041914.D
Acq: 11 Jan 2021 12:08

Tgt Ion: 96 Resp: 8825
Ion Ratio Lower Upper
96 100
61 136.1 100.7 187.1
98 53.1 43.0 80.0

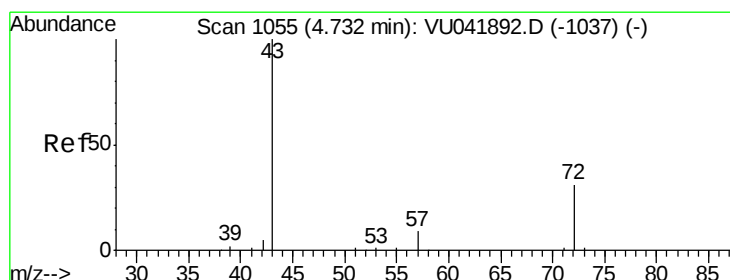
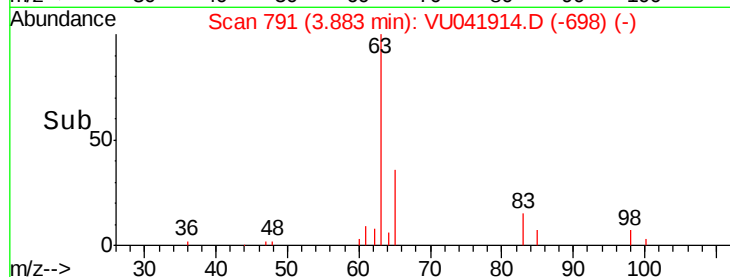
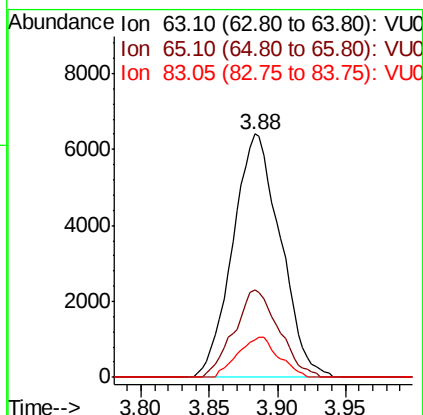
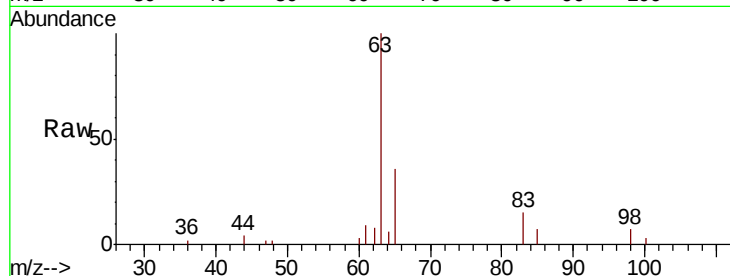




#19
 1,1-Dichloroethane
 Concen: 0.947 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

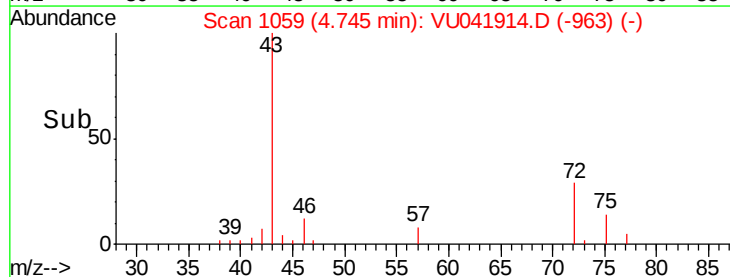
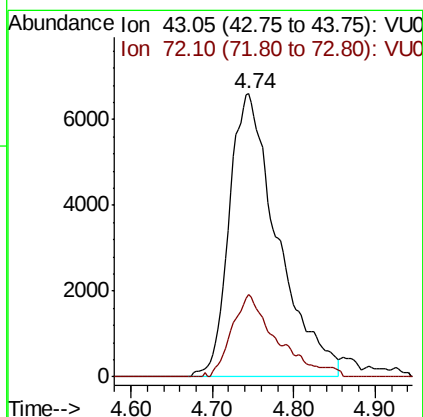
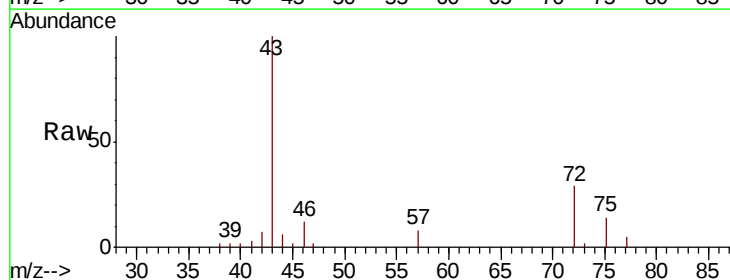
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

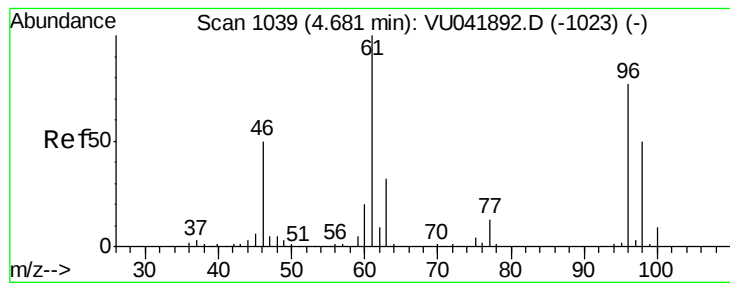
Tot Ion: 63 Resp: 15548
 Ion Ratio Lower Upper
 63 100
 65 36.1 22.3 41.5
 83 15.5 9.0 16.8



#21
 2-Butanone
 Concen: 10.037 ug/L
 RT: 4.74 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion: 43 Resp: 27332
 Ion Ratio Lower Upper
 43 100
 72 21.1 13.6 40.8





#22

cis-1,2-Dichloroethene

Concen: 0.936 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

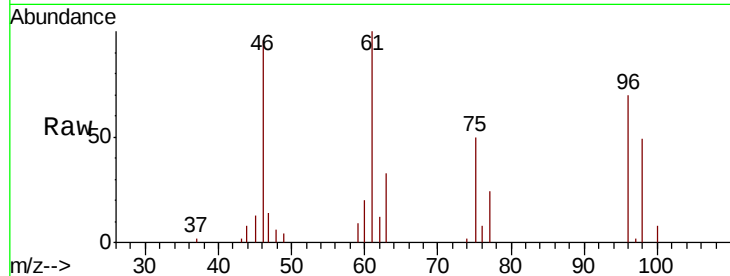
Tot Ion: 96 Resp: 8740

Ion Ratio Lower Upper

96 100

61 142.2 90.3 167.7

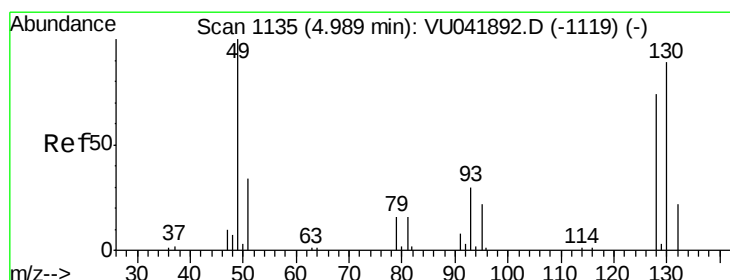
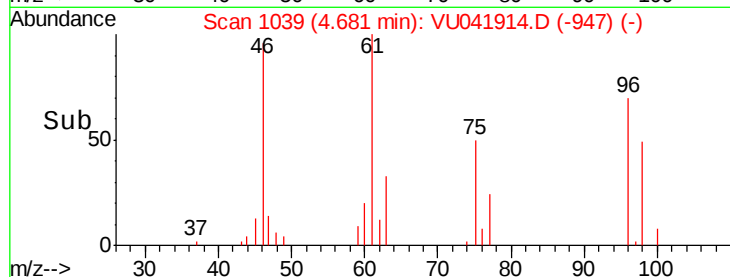
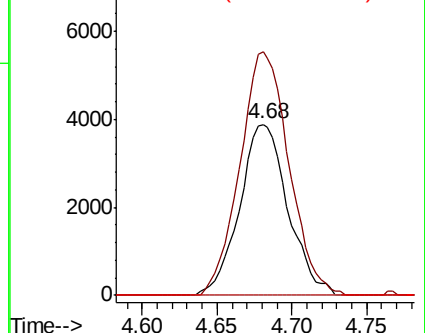
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041914.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041914.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041914.D (-947) (-)



#23

Bromochloromethane

Concen: 0.978 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Tgt Ion: 128 Resp: 4262

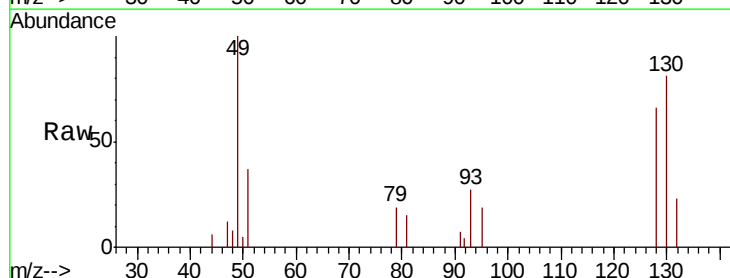
Ion Ratio Lower Upper

128 100

49 150.7 124.0 230.4

130 122.8 94.0 174.6

51 55.4 45.0 67.4

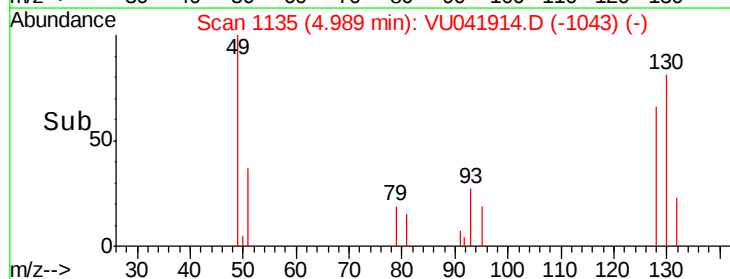
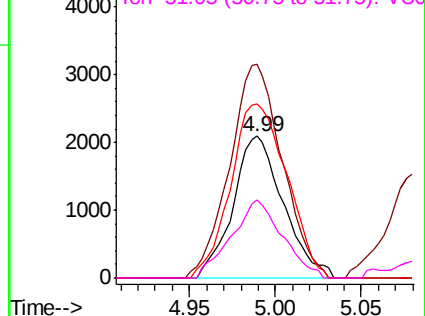


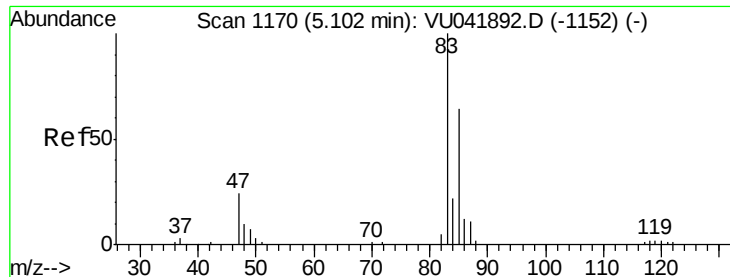
Abundance Ion 127.90 (127.60 to 128.60): VU041914.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU041914.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU041914.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU041914.D (-1043) (-)

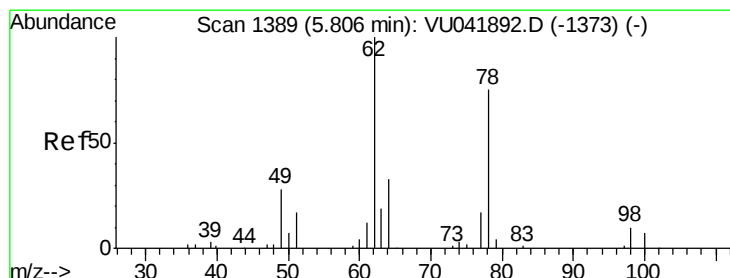
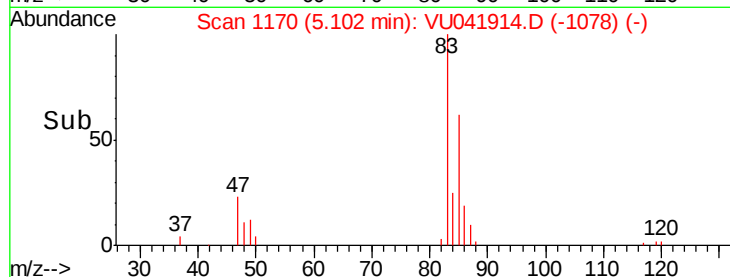
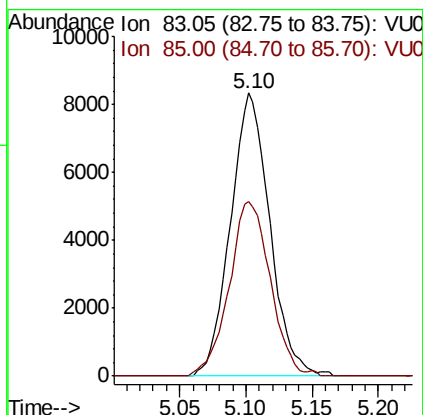
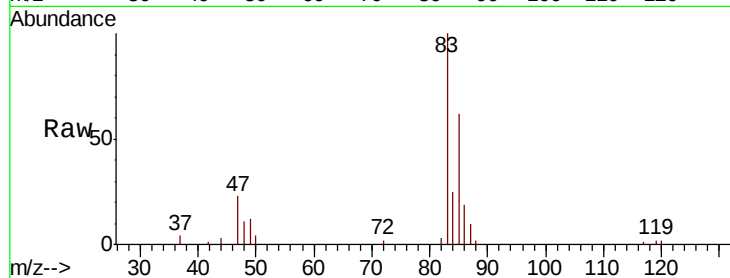




#25
Chloroform
Concen: 1.006 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041914.D
Acq: 11 Jan 2021 12:08

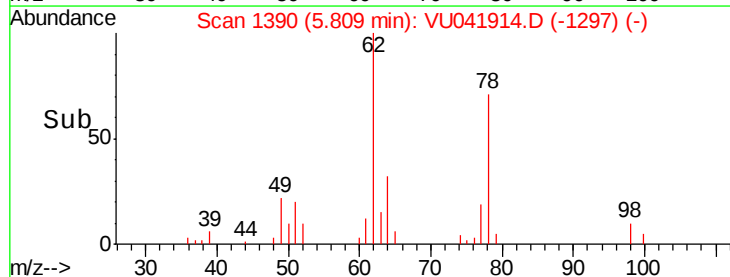
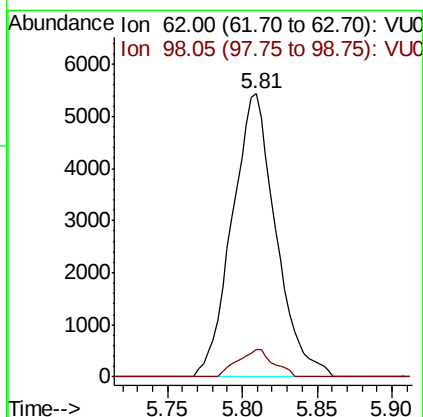
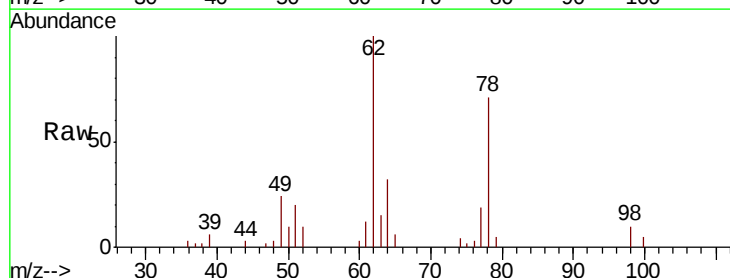
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

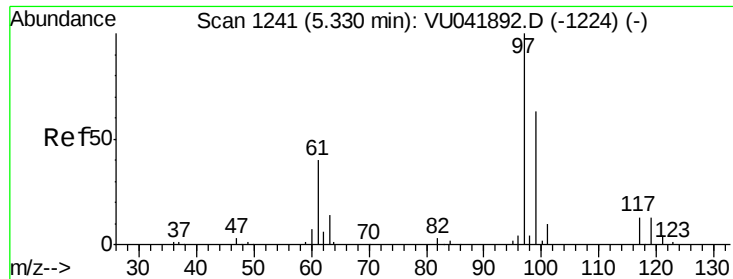
Tot Ion: 83 Resp: 17200
Ion Ratio Lower Upper
83 100
85 61.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 1.009 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU041914.D
Acq: 11 Jan 2021 12:08

Tgt Ion: 62 Resp: 11060
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.8

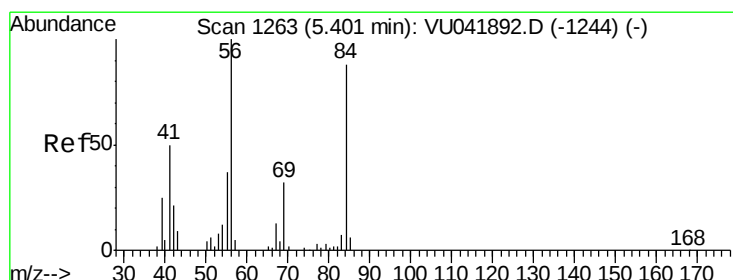
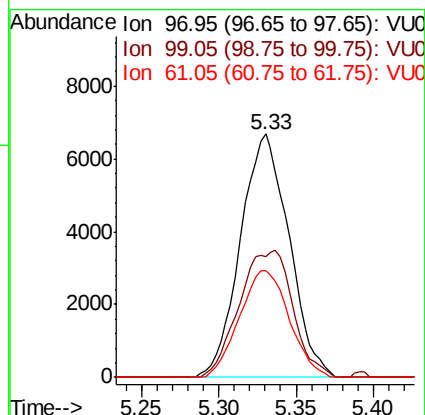
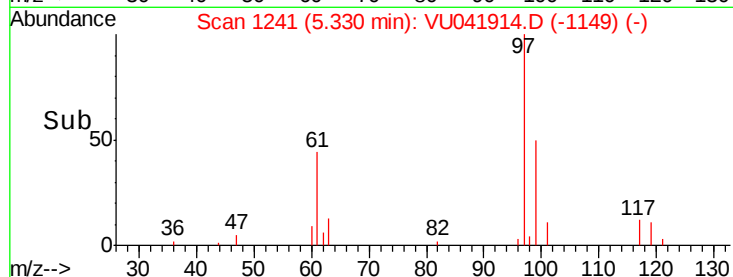
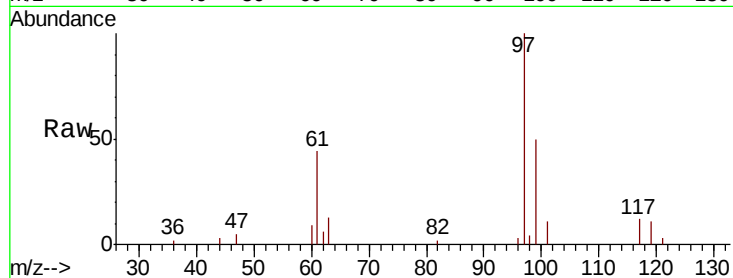




#29
 1,1,1-Trichloroethane
 Concen: 0.979 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

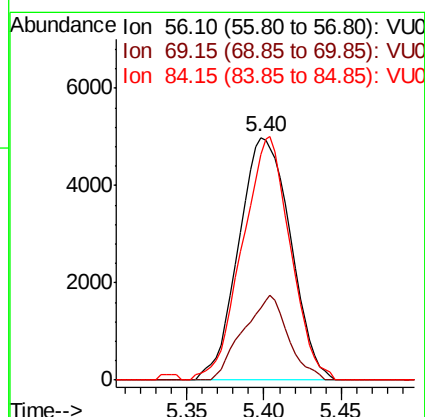
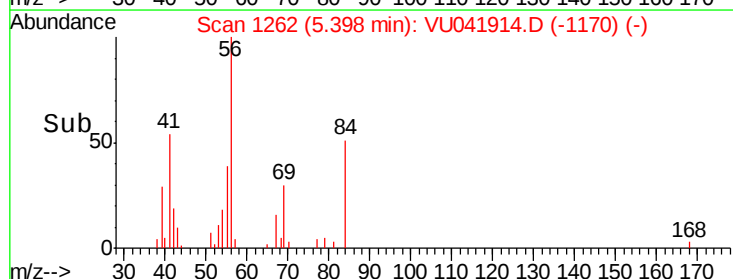
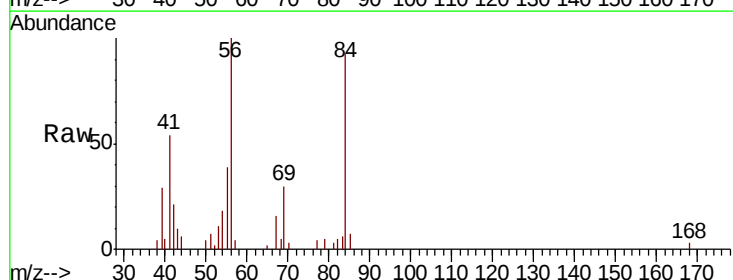
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

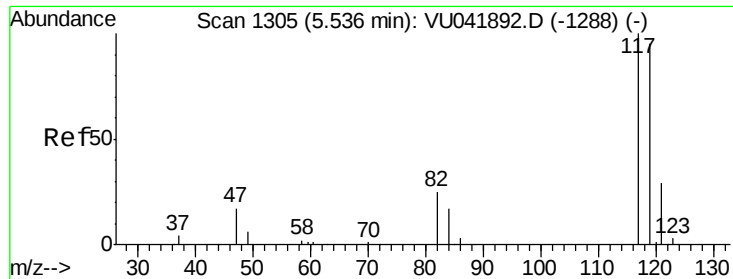
Tot Ion: 97 Resp: 14580
 Ion Ratio Lower Upper
 97 100
 99 57.5 51.4 77.2
 61 45.1 35.3 52.9



#30
 Cyclohexane
 Concen: 0.831 ug/L
 RT: 5.40 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion: 56 Resp: 11596
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.4 36.6
 84 92.9 69.8 104.6

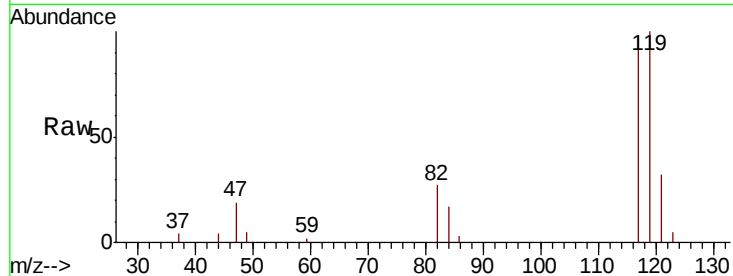




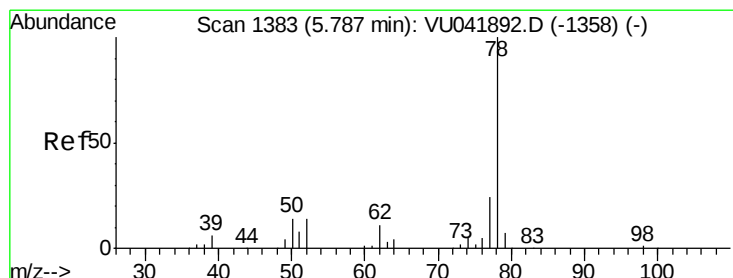
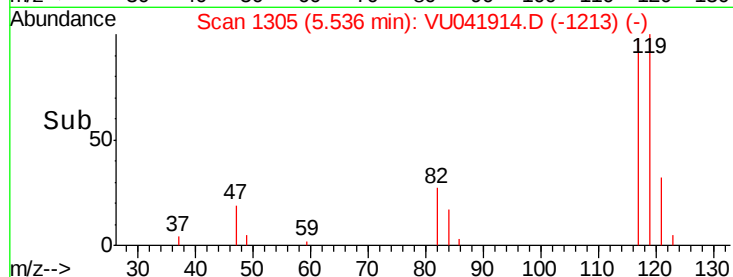
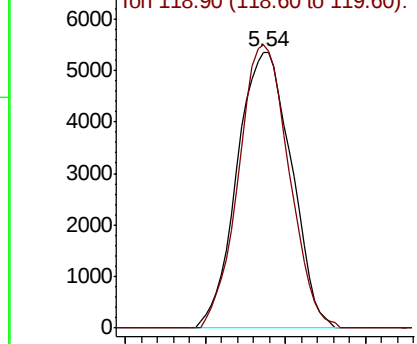
#31
Carbon tetrachloride
Concen: 0.965 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU041914.D
Acq: 11 Jan 2021 12:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tot Ion:117 Resp: 12416
Ion Ratio Lower Upper
117 100
119 95.2 75.0 112.4

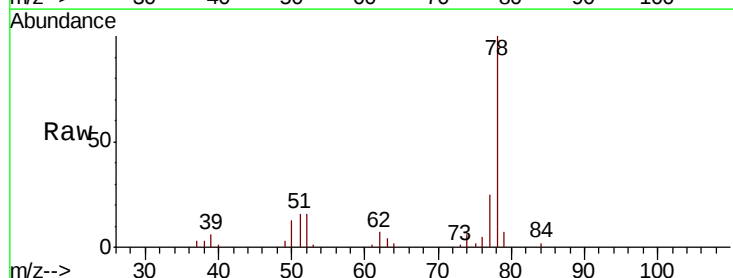


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

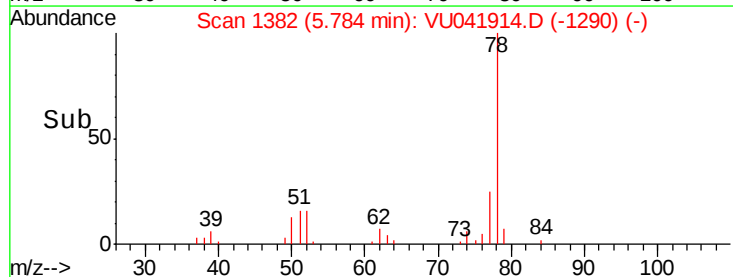
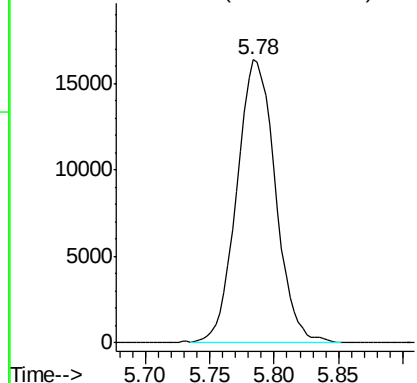


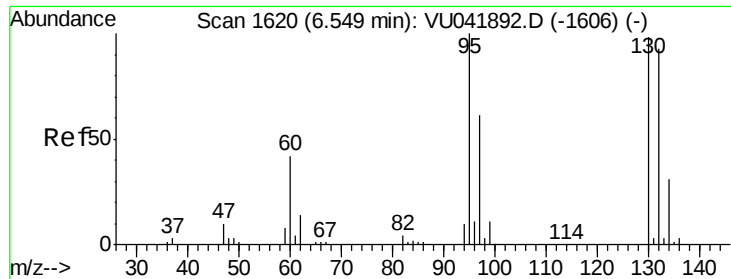
#33
Benzene
Concen: 0.931 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VU041914.D
Acq: 11 Jan 2021 12:08

Tgt Ion: 78 Resp: 34216



Abundance Ion 78.10 (77.80 to 78.80): VU0

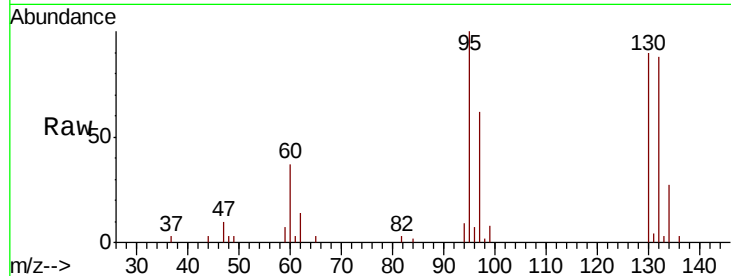




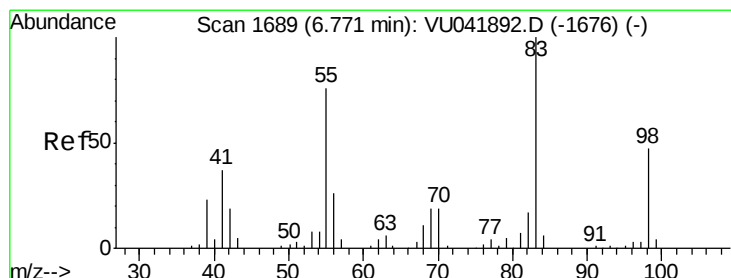
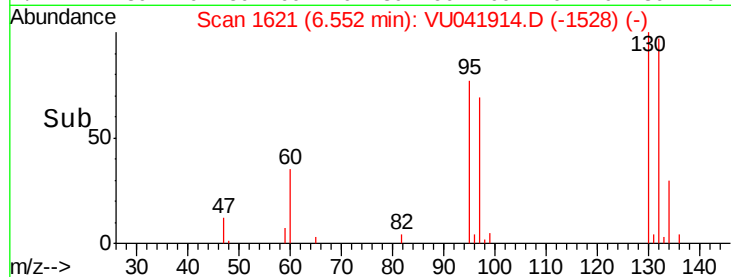
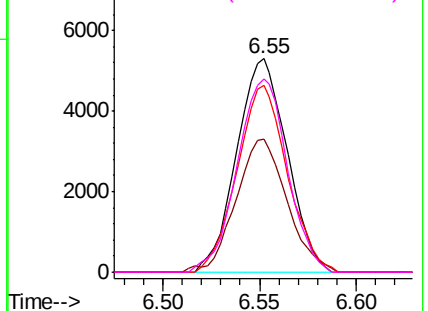
#34
 Trichloroethene
 Concen: 0.995 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion: 95 Resp: 9605
 Ion Ratio Lower Upper
 95 100
 97 62.2 45.2 84.0
 132 87.5 68.7 127.5
 130 90.2 68.0 126.4

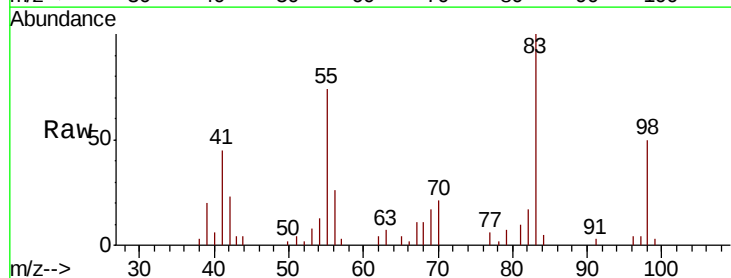


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

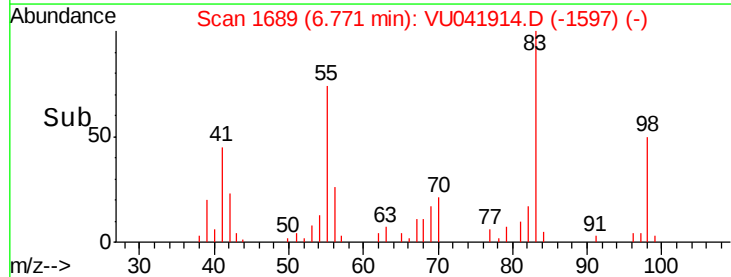
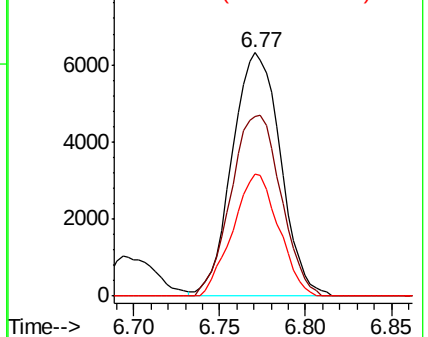


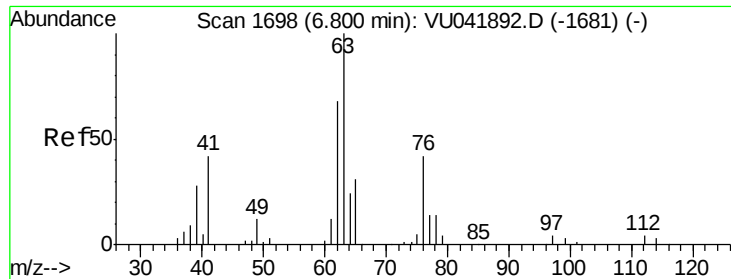
#35
 Methylcyclohexane
 Concen: 0.870 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion: 83 Resp: 12341
 Ion Ratio Lower Upper
 83 100
 55 76.6 64.3 96.5
 98 47.5 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

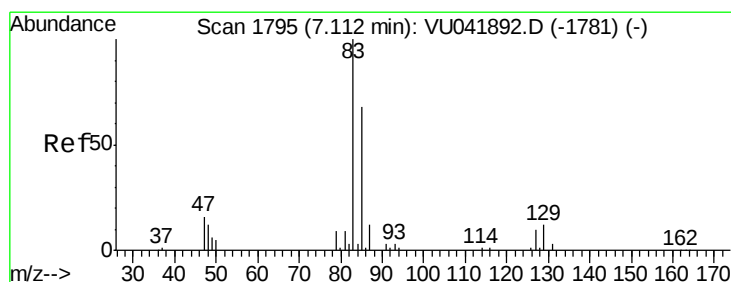
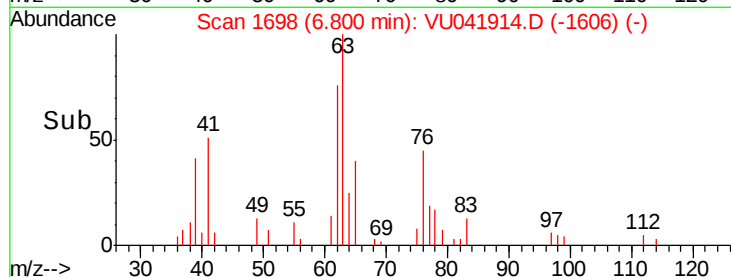
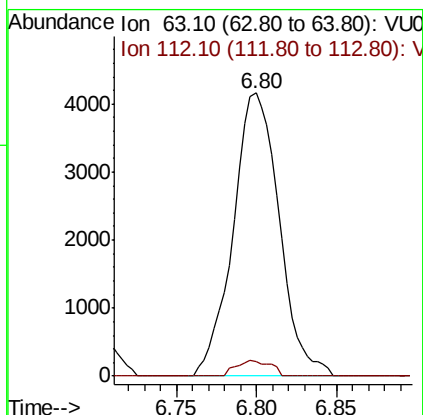
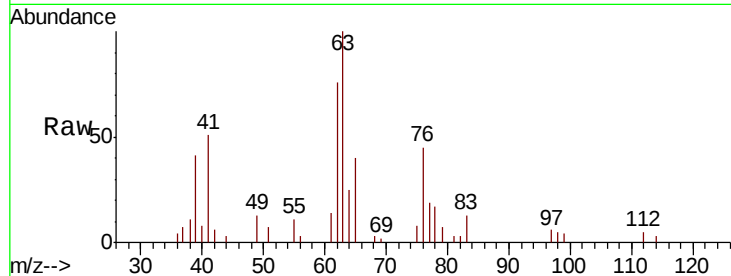




#37
 1,2-Dichloropropane
 Concen: 0.894 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

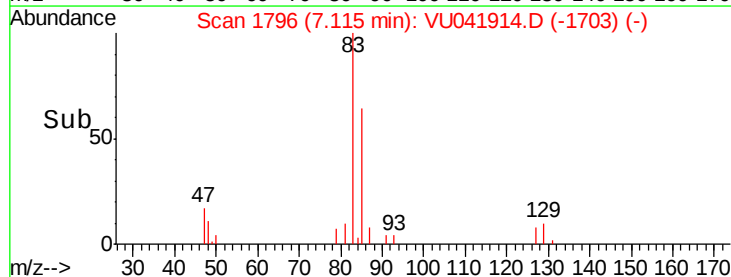
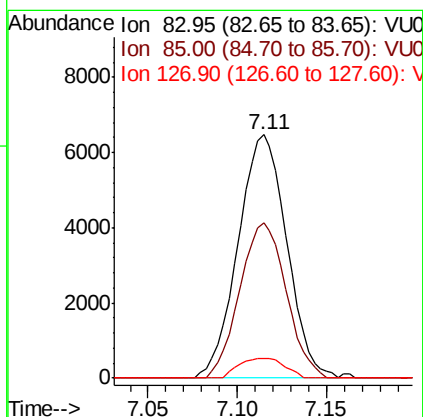
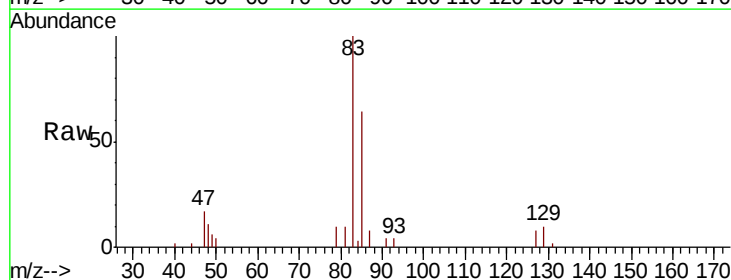
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

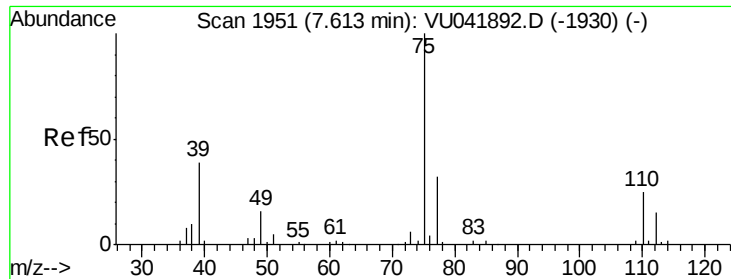
Tot Ion: 63 Resp: 8201
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.3 4.9



#38
 Bromodichloromethane
 Concen: 1.003 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion: 83 Resp: 12305
 Ion Ratio Lower Upper
 83 100
 85 63.5 42.1 78.3
 127 7.9 7.0 10.4

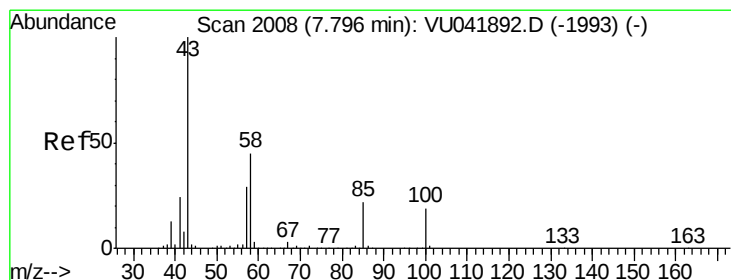
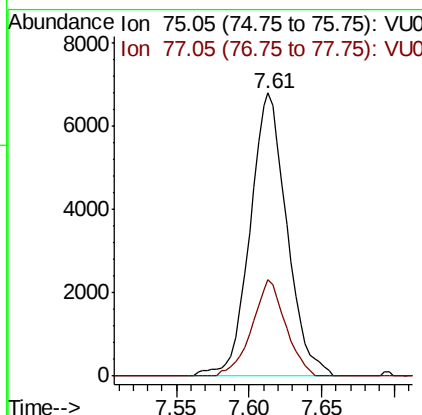
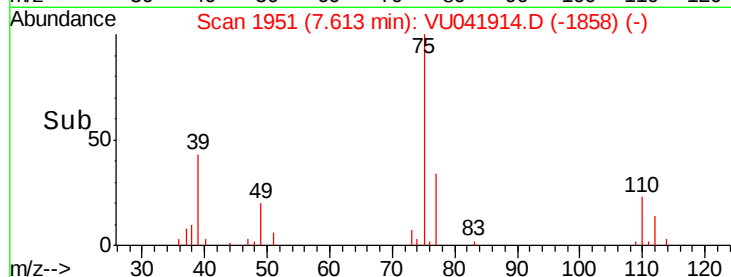
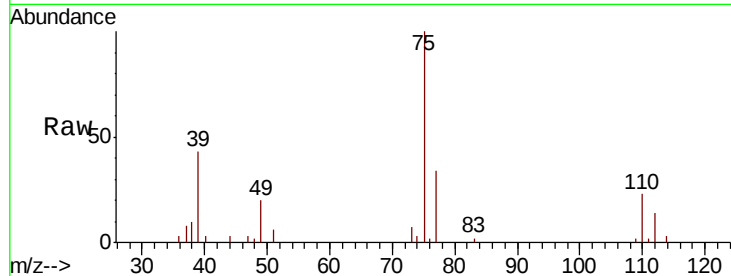




#39
 cis-1,3-Dichloropropene
 Concen: 0.889 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

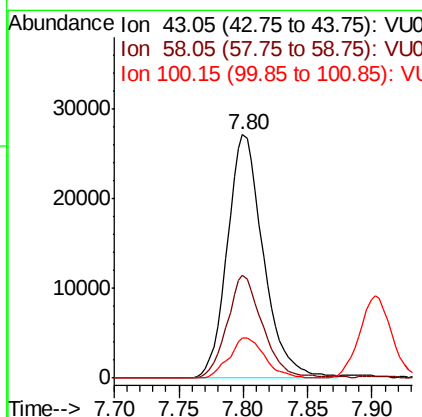
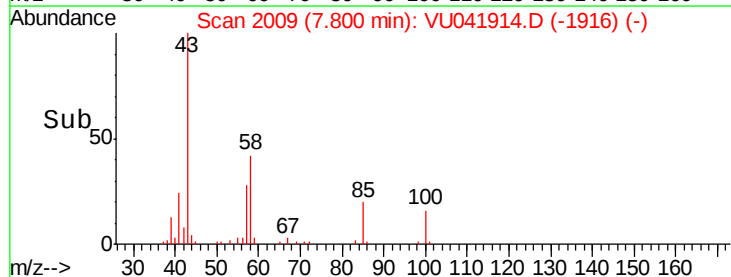
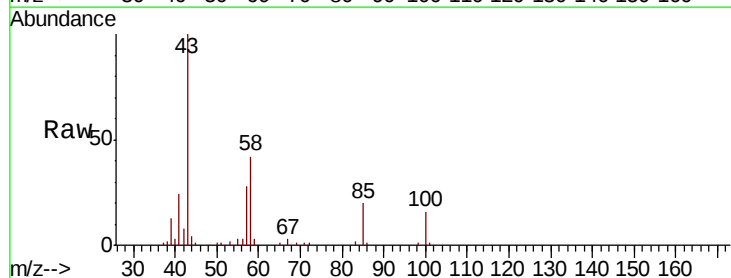
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

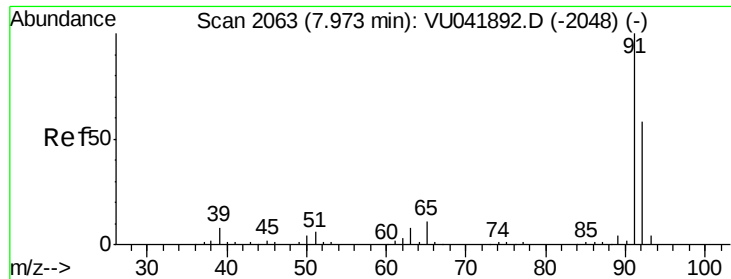
Tot Ion: 75 Resp: 12041
 Ion Ratio Lower Upper
 75 100
 77 33.9 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 9.052 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion: 43 Resp: 52688
 Ion Ratio Lower Upper
 43 100
 58 41.4 35.0 52.4
 100 16.2 13.3 19.9





#42

Toluene

Concen: 0.899 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :

MSVOA_U

ClientSampleId :

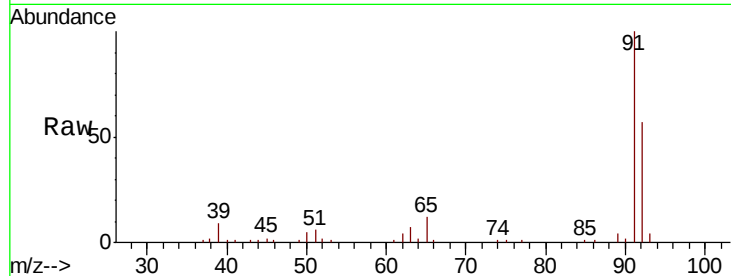
VSTD00103

Tot Ion: 91 Resp: 34141

Ion Ratio Lower Upper

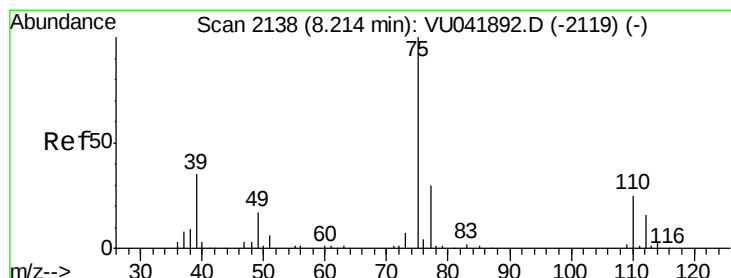
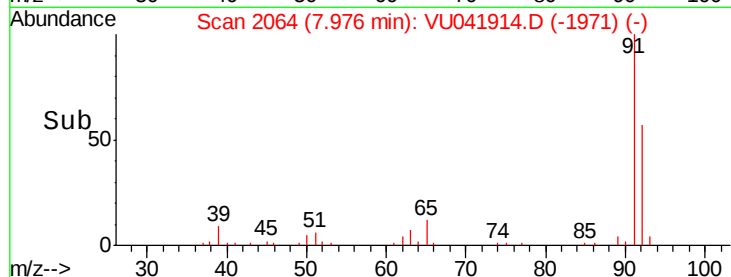
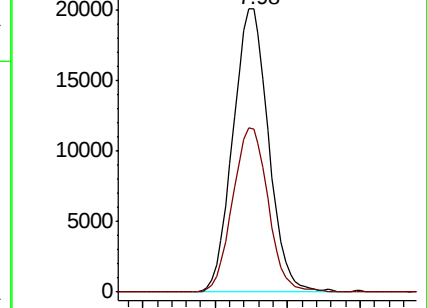
91 100

92 57.4 41.2 76.6



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: 0.916 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041914.D

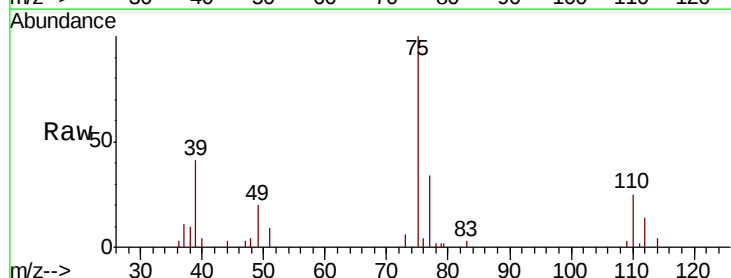
Acq: 11 Jan 2021 12:08

Tgt Ion: 75 Resp: 10969

Ion Ratio Lower Upper

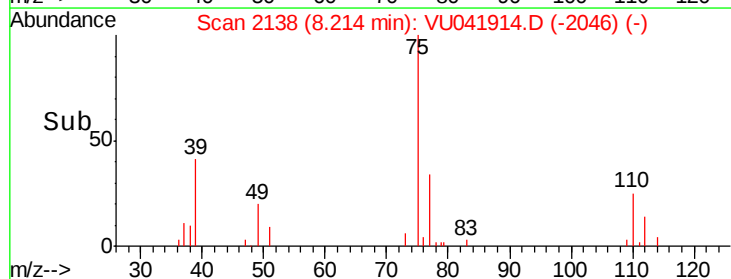
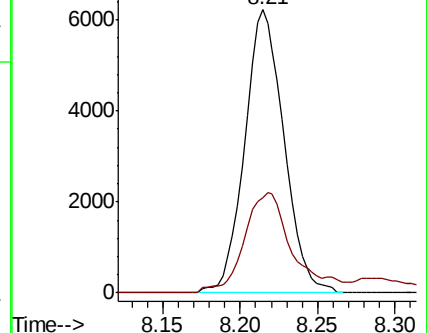
75 100

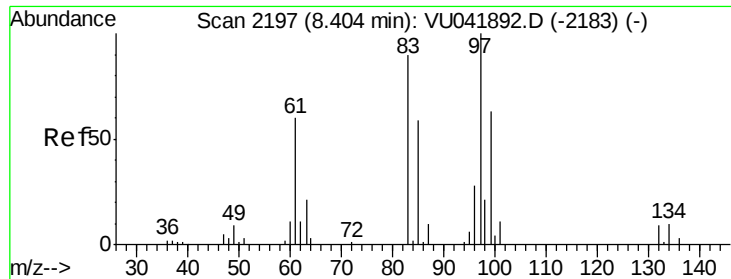
77 33.7 23.7 44.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

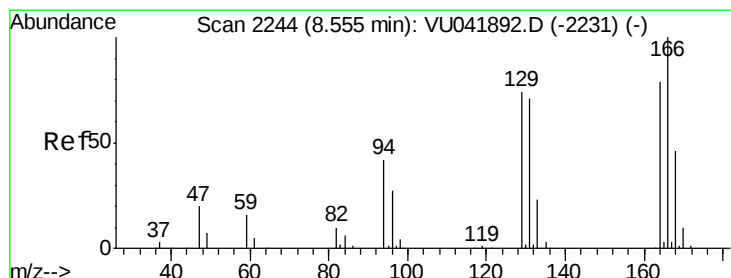
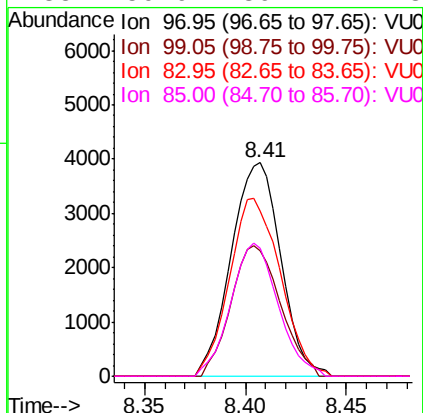
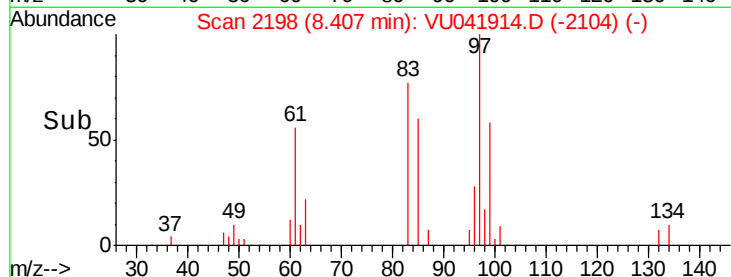
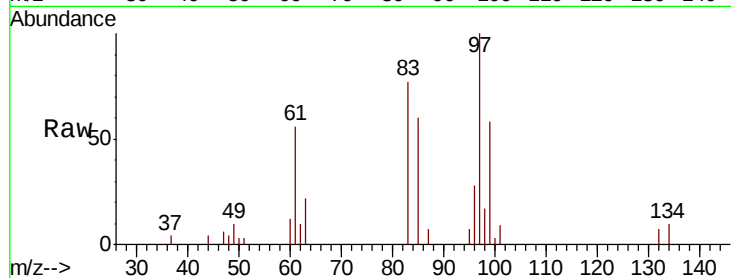




#45
 1,1,2-Trichloroethane
 Concen: 0.962 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

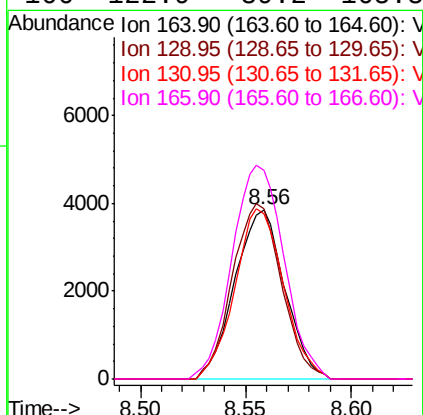
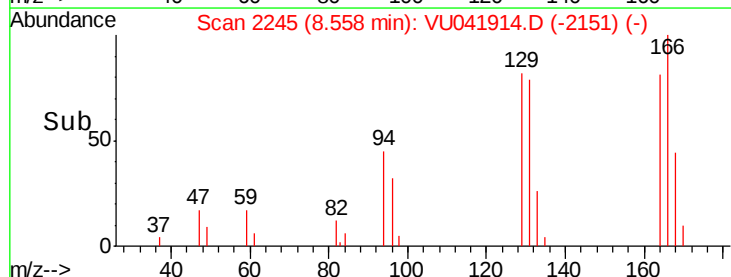
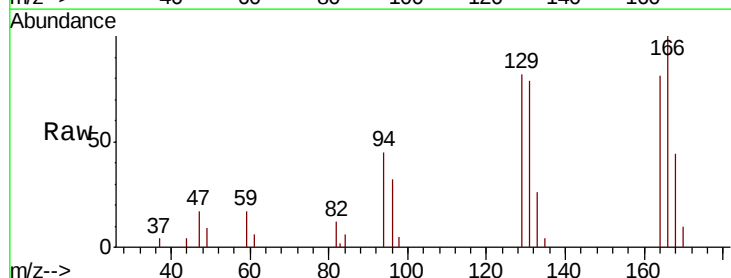
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

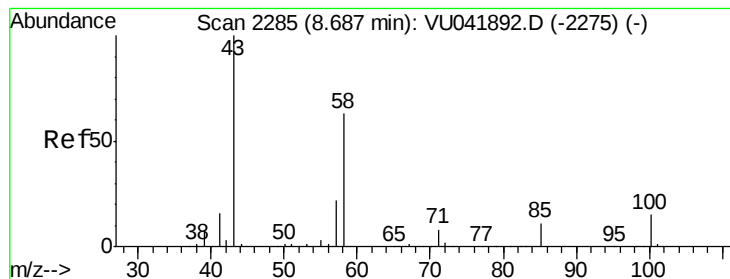
Tot Ion:	97	Resp:	6765
Ion	Ratio	Lower	Upper
97	100		
99	58.5	45.1	83.9
83	77.1	63.3	117.7
85	59.9	39.2	72.8



#47
 Tetrachloroethene
 Concen: 0.943 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion:	164	Resp:	6335
Ion	Ratio	Lower	Upper
164	100		
129	100.8	69.2	128.6
131	97.2	69.7	129.5
166	122.9	89.2	165.8





#48

2-Hexanone

Concen: 8.649 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tot Ion: 43 Resp: 37112

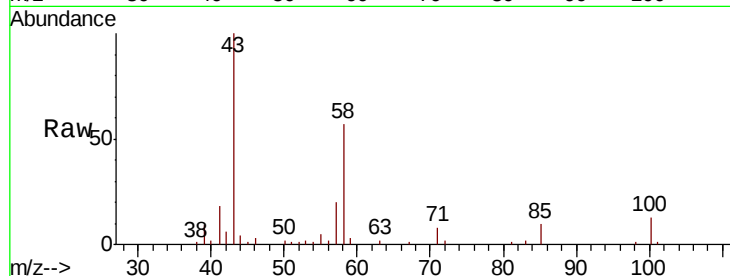
Ion Ratio Lower Upper

43 100

58 55.1 47.6 71.4

57 20.0 17.1 25.7

100 12.3 10.4 15.6

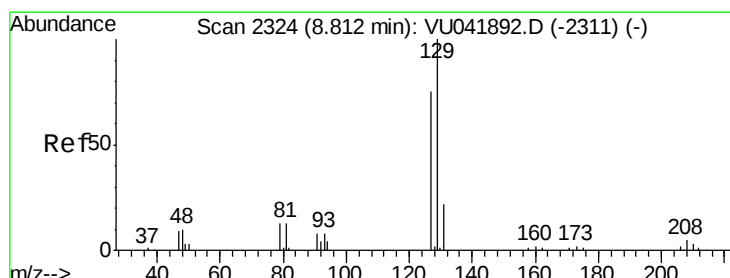
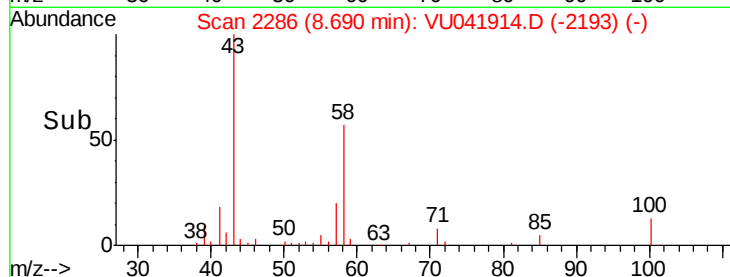
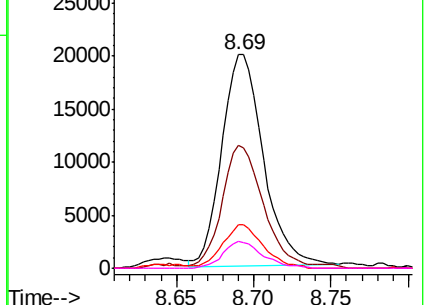


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.968 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041914.D

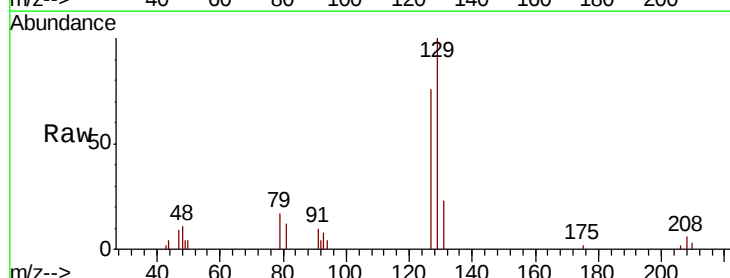
Acq: 11 Jan 2021 12:08

Tgt Ion: 129 Resp: 8277

Ion Ratio Lower Upper

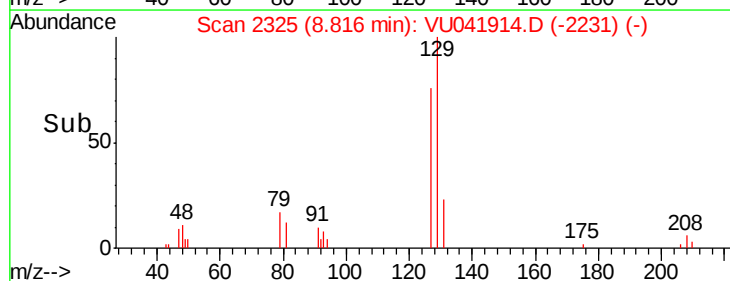
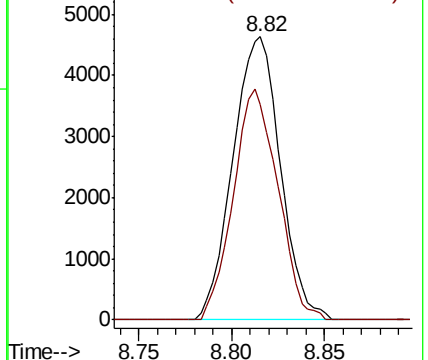
129 100

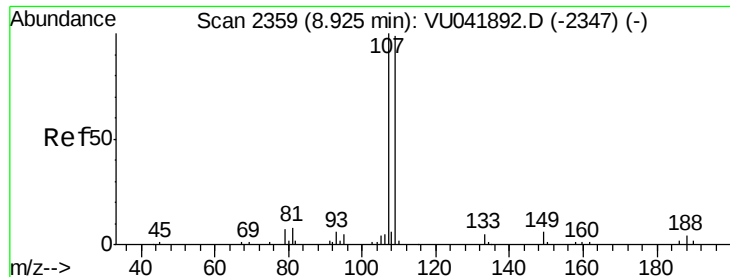
127 76.2 54.9 101.9



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

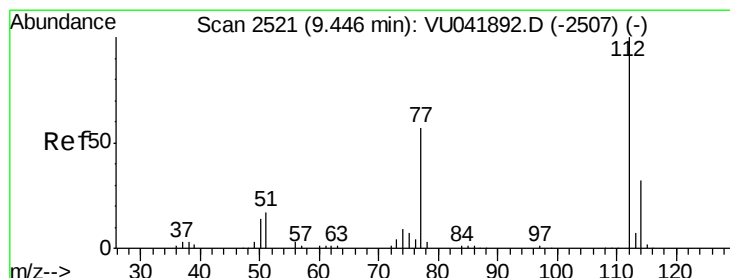
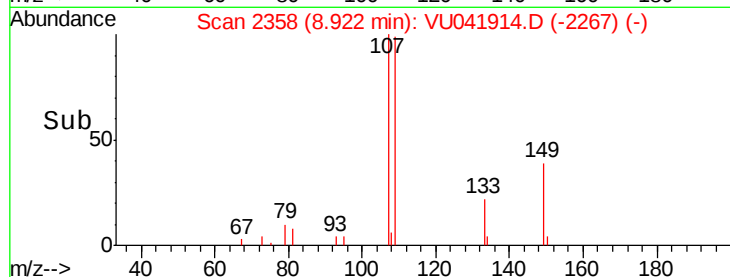
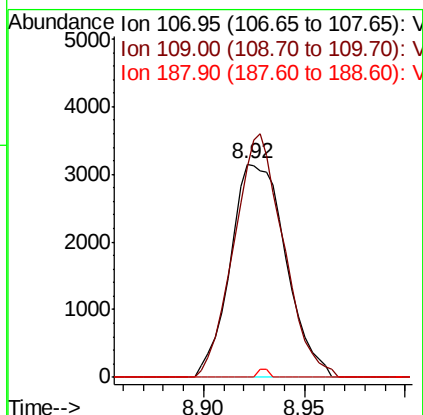
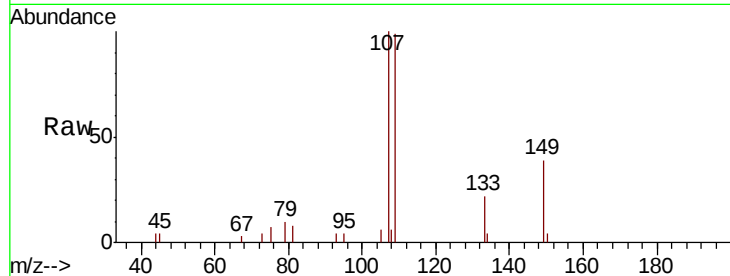




#50
 1,2-Dibromoethane
 Concen: 0.913 ug/L
 RT: 8.92 min Scan# 2358
 Delta R.T. -0.01 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

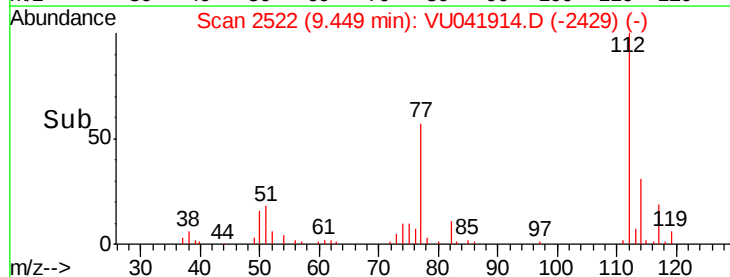
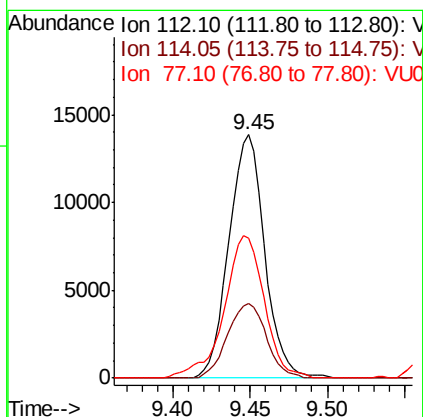
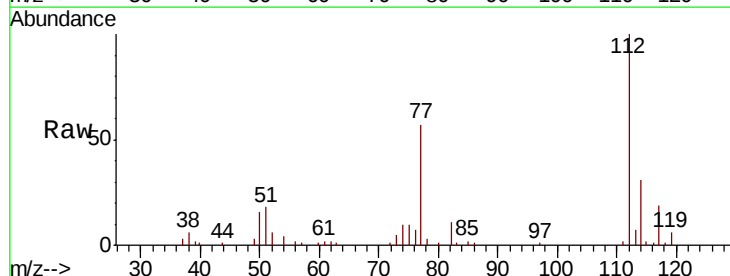
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

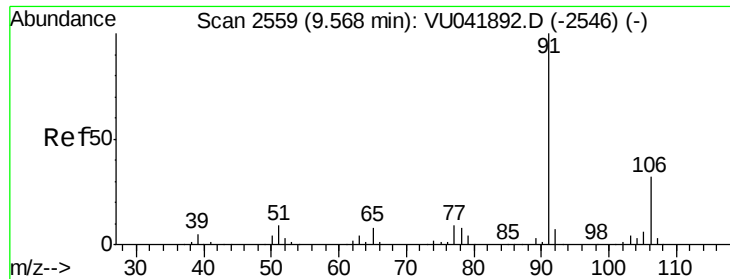
Tot Ion:107 Resp: 6053
 Ion Ratio Lower Upper
 107 100
 109 98.5 68.5 127.1
 188 0.0 2.6 4.0#



#51
 Chlorobenzene
 Concen: 0.929 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion:112 Resp: 22224
 Ion Ratio Lower Upper
 112 100
 114 30.6 21.5 39.9
 77 57.3 47.3 70.9





#52

Ethylbenzene

Concen: 0.872 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :

MSVOA_U

ClientSampleId :

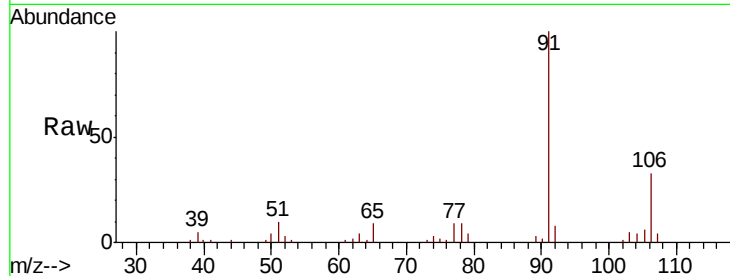
VSTD00103

Tot Ion: 91 Resp: 34894

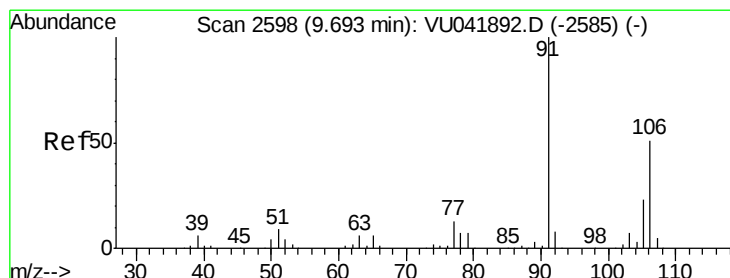
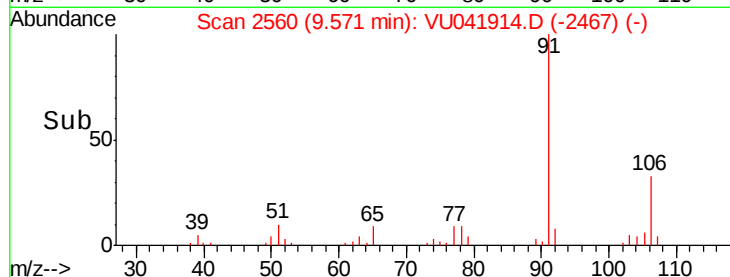
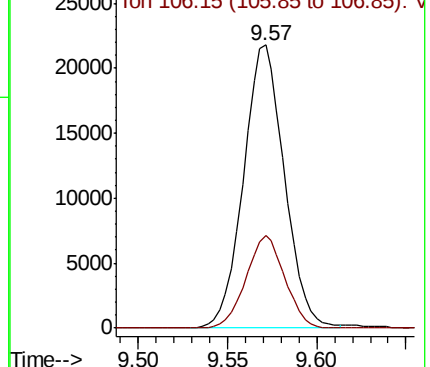
Ion Ratio Lower Upper

91 100

106 32.7 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VU041892.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.848 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041914.D

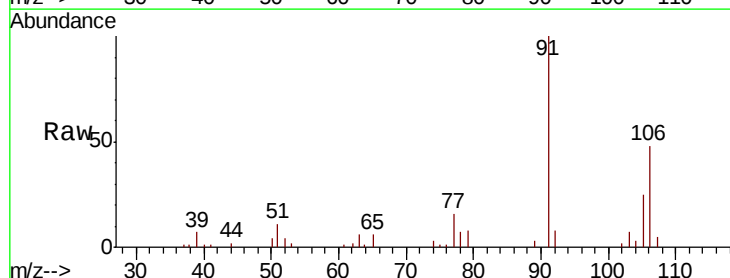
Acq: 11 Jan 2021 12:08

Tgt Ion: 106 Resp: 12565

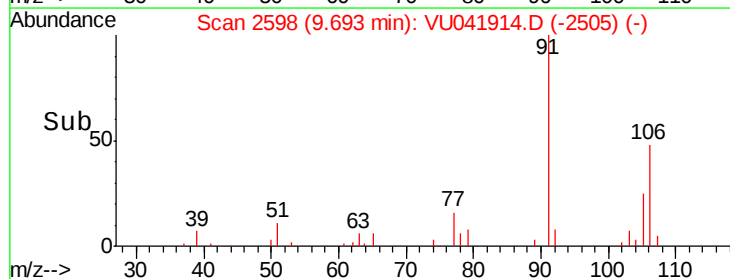
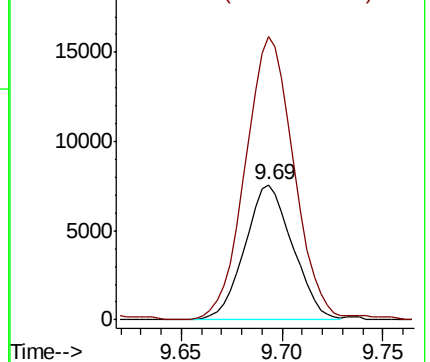
Ion Ratio Lower Upper

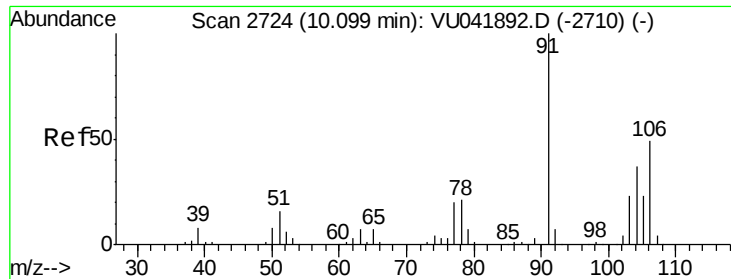
106 100

91 209.4 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU041892.D (-2585) (-)

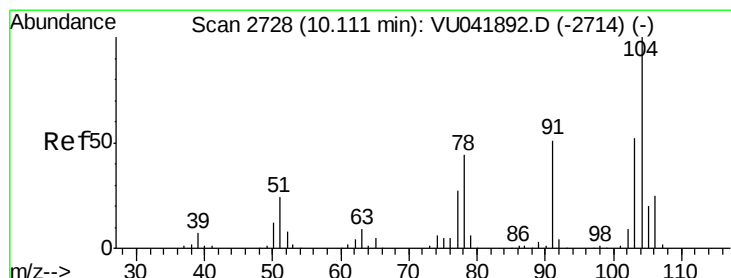
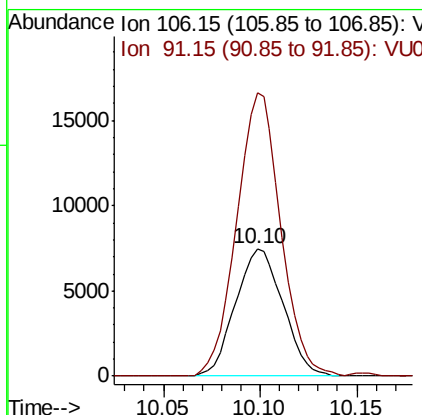
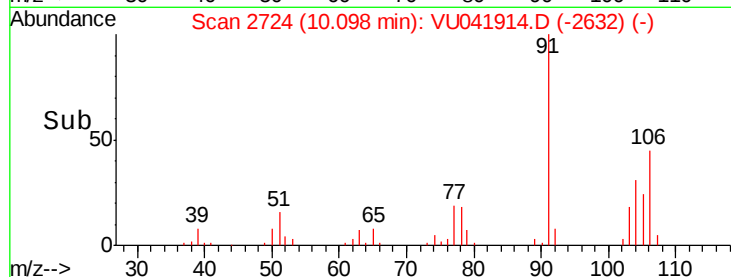
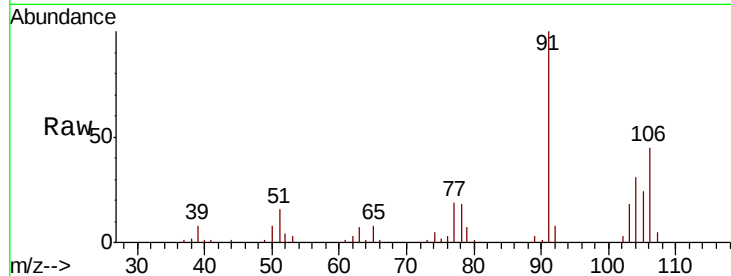




#54
o-Xylene
Concen: 0.890 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041914.D
Acq: 11 Jan 2021 12:08

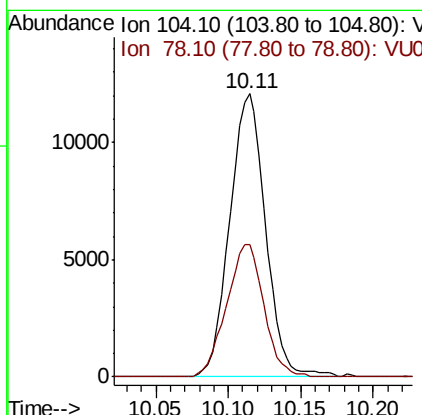
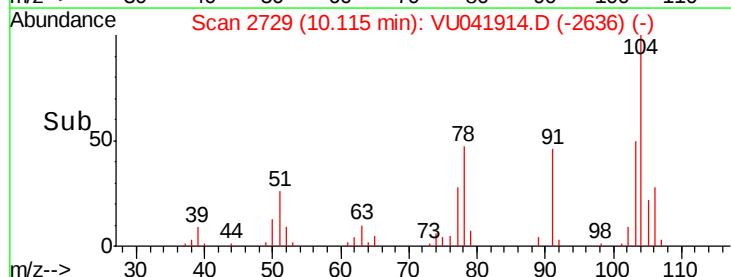
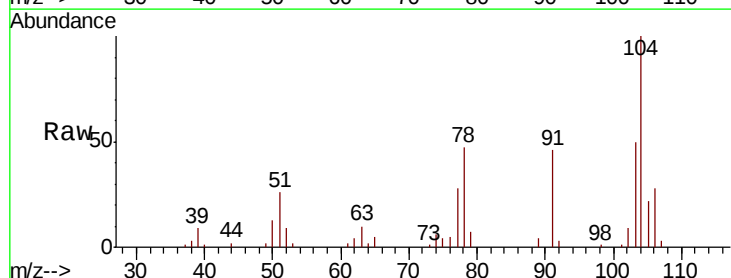
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

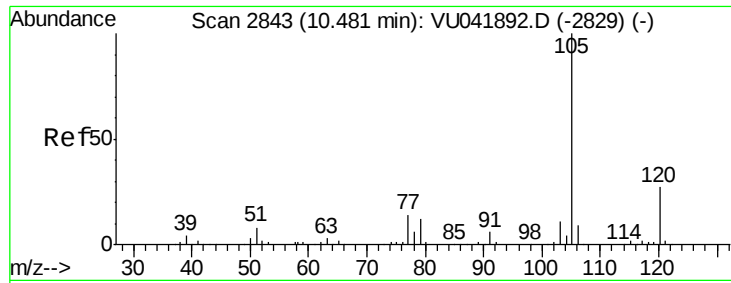
Tot Ion:106 Resp: 12745
Ion Ratio Lower Upper
106 100
91 222.1 147.3 273.6



#55
Styrene
Concen: 0.833 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041914.D
Acq: 11 Jan 2021 12:08

Tgt Ion:104 Resp: 20725
Ion Ratio Lower Upper
104 100
78 46.7 33.3 61.9





#56

Isopropylbenzene

Concen: 0.866 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :

MSVOA_U

ClientSampled :

VSTD00103

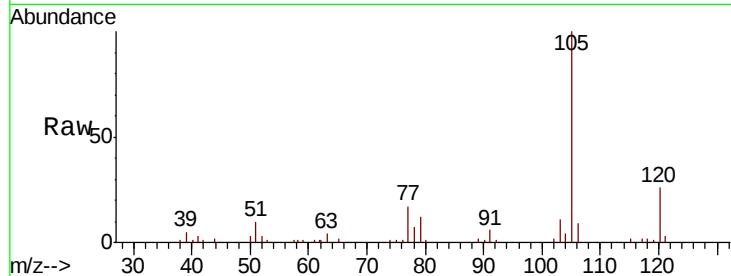
Tot Ion:105 Resp: 33273

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.6

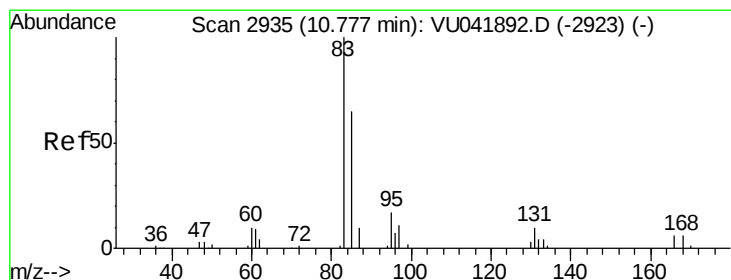
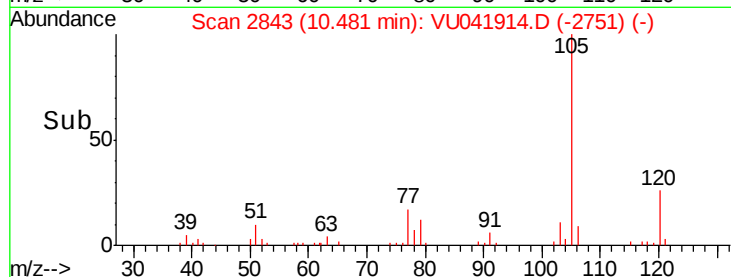
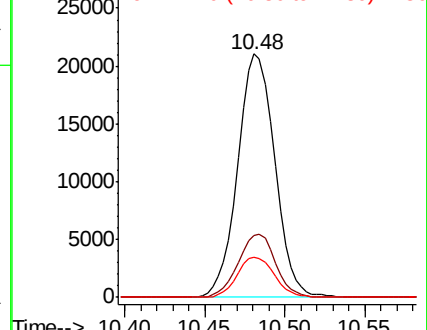
77 16.3 13.0 19.6



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: 0.984 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

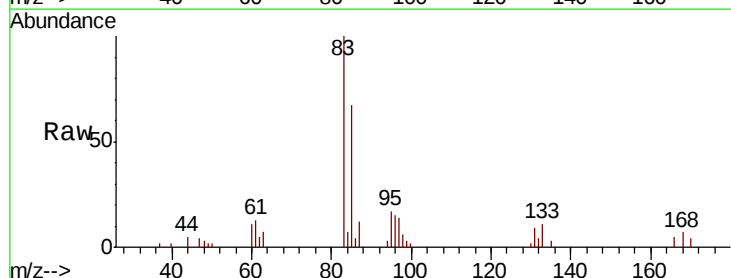
Tgt Ion: 83 Resp: 9035

Ion Ratio Lower Upper

83 100

85 66.6 45.4 84.2

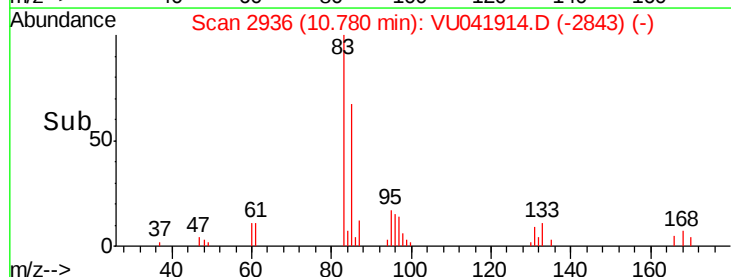
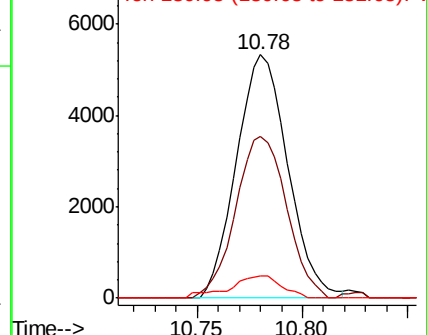
131 9.4 7.4 11.2

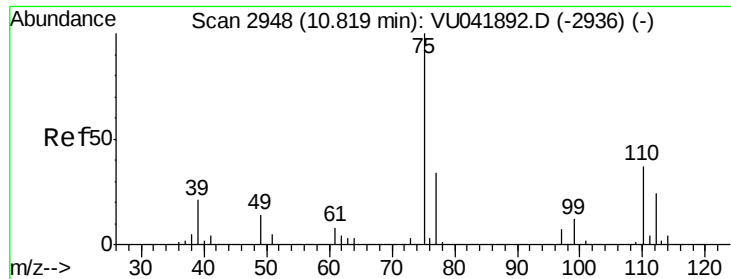


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

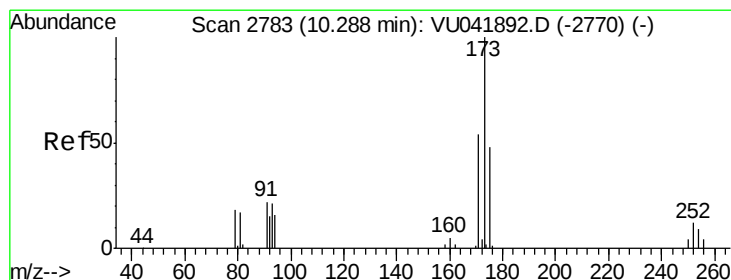
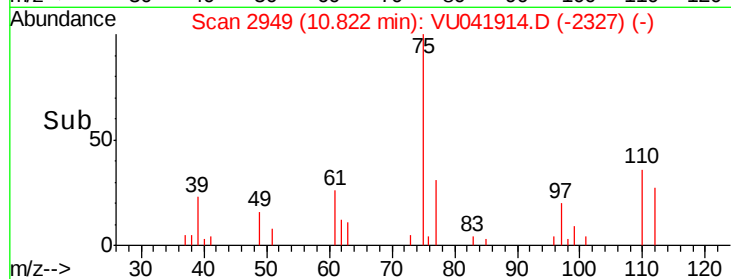
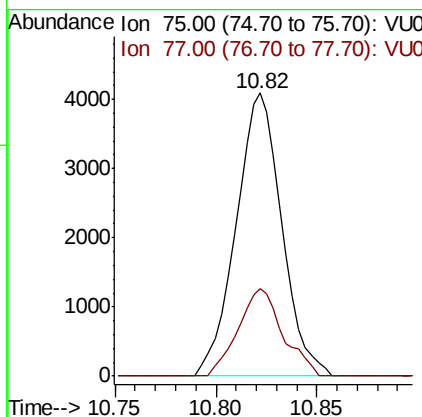
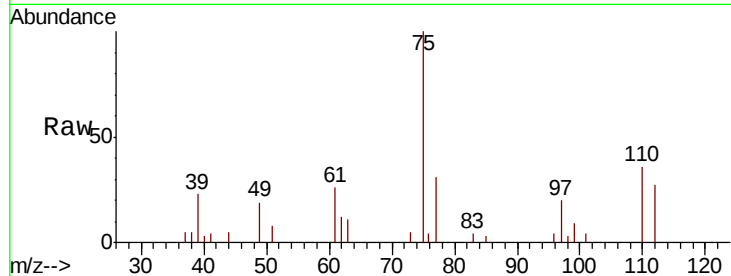




#59
 1,2,3-Trichloropropane
 Concen: 0.967 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

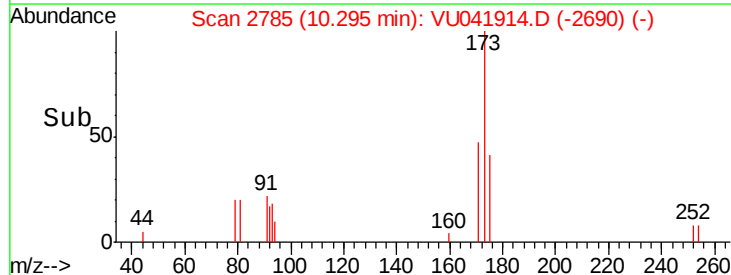
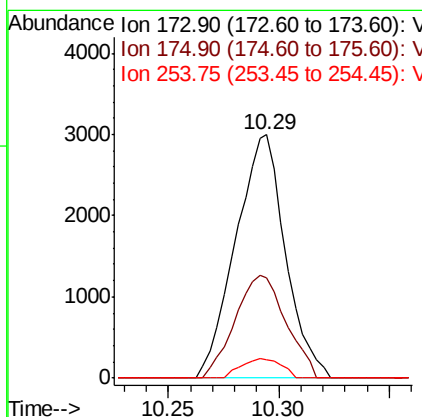
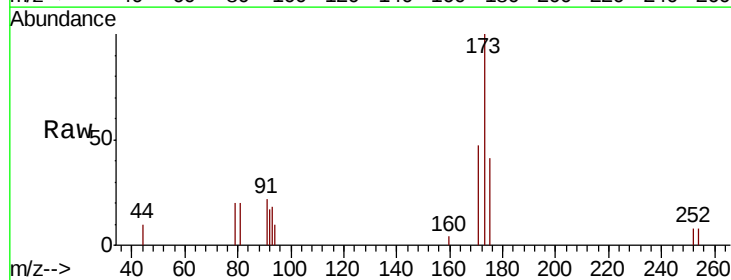
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

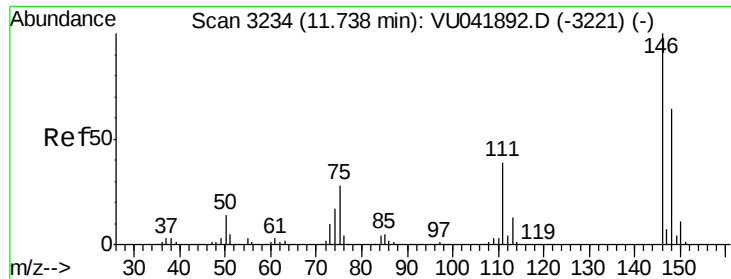
Tot Ion: 75 Resp: 6477
 Ion Ratio Lower Upper
 75 100
 77 30.3 27.0 40.4



#61
 Bromoform
 Concen: 1.017 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.01 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion:173 Resp: 4673
 Ion Ratio Lower Upper
 173 100
 175 43.3 36.1 54.1
 254 6.4 7.1 10.7#

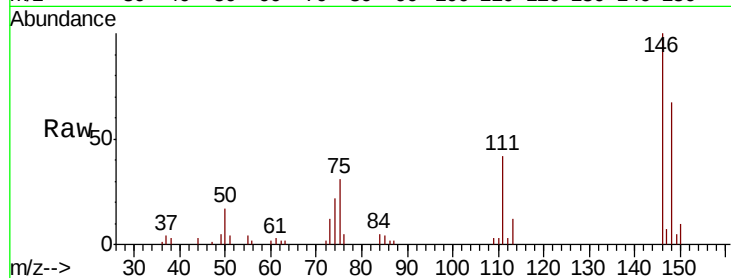




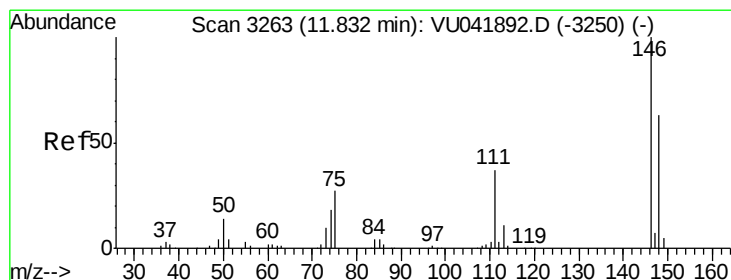
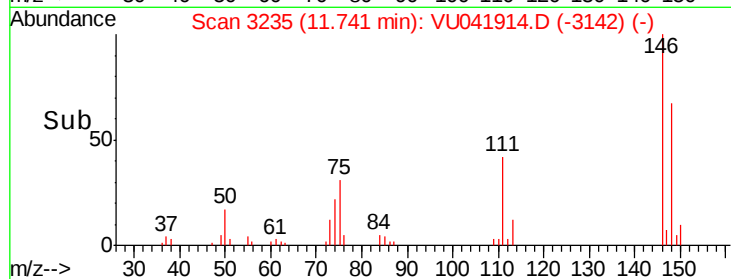
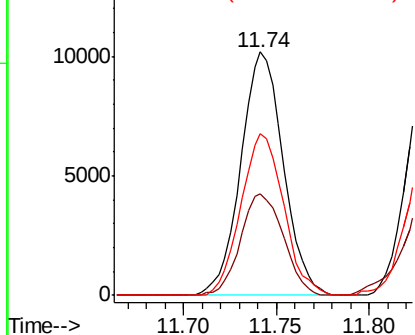
#62
 1,3-Dichlorobenzene
 Concen: 0.941 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion:146 Resp: 16187
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.7 53.3
 148 66.6 43.2 80.2

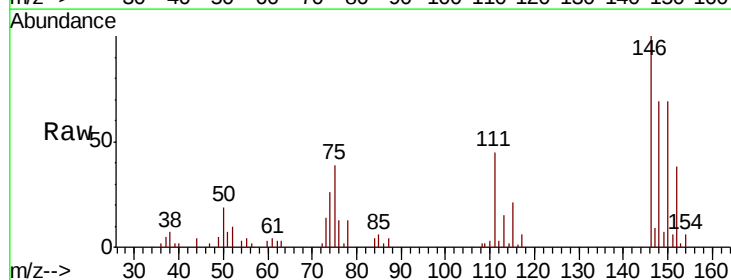


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

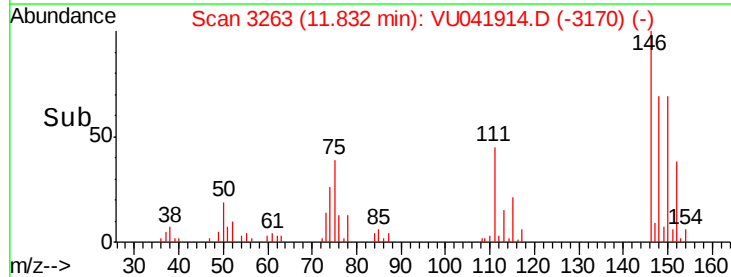
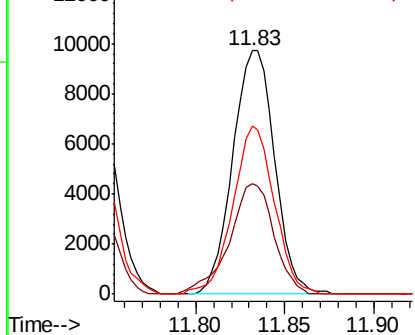


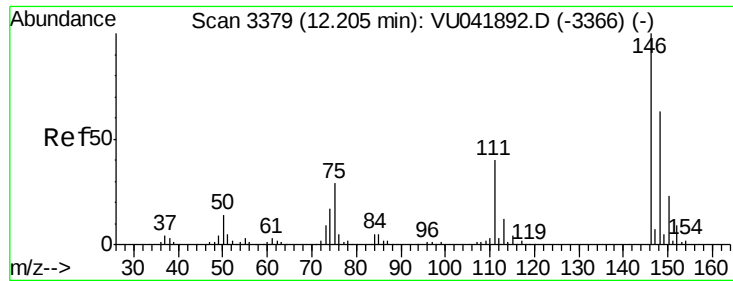
#63
 1,4-Dichlorobenzene
 Concen: 0.926 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion:146 Resp: 15990
 Ion Ratio Lower Upper
 146 100
 111 45.2 28.4 52.8
 148 69.0 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

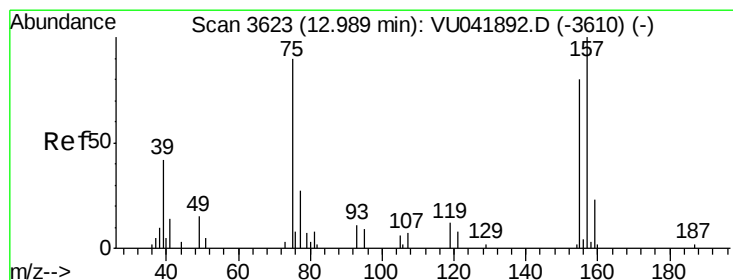
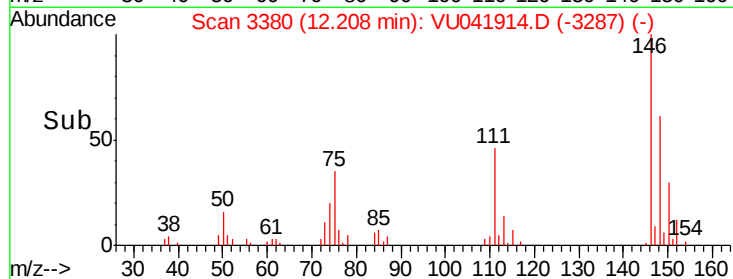
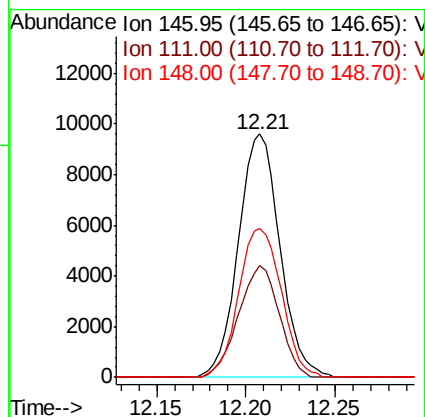
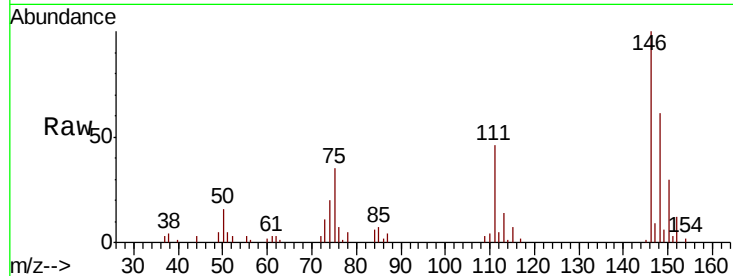




#65
 1,2-Dichlorobenzene
 Concen: 0.946 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

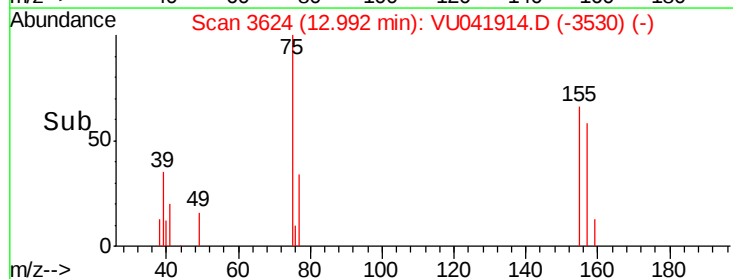
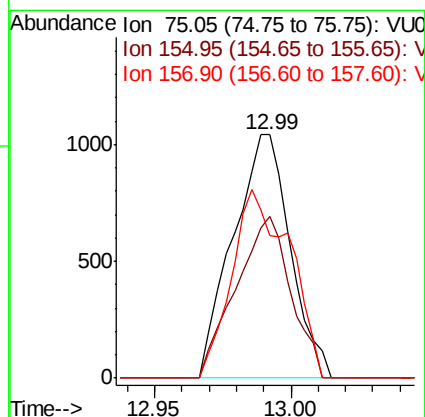
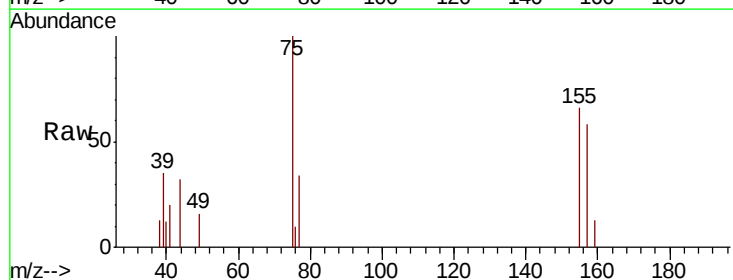
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

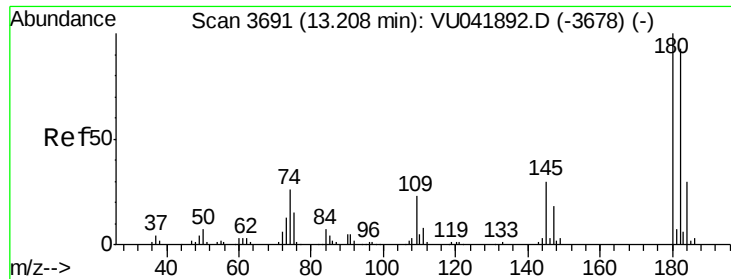
Tot Ion:146 Resp: 15659
 Ion Ratio Lower Upper
 146 100
 111 45.8 32.4 48.6
 148 60.9 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.009 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion: 75 Resp: 1517
 Ion Ratio Lower Upper
 75 100
 155 66.4 60.6 91.0
 157 58.3 81.0 121.6#

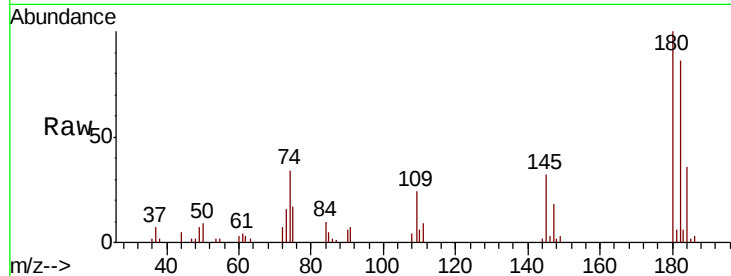




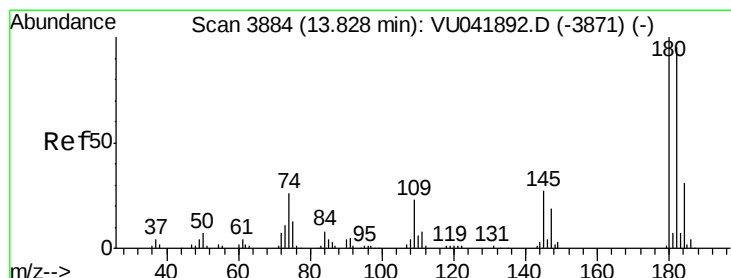
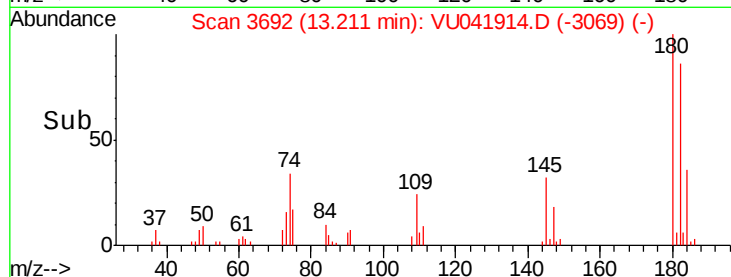
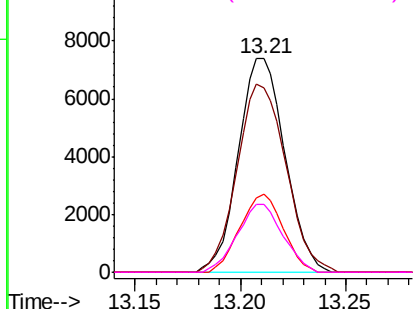
#67
 1,3,5-Trichlorobenzene
 Concen: 0.903 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion:180 Resp: 11344
 Ion Ratio Lower Upper
 180 100
 182 92.4 74.6 111.8
 184 33.5 23.8 35.6
 145 31.0 24.6 37.0

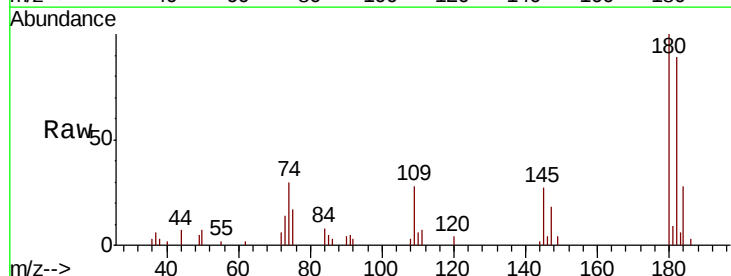


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

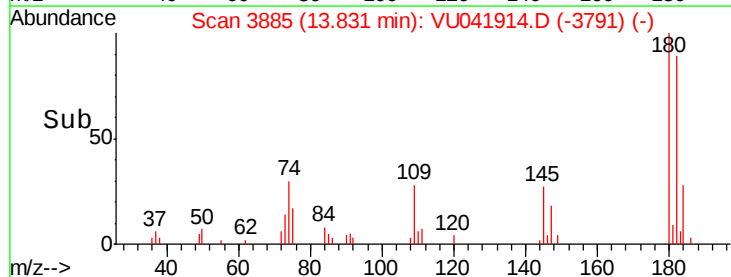
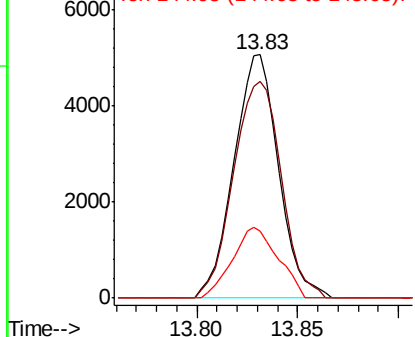


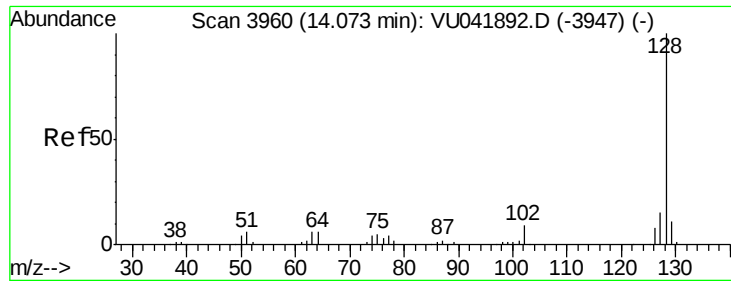
#68
 1,2,4-trichlorobenzene
 Concen: 0.831 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041914.D
 Acq: 11 Jan 2021 12:08

Tgt Ion:180 Resp: 7863
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.2 115.8
 145 29.6 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: 0.669 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

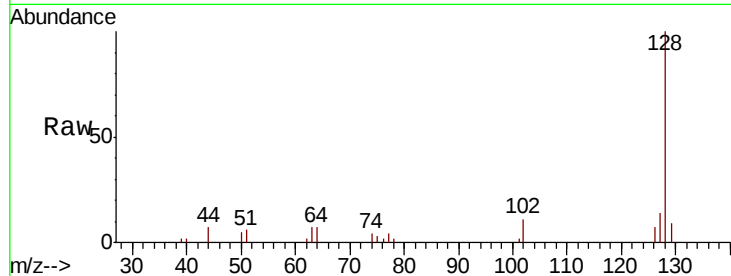
Tot Ion:128 Resp: 10733

Ion Ratio Lower Upper

128 100

129 9.3 8.6 12.8

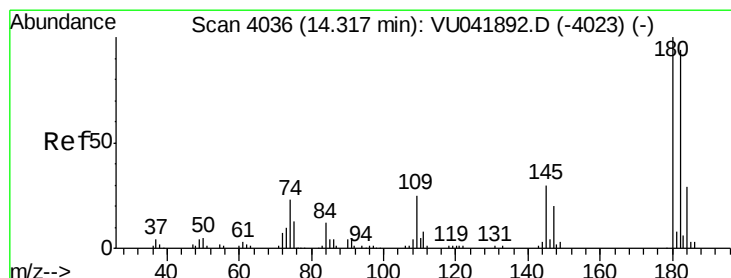
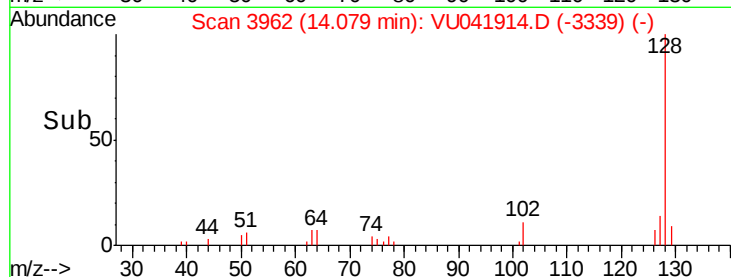
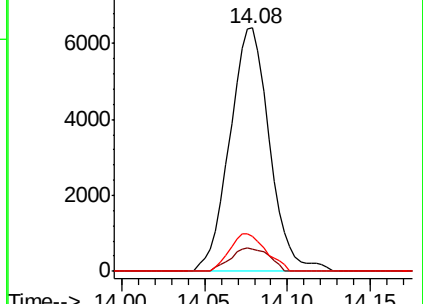
127 14.0 10.7 16.1



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: 0.842 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041914.D

Acq: 11 Jan 2021 12:08

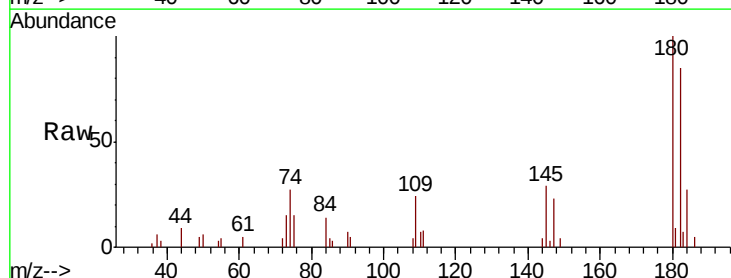
Tgt Ion:180 Resp: 7539

Ion Ratio Lower Upper

180 100

182 89.1 77.0 115.4

145 31.8 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

