

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
 Data File : VU040998.D
 Acq On : 28 Oct 2020 17:21
 Operator : SY/MD
 Sample : VSTD00103
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001103

Quant Time: Oct 29 01:31:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 01:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	113009	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114126	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	52777	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	8069	1.07	ug/L	0.00
7) Chloroethane-d5	1.92	69	6902	1.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	3754	0.98	ug/L	0.00
20) 2-Butanone-d5	4.67	46	30973	10.80	ug/L	0.00
24) Chloroform-d	5.08	84	16842	1.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	10608	1.13	ug/L	0.00
32) Benzene-d6	5.74	84	28344	0.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	10204	1.04	ug/L	0.00
41) Toluene-d8	7.91	98	24530	0.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	4147	1.03	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	18488	8.87	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.76	84	9280	1.10	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	9951	1.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	9472	0.828 ug/L	96
3) Chloromethane	1.53	50	10752	0.948 ug/L	99
5) Vinyl chloride	1.61	62	10410	0.926 ug/L	97
6) Bromomethane	1.87	94	5314	0.887 ug/L	97
8) Chloroethane	1.94	64	6894	1.034 ug/L	87
9) Trichlorofluoromethane	2.15	101	14690	0.969 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	7847	0.849 ug/L	95
12) 1,1-Dichloroethene	2.59	96	7823	0.903 ug/L	89
13) Acetone	2.67	43	6339	2.982 ug/L #	1
14) Carbon disulfide	2.81	76	24838	0.834 ug/L	99
15) Methyl Acetate	2.97	43	5011	0.950 ug/L #	73
16) Methylene chloride	3.06	84	10201	0.941 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	18837	0.831 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	7844	0.870 ug/L	98
19) 1,1-Dichloroethane	3.89	63	16807	0.938 ug/L	97
21) 2-Butanone	4.75	43	31856	9.137 ug/L #	72
22) cis-1,2-Dichloroethene	4.69	96	8153	0.860 ug/L	97
23) Bromochloromethane	5.00	128	3963	0.885 ug/L	99
25) Chloroform	5.11	83	17090	0.950 ug/L	89
27) 1,2-Dichloroethane	5.81	62	12627	0.970 ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	14656	0.931 ug/L	99
30) Cyclohexane	5.41	56	11714	0.702 ug/L	98
31) Carbon tetrachloride	5.54	117	12443	0.928 ug/L	97
33) Benzene	5.79	78	31360	0.812 ug/L	100
34) Trichloroethene	6.56	95	8572	0.859 ug/L	95
35) Methylcyclohexane	6.77	83	11096	0.721 ug/L	97
37) 1,2-Dichloropropane	6.80	63	9508	0.877 ug/L #	95
38) Bromodichloromethane	7.11	83	11752	0.894 ug/L #	97
39) cis-1,3-Dichloropropene	7.62	75	11050	0.760 ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	63055	7.733 ug/L	98

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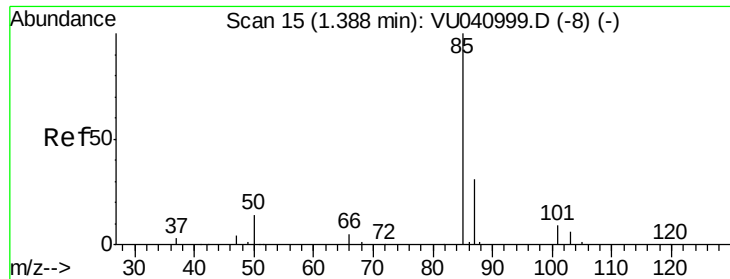
Instrument :
 MSVOA_U
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Quant Time: Oct 29 01:31:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	31275	0.800	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	10959	0.815	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	6791	0.921	ug/L	96
47) Tetrachloroethene	8.56	164	6206	0.856	ug/L	94
48) 2-Hexanone	8.69	43	49649	8.330	ug/L	95
49) Dibromochloromethane	8.82	129	7831	0.925	ug/L	100
50) 1,2-Dibromoethane	8.93	107	6159	0.867	ug/L	98
51) Chlorobenzene	9.45	112	21309	0.849	ug/L	94
52) Ethylbenzene	9.57	91	30545	0.717	ug/L	100
53) m,p-Xylene	9.69	106	10922	0.711	ug/L	99
54) o-Xylene	10.10	106	10492	0.710	ug/L	99
55) Styrene	10.11	104	17017	0.666	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	8667	0.893	ug/L	97
59) Bromoform	10.29	173	4177	0.983	ug/L #	93
60) Isopropylbenzene	10.48	105	27399	0.764	ug/L	97
61) 1,2,3-Trichloropropane	10.83	75	6674	0.984	ug/L	96
62) 1,3,5-Trimethylbenzene	11.09	105	20241	0.704	ug/L	98
63) 1,2,4-Trimethylbenzene	11.46	105	19635	0.672	ug/L	96
64) 1,3-Dichlorobenzene	11.74	146	14514	0.813	ug/L	95
65) 1,4-Dichlorobenzene	11.83	146	14708	0.798	ug/L	89
67) 1,2-Dichlorobenzene	12.21	146	14131	0.841	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.99	75	1457	0.912	ug/L	92
69) 1,3,5-Trichlorobenzene	13.21	180	9879	0.790	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	7545	0.747	ug/L	93
71) Naphthalene	14.08	128	11452	0.659	ug/L	96
72) 1,2,3-Trichlorobenzene	14.32	180	7234	0.794	ug/L	96

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

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```



#2

Dichlorodifluoromethane

Concen: 0.828 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

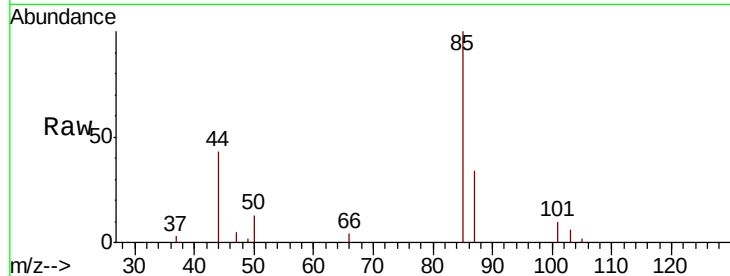
VSTD001103

Tot Ion: 85 Resp: 9472

Ion Ratio Lower Upper

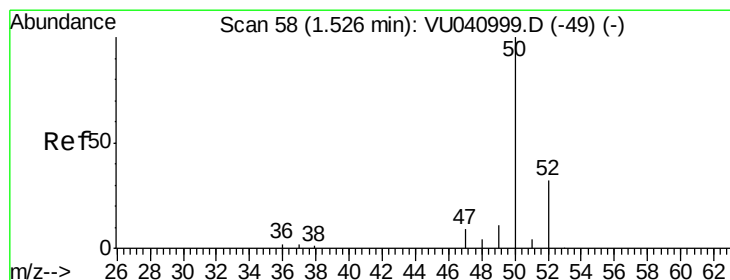
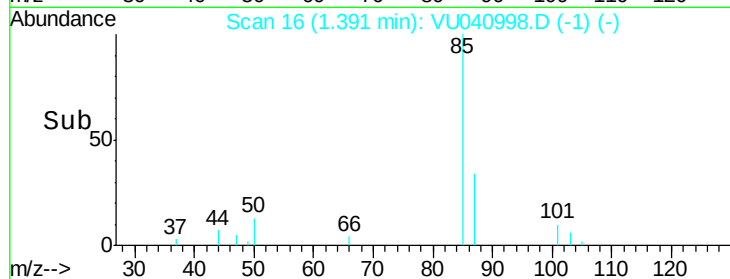
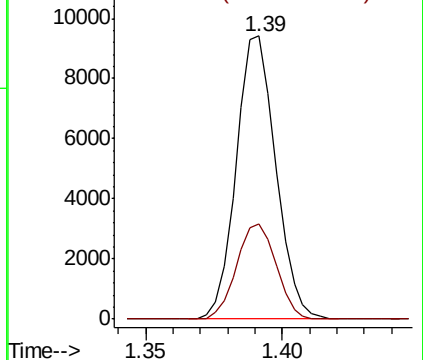
85 100

87 33.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.948 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040998.D

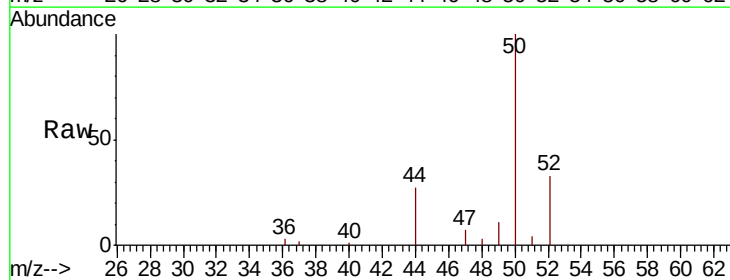
Acq: 28 Oct 2020 17:21

Tgt Ion: 50 Resp: 10752

Ion Ratio Lower Upper

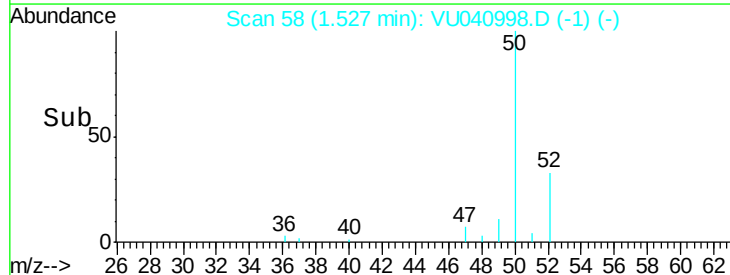
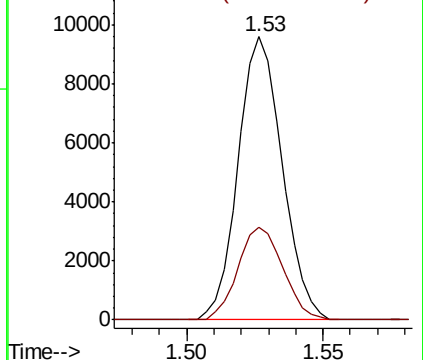
50 100

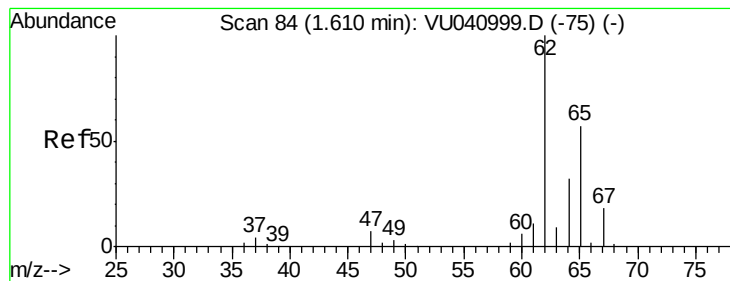
52 32.8 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.926 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleID :

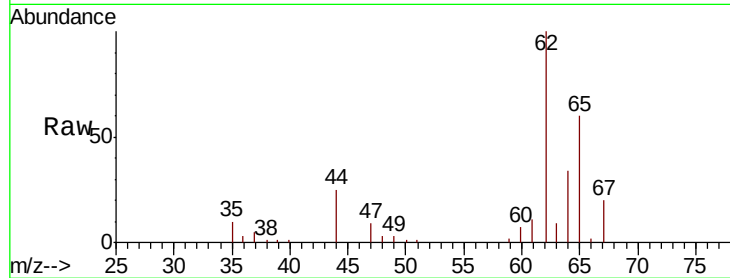
VSTD001103

Tot Ion: 62 Resp: 10410

Ion Ratio Lower Upper

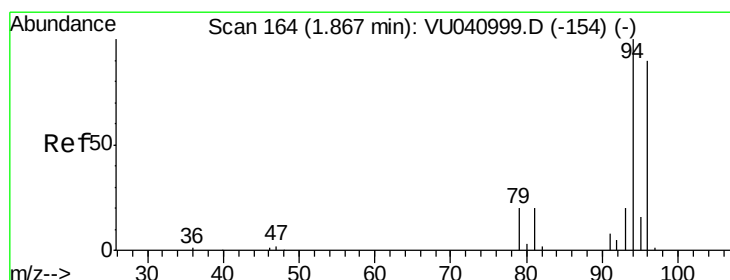
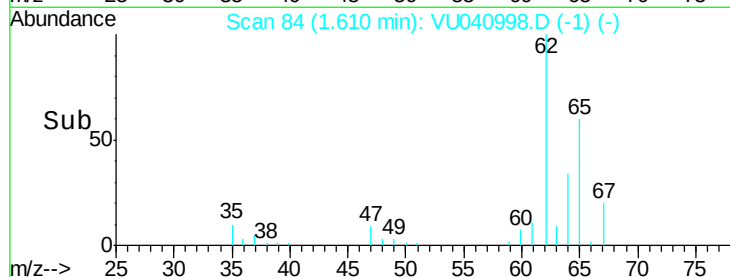
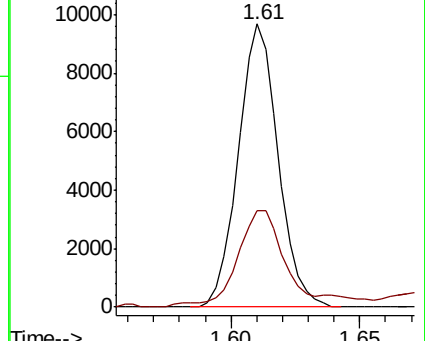
62 100

64 34.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU040999.D

Ion 64.10 (63.80 to 64.80): VU040998.D



#6

Bromomethane

Concen: 0.887 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040998.D

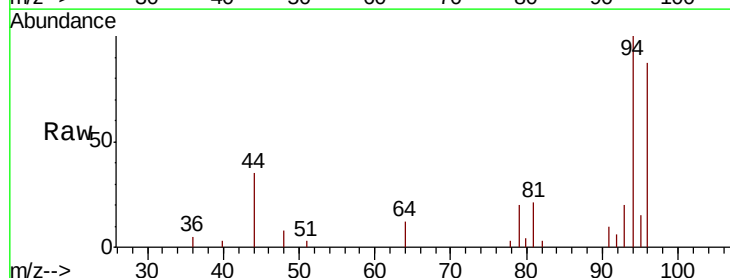
Acq: 28 Oct 2020 17:21

Tgt Ion: 94 Resp: 5314

Ion Ratio Lower Upper

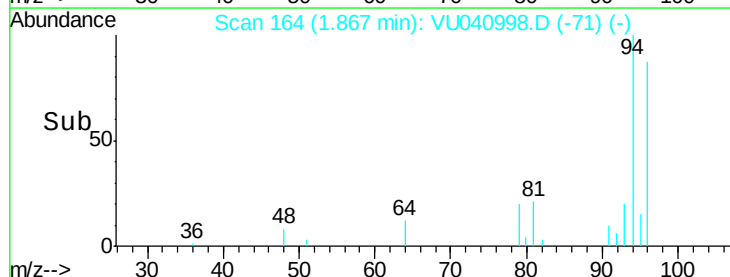
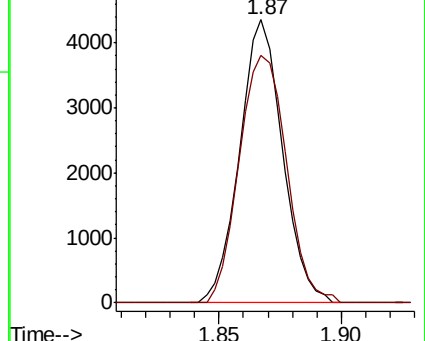
94 100

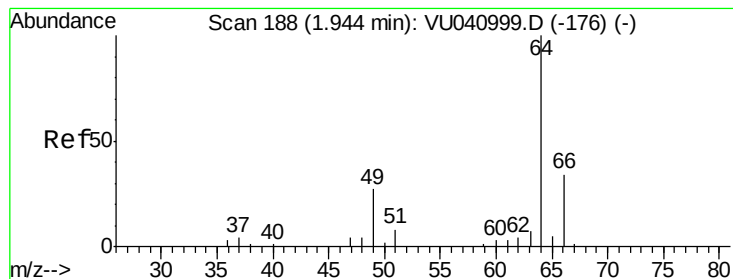
96 87.3 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU040999.D

Ion 96.00 (95.70 to 96.70): VU040998.D





#8

Chloroethane

Concen: 1.034 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

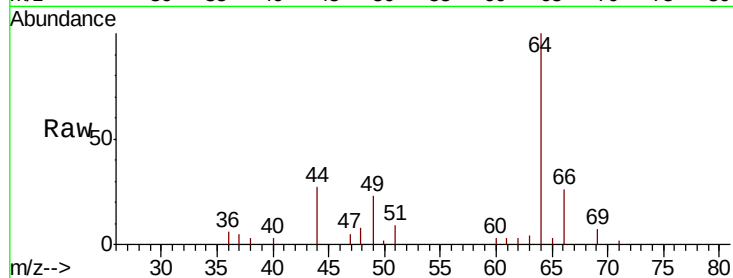
VSTD001103

Tot Ion: 64 Resp: 6894

Ion Ratio Lower Upper

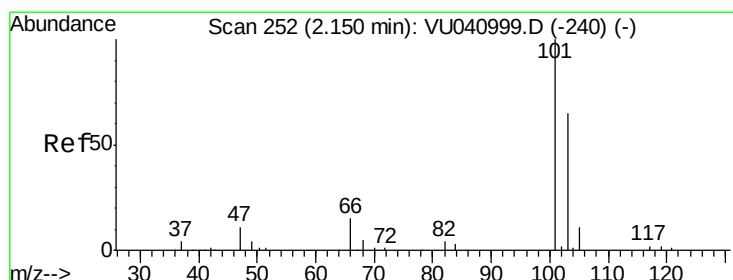
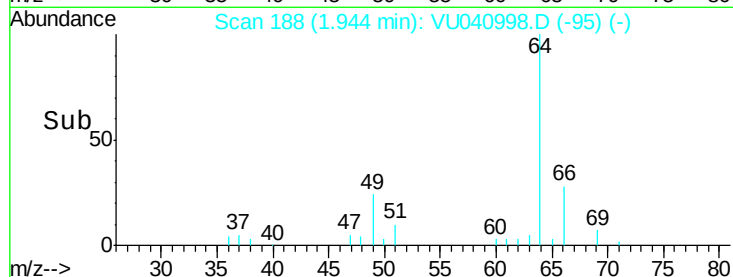
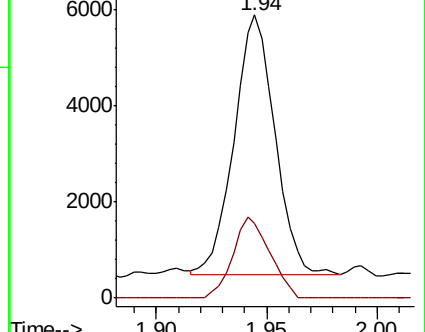
64 100

66 26.4 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VU040999.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040999.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 0.969 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040998.D

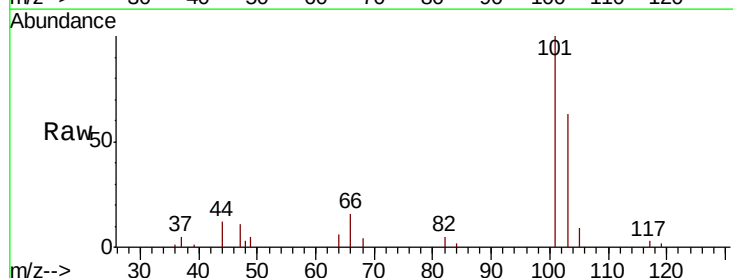
Acq: 28 Oct 2020 17:21

Tgt Ion: 101 Resp: 14690

Ion Ratio Lower Upper

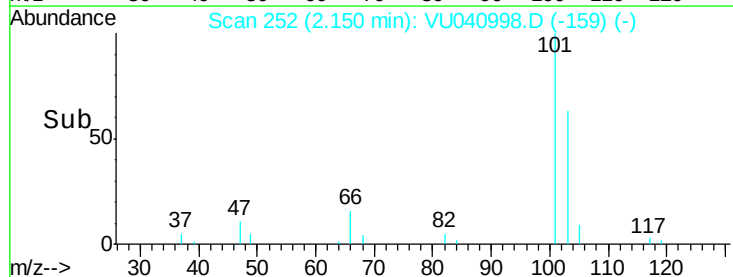
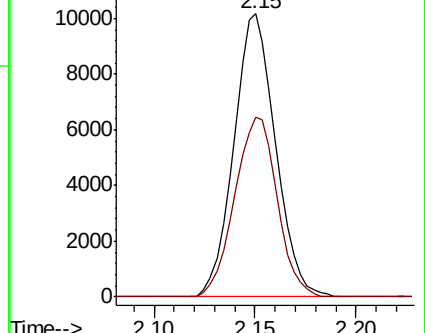
101 100

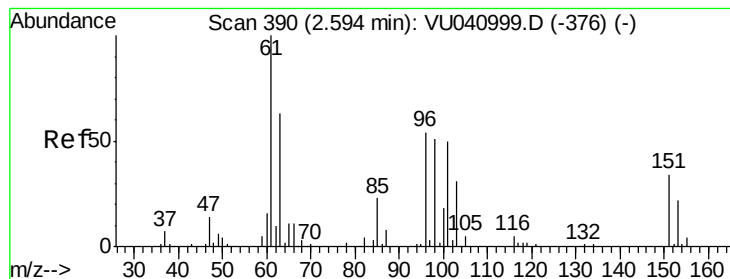
103 64.8 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU040999.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU040999.D (-240) (-)





#10

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

Concen: 0.849 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD001103

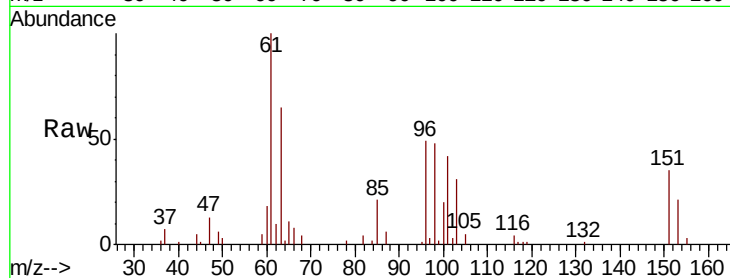
Tot Ion:101 Resp: 7847

Ion Ratio Lower Upper

101 100

85 51.2 38.1 57.1

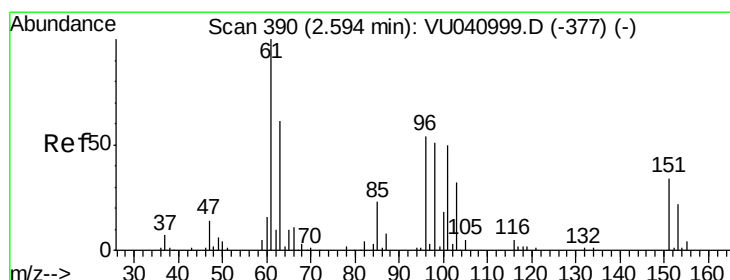
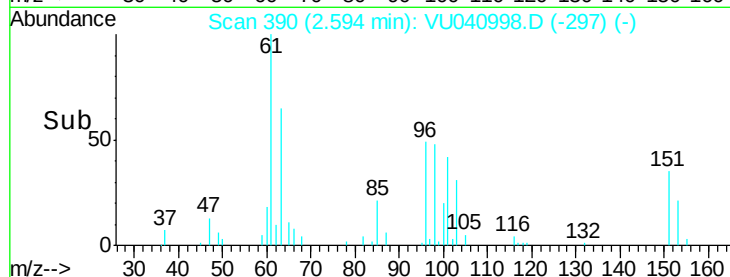
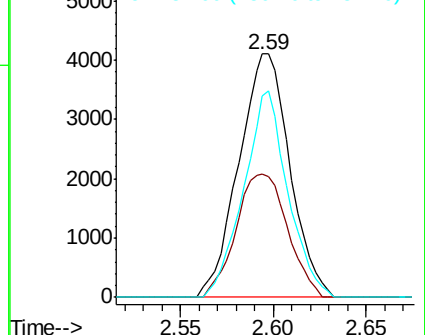
151 73.6 56.0 84.0



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: 0.903 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

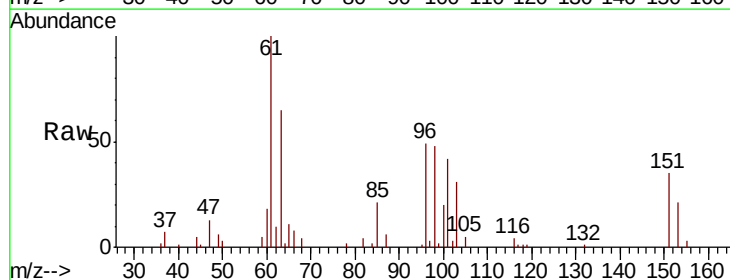
Tgt Ion: 96 Resp: 7823

Ion Ratio Lower Upper

96 100

61 202.4 130.2 241.8

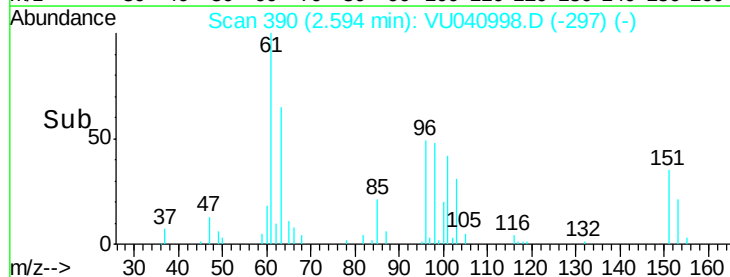
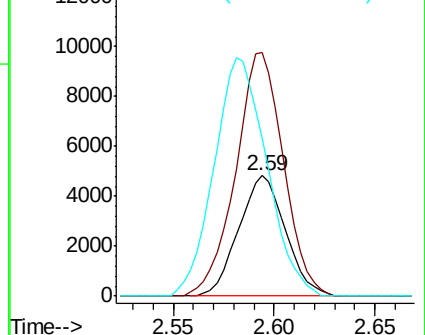
63 131.2 83.7 155.5

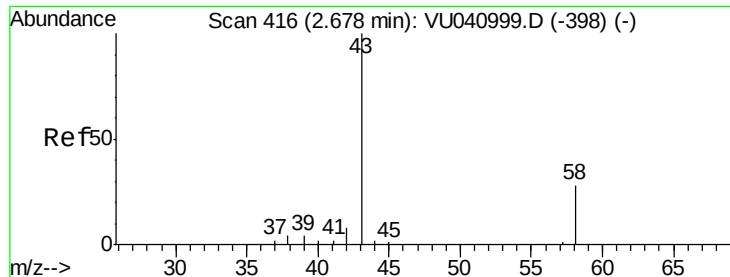


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.982 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

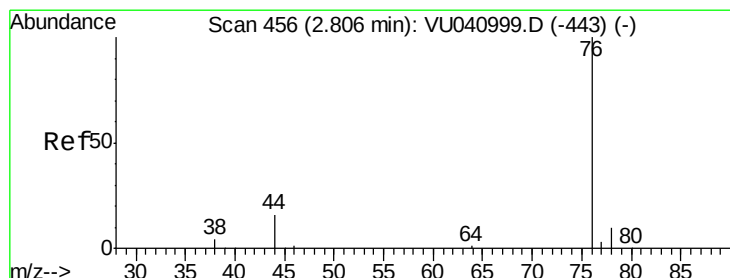
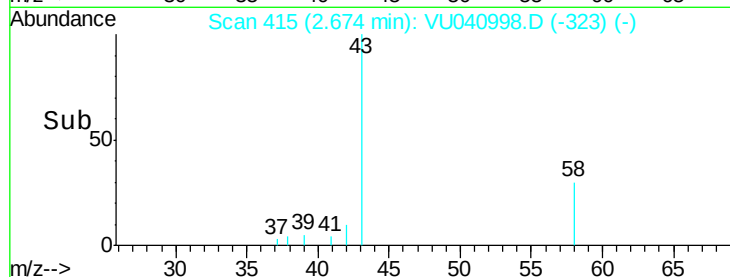
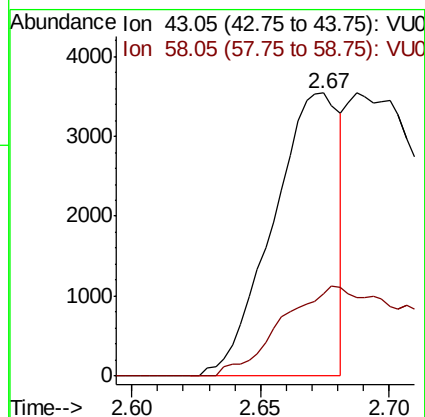
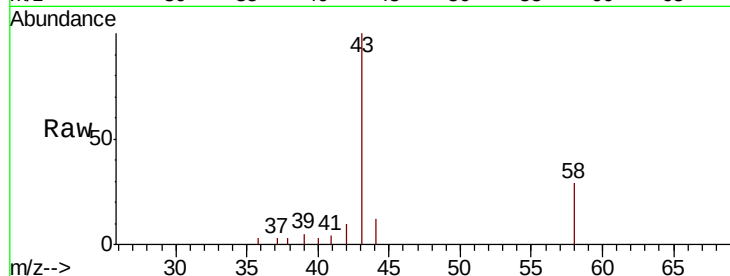
VSTD001103

Tot Ion: 43 Resp: 6339

Ion Ratio Lower Upper

43 100

58 66.9 0.0 30.8#



#14

Carbon disulfide

Concen: 0.834 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040998.D

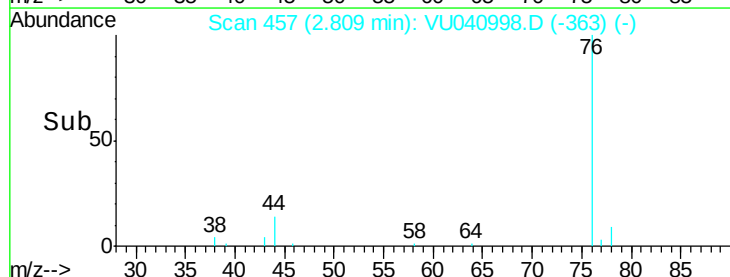
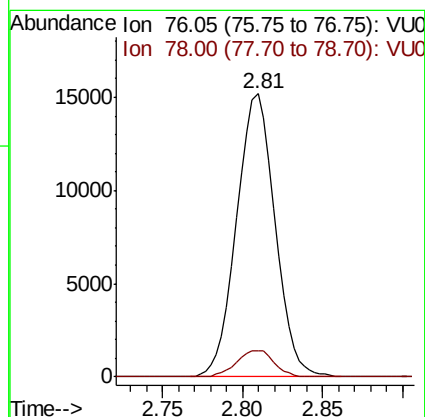
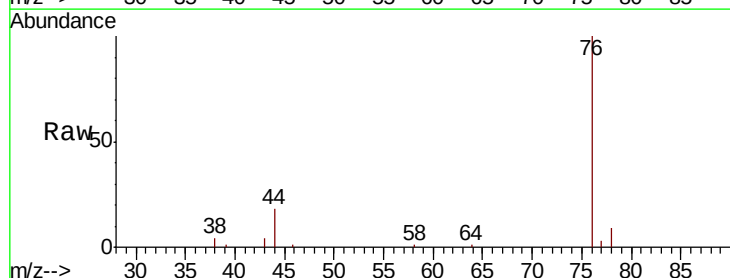
Acq: 28 Oct 2020 17:21

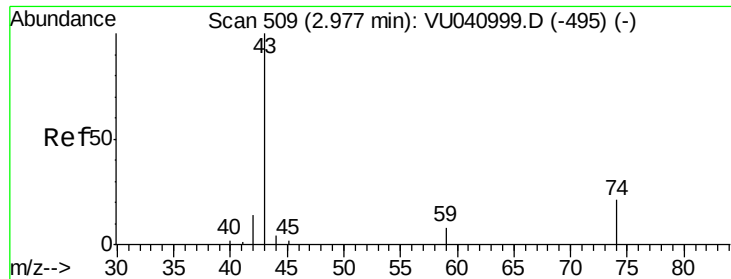
Tgt Ion: 76 Resp: 24838

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5

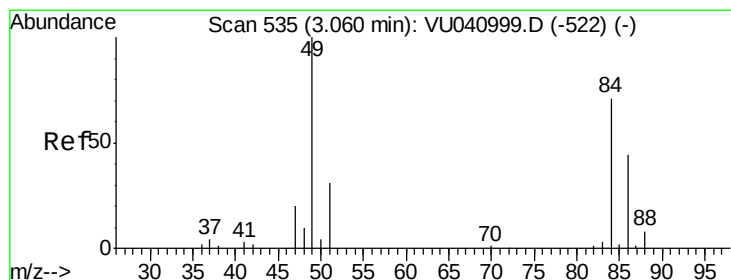
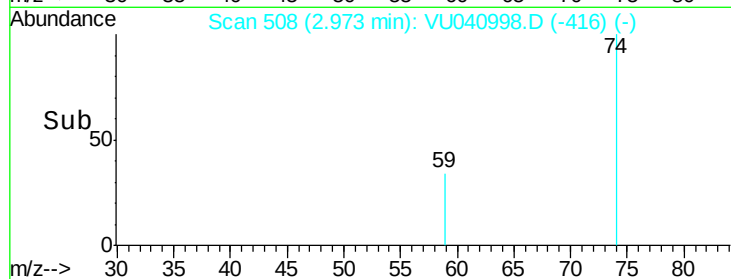
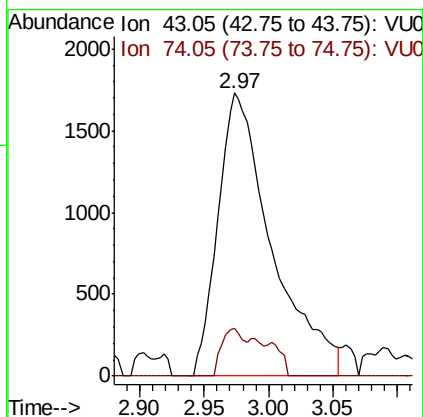
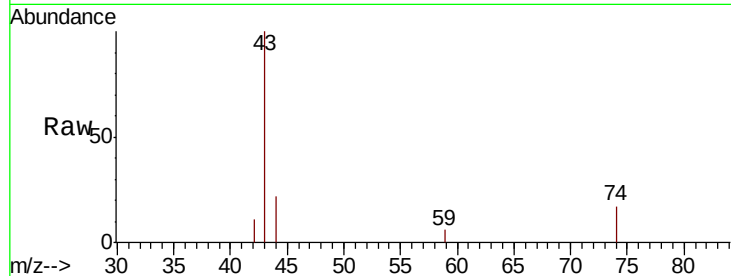




#15
Methyl Acetate
Concen: 0.950 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

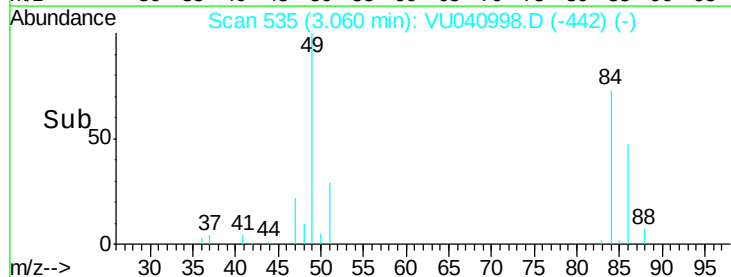
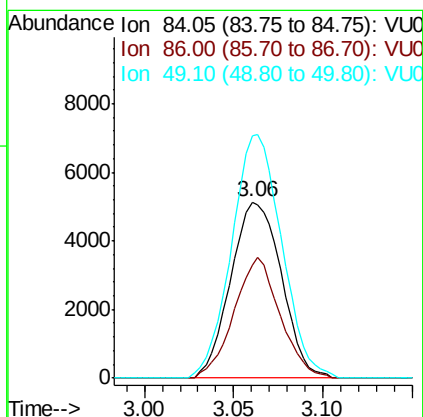
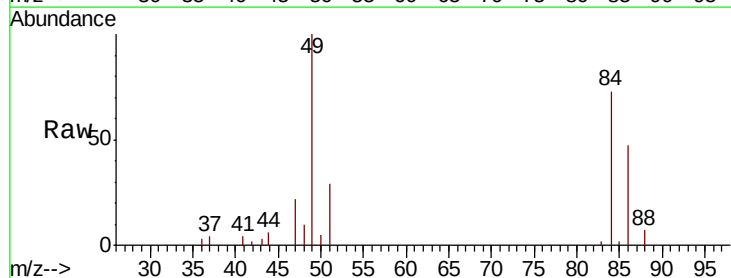
Instrument :
MSVOA_U
ClientSampleId :
VSTD001103

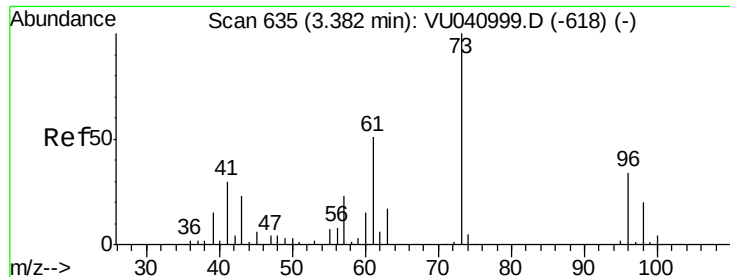
Tot Ion: 43 Resp: 5011
Ion Ratio Lower Upper
43 100
74 7.1 15.6 23.4#



#16
Methylene chloride
Concen: 0.941 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

Tgt Ion: 84 Resp: 10201
Ion Ratio Lower Upper
84 100
86 64.5 44.2 82.0
49 137.7 99.3 184.3

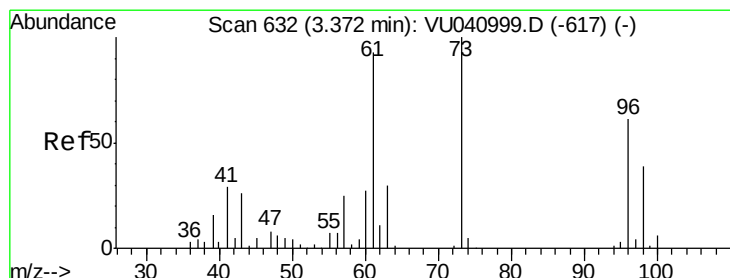
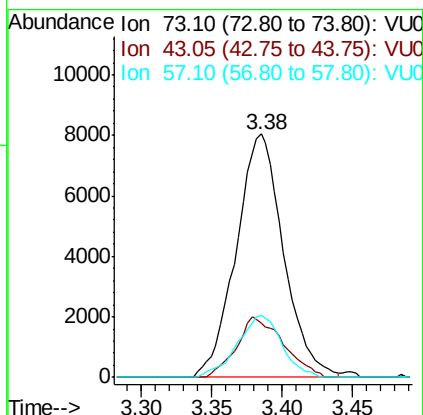
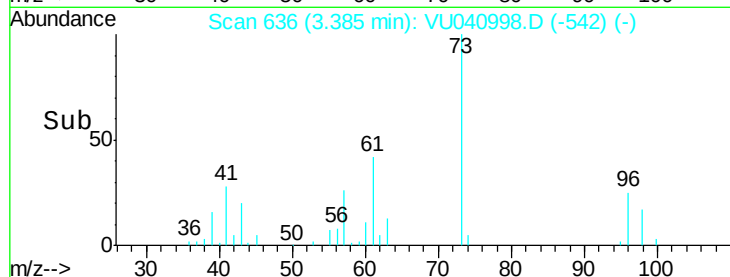
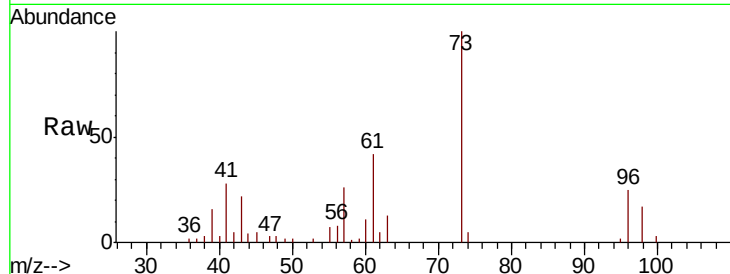




#17
Methyl tert-butyl Ether
Concen: 0.831 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

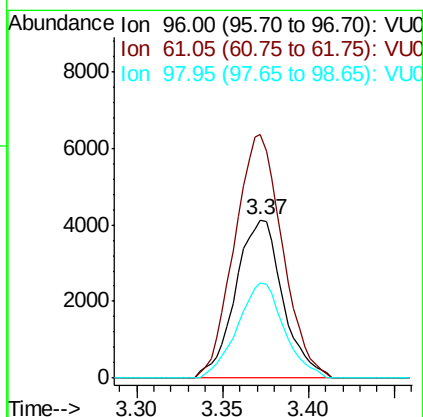
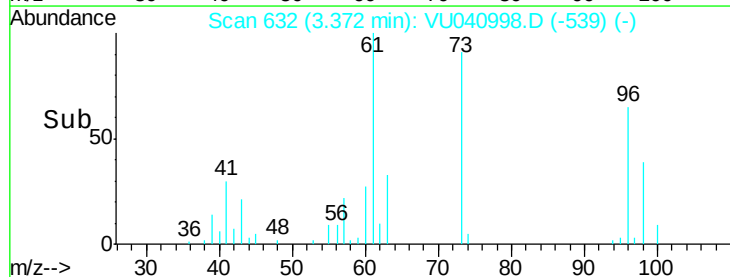
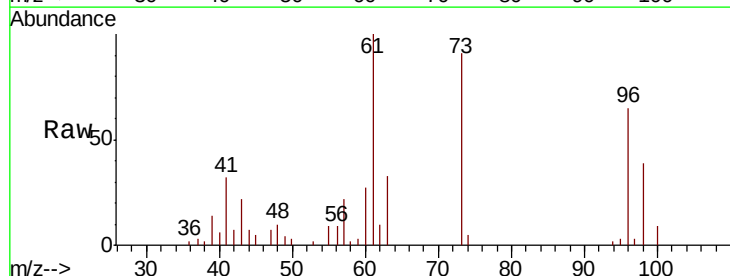
Instrument :
MSVOA_U
ClientSampleId :
VSTD001103

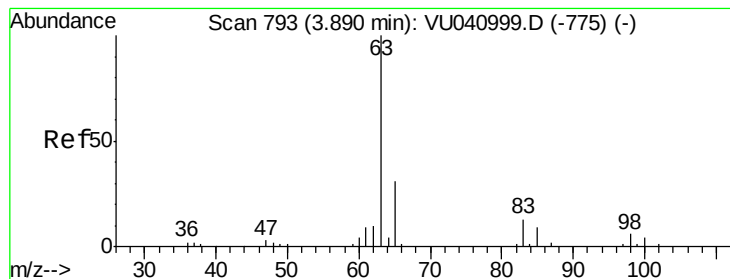
Tot Ion:	73	Resp:	18837
Ion	Ratio	Lower	Upper
73	100		
43	24.6	19.5	29.3
57	24.0	18.9	28.3



#18
trans-1,2-Dichloroethene
Concen: 0.870 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

Tgt Ion:	96	Resp:	7844
Ion	Ratio	Lower	Upper
96	100		
61	154.0	107.2	199.0
98	60.0	44.6	82.8





#19

1,1-Dichloroethane

Concen: 0.938 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD001103

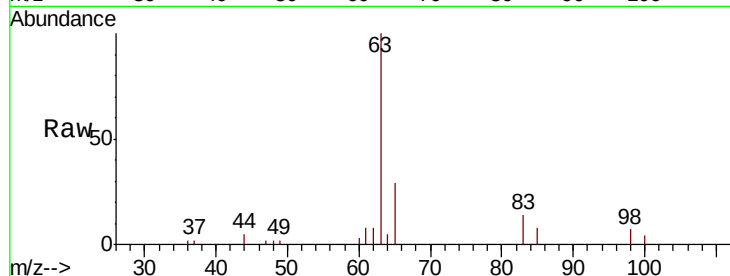
Tot Ion: 63 Resp: 16807

Ion Ratio Lower Upper

63 100

65 29.0 21.8 40.4

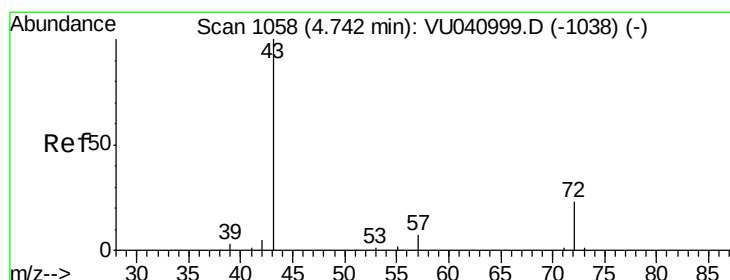
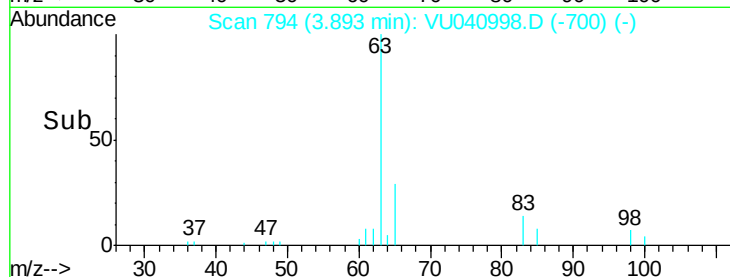
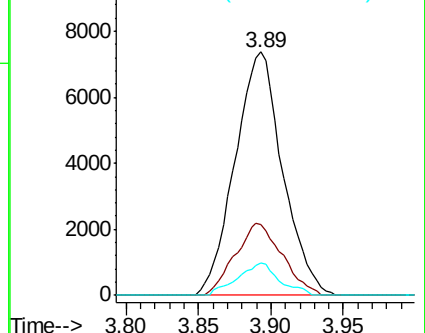
83 13.5 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU040998.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU040998.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU040998.D (-775) (-)



#21

2-Butanone

Concen: 9.137 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VU040998.D

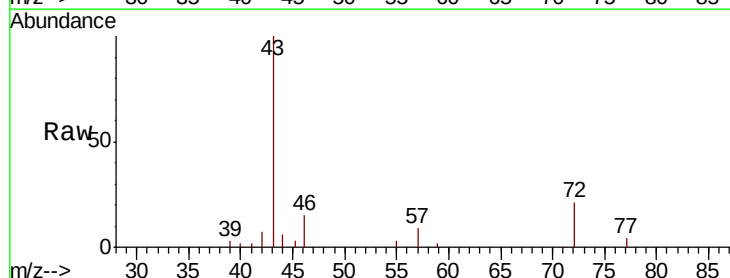
Acq: 28 Oct 2020 17:21

Tgt Ion: 43 Resp: 31856

Ion Ratio Lower Upper

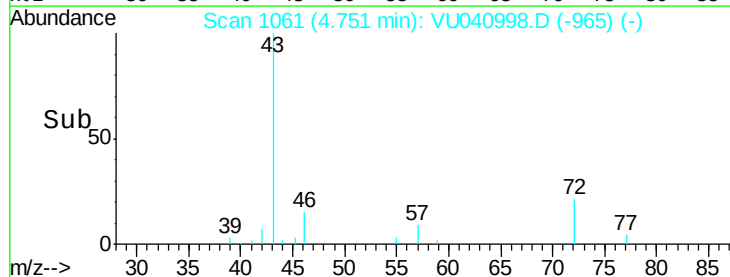
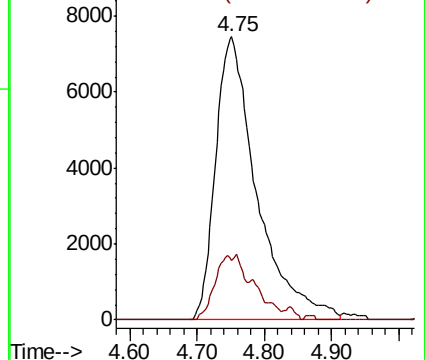
43 100

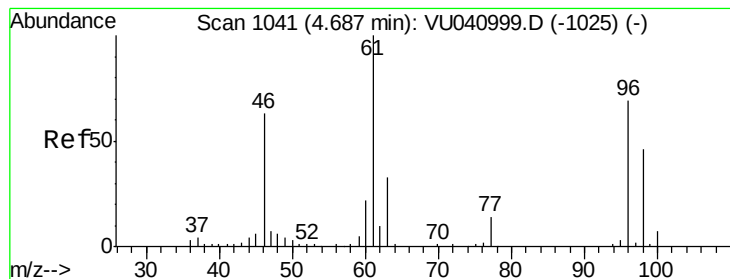
72 9.5 11.6 34.7#



Abundance Ion 43.05 (42.75 to 43.75): VU040998.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VU040998.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.860 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD001103

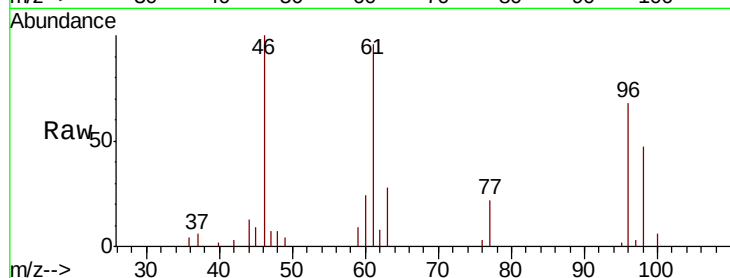
Tot Ion: 96 Resp: 8153

Ion Ratio Lower Upper

96 100

61 141.5 101.7 188.9

98 69.8 46.4 86.2

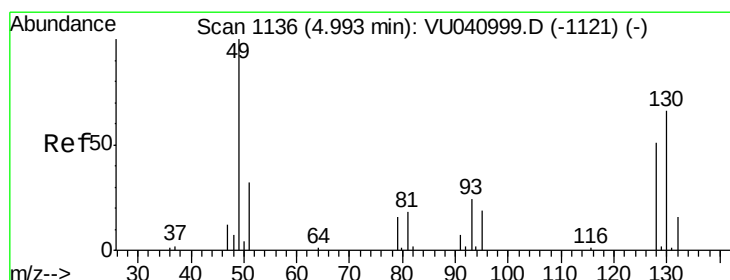
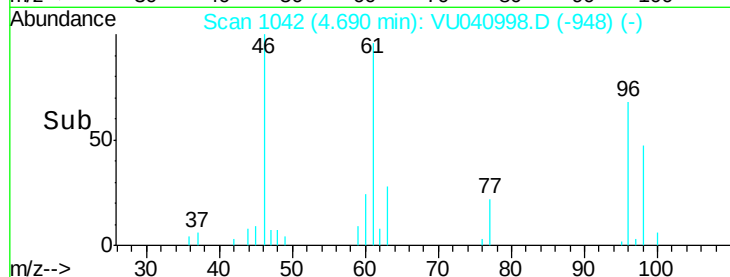
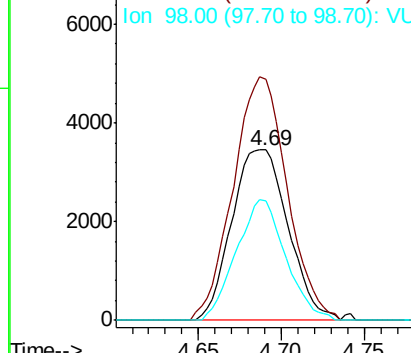


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 0.885 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Tgt Ion: 128 Resp: 3963

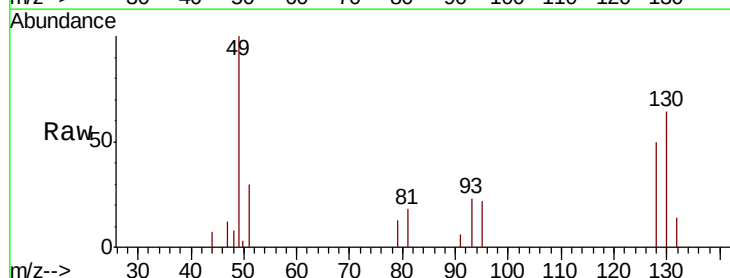
Ion Ratio Lower Upper

128 100

49 199.3 137.5 255.4

130 128.5 90.2 167.4

51 60.5 49.8 74.6



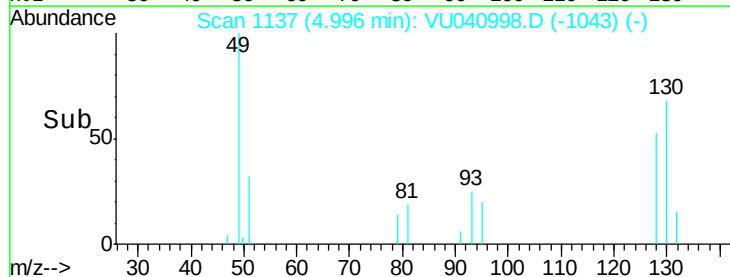
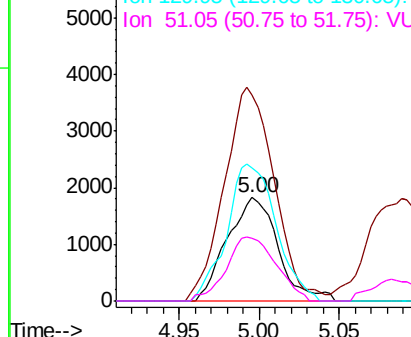
Abundance

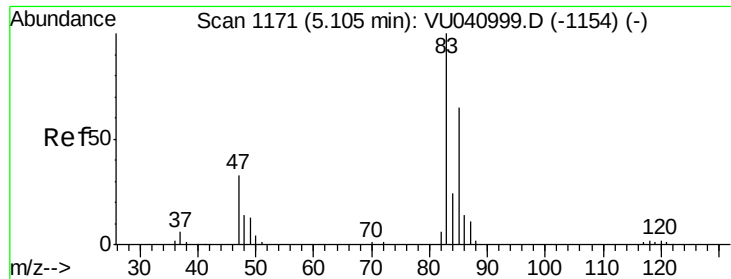
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

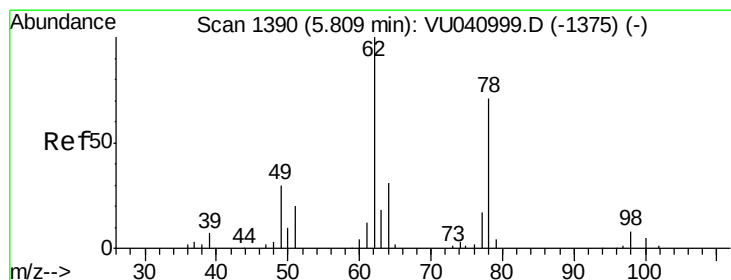
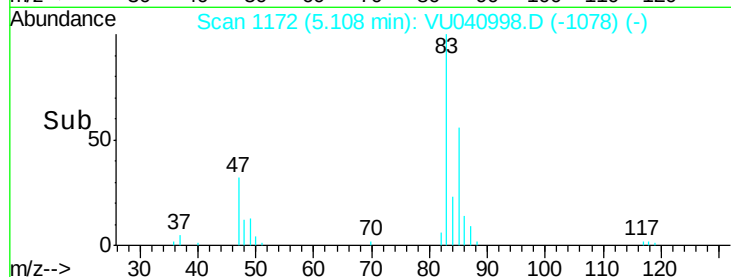
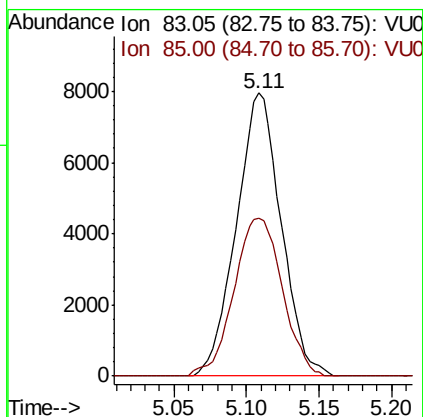
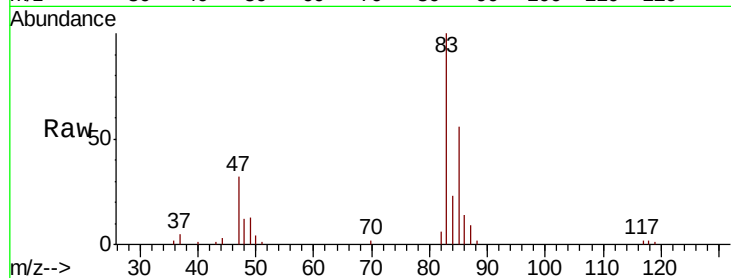




#25
Chloroform
Concen: 0.950 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

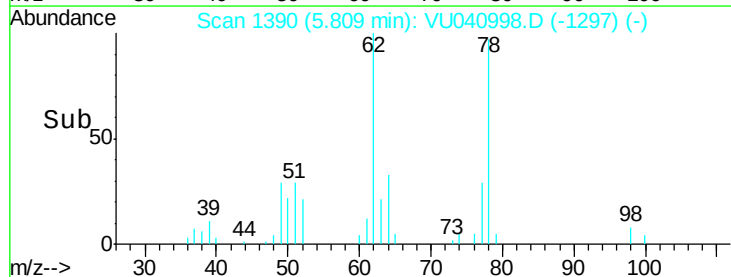
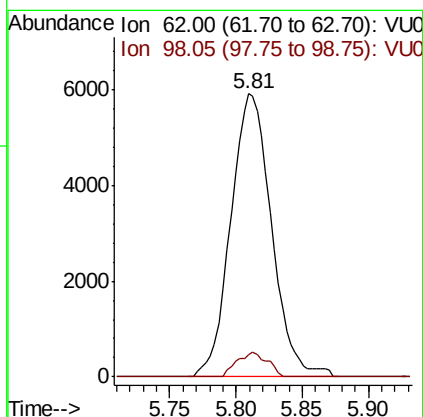
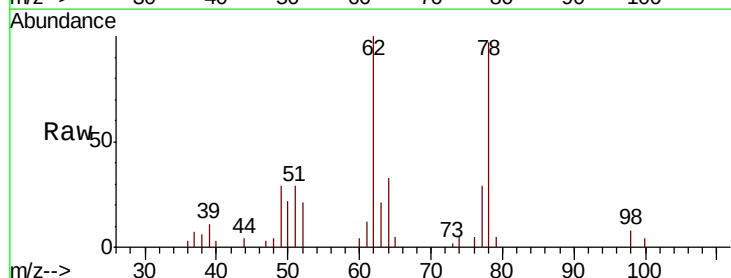
Instrument :
MSVOA_U
ClientSampleId :
VSTD001103

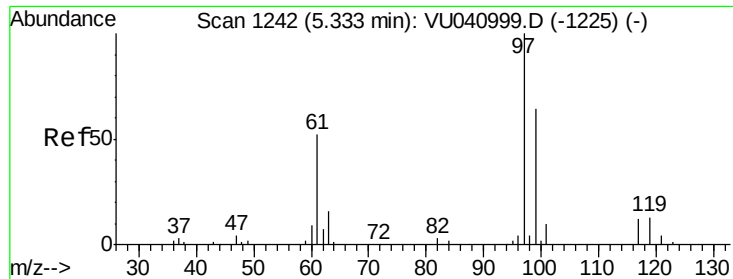
Tot Ion: 83 Resp: 17090
Ion Ratio Lower Upper
83 100
85 56.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.970 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

Tgt Ion: 62 Resp: 12627
Ion Ratio Lower Upper
62 100
98 7.9 6.1 9.1

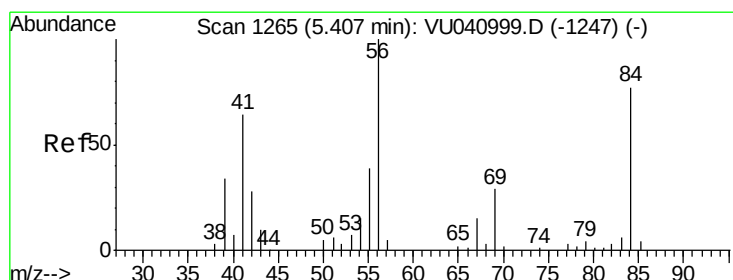
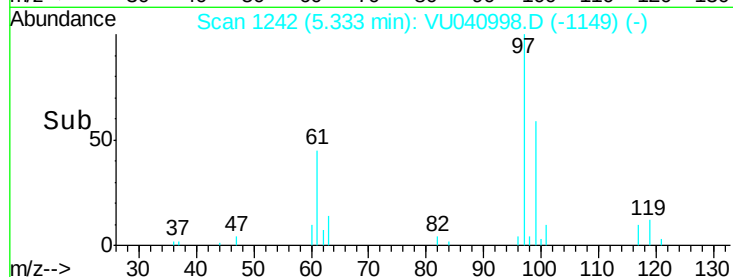
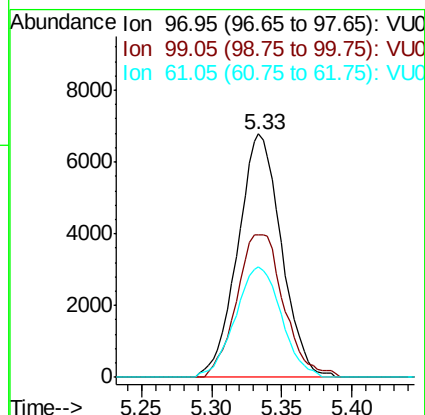
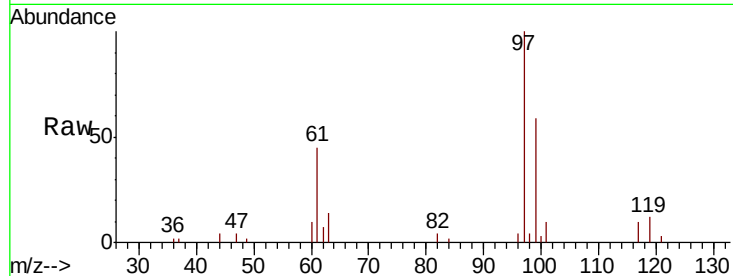




#29
1,1,1-Trichloroethane
Concen: 0.931 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

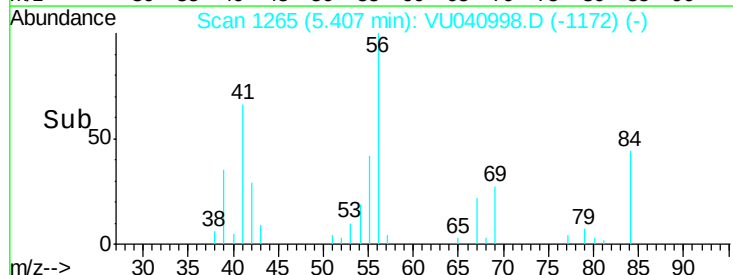
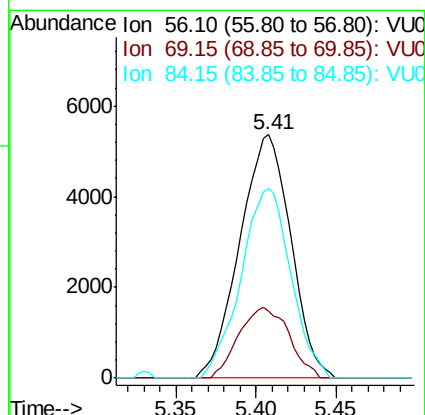
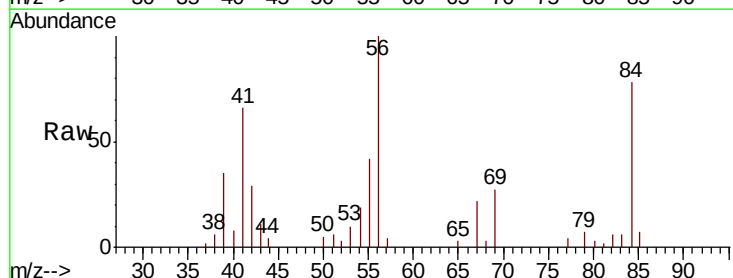
Instrument :
MSVOA_U
ClientSampleId :
VSTD001103

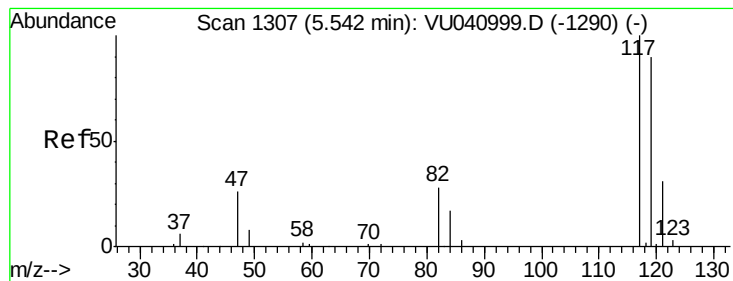
Tot Ion: 97 Resp: 14656
Ion Ratio Lower Upper
97 100
99 63.3 50.2 75.2
61 48.1 39.6 59.4



#30
Cyclohexane
Concen: 0.702 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

Tgt Ion: 56 Resp: 11714
Ion Ratio Lower Upper
56 100
69 28.5 23.2 34.8
84 76.1 62.9 94.3





#31

Carbon tetrachloride

Concen: 0.928 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

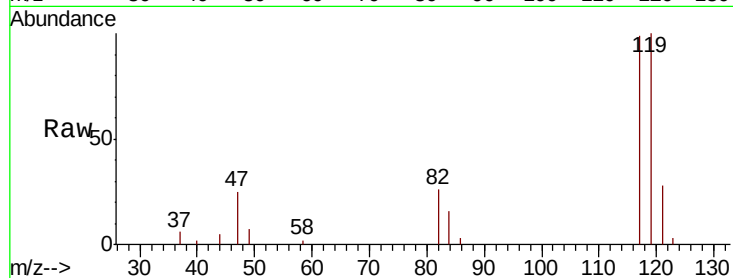
VSTD001103

Tot Ion:117 Resp: 12443

Ion Ratio Lower Upper

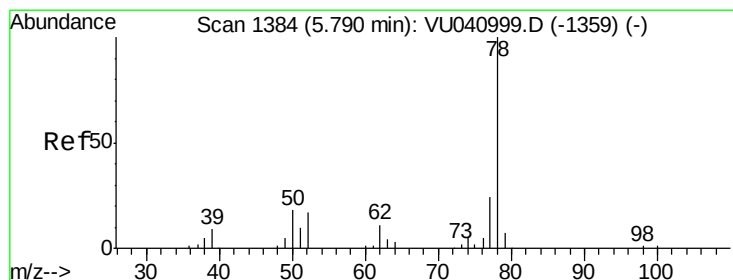
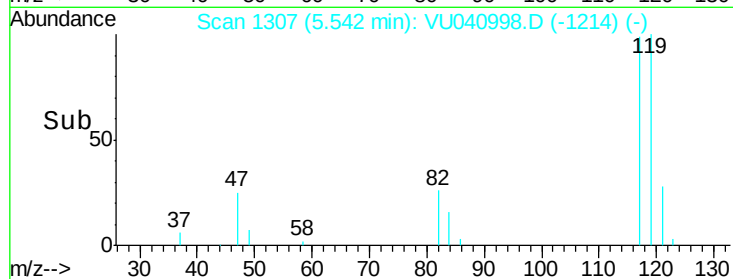
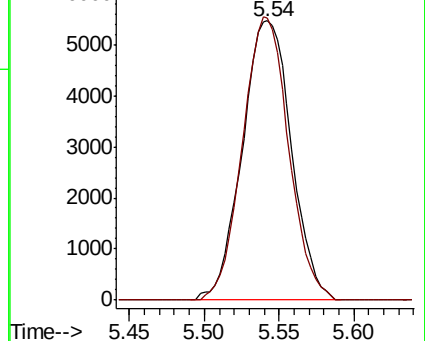
117 100

119 95.5 74.4 111.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.812 ug/L

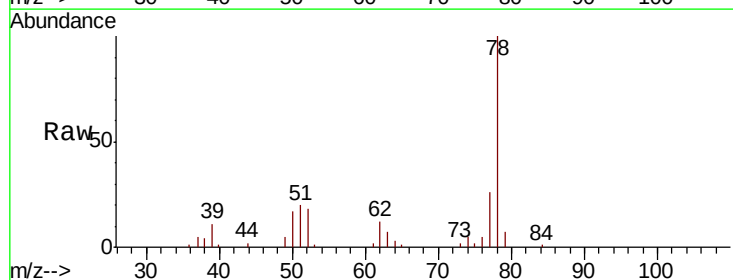
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

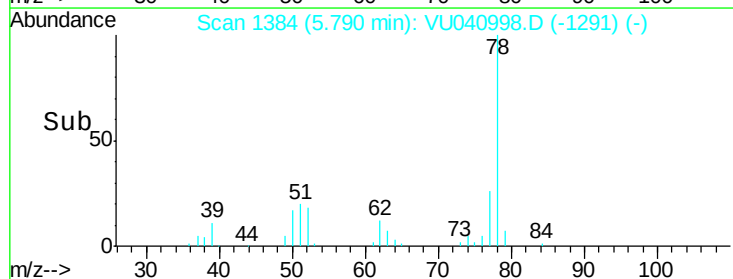
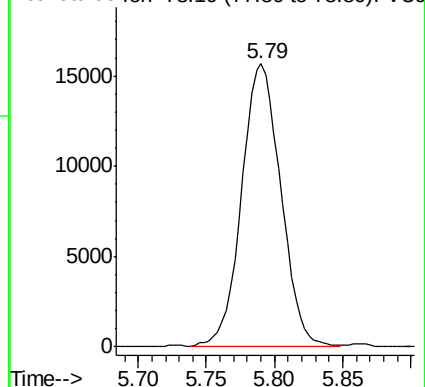
Lab File: VU040998.D

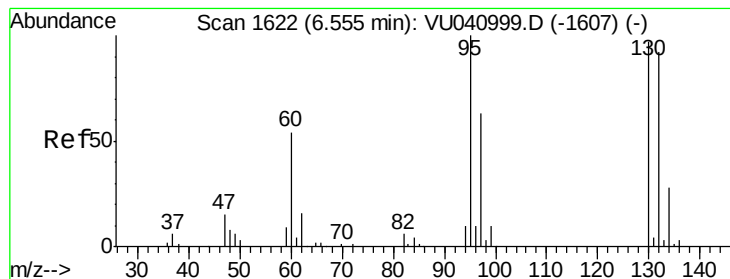
Acq: 28 Oct 2020 17:21

Tgt Ion: 78 Resp: 31360



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.859 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD001103

Tot Ion: 95 Resp: 8572

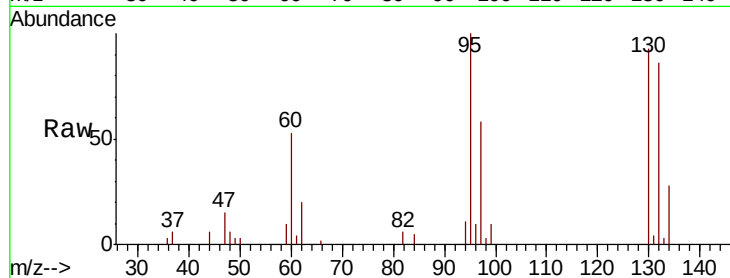
Ion Ratio Lower Upper

95 100

97 58.0 43.8 81.4

132 85.8 64.5 119.7

130 93.3 67.6 125.6

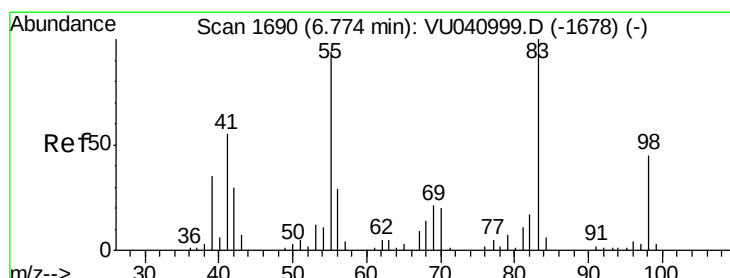
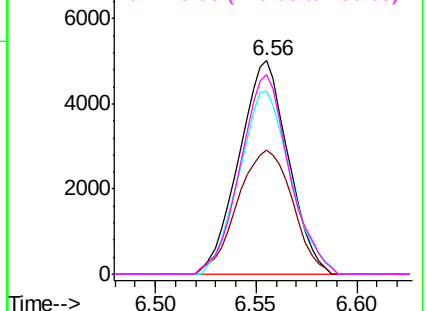
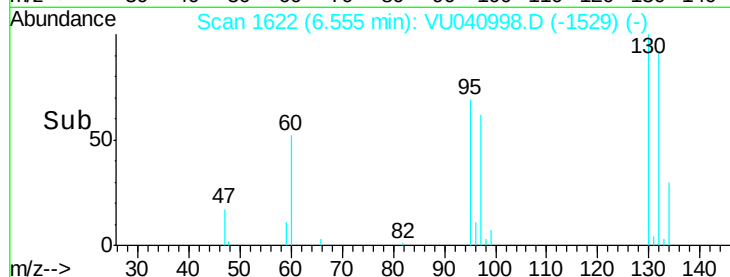


Abundance Ion 95.00 (94.70 to 95.70): VU040998.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU040998.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU040998.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU040998.D (-1529) (-)



#35

Methylcyclohexane

Concen: 0.721 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

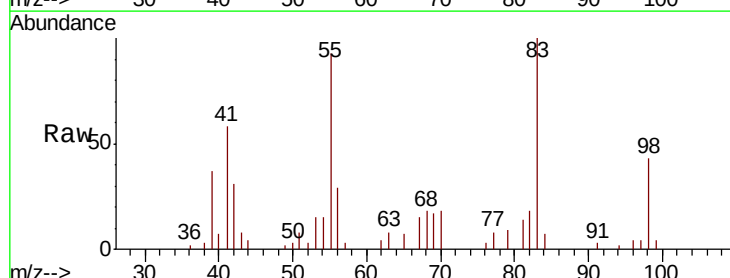
Tgt Ion: 83 Resp: 11096

Ion Ratio Lower Upper

83 100

55 94.8 72.7 109.1

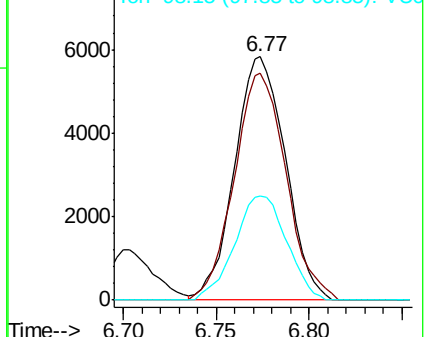
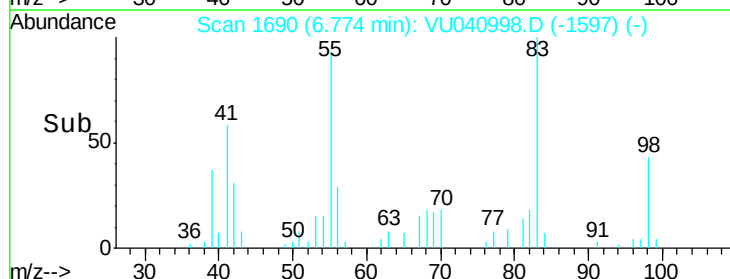
98 43.7 35.7 53.5

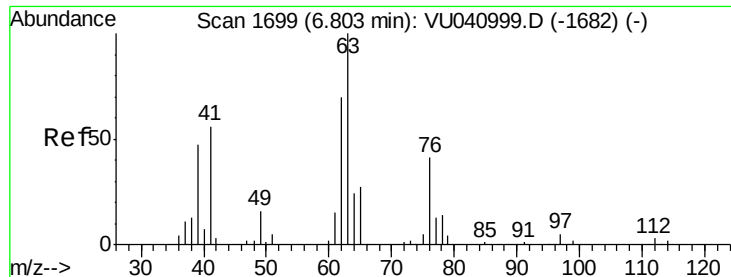


Abundance Ion 83.15 (82.85 to 83.85): VU040998.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040998.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040998.D (-1597) (-)

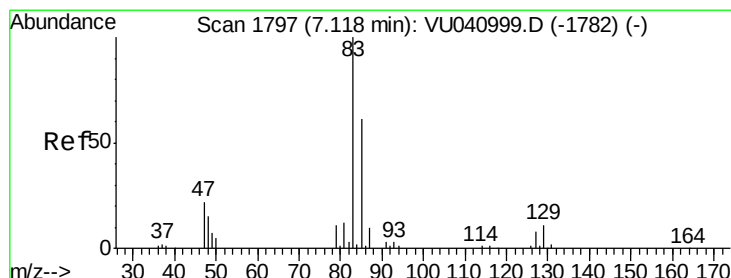
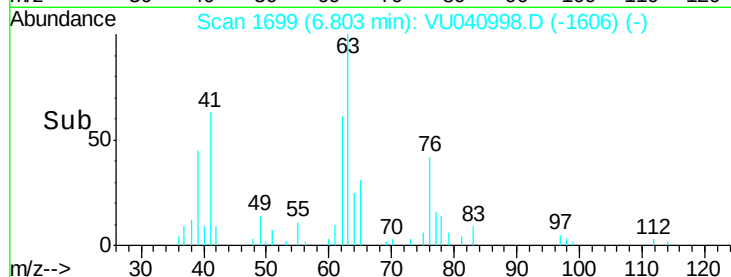
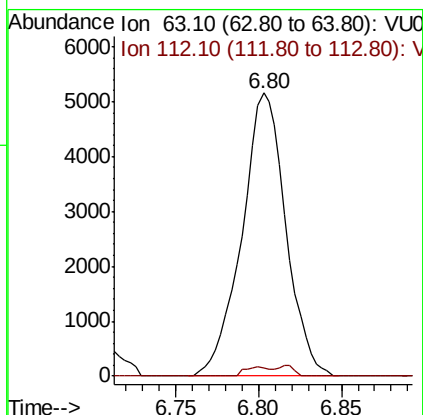
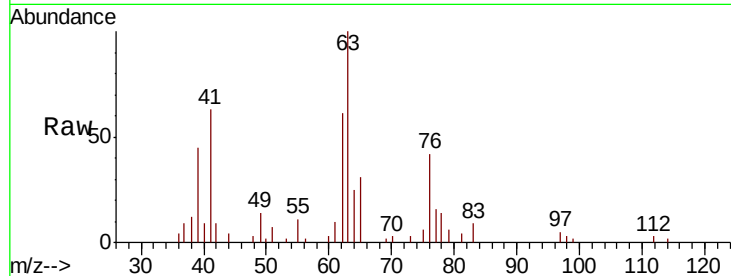




#37
 1,2-Dichloropropane
 Concen: 0.877 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

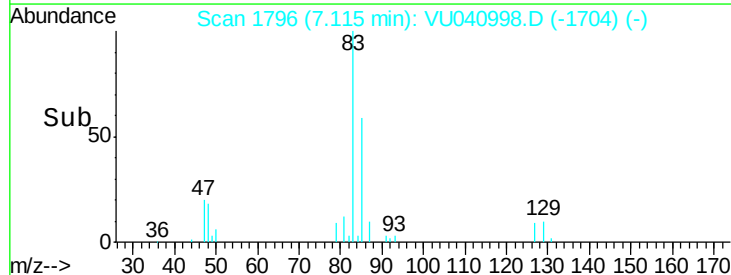
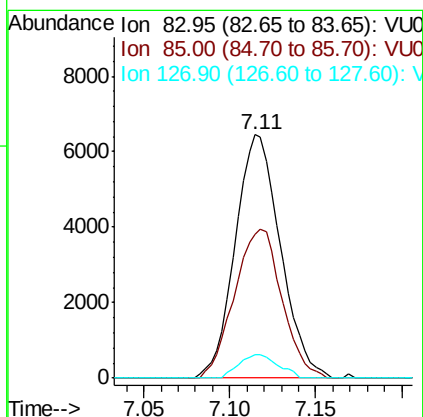
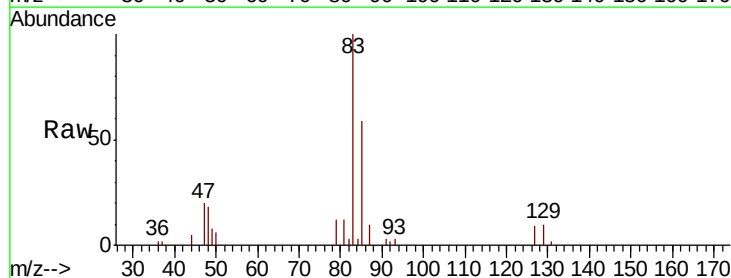
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001103

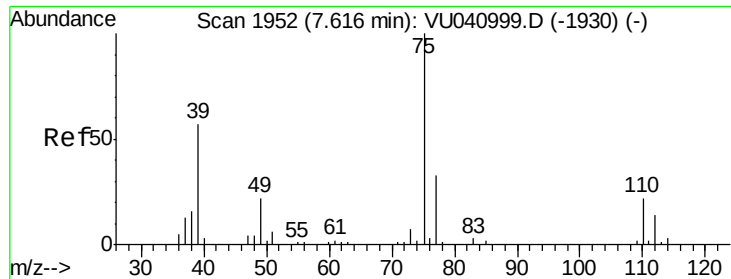
Tot Ion: 63 Resp: 9508
 Ion Ratio Lower Upper
 63 100
 112 2.0 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 0.894 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Tgt Ion: 83 Resp: 11752
 Ion Ratio Lower Upper
 83 100
 85 59.3 42.9 79.7
 127 9.4 6.2 9.2#

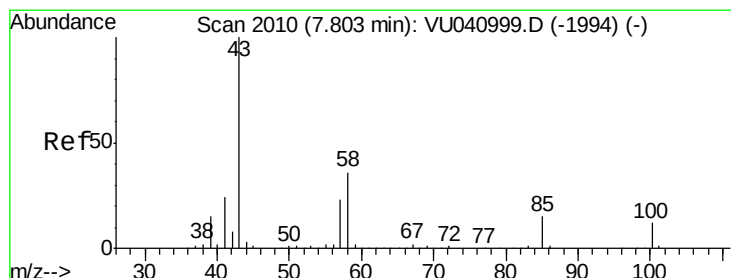
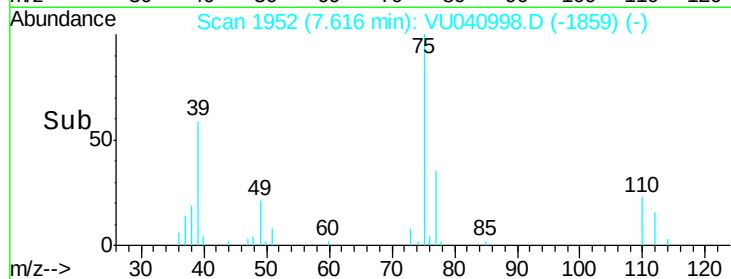
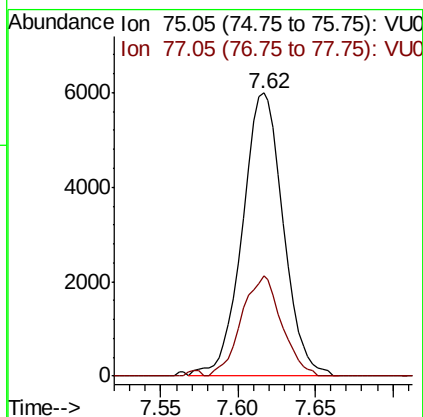
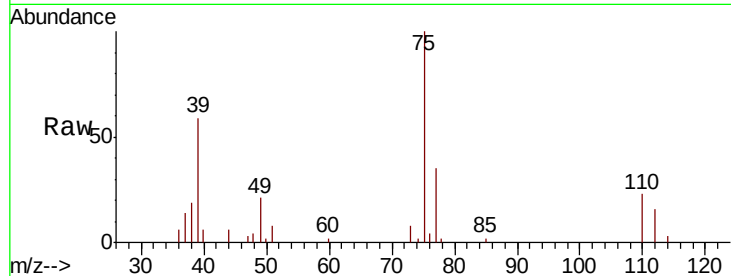




#39
 cis-1,3-Dichloropropene
 Concen: 0.760 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

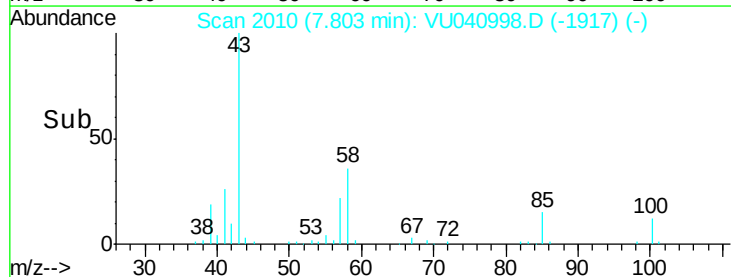
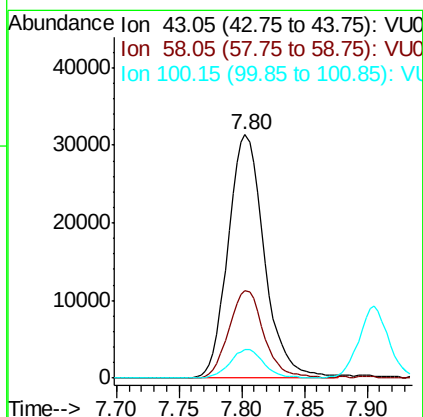
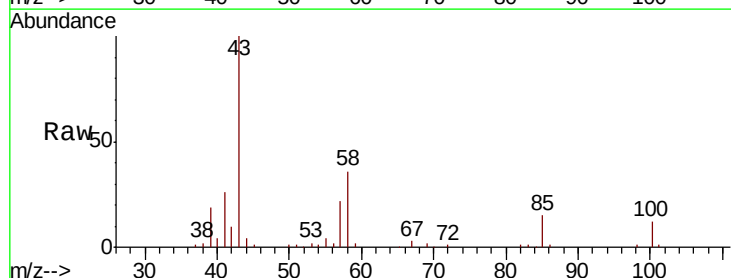
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001103

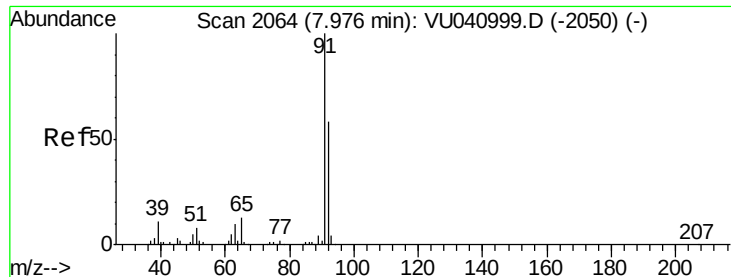
Tot Ion: 75 Resp: 11050
 Ion Ratio Lower Upper
 75 100
 77 35.3 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 7.733 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Tgt Ion: 43 Resp: 63055
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.6 43.0
 100 11.0 9.6 14.4





#42

Toluene

Concen: 0.800 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

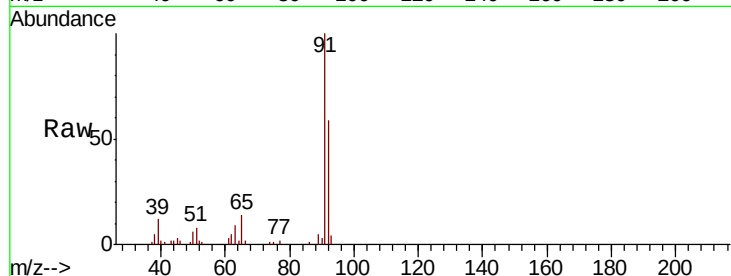
VSTD001103

Tot Ion: 91 Resp: 31275

Ion Ratio Lower Upper

91 100

92 58.7 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

20000

15000

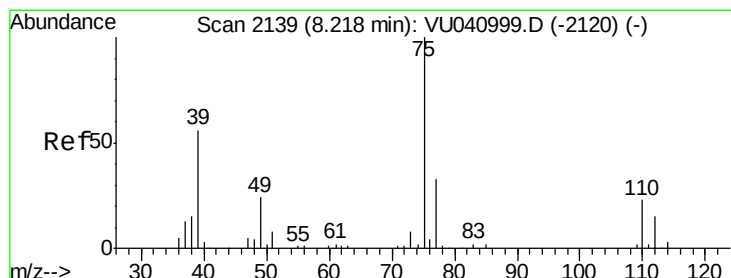
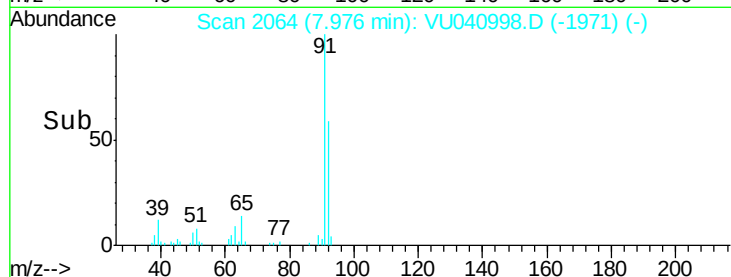
10000

5000

0

Time-->

7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 0.815 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040998.D

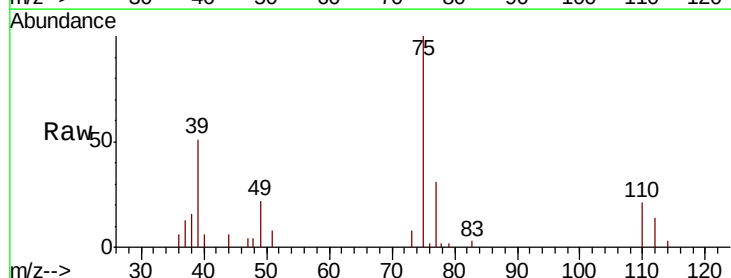
Acq: 28 Oct 2020 17:21

Tgt Ion: 75 Resp: 10959

Ion Ratio Lower Upper

75 100

77 31.0 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

6000

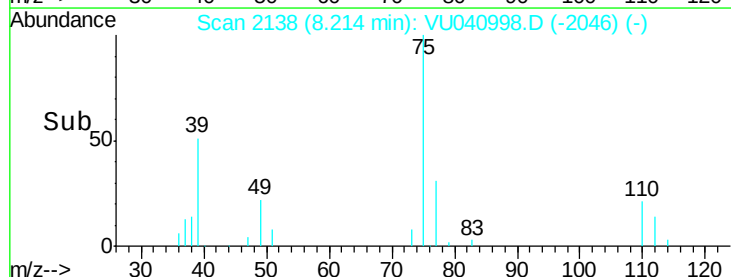
4000

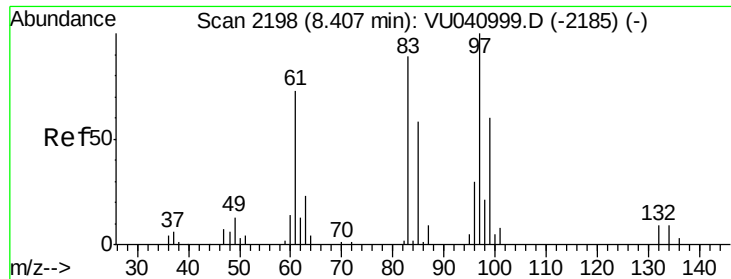
2000

0

Time-->

8.15 8.20 8.25 8.30

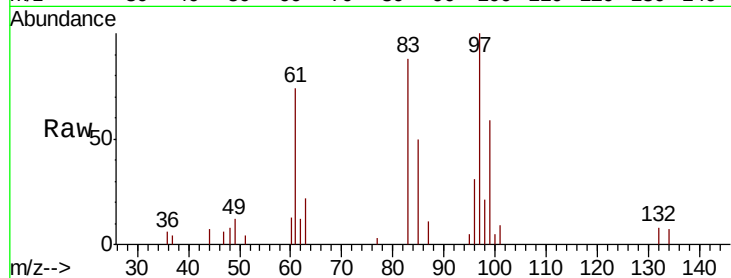




#45
 1,1,2-Trichloroethane
 Concen: 0.921 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001103

Tot Ion:	97	Resp:	6791
Ion	Ratio	Lower	Upper
97	100		
99	58.6	41.8	77.6
83	88.2	62.2	115.6
85	50.0	40.3	74.8



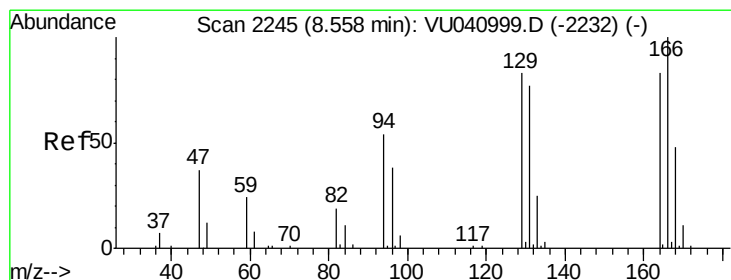
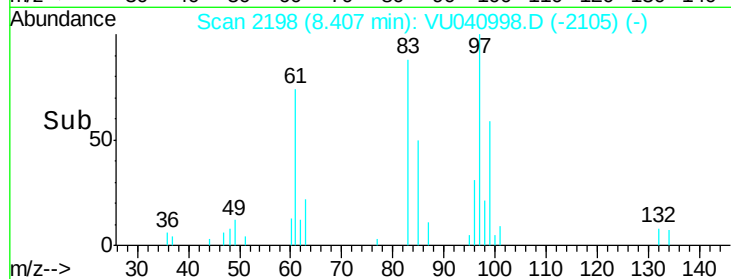
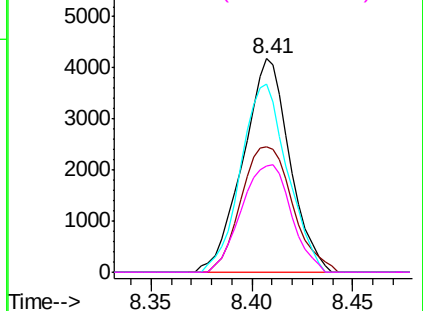
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

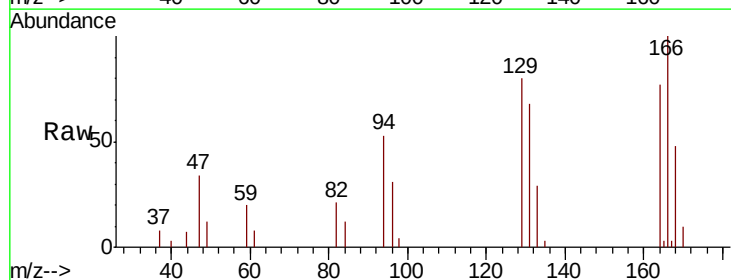
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 0.856 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Tgt Ion:	164	Resp:	6206
Ion	Ratio	Lower	Upper
164	100		
129	103.9	69.9	129.7
131	89.1	65.0	120.6
166	130.3	84.1	156.1



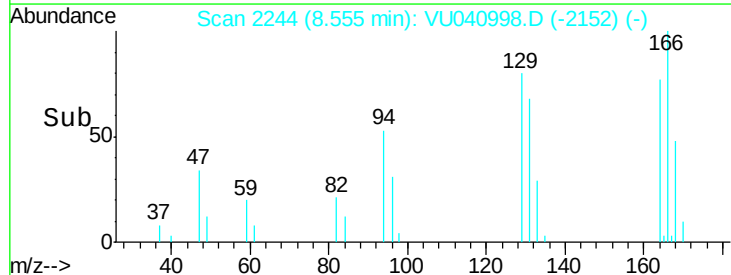
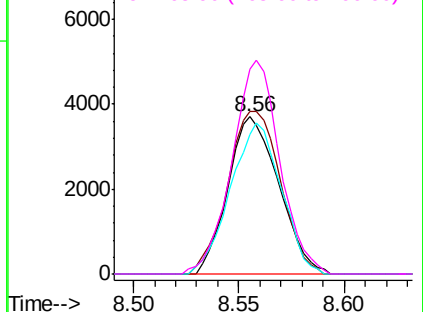
Abundance

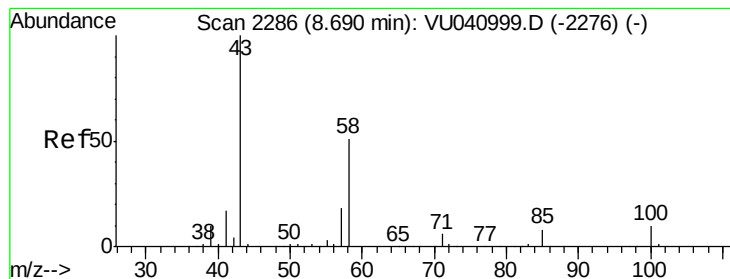
Ion 163.90 (163.60 to 164.60): V

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: 8.330 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD001103

Tot Ion: 43 Resp: 49649

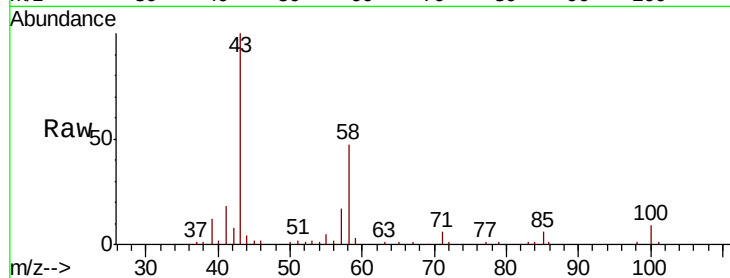
Ion Ratio Lower Upper

43 100

58 45.3 39.9 59.9

57 16.3 14.1 21.1

100 8.9 7.5 11.3

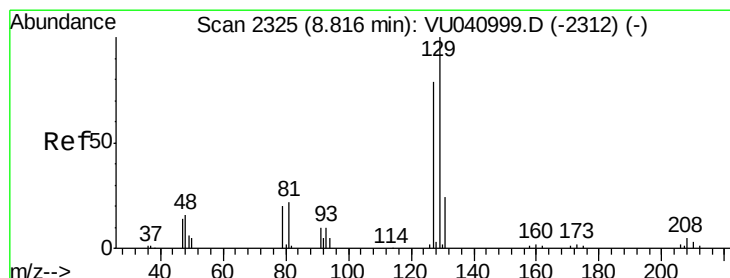
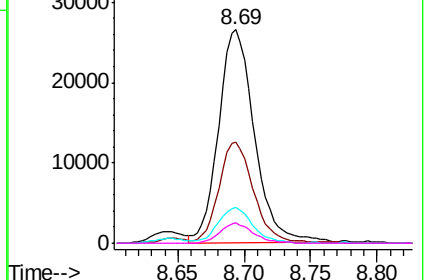
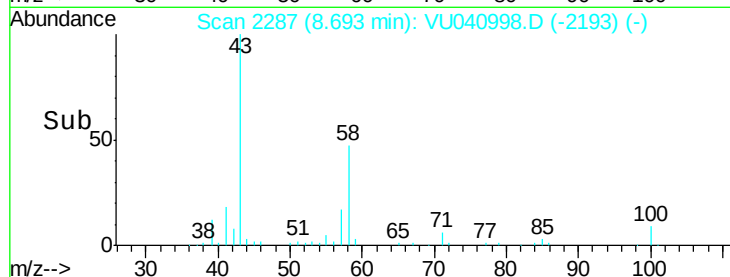


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 0.925 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040998.D

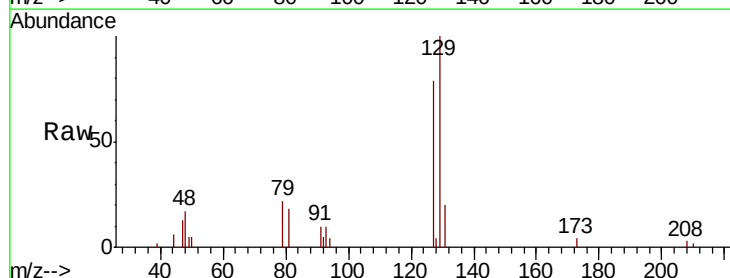
Acq: 28 Oct 2020 17:21

Tgt Ion: 129 Resp: 7831

Ion Ratio Lower Upper

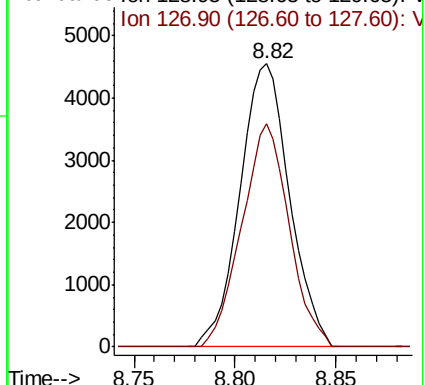
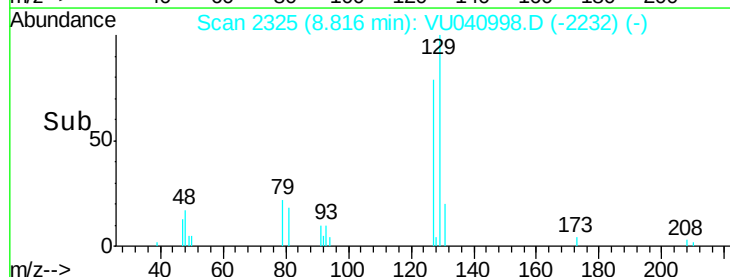
129 100

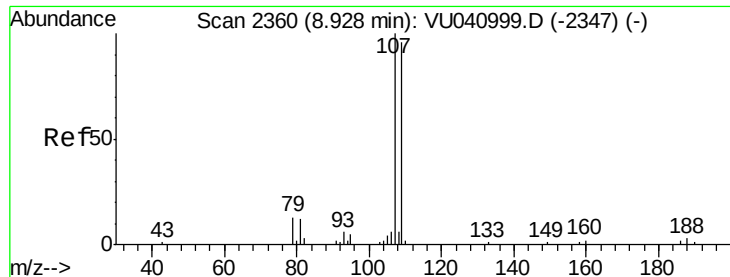
127 78.8 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

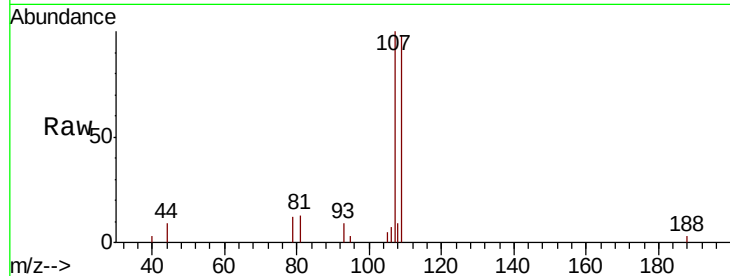




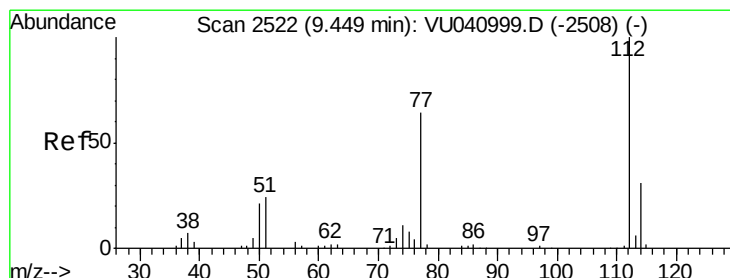
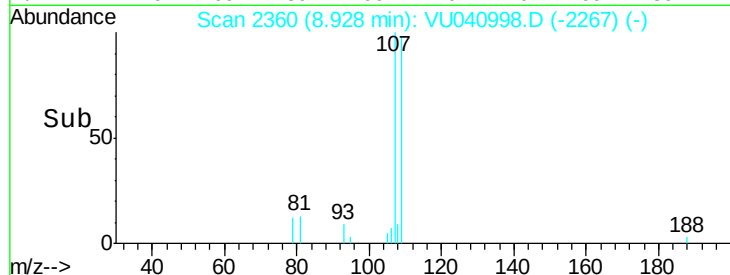
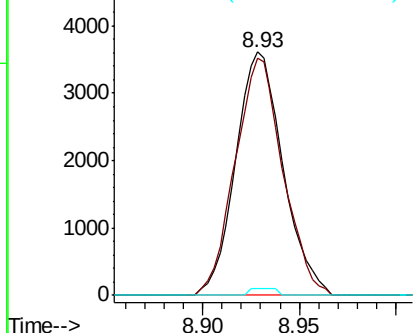
#50
 1,2-Dibromoethane
 Concen: 0.867 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001103

Tot Ion:107 Resp: 6159
 Ion Ratio Lower Upper
 107 100
 109 97.6 67.1 124.5
 188 3.0 2.3 3.5

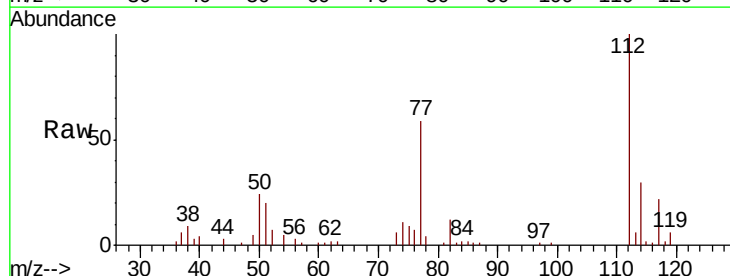


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

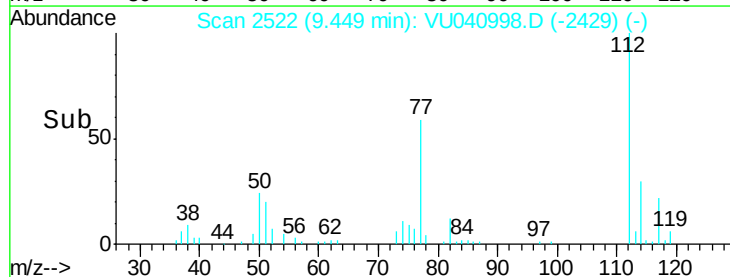
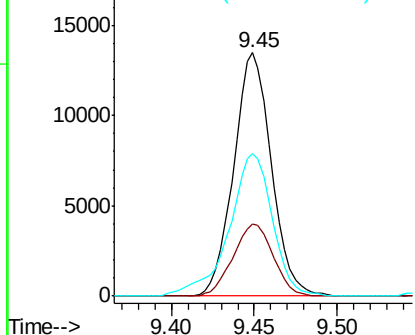


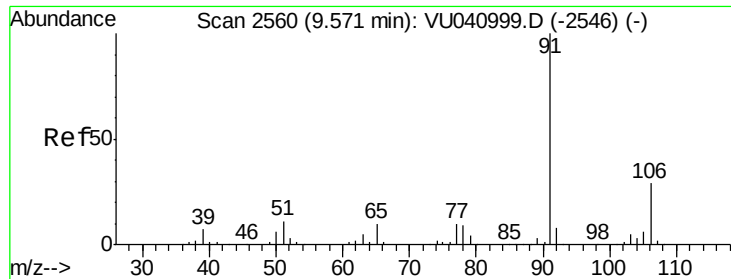
#51
 Chlorobenzene
 Concen: 0.849 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Tgt Ion:112 Resp: 21309
 Ion Ratio Lower Upper
 112 100
 114 29.7 21.9 40.7
 77 58.8 51.4 77.2



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





#52

Ethylbenzene

Concen: 0.717 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

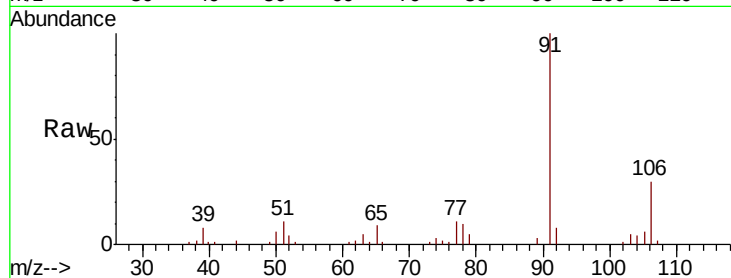
VSTD001103

Tot Ion: 91 Resp: 30545

Ion Ratio Lower Upper

91 100

106 29.6 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU040998.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU040998.D (-2546) (-)

9.57

20000

15000

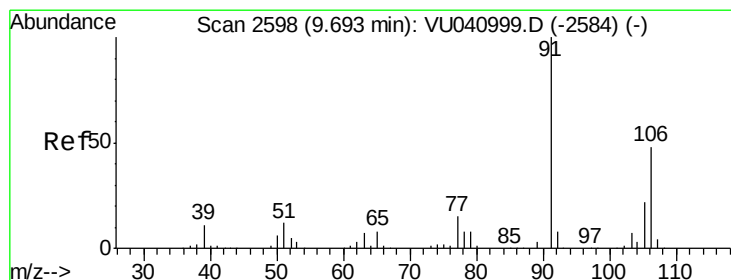
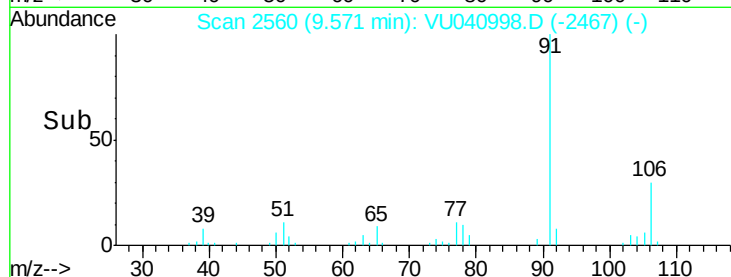
10000

5000

0

Time-->

9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 0.711 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040998.D

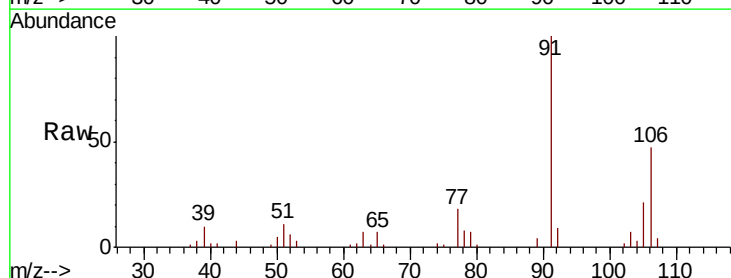
Acq: 28 Oct 2020 17:21

Tgt Ion: 106 Resp: 10922

Ion Ratio Lower Upper

106 100

91 212.6 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU040998.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU040998.D (-2584) (-)

9.69

15000

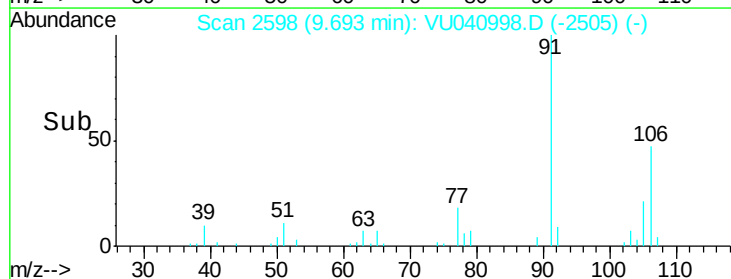
10000

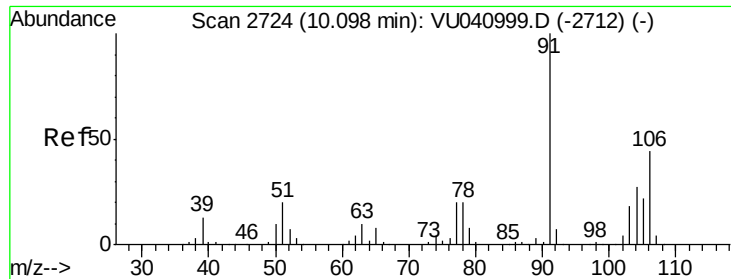
5000

0

Time-->

9.65 9.70 9.75

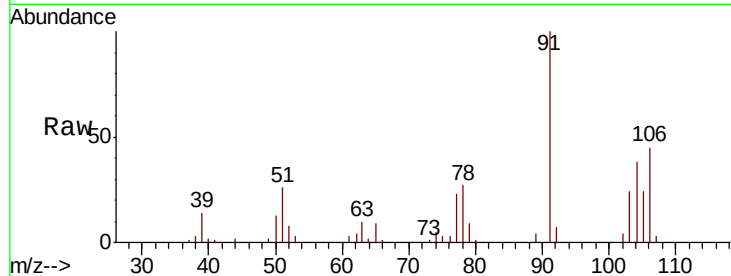




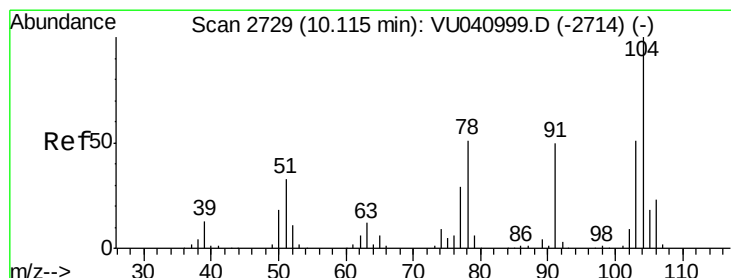
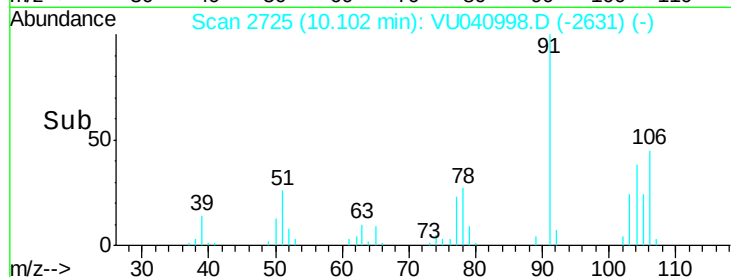
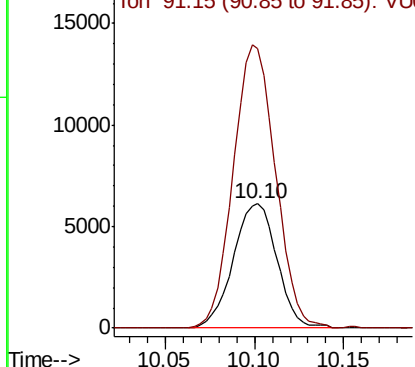
#54
o-Xylene
Concen: 0.710 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD001103

Tot Ion:106 Resp: 10492
Ion Ratio Lower Upper
106 100
91 224.5 158.3 294.1

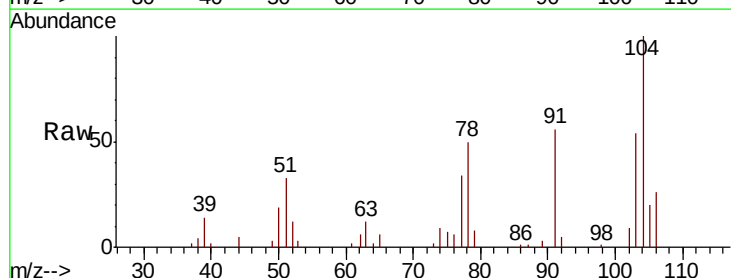


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

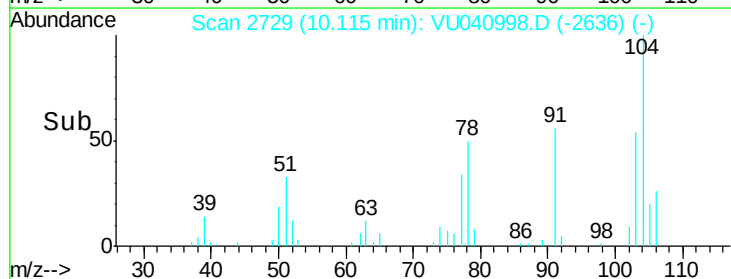
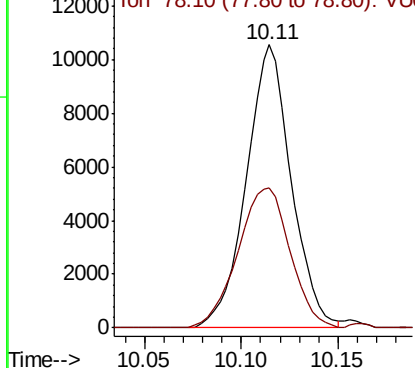


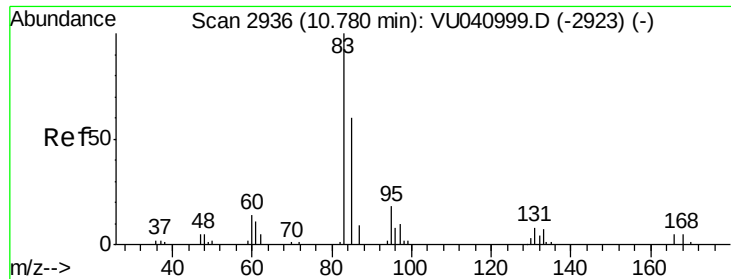
#55
Styrene
Concen: 0.666 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

Tgt Ion:104 Resp: 17017
Ion Ratio Lower Upper
104 100
78 49.6 35.6 66.2



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

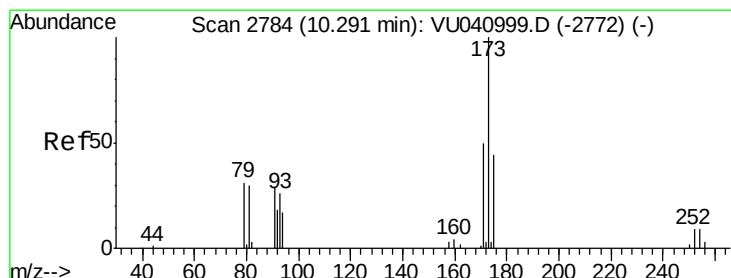
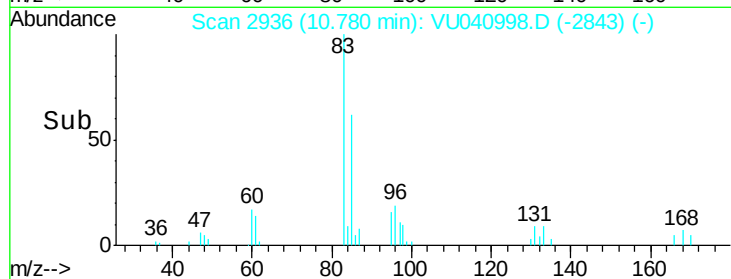
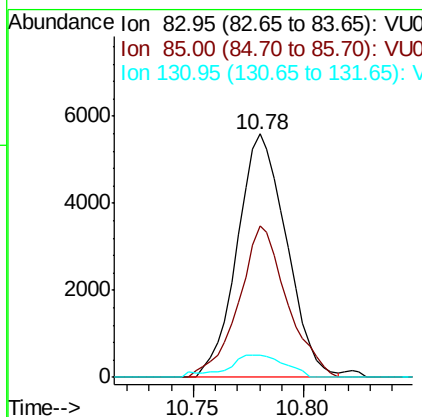
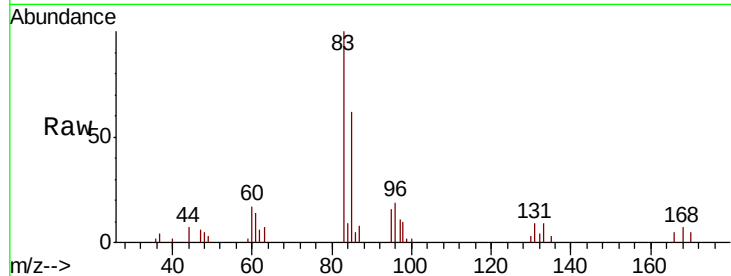




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.893 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

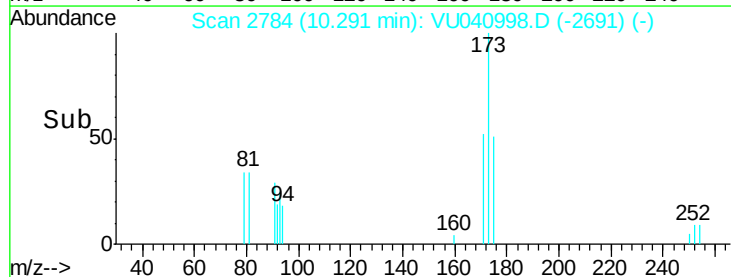
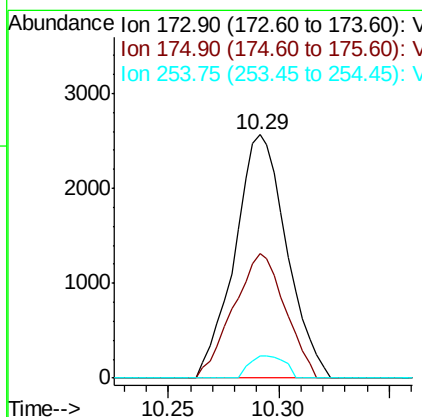
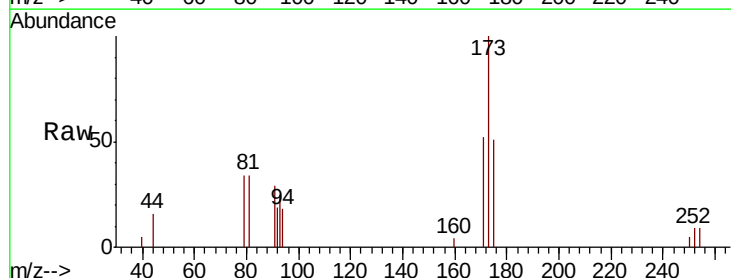
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001103

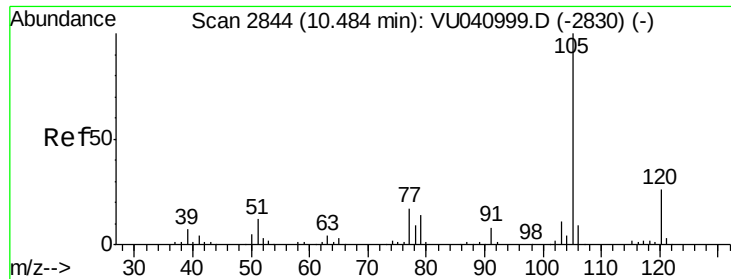
Tot Ion: 83 Resp: 8667
 Ion Ratio Lower Upper
 83 100
 85 62.4 42.1 78.3
 131 9.1 6.7 10.1



#59
 Bromoform
 Concen: 0.983 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Tgt Ion: 173 Resp: 4177
 Ion Ratio Lower Upper
 173 100
 175 50.9 36.7 55.1
 254 6.2 6.5 9.7#





#60

Isopropylbenzene

Concen: 0.764 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD001103

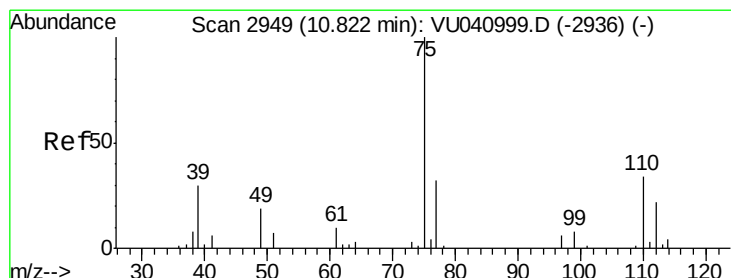
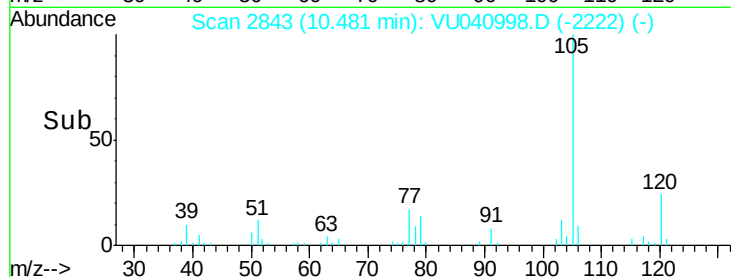
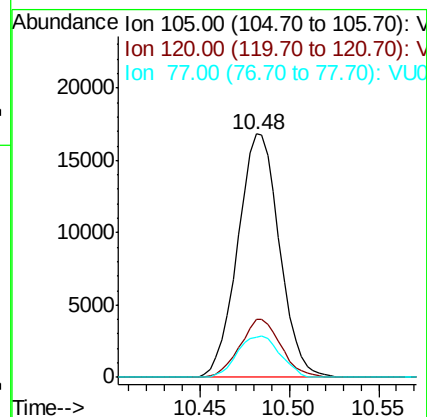
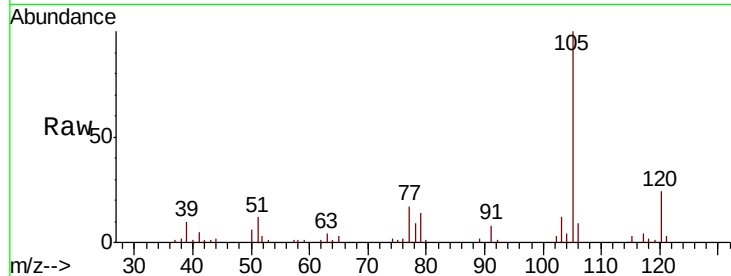
Tot Ion:105 Resp: 27399

Ion Ratio Lower Upper

105 100

120 23.5 20.2 30.4

77 17.4 14.4 21.6



#61

1,2,3-Trichloropropane

Concen: 0.984 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU040998.D

Acq: 28 Oct 2020 17:21

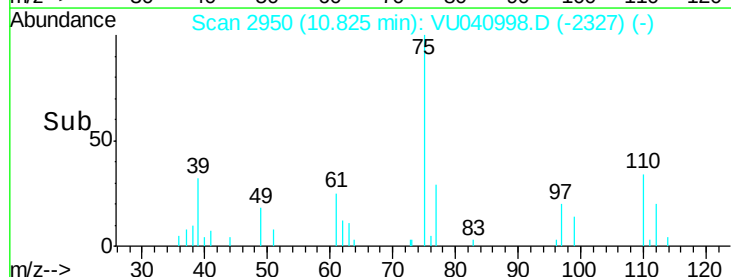
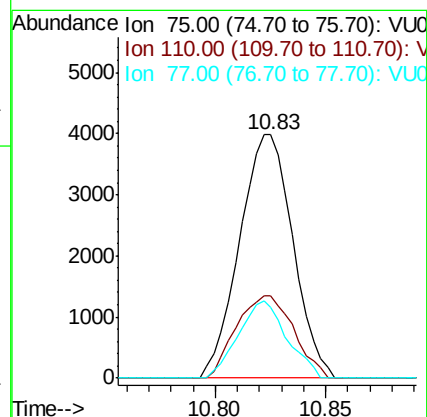
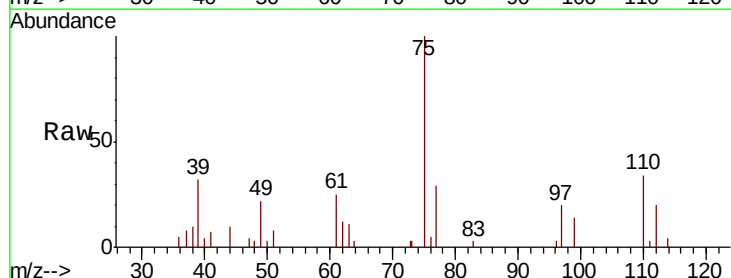
Tgt Ion: 75 Resp: 6674

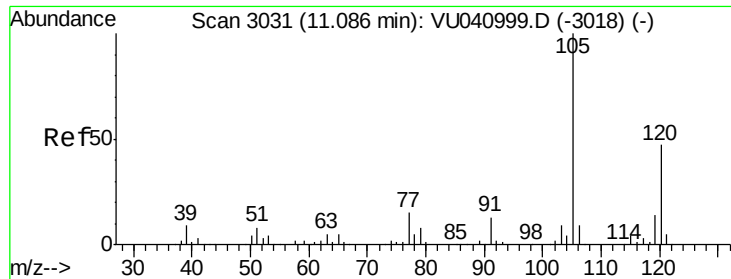
Ion Ratio Lower Upper

75 100

110 36.3 27.5 41.3

77 29.0 24.9 37.3

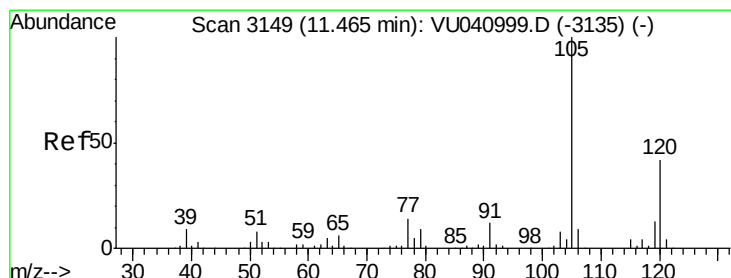
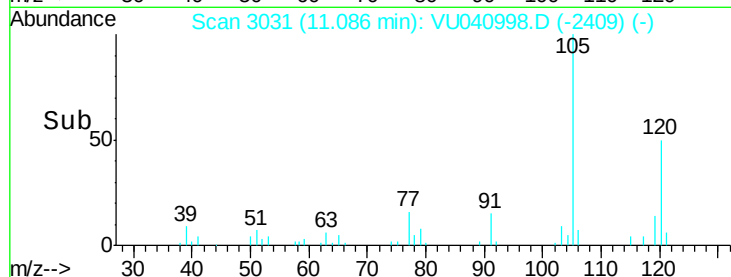
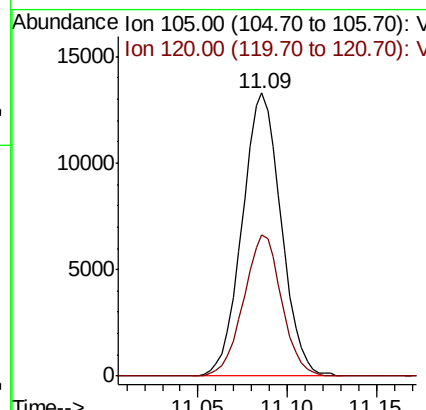
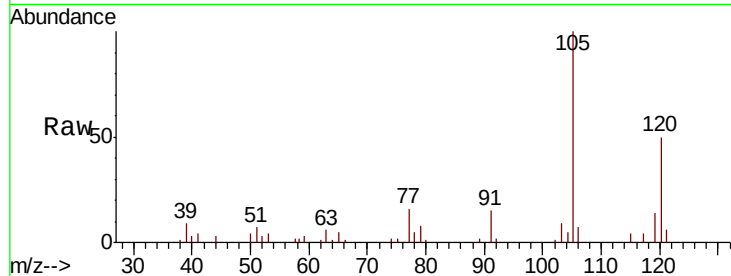




#62
 1,3,5-Trimethylbenzene
 Concen: 0.704 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

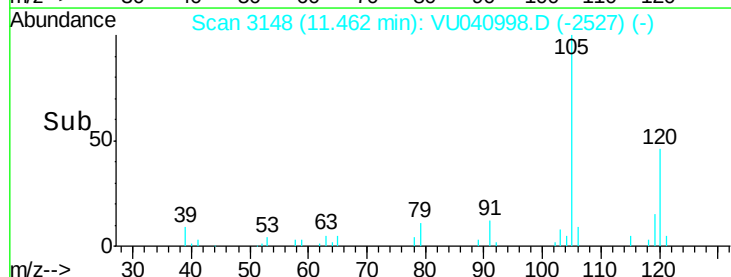
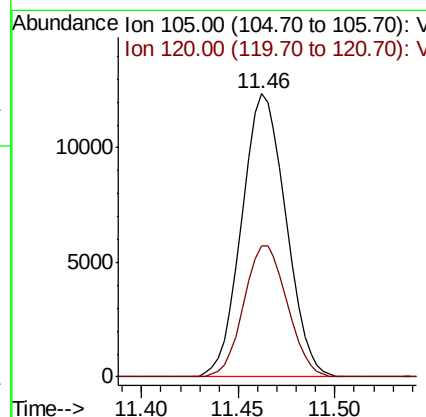
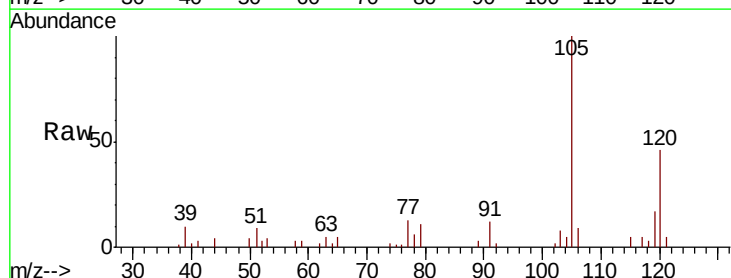
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001103

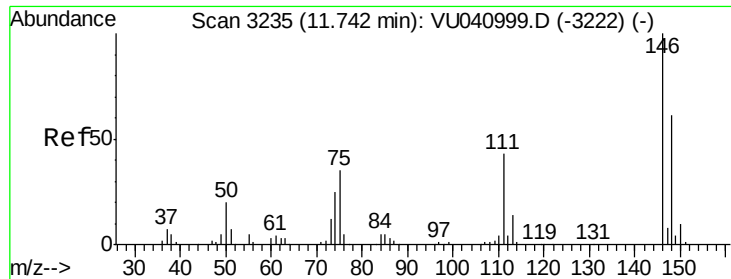
Tot Ion:105 Resp: 20241
 Ion Ratio Lower Upper
 105 100
 120 48.6 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 0.672 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Tgt Ion:105 Resp: 19635
 Ion Ratio Lower Upper
 105 100
 120 45.6 34.6 52.0

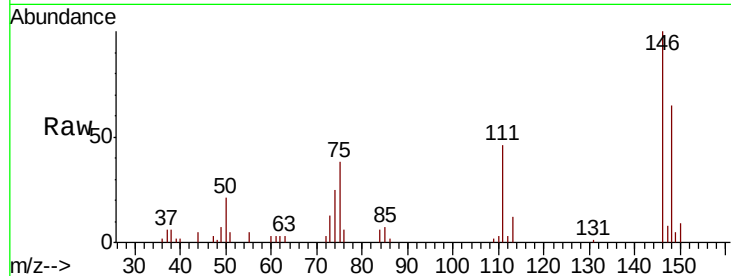




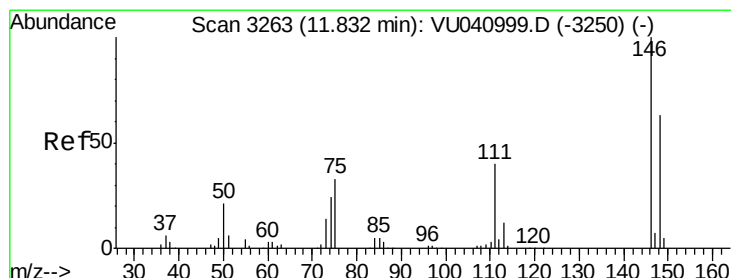
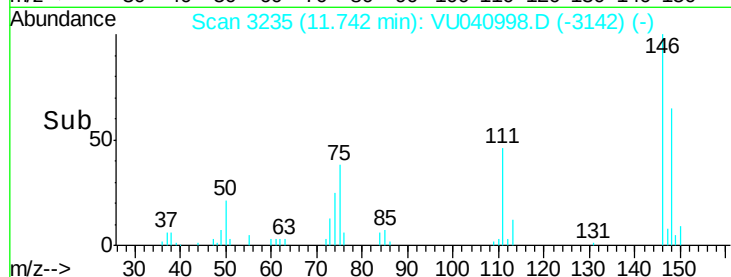
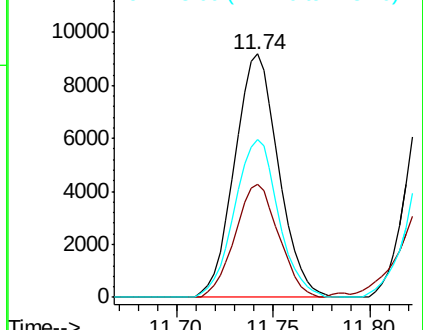
#64
 1,3-Dichlorobenzene
 Concen: 0.813 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001103

Tot Ion:146 Resp: 14514
 Ion Ratio Lower Upper
 146 100
 111 46.3 30.2 56.0
 148 64.7 42.9 79.7

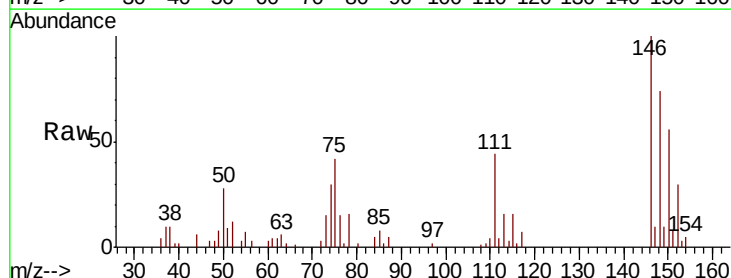


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

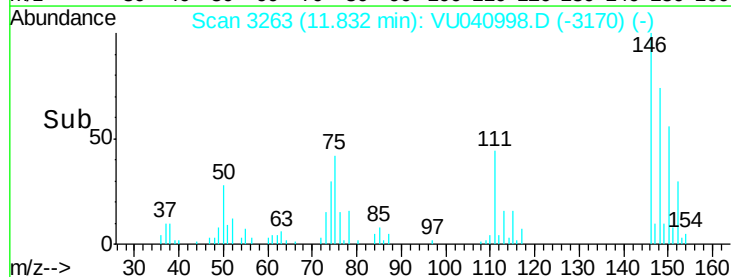
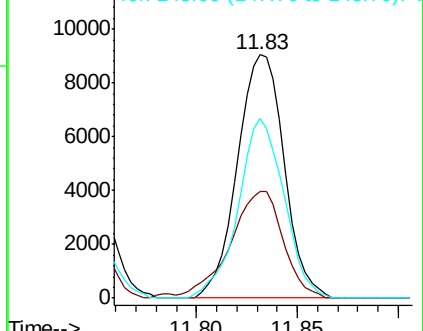


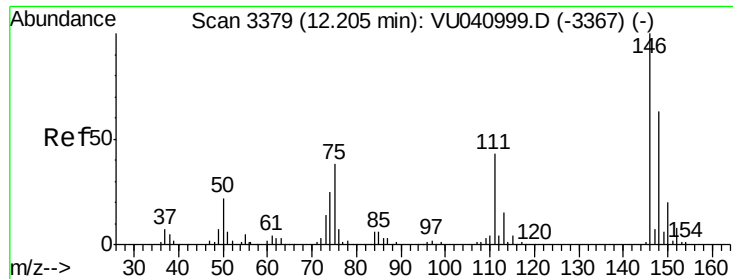
#65
 1,4-Dichlorobenzene
 Concen: 0.798 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Tgt Ion:146 Resp: 14708
 Ion Ratio Lower Upper
 146 100
 111 44.0 28.3 52.7
 148 73.7 44.1 81.9



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

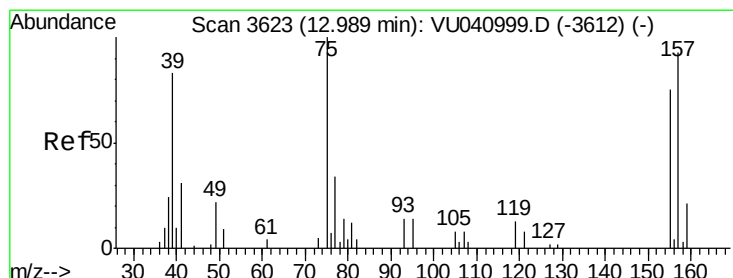
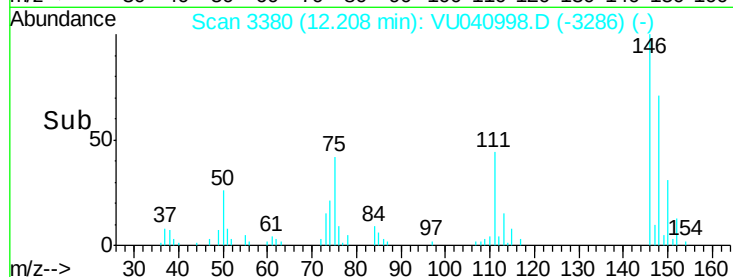
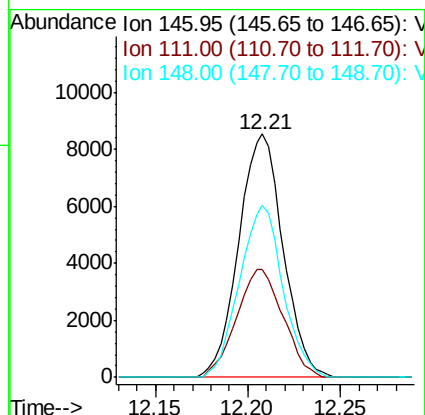
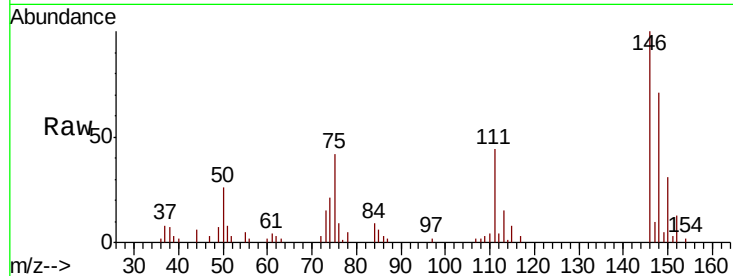




#67
 1,2-Dichlorobenzene
 Concen: 0.841 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

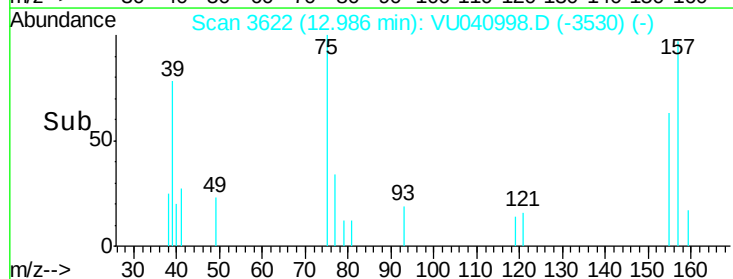
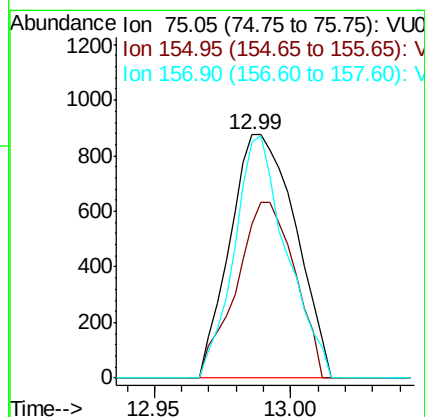
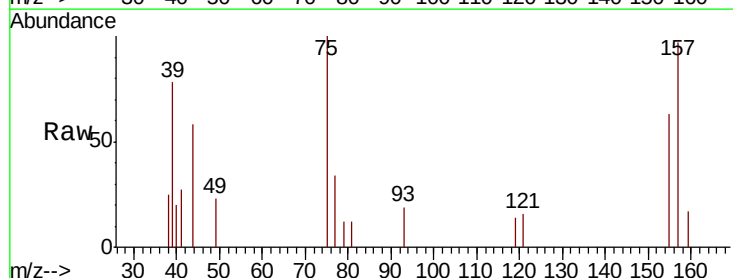
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001103

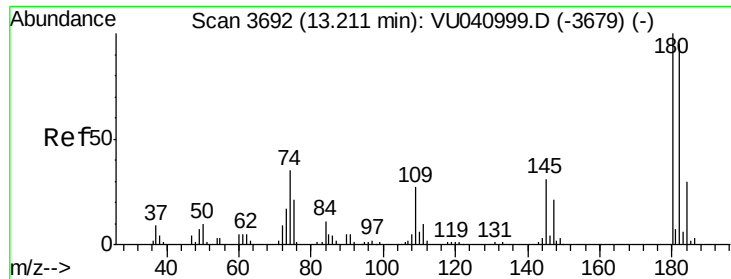
Tot Ion:146 Resp: 14131
 Ion Ratio Lower Upper
 146 100
 111 44.5 34.7 52.1
 148 70.6 50.7 76.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.912 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Tgt Ion: 75 Resp: 1457
 Ion Ratio Lower Upper
 75 100
 155 63.4 60.2 90.2
 157 96.9 74.4 111.6

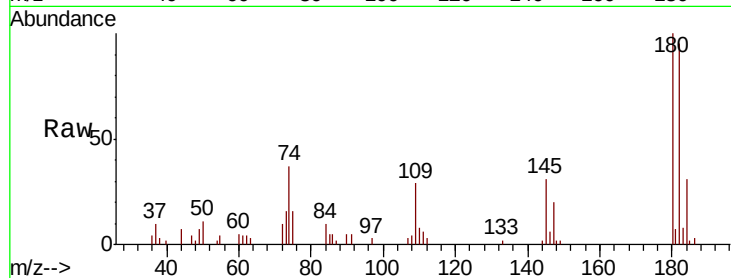




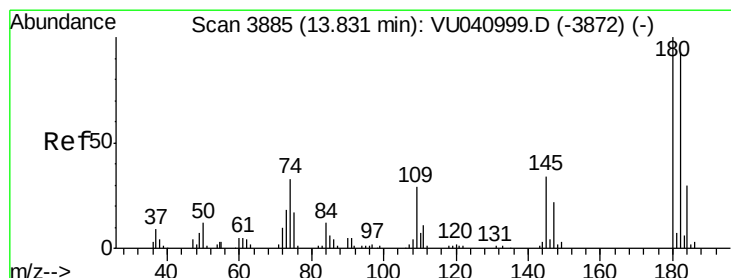
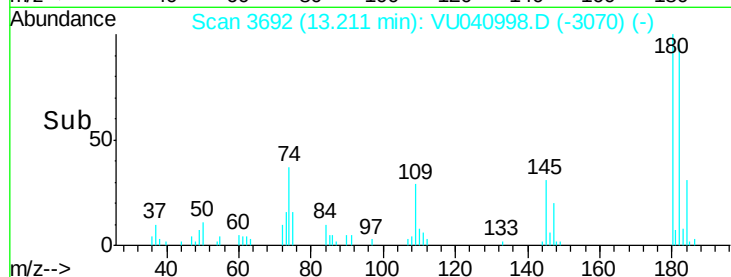
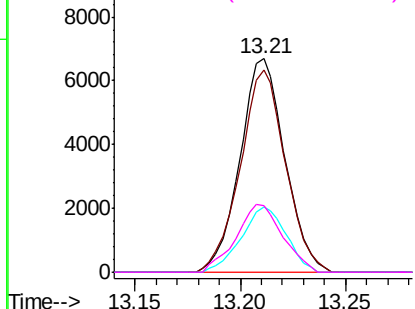
#69
 1,3,5-Trichlorobenzene
 Concen: 0.790 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001103

Tot Ion:180 Resp: 9879
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.9 115.3
 184 30.6 23.8 35.8
 145 32.7 25.2 37.8

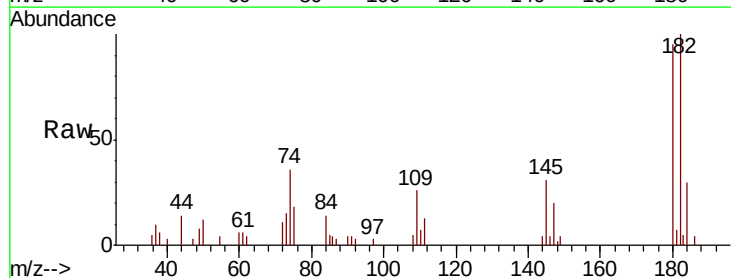


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

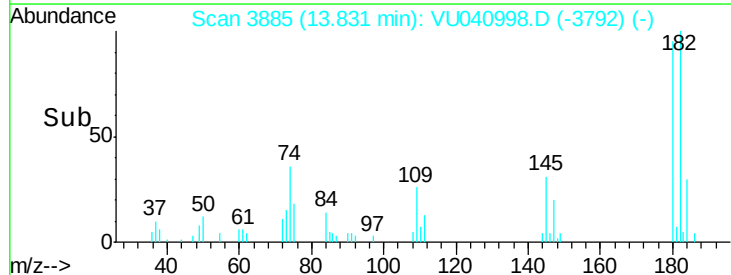
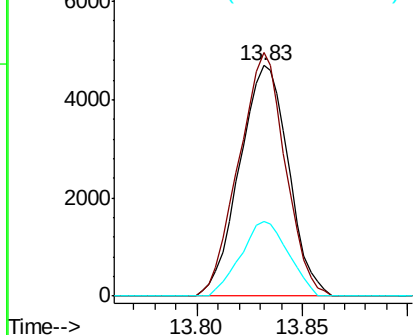


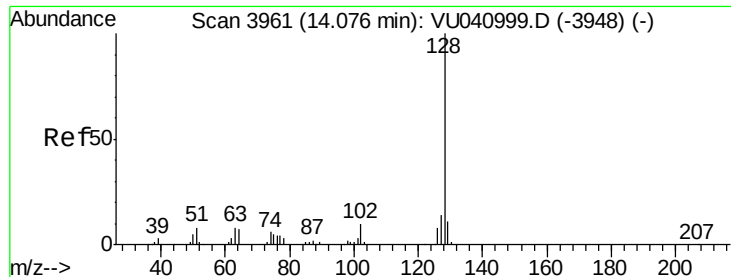
#70
 1,2,4-trichlorobenzene
 Concen: 0.747 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040998.D
 Acq: 28 Oct 2020 17:21

Tgt Ion:180 Resp: 7545
 Ion Ratio Lower Upper
 180 100
 182 100.6 74.5 111.7
 145 31.5 26.6 39.8



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

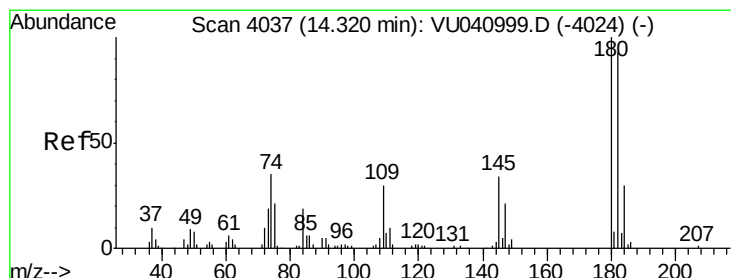
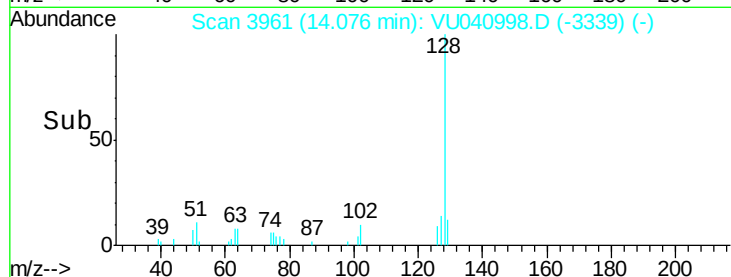
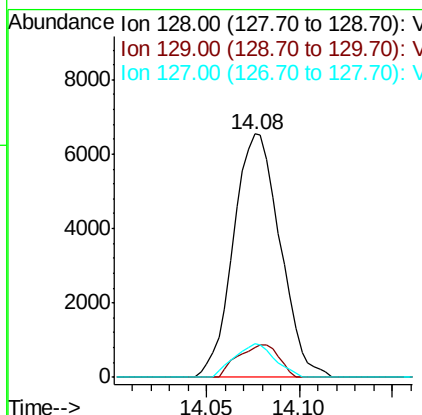
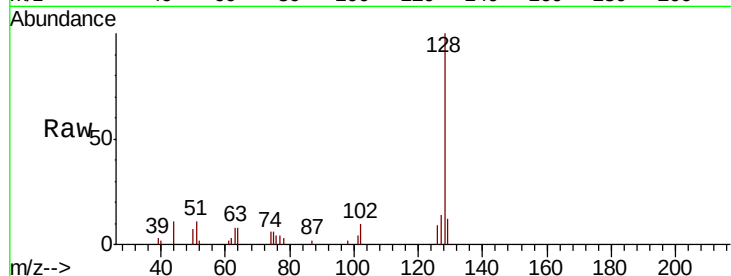




#71
Naphthalene
Concen: 0.659 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD001103

Tot Ion:128 Resp: 11452
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 11.9 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 0.794 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040998.D
Acq: 28 Oct 2020 17:21

Tgt Ion:180 Resp: 7234
Ion Ratio Lower Upper
180 100
182 91.6 76.7 115.1
145 35.6 27.4 41.0

