

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122820\
 Data File : VU041822.D
 Acq On : 28 Dec 2020 11:25
 Operator : SY/MD
 Sample : VSTD01031
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

Quant Time: Dec 29 00:36:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 29 00:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	156017	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	151636	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	80942	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	124005	11.02	ug/L	0.00
7) Chloroethane-d5	1.92	69	120502	13.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.57	65	62139	11.45	ug/L	0.00
20) 2-Butanone-d5	4.66	46	346993	103.00	ug/L	0.00
24) Chloroform-d	5.08	84	226939	9.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	122034	8.21	ug/L	0.00
32) Benzene-d6	5.74	84	451408	11.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	137773	11.38	ug/L	0.00
41) Toluene-d8	7.90	98	428249	11.74	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	61285	10.18	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	342775	138.74	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	131817	11.78	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	164234	11.25	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	143839	8.739 ug/L	100
3) Chloromethane	1.52	50	128849	10.068 ug/L	100
5) Vinyl chloride	1.61	62	156293	11.238 ug/L	99
6) Bromomethane	1.86	94	110648	13.225 ug/L	99
8) Chloroethane	1.94	64	101574	10.933 ug/L	99
9) Trichlorofluoromethane	2.15	101	224493	9.294 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	126814	10.936 ug/L	98
12) 1,1-Dichloroethene	2.59	96	125237	12.418 ug/L	97
13) Acetone	2.67	43	242560	97.683 ug/L	# 45
14) Carbon disulfide	2.80	76	425563	13.879 ug/L	98
15) Methyl Acetate	2.97	43	60806	11.605 ug/L	99
16) Methylene chloride	3.06	84	139522	11.079 ug/L	98
17) Methyl tert-butyl Ether	3.38	73	325917	10.960 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	127079	12.153 ug/L	99
19) 1,1-Dichloroethane	3.89	63	216460	10.375 ug/L	97
21) 2-Butanone	4.74	43	328098	94.012 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	125181	11.159 ug/L	94
23) Bromochloromethane	4.99	128	62932	11.285 ug/L	92
25) Chloroform	5.11	83	209129	8.925 ug/L	100
27) 1,2-Dichloroethane	5.81	62	138739	8.095 ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	183075	8.823 ug/L	98
30) Cyclohexane	5.40	56	177857	11.470 ug/L	97
31) Carbon tetrachloride	5.54	117	164025	8.770 ug/L	99
33) Benzene	5.79	78	474997	11.041 ug/L	100
34) Trichloroethene	6.55	95	123204	10.470 ug/L	98
35) Methylcyclohexane	6.77	83	197515	11.855 ug/L	98
37) 1,2-Dichloropropane	6.80	63	117390	10.701 ug/L	99
38) Bromodichloromethane	7.11	83	153181	9.210 ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	181605	10.737 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	779050	99.790 ug/L	99

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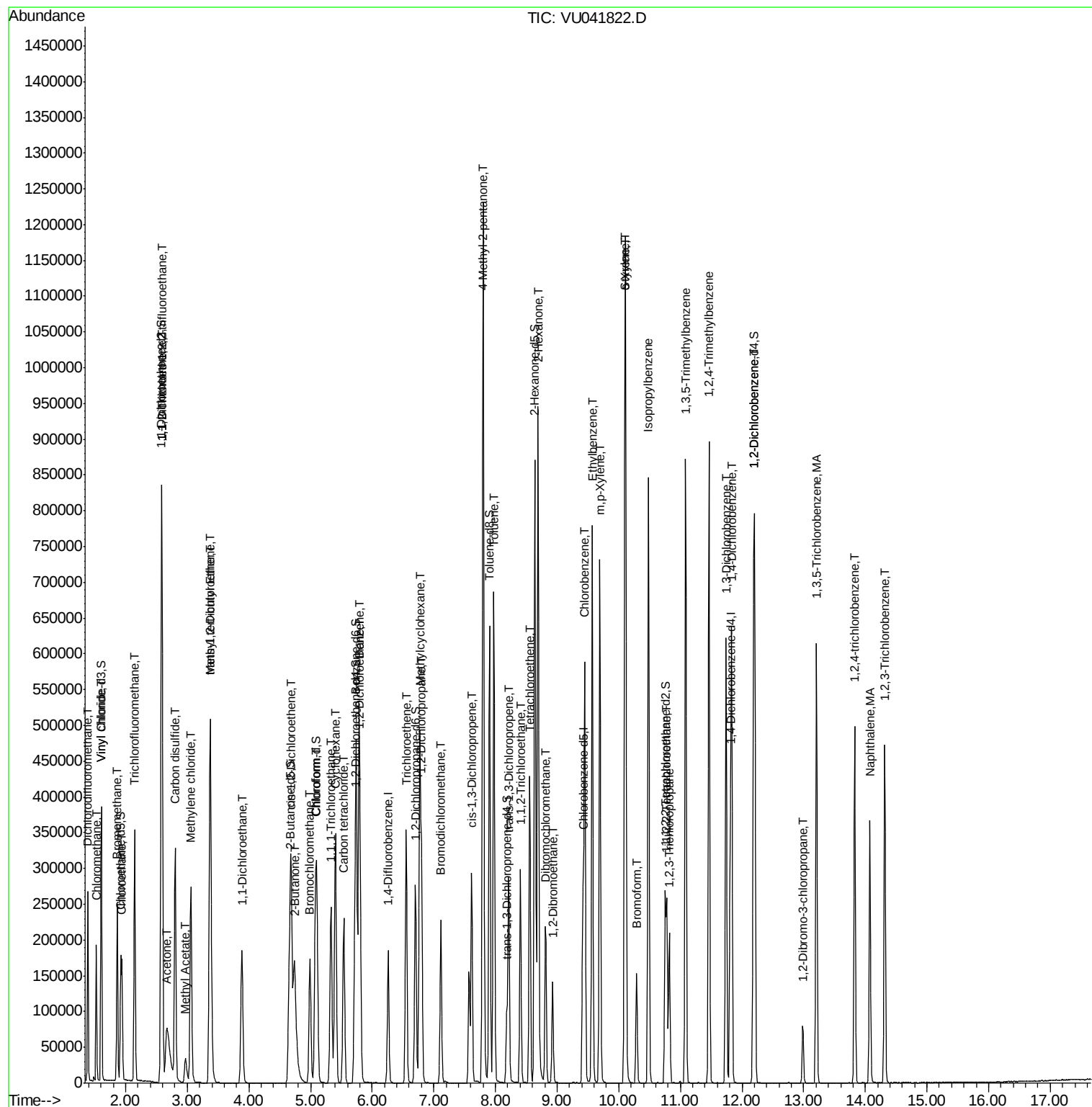
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	514184	11.115	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	166275	10.149	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	96595	11.106	ug/L	98
47) Tetrachloroethene	8.56	164	96845	10.970	ug/L	100
48) 2-Hexanone	8.69	43	573473	97.731	ug/L	99
49) Dibromochloromethane	8.81	129	116586	10.120	ug/L	98
50) 1,2-Dibromoethane	8.93	107	94797	11.170	ug/L	98
51) Chlorobenzene	9.45	112	330064	10.980	ug/L	99
52) Ethylbenzene	9.57	91	554099	10.803	ug/L	100
53) m,p-Xylene	9.69	106	219700	11.730	ug/L	99
54) o-Xylene	10.10	106	211551	11.642	ug/L	99
55) Styrene	10.11	104	362058	11.382	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	125062	11.044	ug/L	99
59) Bromoform	10.29	173	70629	10.716	ug/L	98
60) Isopropylbenzene	10.48	105	555298	11.148	ug/L	98
61) 1,2,3-Trichloropropane	10.82	75	89492	10.236	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	474855	11.195	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	488568	11.363	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	261082	10.571	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	260044	10.410	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	259178	10.651	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.99	75	21322	9.242	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	197924	10.567	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	156392	10.213	ug/L	99
71) Naphthalene	14.07	128	298773	11.725	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	150738	10.893	ug/L	99

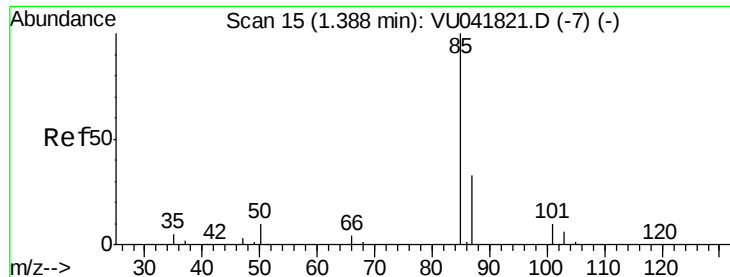
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.739 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

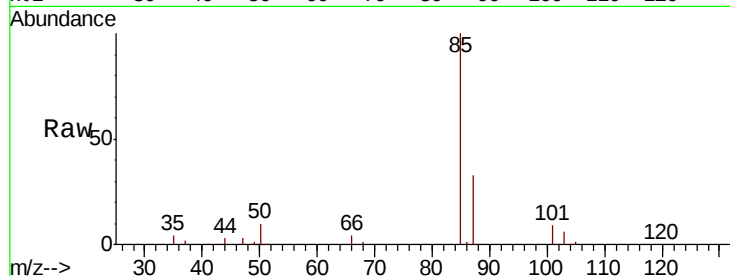
VSTD010315

Tot Ion: 85 Resp: 143839

Ion Ratio Lower Upper

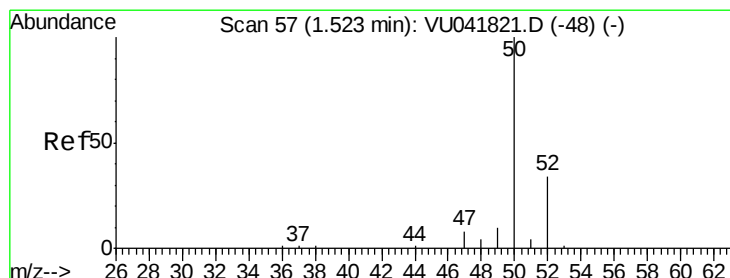
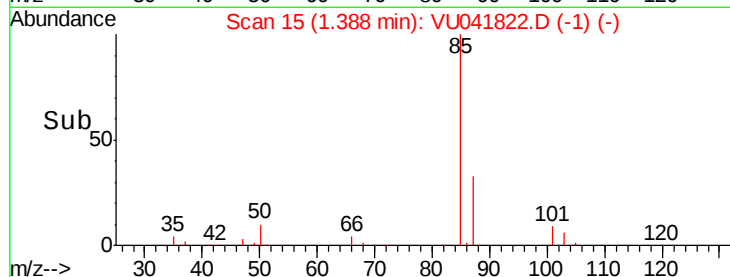
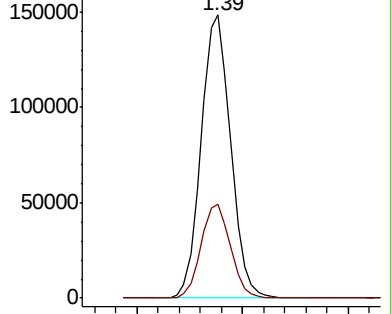
85 100

87 33.0 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: 10.068 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041822.D

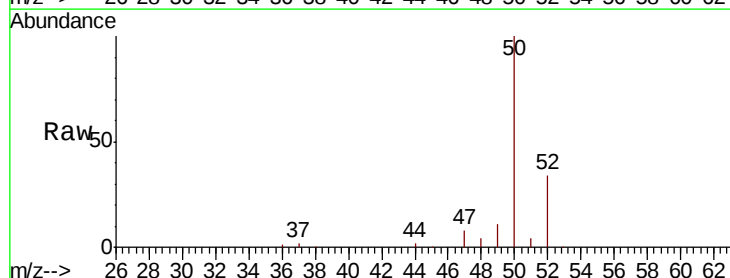
Acq: 28 Dec 2020 11:25

Tgt Ion: 50 Resp: 128849

Ion Ratio Lower Upper

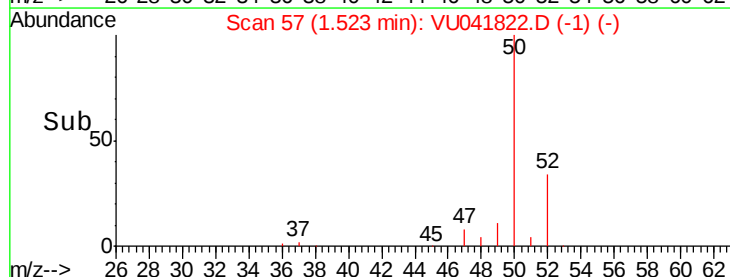
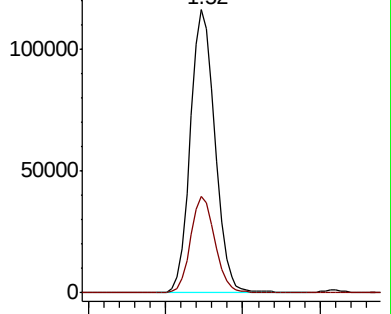
50 100

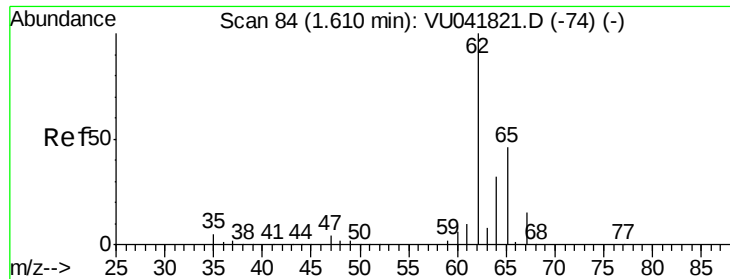
52 34.0 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 11.238 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

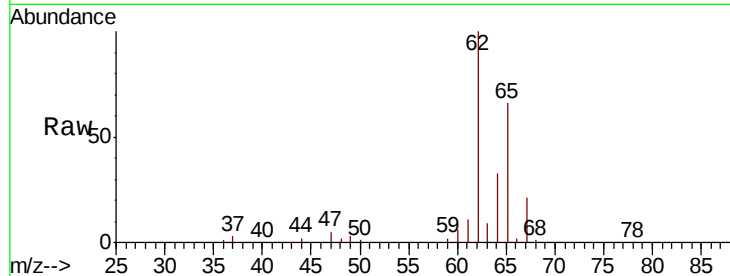
VSTD010315

Tot Ion: 62 Resp: 156293

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

150000

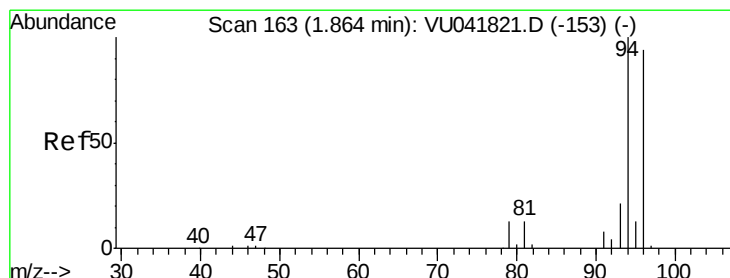
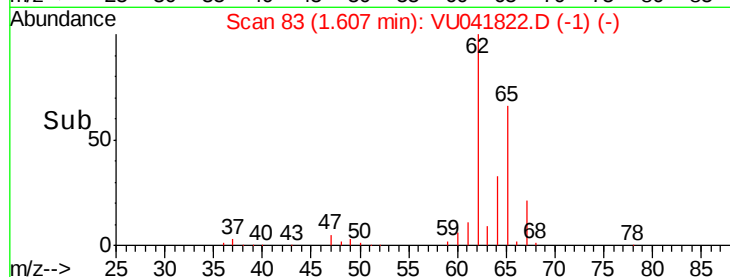
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 13.225 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041822.D

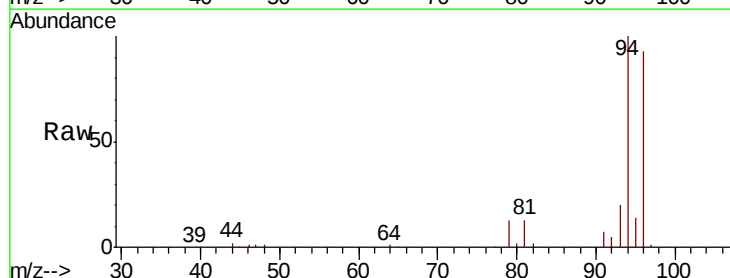
Acq: 28 Dec 2020 11:25

Tgt Ion: 94 Resp: 110648

Ion Ratio Lower Upper

94 100

96 93.3 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

100000

80000

60000

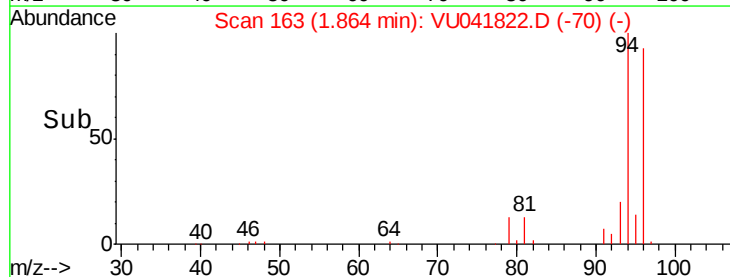
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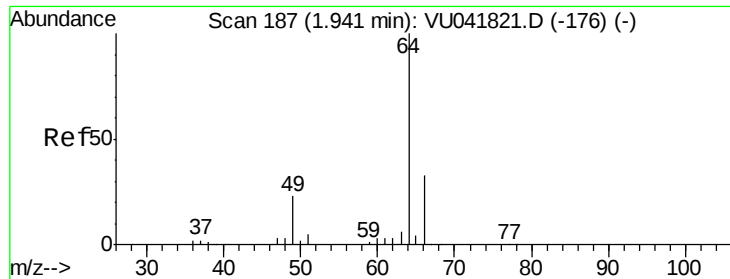
20000

0

1.80 1.85 1.90

Time-->





#8

Chloroethane

Concen: 10.933 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

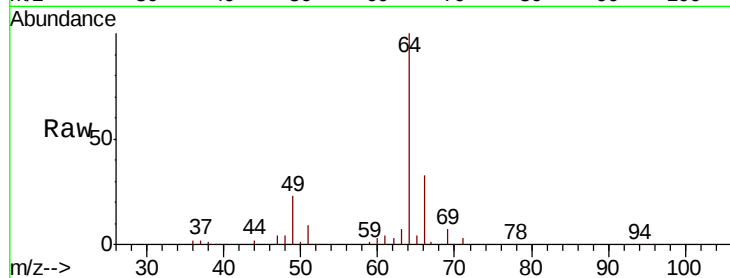
VSTD010315

Tot Ion: 64 Resp: 101574

Ion Ratio Lower Upper

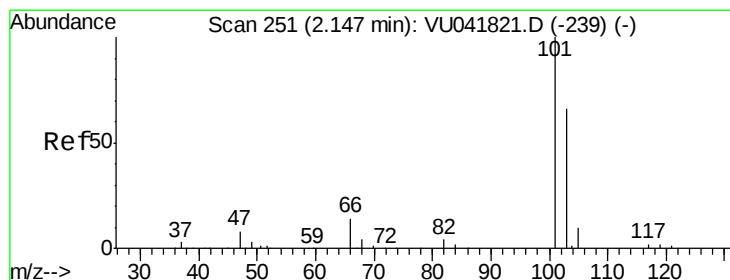
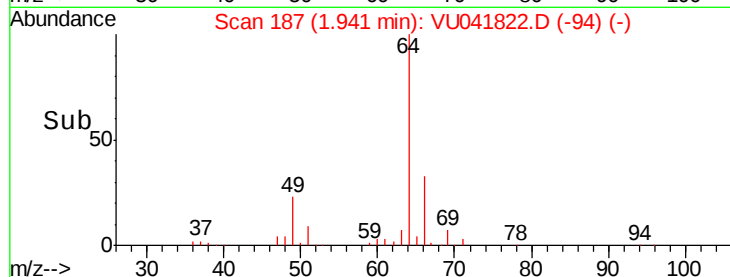
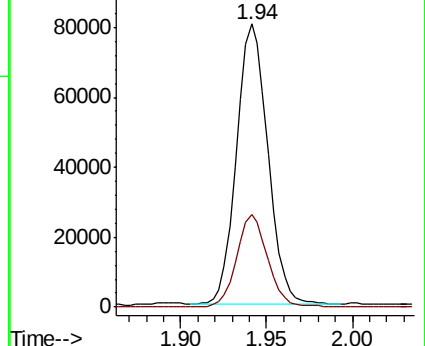
64 100

66 32.6 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VU041822.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU041822.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 9.294 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041822.D

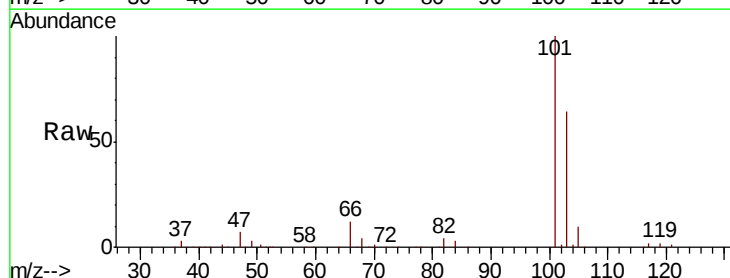
Acq: 28 Dec 2020 11:25

Tgt Ion:101 Resp: 224493

Ion Ratio Lower Upper

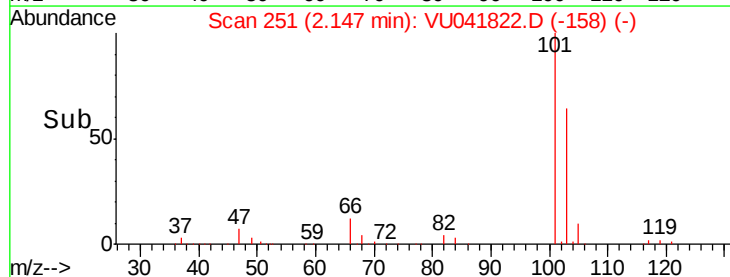
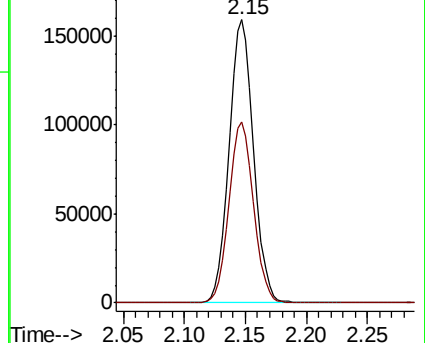
101 100

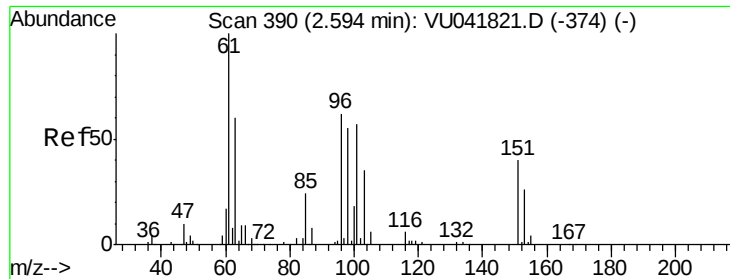
103 64.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VU041822.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041822.D (-239) (-)





#10

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

Concen: 10.936 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

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VSTD010315

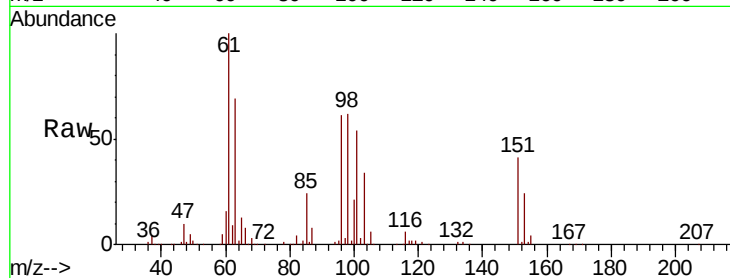
Tot Ion:101 Resp: 126814

Ion Ratio Lower Upper

101 100

85 44.8 34.5 51.7

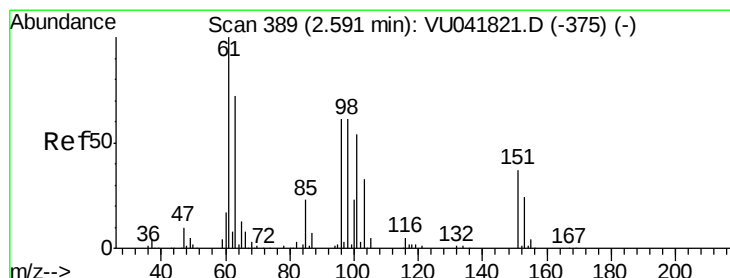
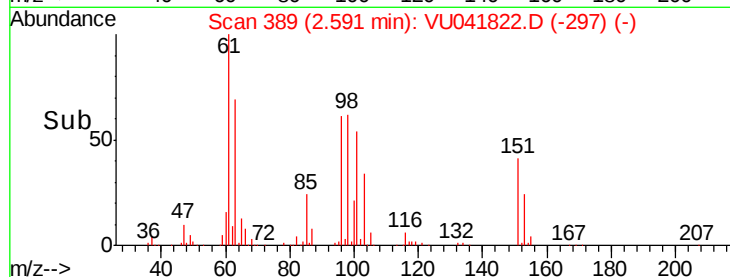
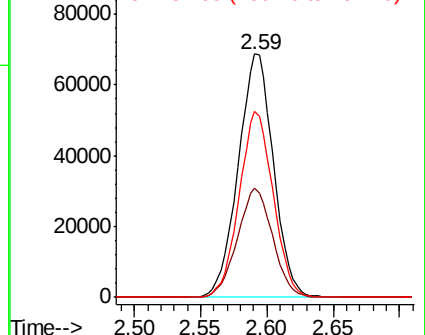
151 73.7 57.4 86.2



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: 12.418 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

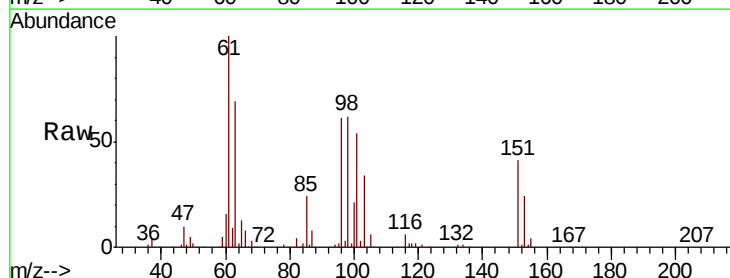
Tgt Ion: 96 Resp: 125237

Ion Ratio Lower Upper

96 100

61 164.9 115.1 213.7

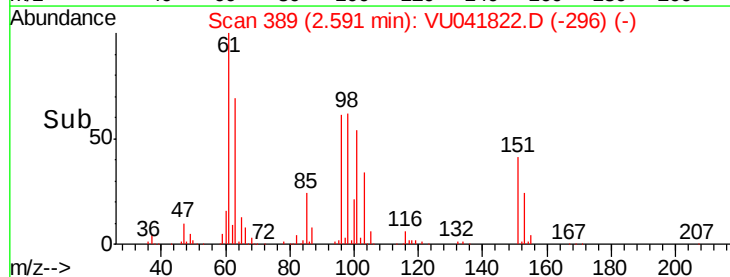
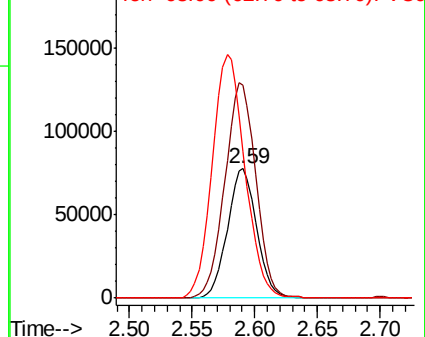
63 113.3 84.1 156.1

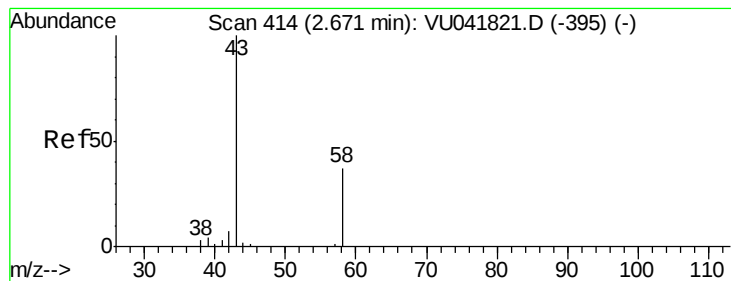


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.683 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

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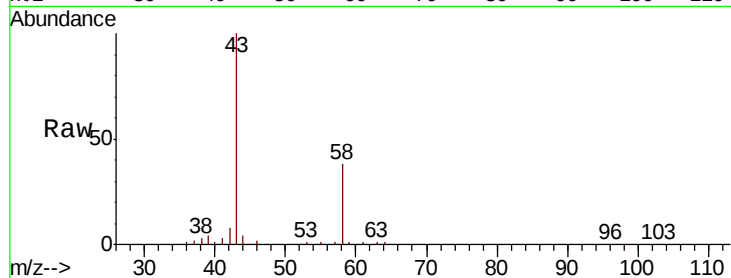
VSTD010315

Tot Ion: 43 Resp: 242560

Ion Ratio Lower Upper

43 100

58 34.2 0.0 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

50000

40000

30000

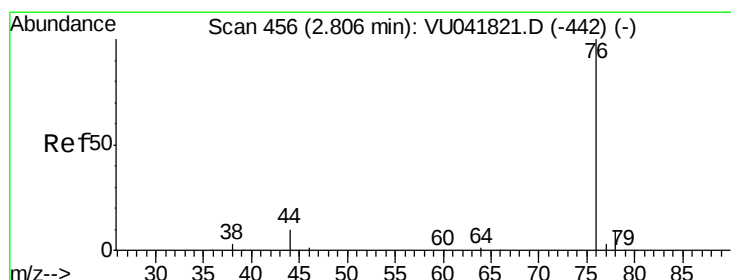
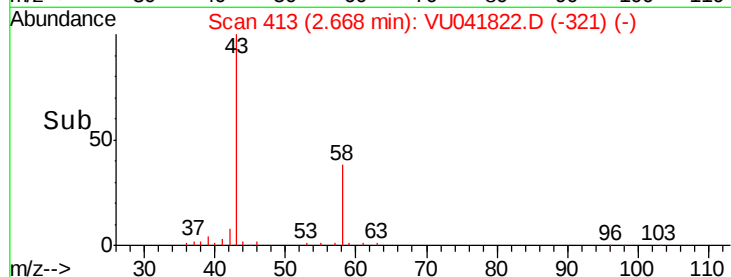
20000

10000

0

Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 13.879 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041822.D

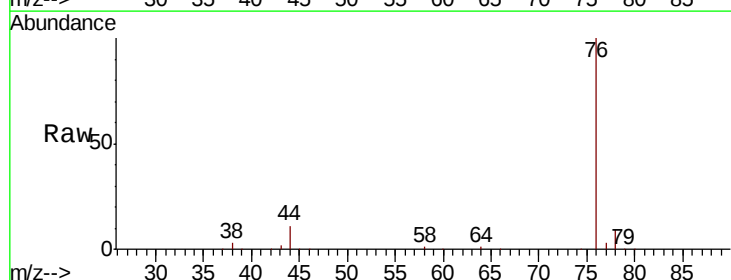
Acq: 28 Dec 2020 11:25

Tgt Ion: 76 Resp: 425563

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.80

300000

250000

200000

150000

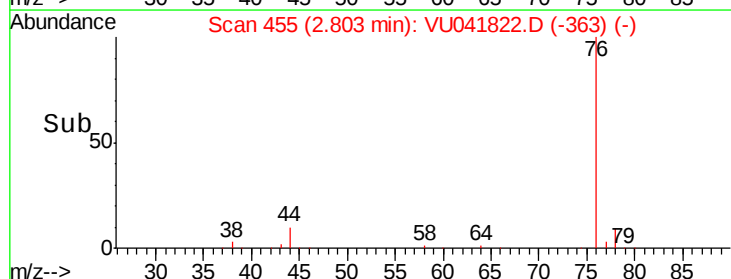
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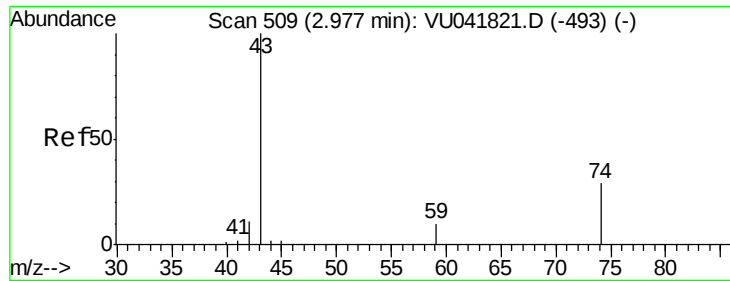
50000

0

Time-->

2.70 2.80 2.90

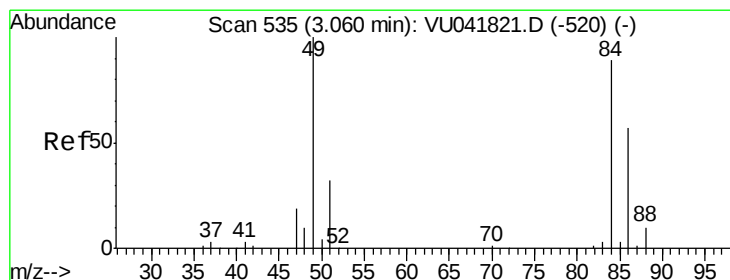
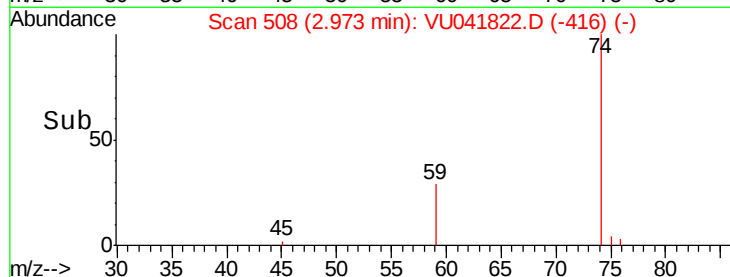
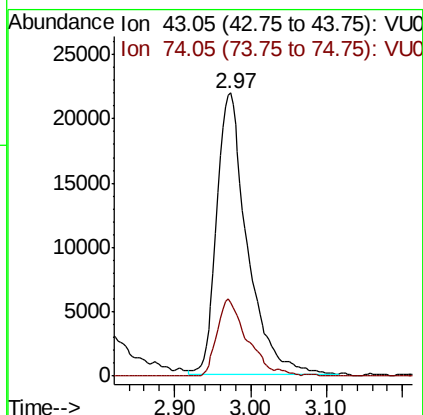
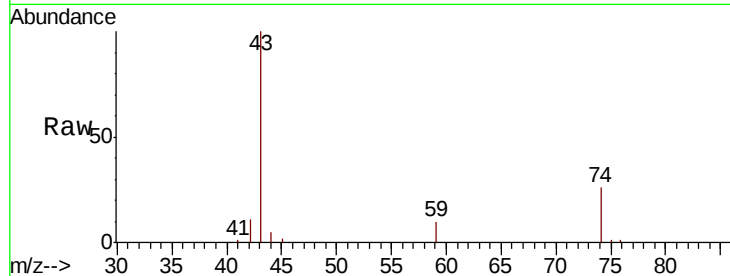




#15
Methyl Acetate
Concen: 11.605 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

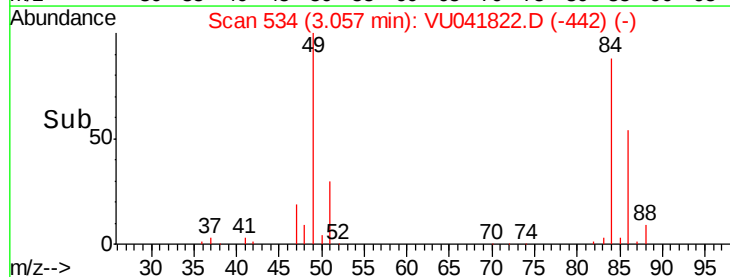
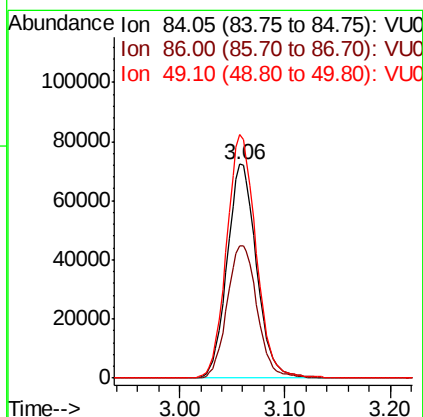
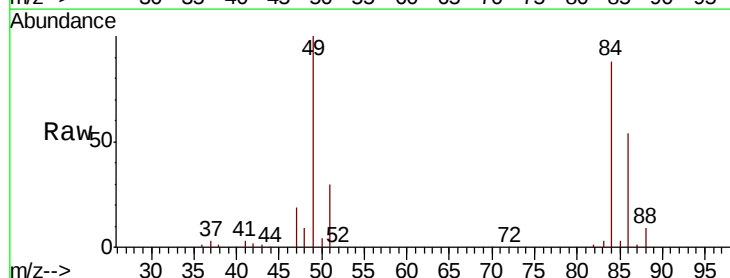
Instrument :
MSVOA_U
ClientSampleId :
VSTD010315

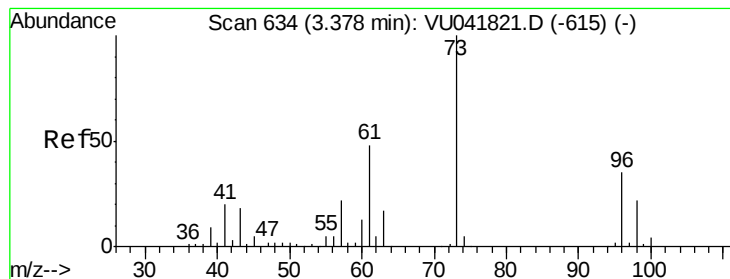
Tot Ion: 43 Resp: 60806
Ion Ratio Lower Upper
43 100
74 27.3 21.5 32.3



#16
Methylene chloride
Concen: 11.079 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Tgt Ion: 84 Resp: 139522
Ion Ratio Lower Upper
84 100
86 61.8 44.9 83.5
49 113.9 79.0 146.8



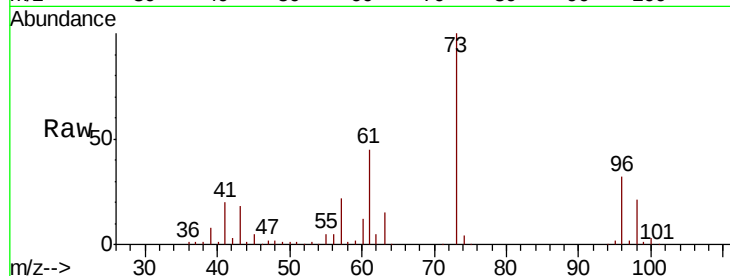


#17

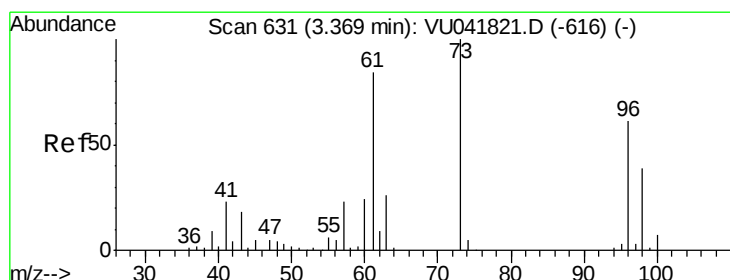
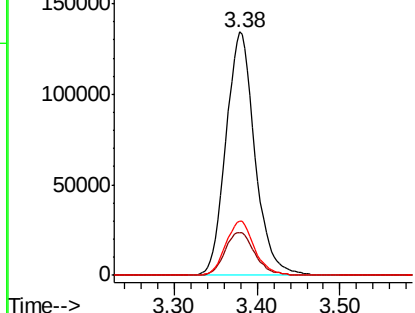
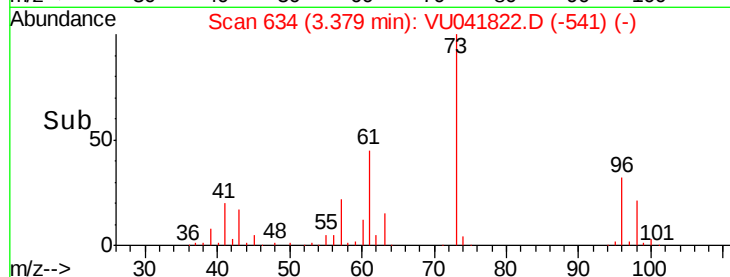
Methyl tert-butyl Ether
 Concen: 10.960 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.0	22.4
57	22.2	17.3	25.9



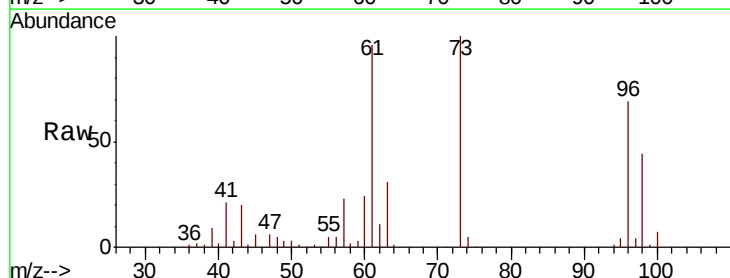
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



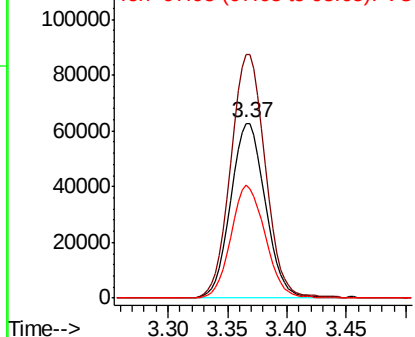
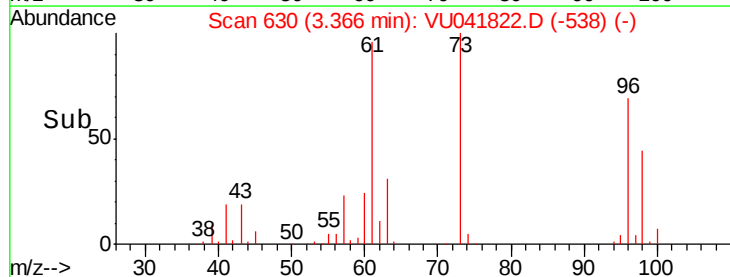
#18

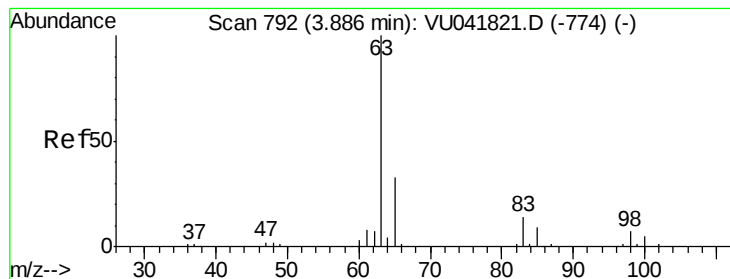
trans-1,2-Dichloroethene
 Concen: 12.153 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.4	96.6	179.4
98	64.5	44.7	82.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 10.375 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD010315

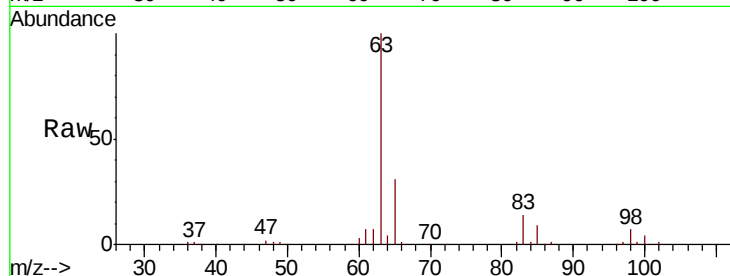
Tot Ion: 63 Resp: 216460

Ion Ratio Lower Upper

63 100

65 31.0 23.2 43.0

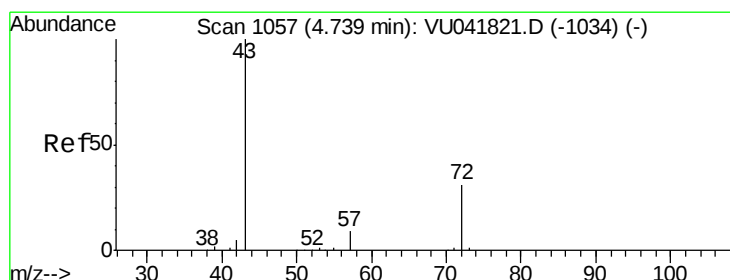
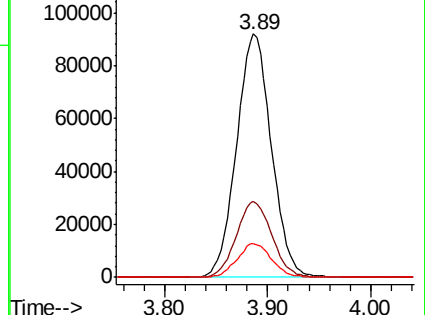
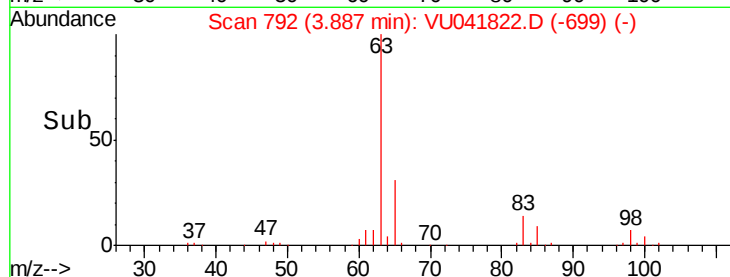
83 14.0 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VU041822.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU041822.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU041822.D (-699) (-)



#21

2-Butanone

Concen: 94.012 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU041822.D

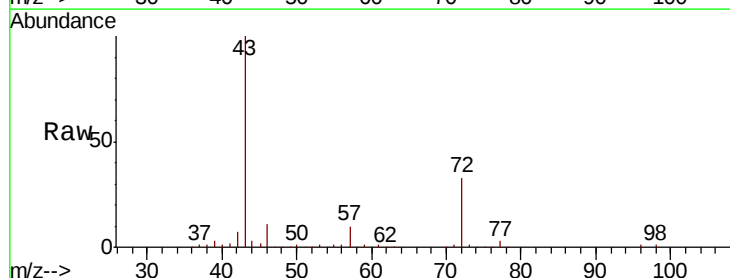
Acq: 28 Dec 2020 11:25

Tgt Ion: 43 Resp: 328098

Ion Ratio Lower Upper

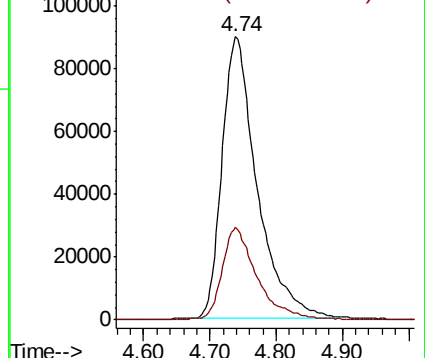
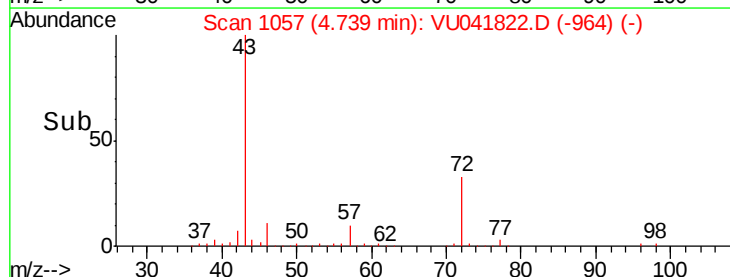
43 100

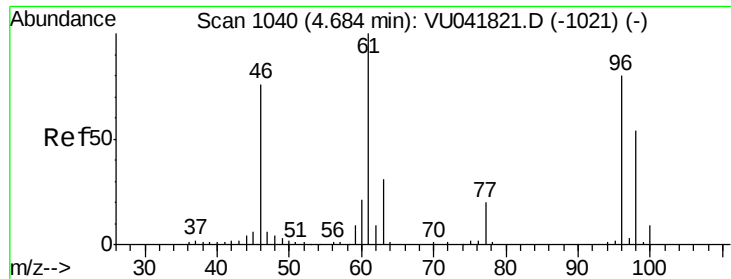
72 32.9 15.8 47.3



Abundance Ion 43.05 (42.75 to 43.75): VU041822.D (-964) (-)

Ion 72.10 (71.80 to 72.80): VU041822.D (-964) (-)

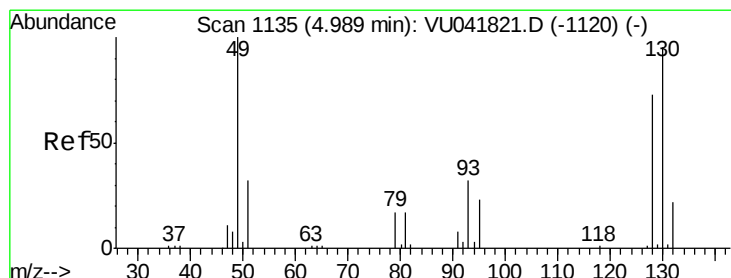
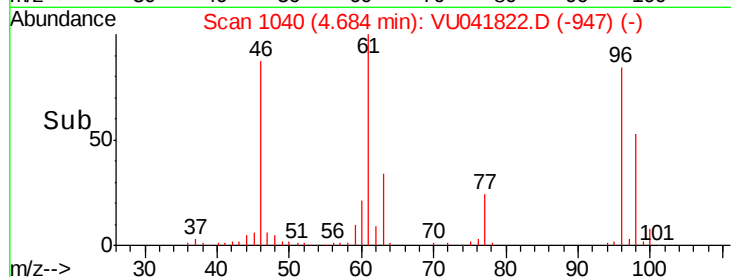
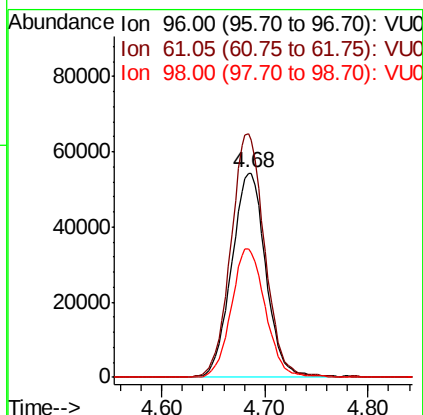
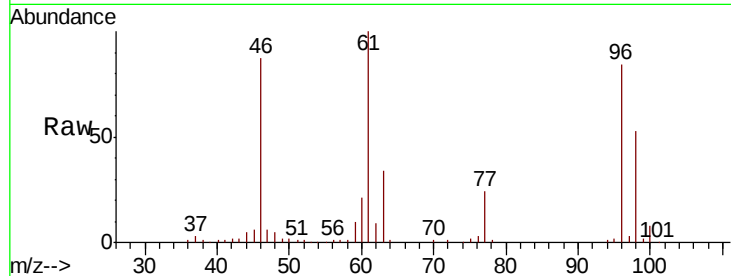




#22
 cis-1,2-Dichloroethene
 Concen: 11.159 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

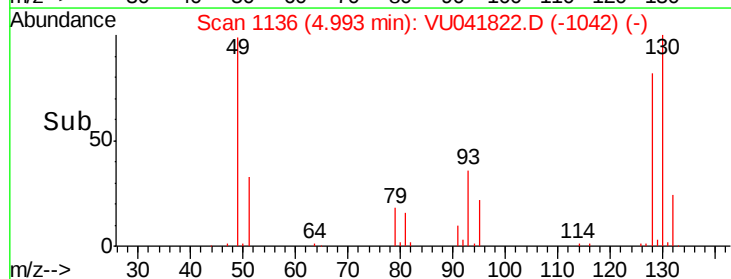
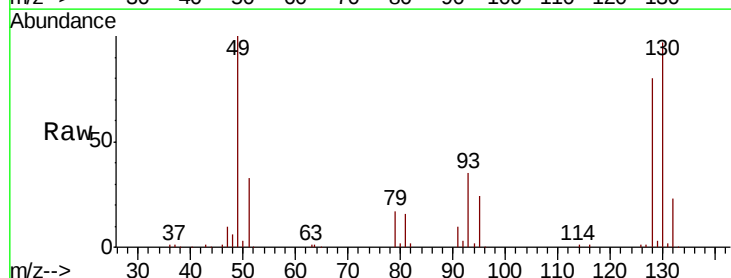
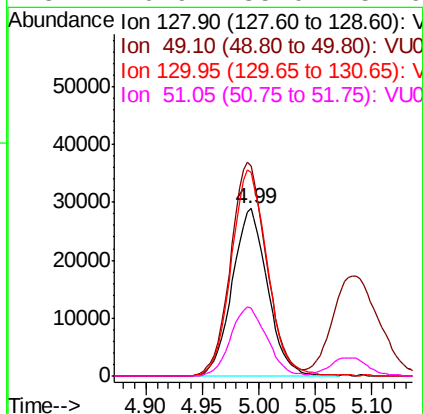
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

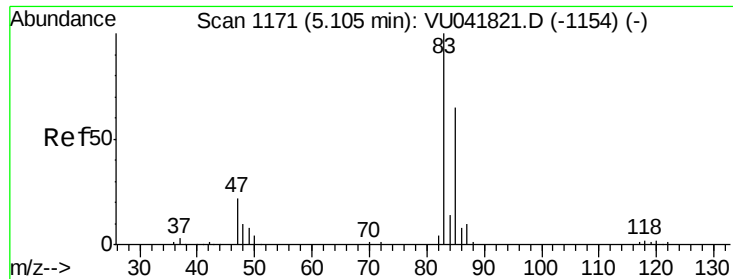
Tot Ion: 96 Resp: 125181
 Ion Ratio Lower Upper
 96 100
 61 119.1 87.4 162.4
 98 62.9 47.7 88.5



#23
 Bromochloromethane
 Concen: 11.285 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Tgt Ion: 128 Resp: 62932
 Ion Ratio Lower Upper
 128 100
 49 125.6 96.4 179.0
 130 121.2 91.2 169.4
 51 40.9 35.0 52.6

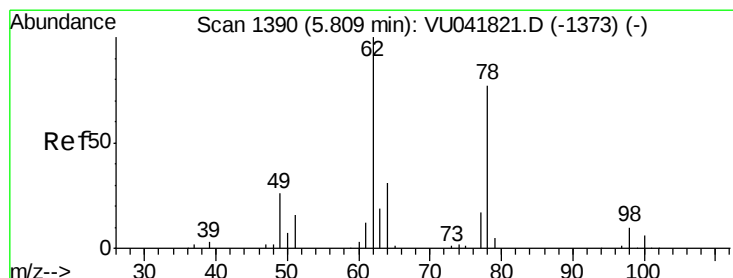
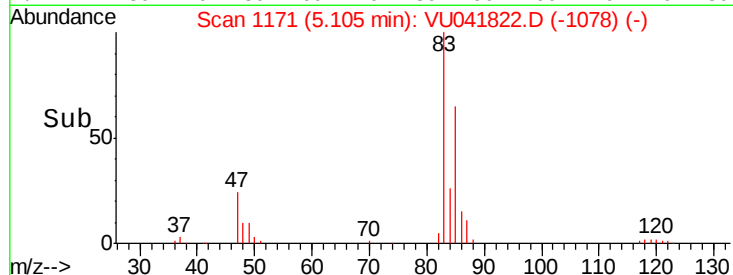
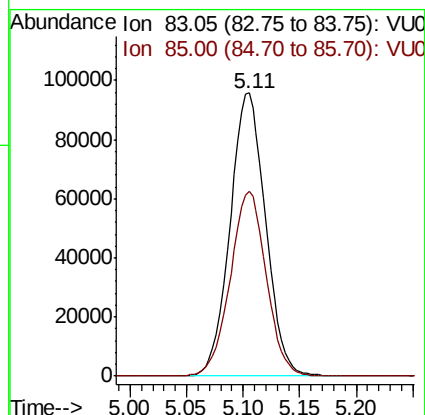
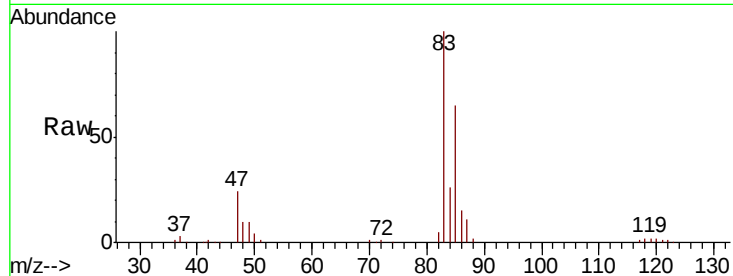




#25
Chloroform
Concen: 8.925 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

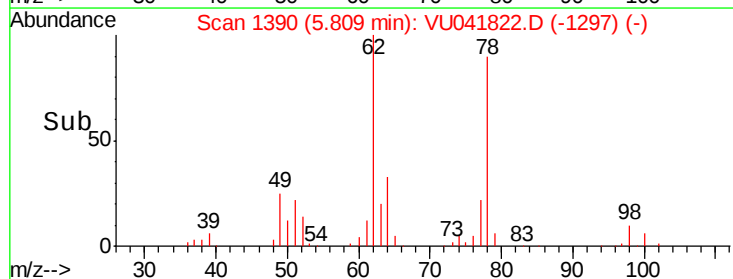
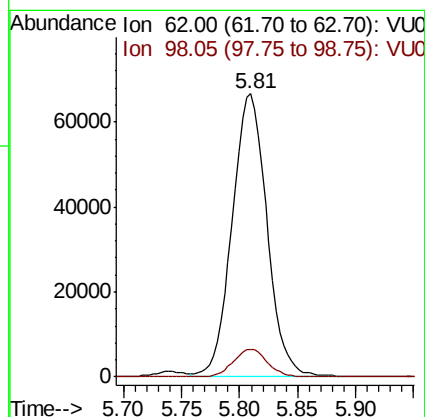
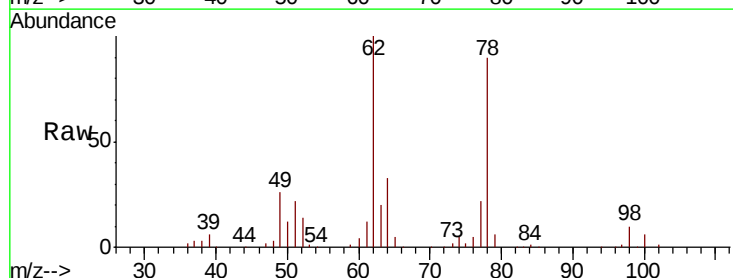
Instrument :
MSVOA_U
ClientSampleId :
VSTD010315

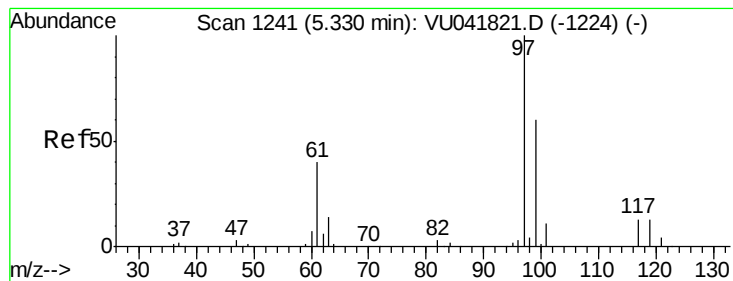
Tot Ion: 83 Resp: 209129
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 8.095 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Tgt Ion: 62 Resp: 138739
Ion Ratio Lower Upper
62 100
98 9.9 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 8.823 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD010315

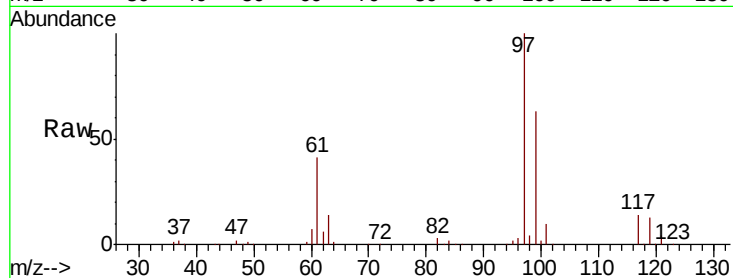
Tot Ion: 97 Resp: 183075

Ion Ratio Lower Upper

97 100

99 64.7 50.3 75.5

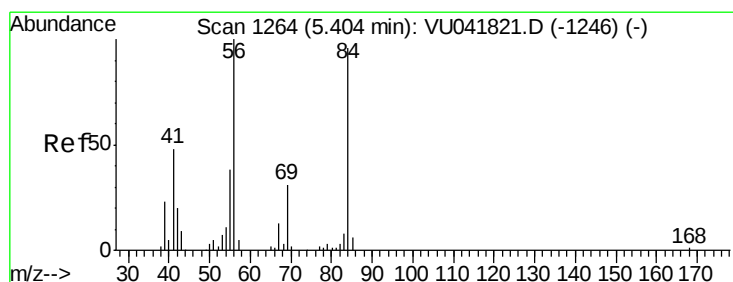
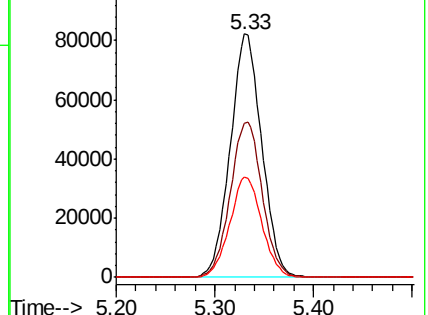
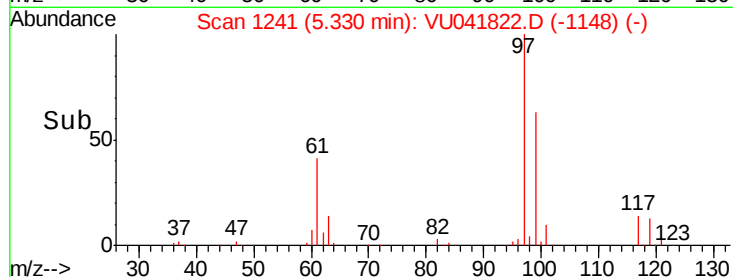
61 42.0 32.7 49.1



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 11.470 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

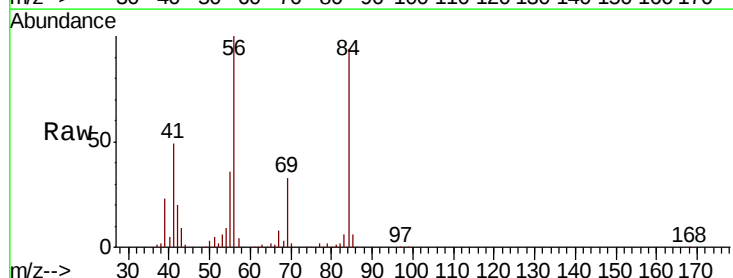
Tgt Ion: 56 Resp: 177857

Ion Ratio Lower Upper

56 100

69 32.4 25.2 37.8

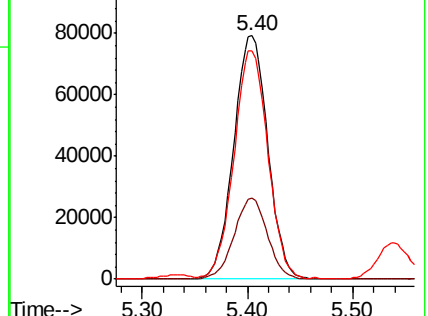
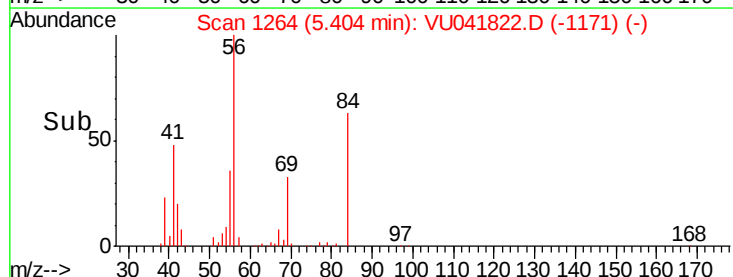
84 92.6 76.2 114.4

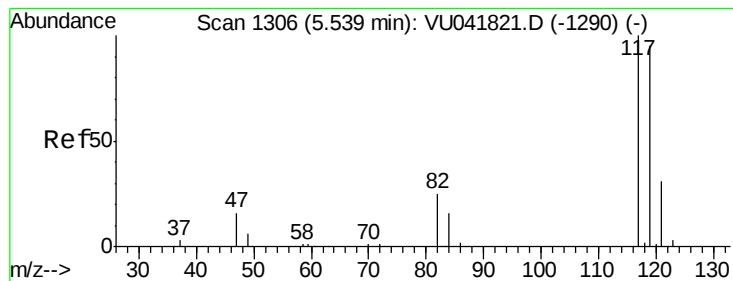


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 8.770 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

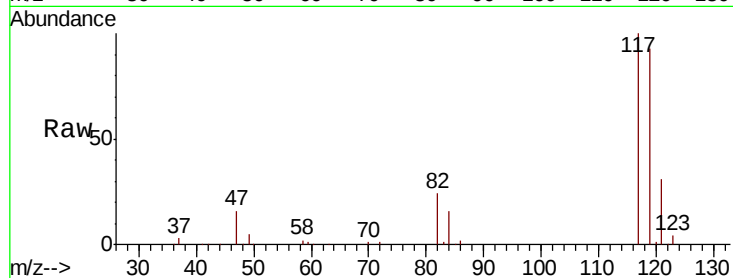
VSTD010315

Tot Ion:117 Resp: 164025

Ion Ratio Lower Upper

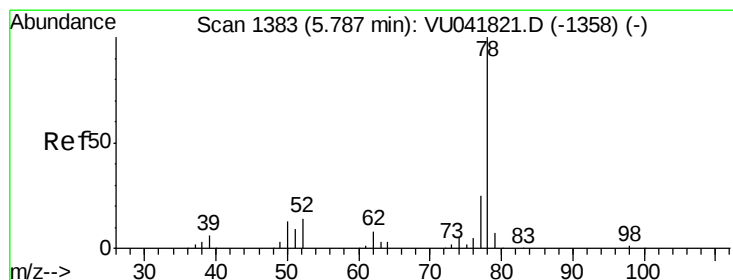
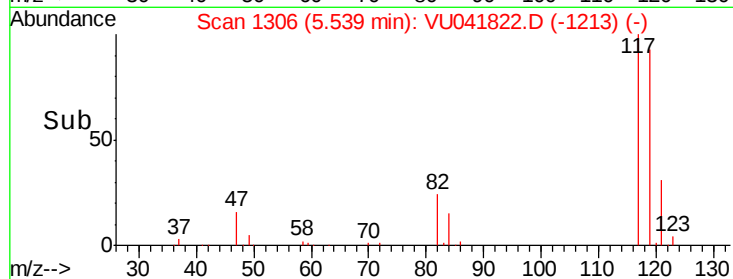
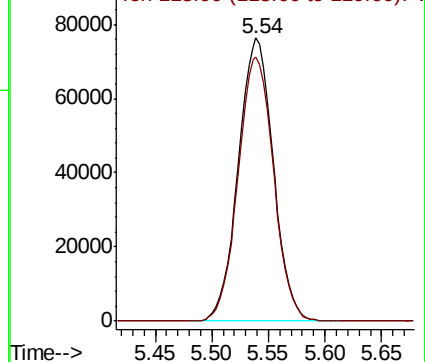
117 100

119 94.7 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 11.041 ug/L

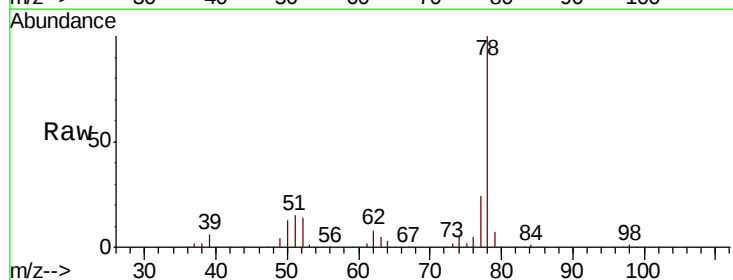
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

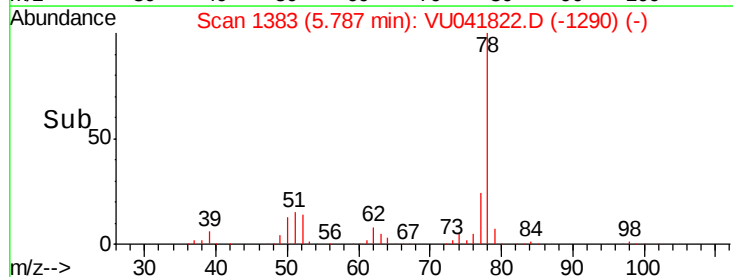
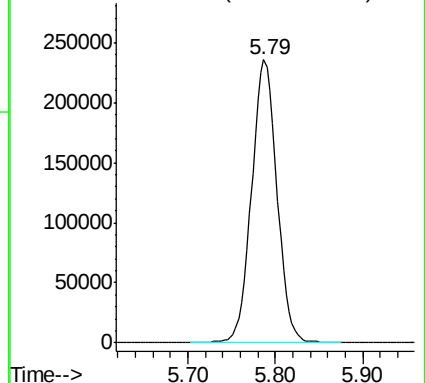
Lab File: VU041822.D

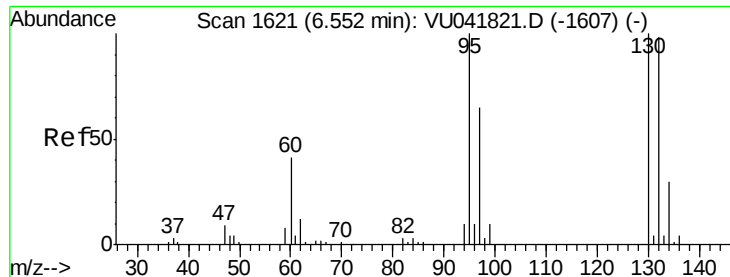
Acq: 28 Dec 2020 11:25

Tgt Ion: 78 Resp: 474997



Abundance Ion 78.10 (77.80 to 78.80): VU0

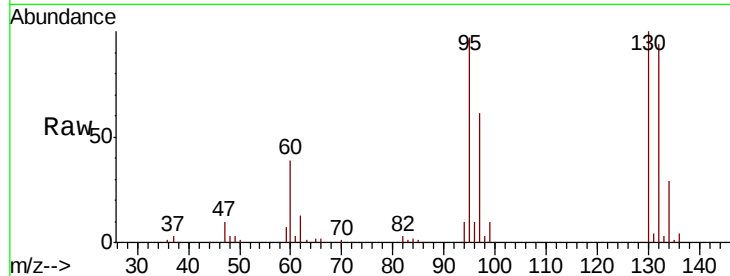




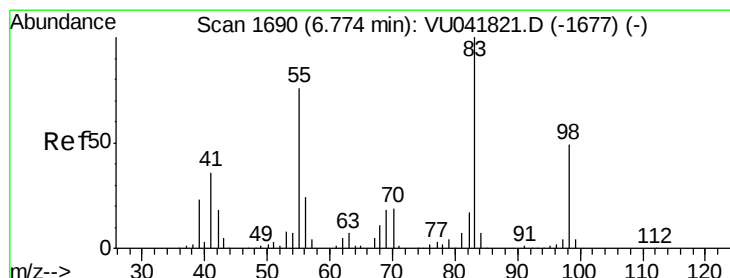
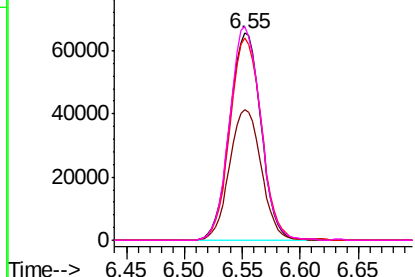
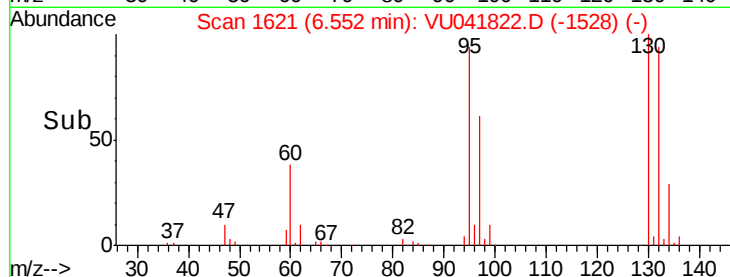
#34
 Trichloroethene
 Concen: 10.470 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

Tot Ion: 95 Resp: 123204
 Ion Ratio Lower Upper
 95 100
 97 63.0 45.8 85.2
 132 97.4 68.7 127.7
 130 103.1 70.1 130.3

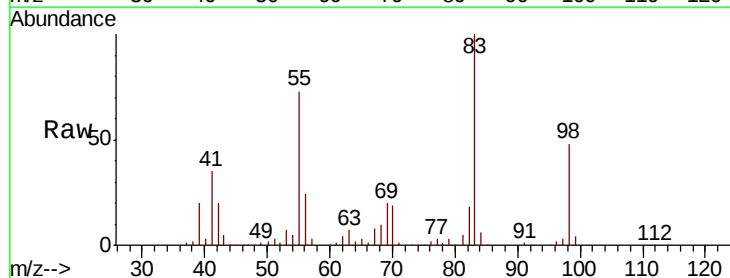


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

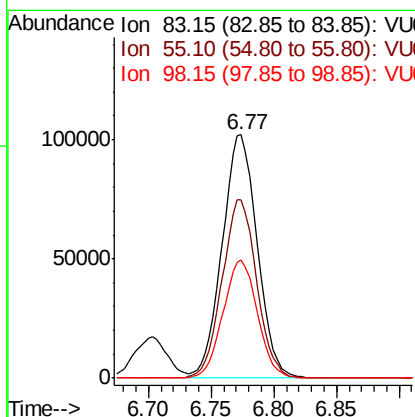
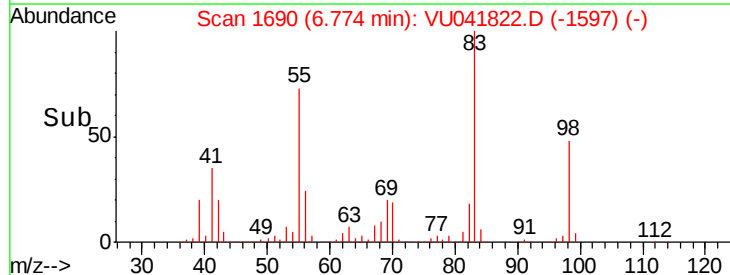


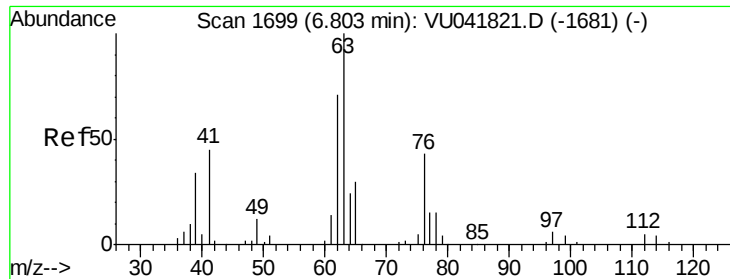
#35
 Methylcyclohexane
 Concen: 11.855 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Tgt Ion: 83 Resp: 197515
 Ion Ratio Lower Upper
 83 100
 55 72.4 59.5 89.3
 98 47.8 37.9 56.9



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

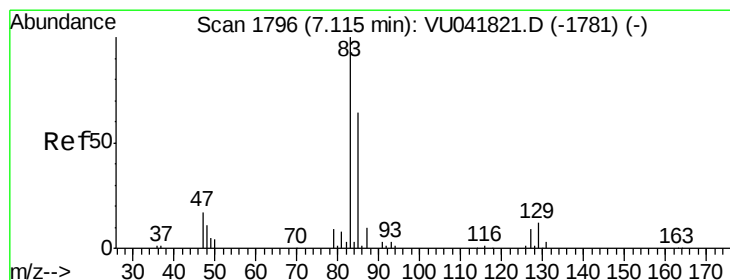
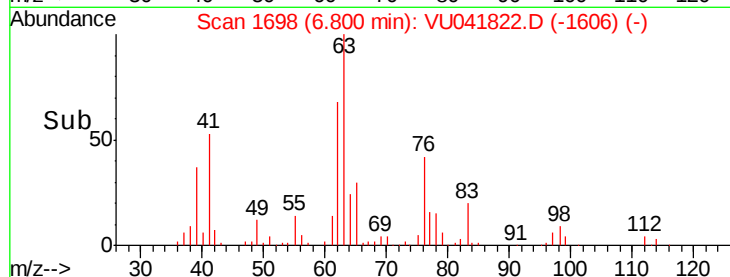
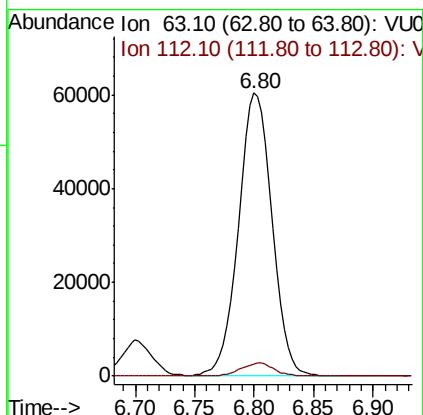
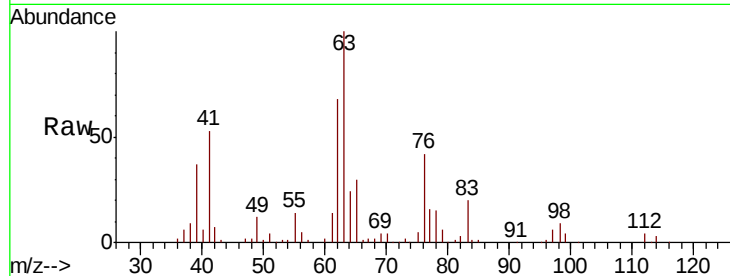




#37
 1,2-Dichloropropane
 Concen: 10.701 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

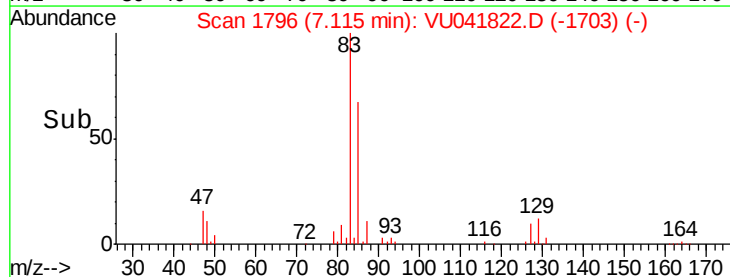
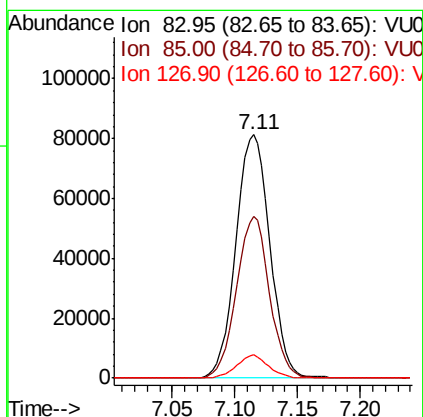
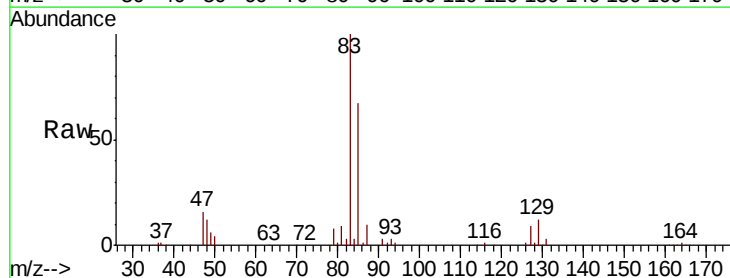
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

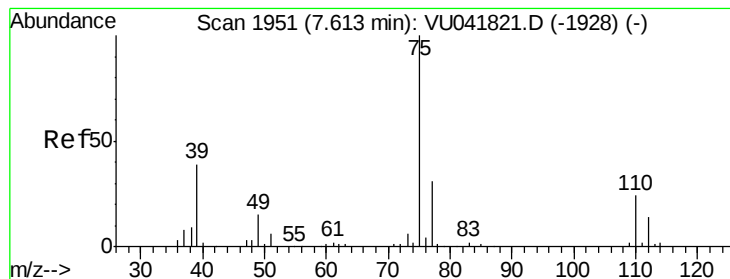
Tot Ion: 63 Resp: 117390
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 9.210 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Tgt Ion: 83 Resp: 153181
 Ion Ratio Lower Upper
 83 100
 85 66.5 44.6 82.8
 127 9.4 7.4 11.2



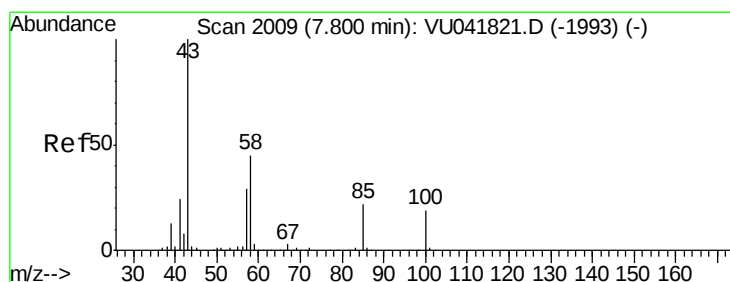
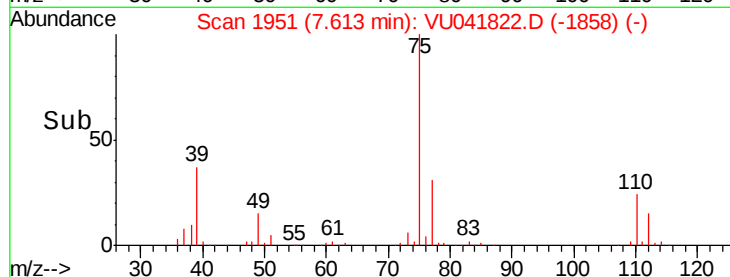
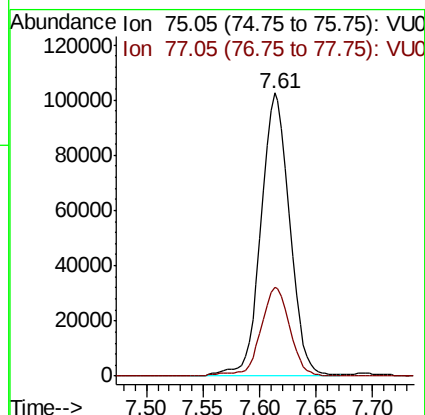
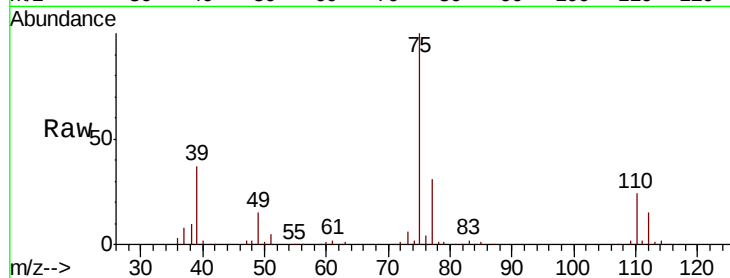


#39

cis-1,3-Dichloropropene
 Concen: 10.737 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

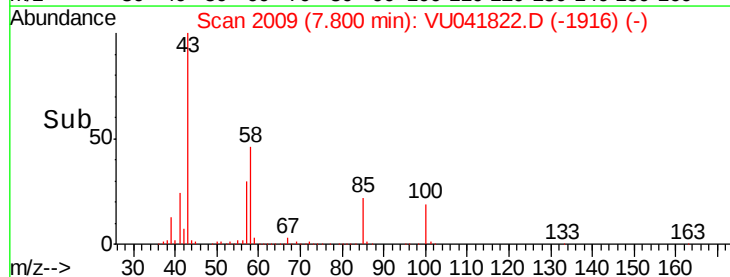
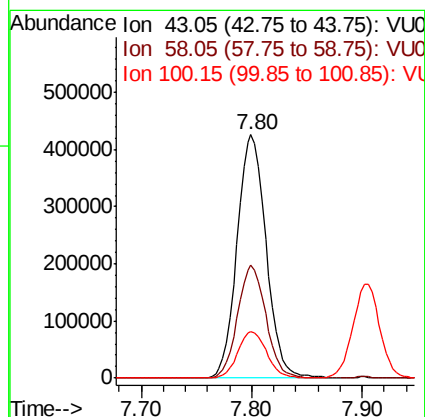
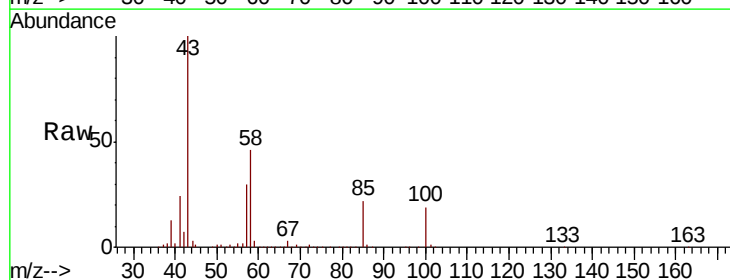
Tot Ion: 75 Resp: 181605
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.8 40.6

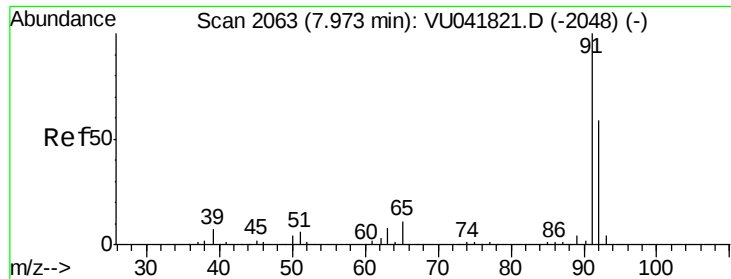


#40

4-Methyl-2-pentanone
 Concen: 99.790 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Tgt Ion: 43 Resp: 779050
 Ion Ratio Lower Upper
 43 100
 58 45.4 35.8 53.6
 100 19.1 15.1 22.7





#42

Toluene

Concen: 11.115 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

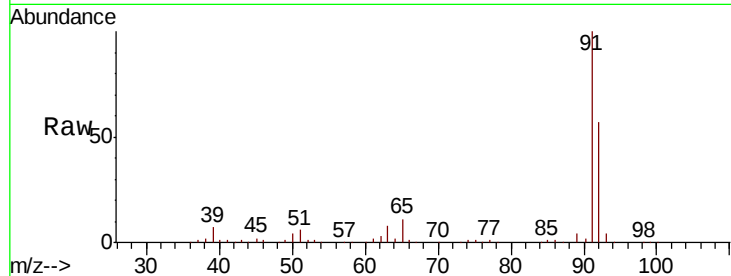
VSTD010315

Tot Ion: 91 Resp: 514184

Ion Ratio Lower Upper

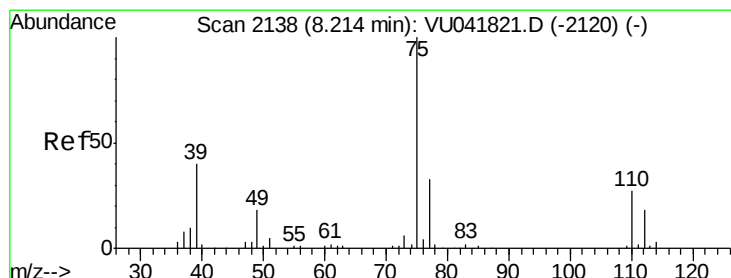
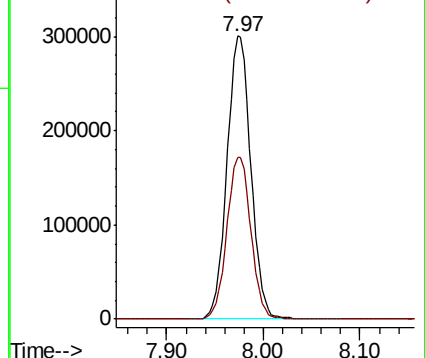
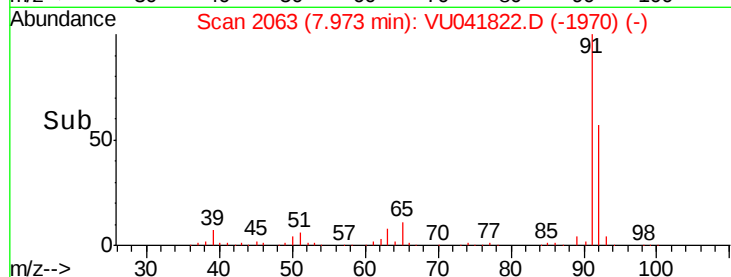
91 100

92 57.3 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU041822.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU041822.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.149 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041822.D

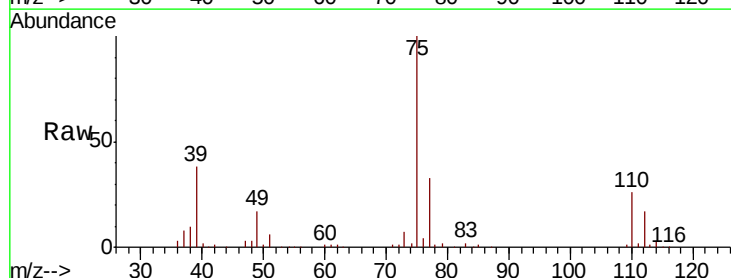
Acq: 28 Dec 2020 11:25

Tgt Ion: 75 Resp: 166275

Ion Ratio Lower Upper

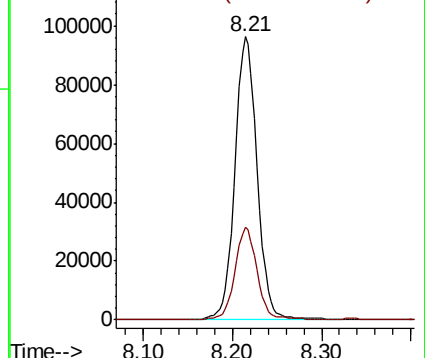
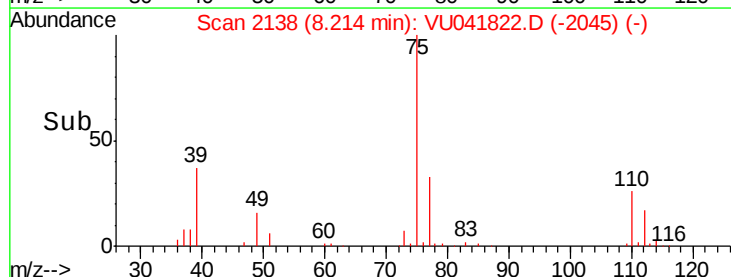
75 100

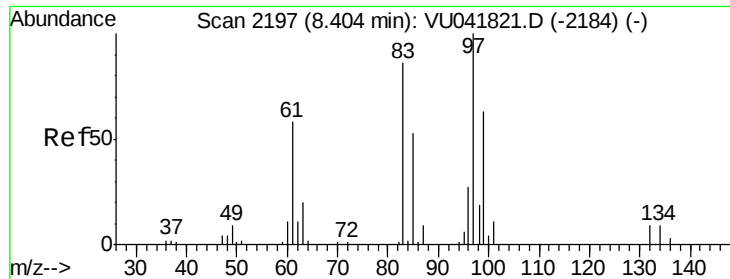
77 32.7 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VU041822.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU041822.D (-2045) (-)

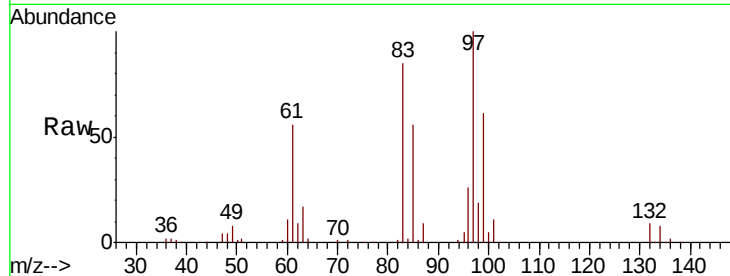




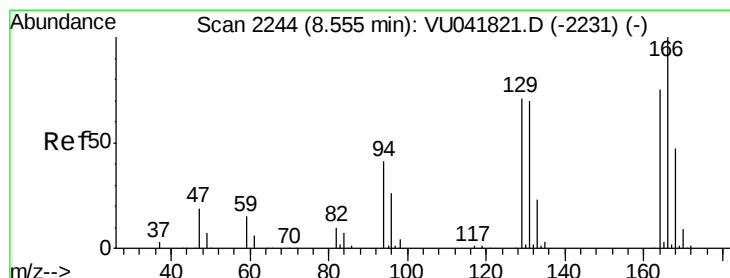
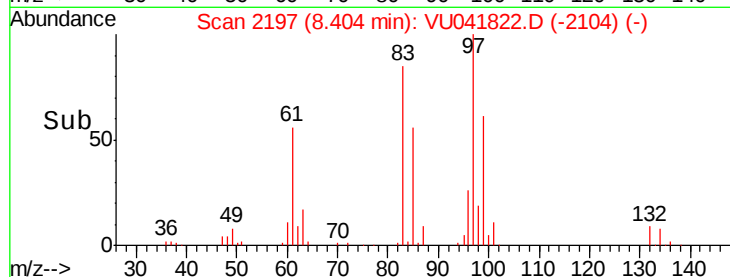
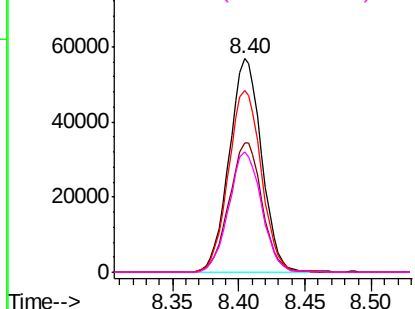
#45
1,1,2-Trichloroethane
Concen: 11.106 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD010315

Tot Ion:	97	Resp:	96595
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.2	82.0
83	85.2	60.1	111.7
85	56.1	37.3	69.3

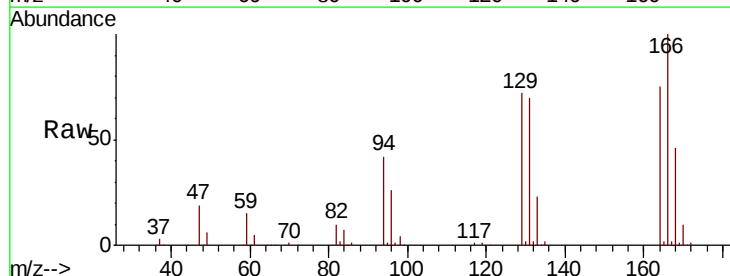


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

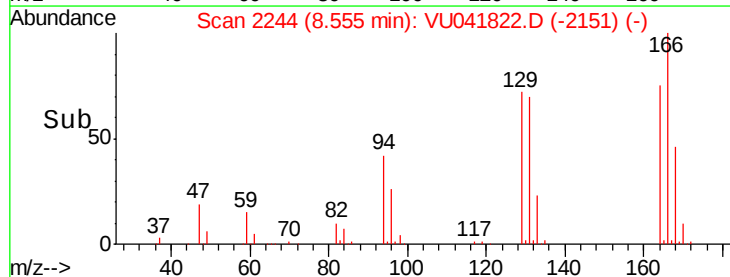
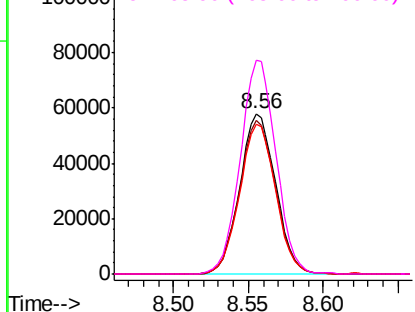


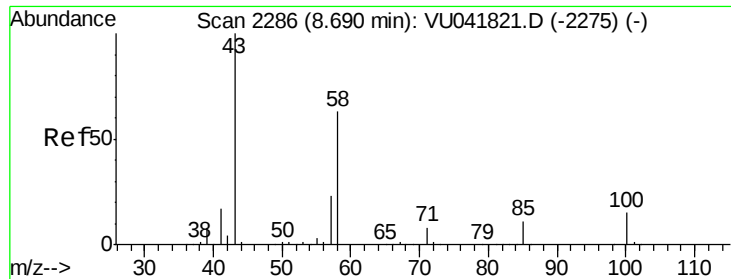
#47
Tetrachloroethene
Concen: 10.970 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Tgt Ion:	164	Resp:	96845
Ion	Ratio	Lower	Upper
164	100		
129	95.3	66.6	123.8
131	93.6	65.9	122.3
166	133.1	93.7	173.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

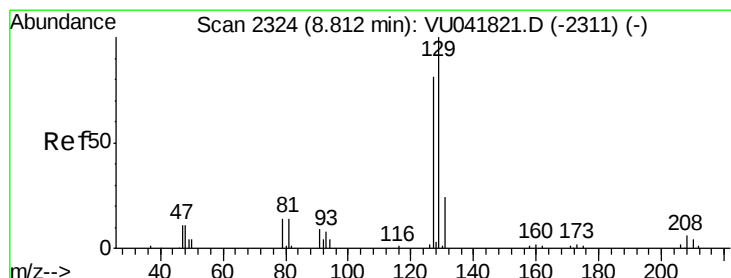
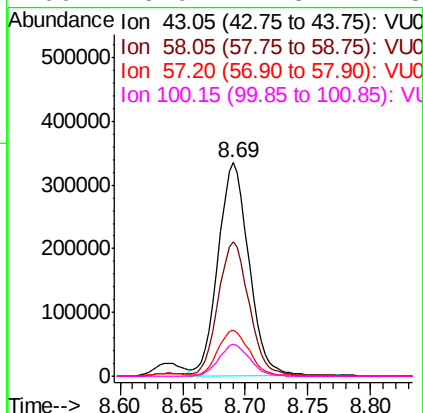
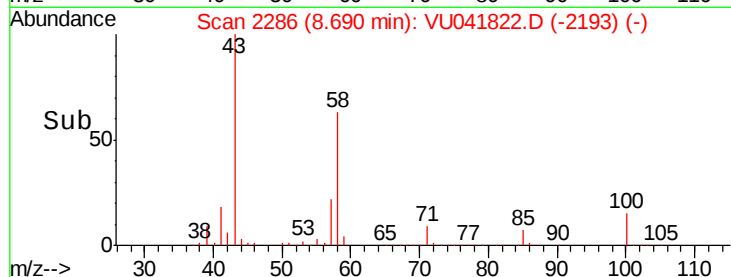
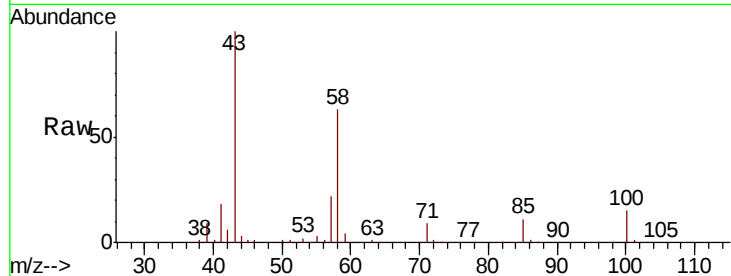




#48
2-Hexanone
Concen: 97.731 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

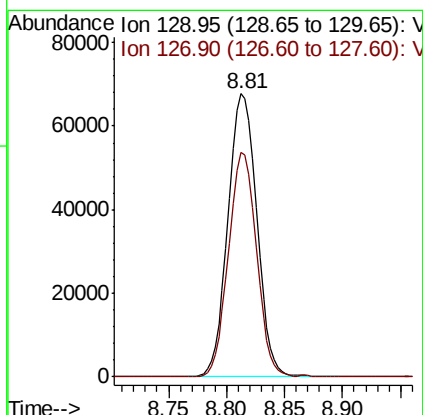
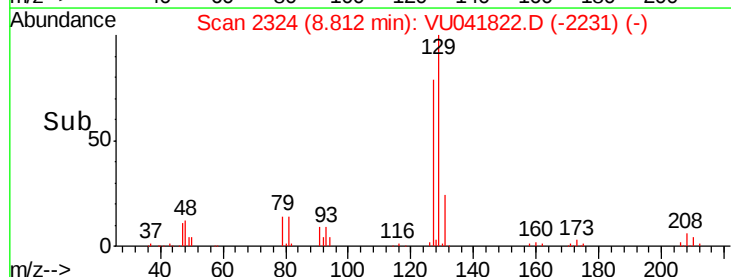
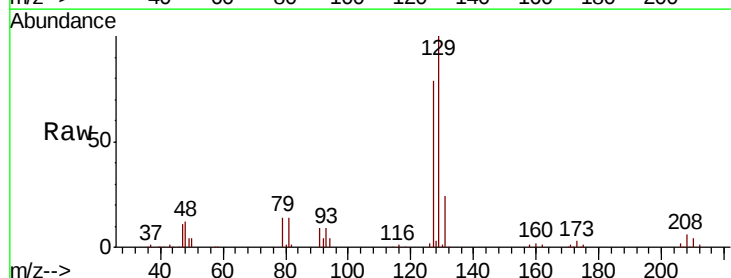
Instrument :
MSVOA_U
ClientSampleId :
VSTD010315

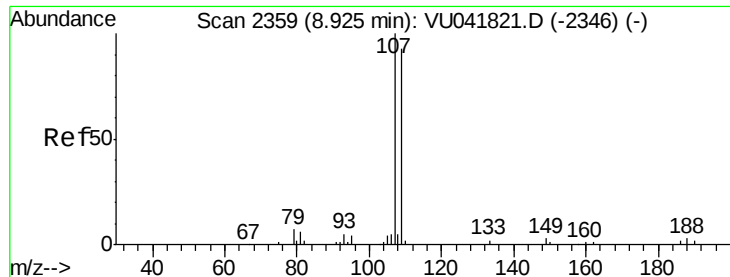
Tot Ion: 43 Resp: 573473
Ion Ratio Lower Upper
43 100
58 64.1 50.0 75.0
57 21.9 17.4 26.0
100 15.0 11.8 17.8



#49
Dibromochloromethane
Concen: 10.120 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Tgt Ion: 129 Resp: 116586
Ion Ratio Lower Upper
129 100
127 79.1 56.6 105.2

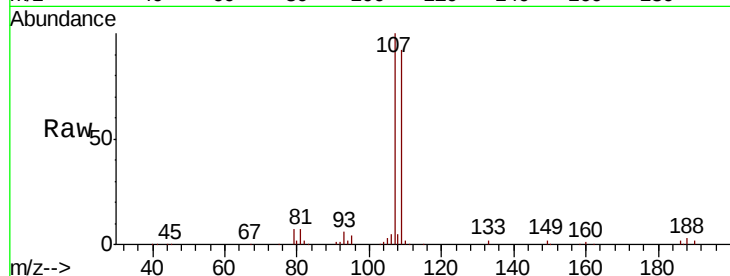




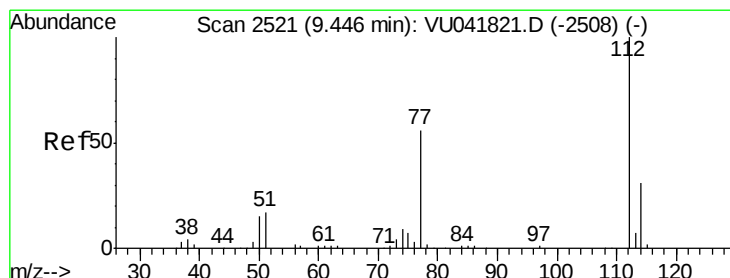
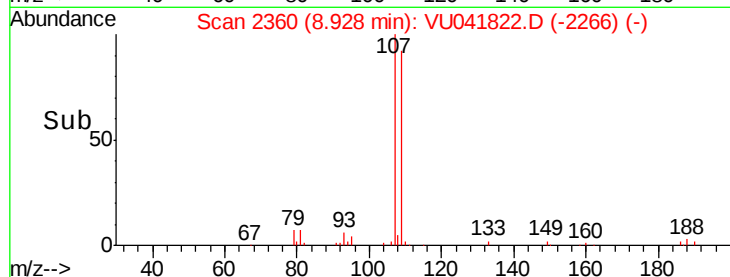
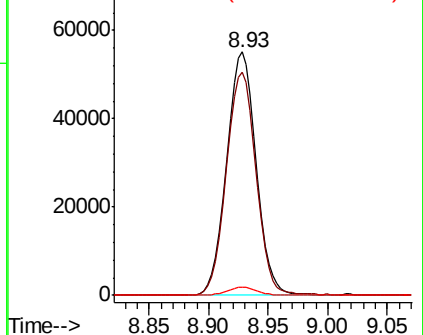
#50
1,2-Dibromoethane
Concen: 11.170 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD010315

Tot Ion:107 Resp: 94797
Ion Ratio Lower Upper
107 100
109 91.7 65.4 121.4
188 3.3 2.5 3.7

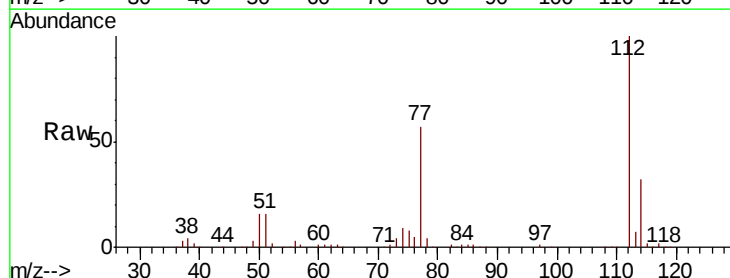


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

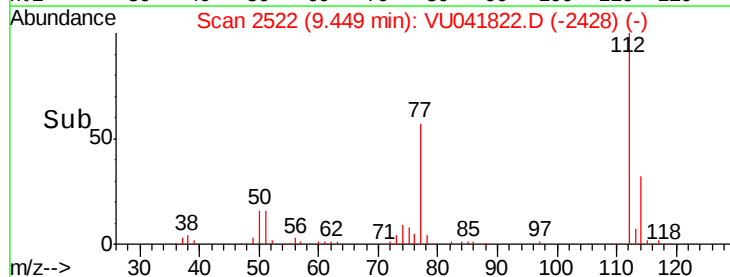
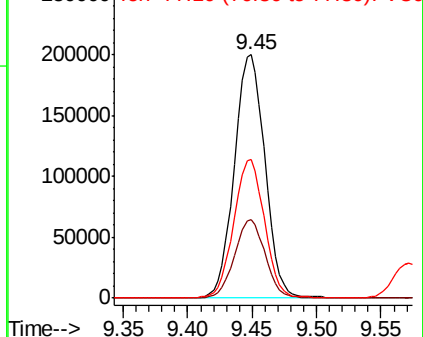


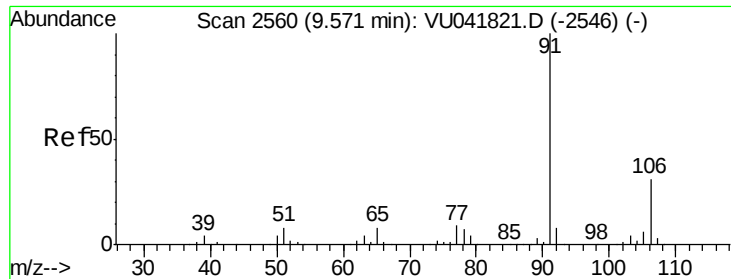
#51
Chlorobenzene
Concen: 10.980 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Tgt Ion:112 Resp: 330064
Ion Ratio Lower Upper
112 100
114 32.3 21.9 40.7
77 56.9 45.1 67.7



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

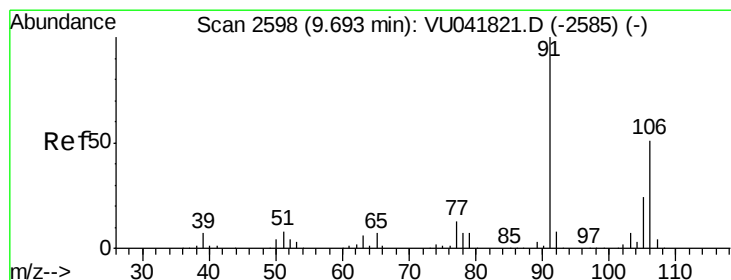
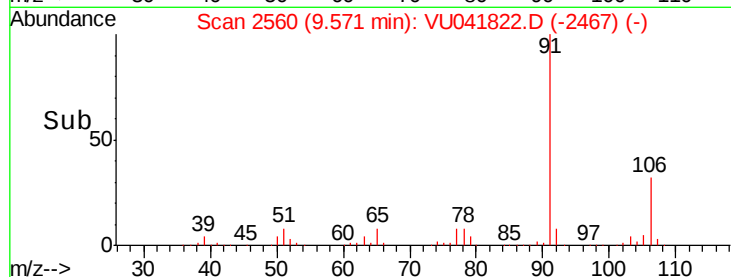
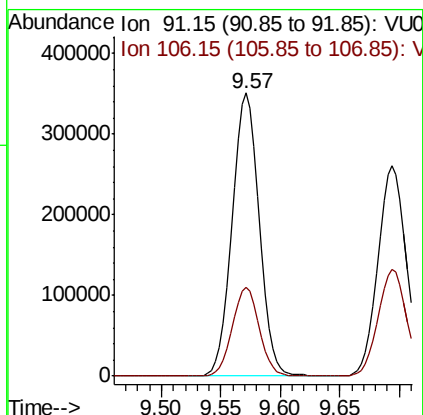
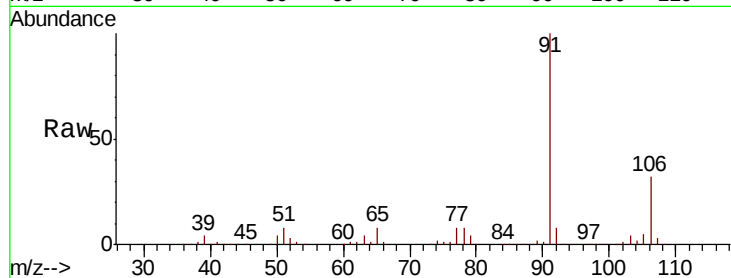




#52
Ethylbenzene
Concen: 10.803 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

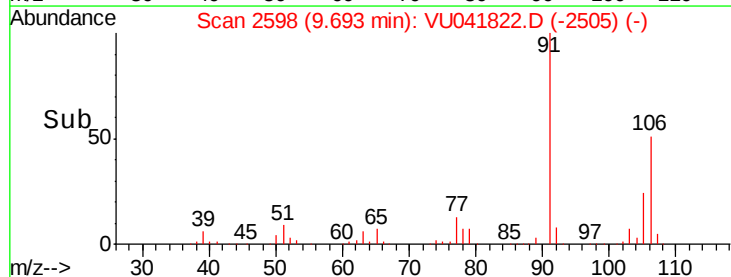
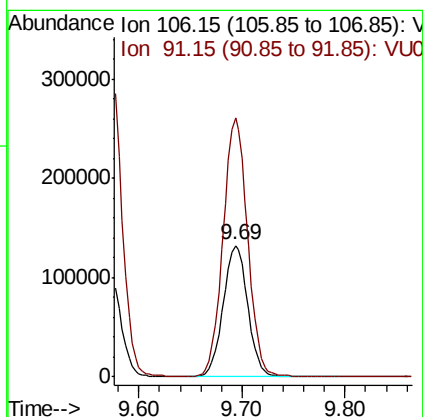
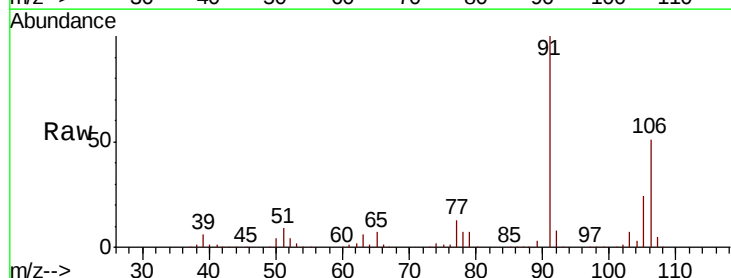
Instrument :
MSVOA_U
ClientSampleId :
VSTD010315

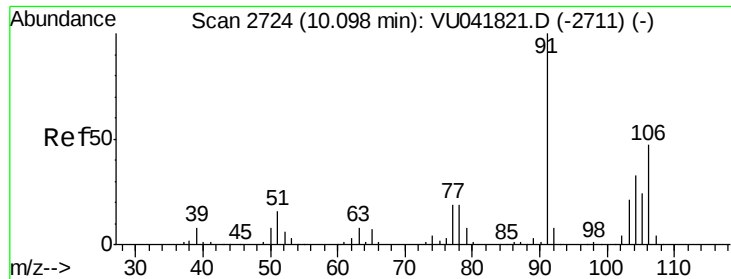
Tot Ion: 91 Resp: 554099
Ion Ratio Lower Upper
91 100
106 31.5 22.0 40.8



#53
m,p-Xylene
Concen: 11.730 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Tgt Ion: 106 Resp: 219700
Ion Ratio Lower Upper
106 100
91 197.4 137.6 255.6

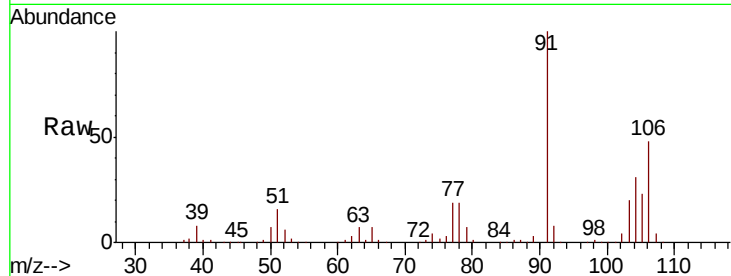




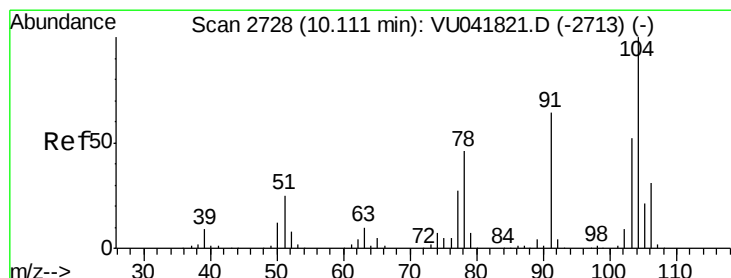
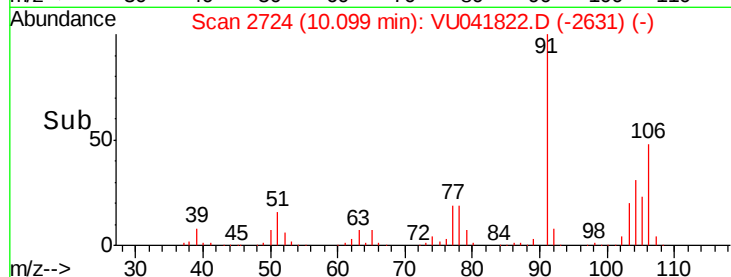
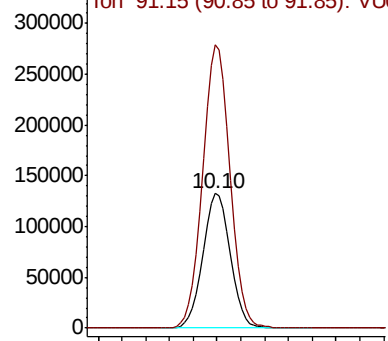
#54
o-Xylene
Concen: 11.642 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD010315

Tot Ion:106 Resp: 211551
Ion Ratio Lower Upper
106 100
91 210.5 148.5 275.9

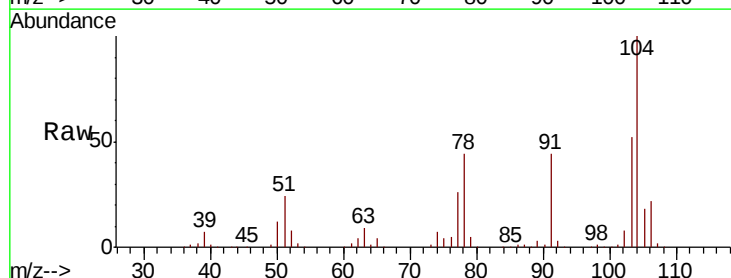


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

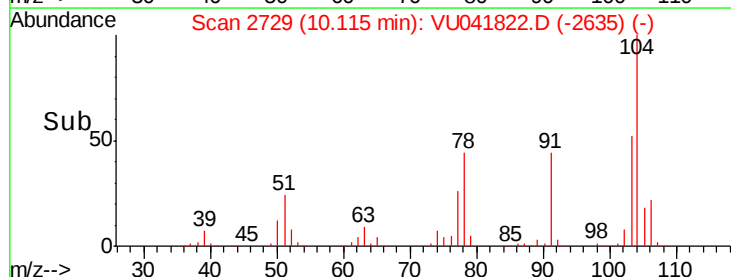
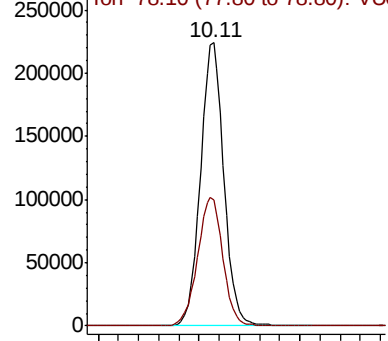


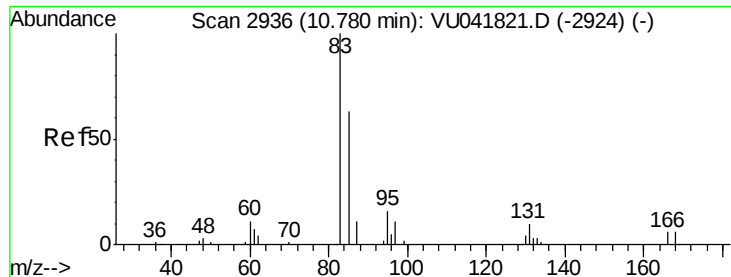
#55
Styrene
Concen: 11.382 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Tgt Ion:104 Resp: 362058
Ion Ratio Lower Upper
104 100
78 44.3 32.3 60.1



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

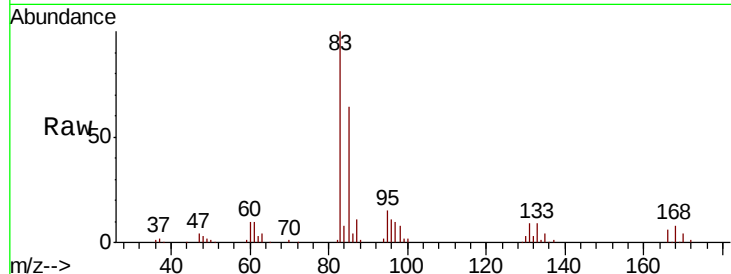




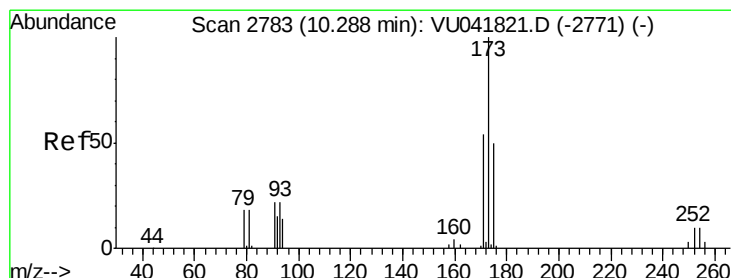
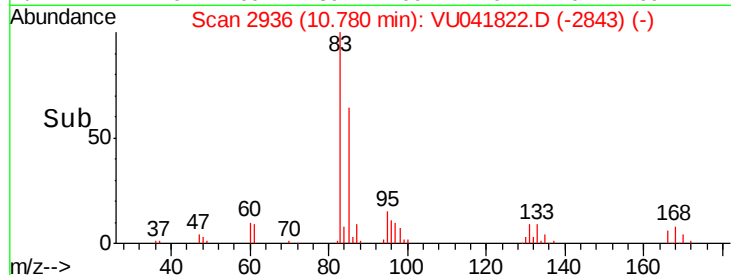
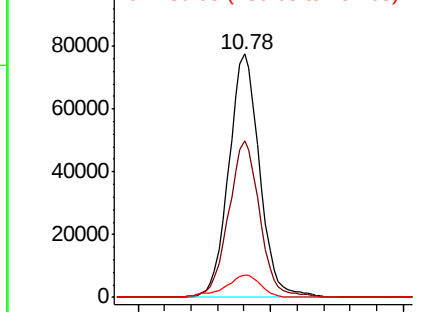
#57
 1,1,2,2-Tetrachloroethane
 Concen: 11.044 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

Tot Ion: 83 Resp: 125062
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.5
 131 9.3 8.2 12.4

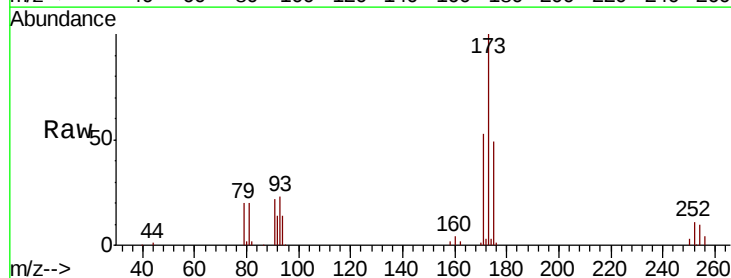


Abundance Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 130.95 (130.65 to 131.65): V

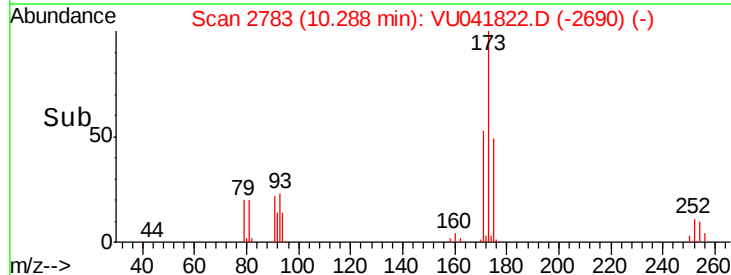
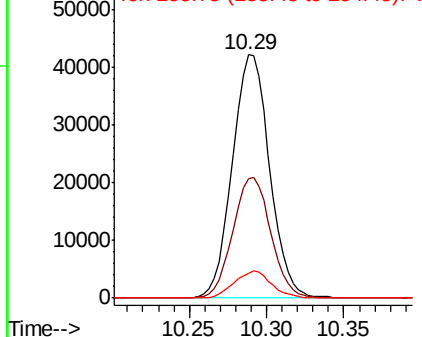


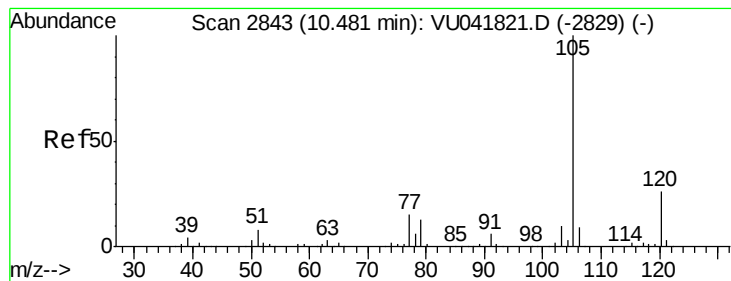
#59
 Bromoform
 Concen: 10.716 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Tgt Ion: 173 Resp: 70629
 Ion Ratio Lower Upper
 173 100
 175 50.3 39.4 59.0
 254 11.0 8.0 12.0



Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V





#60

Isopropylbenzene

Concen: 11.148 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD010315

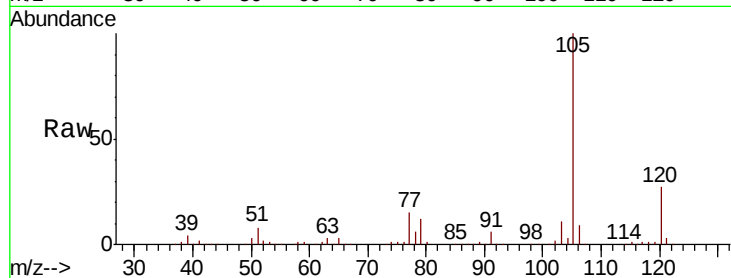
Tot Ion: 105 Resp: 555298

Ion Ratio Lower Upper

105 100

120 27.1 20.9 31.3

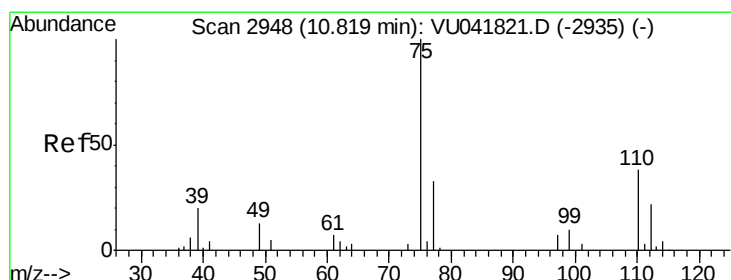
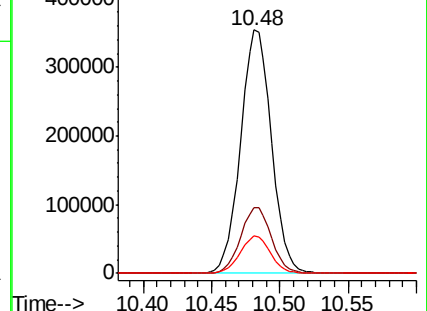
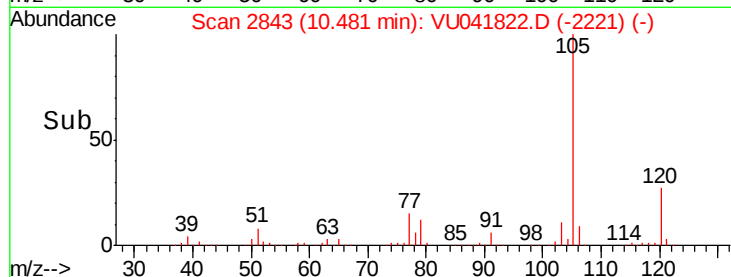
77 15.1 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 10.236 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU041822.D

Acq: 28 Dec 2020 11:25

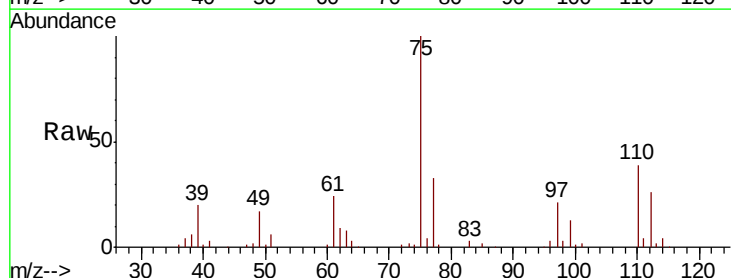
Tgt Ion: 75 Resp: 89492

Ion Ratio Lower Upper

75 100

110 39.3 31.5 47.3

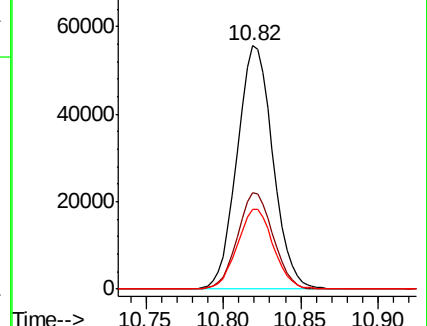
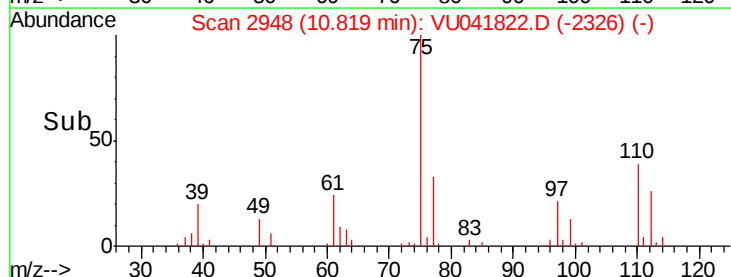
77 33.1 26.3 39.5

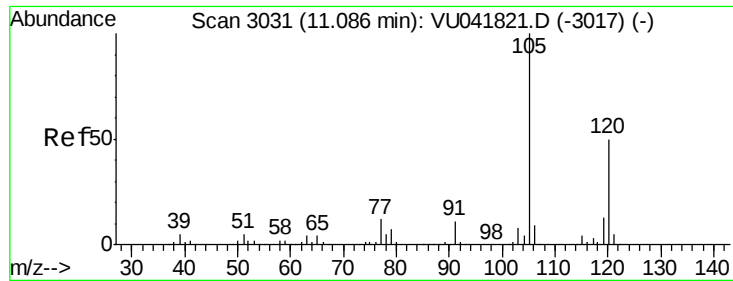


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

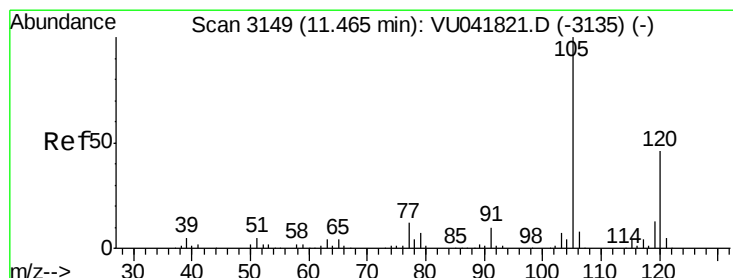
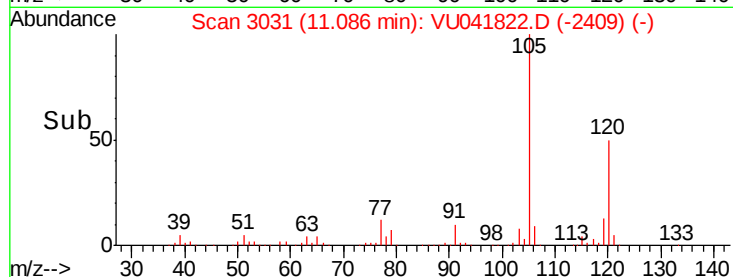
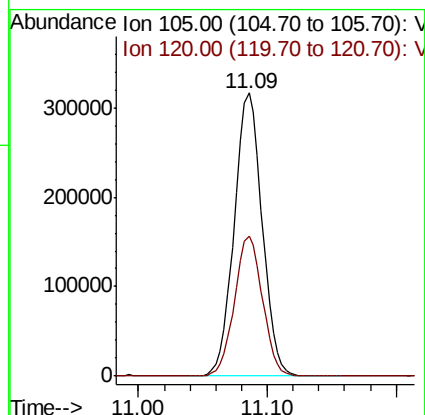
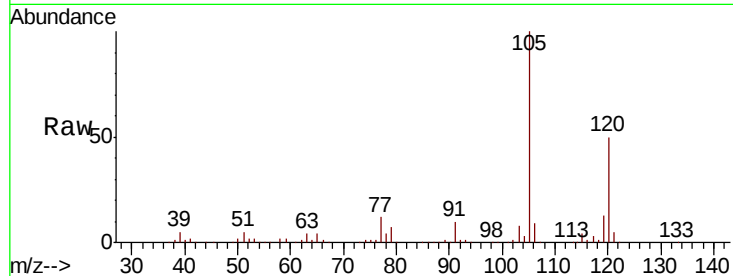




#62
 1,3,5-Trimethylbenzene
 Concen: 11.195 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

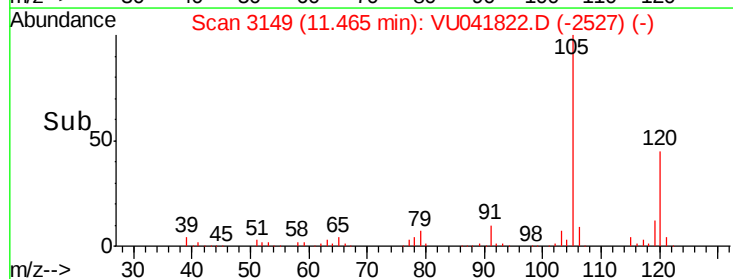
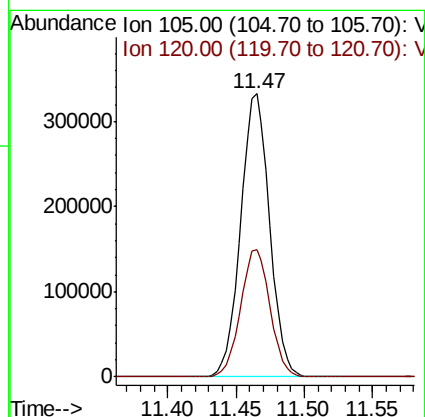
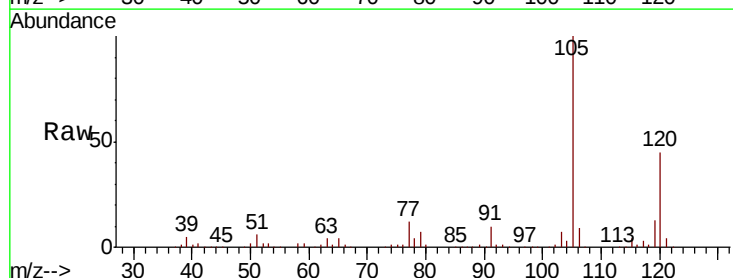
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

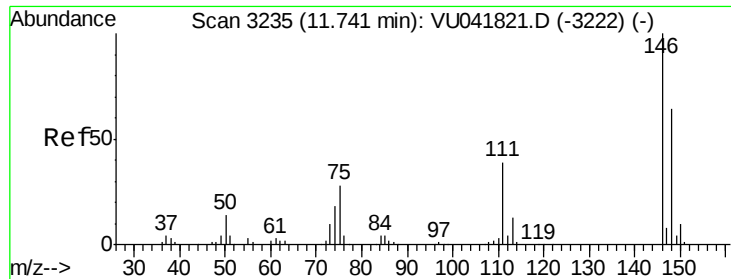
Tot Ion:105 Resp: 474855
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 11.363 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Tgt Ion:105 Resp: 488568
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.7 55.1

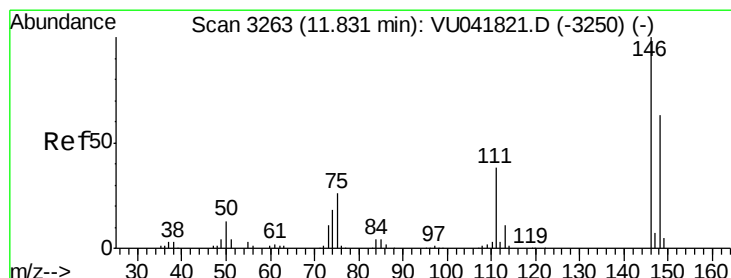
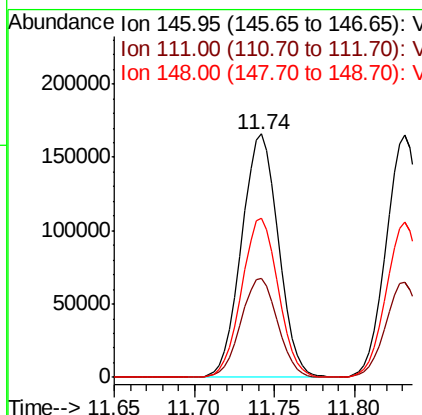
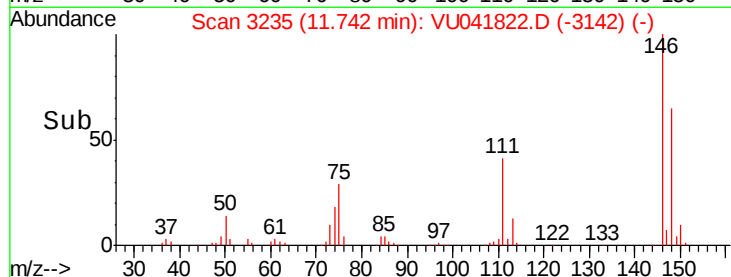
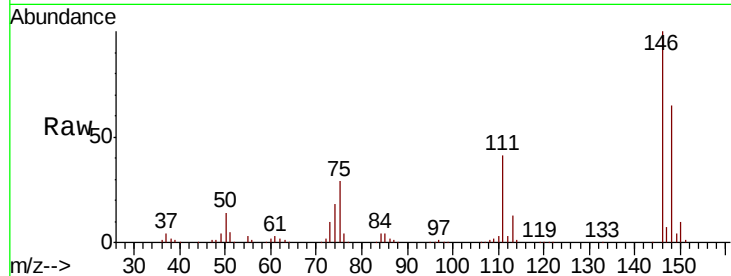




#64
 1,3-Dichlorobenzene
 Concen: 10.571 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

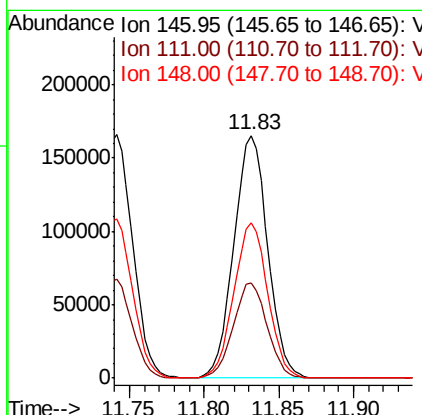
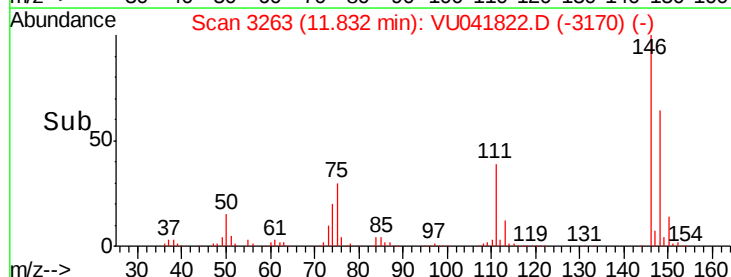
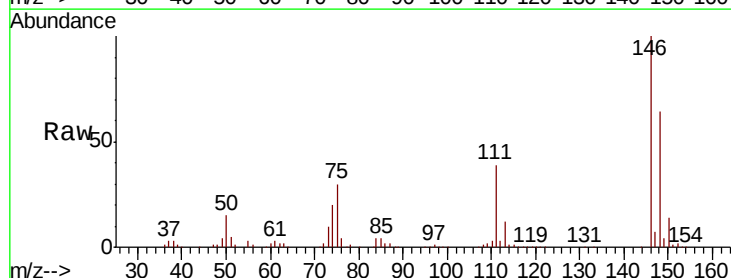
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

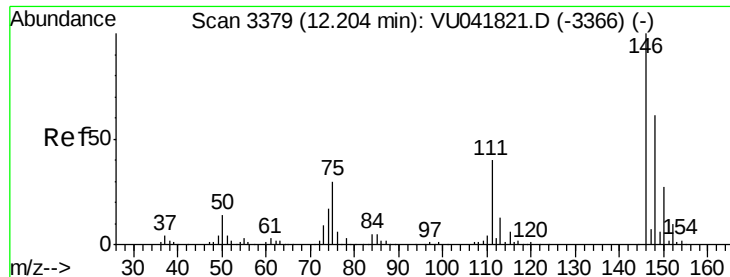
Tot Ion:146 Resp: 261082
 Ion Ratio Lower Upper
 146 100
 111 40.8 27.6 51.2
 148 65.3 44.9 83.3



#65
 1,4-Dichlorobenzene
 Concen: 10.410 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Tgt Ion:146 Resp: 260044
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.7 49.5
 148 64.0 43.9 81.5

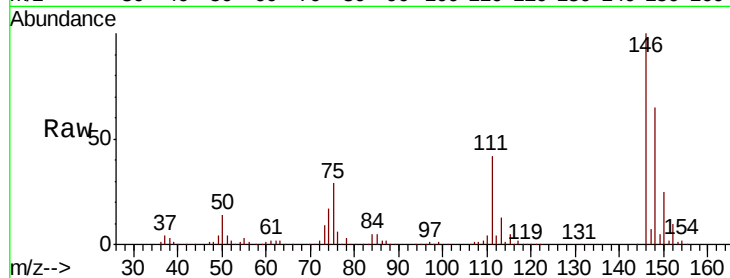




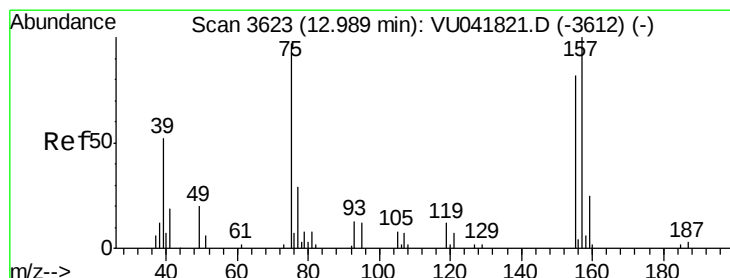
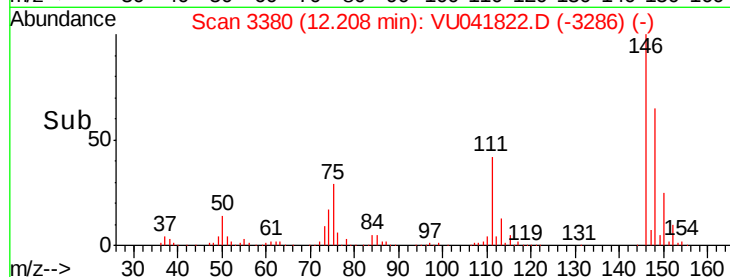
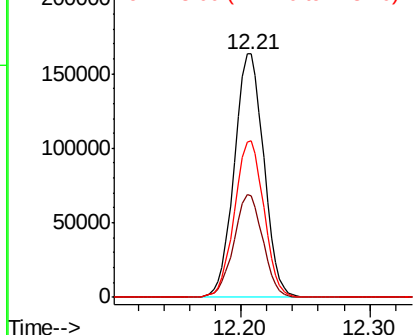
#67
 1,2-Dichlorobenzene
 Concen: 10.651 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

Tot Ion:146 Resp: 259178
 Ion Ratio Lower Upper
 146 100
 111 41.8 31.9 47.9
 148 64.5 48.8 73.2

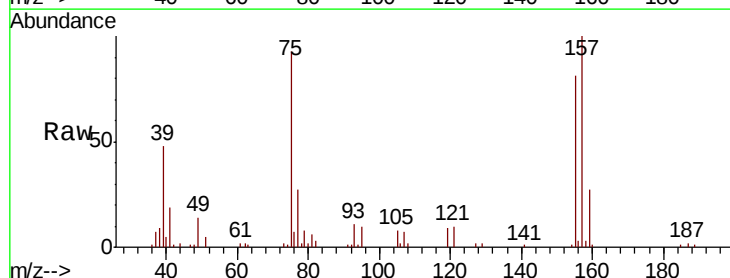


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

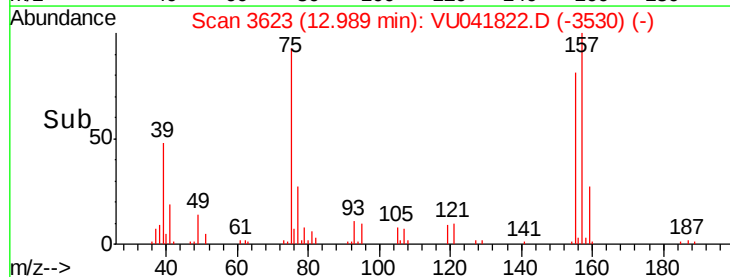
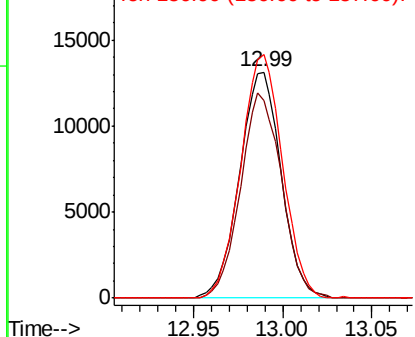


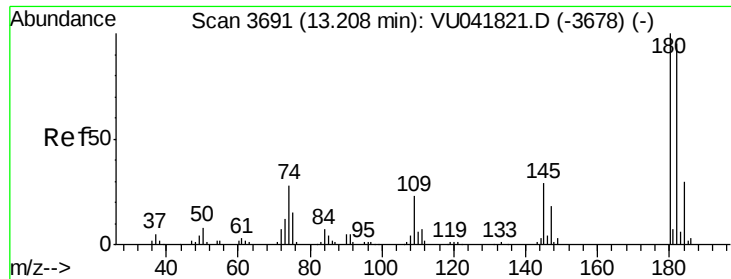
#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.242 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Tgt Ion: 75 Resp: 21322
 Ion Ratio Lower Upper
 75 100
 155 87.5 67.8 101.8
 157 107.7 82.4 123.6



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

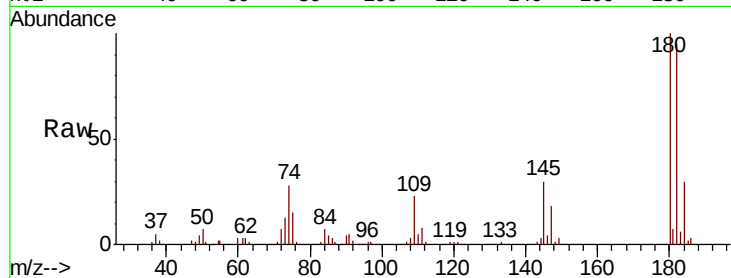




#69
 1,3,5-Trichlorobenzene
 Concen: 10.567 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010315

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
184	30.1	24.0	36.0
145	29.6	23.2	34.8



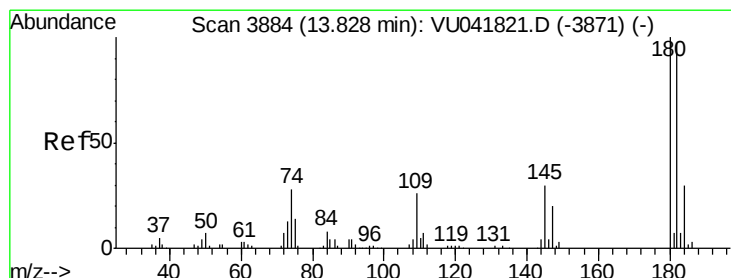
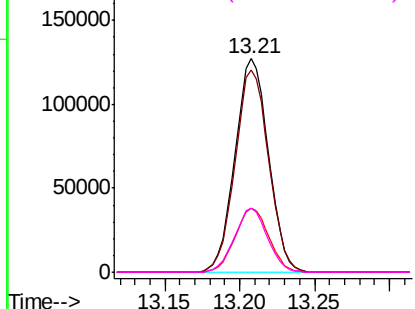
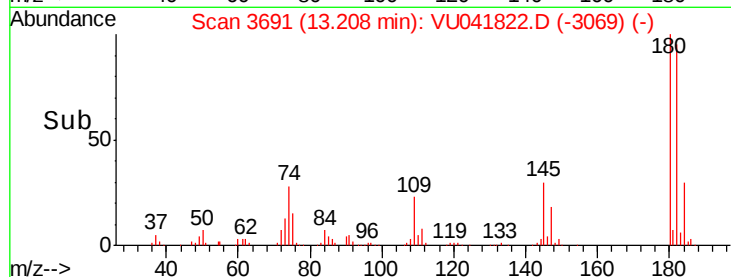
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

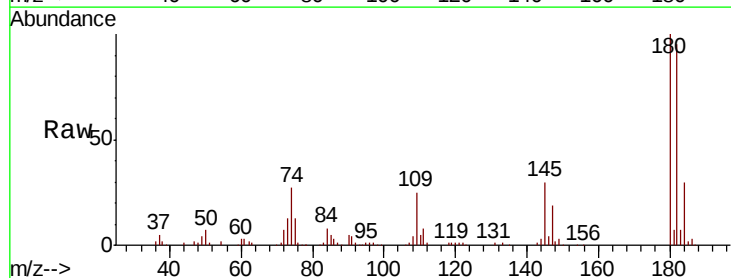
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 10.213 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041822.D
 Acq: 28 Dec 2020 11:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.5	114.7
145	30.3	24.1	36.1

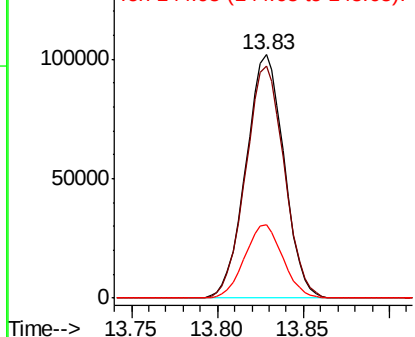
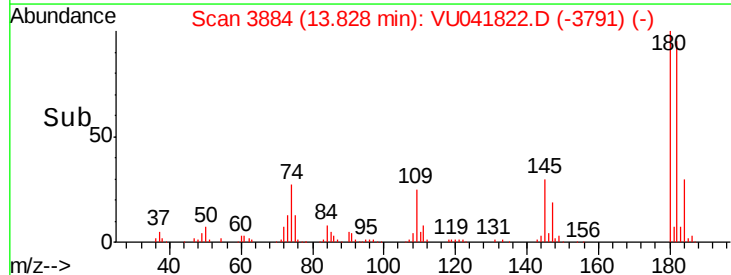


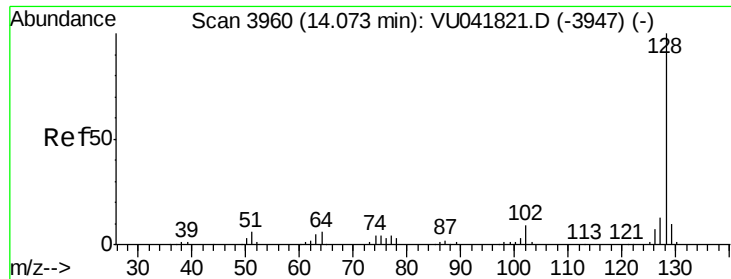
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

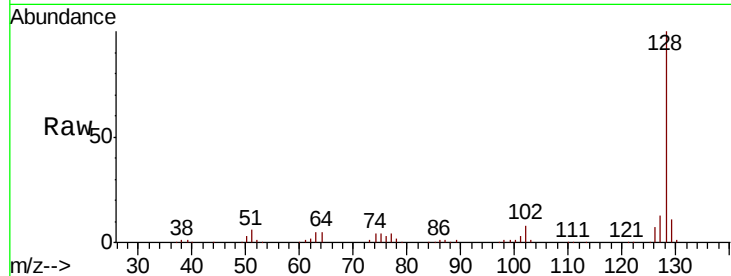




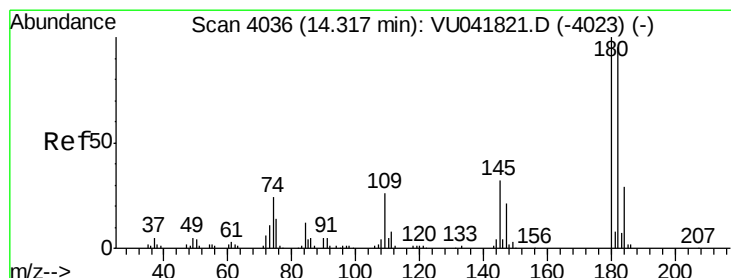
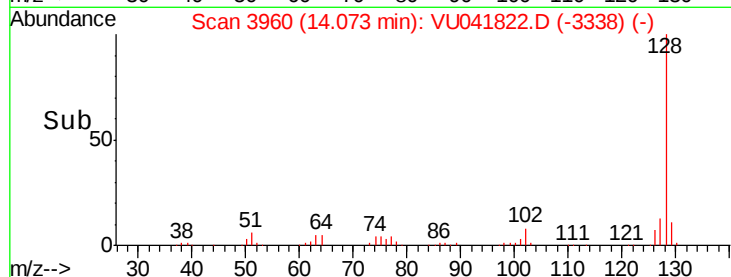
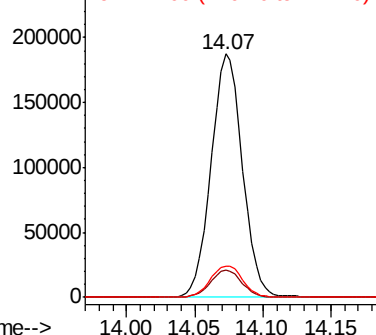
#71
Naphthalene
Concen: 11.725 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD010315

Tot Ion:128 Resp: 298773
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.3 10.6 15.8

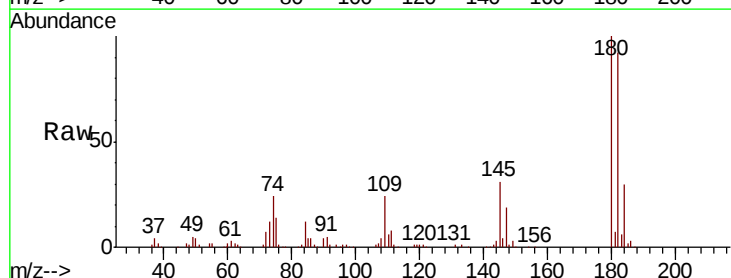


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 10.893 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU041822.D
Acq: 28 Dec 2020 11:25

Tgt Ion:180 Resp: 150738
Ion Ratio Lower Upper
180 100
182 95.6 75.8 113.8
145 31.5 25.0 37.4



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

