

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
 Data File : VU040992.D
 Acq On : 28 Oct 2020 11:06
 Operator : SY/MD
 Sample : VSTD00103
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Quant Time: Oct 29 01:29:18 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	54912	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57511	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	25556	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	4708	1.29	ug/L	0.00
7) Chloroethane-d5	1.92	69	3694	1.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	2097	1.13	ug/L	0.00
20) 2-Butanone-d5	4.66	46	15499	11.13	ug/L	0.00
24) Chloroform-d	5.08	84	8668	1.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	5292	1.16	ug/L	0.00
32) Benzene-d6	5.74	84	14389	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	5226	1.05	ug/L	0.00
41) Toluene-d8	7.91	98	12491	0.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	1907	0.94	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	8924	8.49	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	4849	1.14	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	4638	1.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	4883	0.878 ug/L	96
3) Chloromethane	1.53	50	5165	0.937 ug/L	96
5) Vinyl chloride	1.61	62	4834	0.885 ug/L	95
6) Bromomethane	1.87	94	2656	0.912 ug/L	96
8) Chloroethane	1.94	64	3415	1.054 ug/L	95
9) Trichlorofluoromethane	2.15	101	7058	0.958 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4109	0.915 ug/L	98
12) 1,1-Dichloroethene	2.59	96	3954	0.939 ug/L	86
13) Acetone	2.68	43	9056	8.769 ug/L	93
14) Carbon disulfide	2.81	76	12388	0.856 ug/L	98
15) Methyl Acetate	2.97	43	2227	0.869 ug/L #	77
16) Methylene chloride	3.06	84	4696	0.891 ug/L	98
17) Methyl tert-butyl Ether	3.38	73	8825	0.801 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	3659	0.835 ug/L	99
19) 1,1-Dichloroethane	3.89	63	7977	0.916 ug/L	91
21) 2-Butanone	4.75	43	13035	7.695 ug/L	83
22) cis-1,2-Dichloroethene	4.69	96	3716	0.806 ug/L	99
23) Bromochloromethane	4.99	128	1895	0.870 ug/L	98
25) Chloroform	5.11	83	7865	0.900 ug/L	97
27) 1,2-Dichloroethane	5.81	62	5742	0.908 ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	6895	0.869 ug/L	99
30) Cyclohexane	5.41	56	5270	0.627 ug/L	95
31) Carbon tetrachloride	5.54	117	5899	0.873 ug/L	99
33) Benzene	5.79	78	15144	0.778 ug/L	100
34) Trichloroethene	6.56	95	4009	0.797 ug/L	97
35) Methylcyclohexane	6.77	83	5282	0.681 ug/L	99
37) 1,2-Dichloropropane	6.80	63	4369	0.800 ug/L #	89
38) Bromodichloromethane	7.11	83	5763	0.870 ug/L #	96
39) cis-1,3-Dichloropropene	7.62	75	5254	0.717 ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	28331	6.895 ug/L	98

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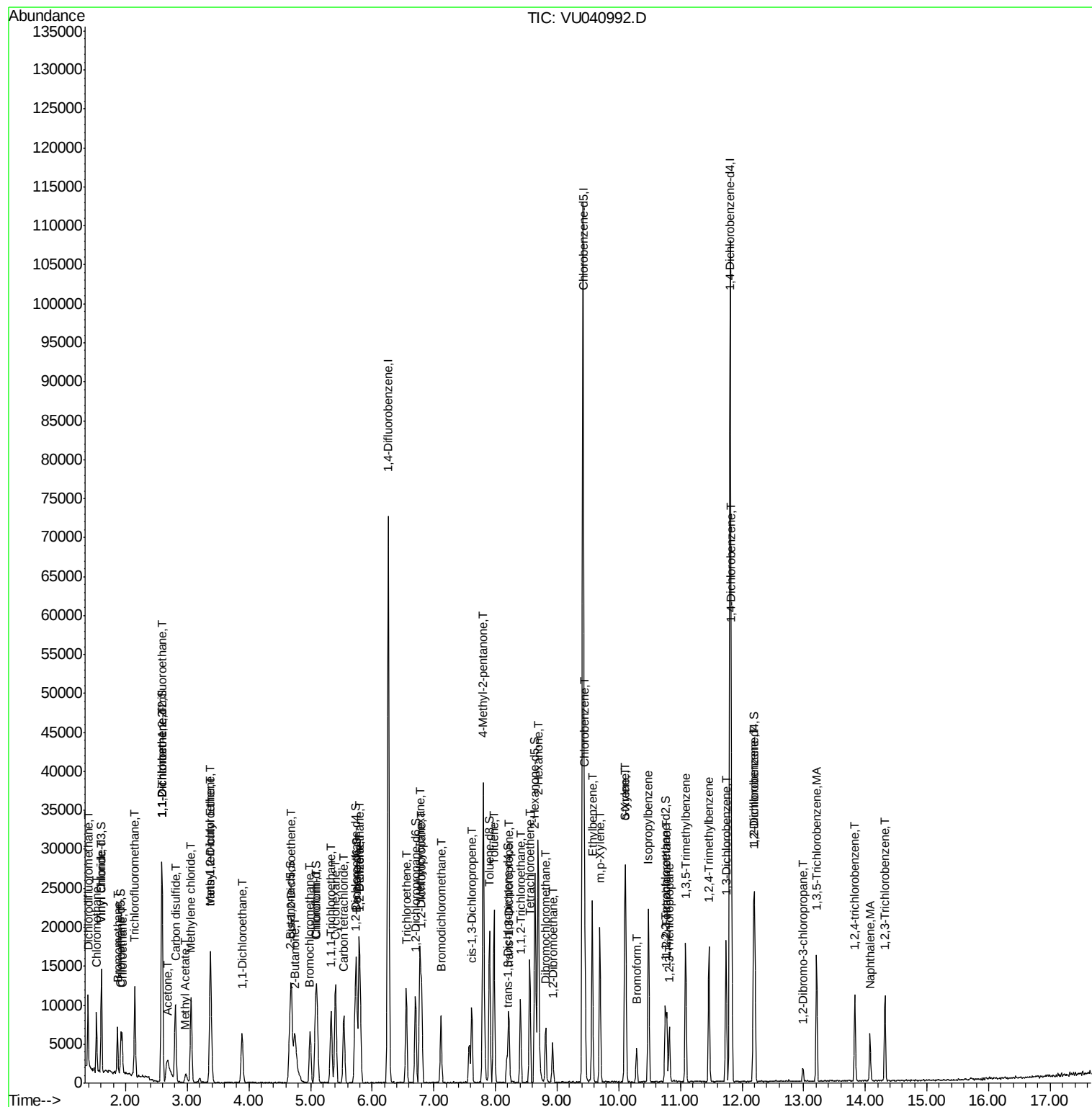
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	15034	0.763	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	4947	0.730	ug/L	90
45) 1,1,2-Trichloroethane	8.40	97	3112	0.838	ug/L	92
47) Tetrachloroethene	8.56	164	3301	0.904	ug/L	97
48) 2-Hexanone	8.69	43	22409	7.461	ug/L	98
49) Dibromochloromethane	8.82	129	3610	0.846	ug/L	90
50) 1,2-Dibromoethane	8.93	107	3129	0.874	ug/L #	94
51) Chlorobenzene	9.45	112	9825	0.777	ug/L	98
52) Ethylbenzene	9.57	91	15175	0.706	ug/L	99
53) m,p-Xylene	9.69	106	5253	0.679	ug/L	93
54) o-Xylene	10.10	106	4741	0.636	ug/L	91
55) Styrene	10.11	104	7721	0.600	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	4134	0.845	ug/L	94
59) Bromoform	10.29	173	1786	0.868	ug/L #	95
60) Isopropylbenzene	10.48	105	12877	0.742	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	3077	0.937	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	9432	0.678	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	9325	0.659	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	7121	0.823	ug/L	97
65) 1,4-Dichlorobenzene	11.83	146	7479	0.838	ug/L	94
67) 1,2-Dichlorobenzene	12.21	146	7269	0.893	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	698	0.902	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.21	180	4779	0.789	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	3293	0.673	ug/L	98
71) Naphthalene	14.08	128	4888	0.581	ug/L	97
72) 1,2,3-Trichlorobenzene	14.32	180	3185	0.722	ug/L	98

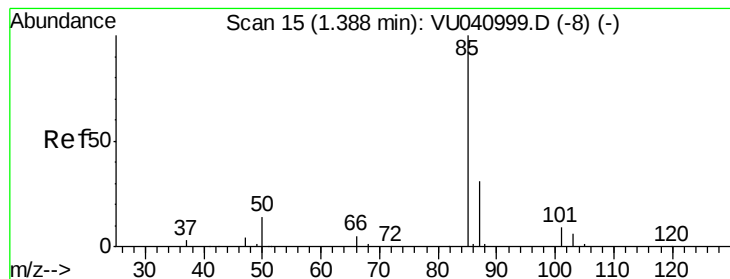
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.878 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

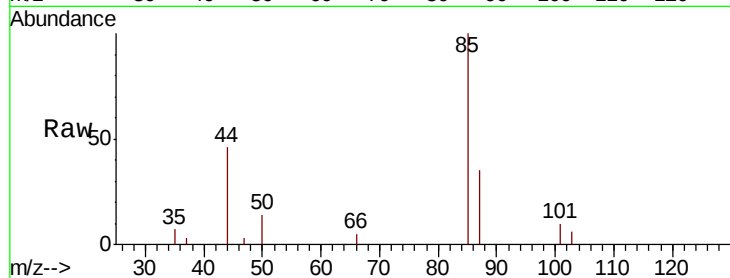
VSTD00103

Tot Ion: 85 Resp: 4883

Ion Ratio Lower Upper

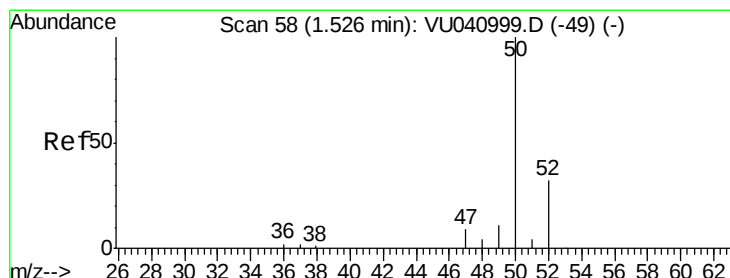
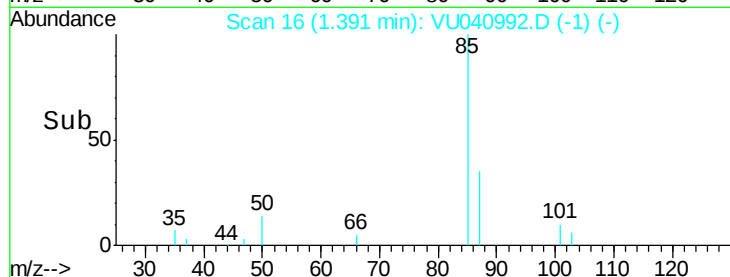
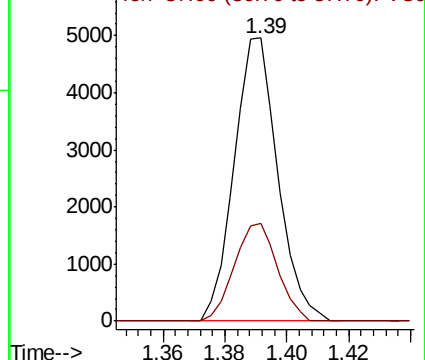
85 100

87 33.9 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: 0.937 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040992.D

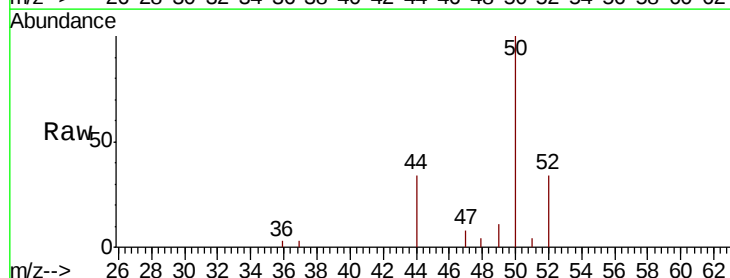
Acq: 28 Oct 2020 11:06

Tgt Ion: 50 Resp: 5165

Ion Ratio Lower Upper

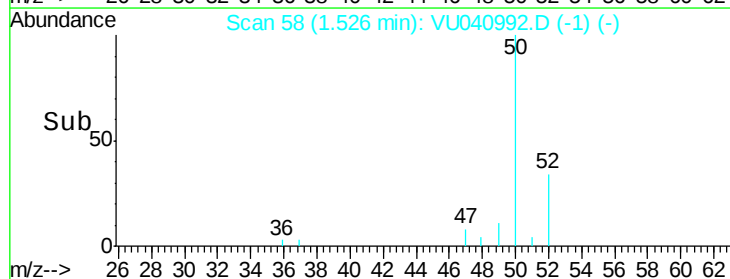
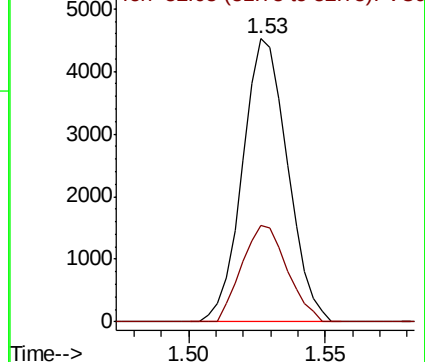
50 100

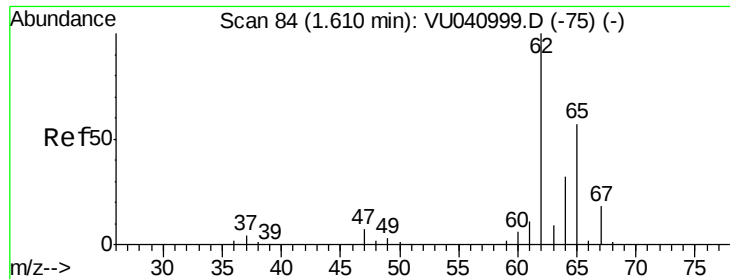
52 34.1 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.885 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

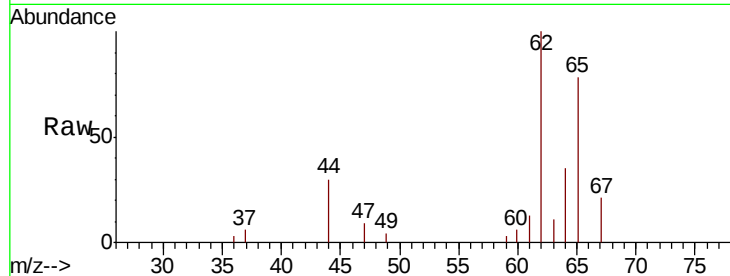
VSTD00103

Tot Ion: 62 Resp: 4834

Ion Ratio Lower Upper

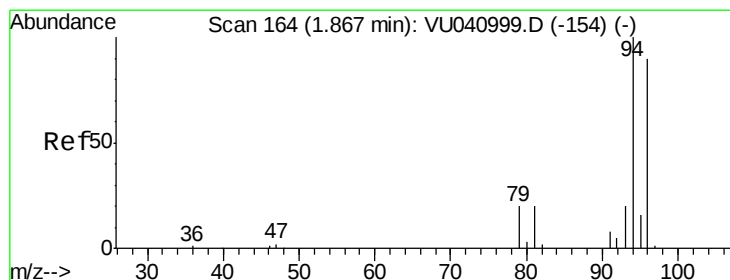
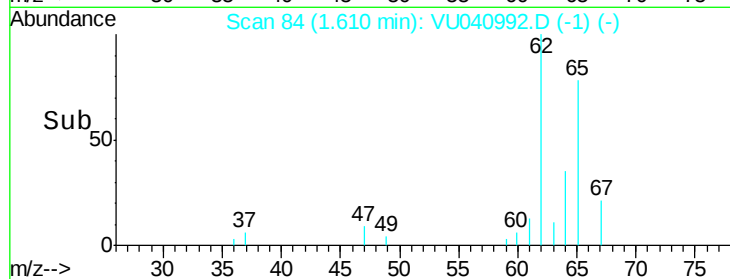
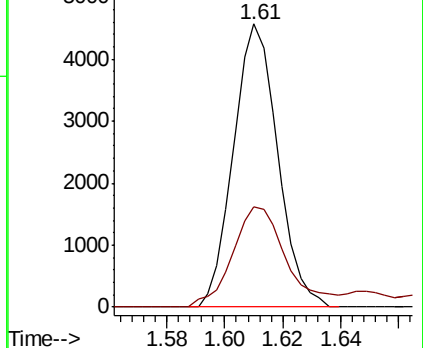
62 100

64 35.3 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU040992.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040992.D (-75) (-)



#6

Bromomethane

Concen: 0.912 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040992.D

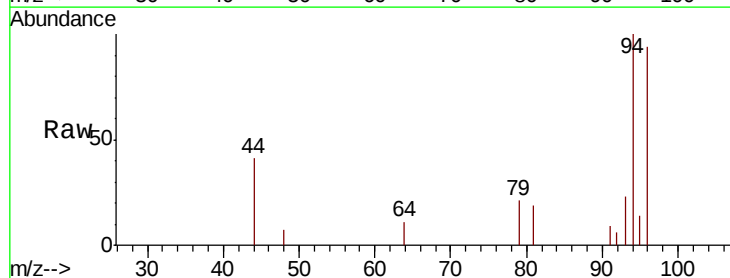
Acq: 28 Oct 2020 11:06

Tgt Ion: 94 Resp: 2656

Ion Ratio Lower Upper

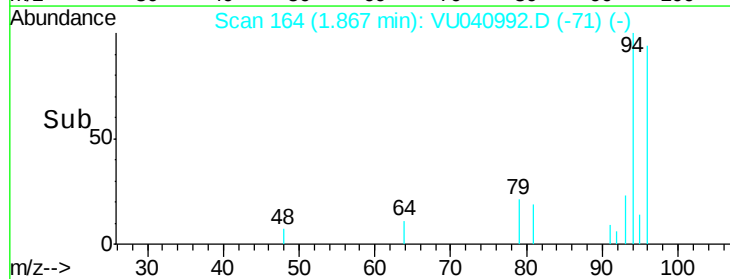
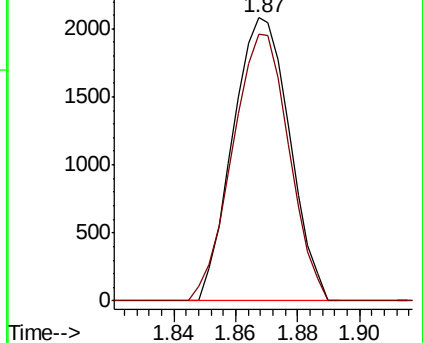
94 100

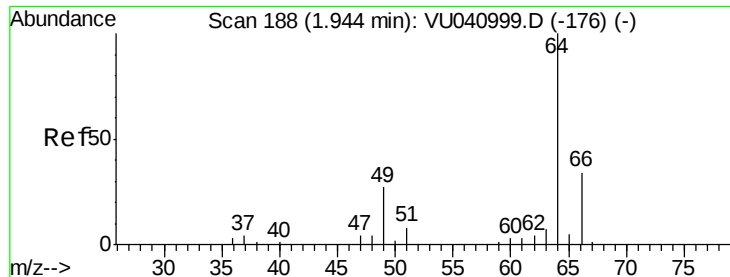
96 94.4 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU040992.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040992.D (-154) (-)

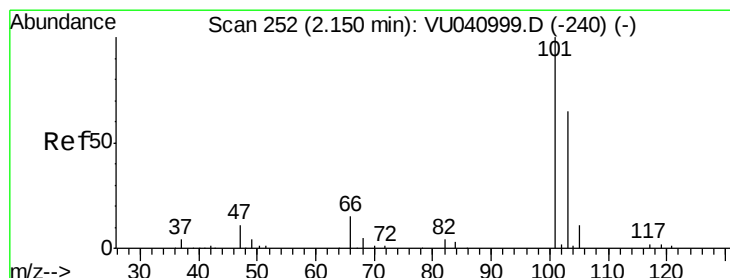
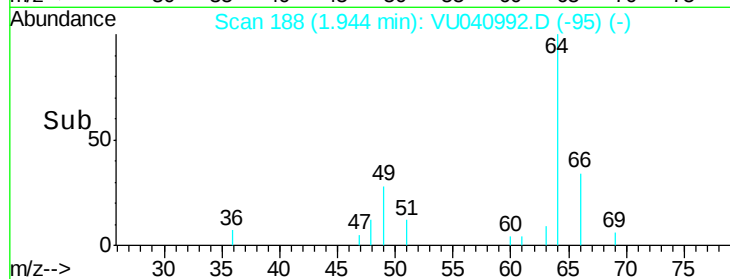
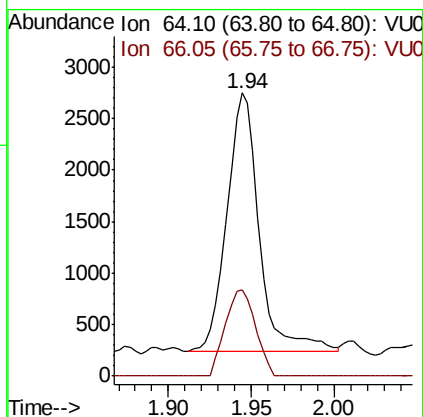
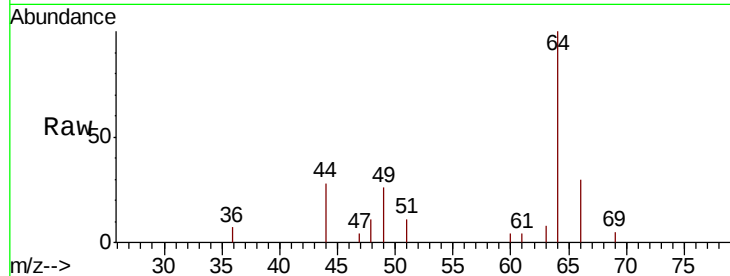




#8
 Chloroethane
 Concen: 1.054 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

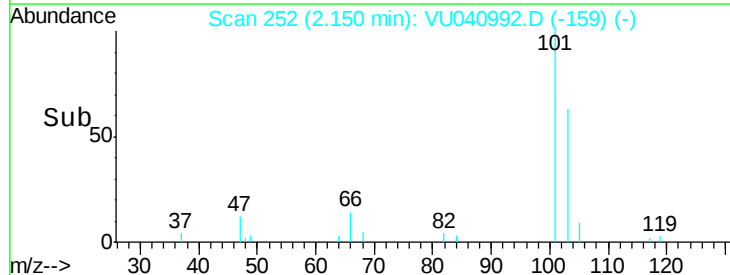
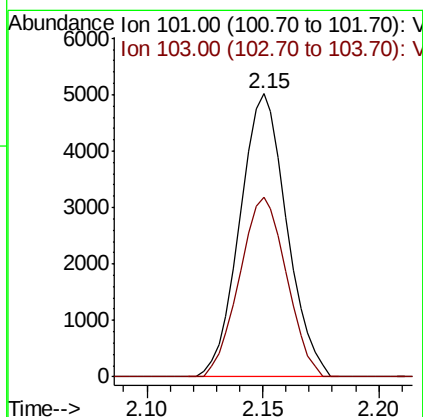
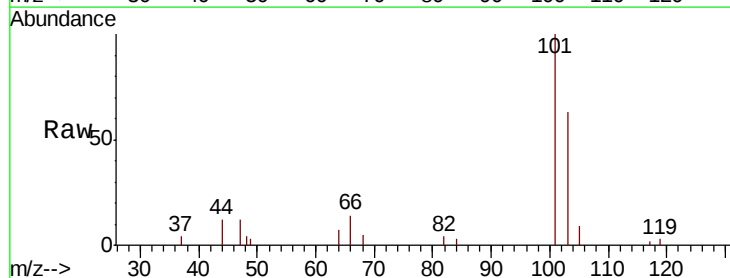
Instrument :
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 VSTD00103

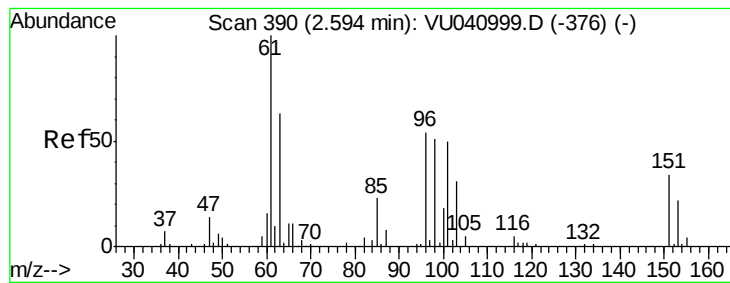
Tot Ion: 64 Resp: 3415
 Ion Ratio Lower Upper
 64 100
 66 30.5 23.4 43.6



#9
 Trichlorofluoromethane
 Concen: 0.958 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion: 101 Resp: 7058
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.0 76.4





#10

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

Concen: 0.915 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

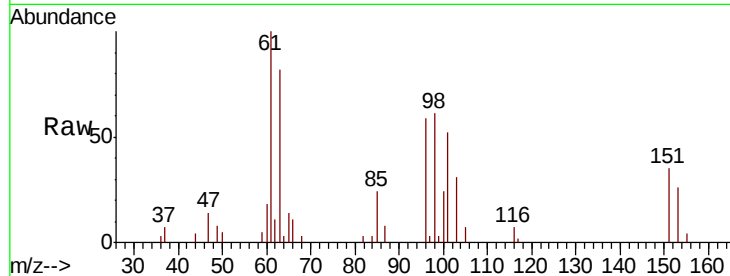
Tot Ion:101 Resp: 4109

Ion Ratio Lower Upper

101 100

85 45.9 38.1 57.1

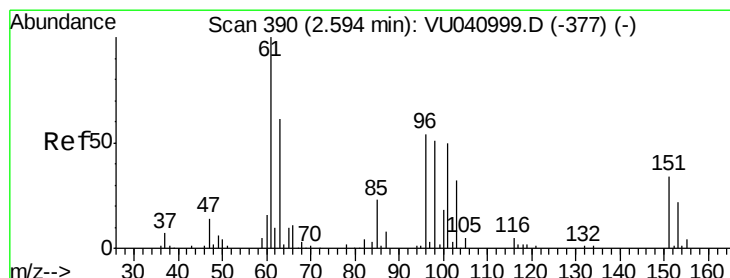
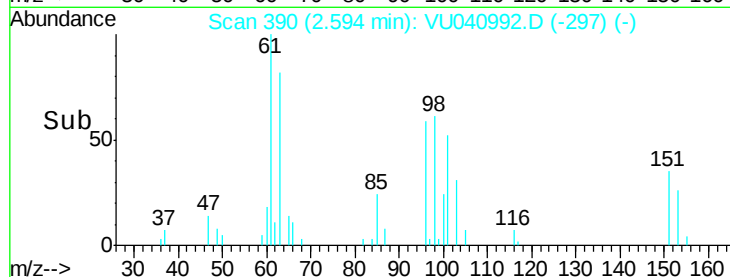
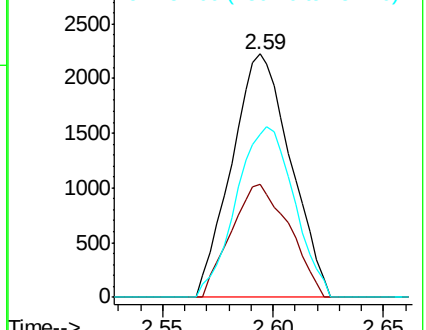
151 69.0 56.0 84.0



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: 0.939 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

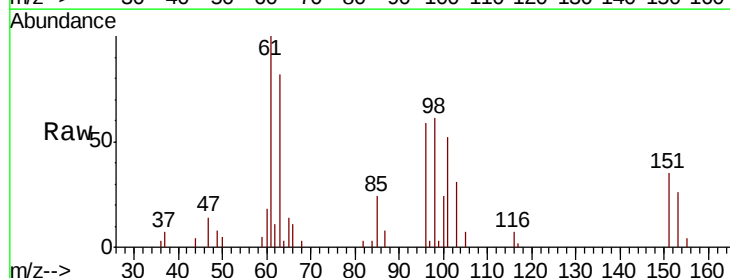
Tgt Ion: 96 Resp: 3954

Ion Ratio Lower Upper

96 100

61 168.8 130.2 241.8

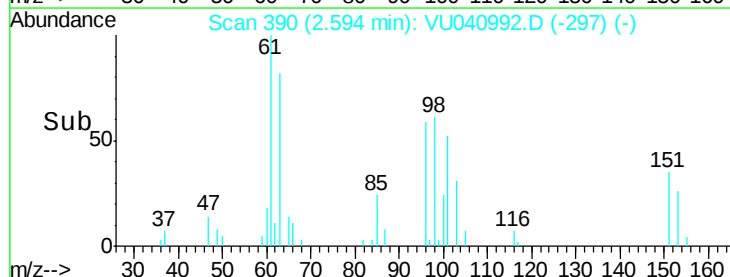
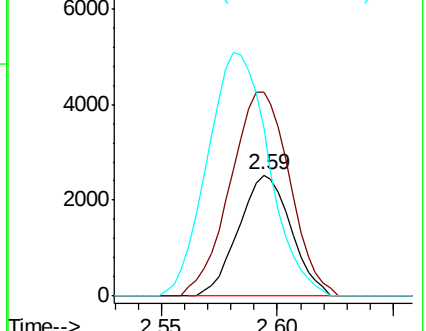
63 138.7 83.7 155.5

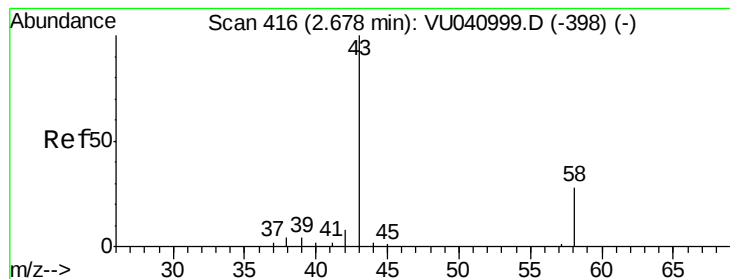


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.769 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

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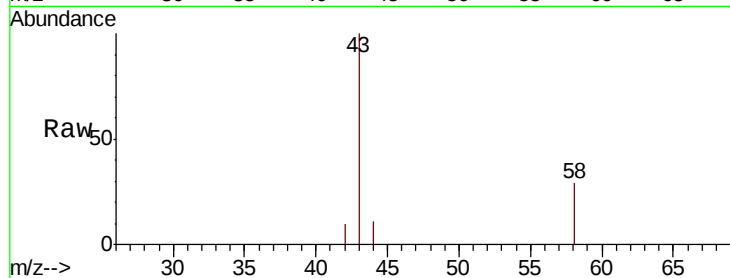
VSTD00103

Tot Ion: 43 Resp: 9056

Ion Ratio Lower Upper

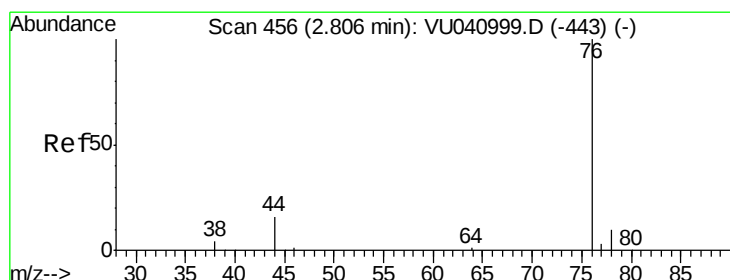
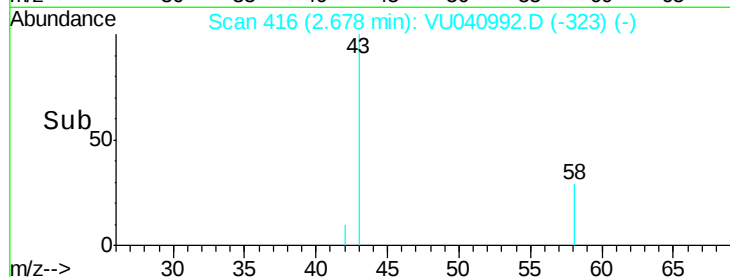
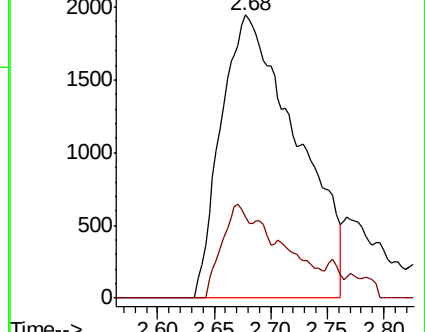
43 100

58 12.5 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU040999.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU040999.D (-398) (-)



#14

Carbon disulfide

Concen: 0.856 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040992.D

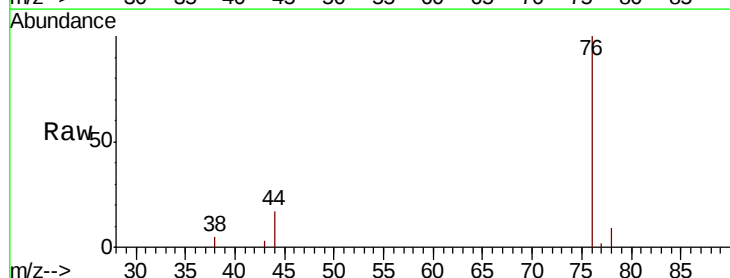
Acq: 28 Oct 2020 11:06

Tgt Ion: 76 Resp: 12388

Ion Ratio Lower Upper

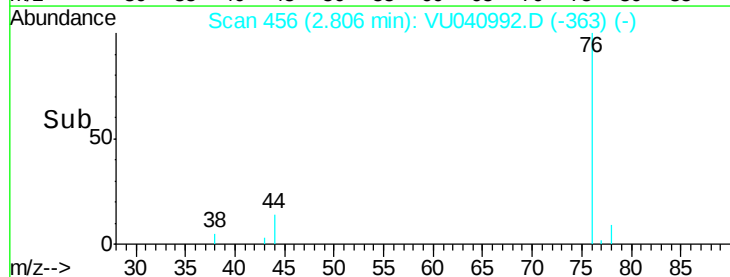
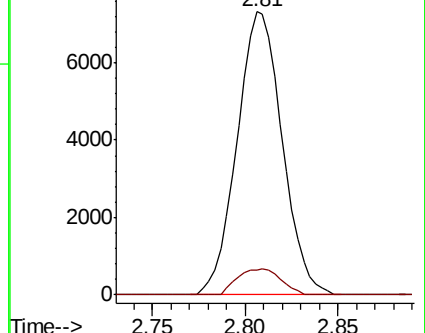
76 100

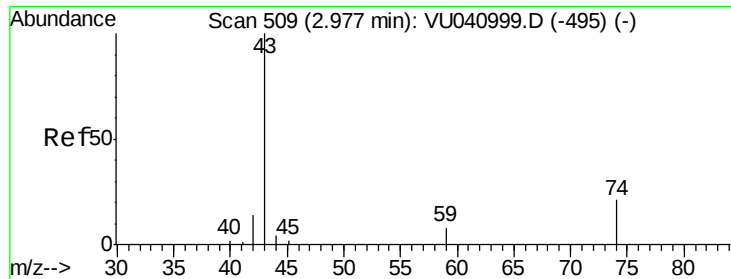
78 8.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU040999.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU040999.D (-443) (-)

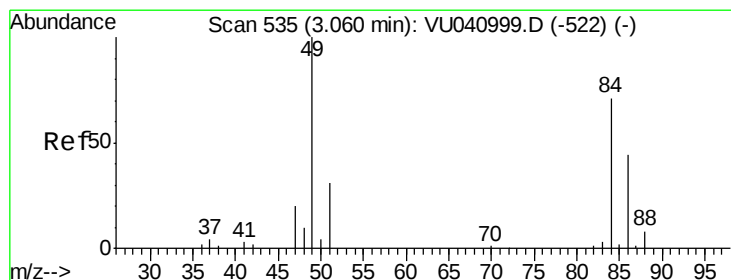
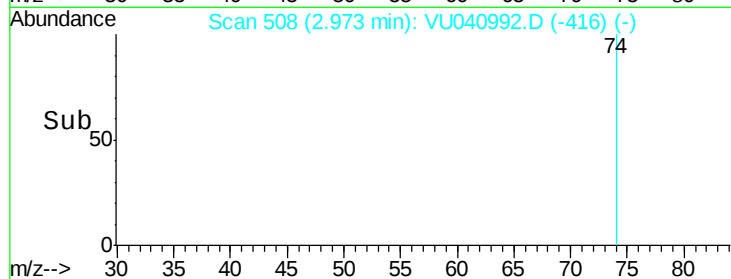
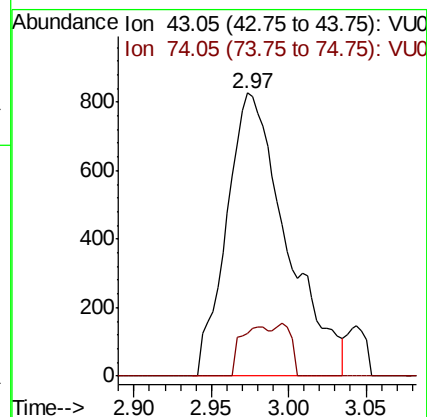
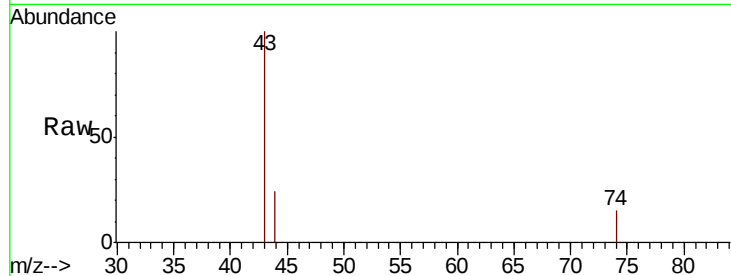




#15
Methvl Acetate
Concen: 0.869 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

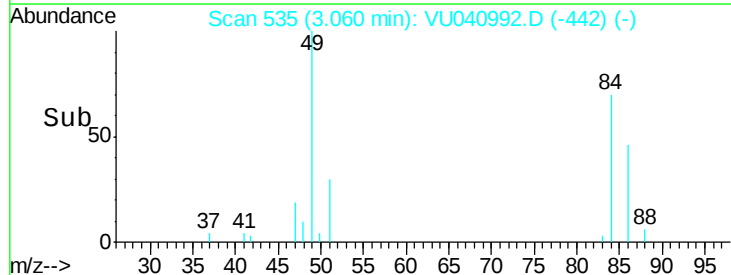
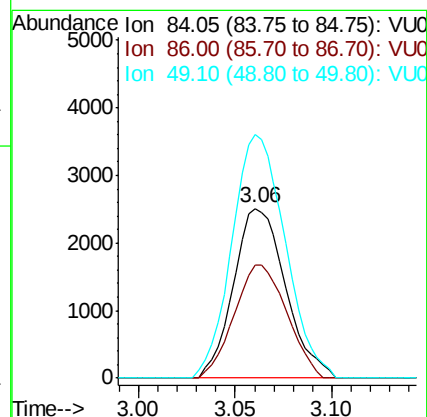
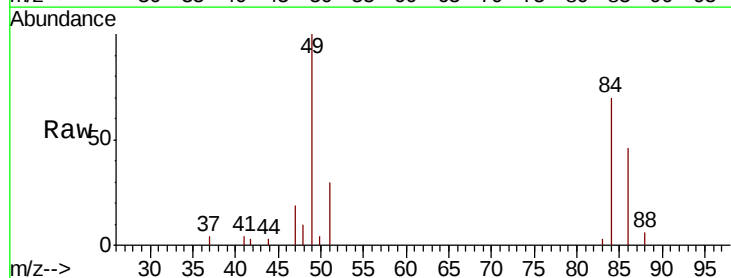
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

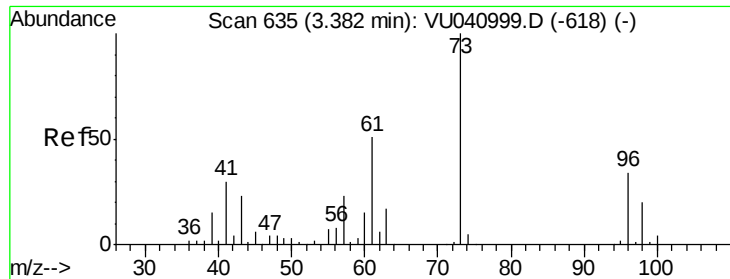
Tot Ion: 43 Resp: 2227
Ion Ratio Lower Upper
43 100
74 9.1 15.6 23.4#



#16
Methylene chloride
Concen: 0.891 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

Tgt Ion: 84 Resp: 4696
Ion Ratio Lower Upper
84 100
86 66.4 44.2 82.0
49 143.3 99.3 184.3

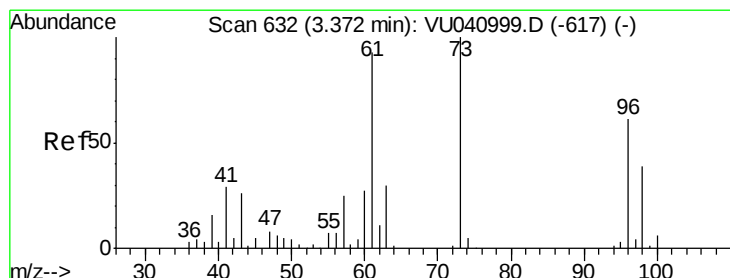
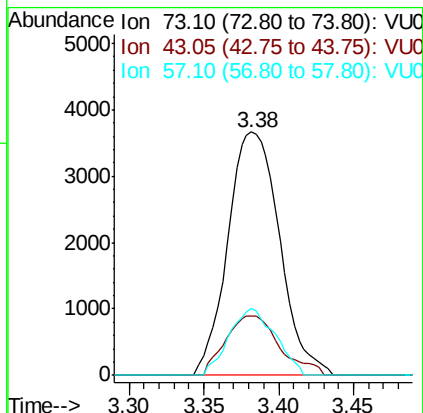
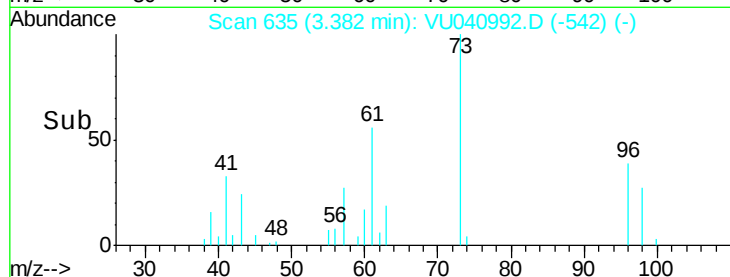
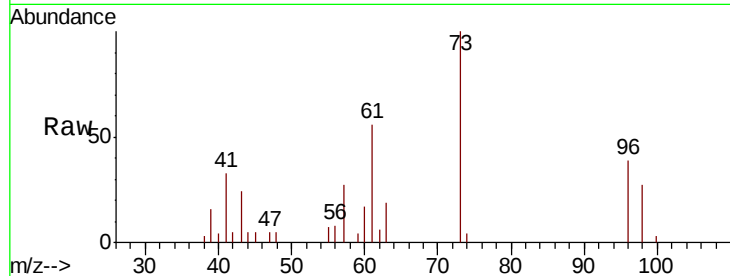




#17
Methvl tert-butvl Ether
Concen: 0.801 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

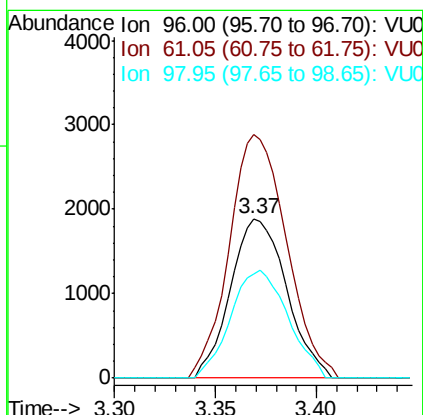
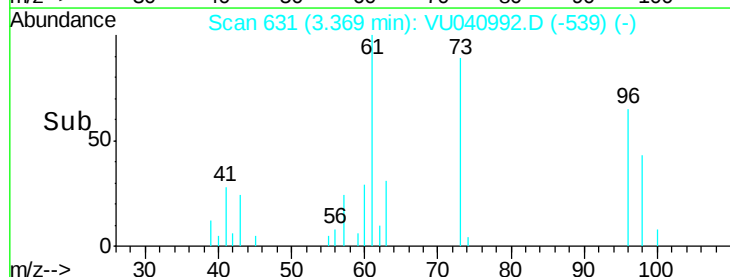
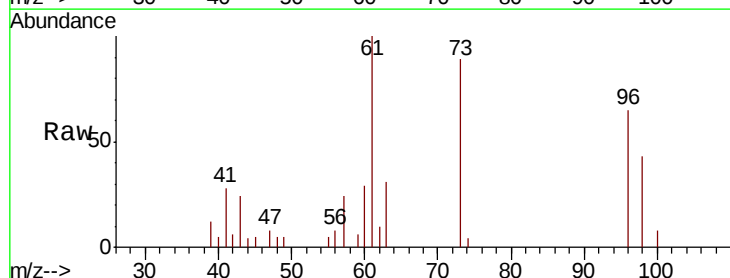
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

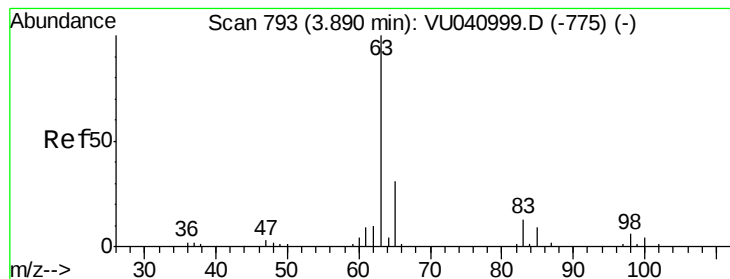
Tot Ion: 73 Resp: 8825
Ion Ratio Lower Upper
73 100
43 25.6 19.5 29.3
57 24.5 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 0.835 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

Tgt Ion: 96 Resp: 3659
Ion Ratio Lower Upper
96 100
61 152.9 107.2 199.0
98 65.7 44.6 82.8





#19

1,1-Dichloroethane

Concen: 0.916 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

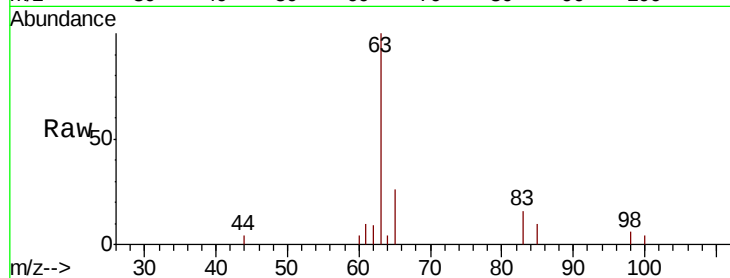
Tot Ion: 63 Resp: 7977

Ion Ratio Lower Upper

63 100

65 25.8 21.8 40.4

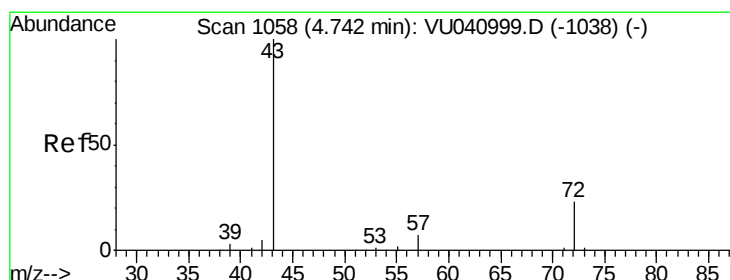
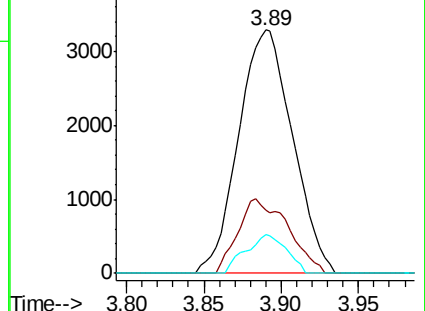
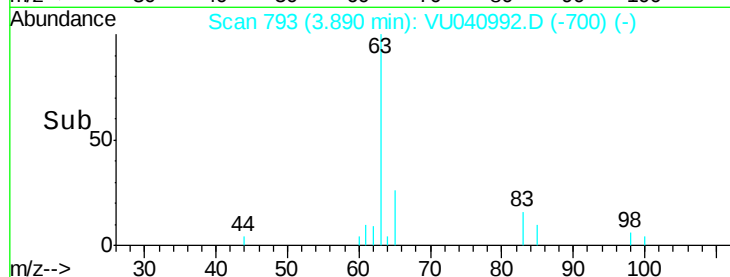
83 15.7 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU040992.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU040992.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU040992.D (-700) (-)



#21

2-Butanone

Concen: 7.695 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU040992.D

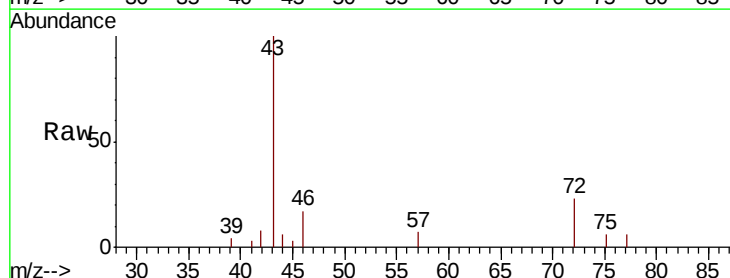
Acq: 28 Oct 2020 11:06

Tgt Ion: 43 Resp: 13035

Ion Ratio Lower Upper

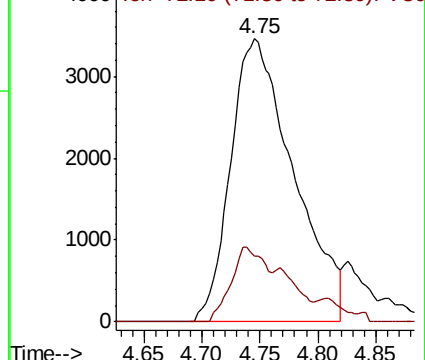
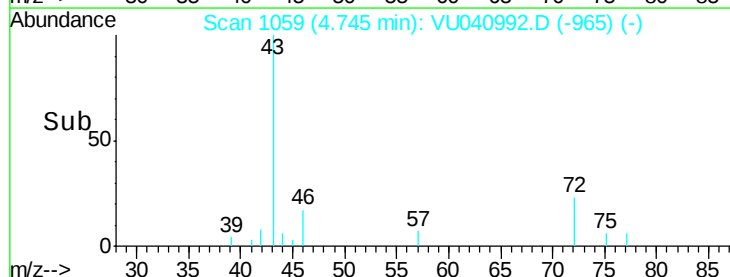
43 100

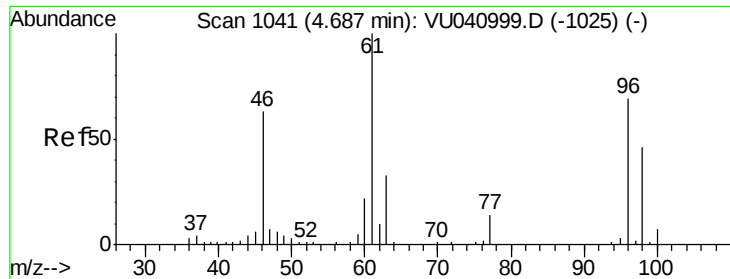
72 14.8 11.6 34.7



Abundance Ion 43.05 (42.75 to 43.75): VU040992.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VU040992.D (-965) (-)

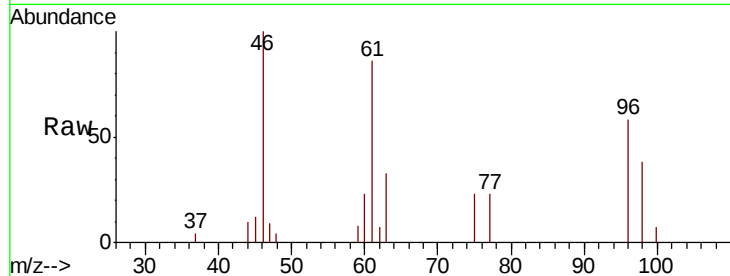




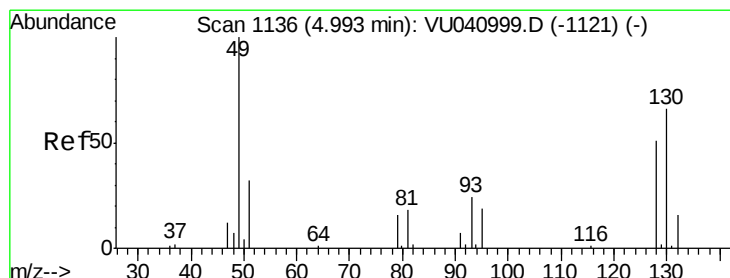
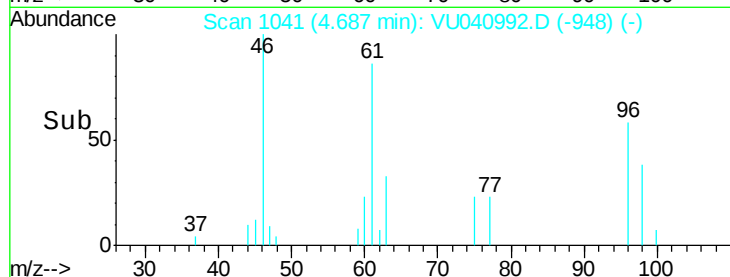
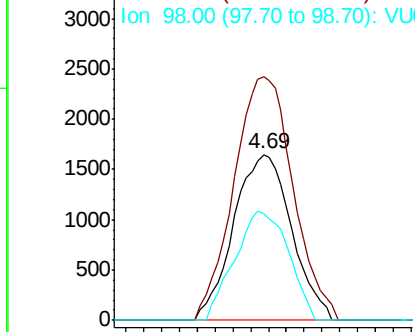
#22
 cis-1,2-Dichloroethene
 Concen: 0.806 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion: 96 Resp: 3716
 Ion Ratio Lower Upper
 96 100
 61 146.8 101.7 188.9
 98 64.6 46.4 86.2

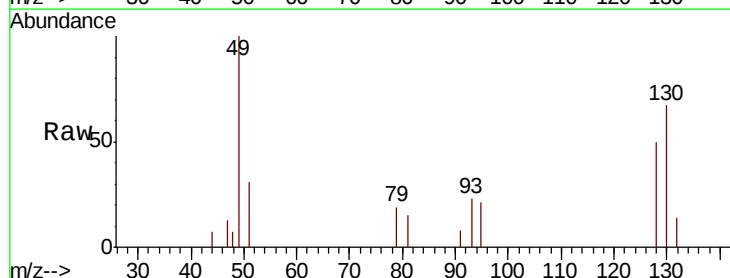


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 98.00 (97.70 to 98.70): VU0

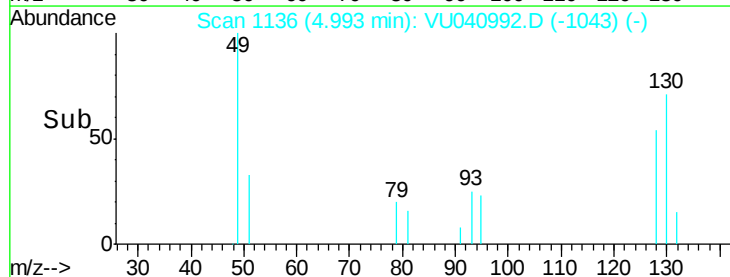
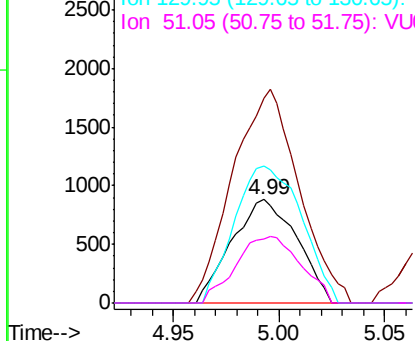


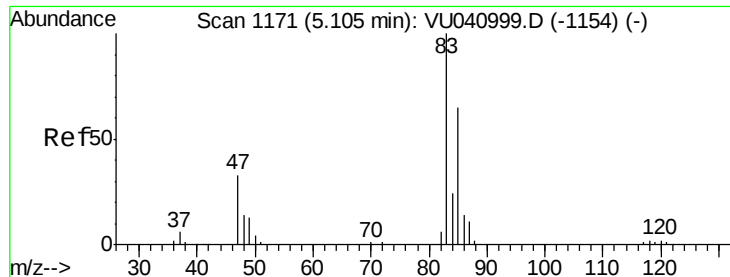
#23
 Bromochloromethane
 Concen: 0.870 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion: 128 Resp: 1895
 Ion Ratio Lower Upper
 128 100
 49 198.4 137.5 255.4
 130 132.6 90.2 167.4
 51 62.4 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

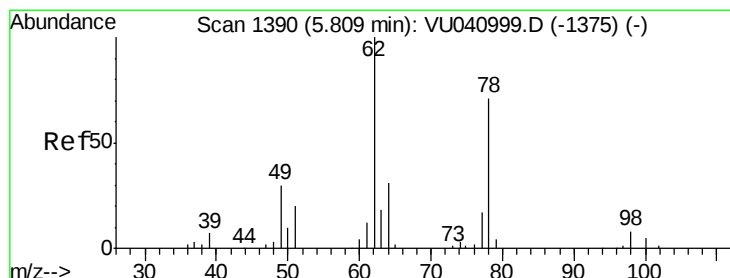
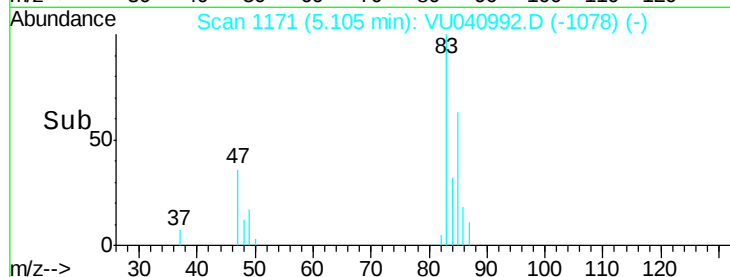
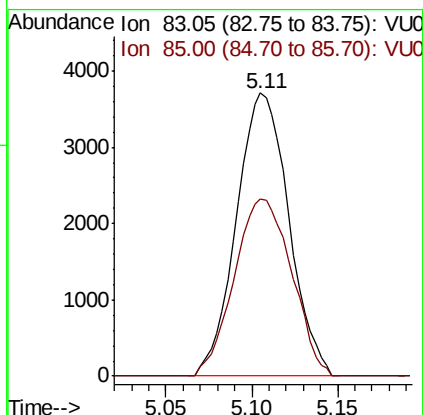
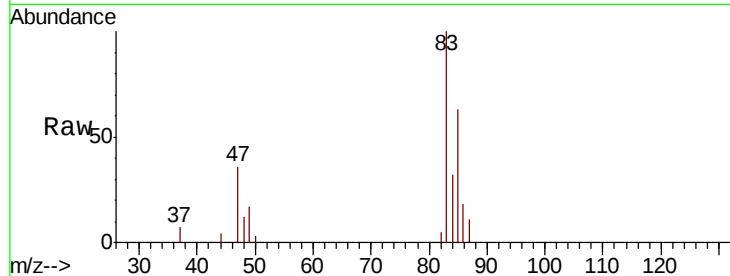




#25
Chloroform
Concen: 0.900 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

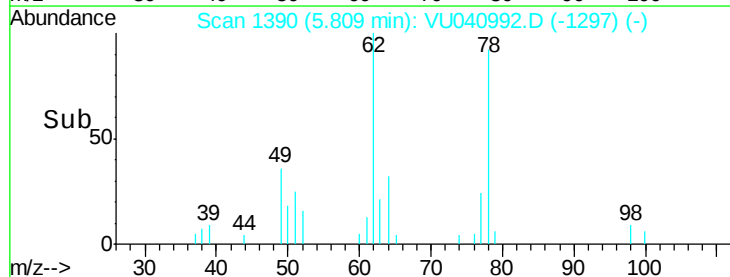
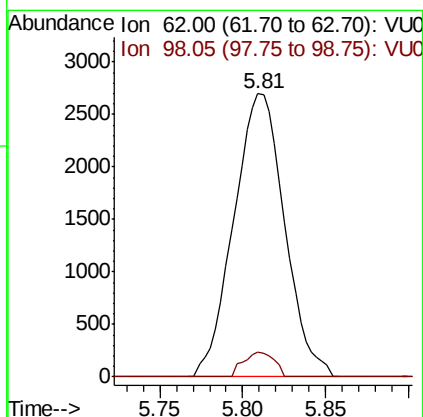
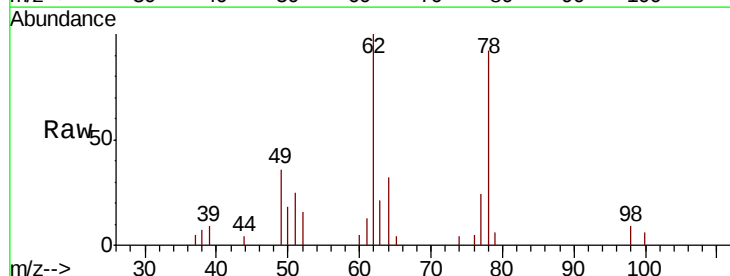
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

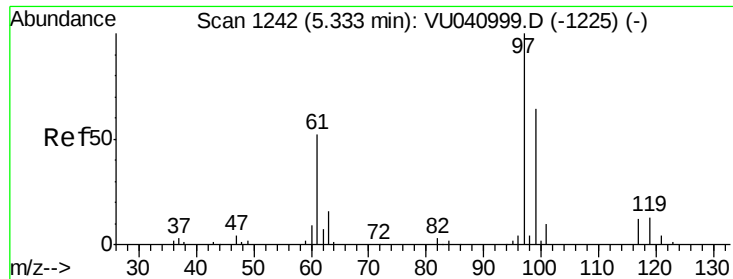
Tot Ion: 83 Resp: 7865
Ion Ratio Lower Upper
83 100
85 62.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.908 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

Tgt Ion: 62 Resp: 5742
Ion Ratio Lower Upper
62 100
98 8.7 6.1 9.1

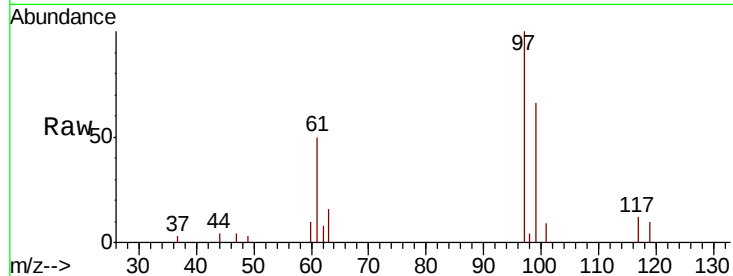




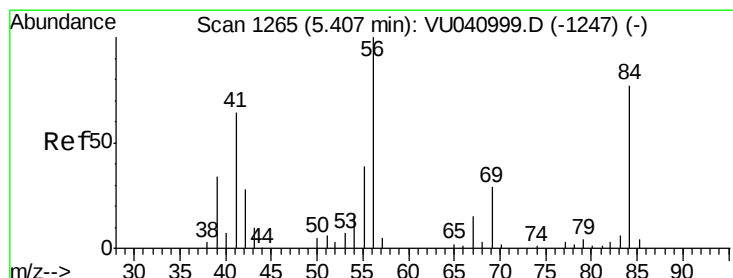
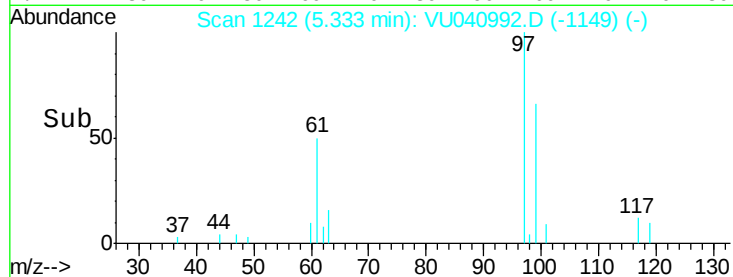
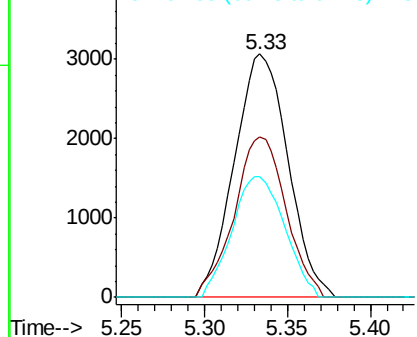
#29
 1,1,1-Trichloroethane
 Concen: 0.869 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion: 97 Resp: 6895
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.2 75.2
 61 48.7 39.6 59.4

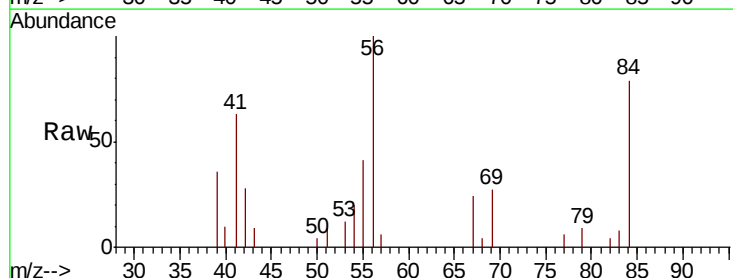


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

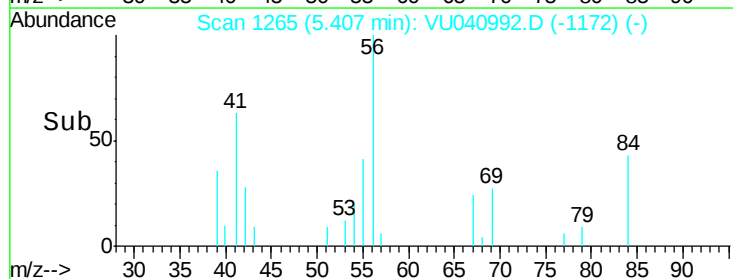
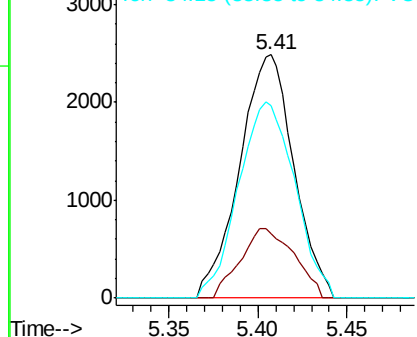


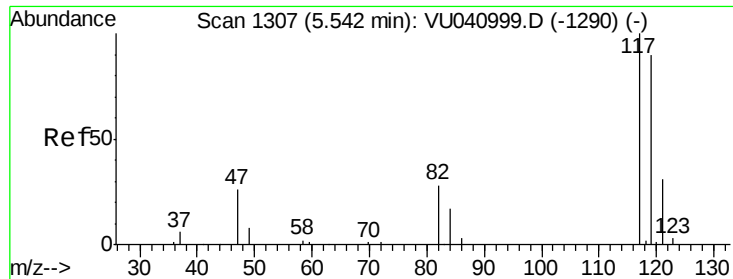
#30
 Cyclohexane
 Concen: 0.627 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion: 56 Resp: 5270
 Ion Ratio Lower Upper
 56 100
 69 28.4 23.2 34.8
 84 83.9 62.9 94.3



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: 0.873 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

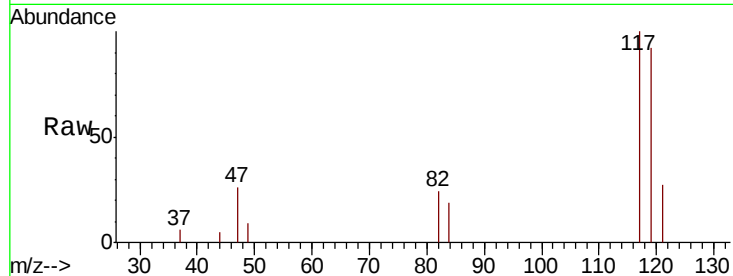
VSTD00103

Tot Ion:117 Resp: 5899

Ion Ratio Lower Upper

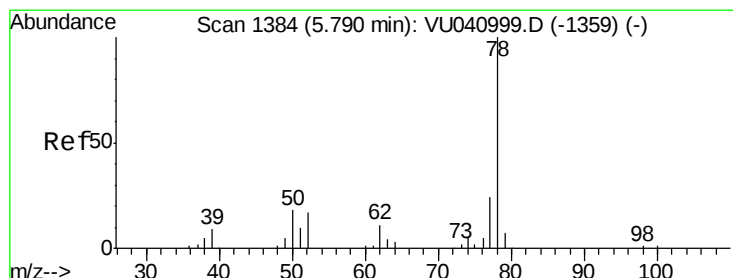
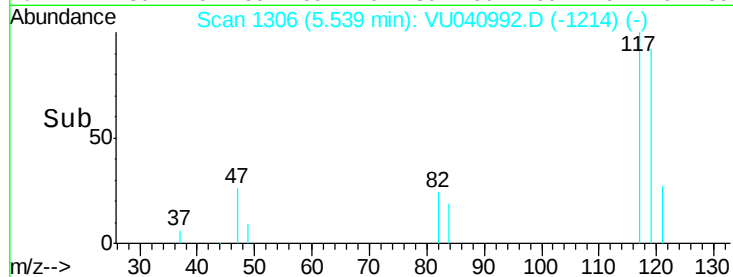
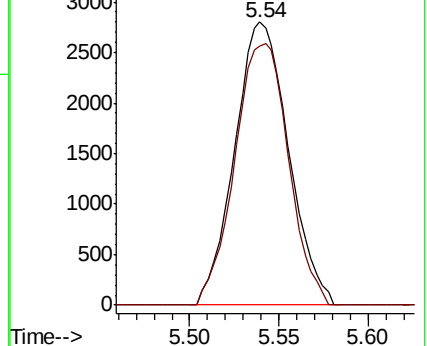
117 100

119 92.2 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: 0.778 ug/L

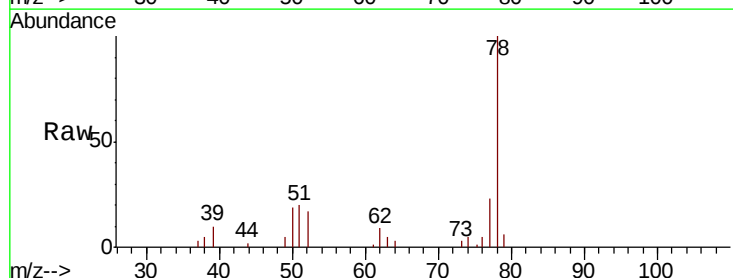
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

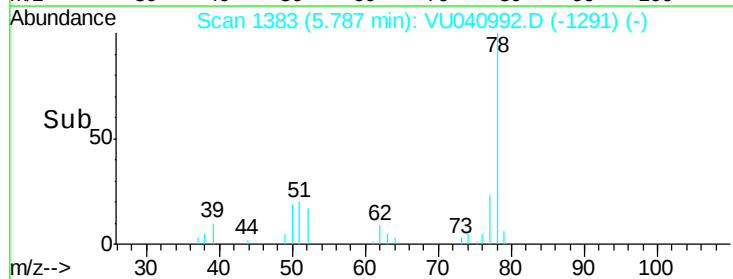
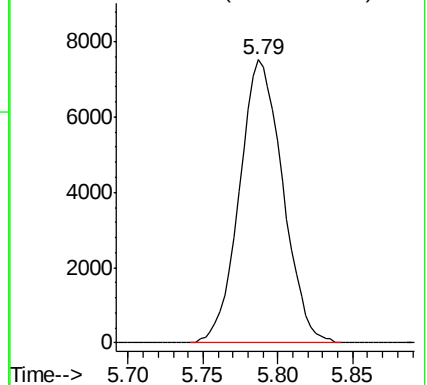
Lab File: VU040992.D

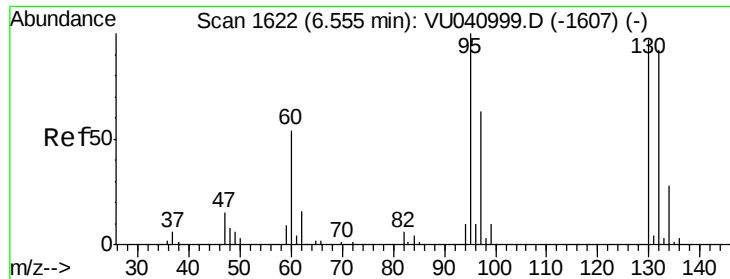
Acq: 28 Oct 2020 11:06

Tgt Ion: 78 Resp: 15144



Abundance Ion 78.10 (77.80 to 78.80): VU0

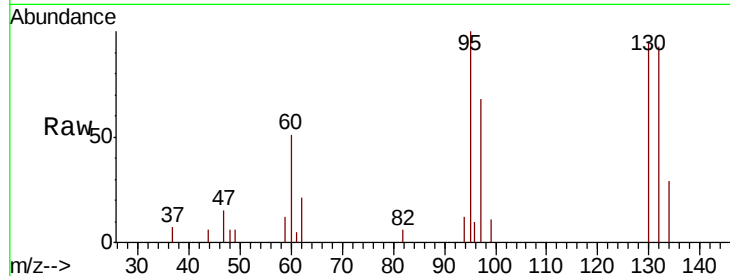




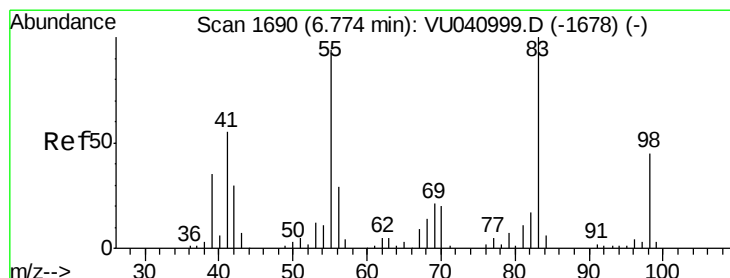
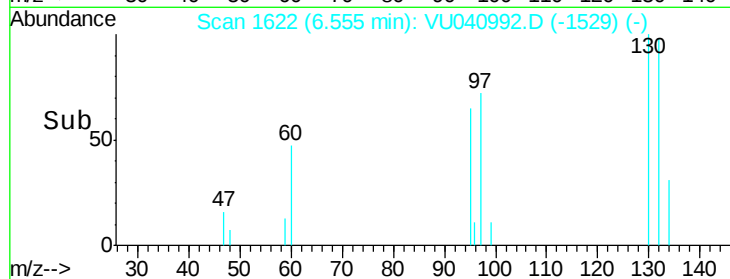
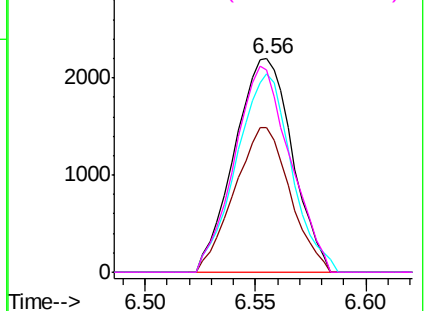
#34
 Trichloroethene
 Concen: 0.797 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion: 95 Resp: 4009
 Ion Ratio Lower Upper
 95 100
 97 68.0 43.8 81.4
 132 93.2 64.5 119.7
 130 94.7 67.6 125.6

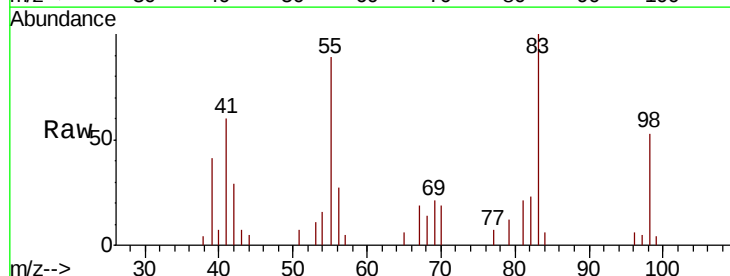


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

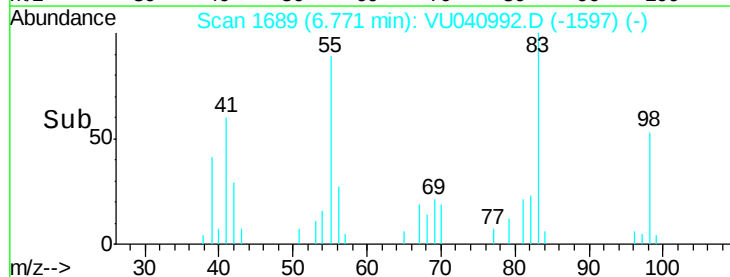
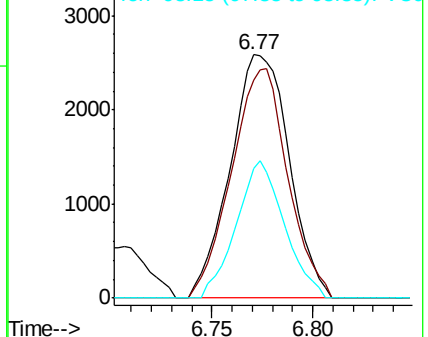


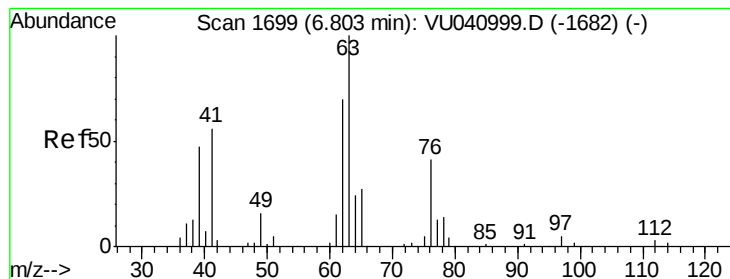
#35
 Methylcyclohexane
 Concen: 0.681 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion: 83 Resp: 5282
 Ion Ratio Lower Upper
 83 100
 55 89.9 72.7 109.1
 98 45.8 35.7 53.5



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.800 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

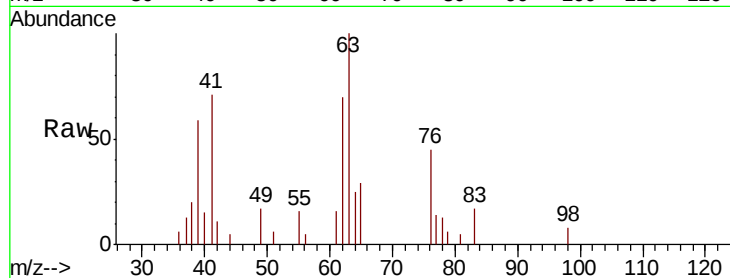
VSTD00103

Tot Ion: 63 Resp: 4369

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU040992.D (-1606) (-)

Ion 112.10 (111.80 to 112.80): VU040992.D (-1606) (-)

6.80

2500

2000

1500

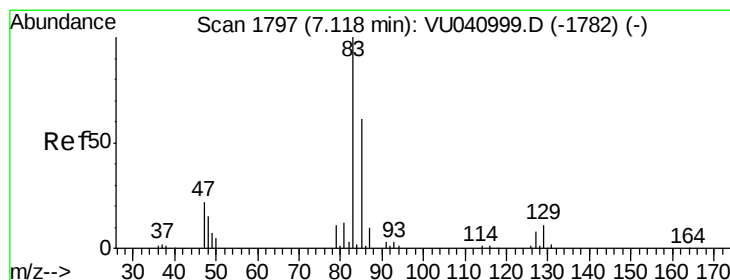
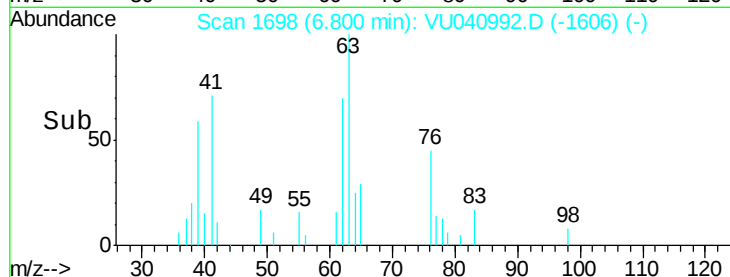
1000

500

0

6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 0.870 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

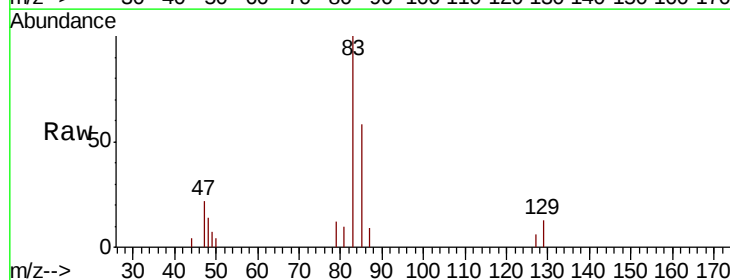
Tgt Ion: 83 Resp: 5763

Ion Ratio Lower Upper

83 100

85 58.2 42.9 79.7

127 5.7 6.2 9.2#



Abundance Ion 82.95 (82.65 to 83.65): VU040992.D (-1704) (-)

Ion 85.00 (84.70 to 85.70): VU040992.D (-1704) (-)

Ion 126.90 (126.60 to 127.60): VU040992.D (-1704) (-)

7.11

4000

3000

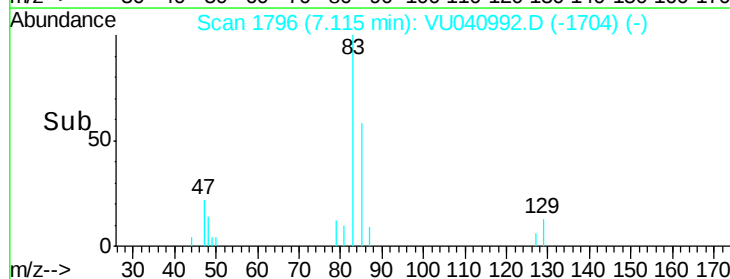
2000

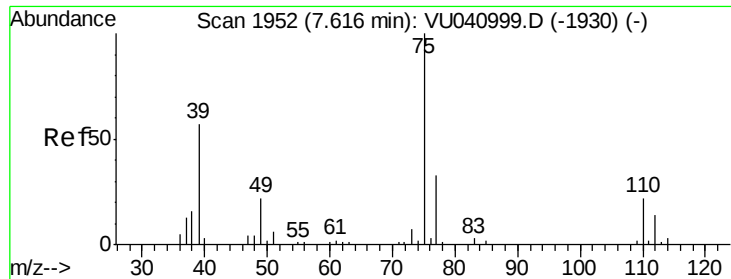
1000

0

7.05 7.10 7.15

Time-->

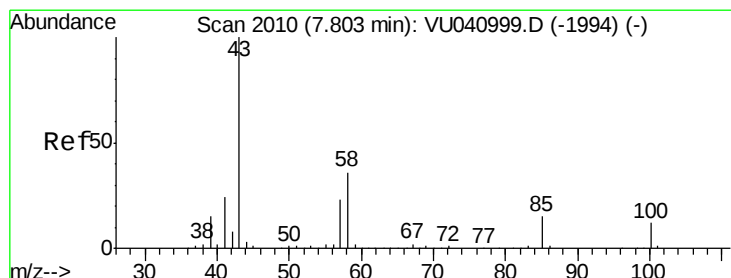
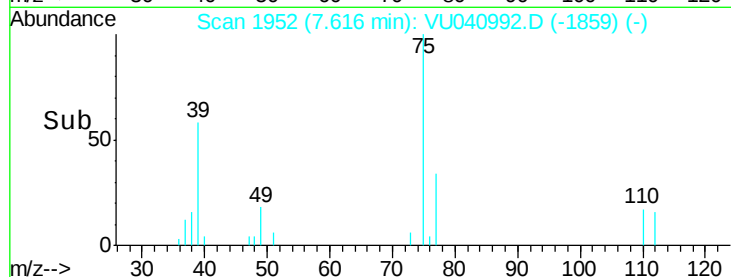
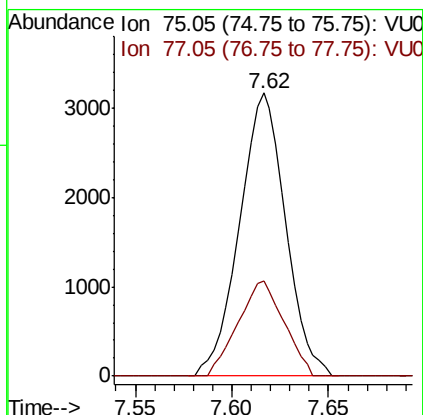
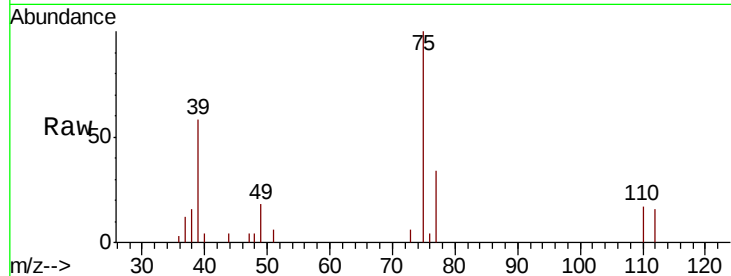




#39
 cis-1,3-Dichloropropene
 Concen: 0.717 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

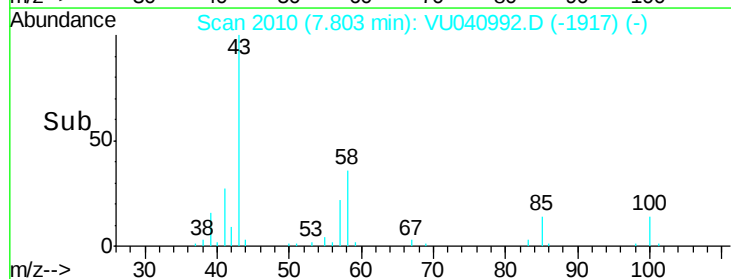
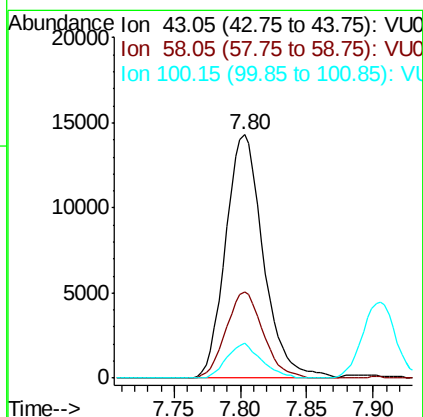
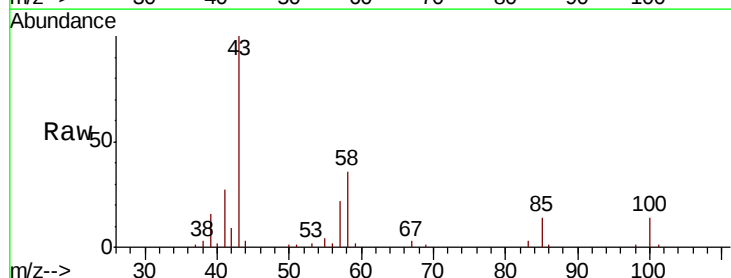
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

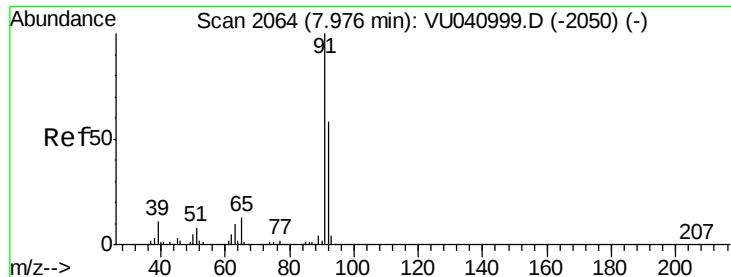
Tot Ion: 75 Resp: 5254
 Ion Ratio Lower Upper
 75 100
 77 33.6 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 6.895 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion: 43 Resp: 28331
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.6 43.0
 100 13.1 9.6 14.4





#42

Toluene

Concen: 0.763 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

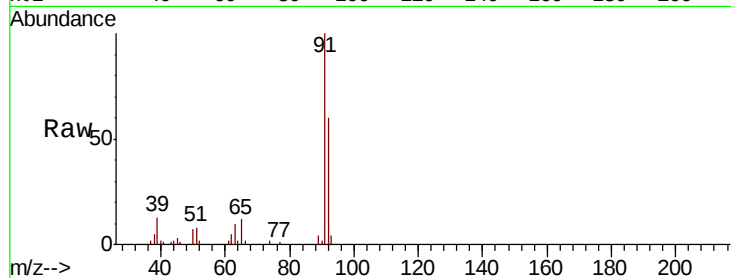
VSTD00103

Tot Ion: 91 Resp: 15034

Ion Ratio Lower Upper

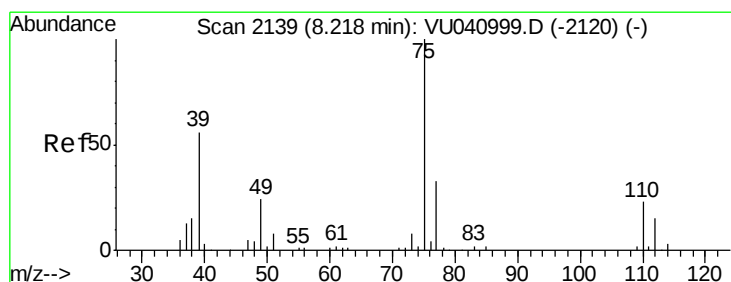
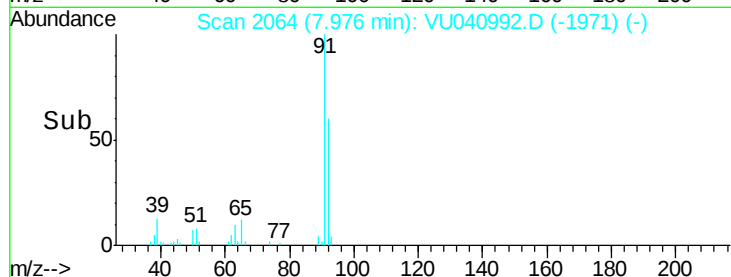
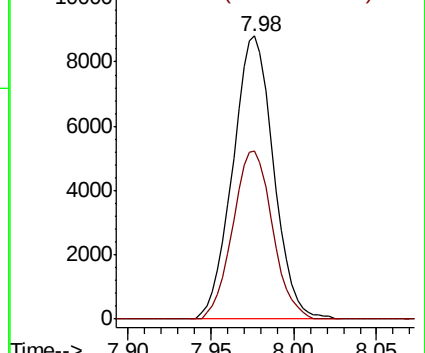
91 100

92 59.6 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VU040992.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU040992.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.730 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040992.D

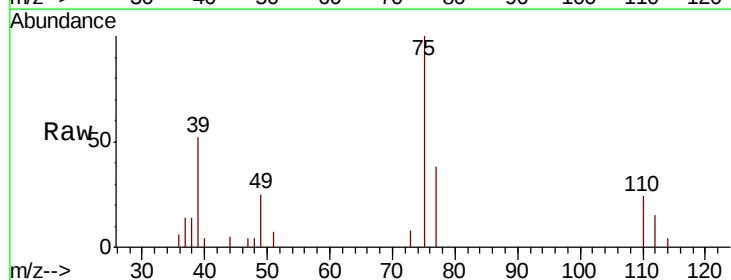
Acq: 28 Oct 2020 11:06

Tgt Ion: 75 Resp: 4947

Ion Ratio Lower Upper

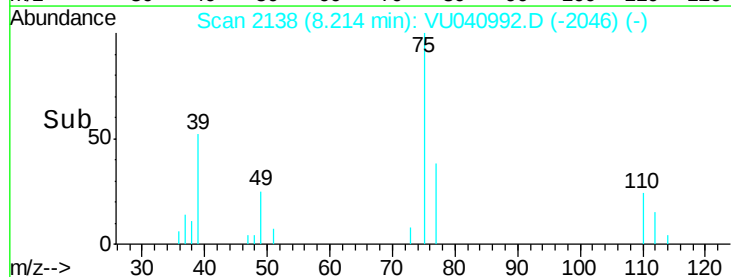
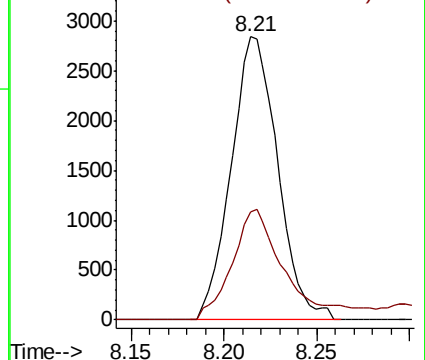
75 100

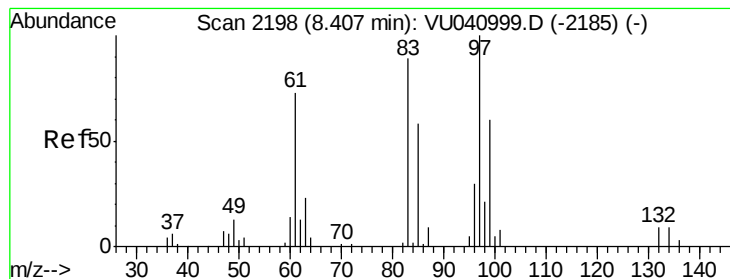
77 38.3 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU040992.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU040992.D (-2046) (-)





#45

1,1,2-Trichloroethane

Concen: 0.838 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tot Ion: 97 Resp: 3112

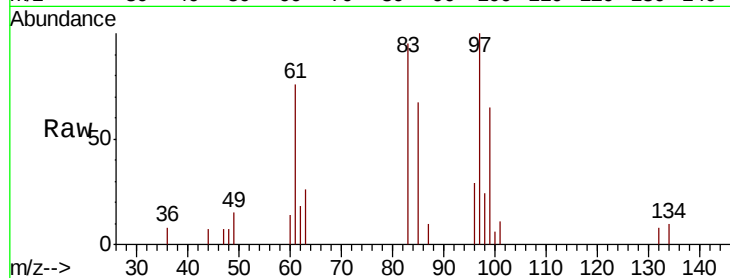
Ion Ratio Lower Upper

97 100

99 65.3 41.8 77.6

83 94.6 62.2 115.6

85 66.7 40.3 74.8

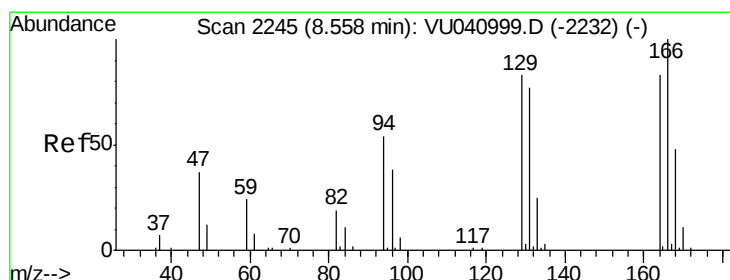
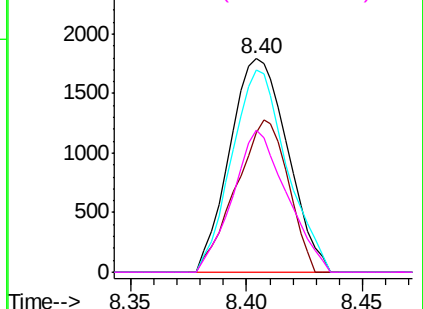
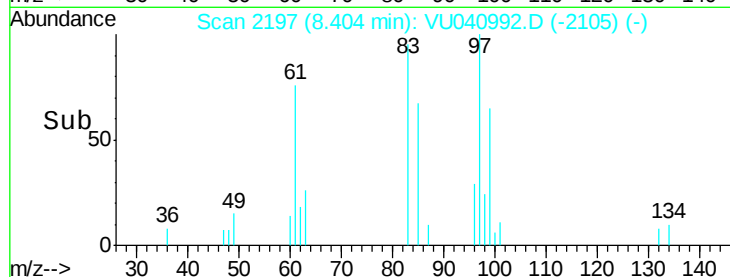


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.904 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Tgt Ion: 164 Resp: 3301

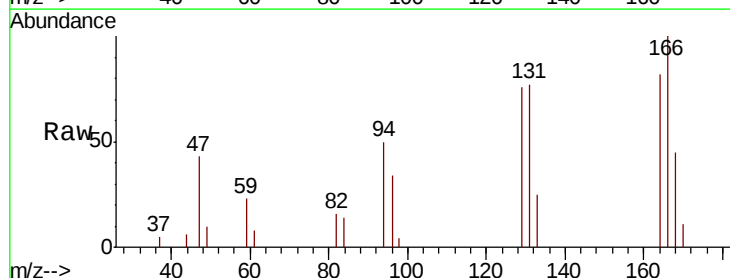
Ion Ratio Lower Upper

164 100

129 92.5 69.9 129.7

131 94.2 65.0 120.6

166 122.1 84.1 156.1

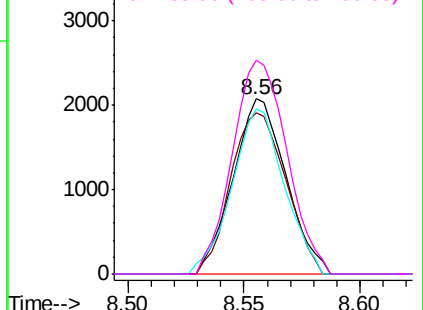
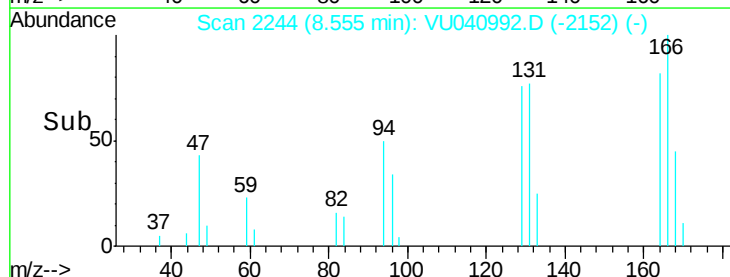


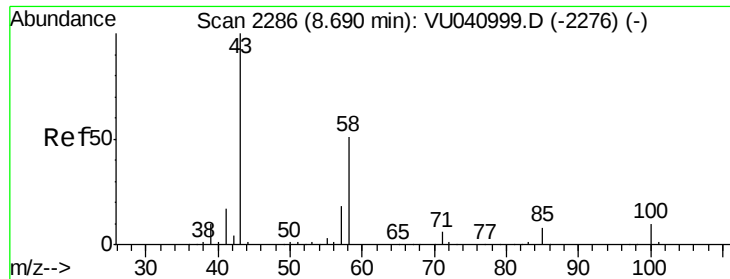
Abundance Ion 163.90 (163.60 to 164.60): V

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

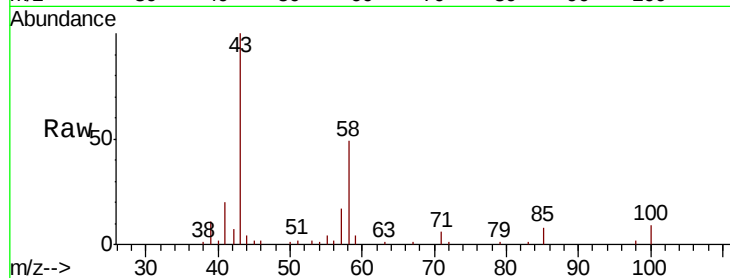




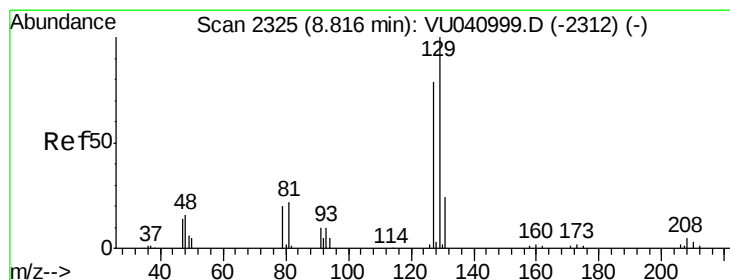
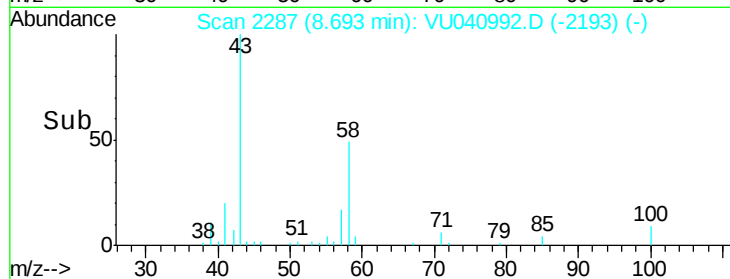
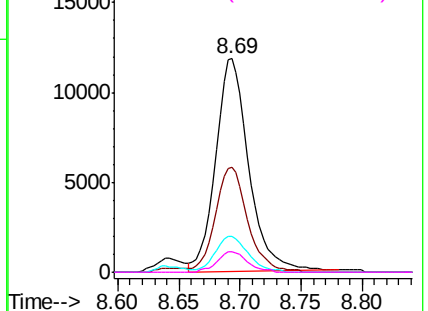
#48
2-Hexanone
Concen: 7.461 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tot Ion: 43 Resp: 22409
Ion Ratio Lower Upper
43 100
58 48.5 39.9 59.9
57 16.9 14.1 21.1
100 9.0 7.5 11.3

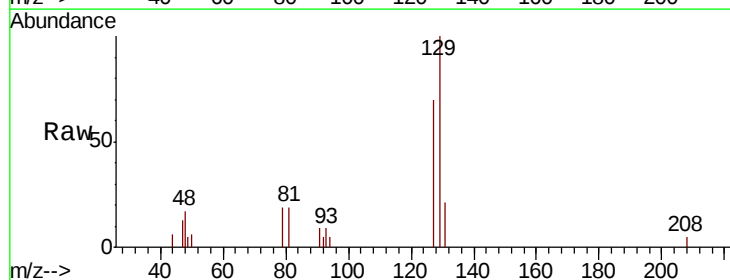


Abundance Ion 43.05 (42.75 to 43.75): VU040999.D (-2276) (-)
Ion 58.05 (57.75 to 58.75): VU040999.D (-2276) (-)
Ion 57.20 (56.90 to 57.90): VU040999.D (-2276) (-)
Ion 100.15 (99.85 to 100.85): VU040999.D (-2276) (-)

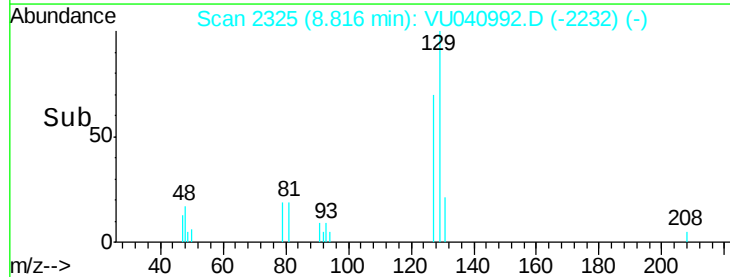
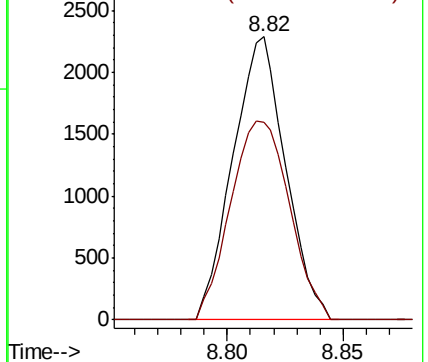


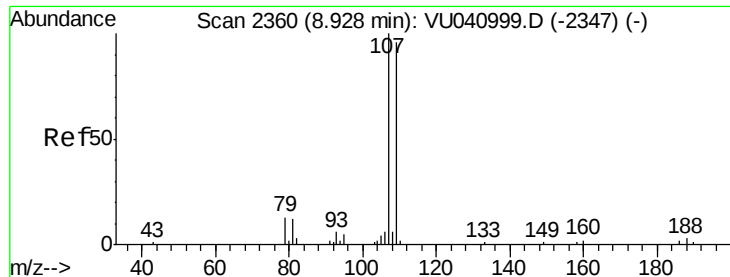
#49
Dibromochloromethane
Concen: 0.846 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

Tgt Ion: 129 Resp: 3610
Ion Ratio Lower Upper
129 100
127 70.0 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): VU040999.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU040999.D (-2312) (-)

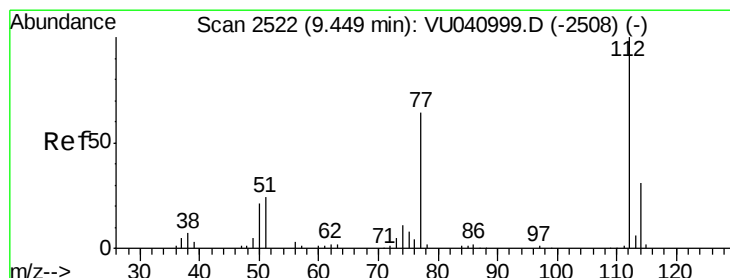
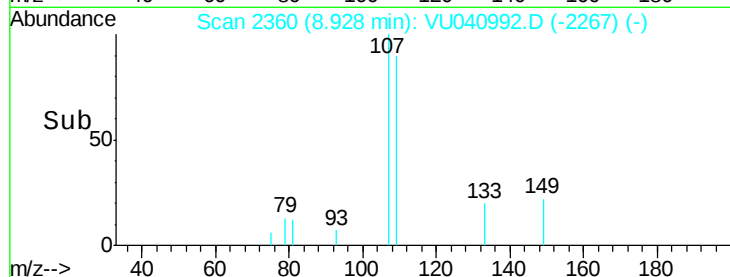
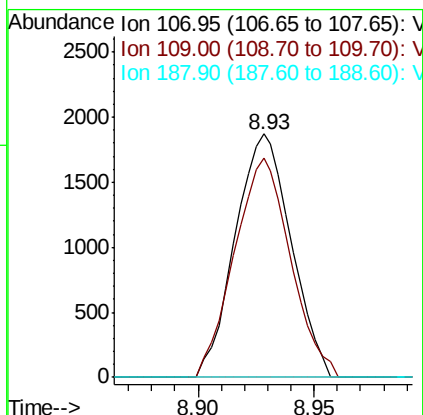
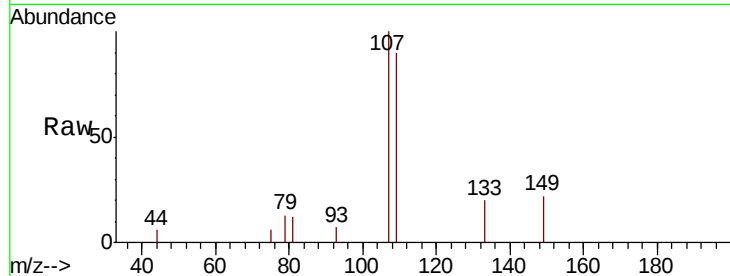




#50
 1,2-Dibromoethane
 Concen: 0.874 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

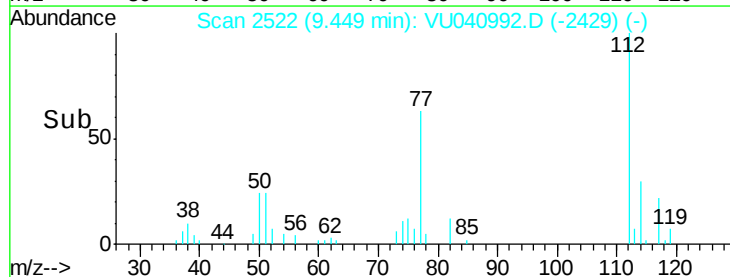
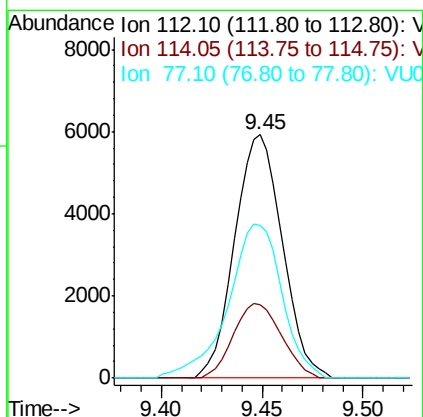
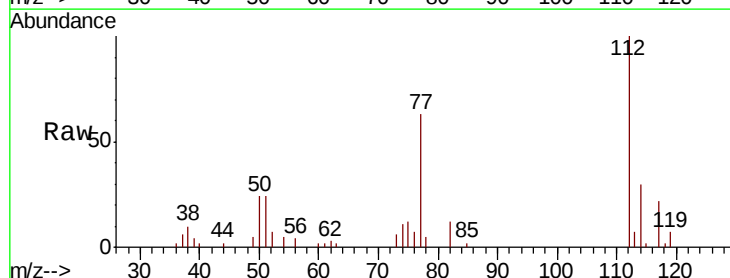
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

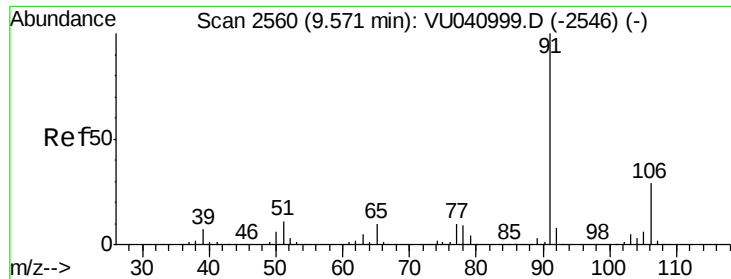
Tot Ion:107 Resp: 3129
 Ion Ratio Lower Upper
 107 100
 109 90.1 67.1 124.5
 188 0.0 2.3 3.5#



#51
 Chlorobenzene
 Concen: 0.777 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion:112 Resp: 9825
 Ion Ratio Lower Upper
 112 100
 114 30.2 21.9 40.7
 77 62.6 51.4 77.2





#52

Ethylbenzene

Concen: 0.706 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

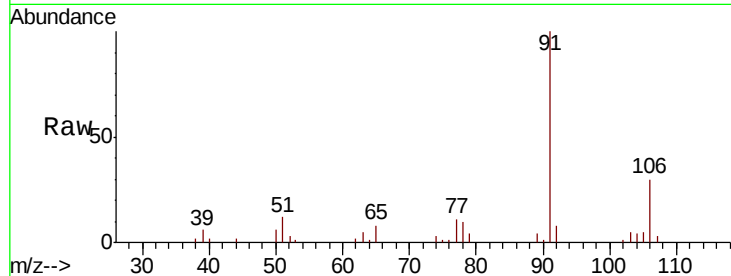
VSTD00103

Tot Ion: 91 Resp: 15175

Ion Ratio Lower Upper

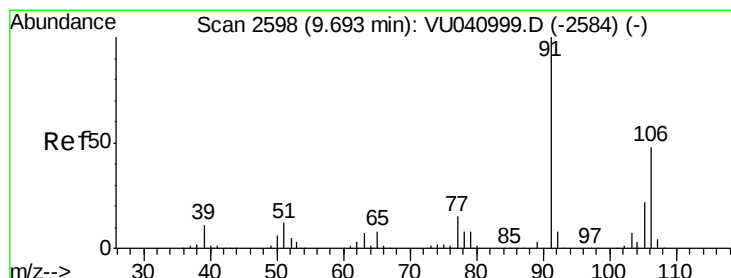
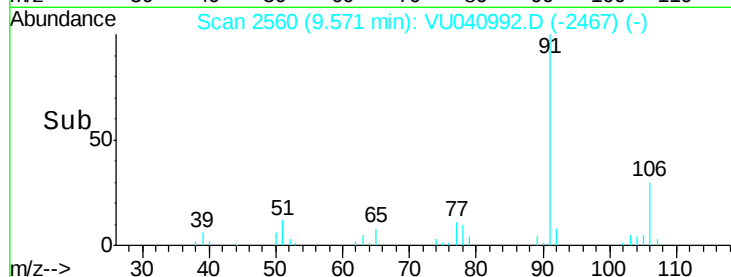
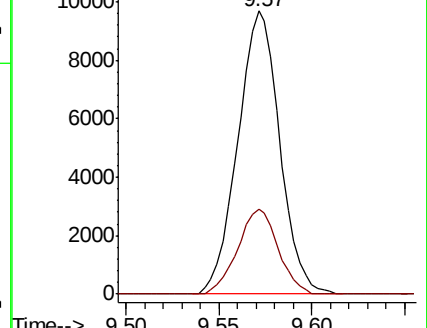
91 100

106 30.0 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU040999.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU040999.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.679 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040992.D

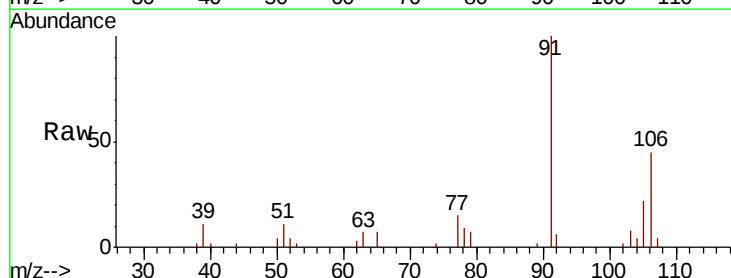
Acq: 28 Oct 2020 11:06

Tgt Ion: 106 Resp: 5253

Ion Ratio Lower Upper

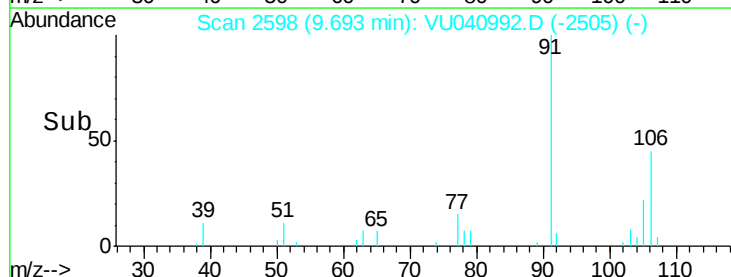
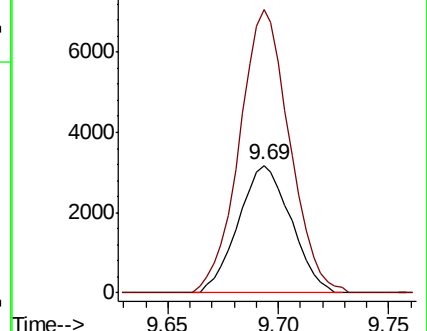
106 100

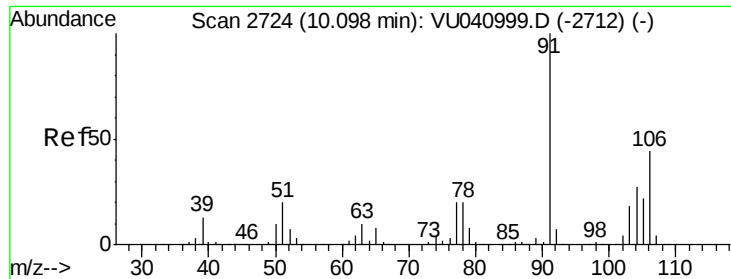
91 221.9 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU040999.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU040999.D (-2584) (-)

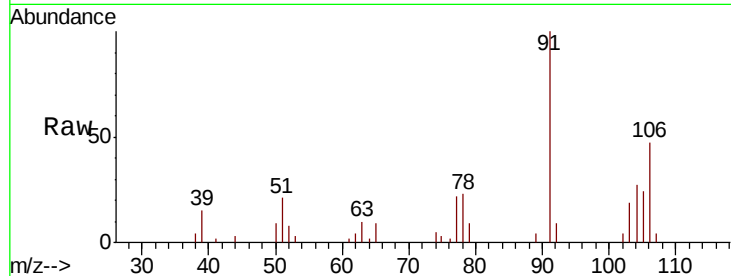




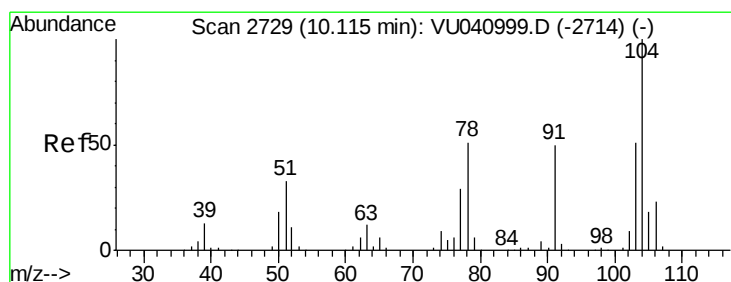
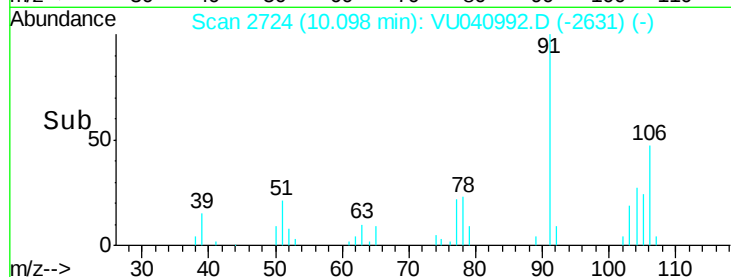
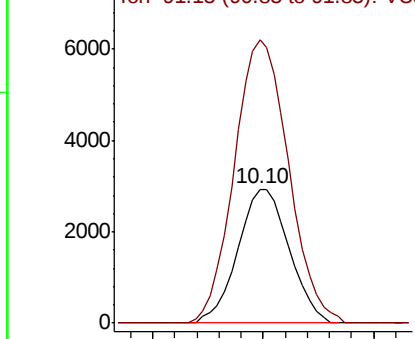
#54
o-Xylene
Concen: 0.636 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tot Ion:106 Resp: 4741
Ion Ratio Lower Upper
106 100
91 211.4 158.3 294.1

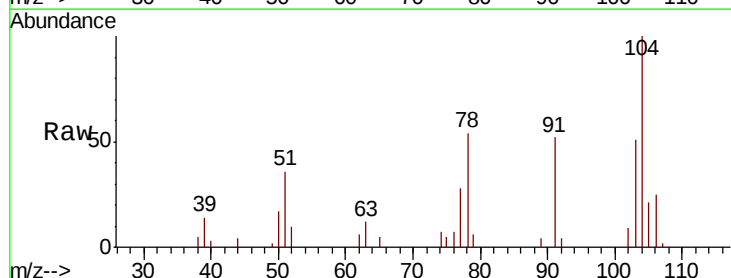


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

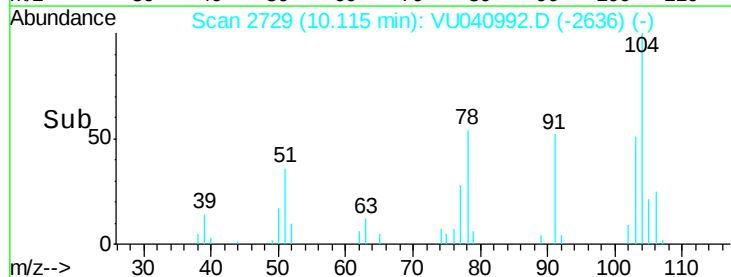
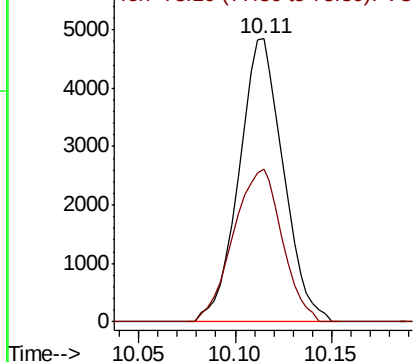


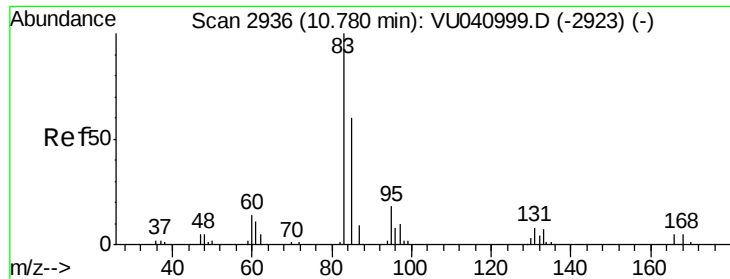
#55
Styrene
Concen: 0.600 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

Tgt Ion:104 Resp: 7721
Ion Ratio Lower Upper
104 100
78 54.1 35.6 66.2



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

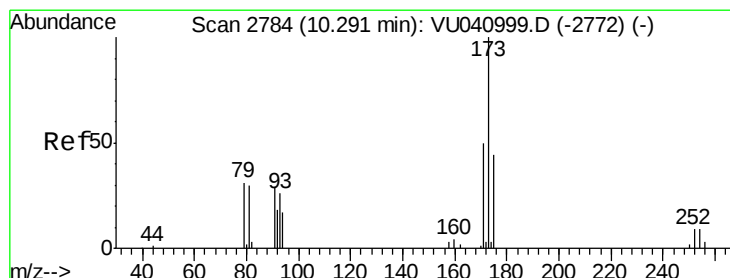
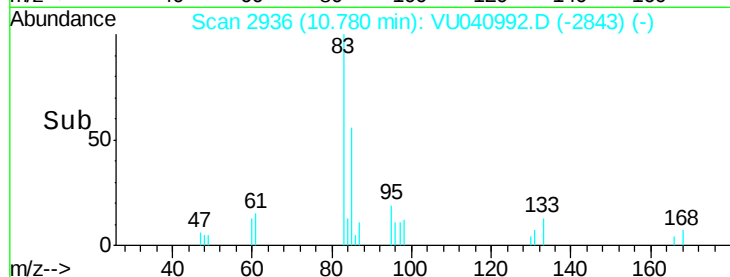
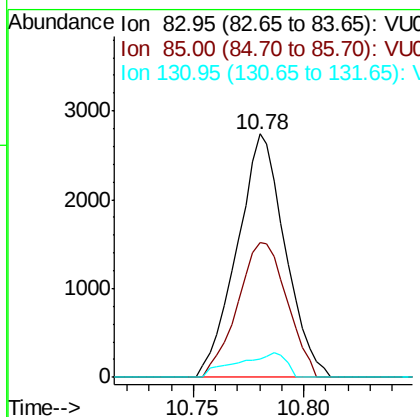
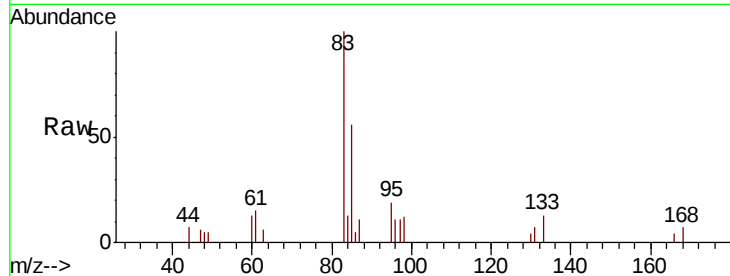




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.845 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

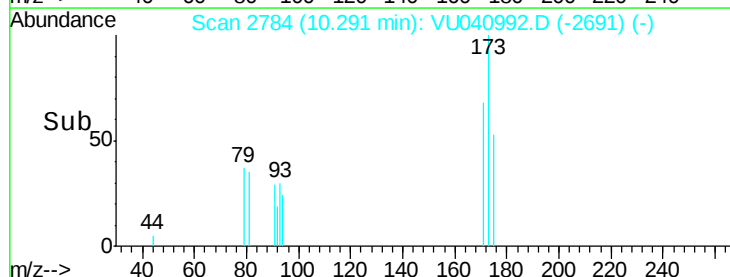
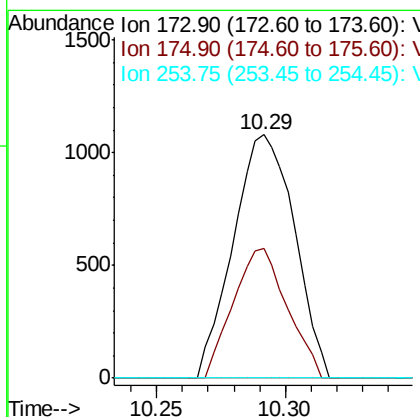
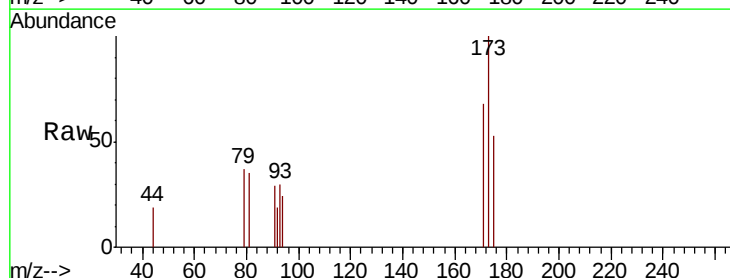
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

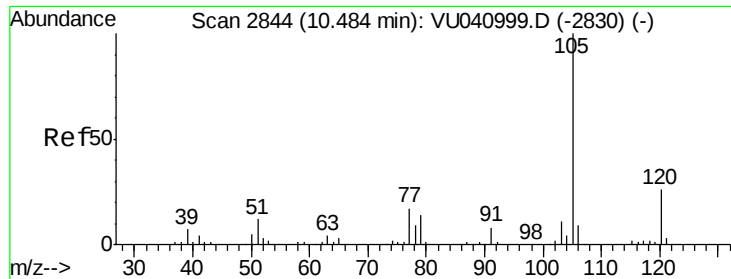
Tot Ion: 83 Resp: 4134
 Ion Ratio Lower Upper
 83 100
 85 55.6 42.1 78.3
 131 7.4 6.7 10.1



#59
 Bromoform
 Concen: 0.868 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion: 173 Resp: 1786
 Ion Ratio Lower Upper
 173 100
 175 47.1 36.7 55.1
 254 0.0 6.5 9.7#





#60

Isopropylbenzene

Concen: 0.742 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

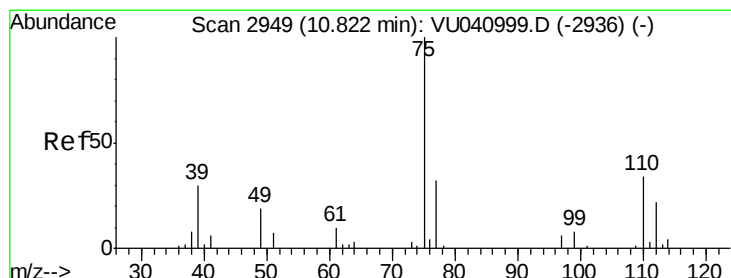
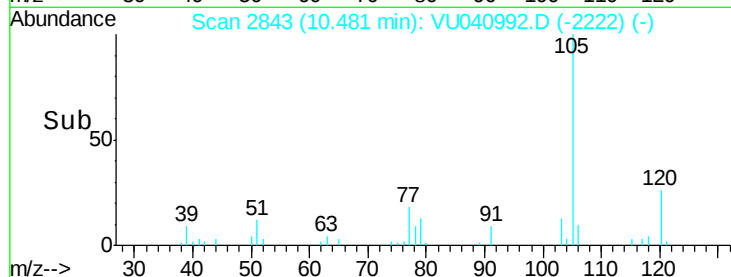
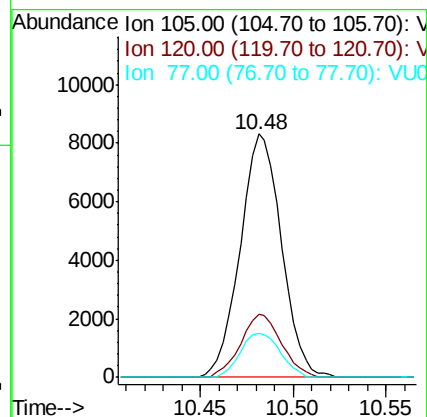
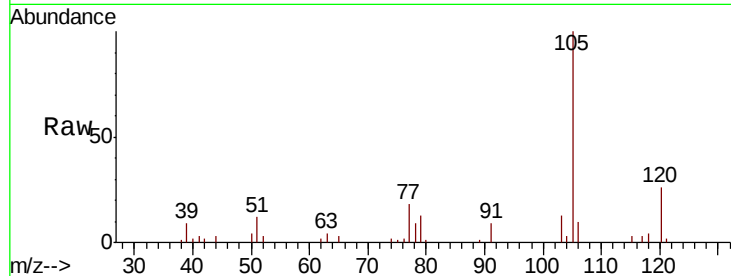
Tot Ion:105 Resp: 12877

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.4

77 17.6 14.4 21.6



#61

1,2,3-Trichloropropane

Concen: 0.937 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040992.D

Acq: 28 Oct 2020 11:06

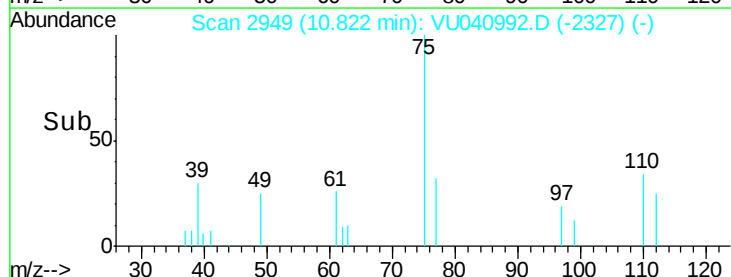
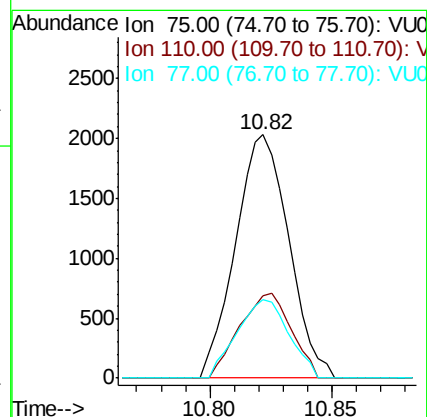
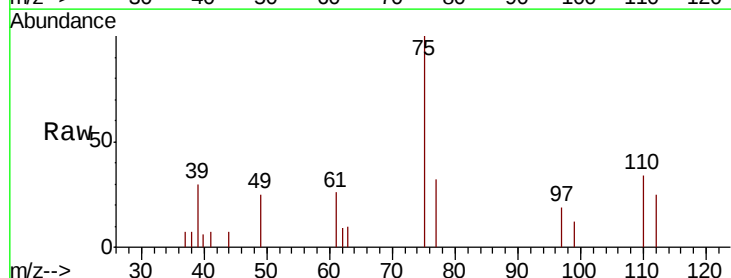
Tgt Ion: 75 Resp: 3077

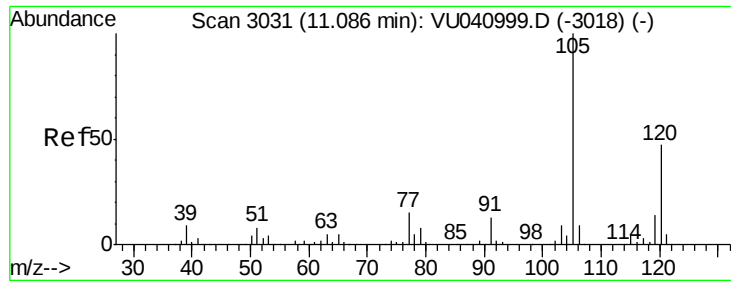
Ion Ratio Lower Upper

75 100

110 33.8 27.5 41.3

77 31.4 24.9 37.3

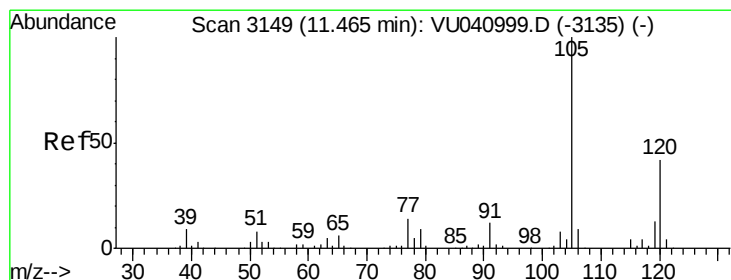
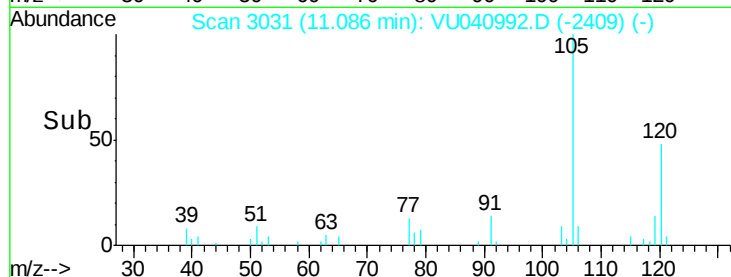
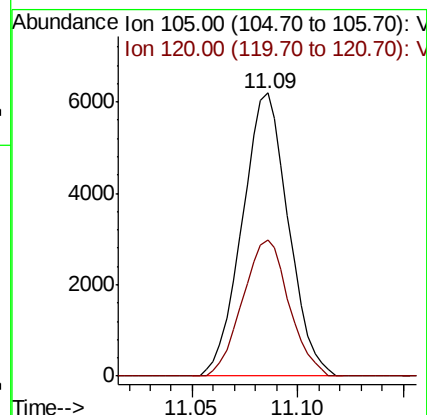
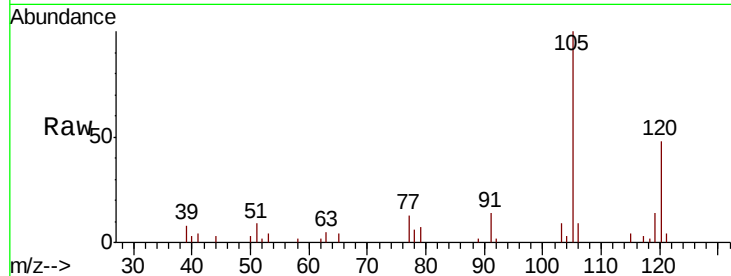




#62
 1,3,5-Trimethylbenzene
 Concen: 0.678 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

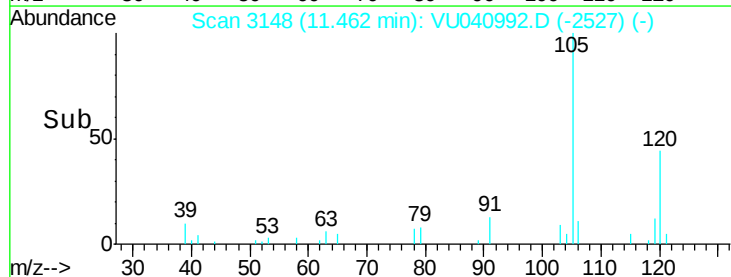
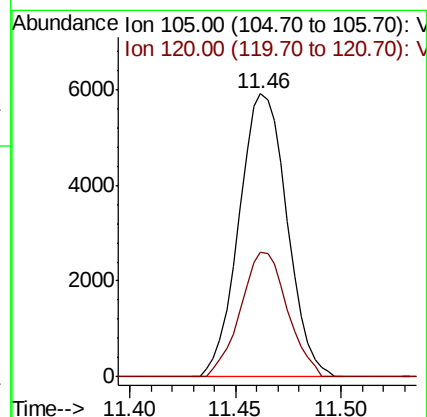
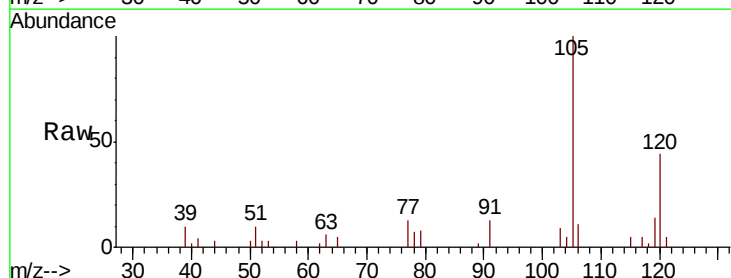
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

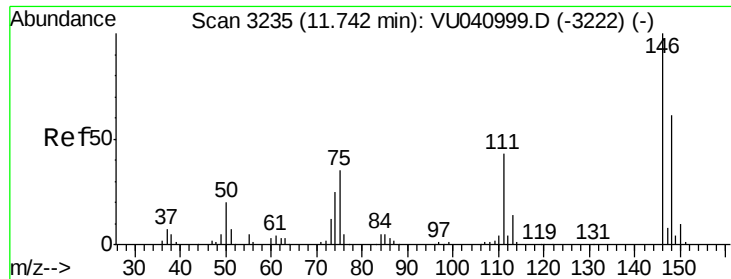
Tot Ion:105 Resp: 9432
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 0.659 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion:105 Resp: 9325
 Ion Ratio Lower Upper
 105 100
 120 42.8 34.6 52.0

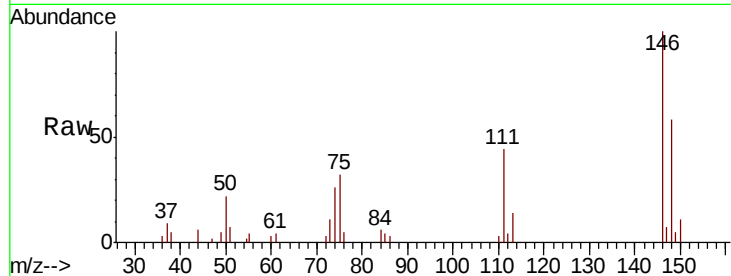




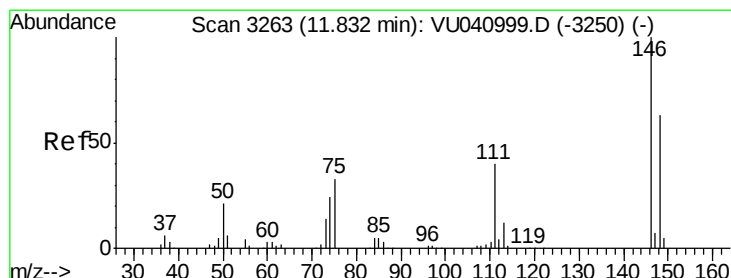
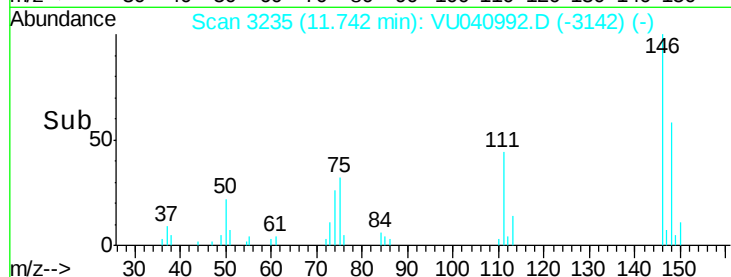
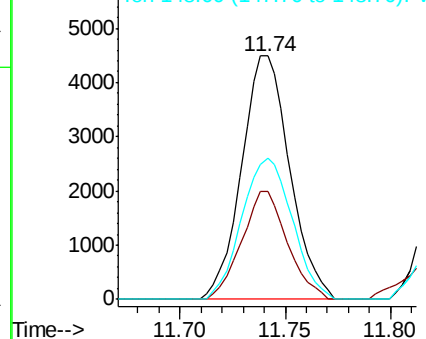
#64
 1,3-Dichlorobenzene
 Concen: 0.823 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion:146 Resp: 7121
 Ion Ratio Lower Upper
 146 100
 111 44.3 30.2 56.0
 148 57.8 42.9 79.7

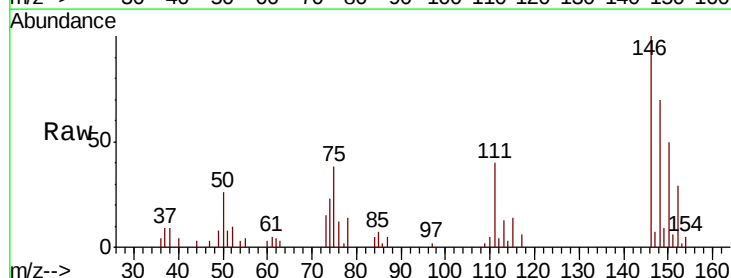


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

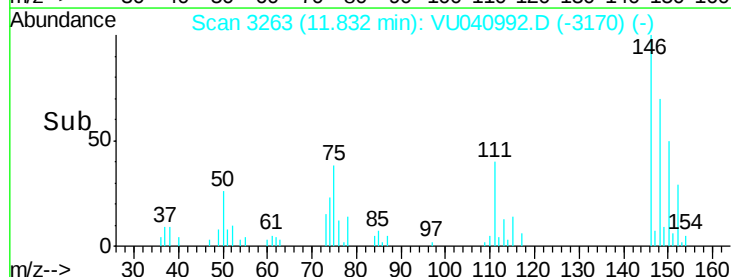
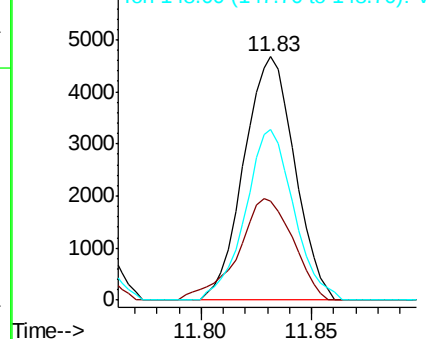


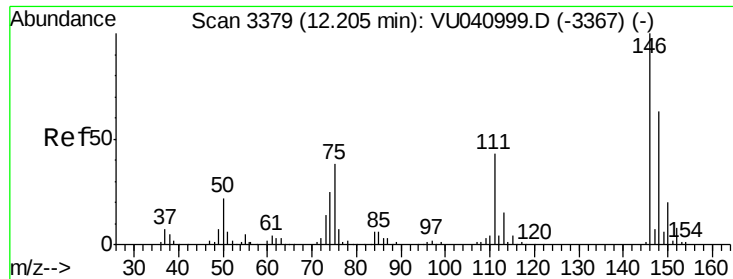
#65
 1,4-Dichlorobenzene
 Concen: 0.838 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion:146 Resp: 7479
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.3 52.7
 148 70.3 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

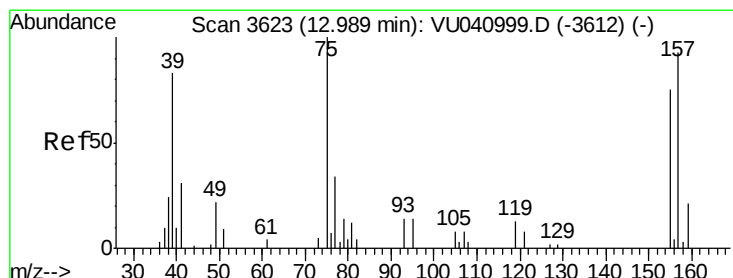
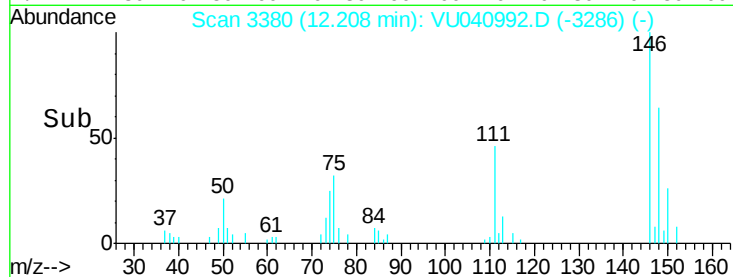
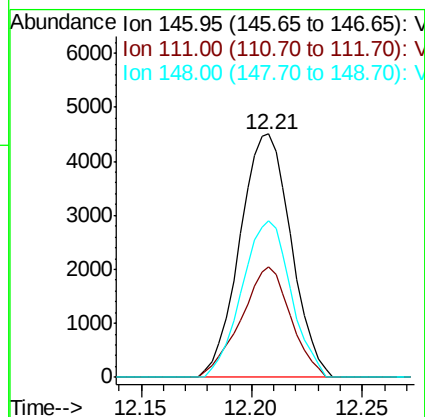
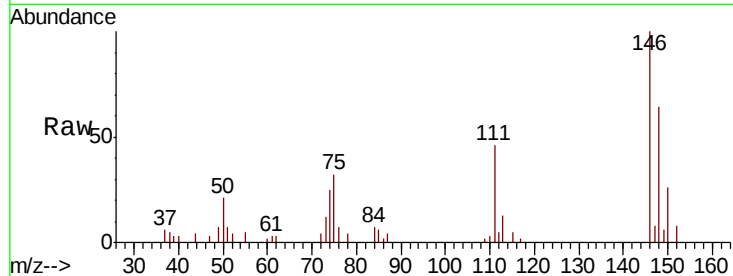




#67
 1,2-Dichlorobenzene
 Concen: 0.893 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

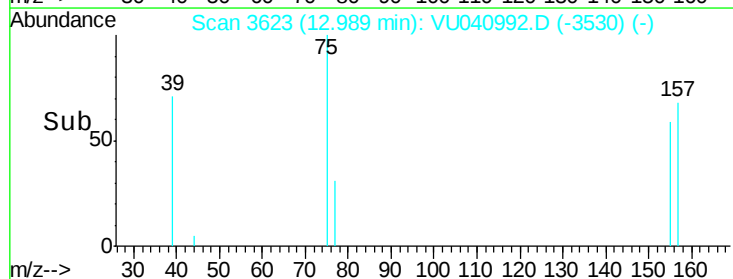
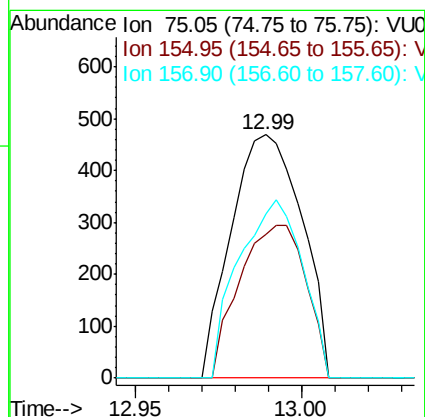
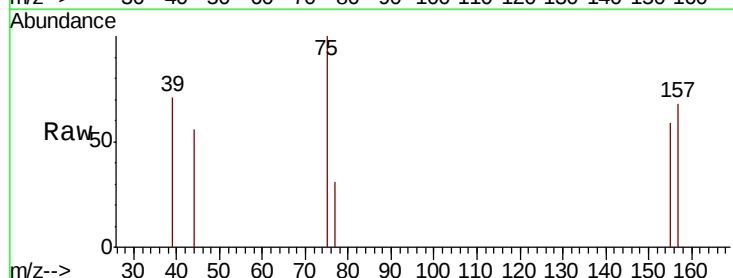
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

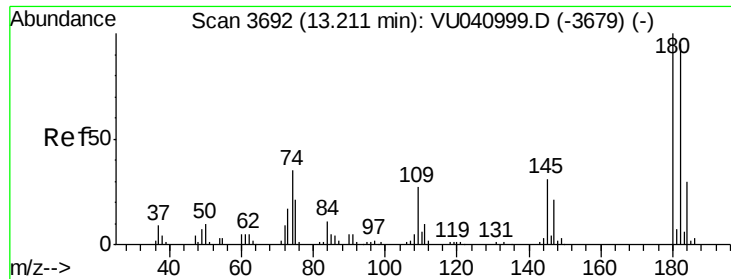
Tot Ion:146 Resp: 7269
 Ion Ratio Lower Upper
 146 100
 111 45.5 34.7 52.1
 148 64.4 50.7 76.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.902 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion: 75 Resp: 698
 Ion Ratio Lower Upper
 75 100
 155 59.3 60.2 90.2#
 157 67.6 74.4 111.6#

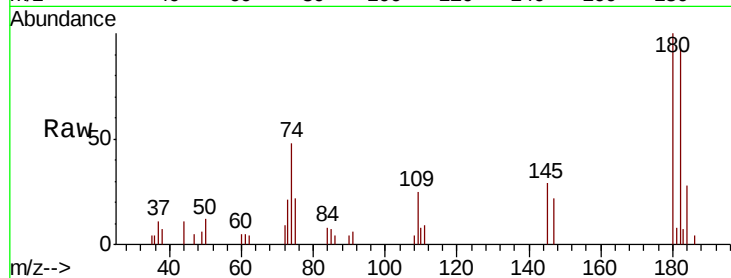




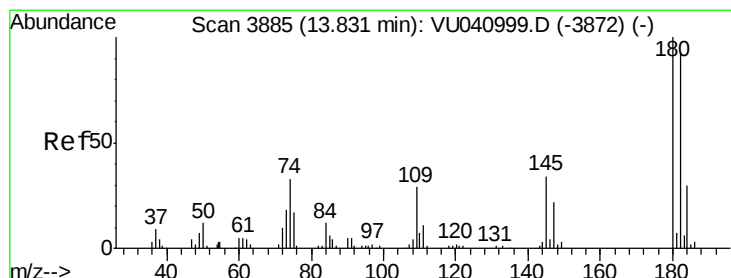
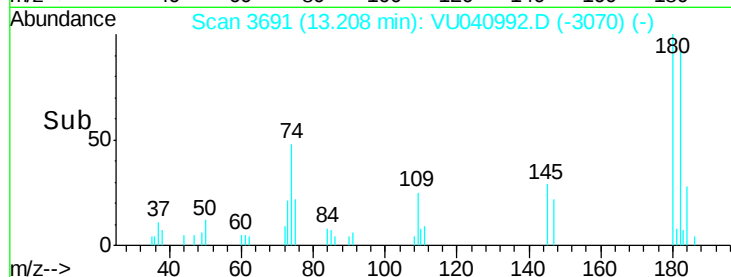
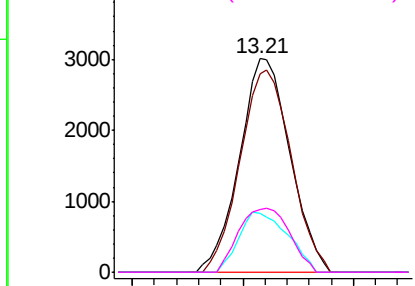
#69
 1,3,5-Trichlorobenzene
 Concen: 0.789 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tot Ion:180 Resp: 4779
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.9 115.3
 184 27.1 23.8 35.8
 145 30.2 25.2 37.8

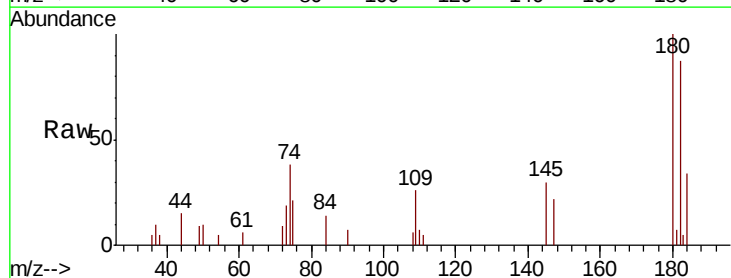


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

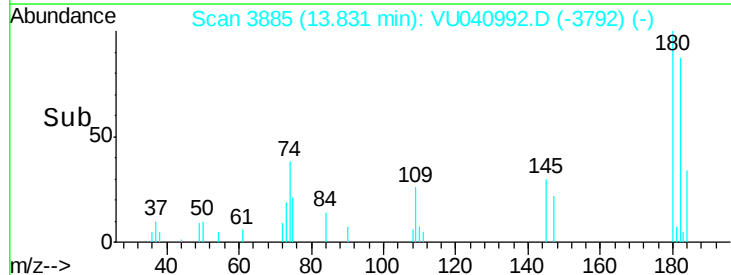
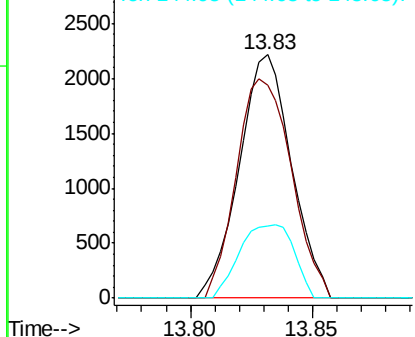


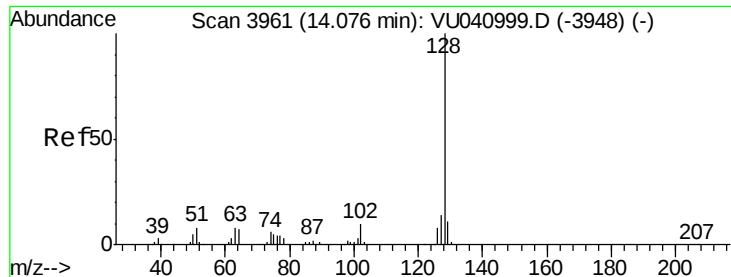
#70
 1,2,4-trichlorobenzene
 Concen: 0.673 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040992.D
 Acq: 28 Oct 2020 11:06

Tgt Ion:180 Resp: 3293
 Ion Ratio Lower Upper
 180 100
 182 94.7 74.5 111.7
 145 31.4 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

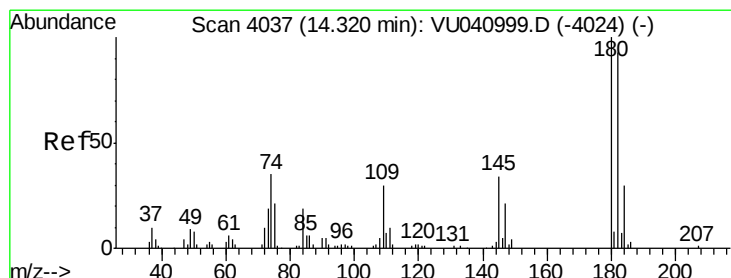
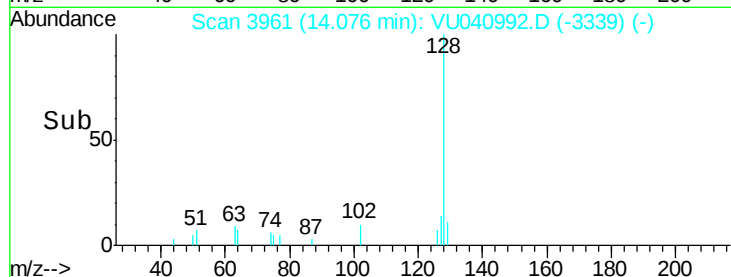
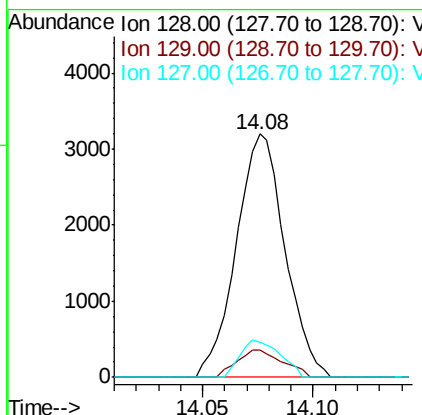
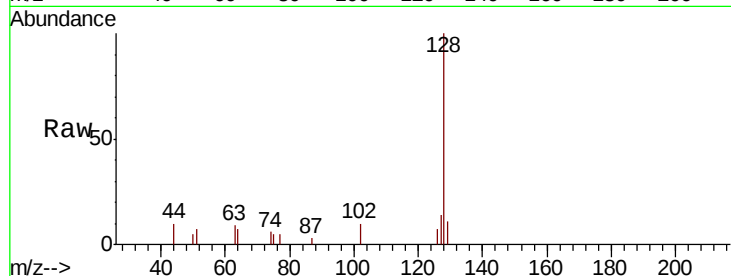




#71
Naphthalene
Concen: 0.581 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tot Ion:128 Resp: 4888
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.5 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 0.722 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040992.D
Acq: 28 Oct 2020 11:06

Tgt Ion:180 Resp: 3185
Ion Ratio Lower Upper
180 100
182 97.1 76.7 115.1
145 37.5 27.4 41.0

