

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041602.D
 Acq On : 14 Dec 2020 10:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Dec 14 12:40:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Dec 14 12:40:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	140385	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135182	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	74463	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	53249	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.92	69	41755	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.58	63	100002	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.00%
20) 2-Butanone-d5	4.65	46	167142	53.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	5.08	84	94831	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.71	65	53504	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.74	84	194530	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.70	67	59927	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.90	98	179554	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	8.18	79	28201	5.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.40%
46) 2-Hexanone-d5	8.64	63	147659	49.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	57122	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	65260	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	61263	5.151	ug/L 99
3) Chloromethane	1.53	50	56059	4.852	ug/L 98
5) Vinyl chloride	1.61	62	63090	4.945	ug/L 98
6) Bromomethane	1.87	94	43203	5.416	ug/L 100
8) Chloroethane	1.94	64	37927	4.376	ug/L 95
9) Trichlorofluoromethane	2.15	101	86231	5.340	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	50552	5.234	ug/L 96
12) 1,1-Dichloroethene	2.59	96	47554	4.994	ug/L 92
13) Acetone	2.66	43	104527	52.125	ug/L 97
14) Carbon disulfide	2.81	76	168522	5.120	ug/L 100
15) Methyl Acetate	2.97	43	26763	5.134	ug/L 97
16) Methylene chloride	3.06	84	55924	4.917	ug/L 94
17) Methyl tert-butyl Ether	3.38	73	131953	5.193	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	51891	5.268	ug/L 95
19) 1,1-Dichloroethane	3.89	63	92580	5.029	ug/L 99
21) 2-Butanone	4.73	43	177061	54.208	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	55339	5.083	ug/L 99

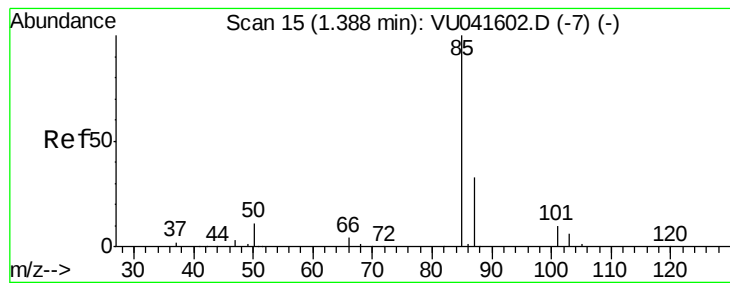
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121420\
 Data File : VU041602.D
 Acq On : 14 Dec 2020 10:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Dec 14 12:40:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Dec 14 12:40:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26481	5.295	ug/L	97
25) Chloroform	5.10	83	94964	5.122	ug/L	98
27) 1,2-Dichloroethane	5.81	62	66309	5.281	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	82052	5.285	ug/L	98
30) Cyclohexane	5.40	56	85685	4.924	ug/L	96
31) Carbon tetrachloride	5.54	117	72250	5.382	ug/L	100
33) Benzene	5.79	78	219267	5.072	ug/L	100
34) Trichloroethene	6.55	95	56615	5.211	ug/L	94
35) Methylcyclohexane	6.77	83	92240	5.252	ug/L	98
37) 1,2-Dichloropropane	6.80	63	54838	4.959	ug/L	98
38) Bromodichloromethane	7.11	83	70998	5.161	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	84880	5.180	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	405910	51.585	ug/L	99
42) Toluene	7.97	91	231306	5.182	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	78115	5.331	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	43919	5.370	ug/L	96
47) Tetrachloroethene	8.56	164	40979	5.388	ug/L	98
48) 2-Hexanone	8.69	43	306960	53.602	ug/L	99
49) Dibromochloromethane	8.81	129	50853	5.414	ug/L	98
50) 1,2-Dibromoethane	8.93	107	42507	5.255	ug/L	98
51) Chlorobenzene	9.45	112	147337	5.310	ug/L	99
52) Ethylbenzene	9.57	91	246545	5.187	ug/L	100
53) m,p-Xylene	9.69	106	96105	5.422	ug/L	99
54) o-Xylene	10.10	106	91934	5.295	ug/L	98
55) Styrene	10.11	104	159607	5.322	ug/L	94
56) Isopropylbenzene	10.48	105	244151	5.283	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	59342	5.215	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	44134	5.314	ug/L	97
61) Bromoform	10.29	173	30171	5.360	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	121386	5.330	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	118984	5.196	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	114603	5.139	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10651	5.093	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	90485	5.234	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	75222	5.185	ug/L	98
69) Naphthalene	14.07	128	148011	4.929	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	69778	5.047	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.151 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

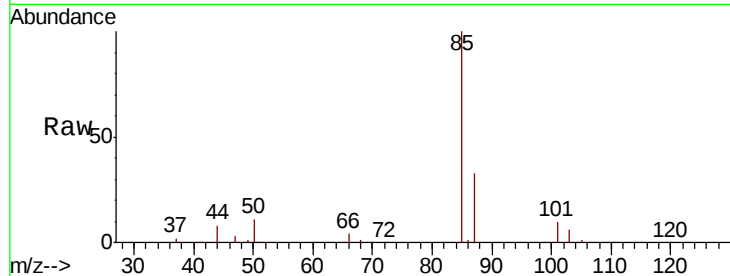
VSTD00514

Tot Ion: 85 Resp: 61263

Ion Ratio Lower Upper

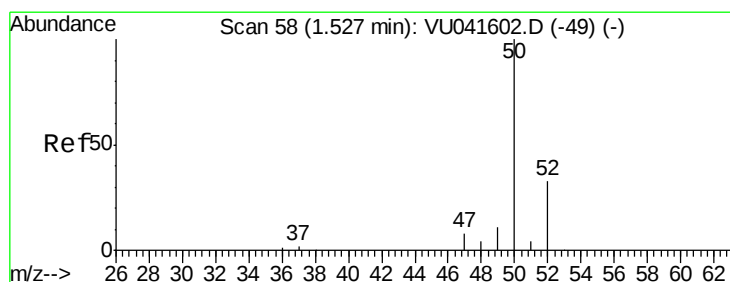
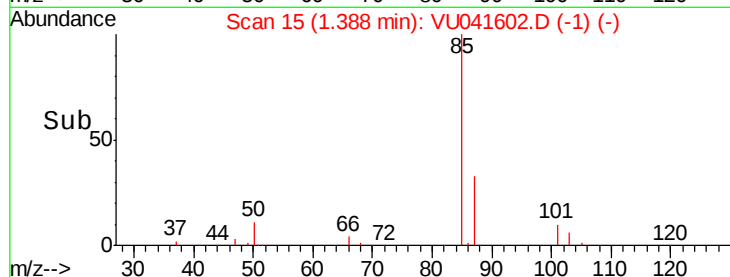
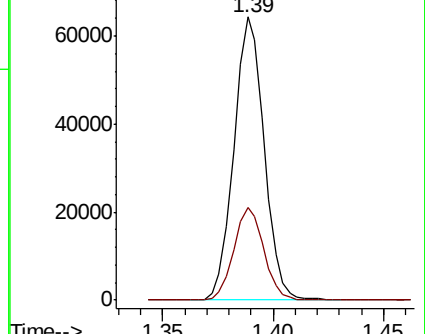
85 100

87 32.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041602.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041602.D (-7) (-)



#3

Chloromethane

Concen: 4.852 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041602.D

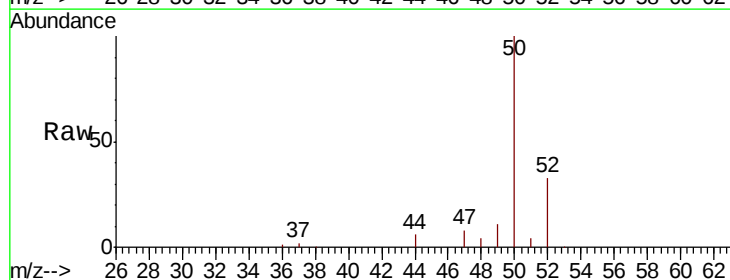
Acq: 14 Dec 2020 10:33

Tgt Ion: 50 Resp: 56059

Ion Ratio Lower Upper

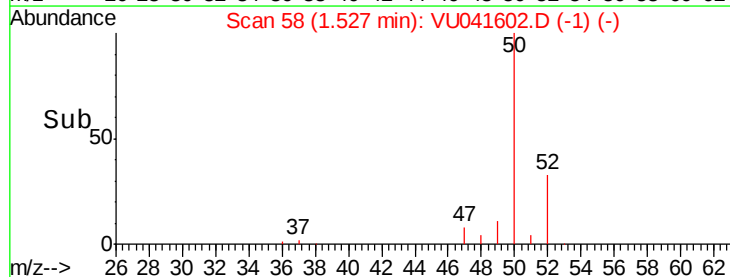
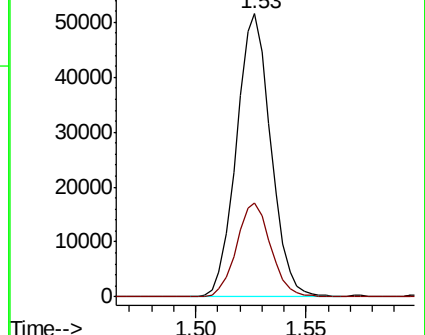
50 100

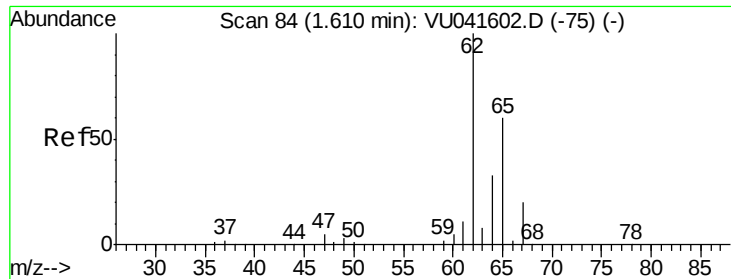
52 33.3 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041602.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041602.D (-49) (-)





#5

Vinyl chloride

Concen: 4.945 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleID :

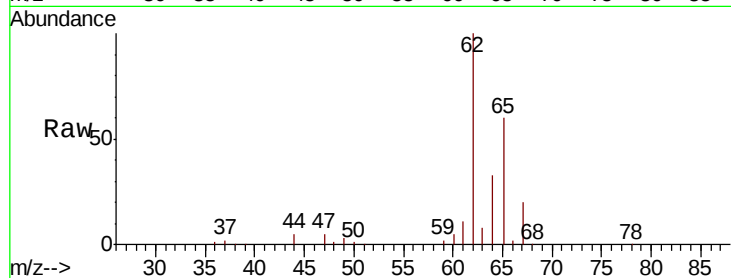
VSTD00514

Tot Ion: 62 Resp: 63090

Ion Ratio Lower Upper

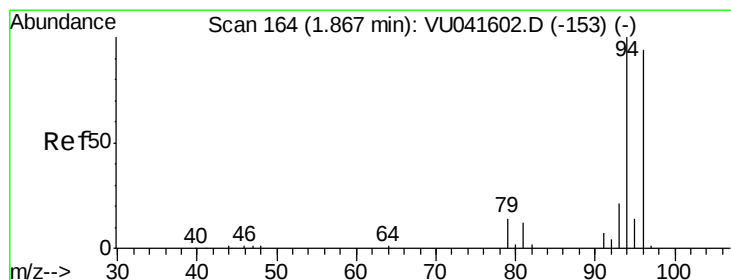
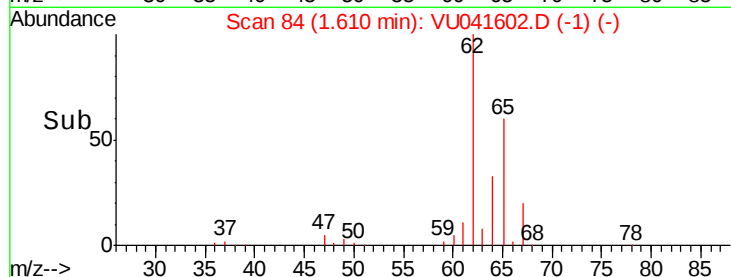
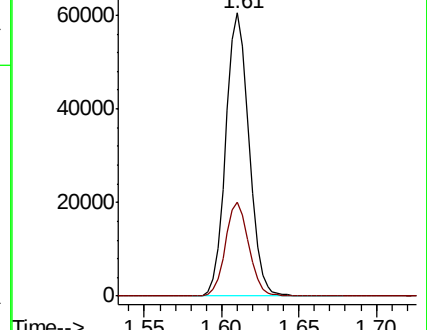
62 100

64 33.3 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041602.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041602.D (-75) (-)



#6

Bromomethane

Concen: 5.416 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041602.D

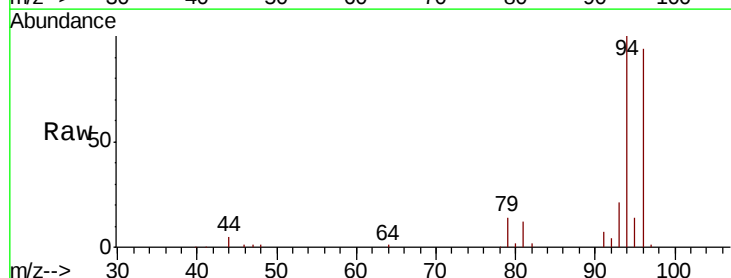
Acq: 14 Dec 2020 10:33

Tgt Ion: 94 Resp: 43203

Ion Ratio Lower Upper

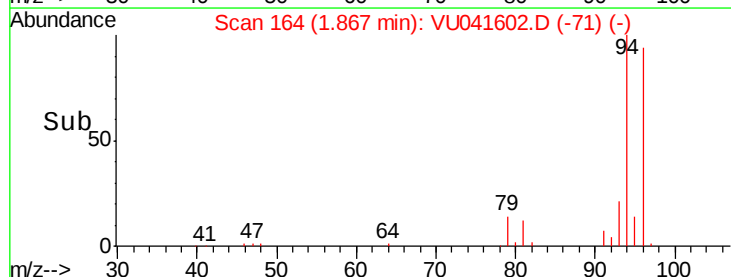
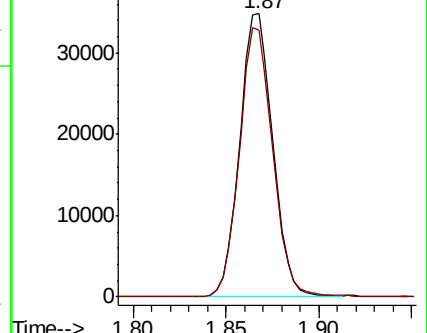
94 100

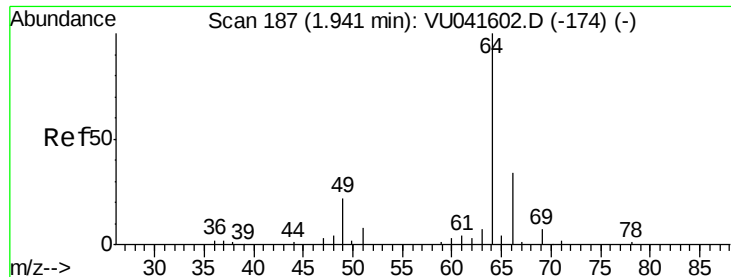
96 94.0 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU041602.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU041602.D (-153) (-)

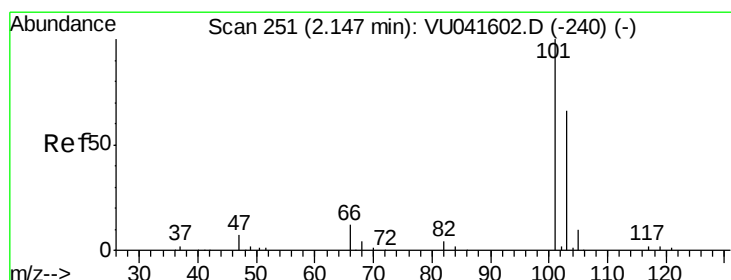
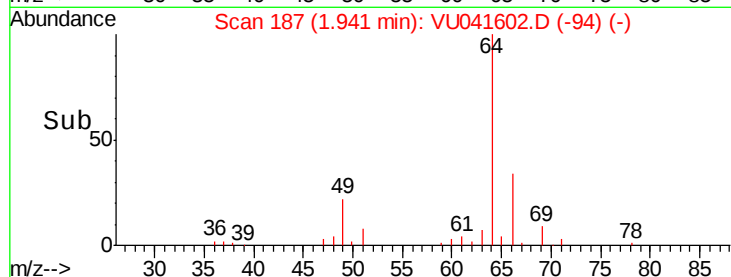
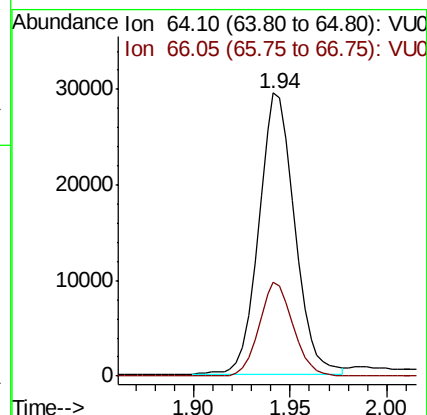
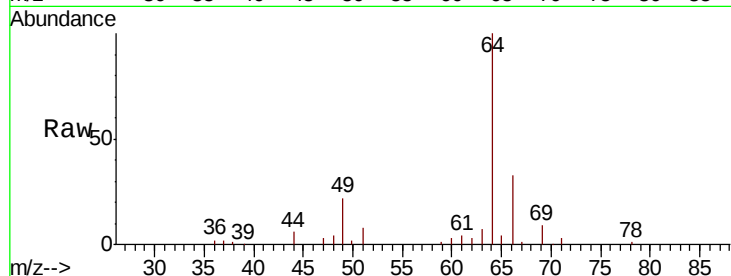




#8
Chloroethane
Concen: 4.376 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

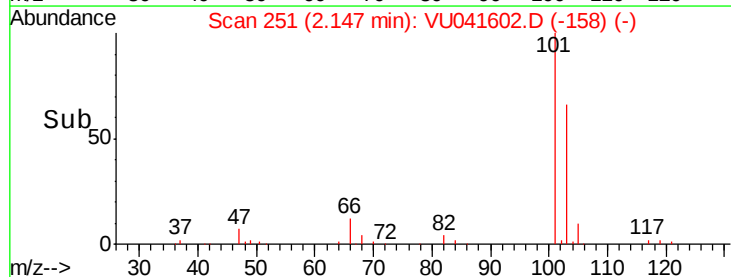
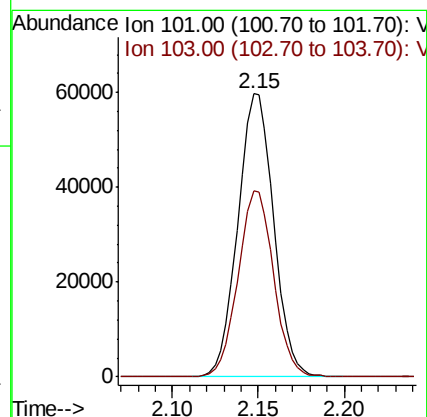
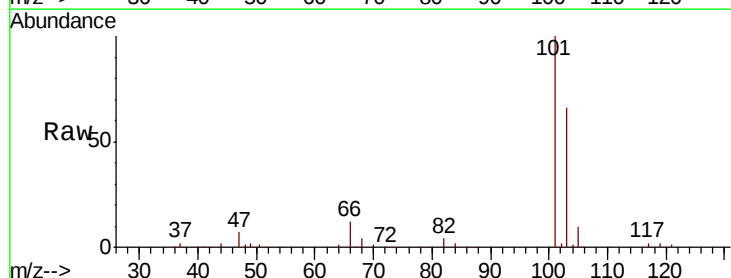
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

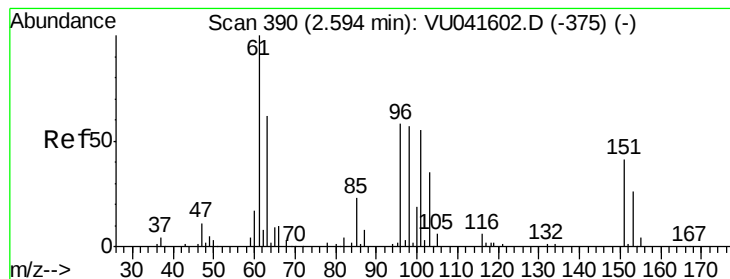
Tot Ion: 64 Resp: 37927
Ion Ratio Lower Upper
64 100
66 33.4 21.6 40.0



#9
Trichlorofluoromethane
Concen: 5.340 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

Tgt Ion:101 Resp: 86231
Ion Ratio Lower Upper
101 100
103 65.1 51.1 76.7





#10

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

Concen: 5.234 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

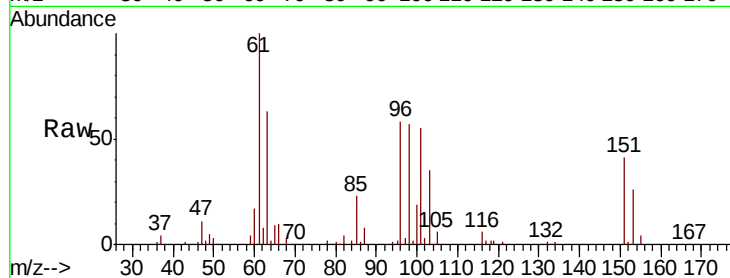
Tot Ion:101 Resp: 50552

Ion Ratio Lower Upper

101 100

85 42.3 33.6 50.4

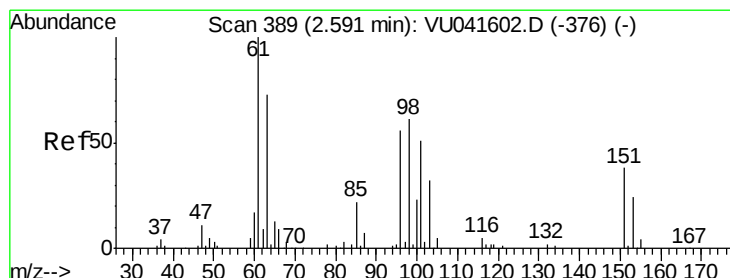
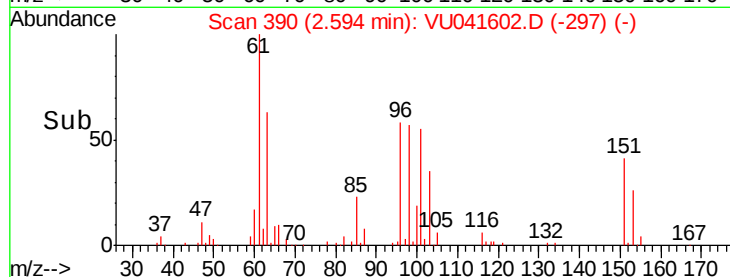
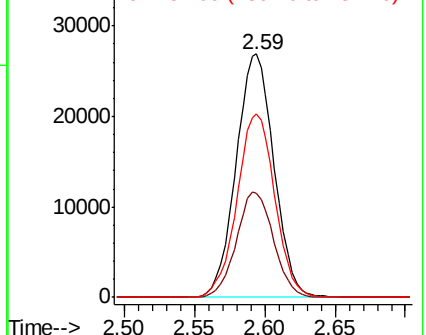
151 75.2 56.2 84.4



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: 4.994 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

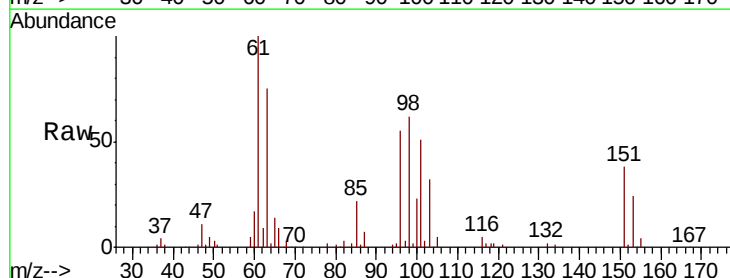
Tgt Ion: 96 Resp: 47554

Ion Ratio Lower Upper

96 100

61 180.4 123.8 230.0

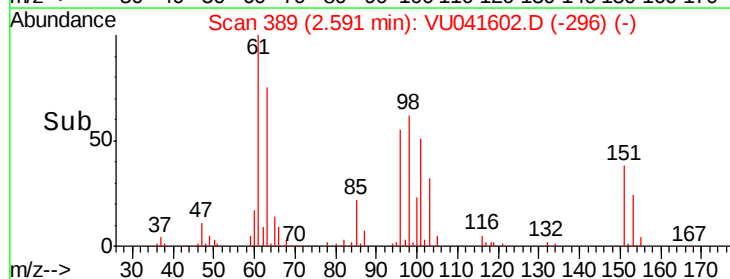
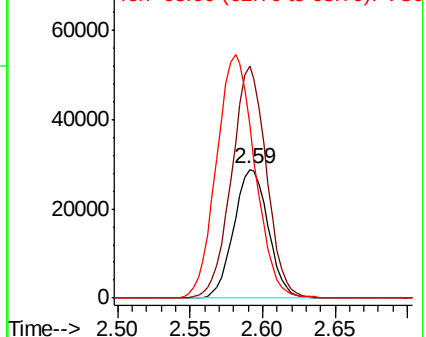
63 134.7 81.0 150.4

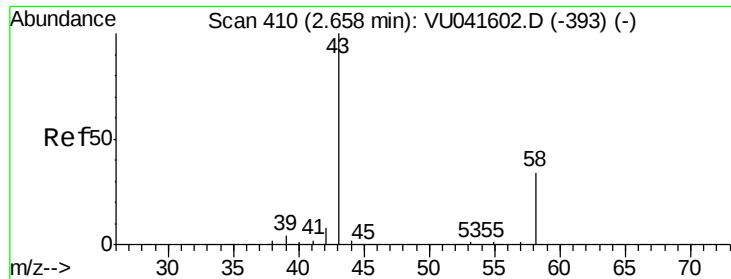


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.125 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

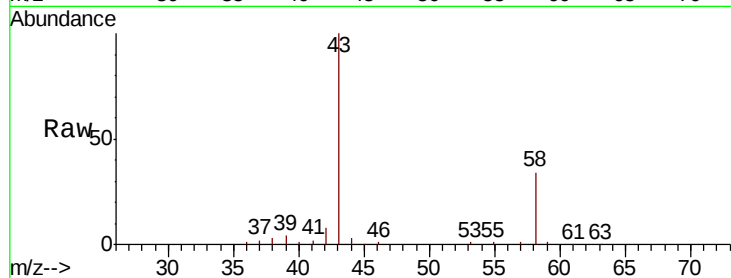
VSTD00514

Tot Ion: 43 Resp: 104527

Ion Ratio Lower Upper

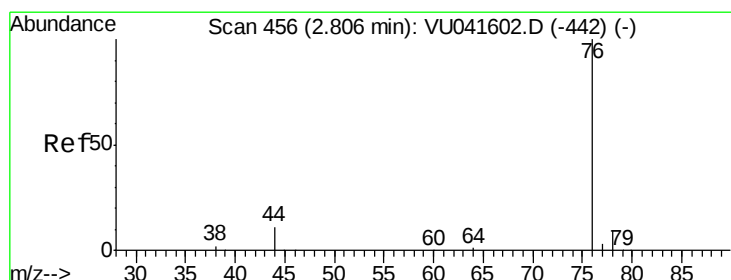
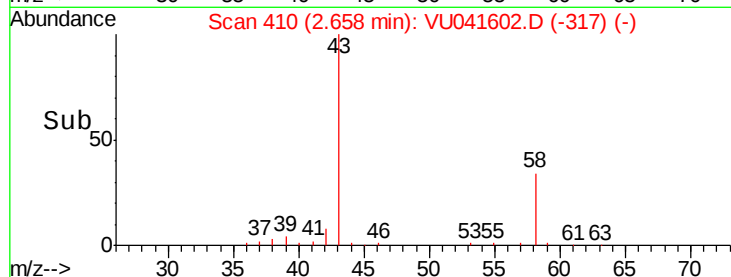
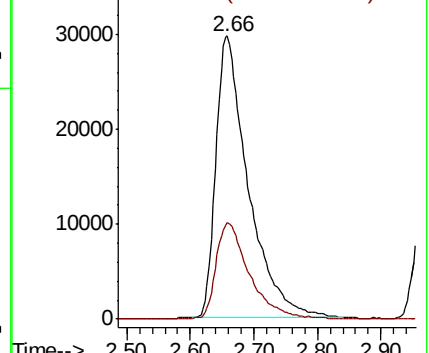
43 100

58 35.0 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.120 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041602.D

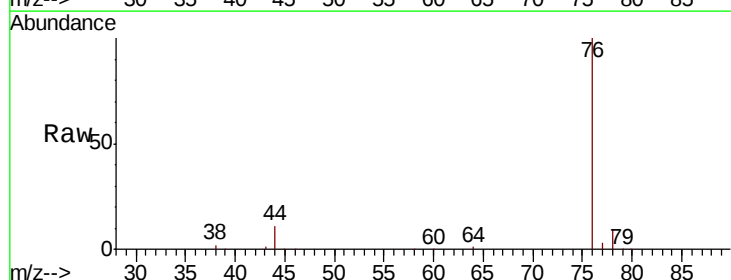
Acq: 14 Dec 2020 10:33

Tgt Ion: 76 Resp: 168522

Ion Ratio Lower Upper

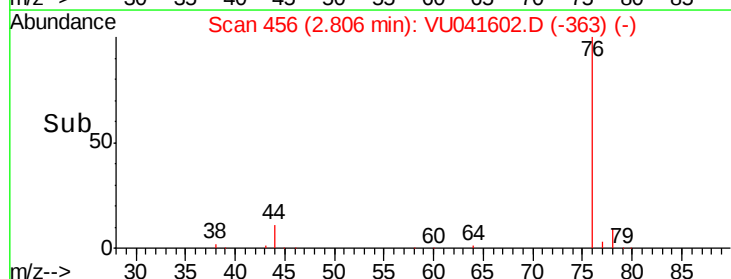
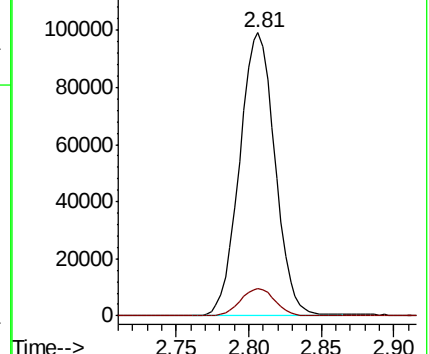
76 100

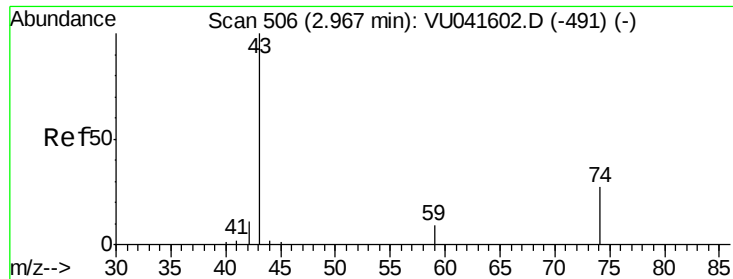
78 9.5 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

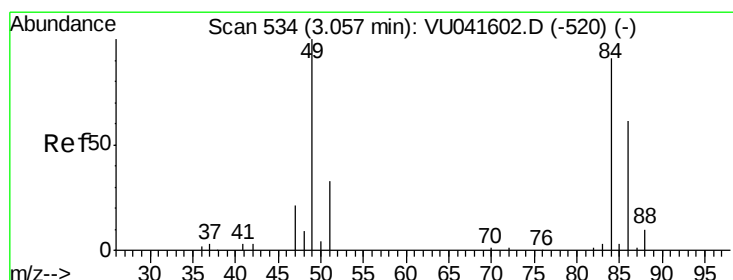
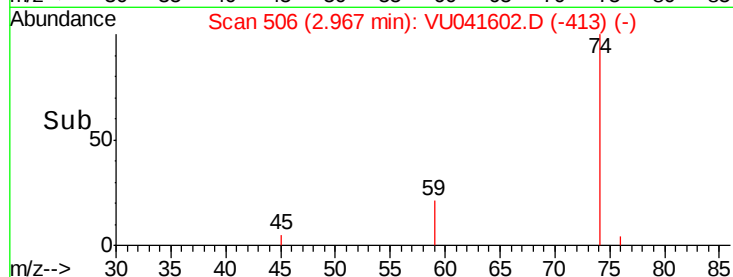
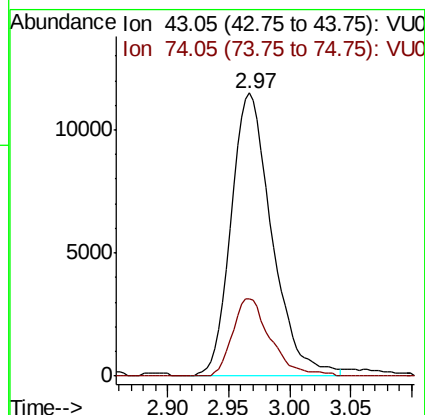
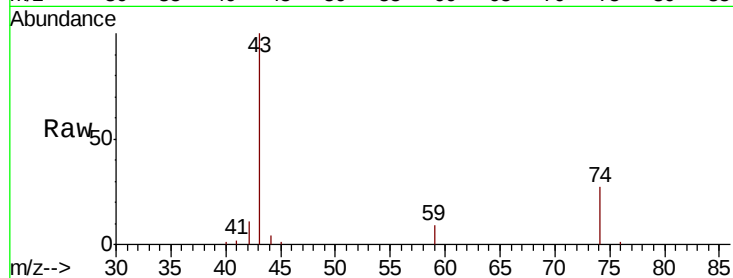




#15
Methyl Acetate
Concen: 5.134 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

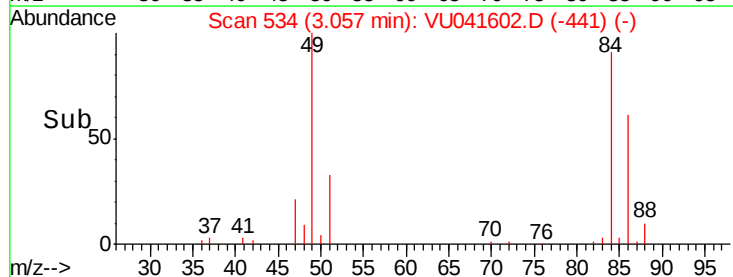
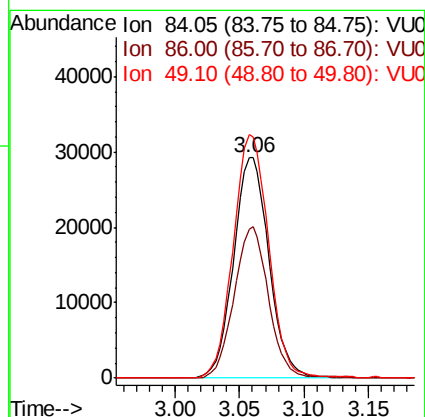
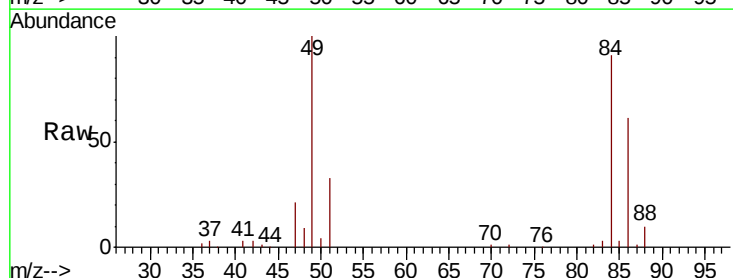
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

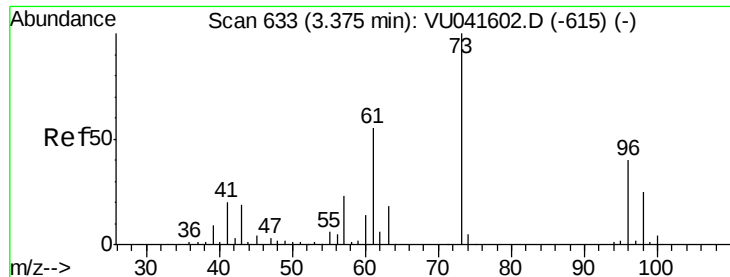
Tot Ion: 43 Resp: 26763
Ion Ratio Lower Upper
43 100
74 25.6 19.2 28.8



#16
Methylene chloride
Concen: 4.917 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

Tgt Ion: 84 Resp: 55924
Ion Ratio Lower Upper
84 100
86 67.5 45.1 83.7
49 110.4 83.1 154.3

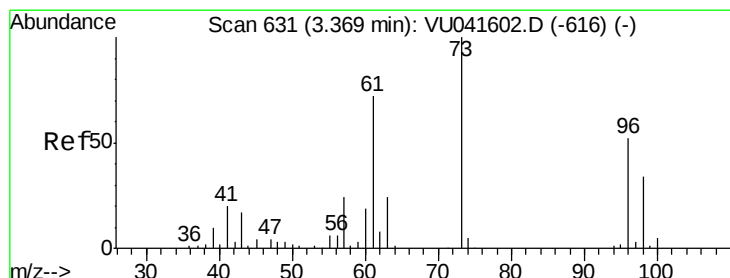
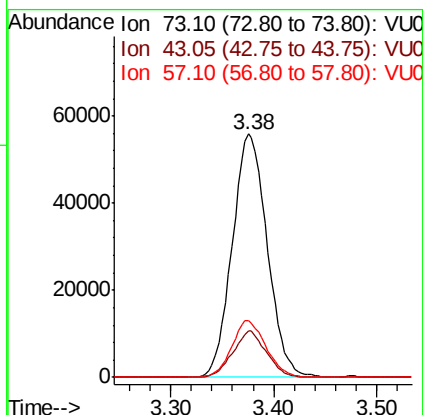
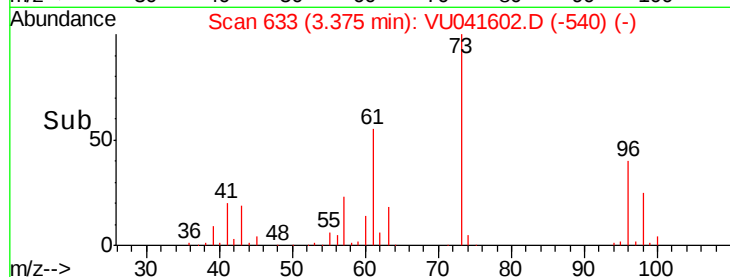
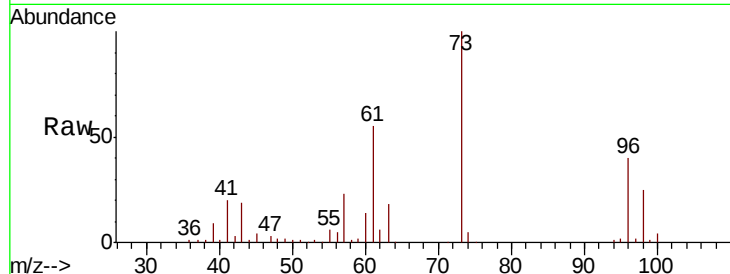




#17
Methvl tert-butvl Ether
Concen: 5.193 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

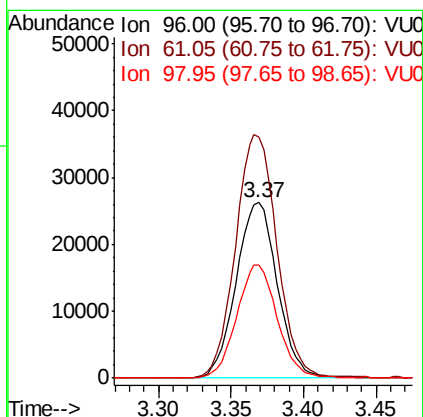
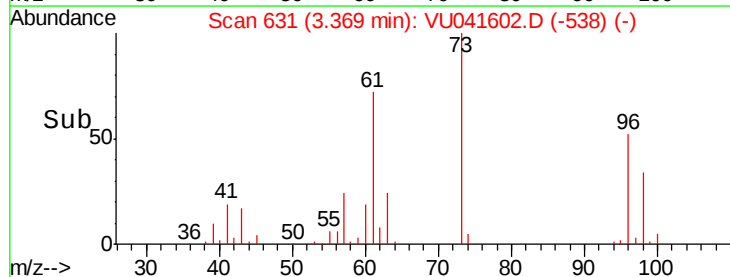
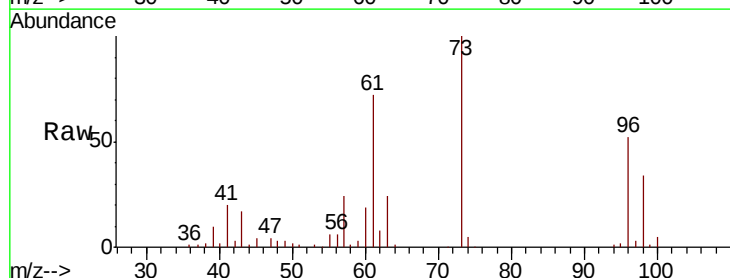
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

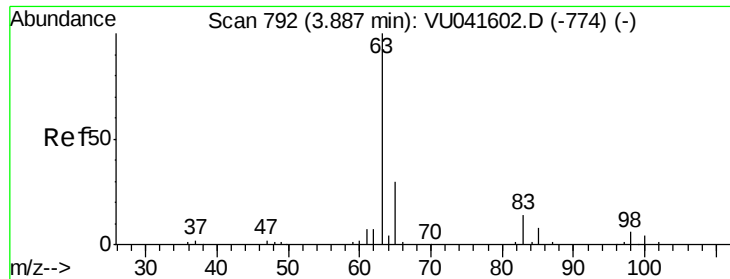
Tot Ion: 73 Resp: 131953
Ion Ratio Lower Upper
73 100
43 18.2 14.7 22.1
57 22.9 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 5.268 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

Tgt Ion: 96 Resp: 51891
Ion Ratio Lower Upper
96 100
61 137.1 101.8 189.0
98 64.3 44.4 82.5

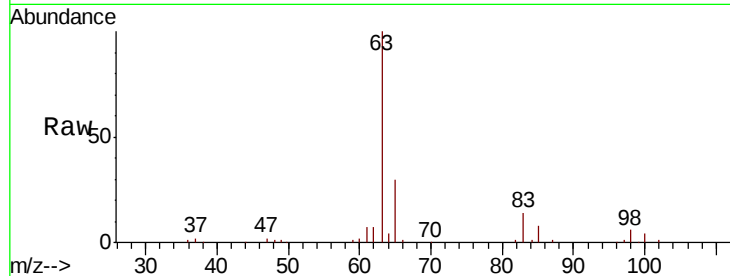




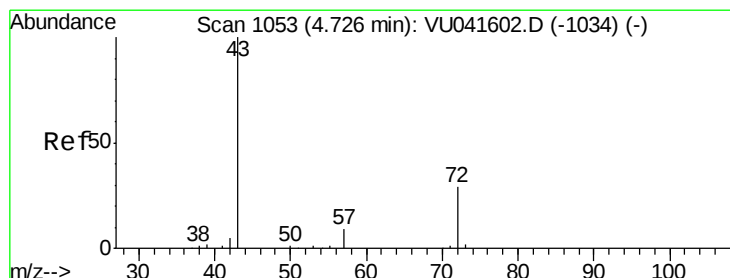
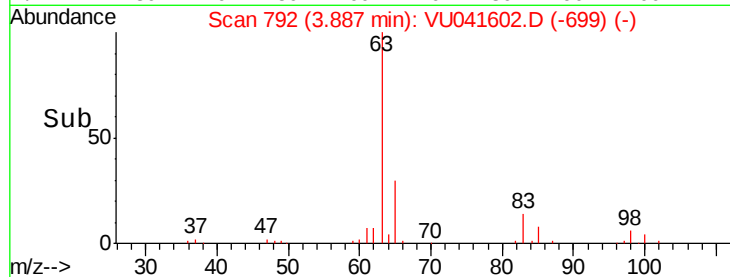
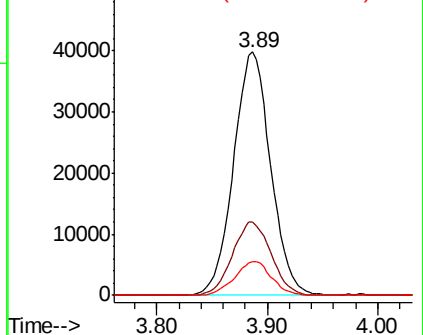
#19
 1,1-Dichloroethane
 Concen: 5.029 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion: 63 Resp: 92580
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.3 39.6
 83 13.7 9.3 17.3

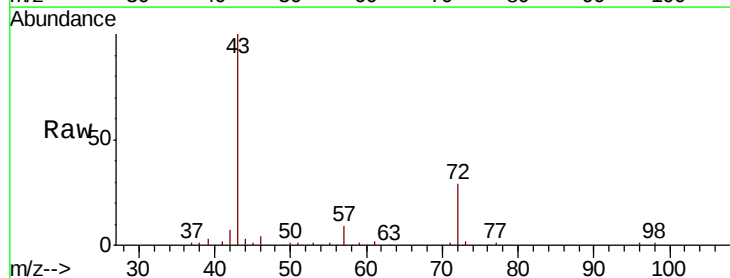


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

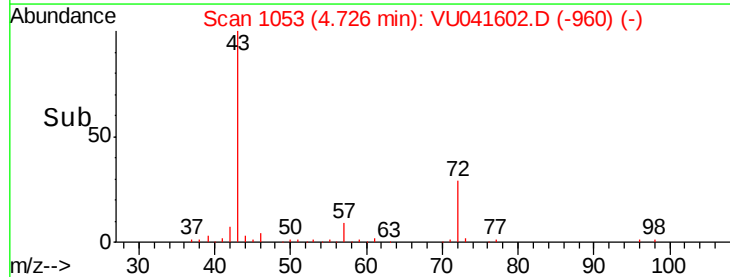
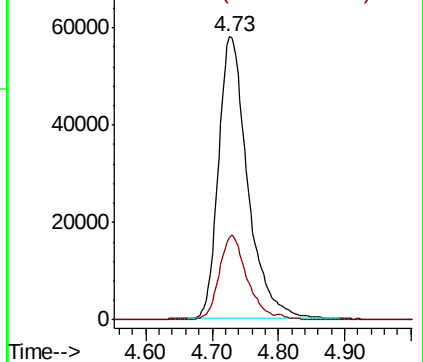


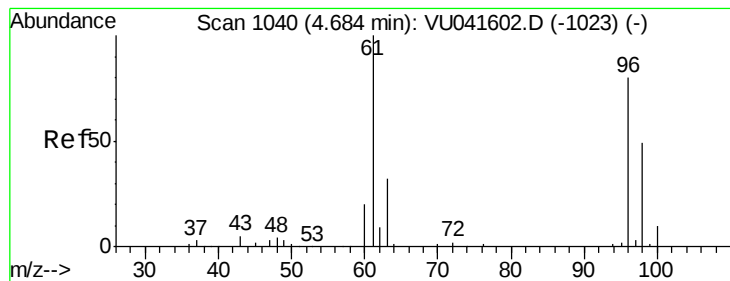
#21
 2-Butanone
 Concen: 54.208 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

Tgt Ion: 43 Resp: 177061
 Ion Ratio Lower Upper
 43 100
 72 28.5 14.6 44.0



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: 5.083 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

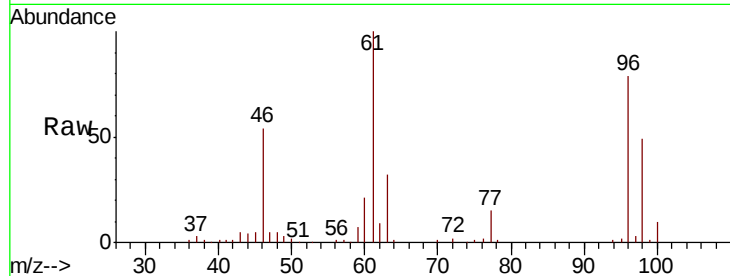
Tot Ion: 96 Resp: 55339

Ion Ratio Lower Upper

96 100

61 125.9 88.8 165.0

68 0.0 0.0 0.0

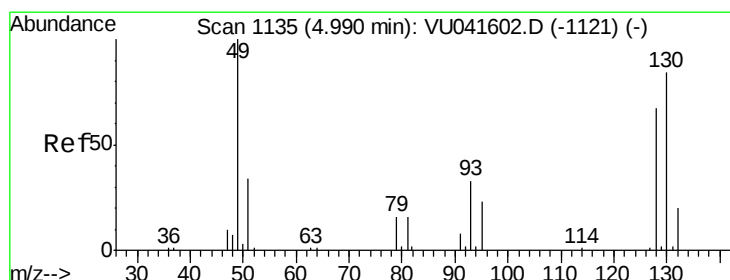
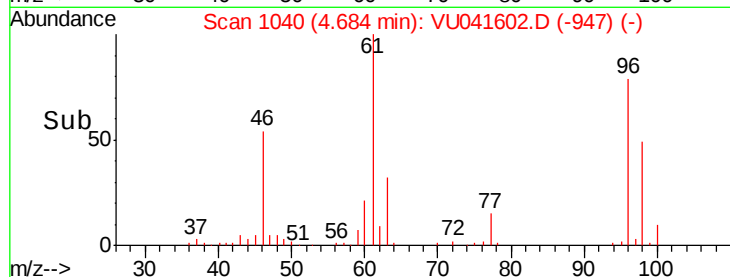
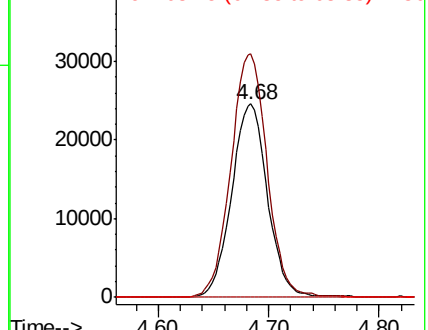


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.295 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Tgt Ion:128 Resp: 26481

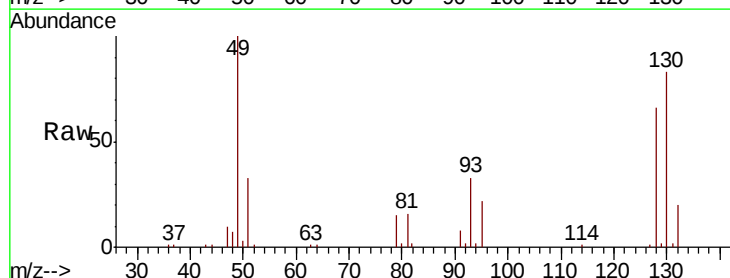
Ion Ratio Lower Upper

128 100

49 151.2 109.3 203.1

130 125.5 84.8 157.6

51 50.6 40.6 61.0



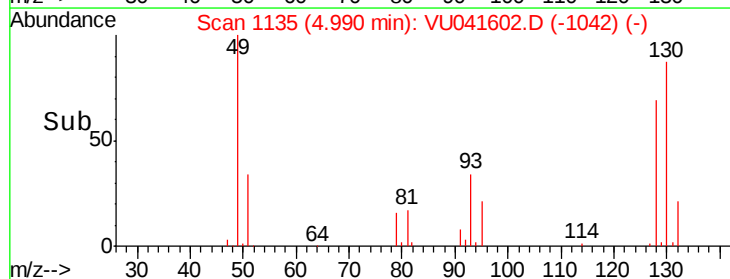
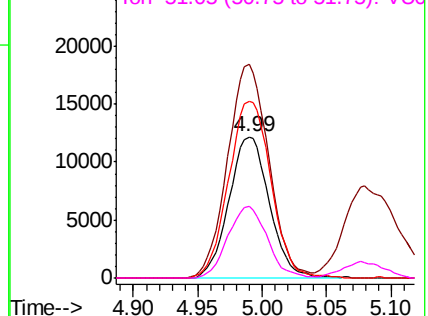
Abundance

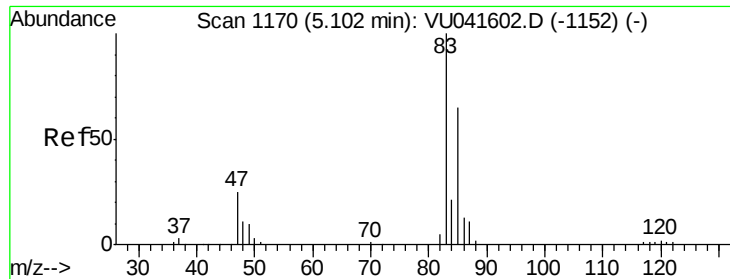
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

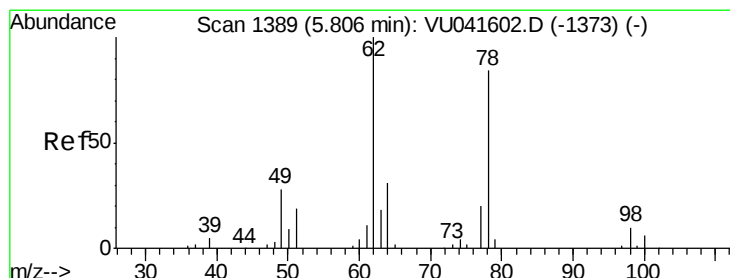
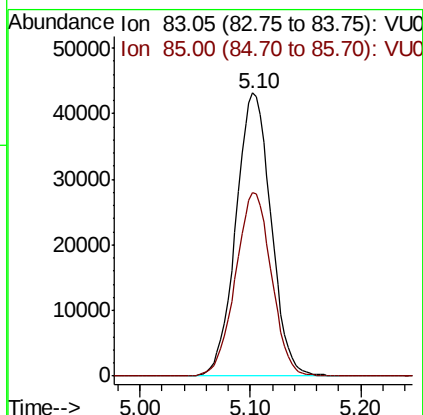
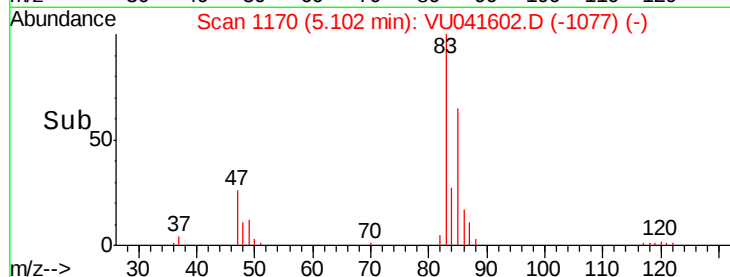
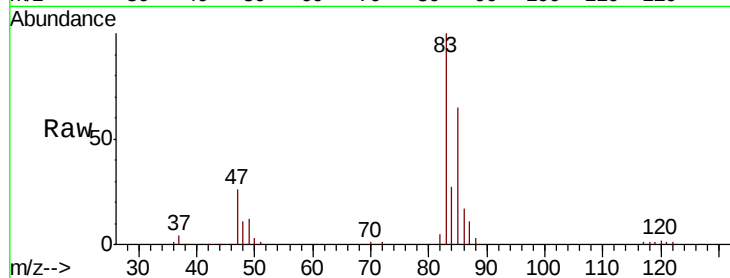




#25
Chloroform
Concen: 5.122 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

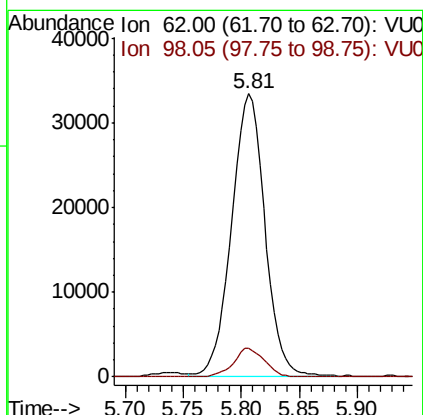
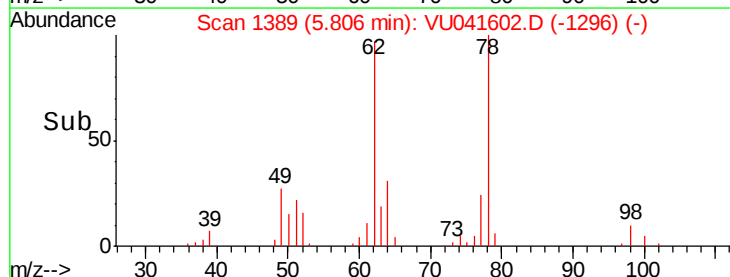
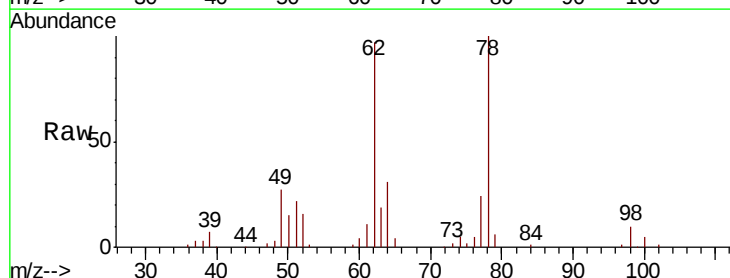
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

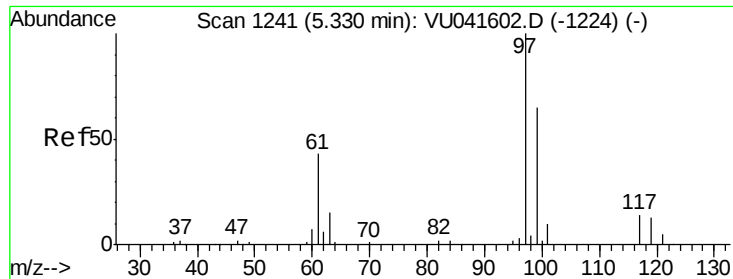
Tot Ion: 83 Resp: 94964
Ion Ratio Lower Upper
83 100
85 65.0 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.281 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

Tgt Ion: 62 Resp: 66309
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.2

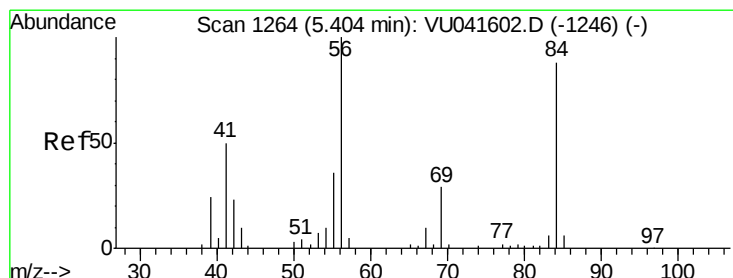
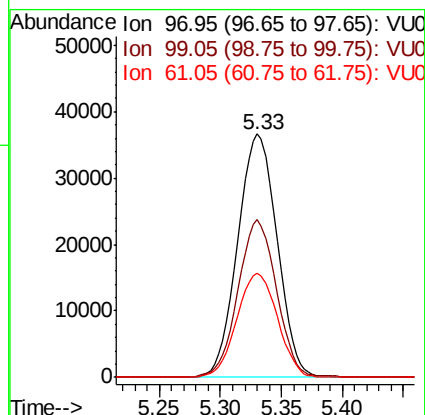
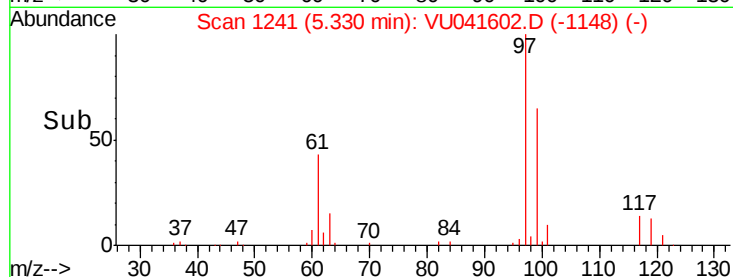
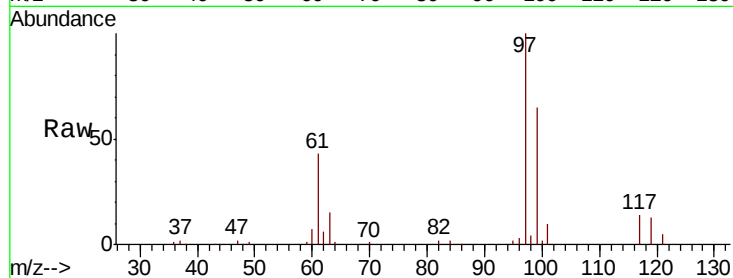




#29
 1,1,1-Trichloroethane
 Concen: 5.285 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

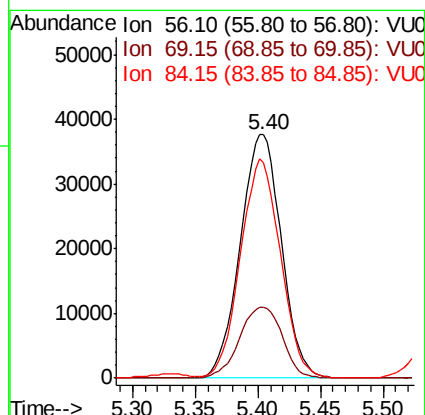
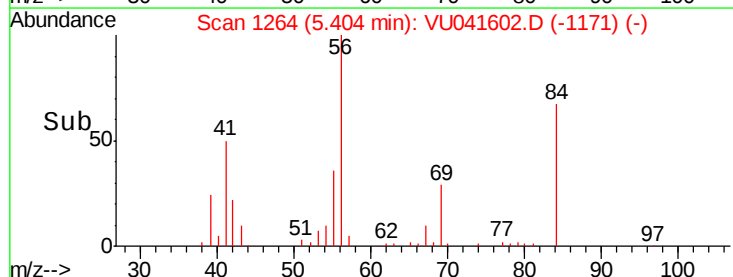
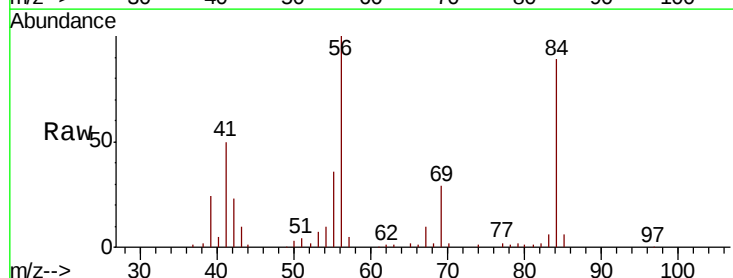
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

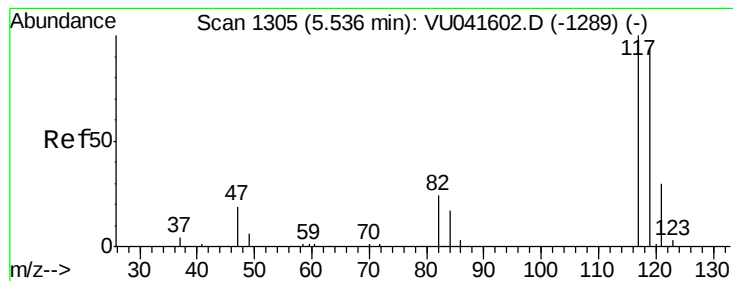
Tot Ion: 97 Resp: 82052
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.3 76.9
 61 44.0 36.5 54.7



#30
 Cyclohexane
 Concen: 4.924 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

Tgt Ion: 56 Resp: 85685
 Ion Ratio Lower Upper
 56 100
 69 30.2 23.8 35.8
 84 87.4 66.2 99.4





#31

Carbon tetrachloride

Concen: 5.382 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

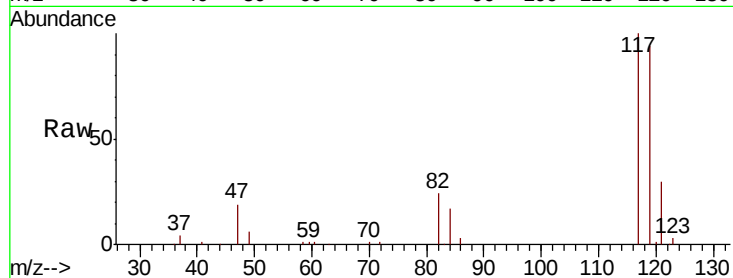
VSTD00514

Tot Ion:117 Resp: 72250

Ion Ratio Lower Upper

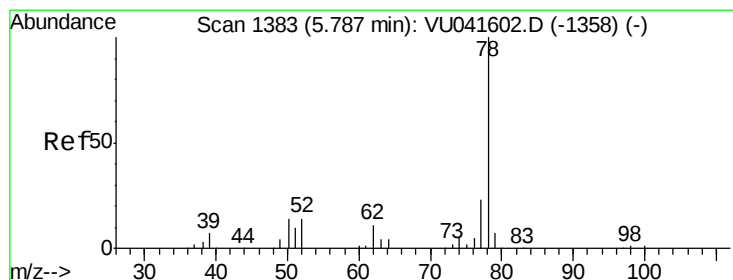
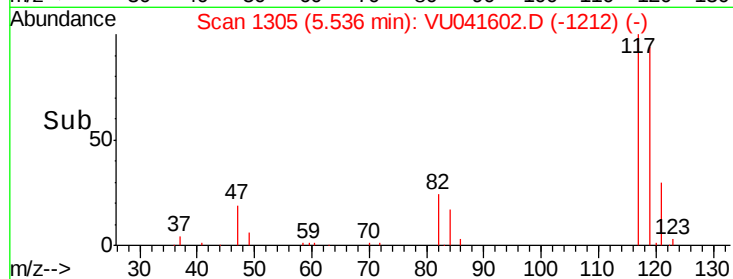
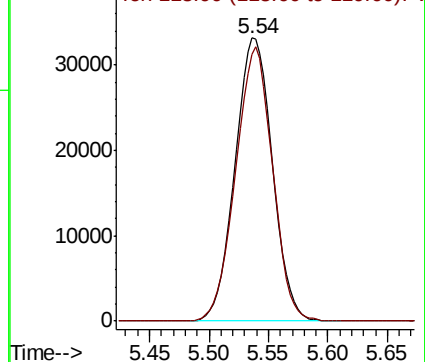
117 100

119 95.3 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.072 ug/L

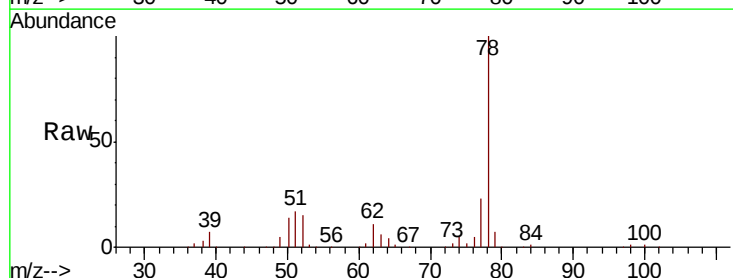
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

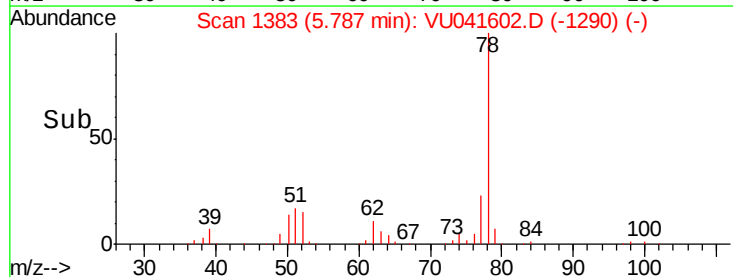
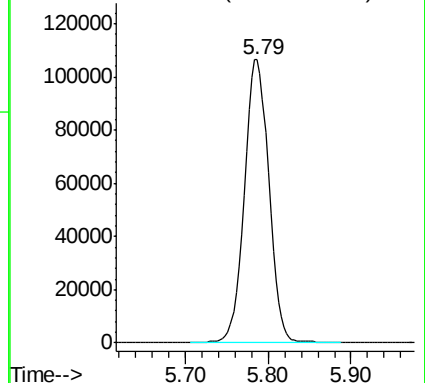
Lab File: VU041602.D

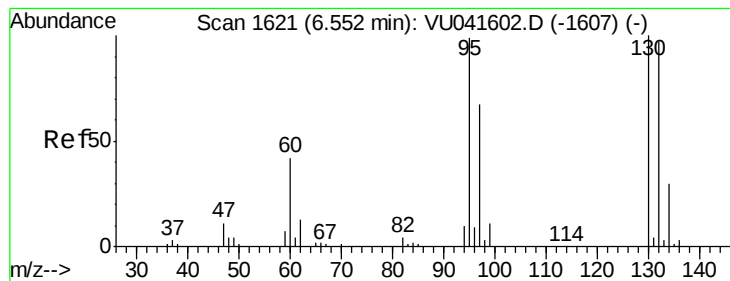
Acq: 14 Dec 2020 10:33

Tgt Ion: 78 Resp: 219267



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.211 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 95 Resp: 56615

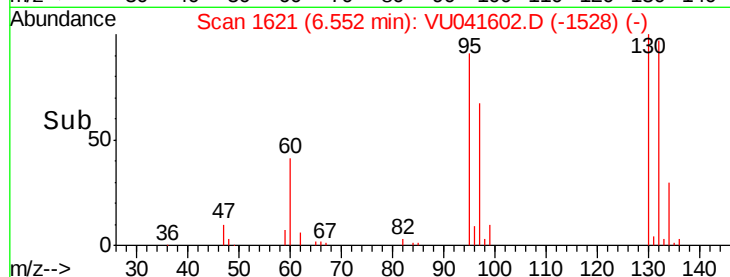
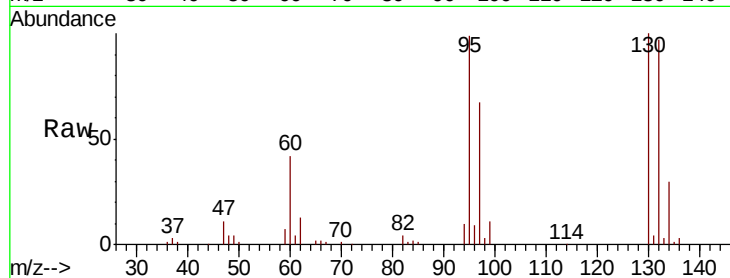
Ion Ratio Lower Upper

95 100

97 67.1 43.9 81.5

132 97.7 63.1 117.3

130 100.9 67.4 125.2

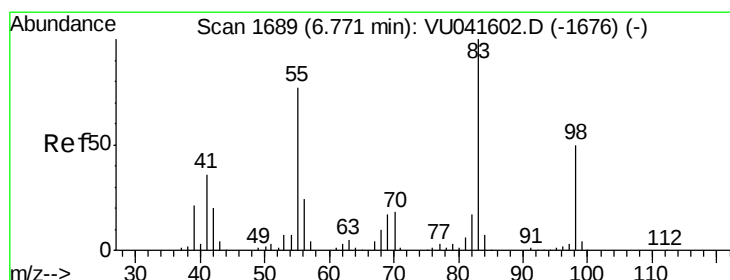
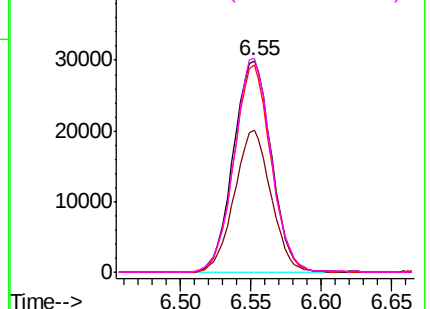


Abundance Ion 95.00 (94.70 to 95.70): VU041602.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041602.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041602.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041602.D (-1528) (-)



#35

Methylcyclohexane

Concen: 5.252 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

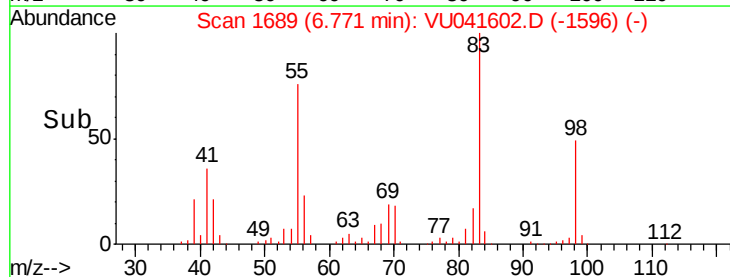
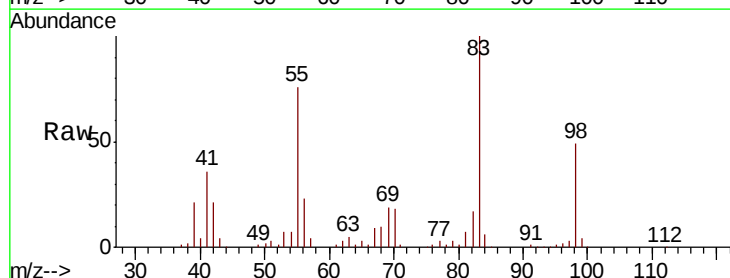
Tgt Ion: 83 Resp: 92240

Ion Ratio Lower Upper

83 100

55 74.6 61.2 91.8

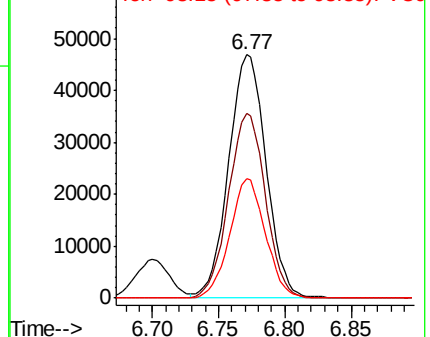
98 46.5 36.6 54.8

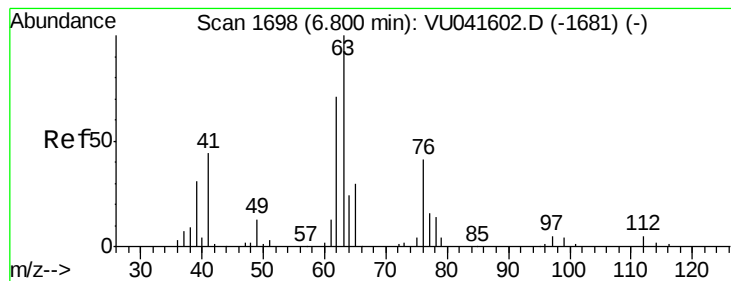


Abundance Ion 83.15 (82.85 to 83.85): VU041602.D (-1596) (-)

Ion 55.10 (54.80 to 55.80): VU041602.D (-1596) (-)

Ion 98.15 (97.85 to 98.85): VU041602.D (-1596) (-)





#37

1,2-Dichloropropane

Concen: 4.959 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

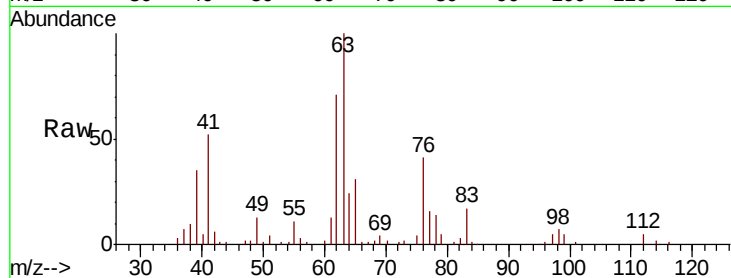
VSTD00514

Tot Ion: 63 Resp: 54838

Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU041602.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041602.D (-1681) (-)

6.80

30000

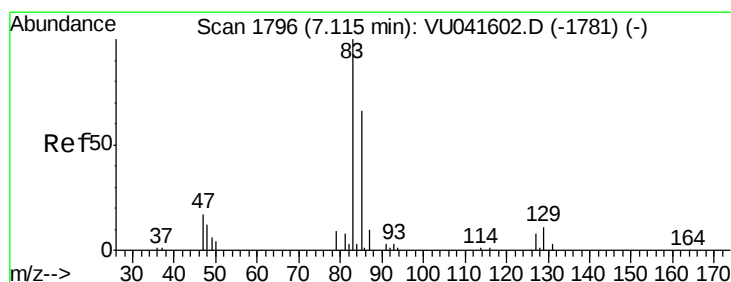
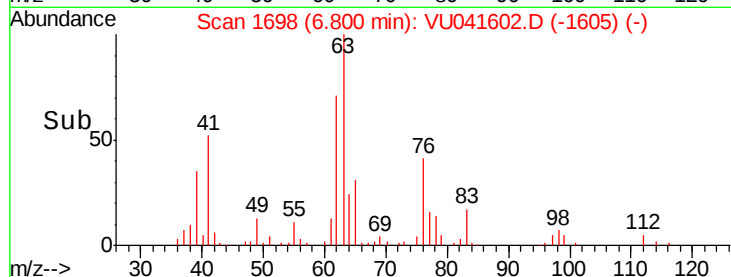
20000

10000

0

Time-->

6.70 6.75 6.80 6.85



#38

Bromodichloromethane

Concen: 5.161 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

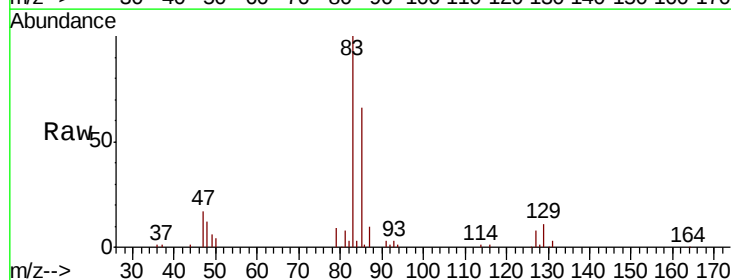
Tgt Ion: 83 Resp: 70998

Ion Ratio Lower Upper

83 100

85 66.3 45.5 84.5

127 8.1 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU041602.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU041602.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU041602.D (-1781) (-)

7.11

50000

40000

30000

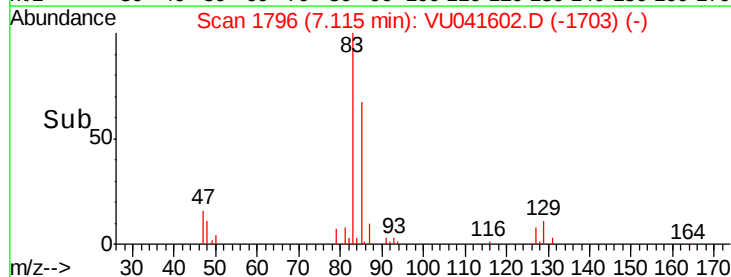
20000

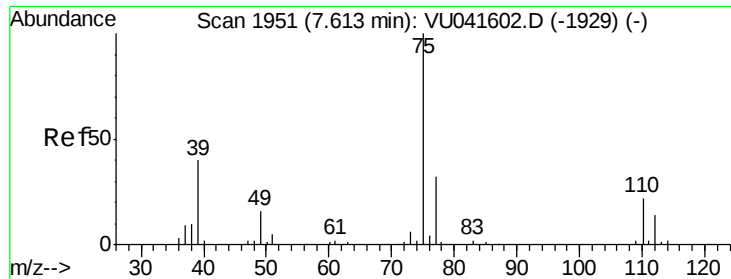
10000

0

Time-->

7.05 7.10 7.15 7.20

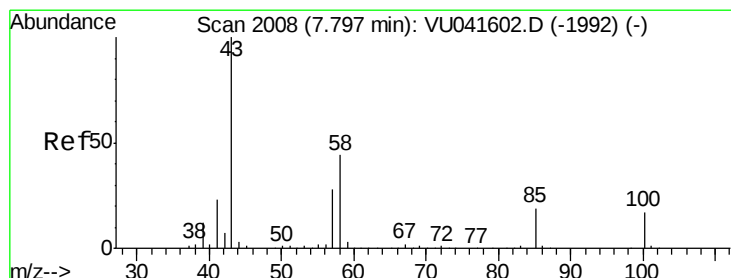
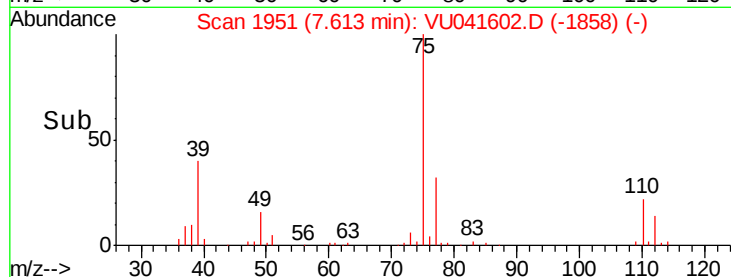
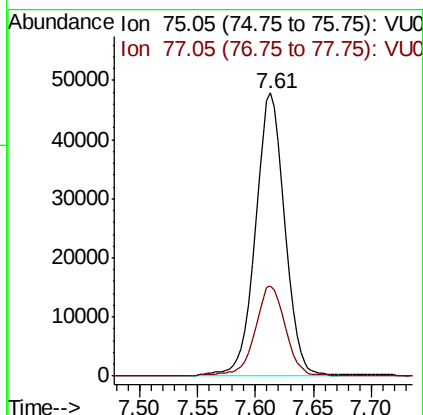
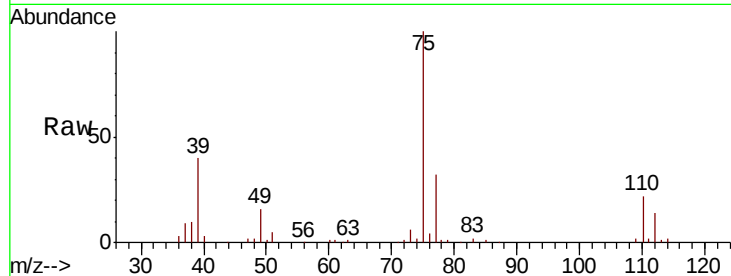




#39
 cis-1,3-Dichloropropene
 Concen: 5.180 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

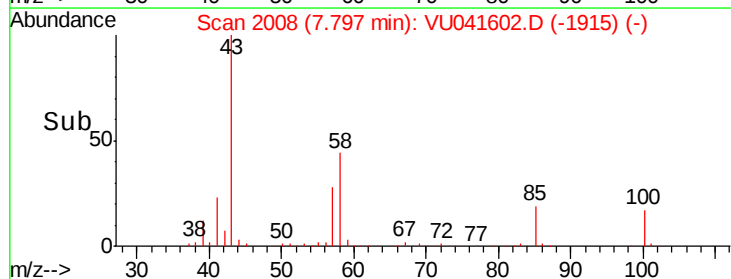
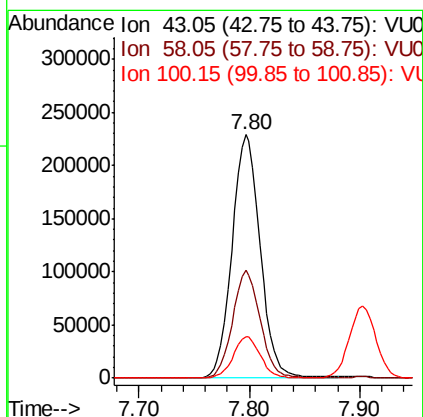
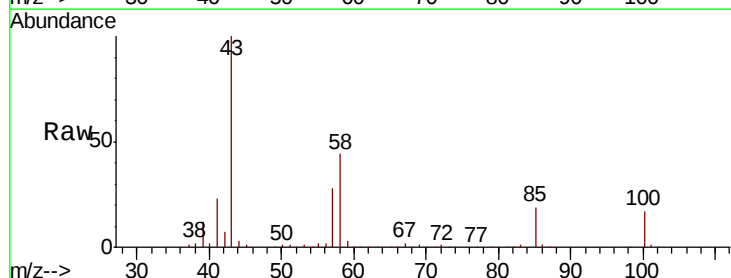
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00514

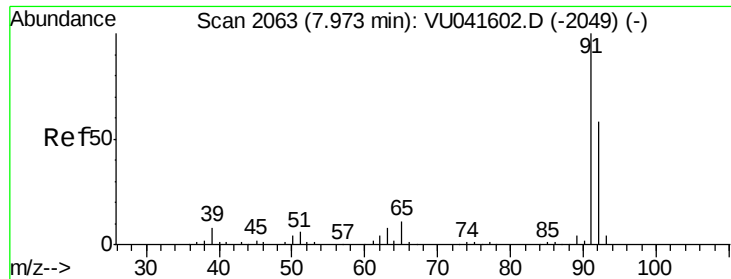
Tot Ion: 75 Resp: 84880
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 51.585 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

Tgt Ion: 43 Resp: 405910
 Ion Ratio Lower Upper
 43 100
 58 43.3 34.2 51.2
 100 16.4 12.3 18.5





#42

Toluene

Concen: 5.182 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

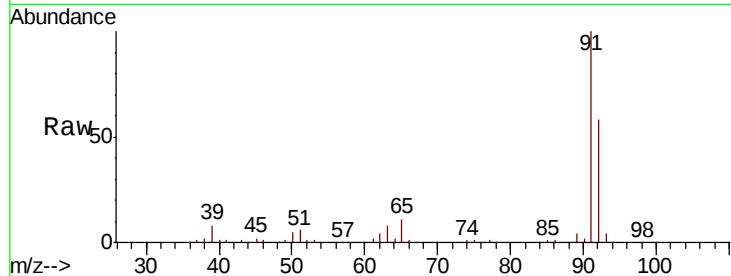
VSTD00514

Tot Ion: 91 Resp: 231306

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041602.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041602.D (-2049) (-)

7.97

150000

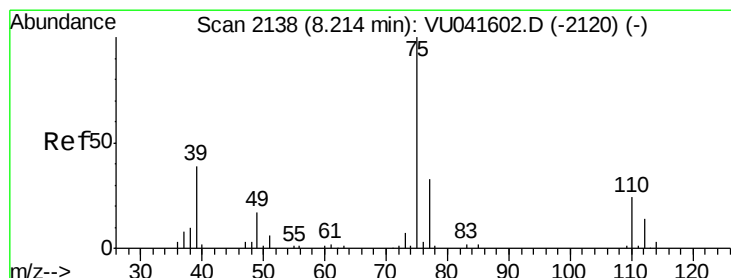
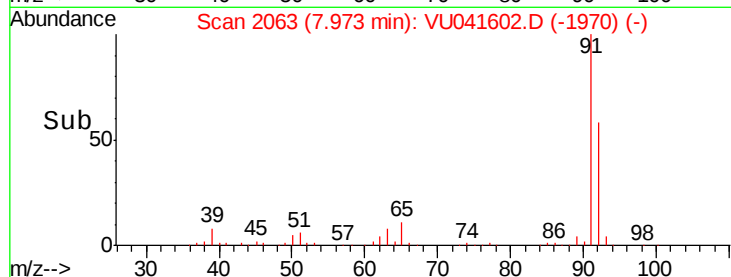
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.331 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041602.D

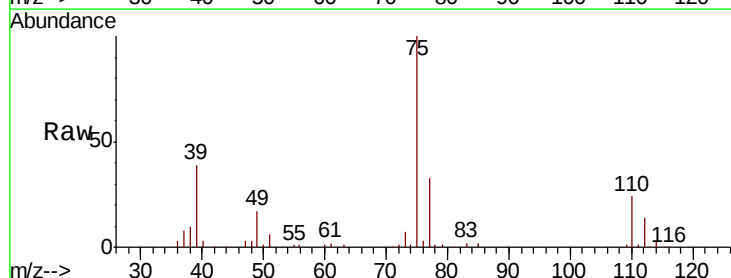
Acq: 14 Dec 2020 10:33

Tgt Ion: 75 Resp: 78115

Ion Ratio Lower Upper

75 100

77 33.1 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041602.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041602.D (-2120) (-)

8.21

50000

40000

30000

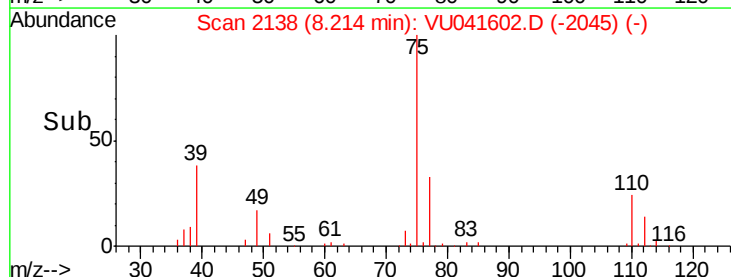
20000

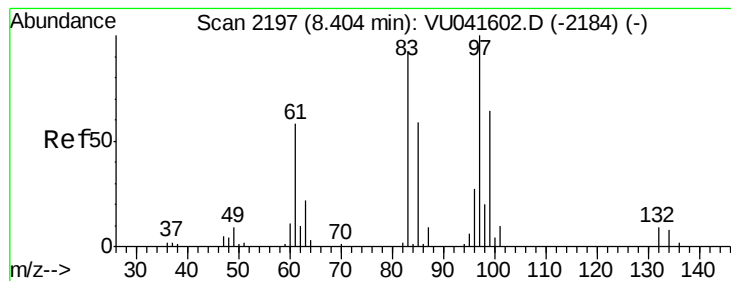
10000

0

8.15 8.20 8.25 8.30

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.370 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 97 Resp: 43919

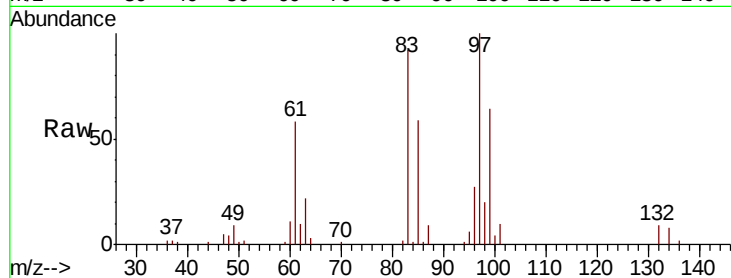
Ion Ratio Lower Upper

97 100

99 64.0 42.1 78.3

83 92.3 62.6 116.2

85 58.7 39.1 72.7

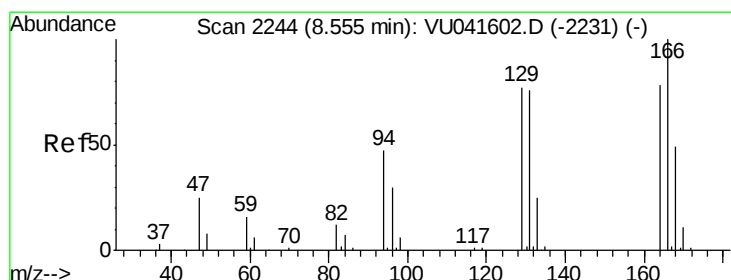
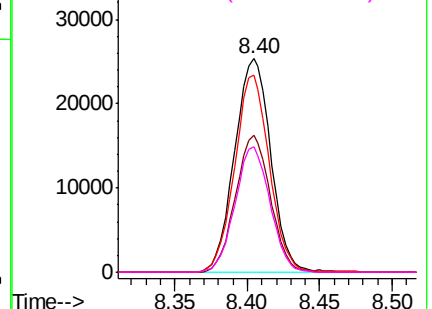
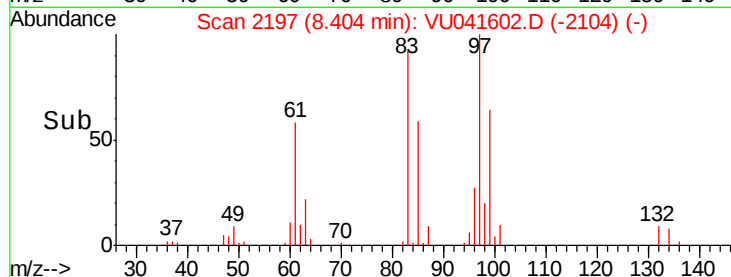


Abundance Ion 96.95 (96.65 to 97.65): VU041602.D (-2184) (-)

Ion 99.05 (98.75 to 99.75): VU041602.D (-2184) (-)

Ion 82.95 (82.65 to 83.65): VU041602.D (-2184) (-)

Ion 85.00 (84.70 to 85.70): VU041602.D (-2184) (-)



#47

Tetrachloroethene

Concen: 5.388 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Tgt Ion:164 Resp: 40979

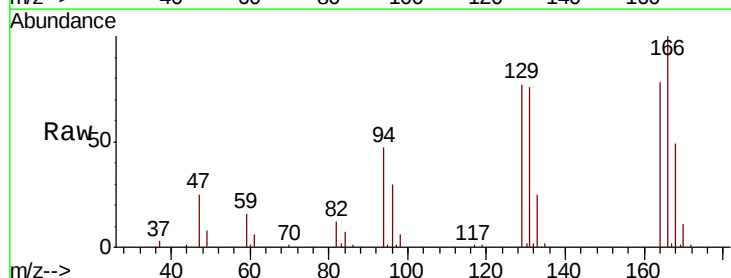
Ion Ratio Lower Upper

164 100

129 99.4 72.2 134.0

131 96.9 66.9 124.3

166 128.3 89.6 166.4

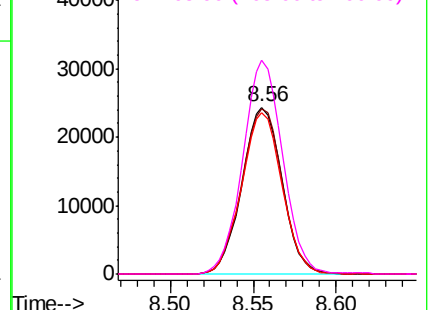
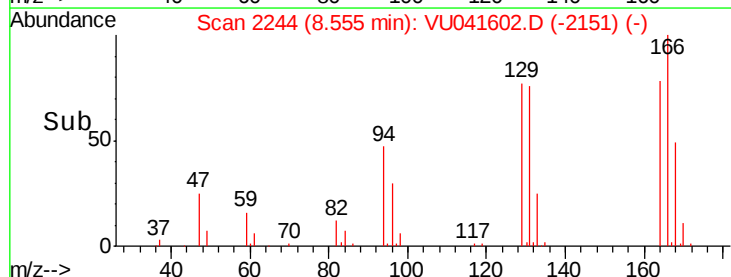


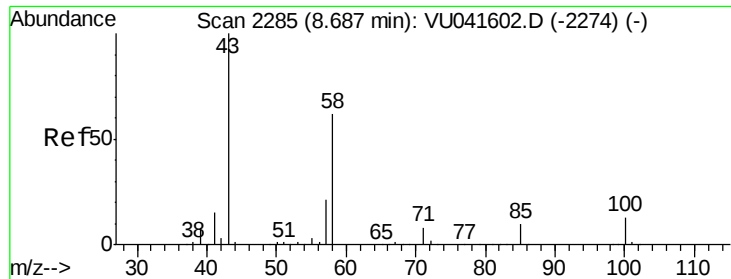
Abundance Ion 163.90 (163.60 to 164.60): VU041602.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU041602.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU041602.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU041602.D (-2231) (-)

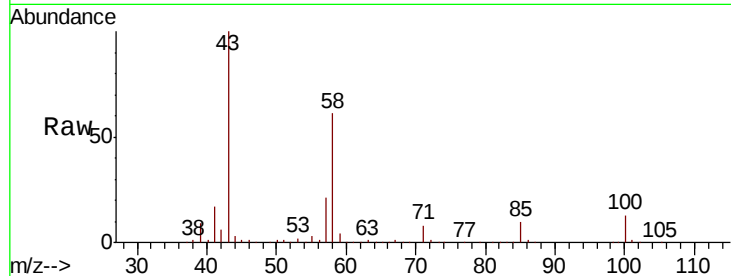




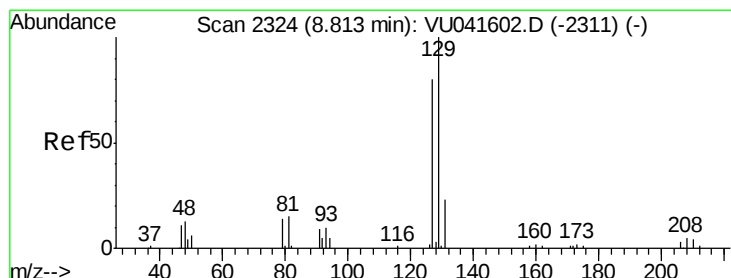
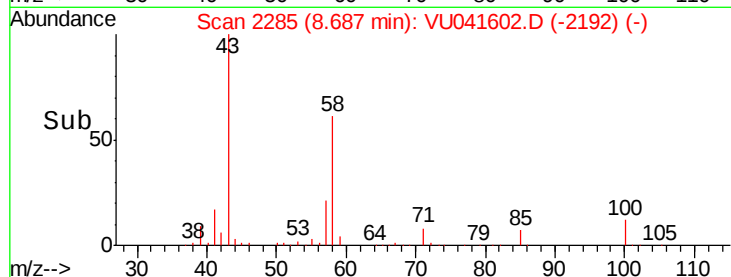
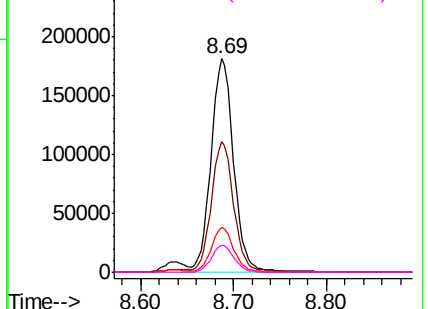
#48
2-Hexanone
Concen: 53.602 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:	43	Resp:	306960
Ion	Ratio	Lower	Upper
43	100		
58	60.0	47.9	71.9
57	20.2	16.5	24.7
100	12.6	9.4	14.2

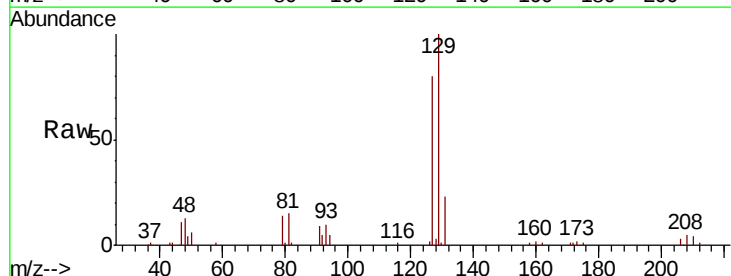


Abundance Ion 43.05 (42.75 to 43.75): VU041602.D (-2274) (-)
Ion 58.05 (57.75 to 58.75): VU041602.D (-2274) (-)
Ion 57.20 (56.90 to 57.90): VU041602.D (-2274) (-)
Ion 100.15 (99.85 to 100.85): VU041602.D (-2274) (-)

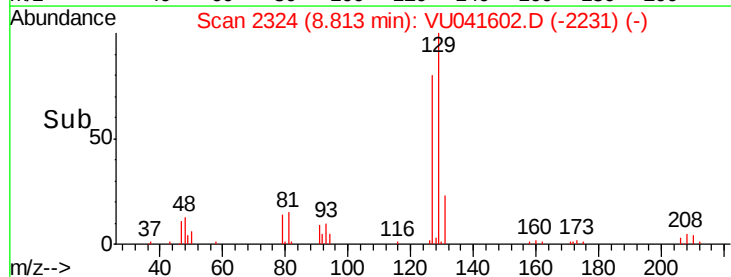
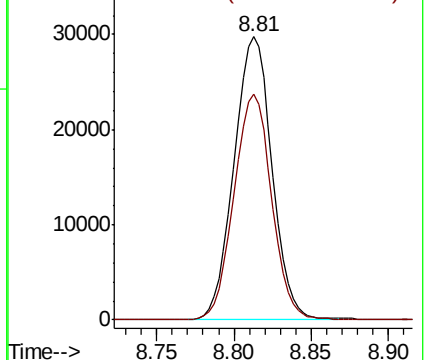


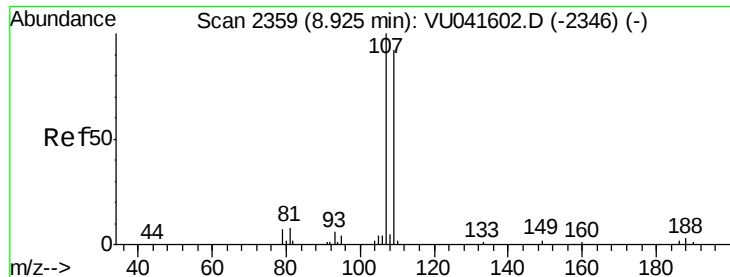
#49
Dibromochloromethane
Concen: 5.414 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

Tgt Ion:	129	Resp:	50853
Ion	Ratio	Lower	Upper
129	100		
127	79.6	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VU041602.D (-2311) (-)
Ion 126.90 (126.60 to 127.60): VU041602.D (-2311) (-)

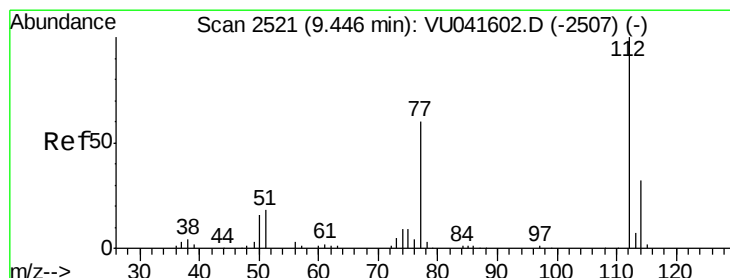
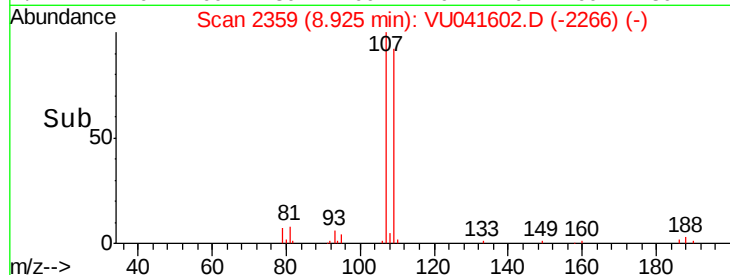
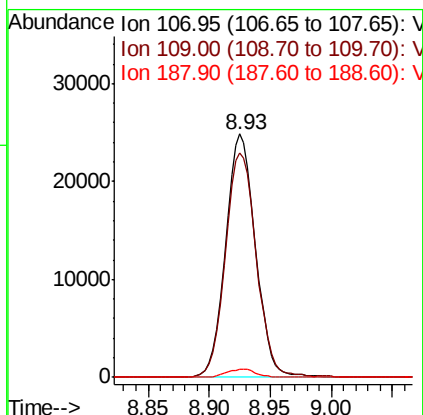
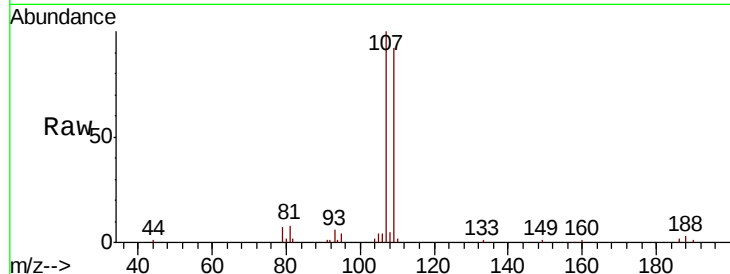




#50
 1,2-Dibromoethane
 Concen: 5.255 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

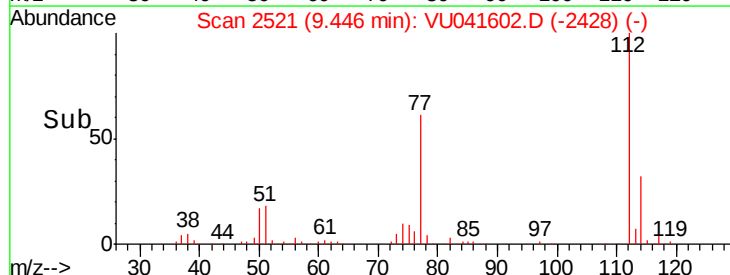
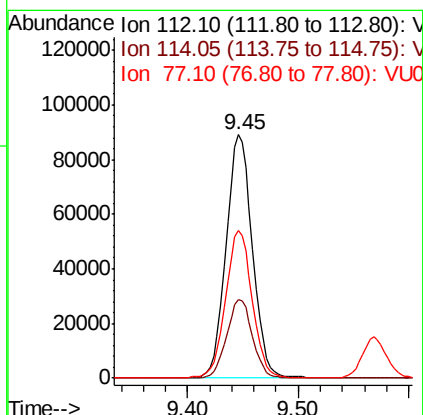
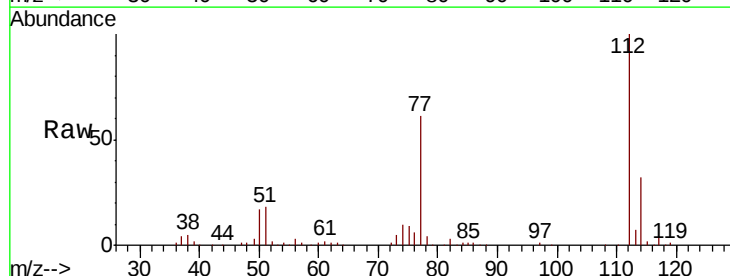
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

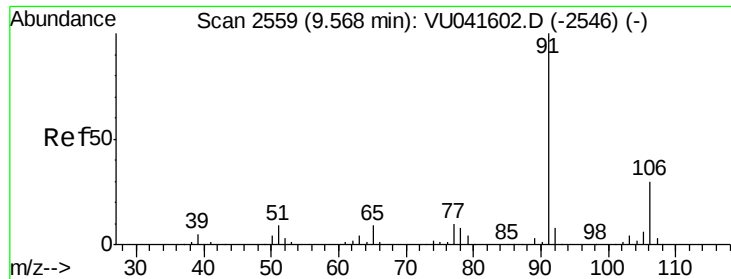
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	65.6	121.8
188	3.1	2.6	4.0



#51
 Chlorobenzene
 Concen: 5.310 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.7	42.3
77	60.7	49.1	73.7





#52

Ethylbenzene

Concen: 5.187 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

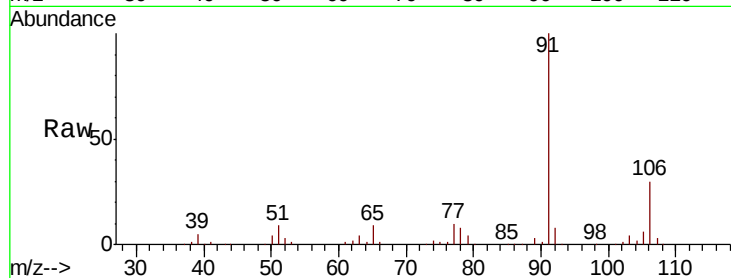
VSTD00514

Tot Ion: 91 Resp: 246545

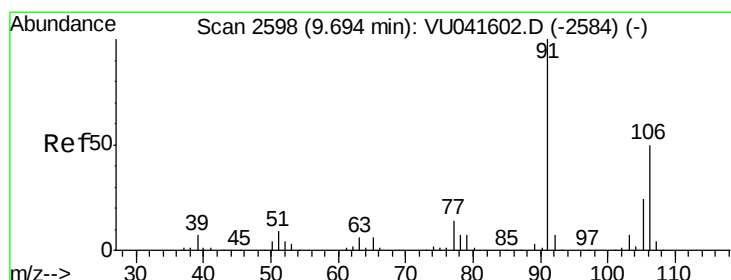
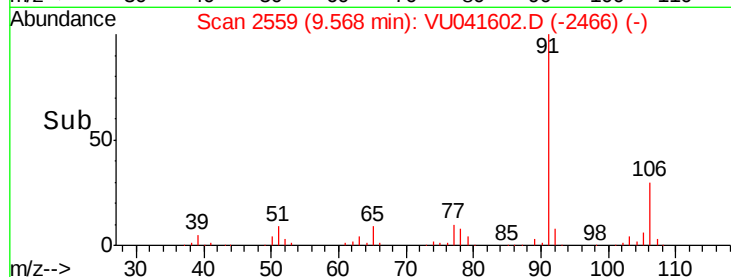
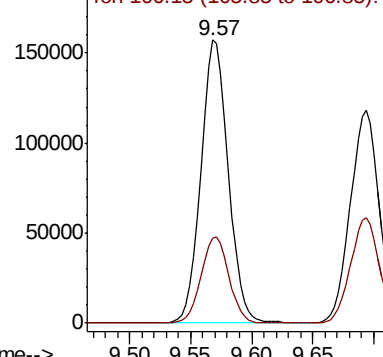
Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041602.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.422 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041602.D

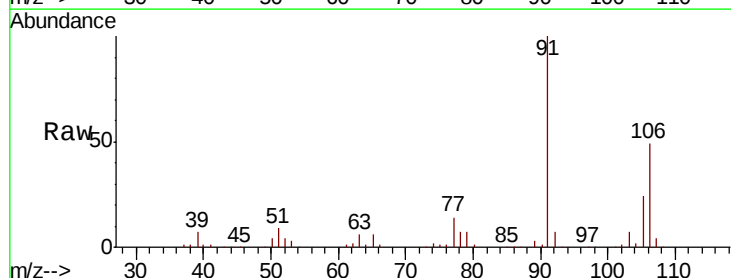
Acq: 14 Dec 2020 10:33

Tgt Ion: 106 Resp: 96105

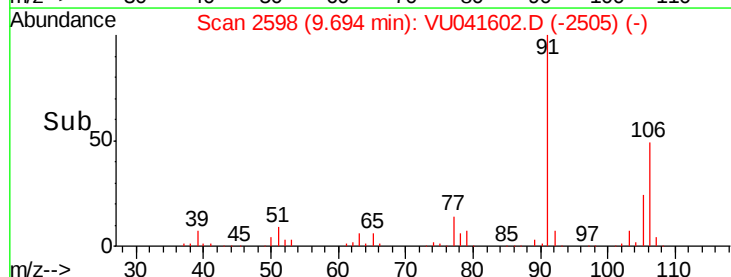
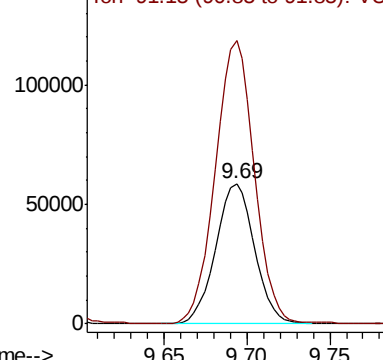
Ion Ratio Lower Upper

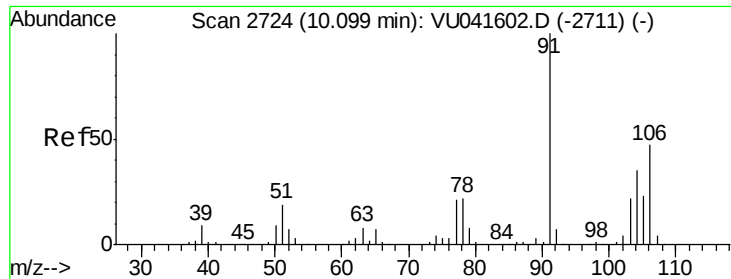
106 100

91 202.1 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041602.D (-2584) (-)

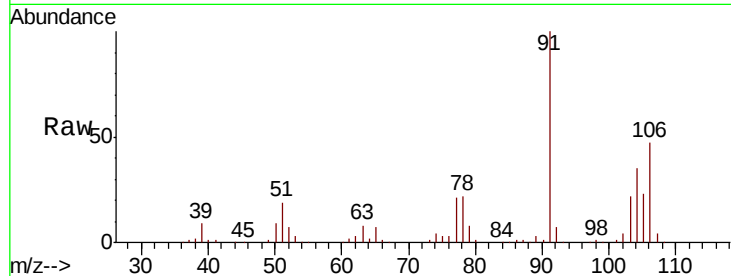




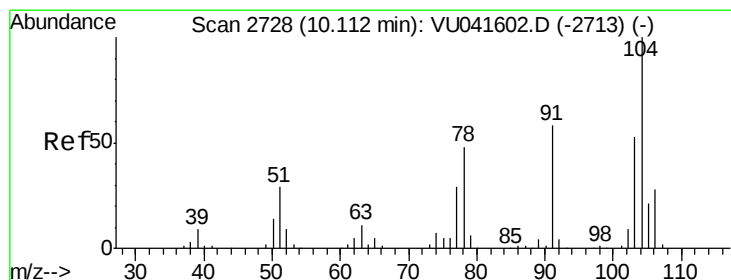
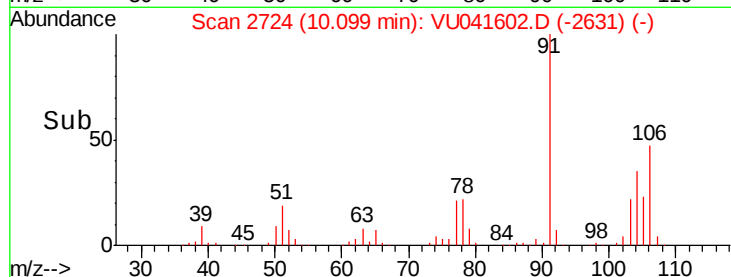
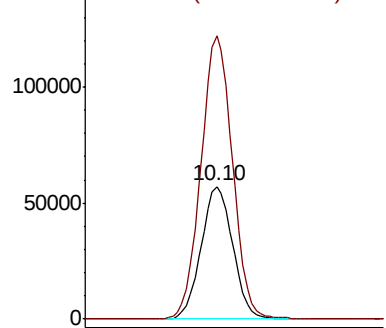
#54
o-Xylene
Concen: 5.295 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:106 Resp: 91934
Ion Ratio Lower Upper
106 100
91 212.9 151.3 281.1

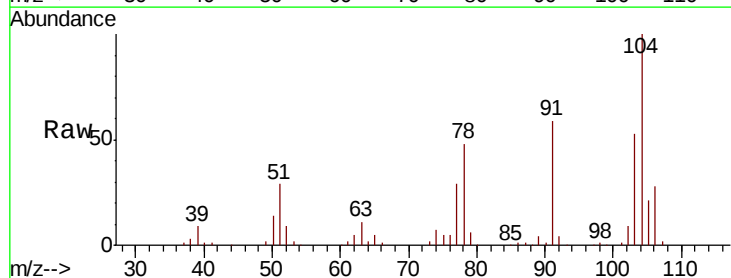


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

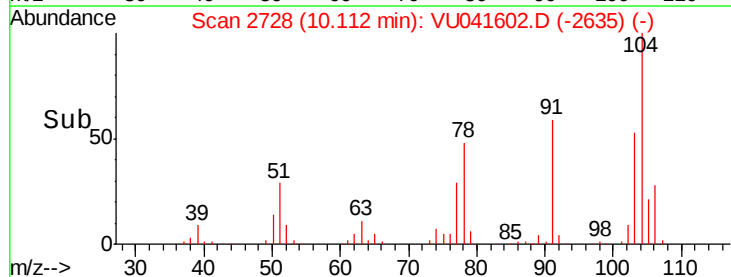
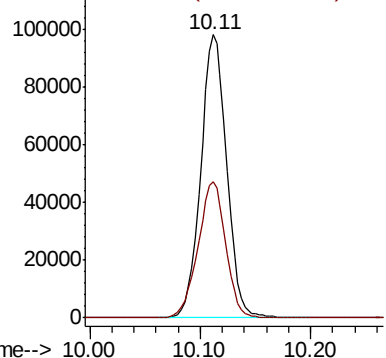


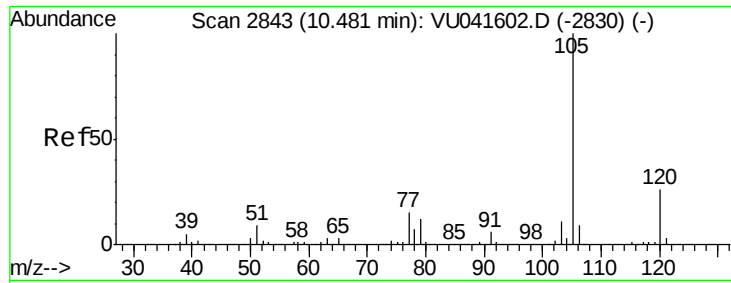
#55
Styrene
Concen: 5.322 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041602.D
Acq: 14 Dec 2020 10:33

Tgt Ion:104 Resp: 159607
Ion Ratio Lower Upper
104 100
78 48.3 31.1 57.9



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





#56

Isopropylbenzene

Concen: 5.283 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

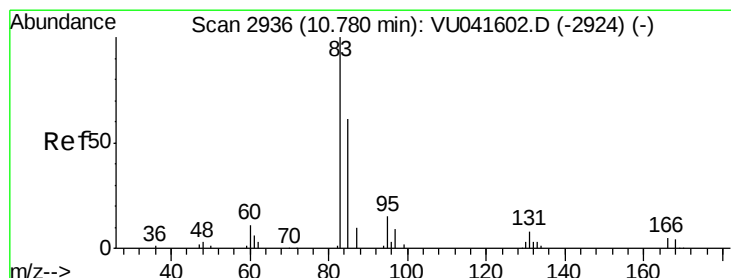
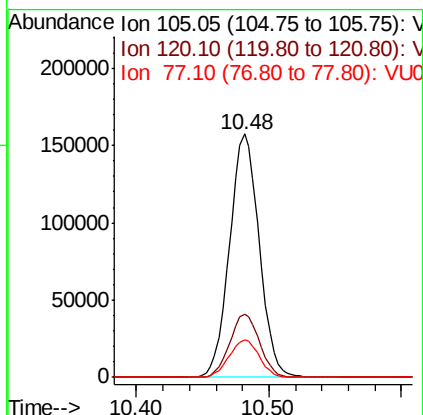
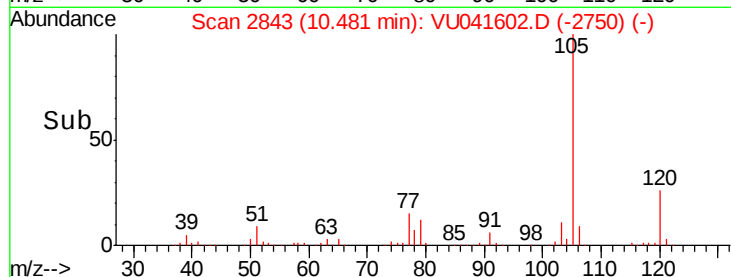
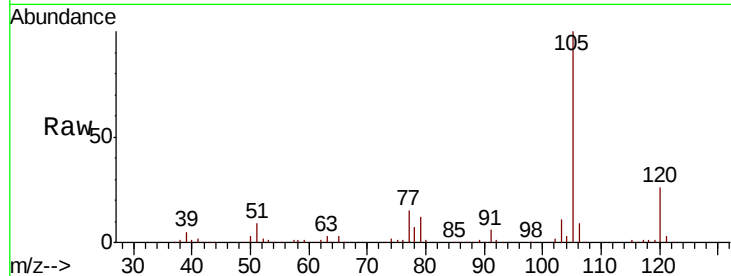
Tot Ion:105 Resp: 244151

Ion Ratio Lower Upper

105 100

120 26.0 20.5 30.7

77 15.7 12.7 19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 5.215 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

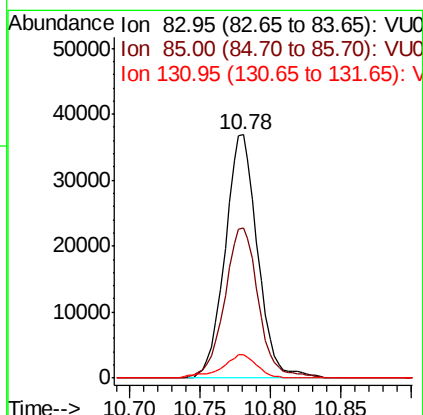
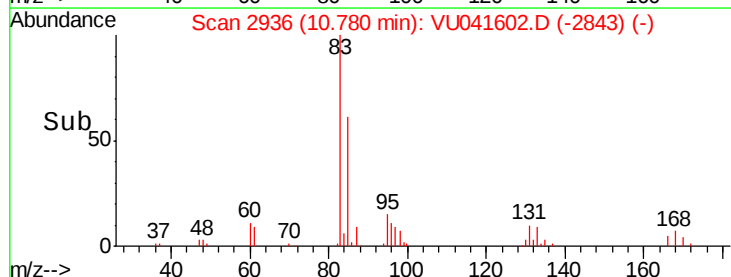
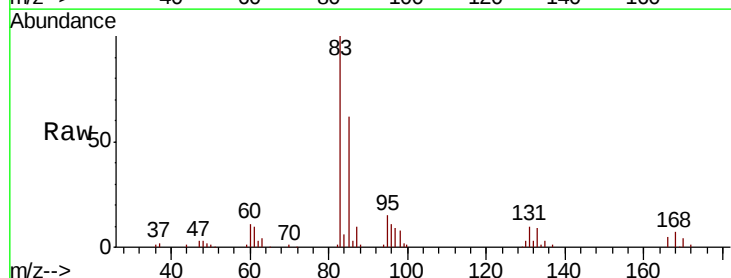
Tgt Ion: 83 Resp: 59342

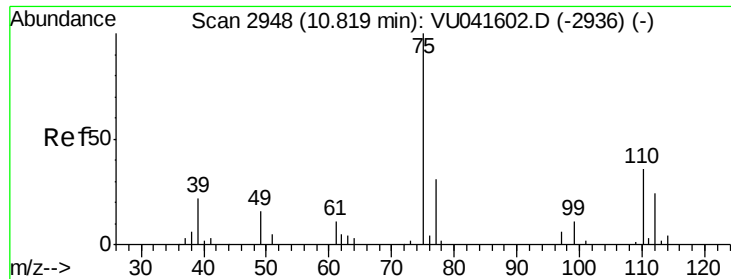
Ion Ratio Lower Upper

83 100

85 61.6 46.1 85.7

131 9.6 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 5.314 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

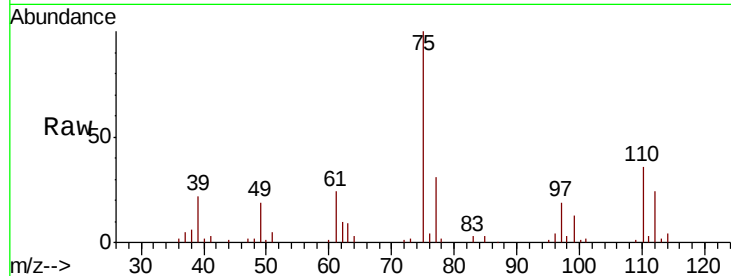
VSTD00514

Tot Ion: 75 Resp: 44134

Ion Ratio Lower Upper

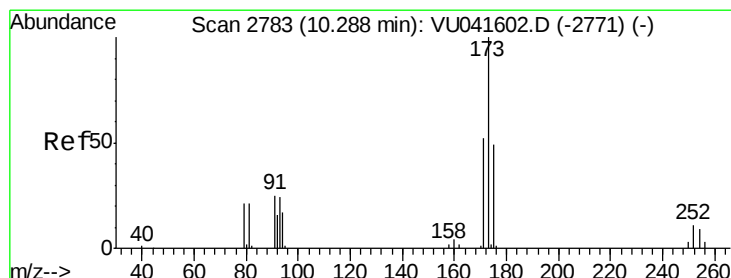
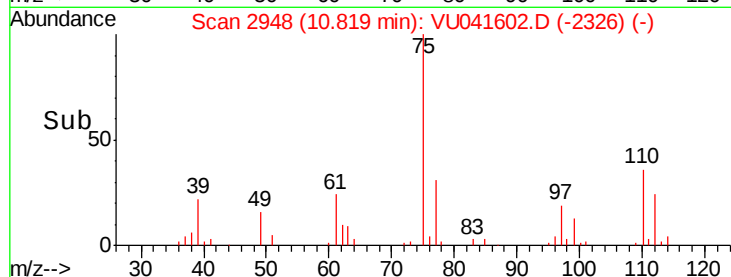
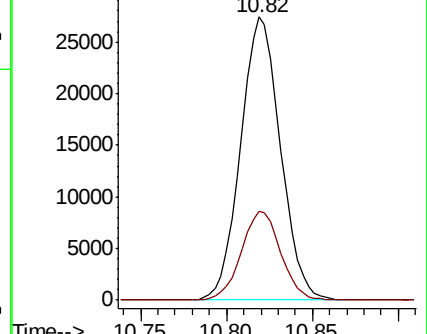
75 100

77 31.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU041602.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU041602.D (-2936) (-)



#61

Bromoform

Concen: 5.360 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

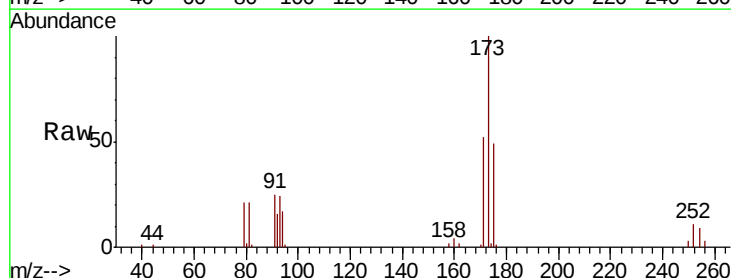
Tgt Ion: 173 Resp: 30171

Ion Ratio Lower Upper

173 100

175 49.0 37.3 55.9

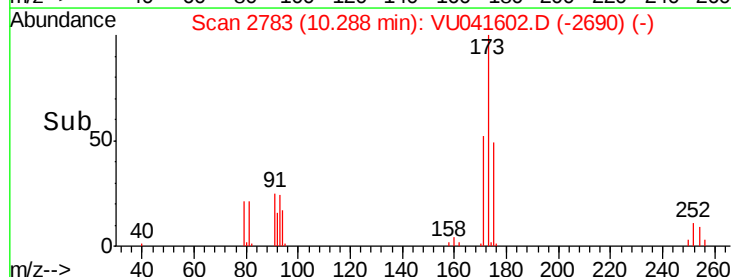
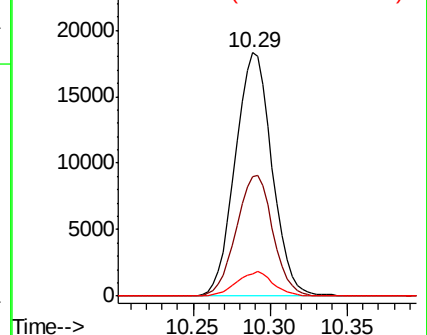
254 9.9 7.4 11.2

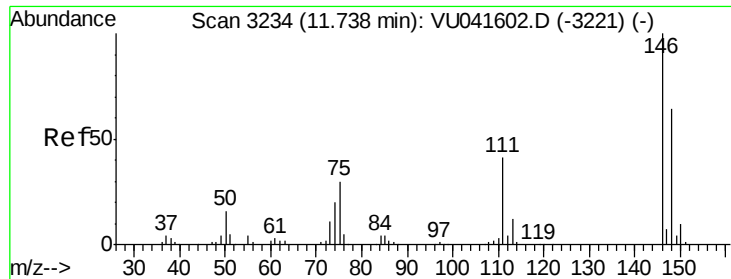


Abundance Ion 172.90 (172.60 to 173.60): VU041602.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU041602.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU041602.D (-2771) (-)





#62

1,3-Dichlorobenzene

Concen: 5.330 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

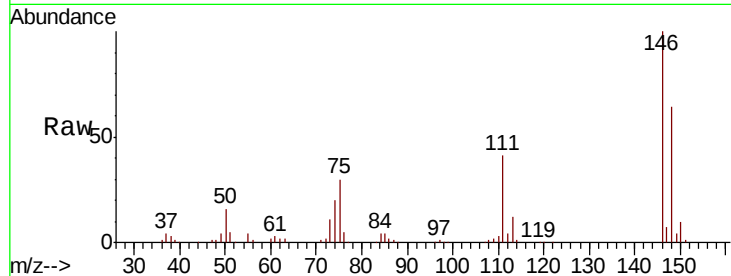
Tot Ion:146 Resp: 121386

Ion Ratio Lower Upper

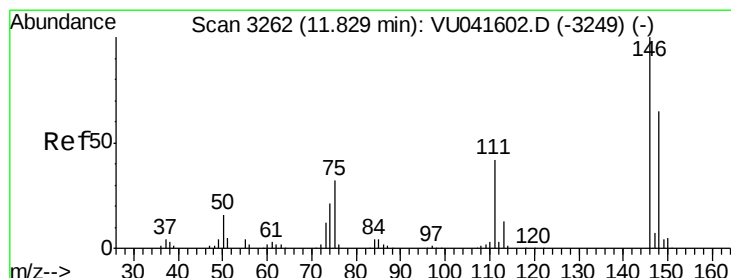
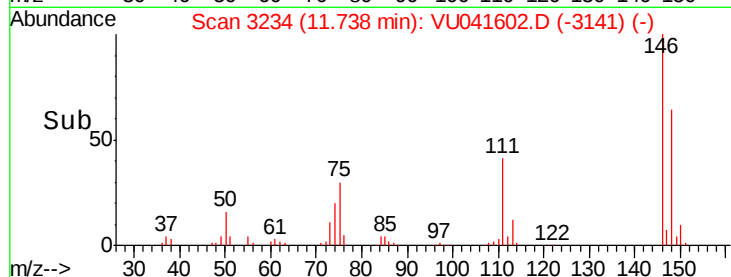
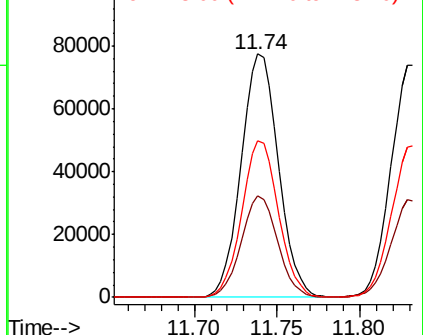
146 100

111 41.5 30.0 55.8

148 64.4 44.9 83.3



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: 5.196 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

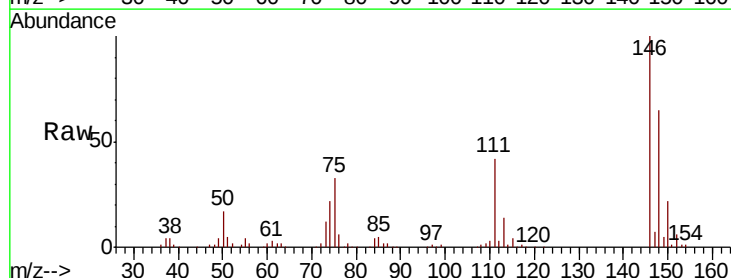
Tgt Ion:146 Resp: 118984

Ion Ratio Lower Upper

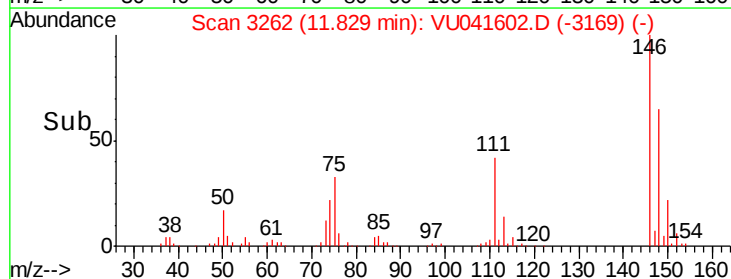
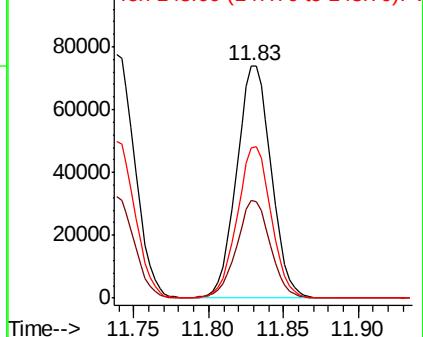
146 100

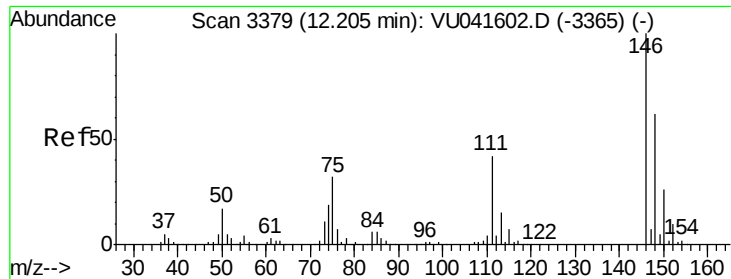
111 42.3 27.9 51.9

148 64.6 45.0 83.6



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

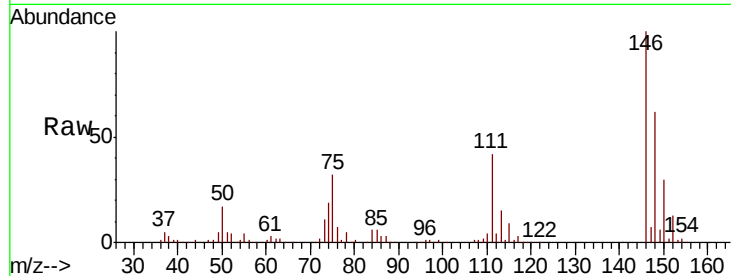




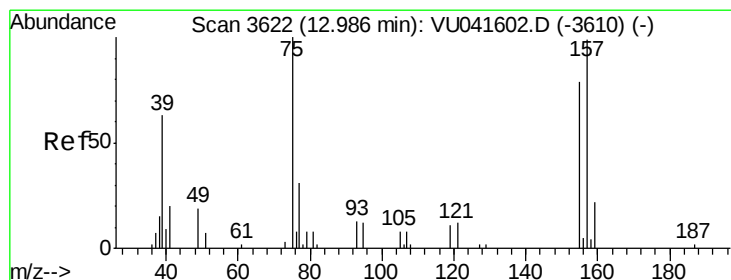
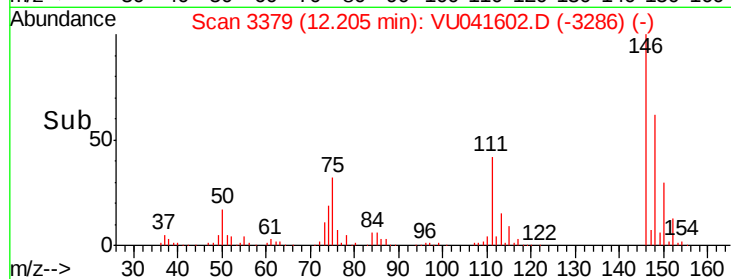
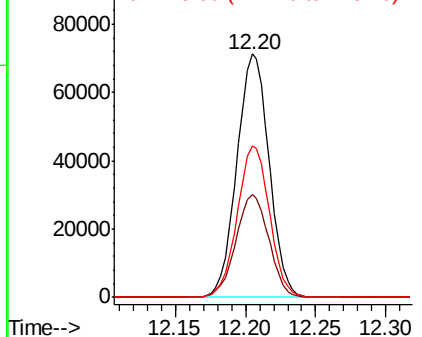
#65
 1,2-Dichlorobenzene
 Concen: 5.139 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion:146 Resp: 114603
 Ion Ratio Lower Upper
 146 100
 111 42.3 35.0 52.6
 148 62.2 51.0 76.6

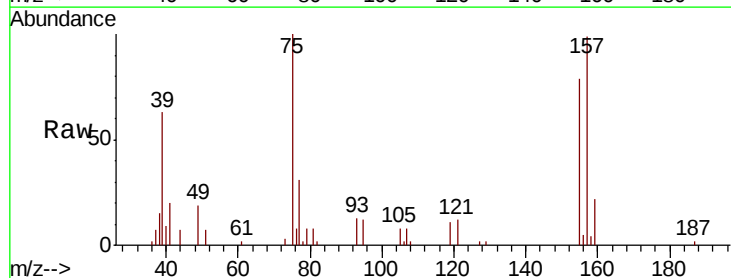


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

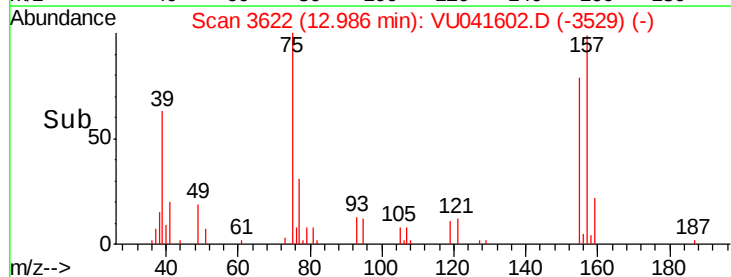
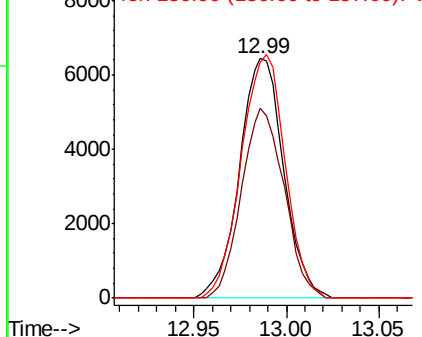


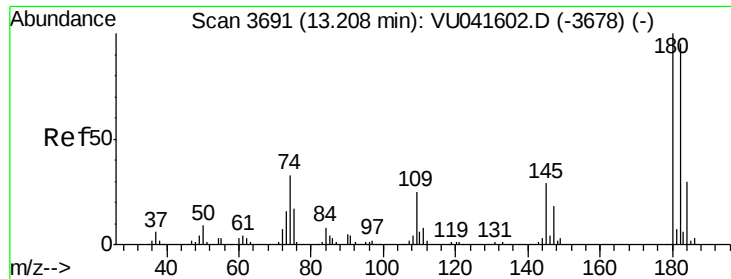
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.093 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

Tgt Ion: 75 Resp: 10651
 Ion Ratio Lower Upper
 75 100
 155 79.3 57.4 86.0
 157 98.9 72.4 108.6



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

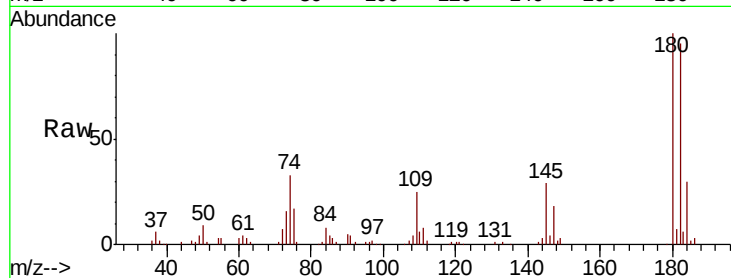




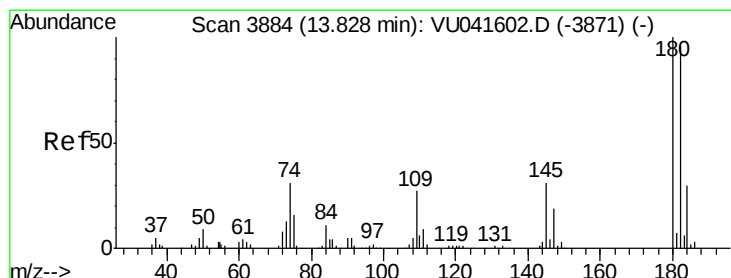
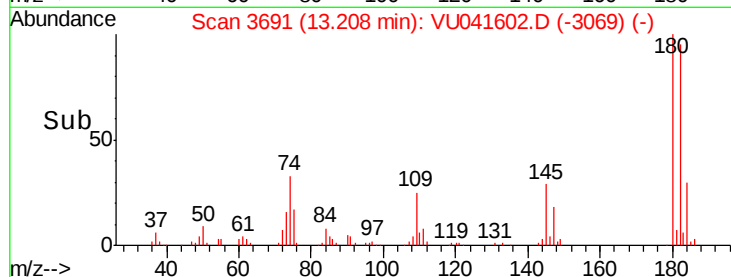
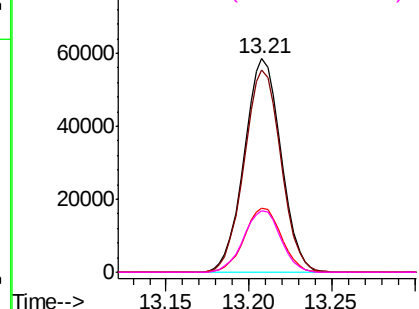
#67
 1,3,5-Trichlorobenzene
 Concen: 5.234 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion:180 Resp: 90485
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.3 114.5
 184 30.2 24.1 36.1
 145 29.0 24.1 36.1

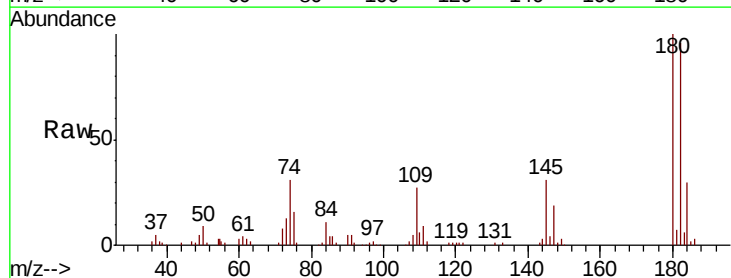


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

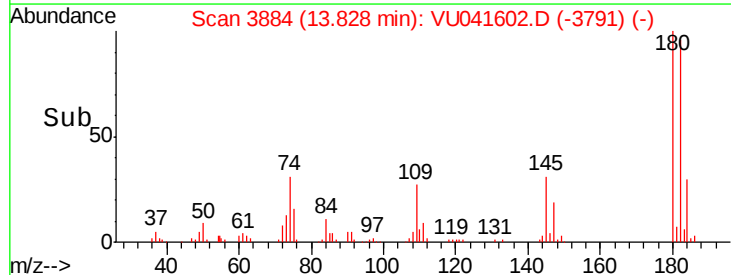
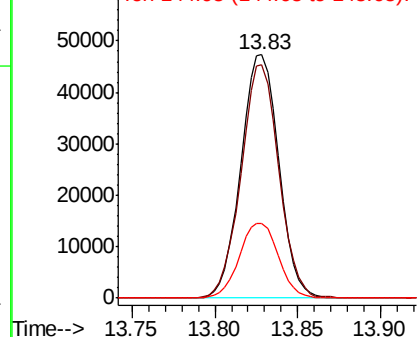


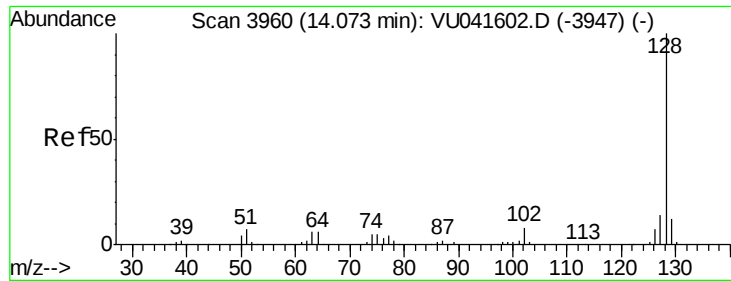
#68
 1,2,4-trichlorobenzene
 Concen: 5.185 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041602.D
 Acq: 14 Dec 2020 10:33

Tgt Ion:180 Resp: 75222
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.4 113.0
 145 31.6 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.929 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

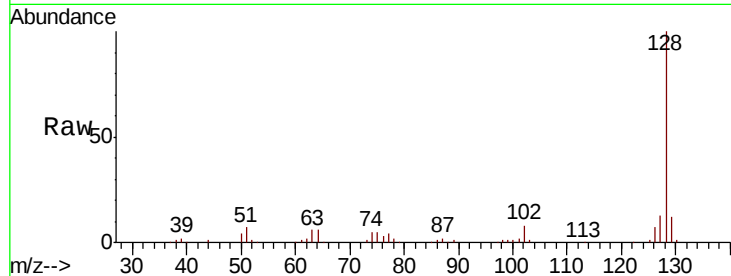
Tot Ion:128 Resp: 148011

Ion Ratio Lower Upper

128 100

129 11.5 8.7 13.1

127 13.5 10.2 15.4

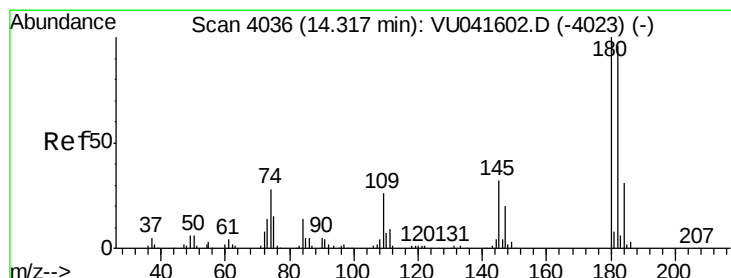
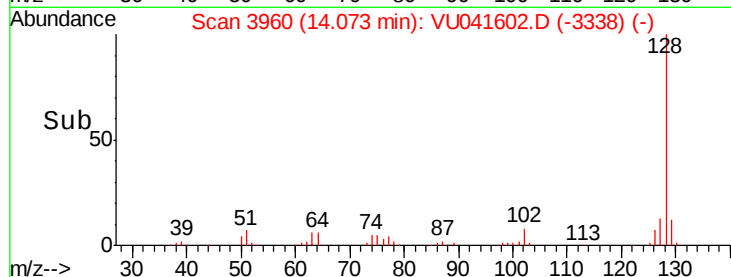
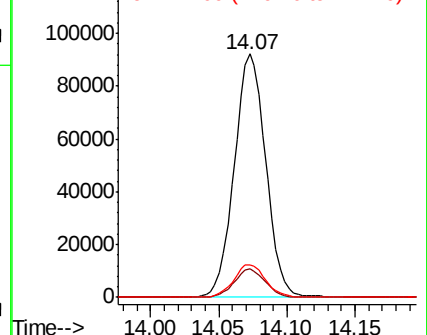


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.047 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041602.D

Acq: 14 Dec 2020 10:33

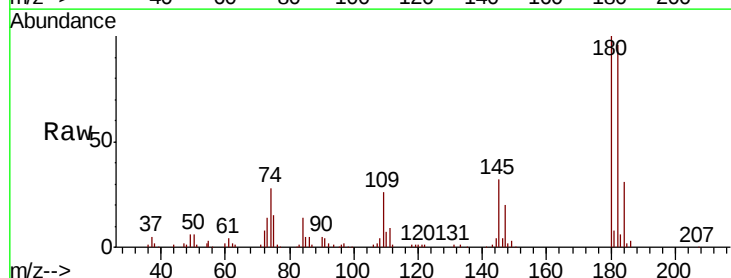
Tgt Ion:180 Resp: 69778

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

145 32.7 26.4 39.6



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

