

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
 Data File : VU041001.D
 Acq On : 28 Oct 2020 18:31
 Operator : SY/MD
 Sample : VSTD02006
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020106

Quant Time: Oct 29 01:32:35 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	125558	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120806	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	61732	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	162664	19.46	ug/L	0.00
7) Chloroethane-d5	1.92	69	129272	18.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	78593	18.56	ug/L	0.00
20) 2-Butanone-d5	4.66	46	738501	231.83	ug/L	0.00
24) Chloroform-d	5.08	84	332433	19.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	203753	19.50	ug/L	0.00
32) Benzene-d6	5.74	84	588279	18.81	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	204621	19.64	ug/L	0.00
41) Toluene-d8	7.91	98	519014	18.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	92688	21.81	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	565306	256.13	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	189664	21.25	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	201427	19.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	214130	16.847 ug/L	99
3) Chloromethane	1.53	50	212547	16.859 ug/L	98
5) Vinyl chloride	1.61	62	215676	17.271 ug/L	100
6) Bromomethane	1.87	94	120442	18.088 ug/L	95
8) Chloroethane	1.94	64	125264	16.903 ug/L	97
9) Trichlorofluoromethane	2.15	101	292467	17.357 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	174531	16.992 ug/L	99
12) 1,1-Dichloroethene	2.59	96	163445	16.975 ug/L	97
13) Acetone	2.68	43	440056	186.350 ug/L	69
14) Carbon disulfide	2.81	76	528472	15.975 ug/L	98
15) Methyl Acetate	2.97	43	102971	17.568 ug/L	96
16) Methylene chloride	3.06	84	185273	15.378 ug/L	99
17) Methyl tert-butyl Ether	3.38	73	473157	18.790 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	169931	16.963 ug/L	99
19) 1,1-Dichloroethane	3.89	63	345649	17.363 ug/L	99
21) 2-Butanone	4.74	43	743978	192.071 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	186442	17.691 ug/L	99
23) Bromochloromethane	4.99	128	87103	17.498 ug/L	99
25) Chloroform	5.11	83	351643	17.596 ug/L	99
27) 1,2-Dichloroethane	5.81	62	255525	17.675 ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	298904	17.934 ug/L	99
30) Cyclohexane	5.41	56	318696	18.040 ug/L	99
31) Carbon tetrachloride	5.54	117	258010	18.169 ug/L	96
33) Benzene	5.79	78	727766	17.793 ug/L	100
34) Trichloroethene	6.56	95	188915	17.879 ug/L	96
35) Methylcyclohexane	6.77	83	298859	18.336 ug/L	97
37) 1,2-Dichloropropane	6.80	63	199417	17.377 ug/L	99
38) Bromodichloromethane	7.12	83	254572	18.296 ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	292892	19.021 ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	1688491	195.634 ug/L	99

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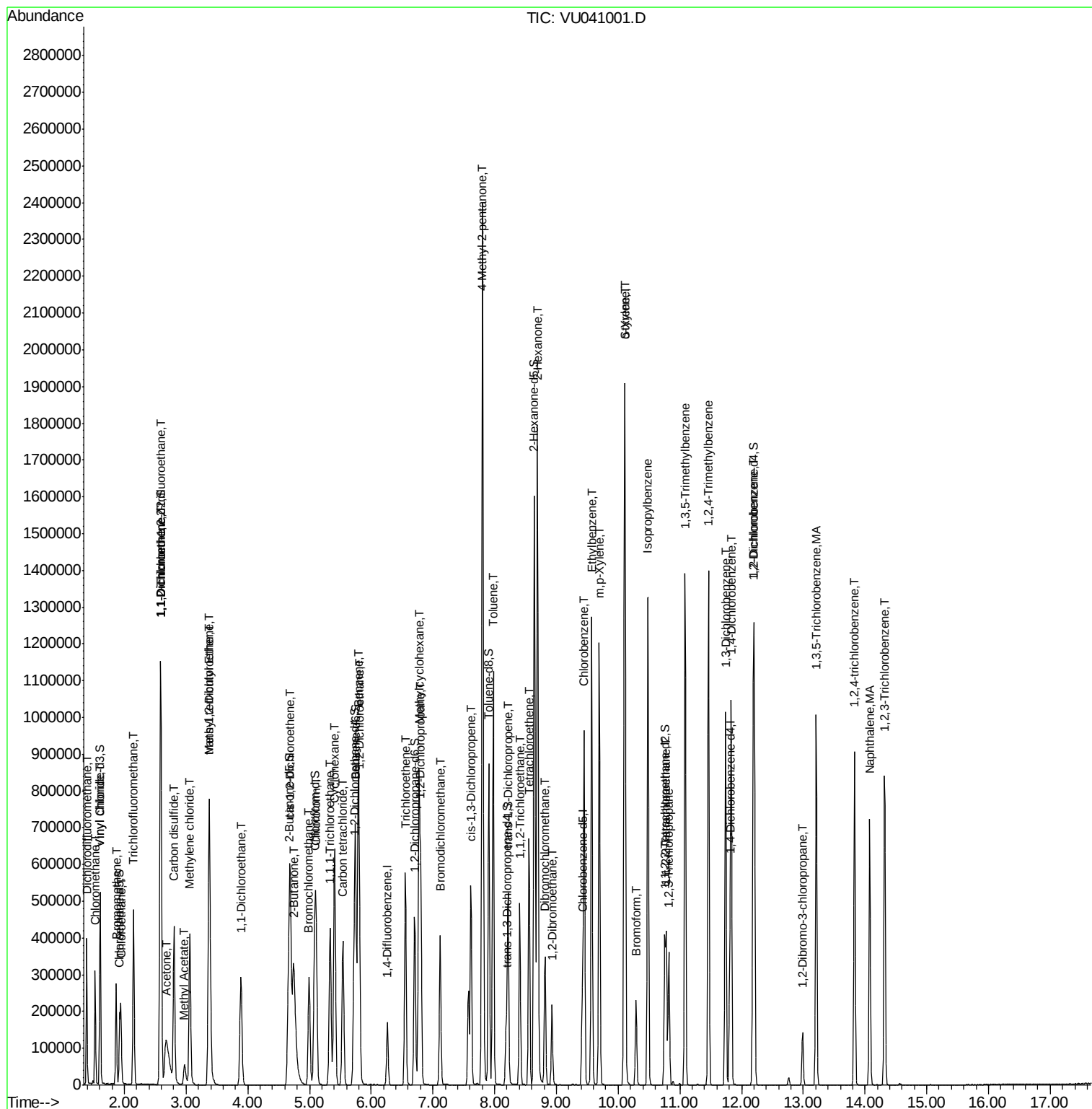
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	755398	18.257	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	270753	19.031	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	140976	18.069	ug/L	98
47) Tetrachloroethene	8.56	164	131384	17.128	ug/L	95
48) 2-Hexanone	8.69	43	1237737	196.185	ug/L	99
49) Dibromochloromethane	8.82	129	171234	19.102	ug/L	97
50) 1,2-Dibromoethane	8.93	107	137035	18.220	ug/L	97
51) Chlorobenzene	9.45	112	463340	17.435	ug/L	99
52) Ethylbenzene	9.57	91	838847	18.592	ug/L	99
53) m,p-Xylene	9.69	106	302898	18.631	ug/L	96
54) o-Xylene	10.10	106	291719	18.640	ug/L	98
55) Styrene	10.11	104	515768	19.081	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	188519	18.345	ug/L	96
59) Bromoform	10.29	173	95565	19.222	ug/L	97
60) Isopropylbenzene	10.48	105	801742	19.117	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	143380	18.068	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	693620	20.634	ug/L	98
63) 1,2,4-Trimethylbenzene	11.46	105	708992	20.756	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	368554	17.644	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	374061	17.345	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	358509	18.237	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	36464	19.518	ug/L	92
69) 1,3,5-Trichlorobenzene	13.21	180	266078	18.187	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	243987	20.650	ug/L	99
71) Naphthalene	14.08	128	510397	25.106	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	228799	21.460	ug/L	98

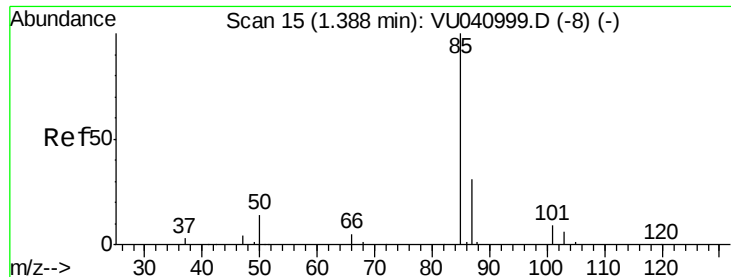
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 16.847 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

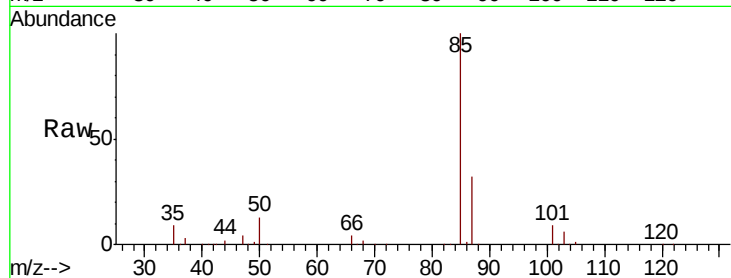
VSTD020106

Tot Ion: 85 Resp: 214130

Ion Ratio Lower Upper

85 100

87 32.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

200000

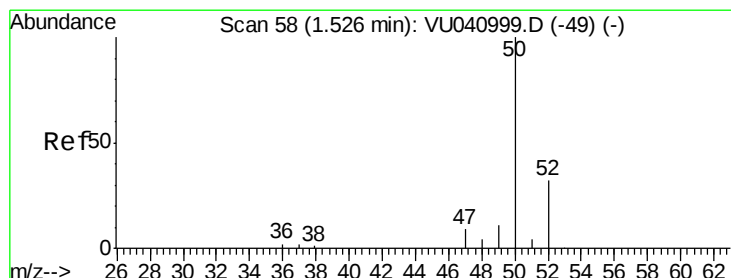
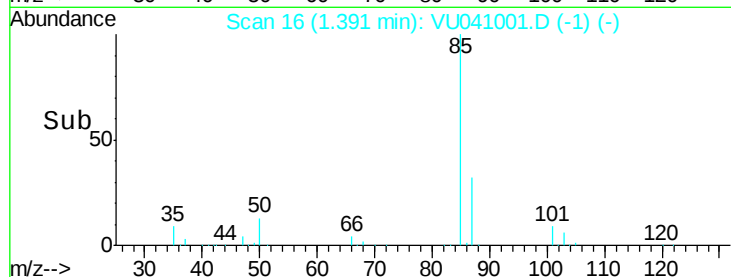
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 16.859 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041001.D

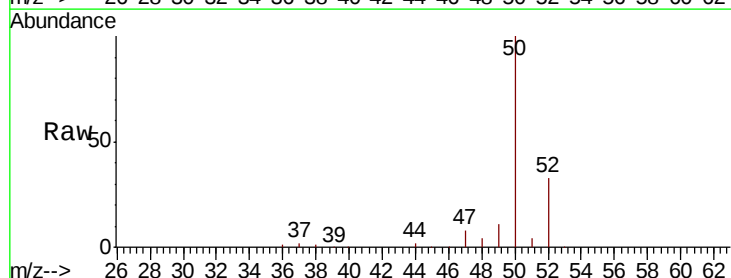
Acq: 28 Oct 2020 18:31

Tgt Ion: 50 Resp: 212547

Ion Ratio Lower Upper

50 100

52 33.2 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

200000

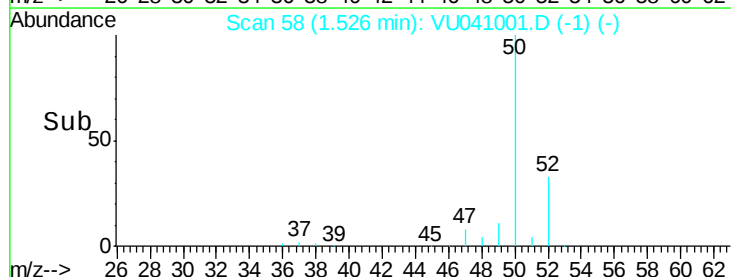
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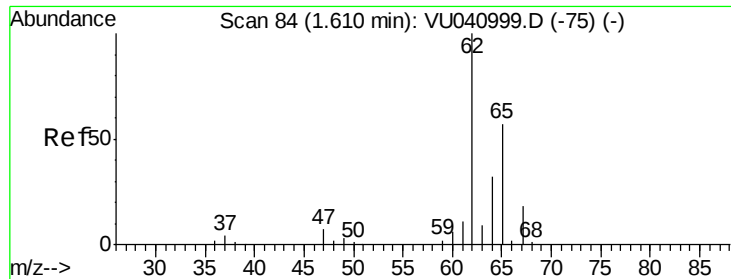
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 17.271 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

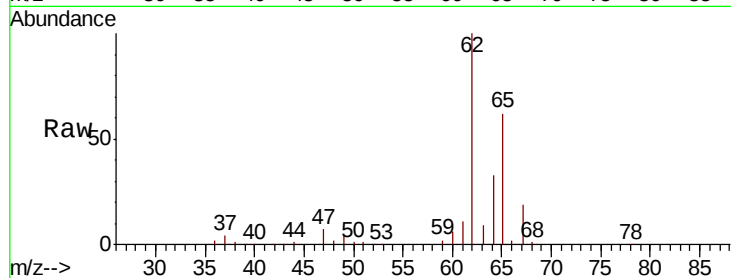
VSTD020106

Tot Ion: 62 Resp: 215676

Ion Ratio Lower Upper

62 100

64 32.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

200000

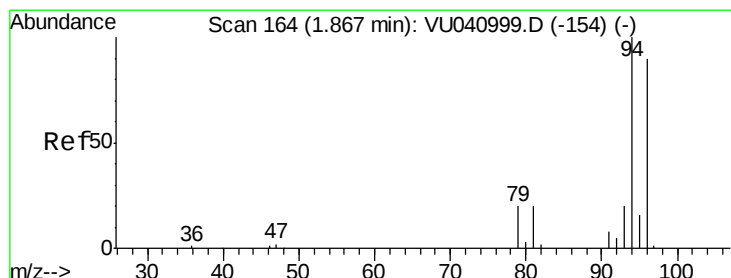
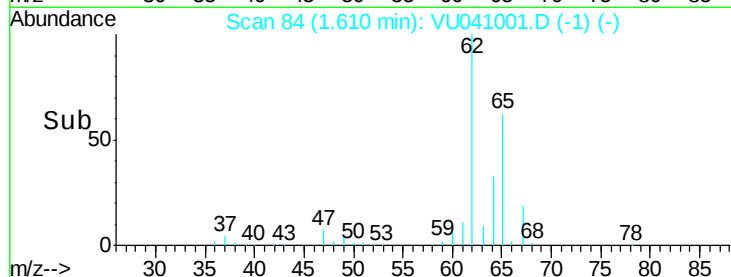
150000

100000

50000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 18.088 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041001.D

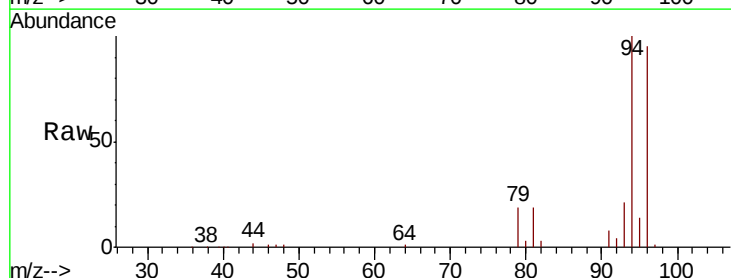
Acq: 28 Oct 2020 18:31

Tgt Ion: 94 Resp: 120442

Ion Ratio Lower Upper

94 100

96 94.6 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

100000

80000

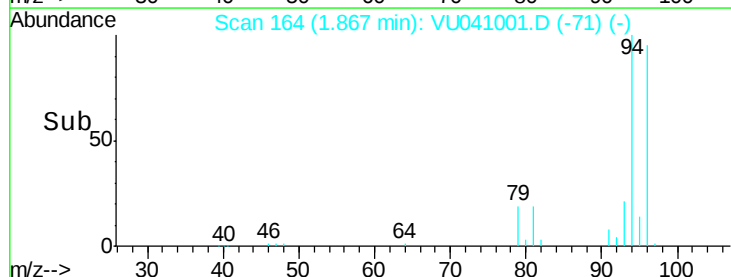
60000

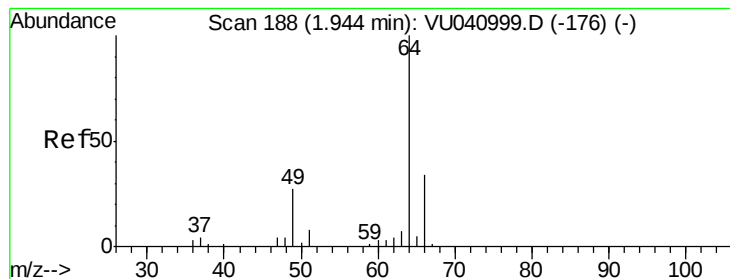
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 16.903 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

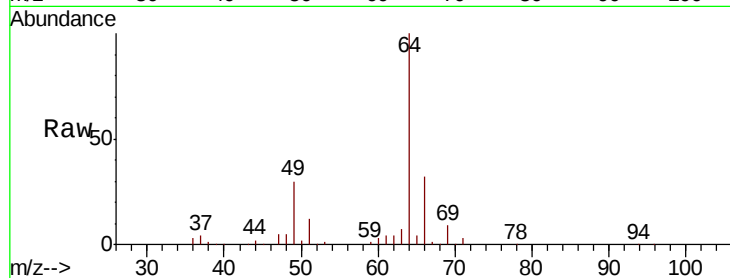
Instrument :
MSVOA_U
ClientSampleId :
VSTD020106

Tot Ion: 64 Resp: 125264

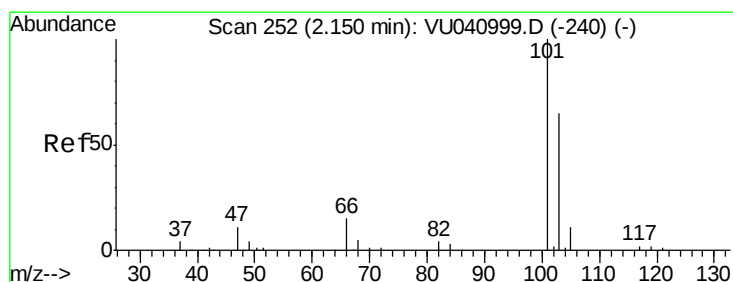
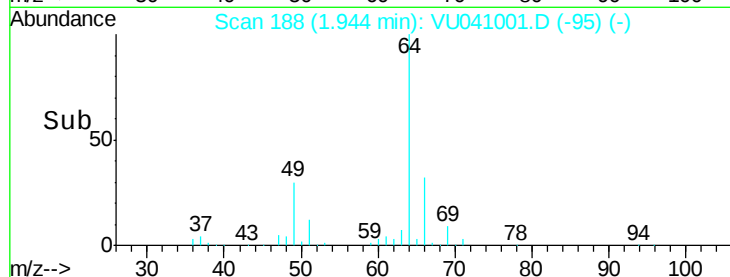
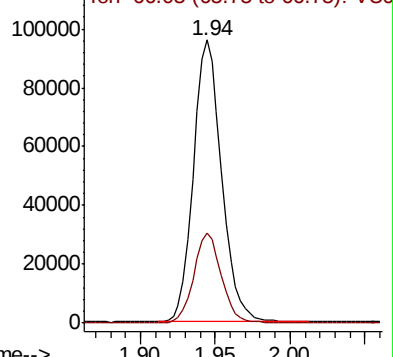
Ion Ratio Lower Upper

64 100

66 31.7 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VU041001.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 17.357 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU041001.D

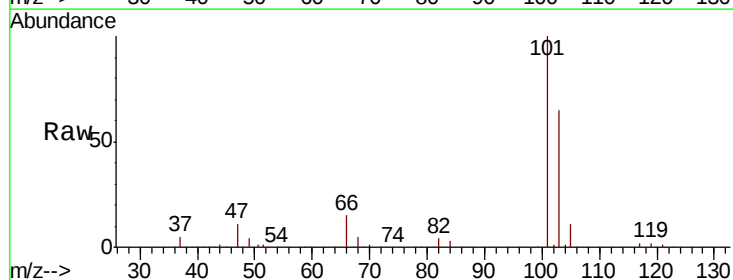
Acq: 28 Oct 2020 18:31

Tgt Ion:101 Resp: 292467

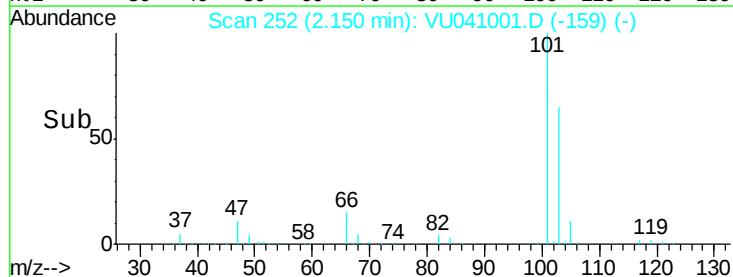
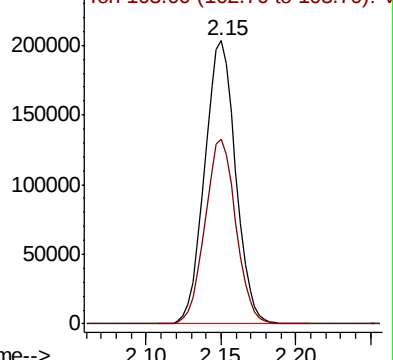
Ion Ratio Lower Upper

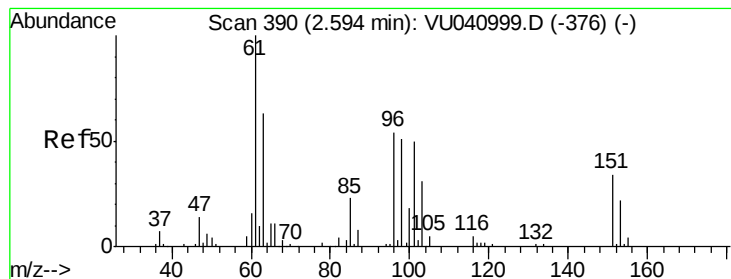
101 100

103 65.0 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041001.D (-159) (-)





#10

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

Concen: 16.992 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD020106

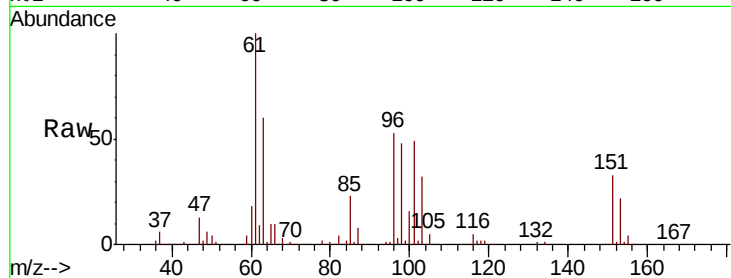
Tot Ion:101 Resp: 174531

Ion Ratio Lower Upper

101 100

85 46.7 38.1 57.1

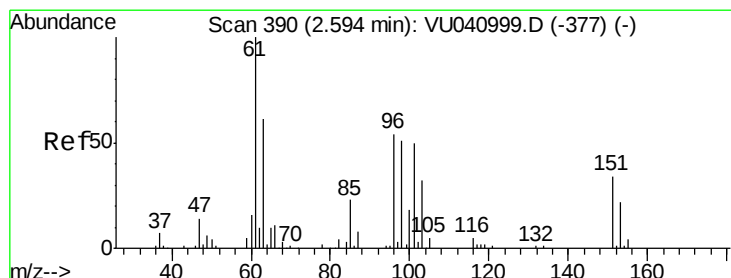
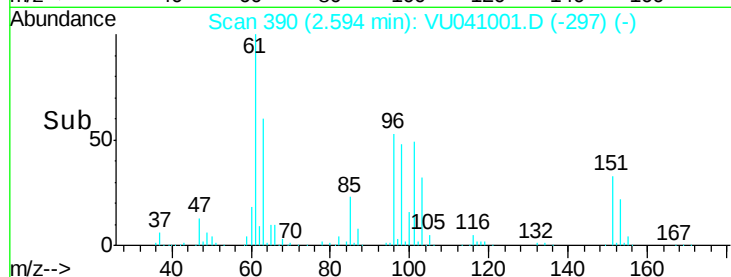
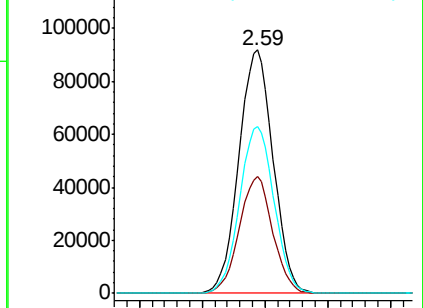
151 69.0 56.0 84.0



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: 16.975 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

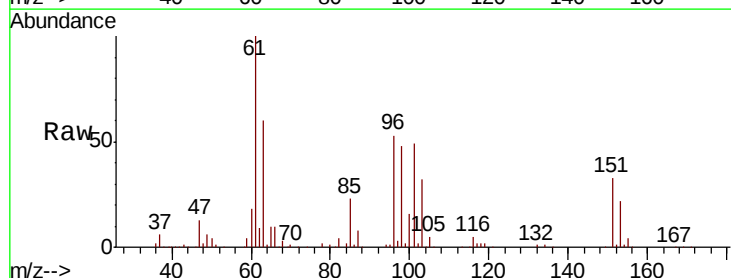
Tgt Ion: 96 Resp: 163445

Ion Ratio Lower Upper

96 100

61 189.5 130.2 241.8

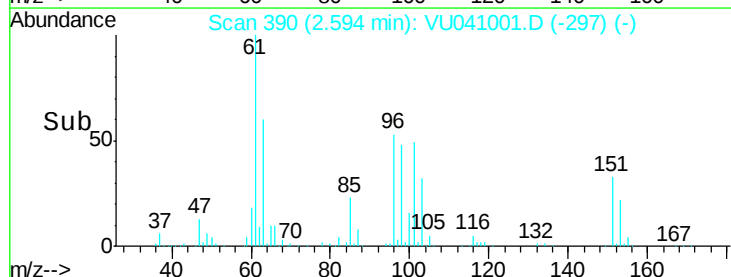
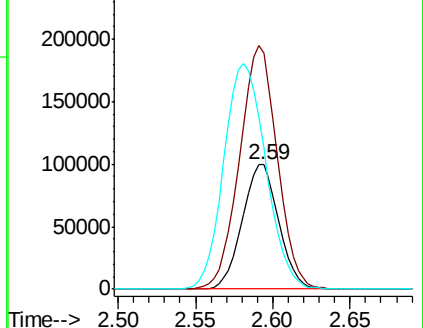
63 113.9 83.7 155.5

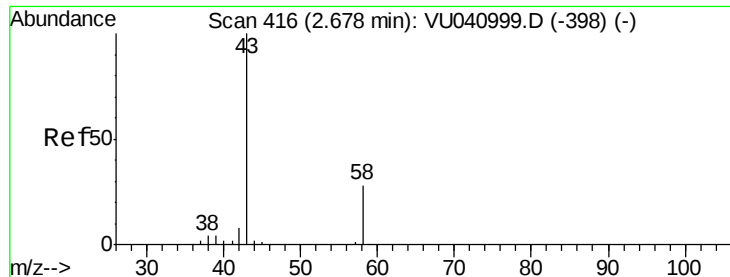


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 186.350 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU041001.D

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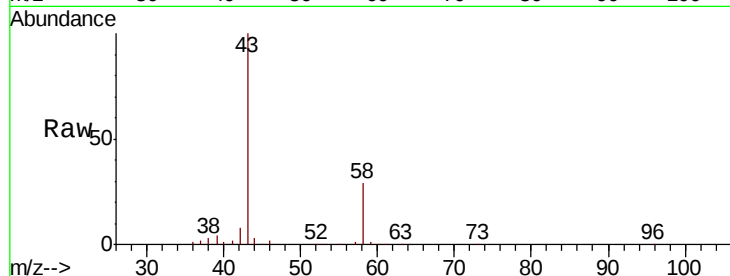
VSTD020106

Tot Ion: 43 Resp: 440056

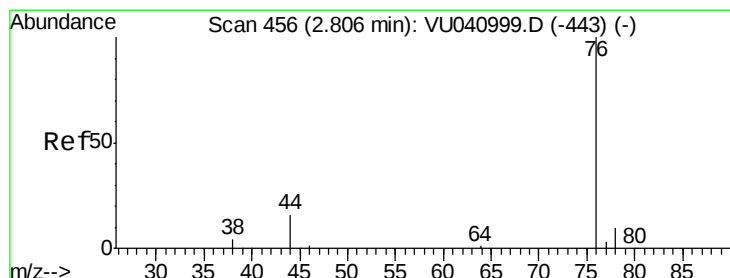
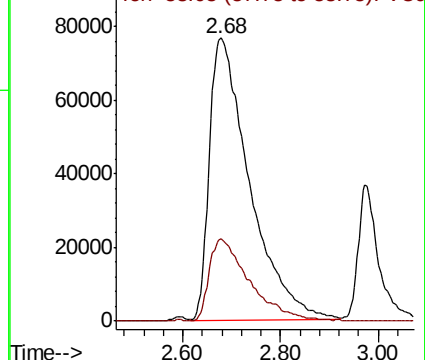
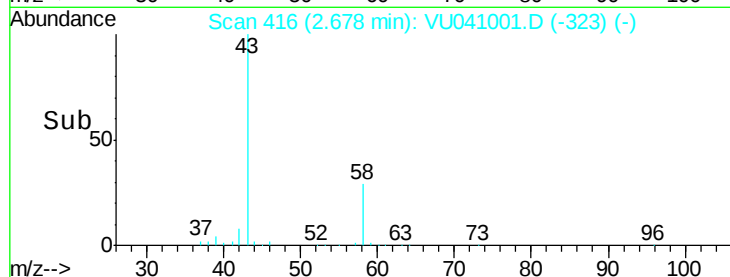
Ion Ratio Lower Upper

43 100

58 28.5 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU041001.D (-323) (-)



#14

Carbon disulfide

Concen: 15.975 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041001.D

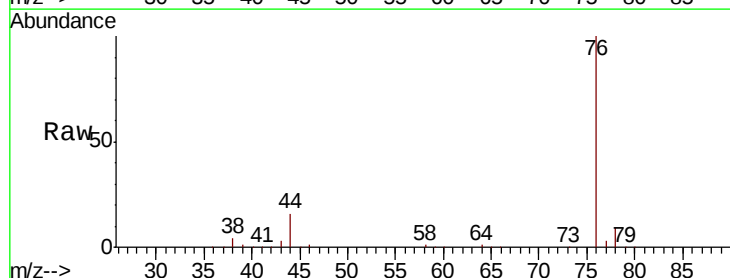
Acq: 28 Oct 2020 18:31

Tgt Ion: 76 Resp: 528472

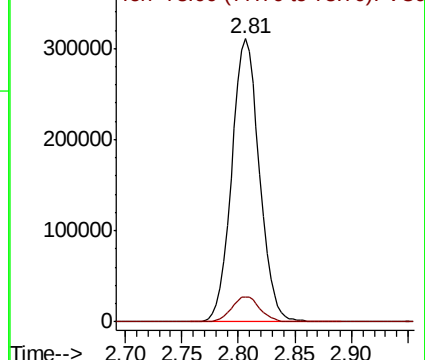
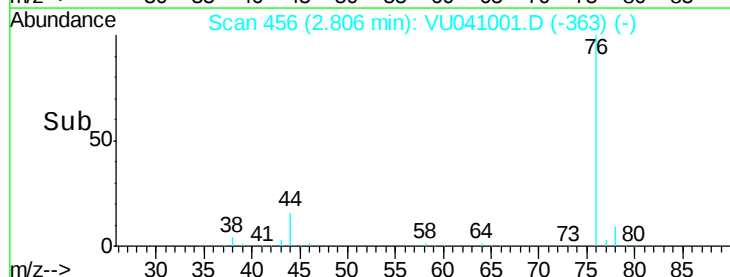
Ion Ratio Lower Upper

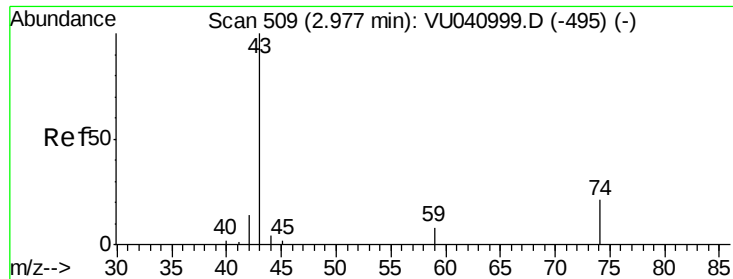
76 100

78 8.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU041001.D (-363) (-)

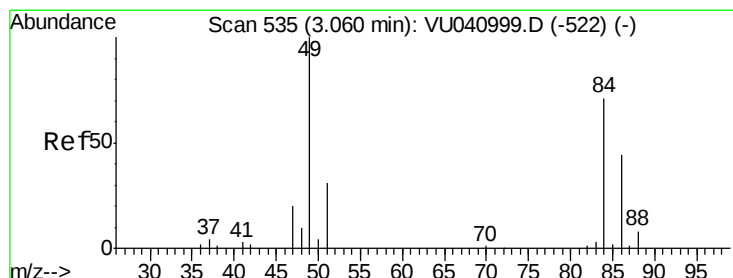
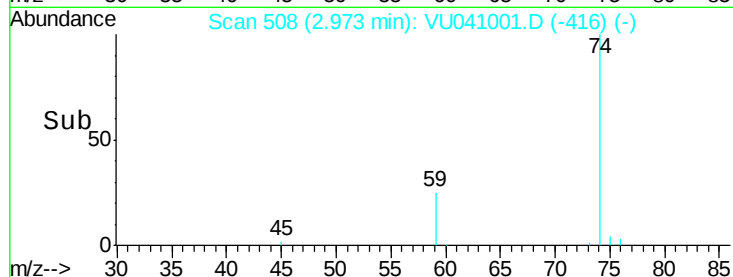
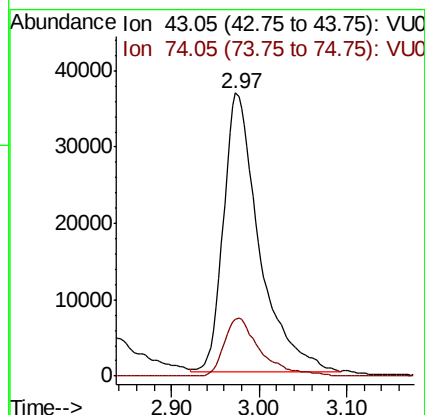
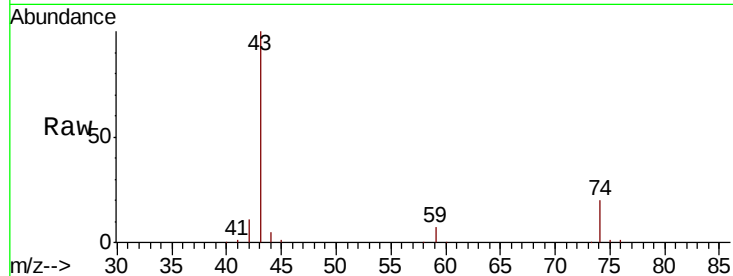




#15
Methvl Acetate
Concen: 17.568 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

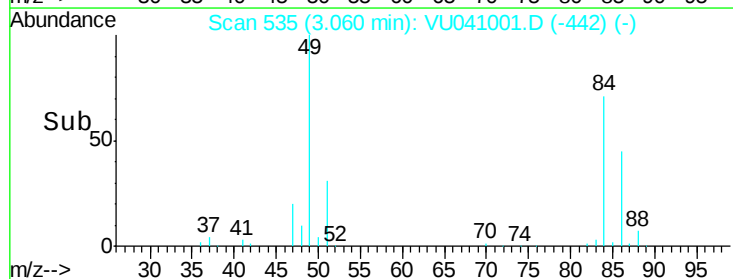
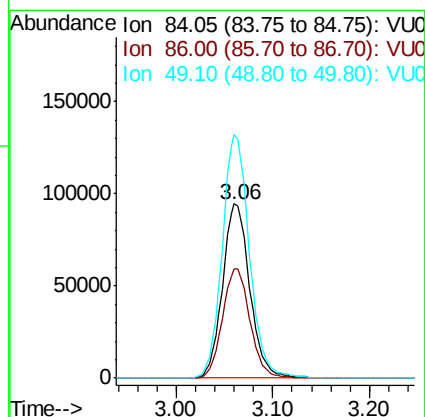
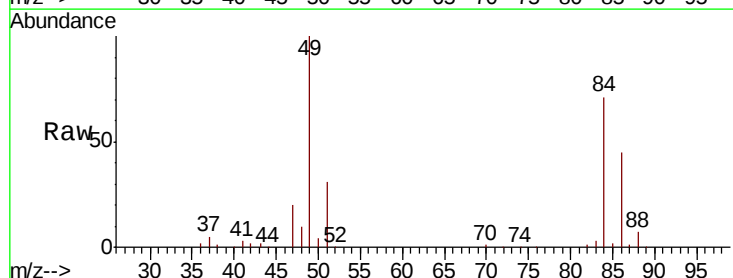
Instrument :
MSVOA_U
ClientSampleId :
VSTD020106

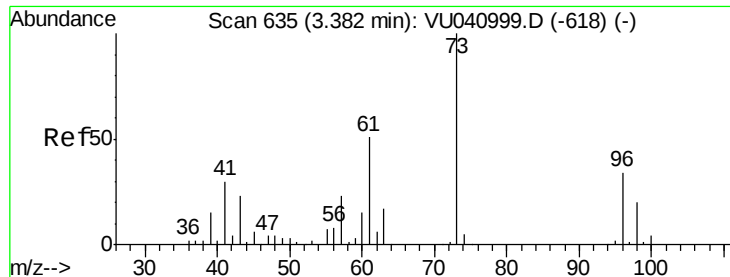
Tot Ion: 43 Resp: 102971
Ion Ratio Lower Upper
43 100
74 21.4 15.6 23.4



#16
Methylene chloride
Concen: 15.378 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

Tgt Ion: 84 Resp: 185273
Ion Ratio Lower Upper
84 100
86 62.5 44.2 82.0
49 139.9 99.3 184.3

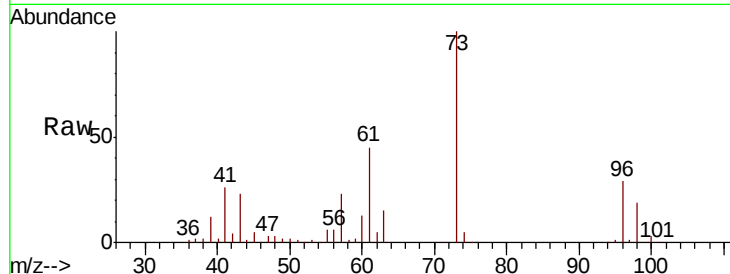




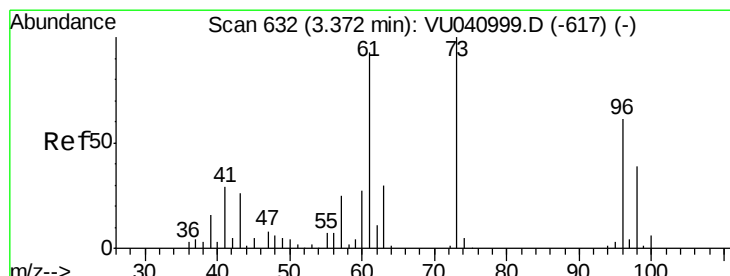
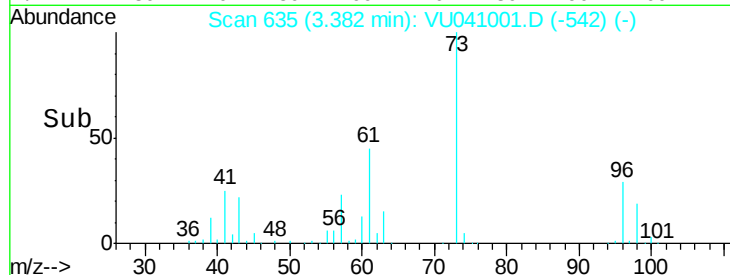
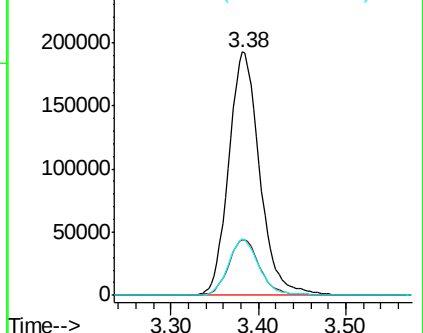
#17
Methvl tert-butvl Ether
Concen: 18.790 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD020106

Tot Ion: 73 Resp: 473157
Ion Ratio Lower Upper
73 100
43 23.3 19.5 29.3
57 23.0 18.9 28.3

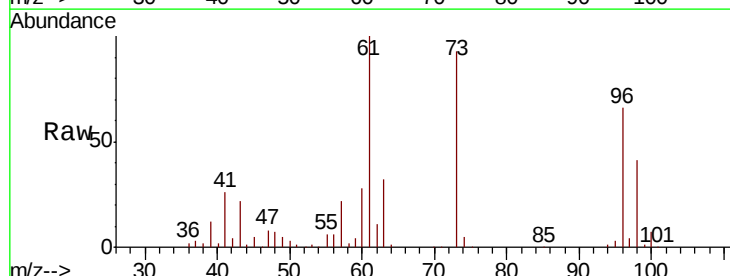


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

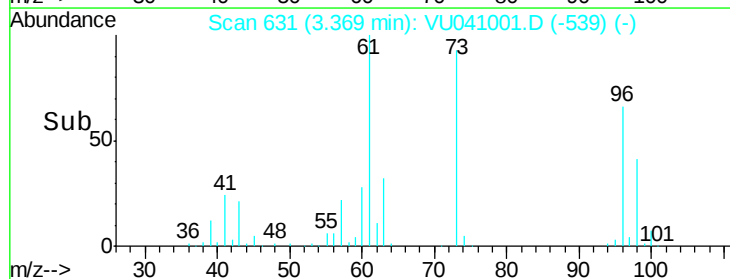
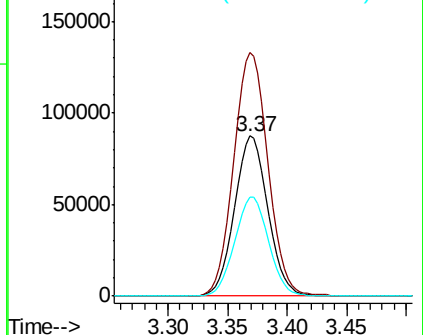


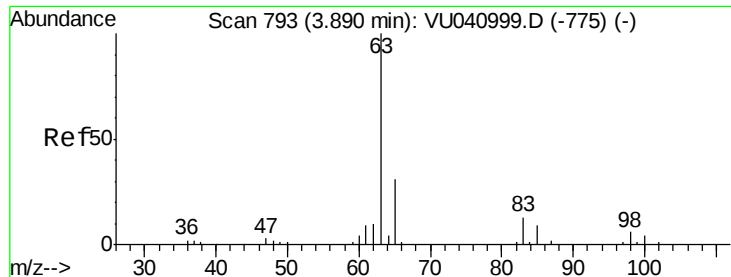
#18
trans-1,2-Dichloroethene
Concen: 16.963 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

Tgt Ion: 96 Resp: 169931
Ion Ratio Lower Upper
96 100
61 152.1 107.2 199.0
98 61.7 44.6 82.8



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

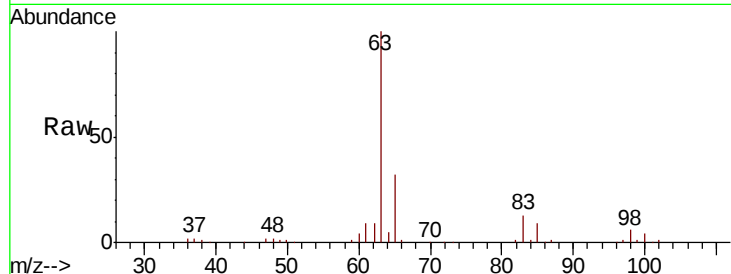




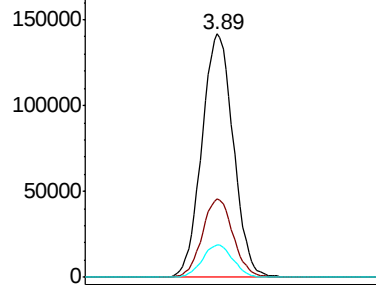
#19
 1,1-Dichloroethane
 Concen: 17.363 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020106

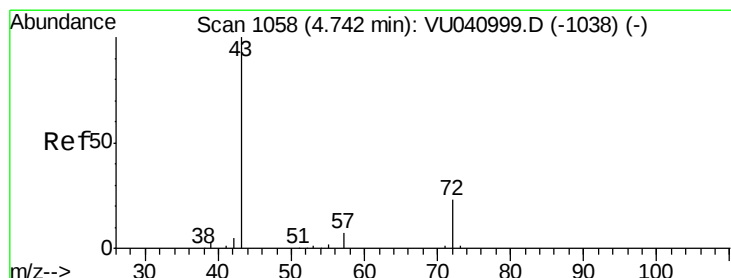
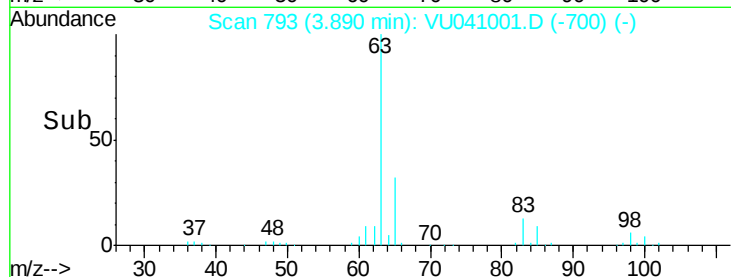
Tot Ion: 63 Resp: 345649
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.8 40.4
 83 13.1 9.3 17.3



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

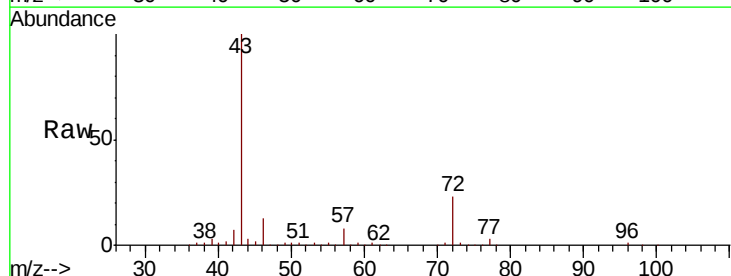


Time-->

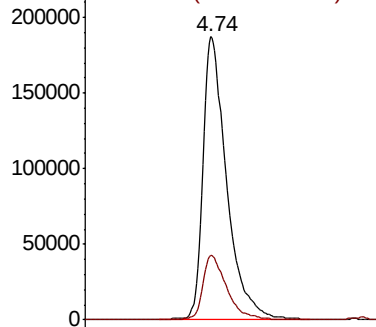


#21
 2-Butanone
 Concen: 192.071 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

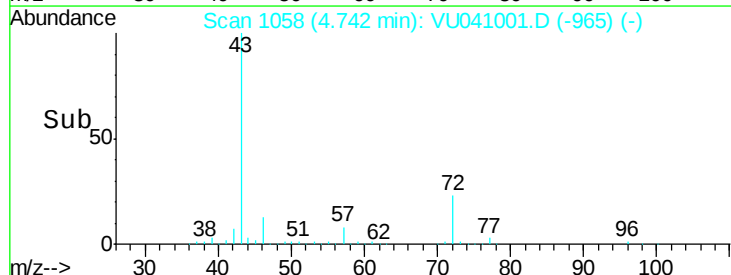
Tgt Ion: 43 Resp: 743978
 Ion Ratio Lower Upper
 43 100
 72 23.0 11.6 34.7

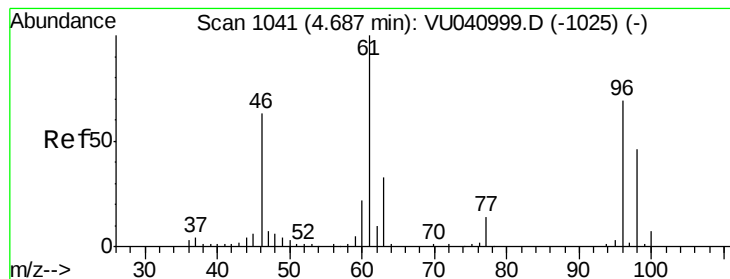


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



Time-->





#22

cis-1,2-Dichloroethene

Concen: 17.691 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD020106

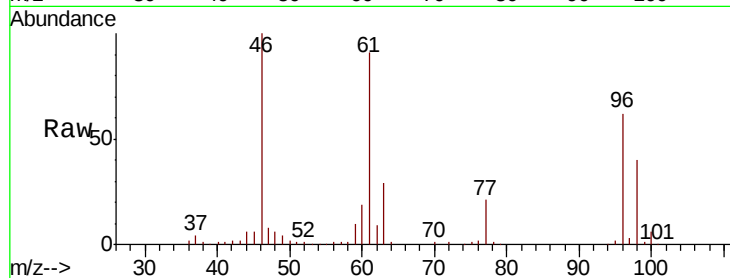
Tot Ion: 96 Resp: 186442

Ion Ratio Lower Upper

96 100

61 146.3 101.7 188.9

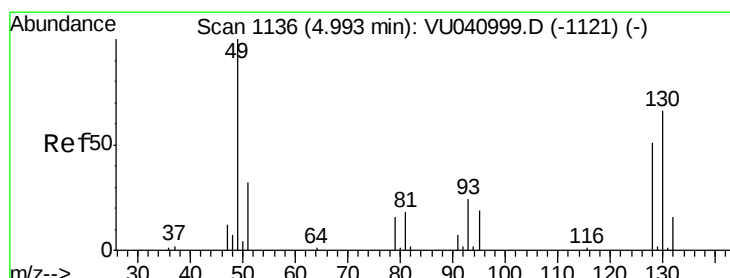
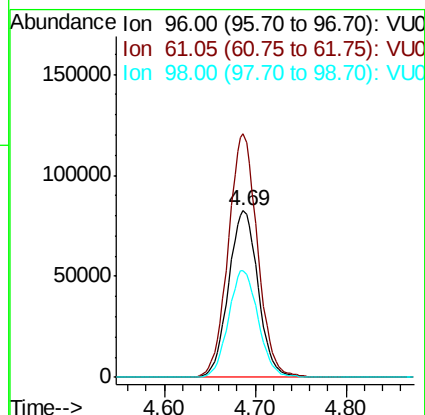
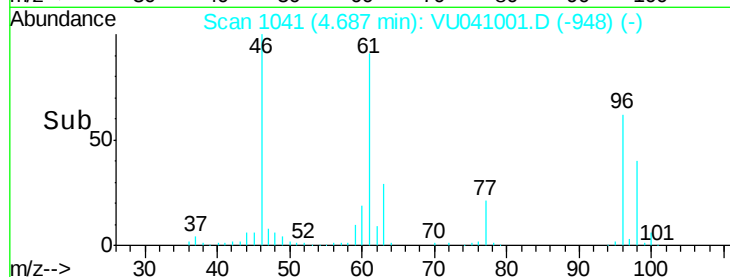
98 64.2 46.4 86.2



Abundance Ion 96.00 (95.70 to 96.70): VU041001.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041001.D (-948) (-)

Ion 98.00 (97.70 to 98.70): VU041001.D (-948) (-)



#23

Bromochloromethane

Concen: 17.498 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Tgt Ion:128 Resp: 87103

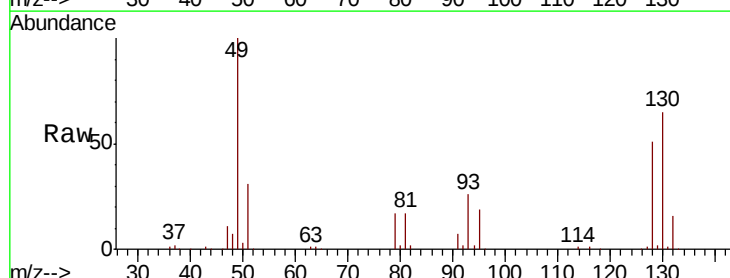
Ion Ratio Lower Upper

128 100

49 195.8 137.5 255.4

130 126.4 90.2 167.4

51 61.1 49.8 74.6

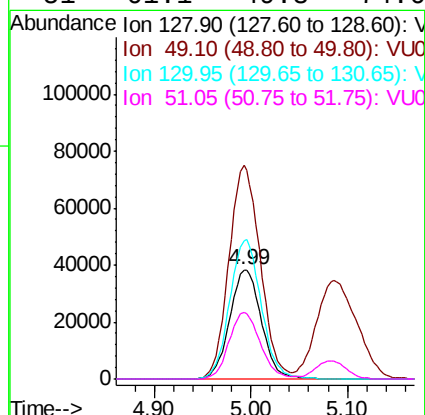
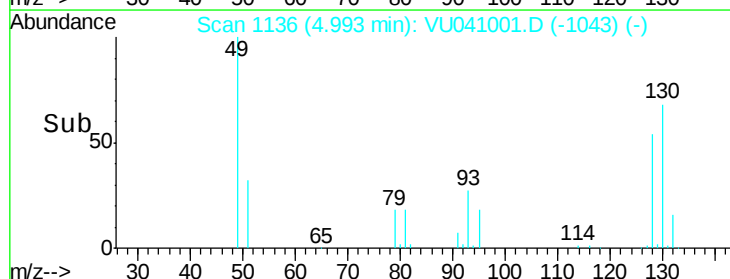


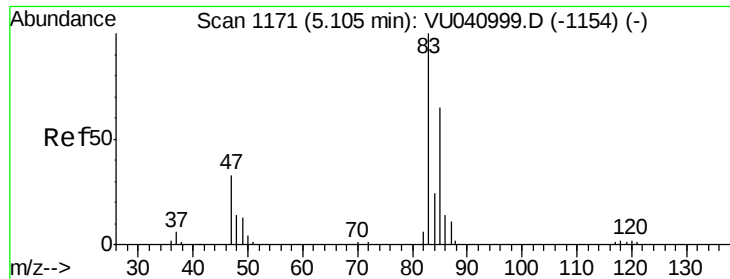
Abundance Ion 127.90 (127.60 to 128.60): VU041001.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU041001.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU041001.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU041001.D (-1043) (-)

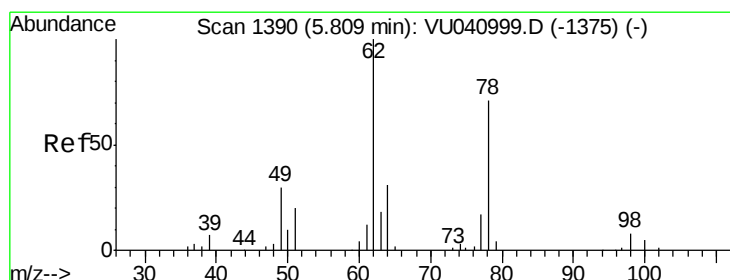
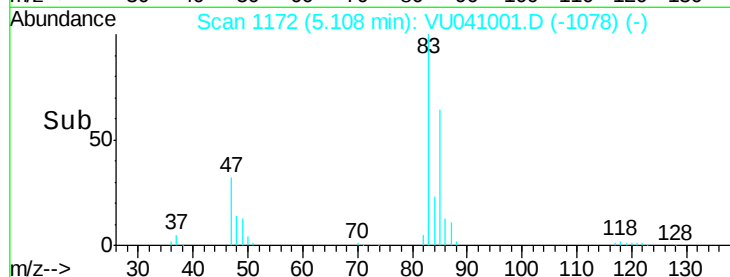
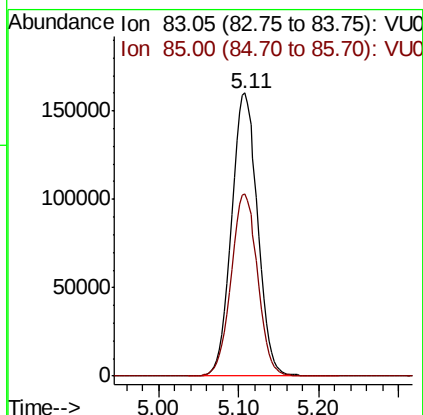
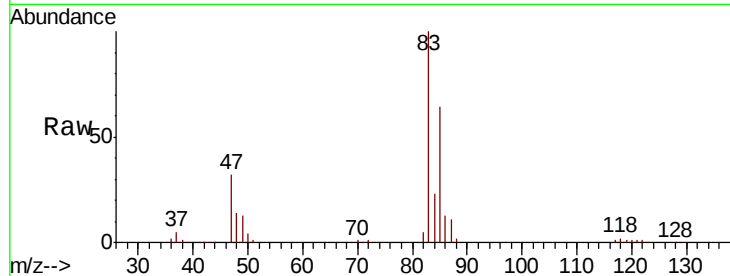




#25
Chloroform
Concen: 17.596 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

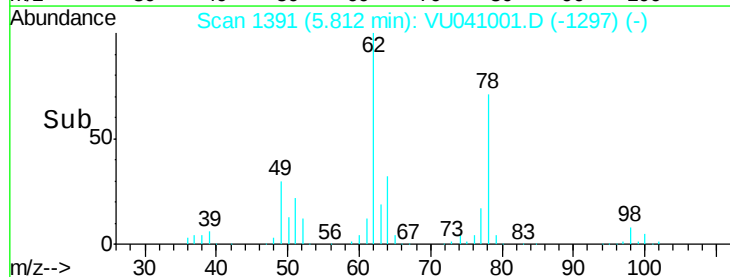
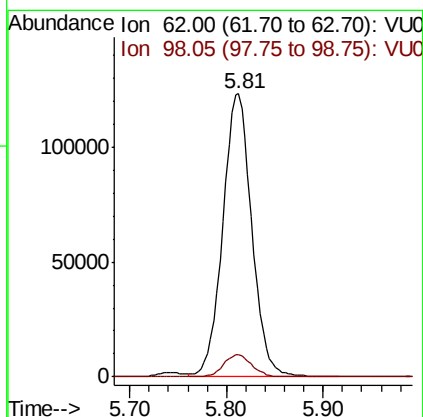
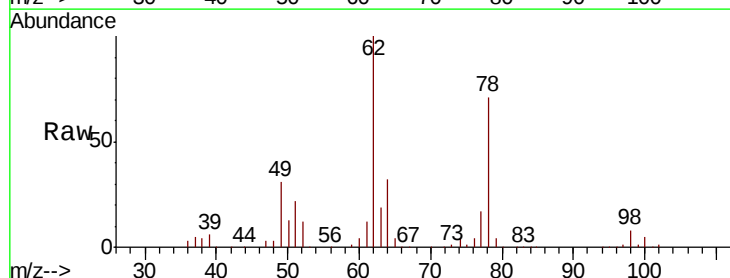
Instrument :
MSVOA_U
ClientSampleId :
VSTD020106

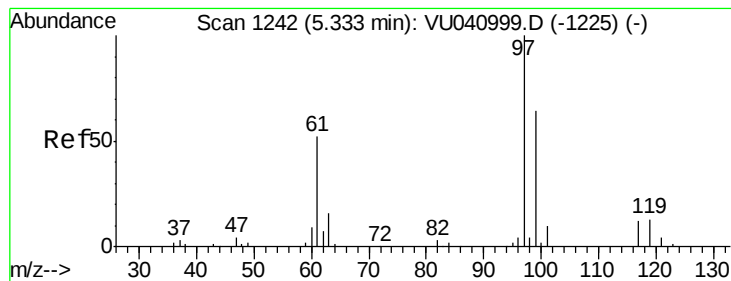
Tot Ion: 83 Resp: 351643
Ion Ratio Lower Upper
83 100
85 64.4 45.5 84.5



#27
1,2-Dichloroethane
Concen: 17.675 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

Tgt Ion: 62 Resp: 255525
Ion Ratio Lower Upper
62 100
98 7.8 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 17.934 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD020106

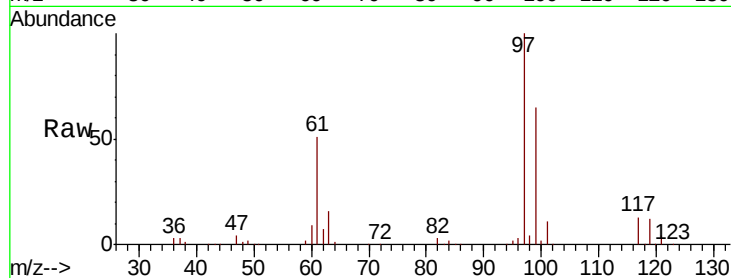
Tot Ion: 97 Resp: 298904

Ion Ratio Lower Upper

97 100

99 64.3 50.2 75.2

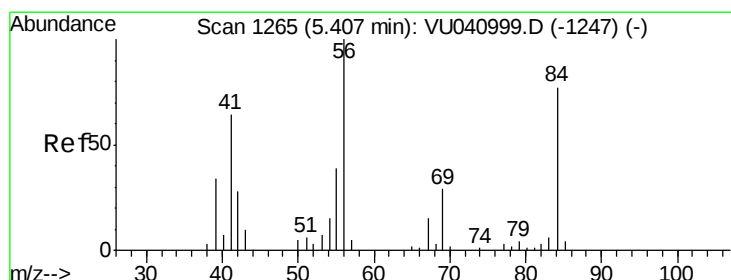
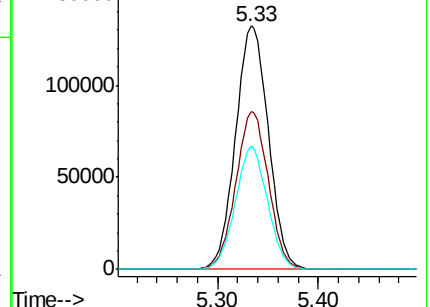
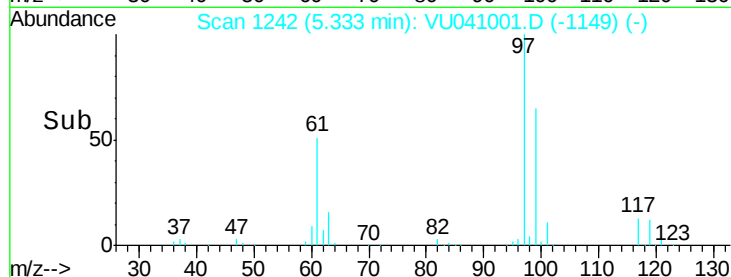
61 49.7 39.6 59.4



Abundance Ion 96.95 (96.65 to 97.65): VU041001.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU041001.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU041001.D (-1149) (-)



#30

Cyclohexane

Concen: 18.040 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

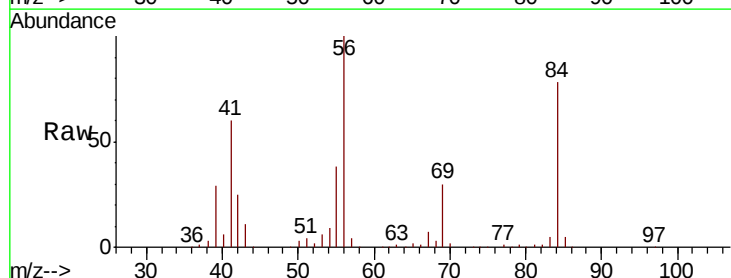
Tgt Ion: 56 Resp: 318696

Ion Ratio Lower Upper

56 100

69 29.2 23.2 34.8

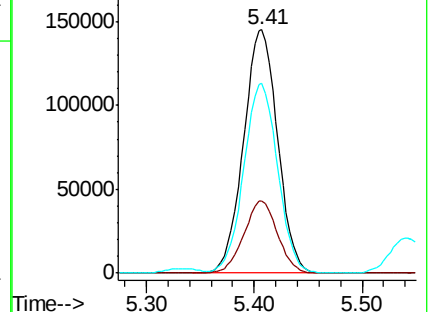
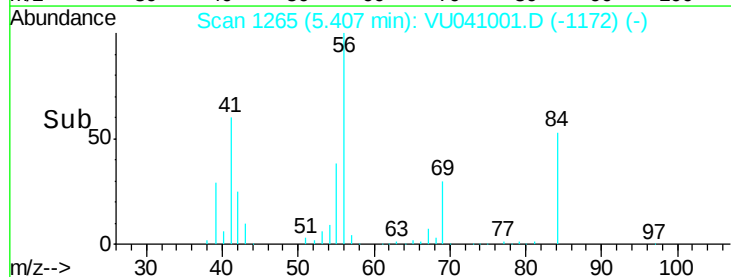
84 77.9 62.9 94.3

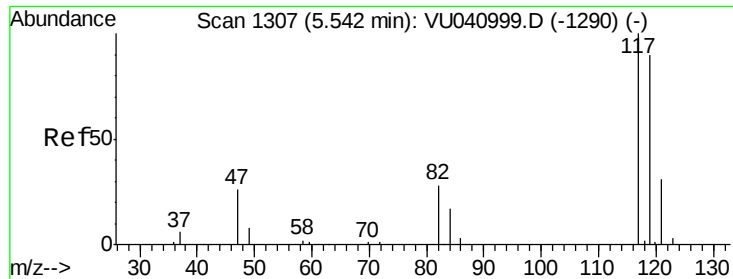


Abundance Ion 56.10 (55.80 to 56.80): VU041001.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VU041001.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VU041001.D (-1172) (-)

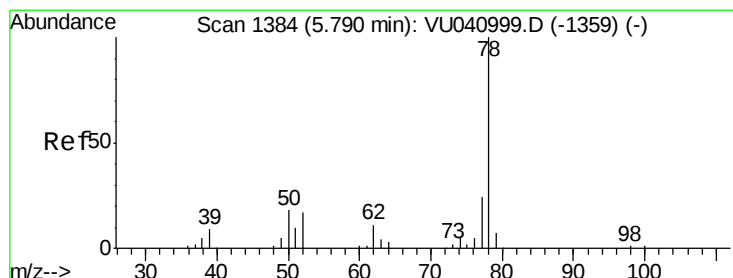
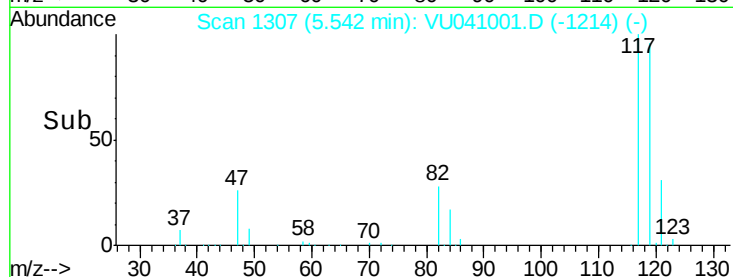
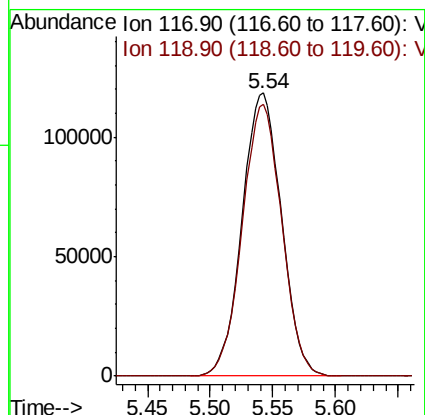
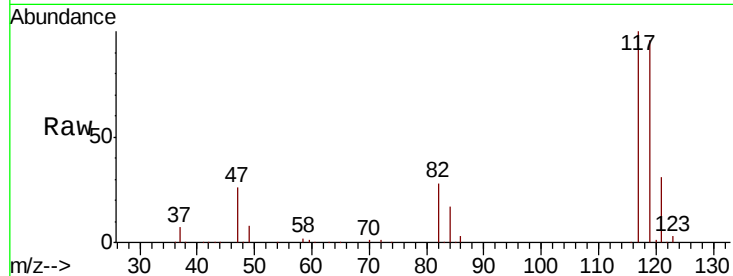




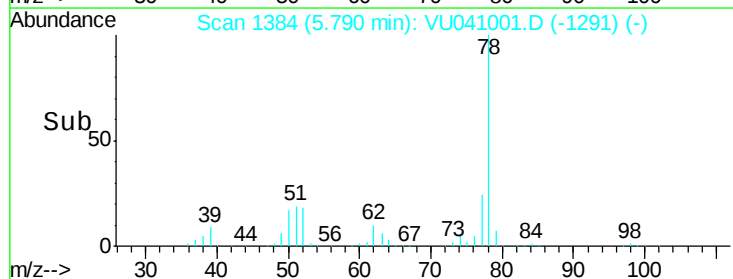
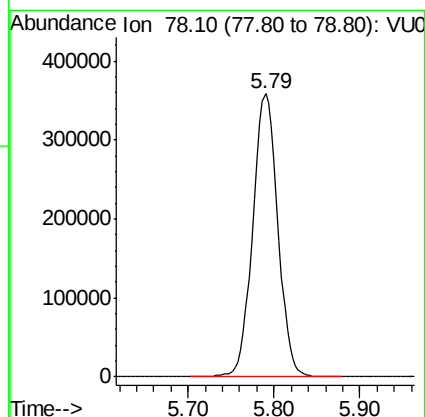
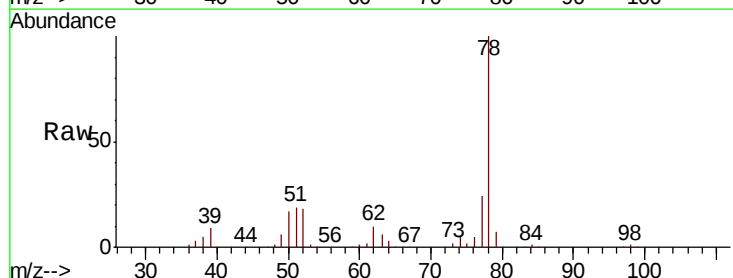
#31
Carbon tetrachloride
Concen: 18.169 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

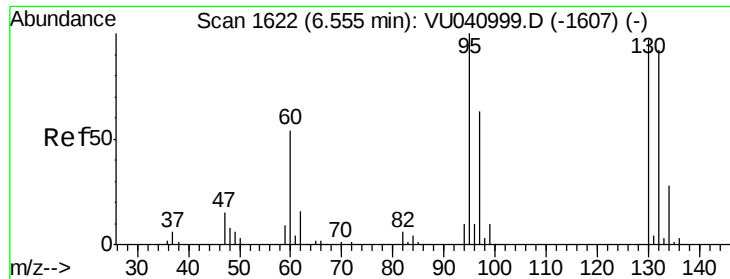
Instrument :
MSVOA_U
ClientSampleId :
VSTD020106

Tot Ion:117 Resp: 258010
Ion Ratio Lower Upper
117 100
119 96.4 74.4 111.6



#33
Benzene
Concen: 17.793 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31
Tgt Ion: 78 Resp: 727766





#34

Trichloroethene

Concen: 17.879 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD020106

Tot Ion: 95 Resp: 188915

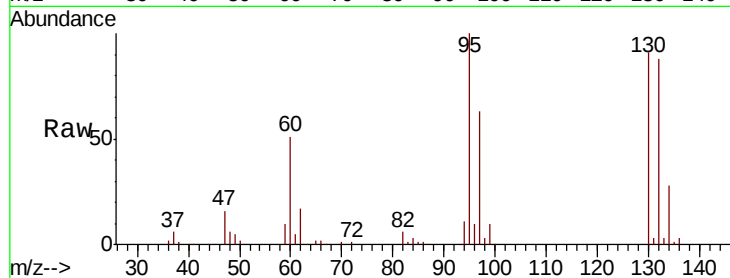
Ion Ratio Lower Upper

95 100

97 63.2 43.8 81.4

132 87.7 64.5 119.7

130 90.9 67.6 125.6

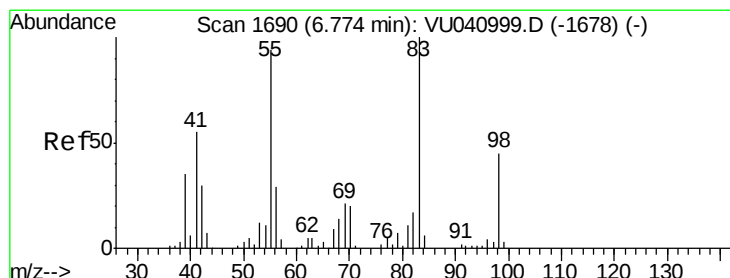
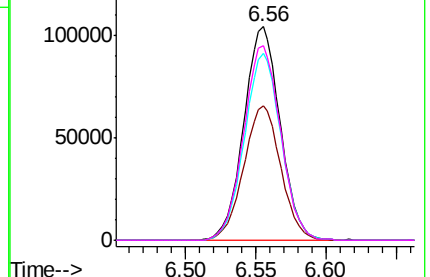
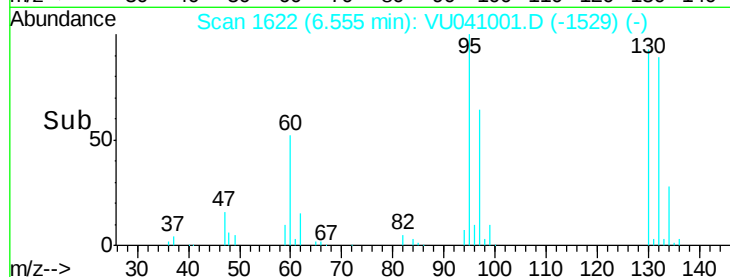


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 18.336 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

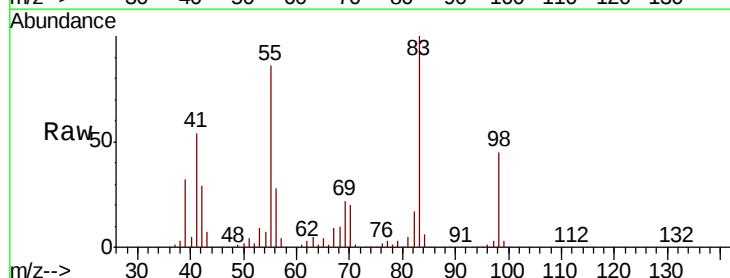
Tgt Ion: 83 Resp: 298859

Ion Ratio Lower Upper

83 100

55 87.1 72.7 109.1

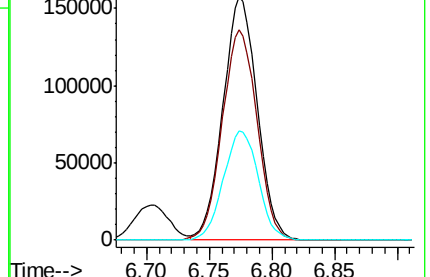
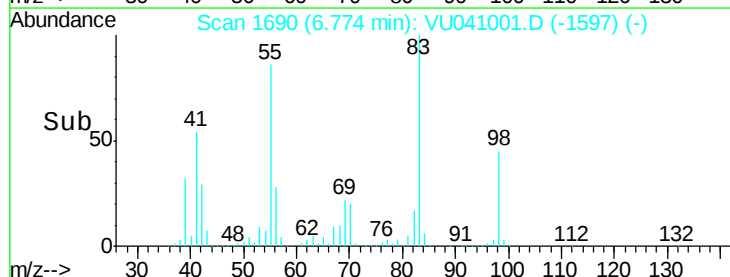
98 45.7 35.7 53.5

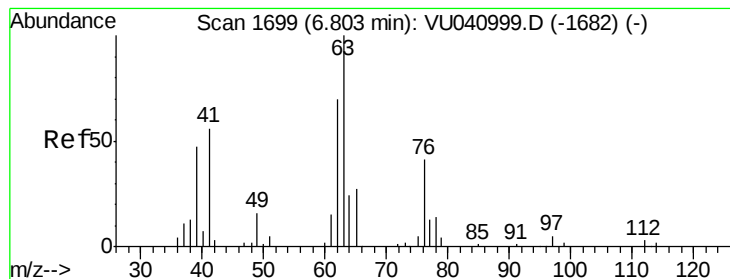


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 17.377 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

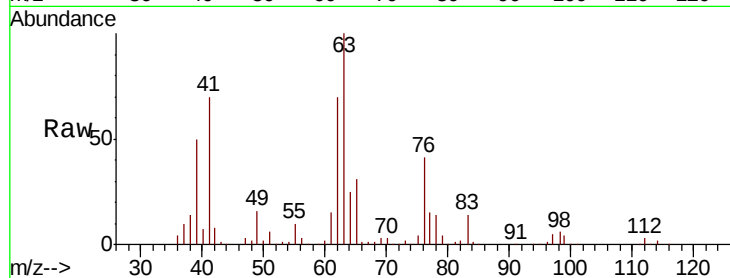
VSTD020106

Tot Ion: 63 Resp: 199417

Ion Ratio Lower Upper

63 100

112 3.4 3.0 4.4



Abundance Ion 63.10 (62.80 to 63.80): VU041001.D (-1606) (-)

Ion 112.10 (111.80 to 112.80): VU041001.D (-1606) (-)

120000

100000

80000

60000

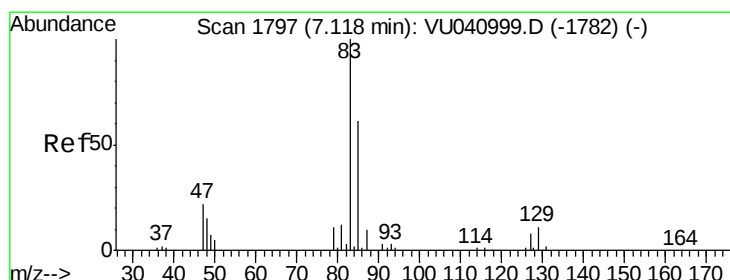
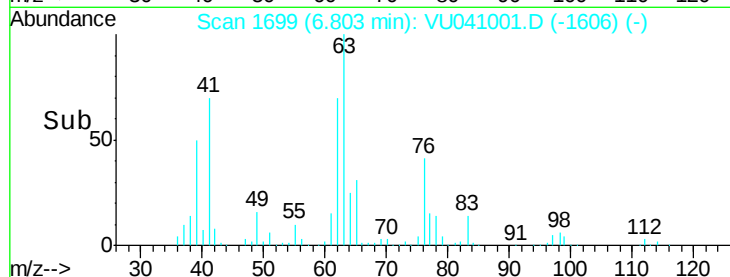
40000

20000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 18.296 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

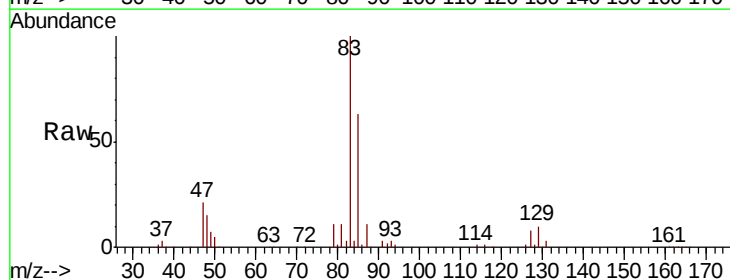
Tgt Ion: 83 Resp: 254572

Ion Ratio Lower Upper

83 100

85 63.4 42.9 79.7

127 8.1 6.2 9.2



Abundance Ion 82.95 (82.65 to 83.65): VU041001.D (-1704) (-)

Ion 85.00 (84.70 to 85.70): VU041001.D (-1704) (-)

Ion 126.90 (126.60 to 127.60): VU041001.D (-1704) (-)

150000

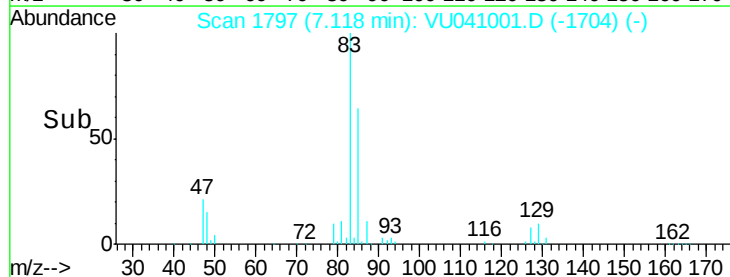
100000

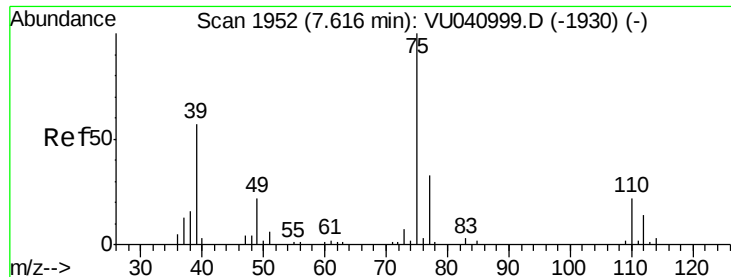
50000

0

7.00 7.10 7.20

Time-->

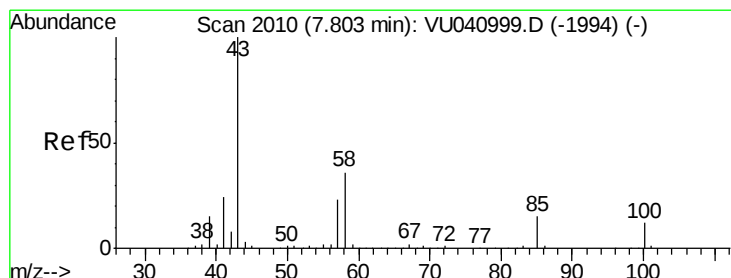
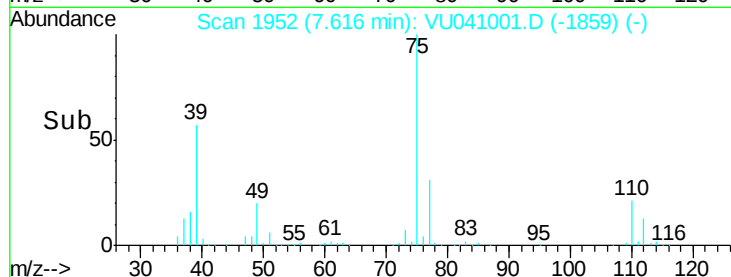
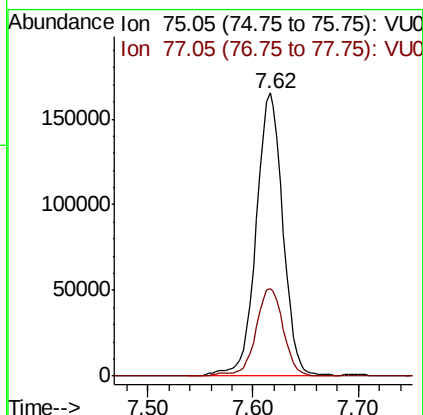
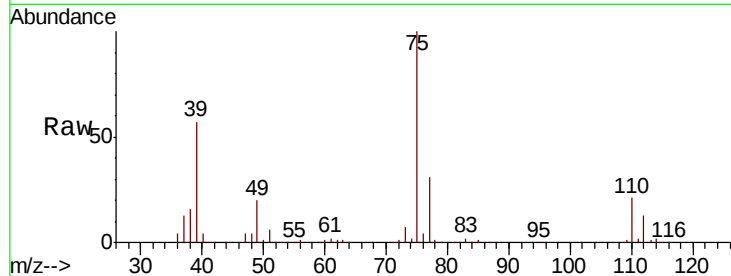




#39
 cis-1,3-Dichloropropene
 Concen: 19.021 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

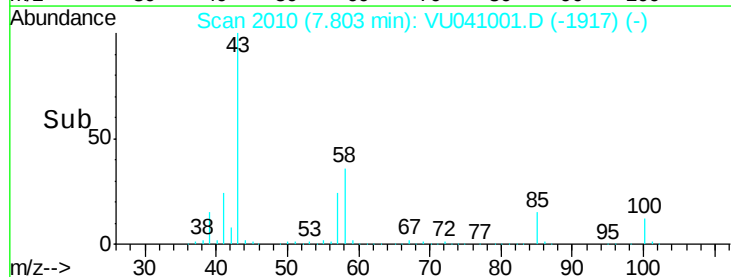
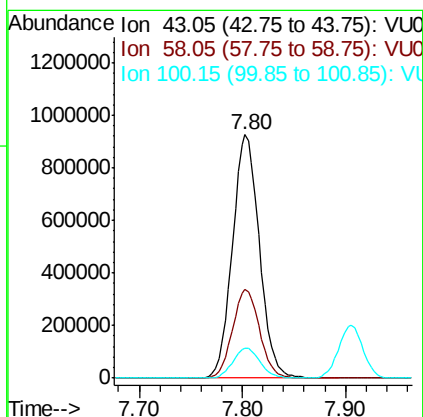
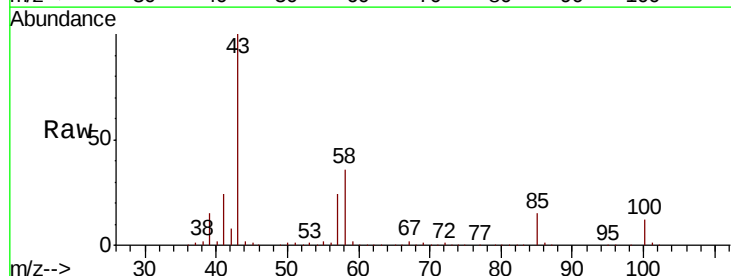
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020106

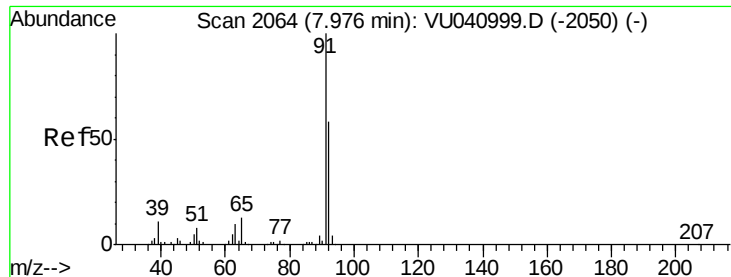
Tot Ion: 75 Resp: 292892
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 195.634 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Tgt Ion: 43 Resp: 1688491
 Ion Ratio Lower Upper
 43 100
 58 36.6 28.6 43.0
 100 12.4 9.6 14.4





#42

Toluene

Concen: 18.257 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

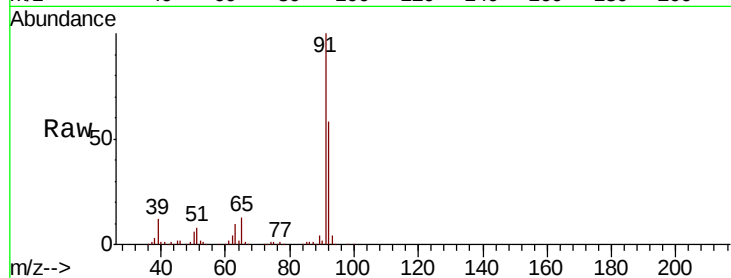
VSTD020106

Tot Ion: 91 Resp: 755398

Ion Ratio Lower Upper

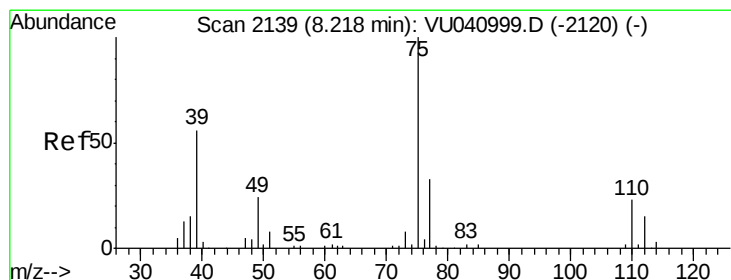
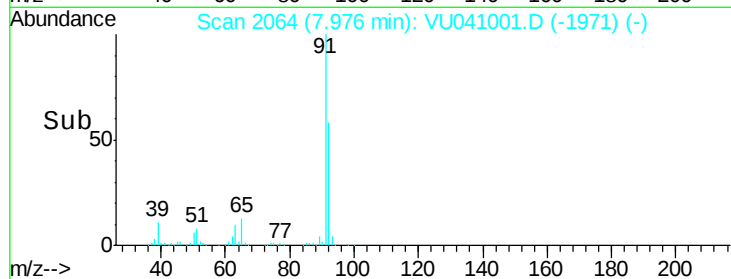
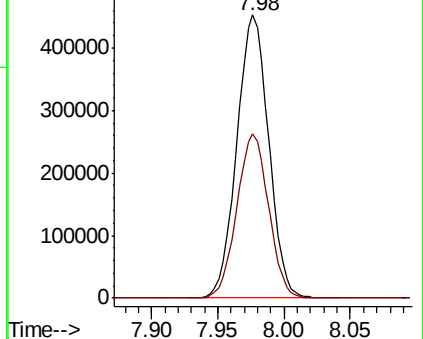
91 100

92 57.9 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 19.031 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU041001.D

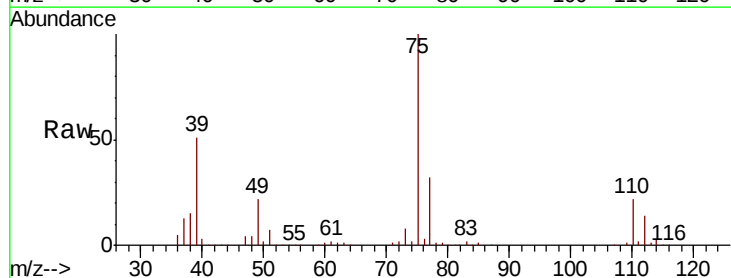
Acq: 28 Oct 2020 18:31

Tgt Ion: 75 Resp: 270753

Ion Ratio Lower Upper

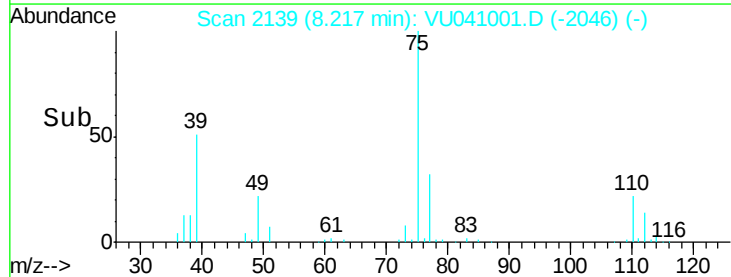
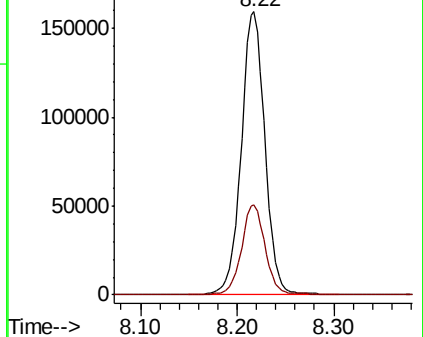
75 100

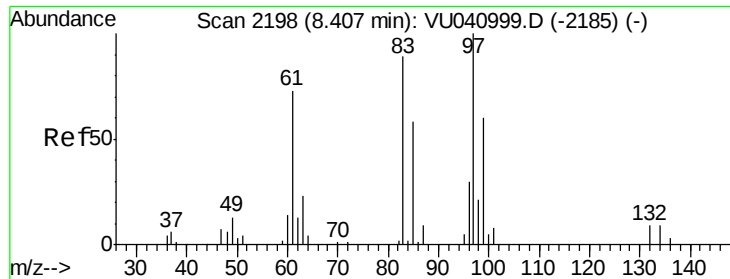
77 31.7 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 18.069 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD020106

Tot Ion: 97 Resp: 140976

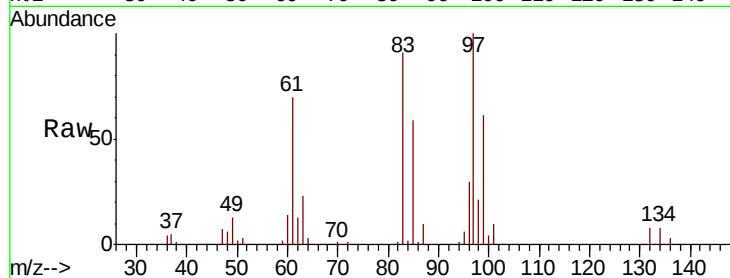
Ion Ratio Lower Upper

97 100

99 60.8 41.8 77.6

83 90.6 62.2 115.6

85 59.1 40.3 74.8

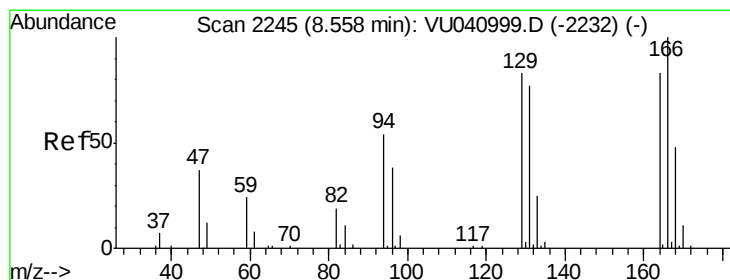
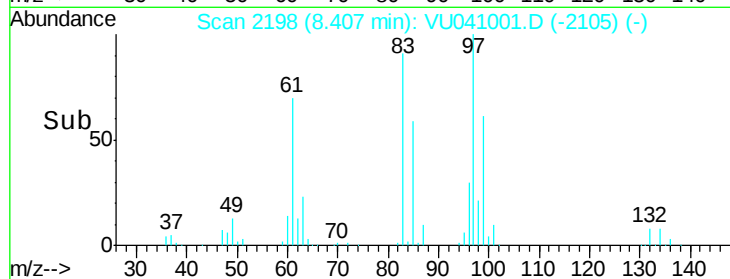
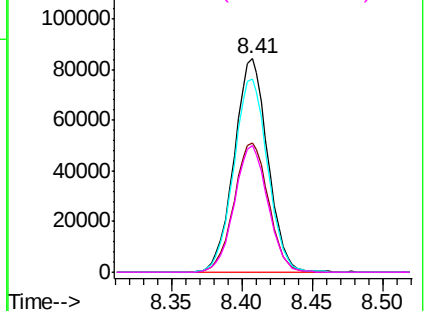


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 17.128 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Tgt Ion:164 Resp: 131384

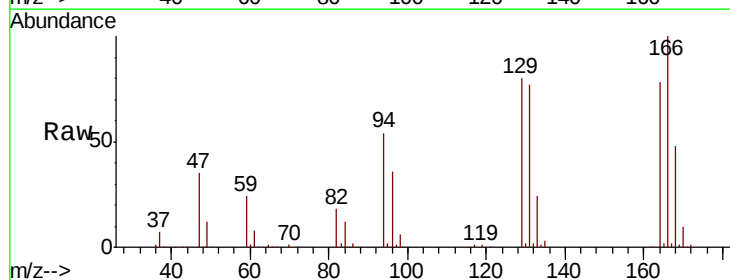
Ion Ratio Lower Upper

164 100

129 102.3 69.9 129.7

131 98.8 65.0 120.6

166 127.8 84.1 156.1

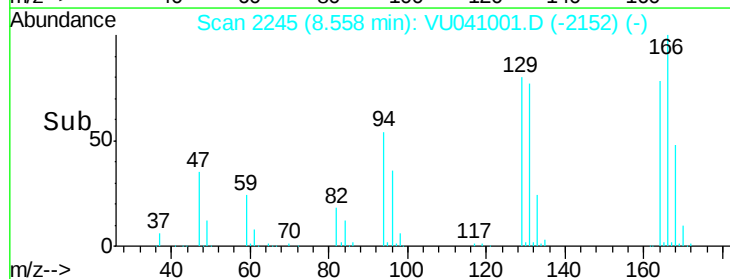
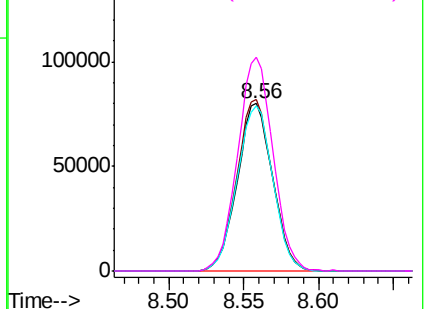


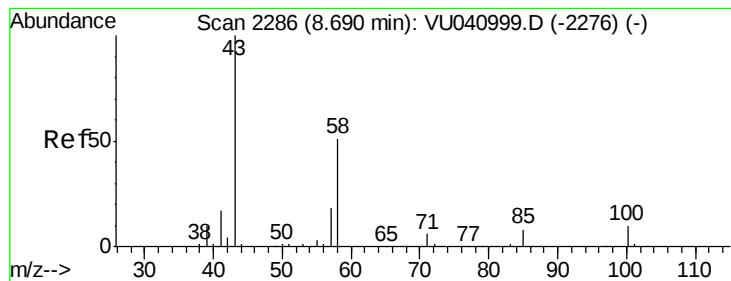
Abundance Ion 163.90 (163.60 to 164.60): V

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: 196.185 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD020106

Tot Ion: 43 Resp: 1237737

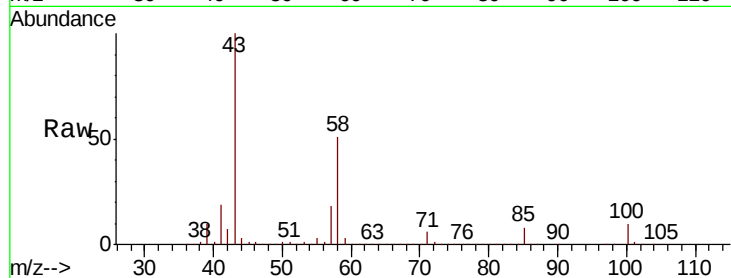
Ion Ratio Lower Upper

43 100

58 50.5 39.9 59.9

57 18.1 14.1 21.1

100 9.6 7.5 11.3

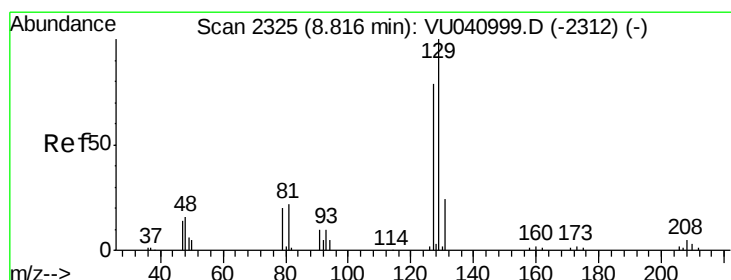
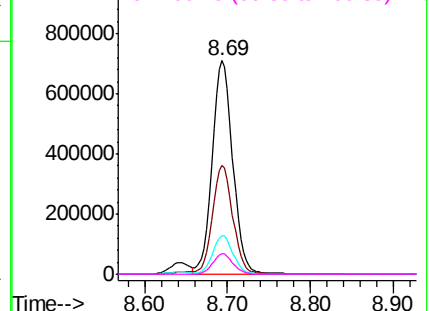
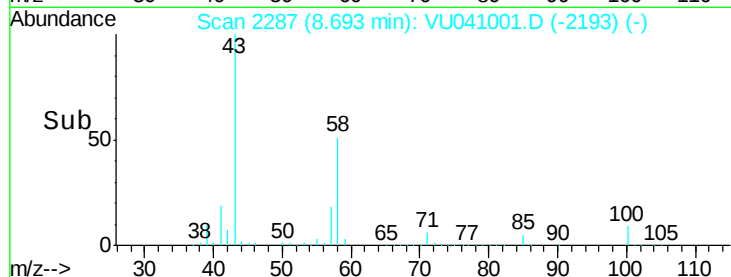


Abundance Ion 43.05 (42.75 to 43.75): VU041001.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041001.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041001.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041001.D (-2193) (-)



#49

Dibromochloromethane

Concen: 19.102 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU041001.D

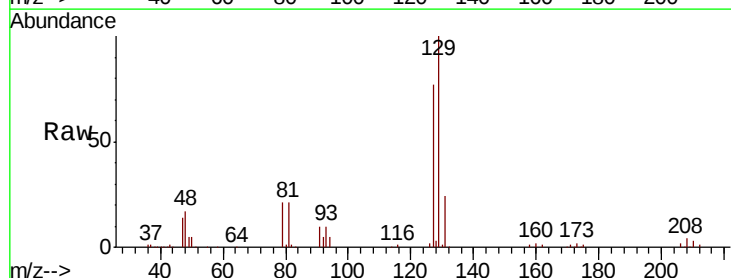
Acq: 28 Oct 2020 18:31

Tgt Ion: 129 Resp: 171234

Ion Ratio Lower Upper

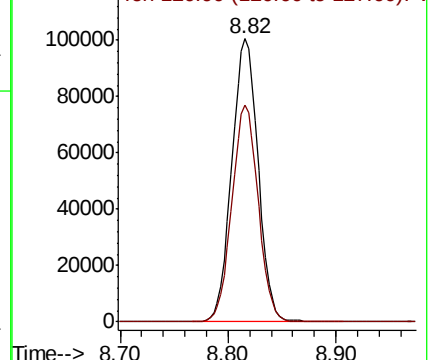
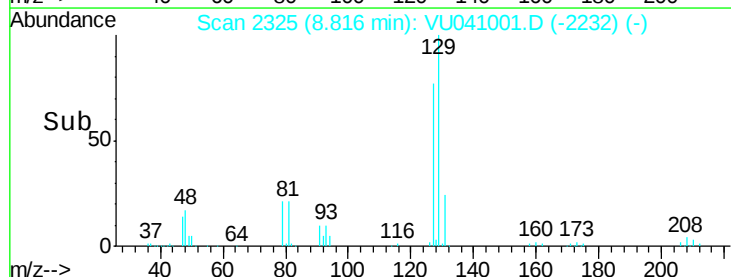
129 100

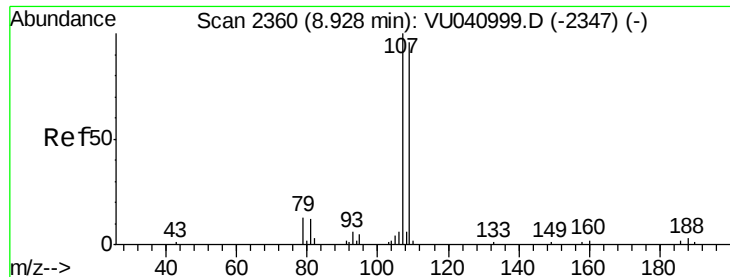
127 76.6 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): VU041001.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU041001.D (-2232) (-)

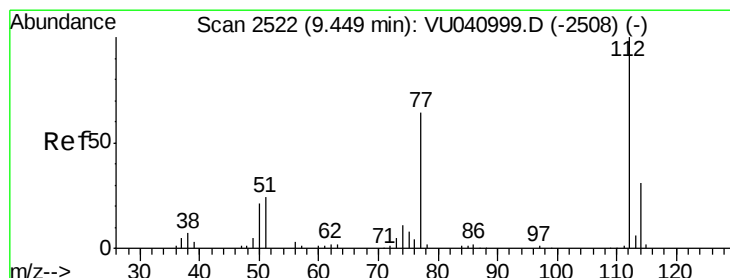
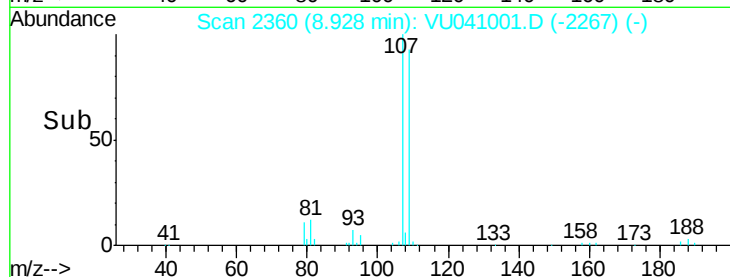
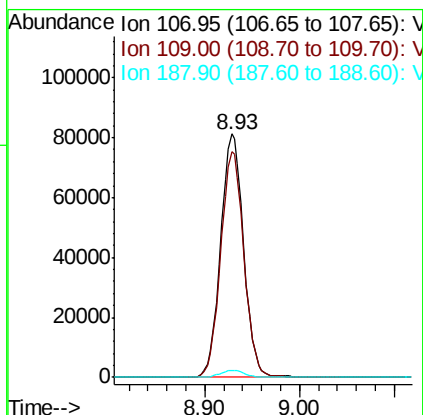
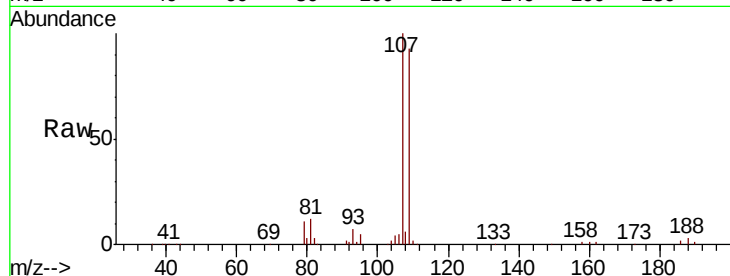




#50
 1,2-Dibromoethane
 Concen: 18.220 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

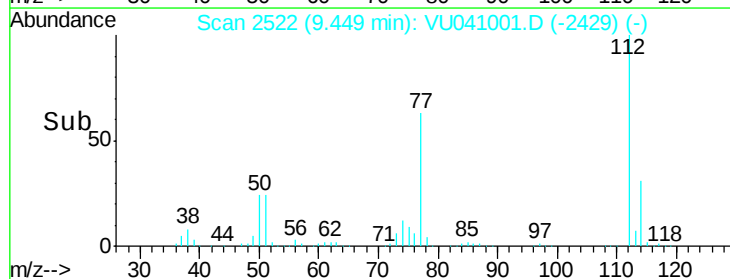
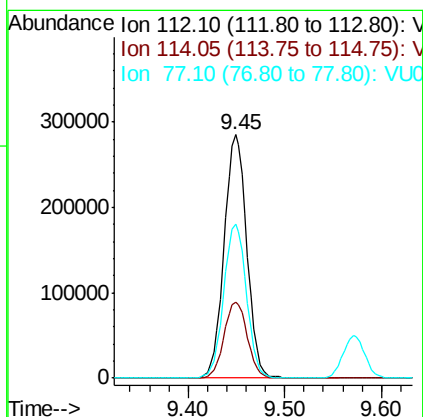
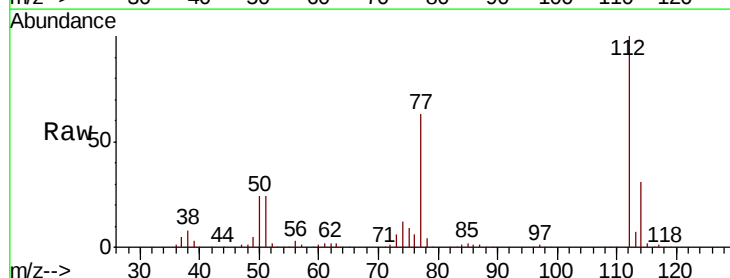
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020106

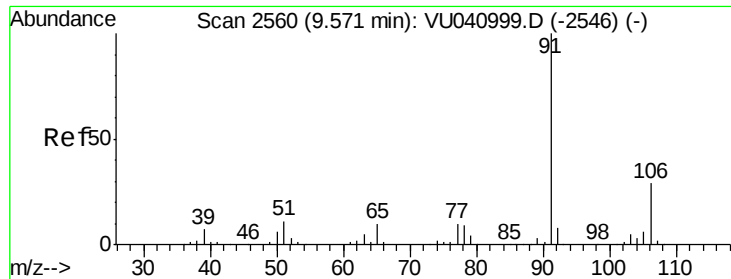
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	67.1	124.5
188	2.9	2.3	3.5



#51
 Chlorobenzene
 Concen: 17.435 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.9	40.7
77	63.3	51.4	77.2





#52

Ethylbenzene

Concen: 18.592 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

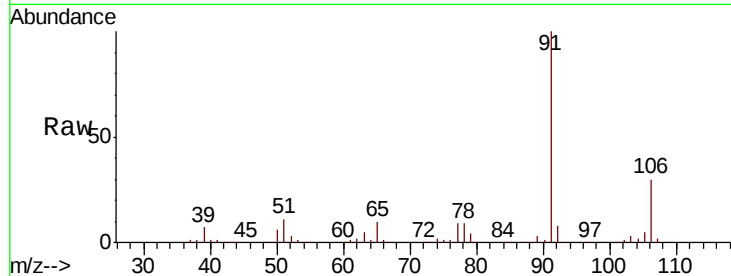
VSTD020106

Tot Ion: 91 Resp: 838847

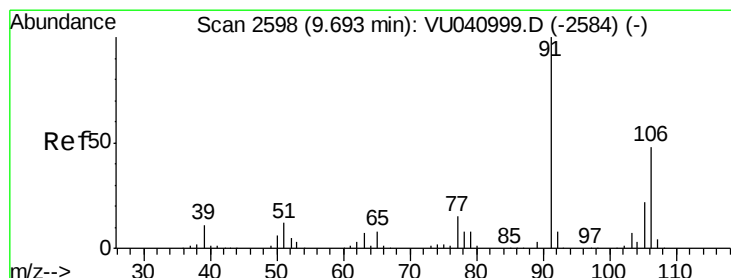
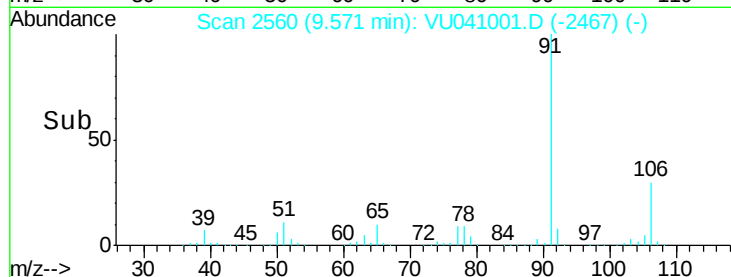
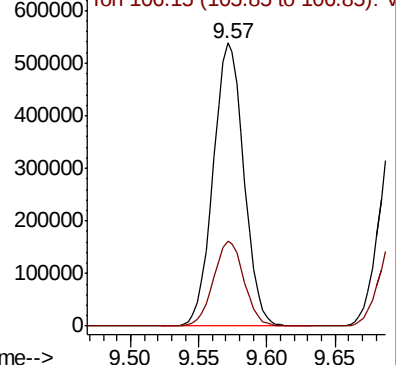
Ion Ratio Lower Upper

91 100

106 29.9 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU041001.D (-2467) (-)



#53

m,p-Xylene

Concen: 18.631 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041001.D

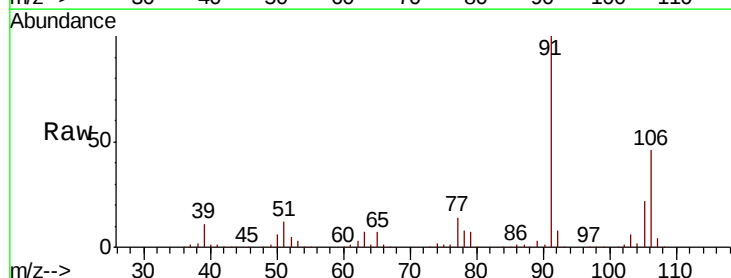
Acq: 28 Oct 2020 18:31

Tgt Ion: 106 Resp: 302898

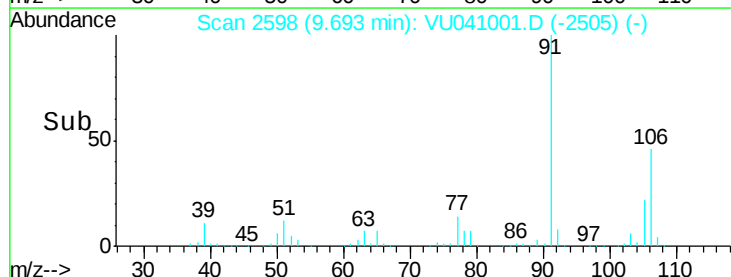
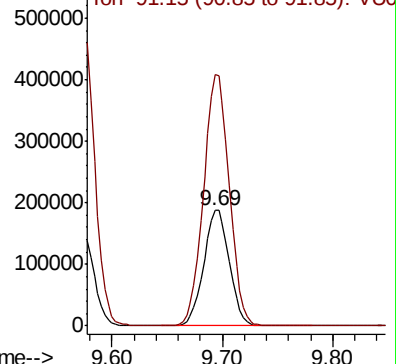
Ion Ratio Lower Upper

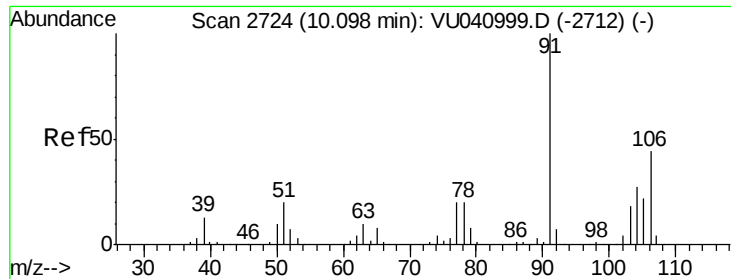
106 100

91 217.5 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU041001.D (-2505) (-)

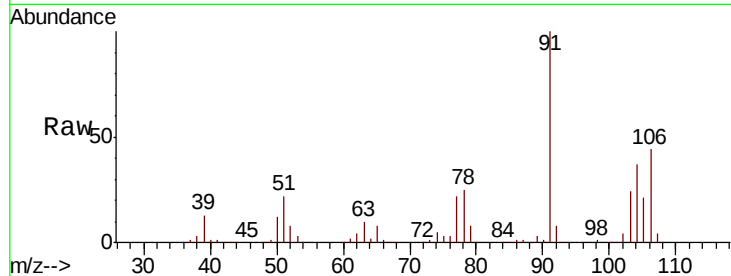




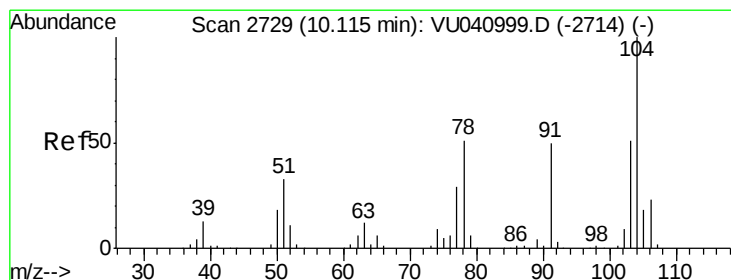
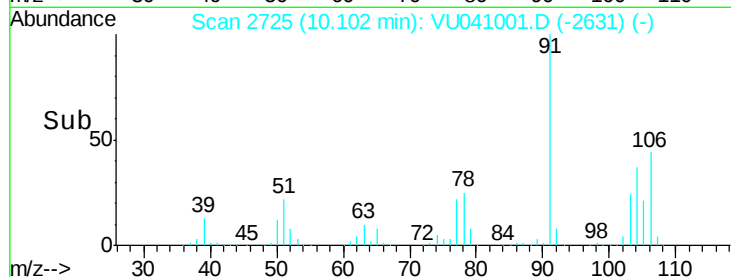
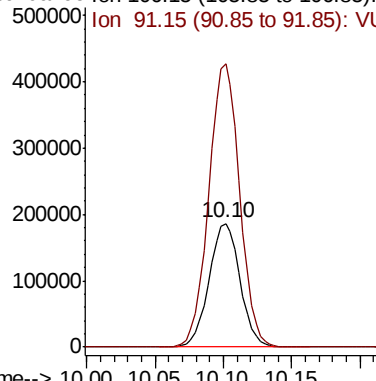
#54
o-Xylene
Concen: 18.640 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD020106

Tot Ion:106 Resp: 291719
Ion Ratio Lower Upper
106 100
91 228.7 158.3 294.1

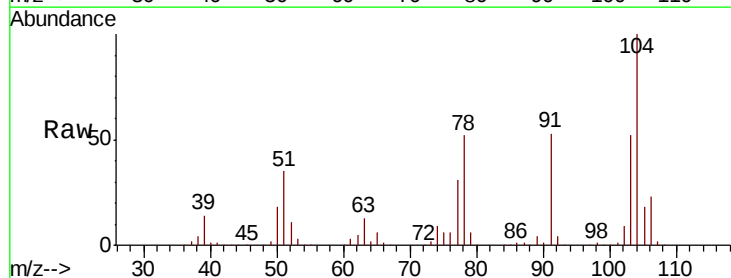


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

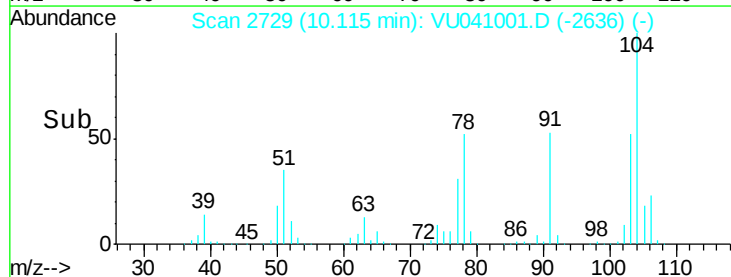
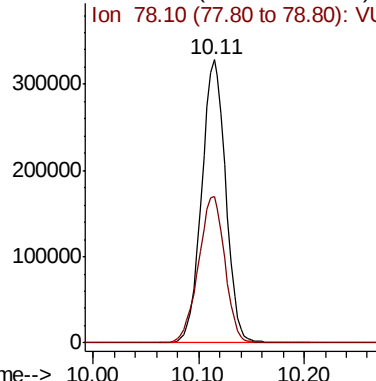


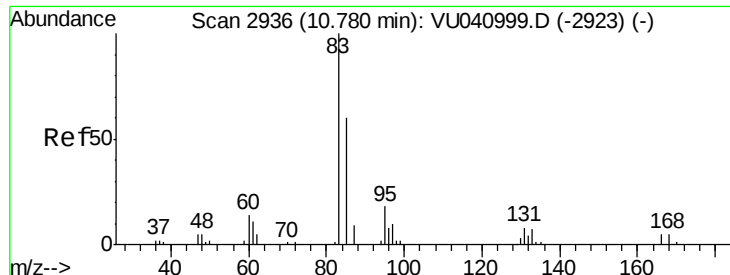
#55
Styrene
Concen: 19.081 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

Tgt Ion:104 Resp: 515768
Ion Ratio Lower Upper
104 100
78 51.7 35.6 66.2



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

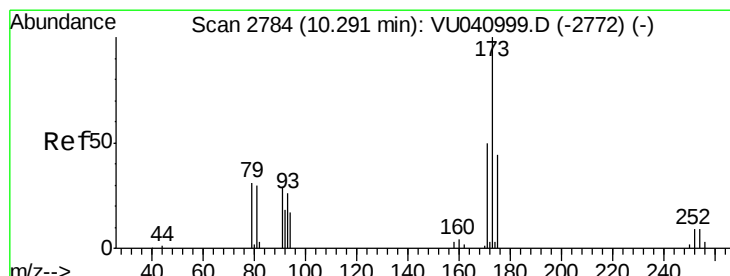
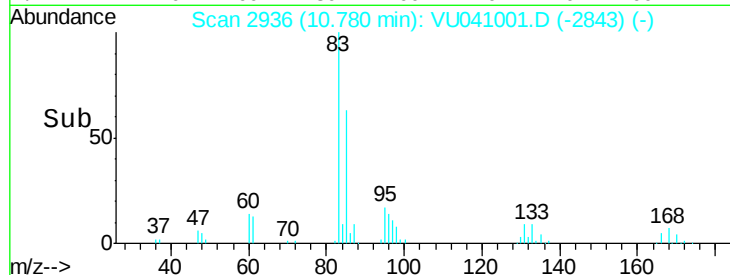
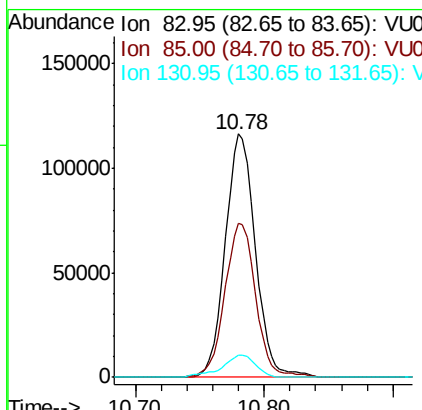
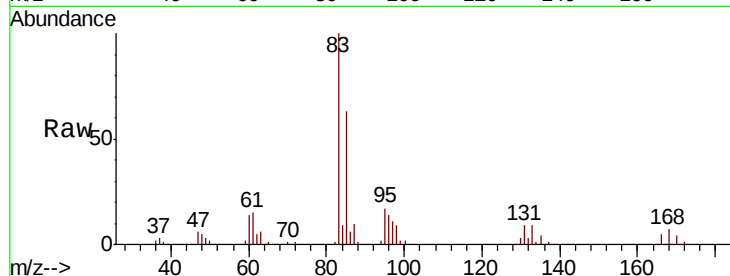




#57
 1,1,2,2-Tetrachloroethane
 Concen: 18.345 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

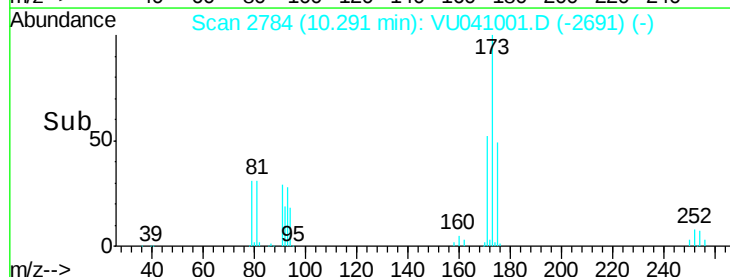
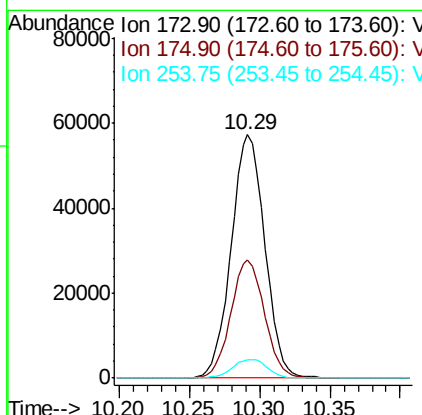
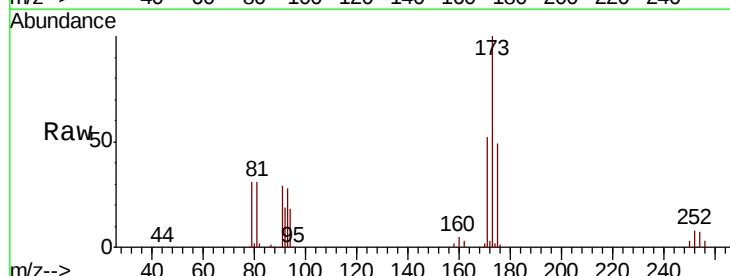
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020106

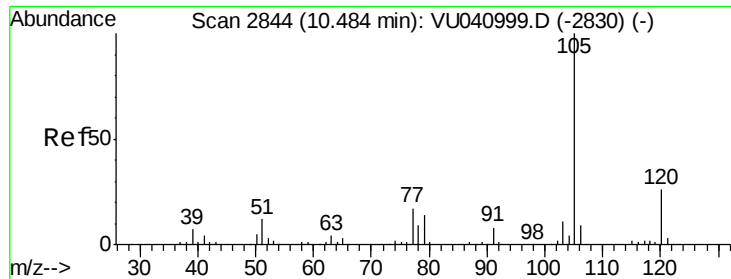
Tot Ion: 83 Resp: 188519
 Ion Ratio Lower Upper
 83 100
 85 63.0 42.1 78.3
 131 9.1 6.7 10.1



#59
 Bromoform
 Concen: 19.222 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Tgt Ion: 173 Resp: 95565
 Ion Ratio Lower Upper
 173 100
 175 48.5 36.7 55.1
 254 7.9 6.5 9.7





#60

Isopropylbenzene

Concen: 19.117 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD020106

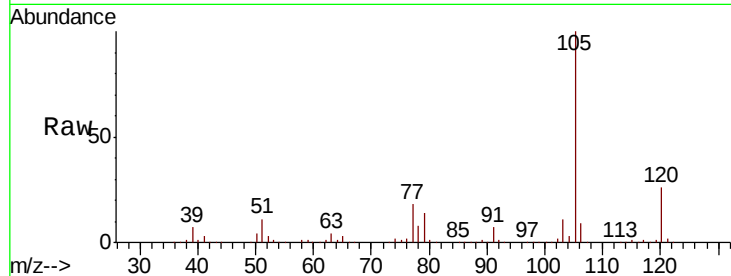
Tot Ion:105 Resp: 801742

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.4

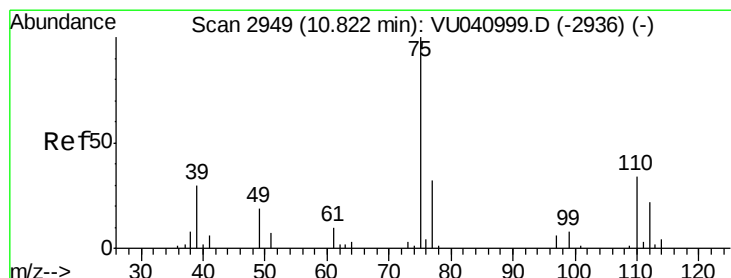
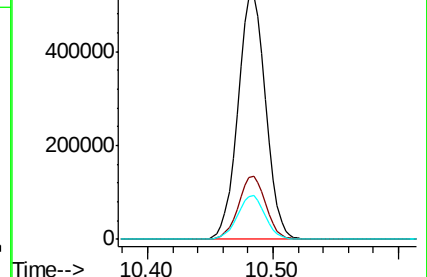
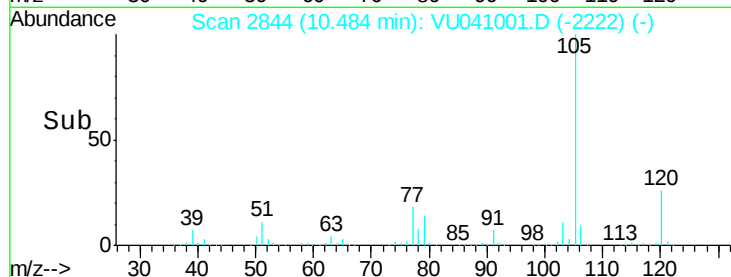
77 17.6 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 18.068 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041001.D

Acq: 28 Oct 2020 18:31

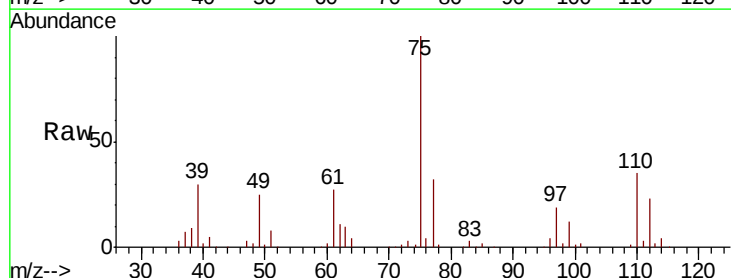
Tgt Ion: 75 Resp: 143380

Ion Ratio Lower Upper

75 100

110 35.1 27.5 41.3

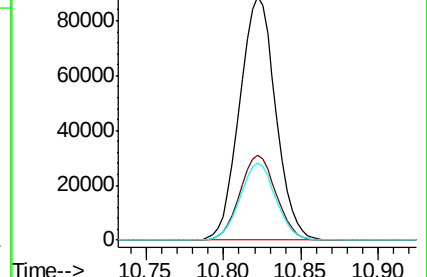
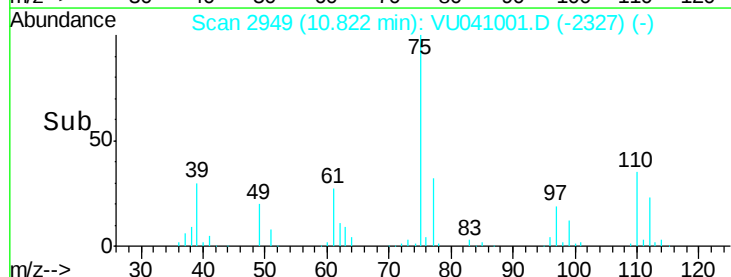
77 31.6 24.9 37.3

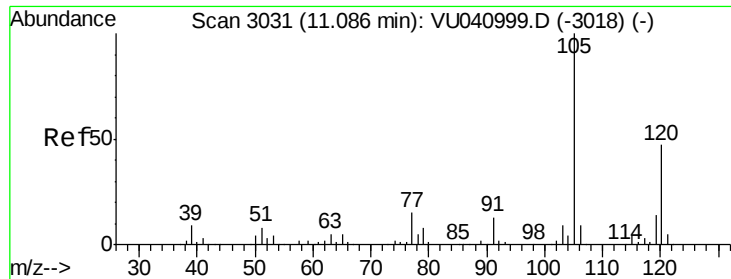


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V

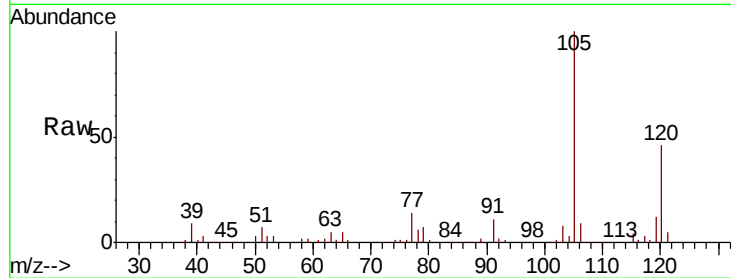




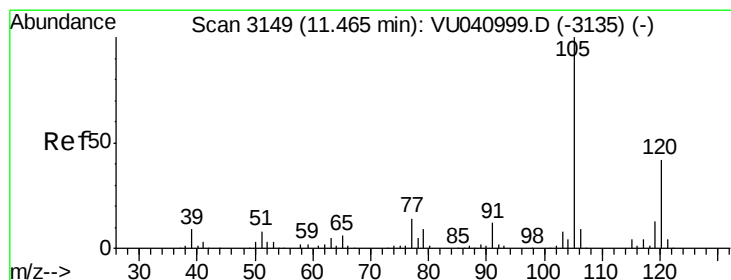
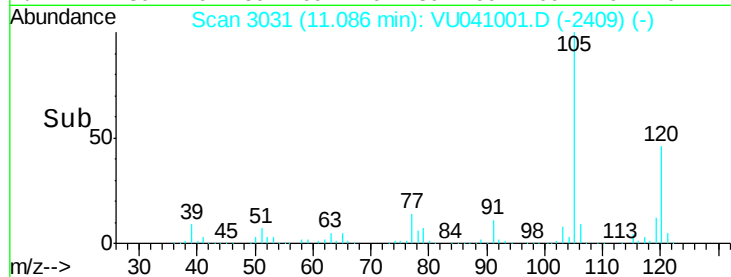
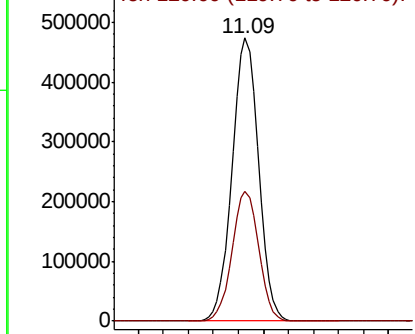
#62
 1,3,5-Trimethylbenzene
 Concen: 20.634 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020106

Tot Ion:105 Resp: 693620
 Ion Ratio Lower Upper
 105 100
 120 46.3 38.0 57.0

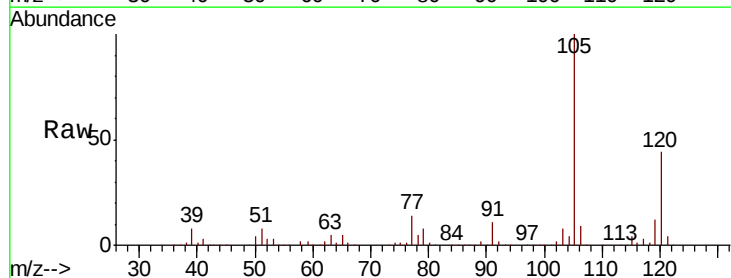


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

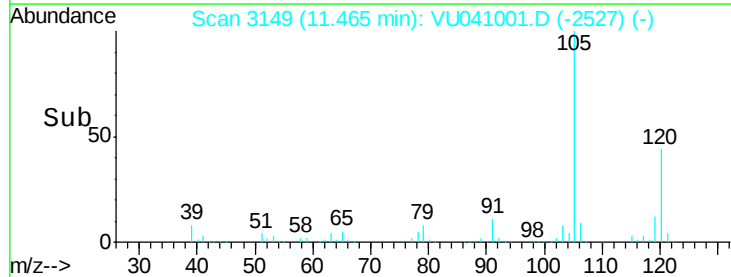
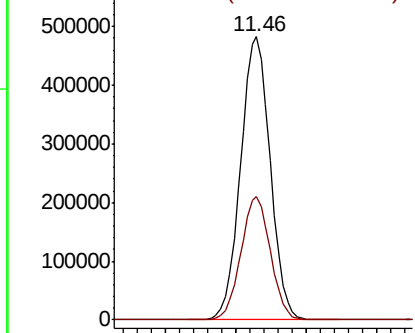


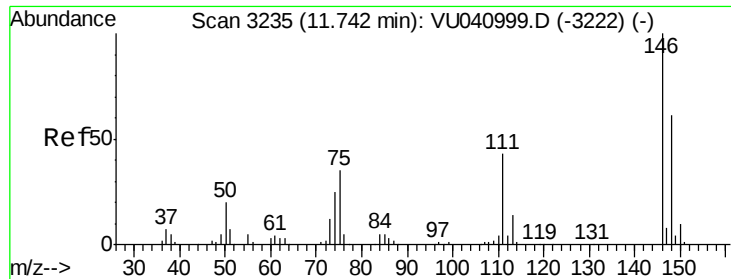
#63
 1,2,4-Trimethylbenzene
 Concen: 20.756 ug/L
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Tgt Ion:105 Resp: 708992
 Ion Ratio Lower Upper
 105 100
 120 43.5 34.6 52.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

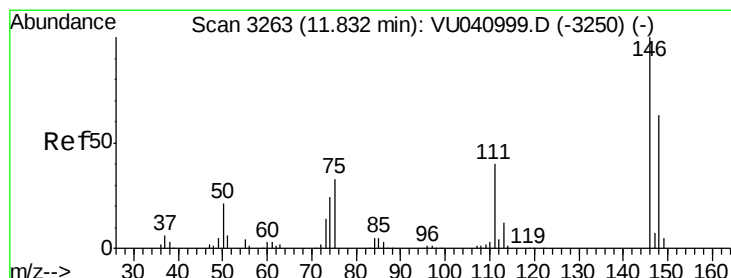
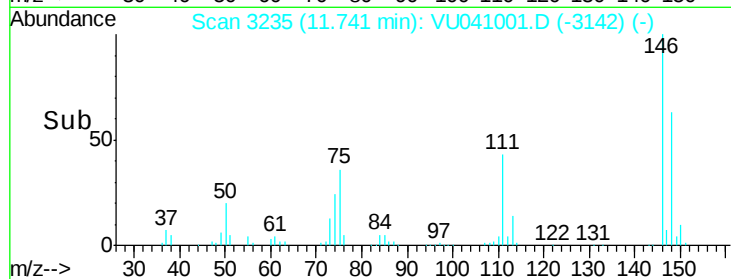
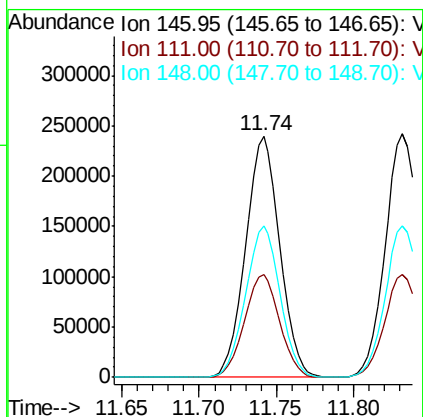
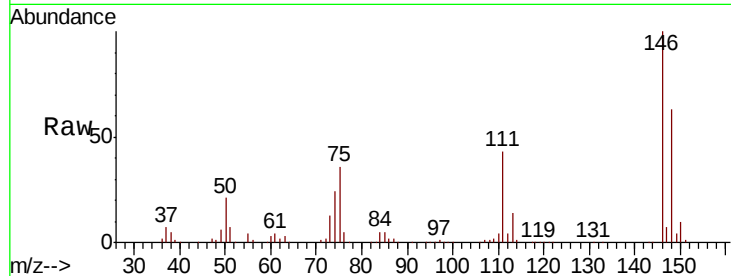




#64
 1,3-Dichlorobenzene
 Concen: 17.644 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

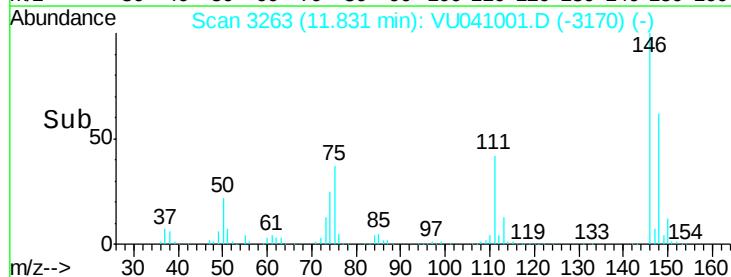
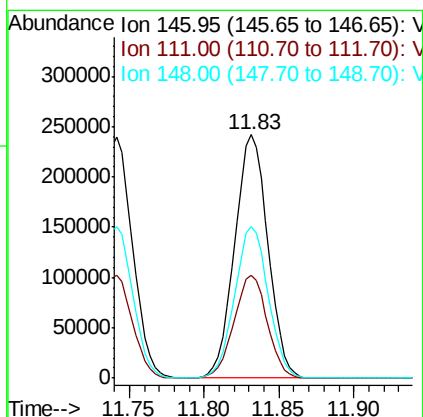
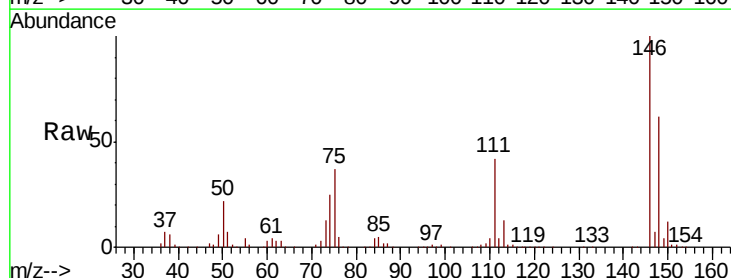
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020106

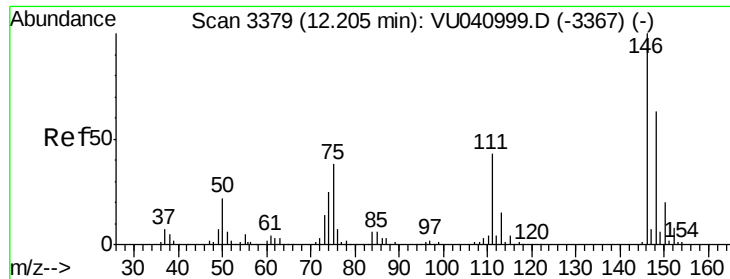
Tot Ion:146 Resp: 368554
 Ion Ratio Lower Upper
 146 100
 111 42.8 30.2 56.0
 148 63.1 42.9 79.7



#65
 1,4-Dichlorobenzene
 Concen: 17.345 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Tgt Ion:146 Resp: 374061
 Ion Ratio Lower Upper
 146 100
 111 42.3 28.3 52.7
 148 62.4 44.1 81.9

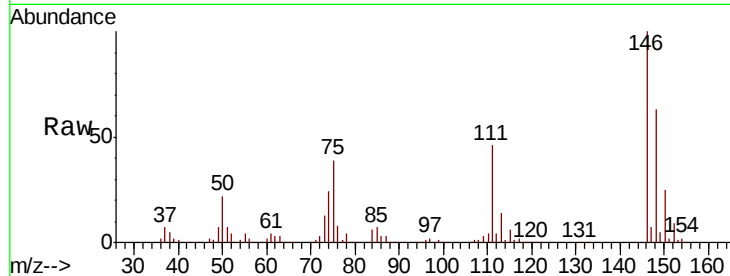




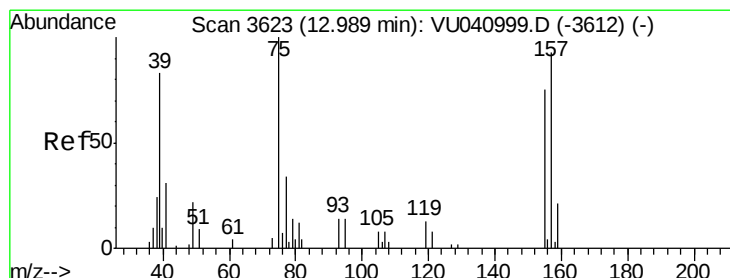
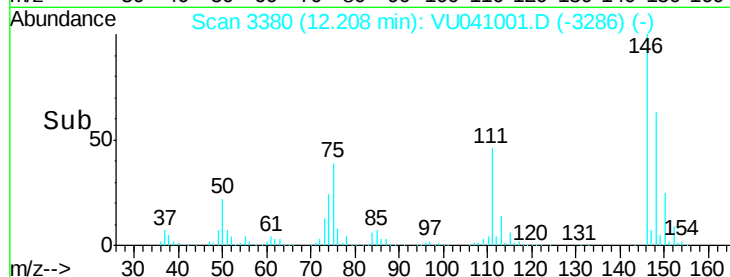
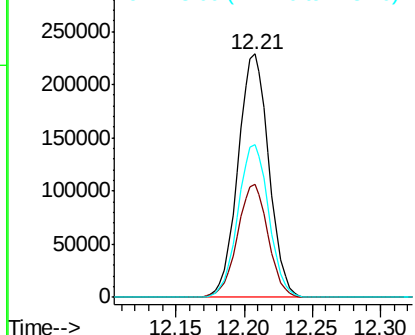
#67
 1,2-Dichlorobenzene
 Concen: 18.237 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020106

Tot Ion:146 Resp: 358509
 Ion Ratio Lower Upper
 146 100
 111 46.3 34.7 52.1
 148 62.7 50.7 76.1

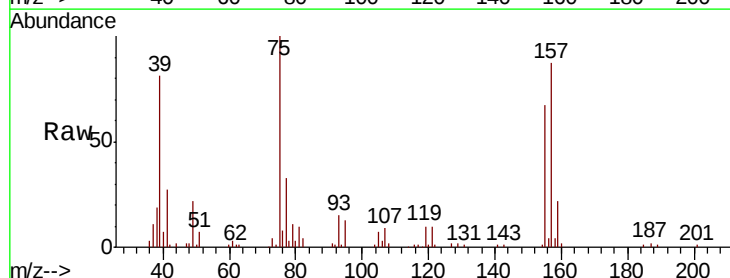


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

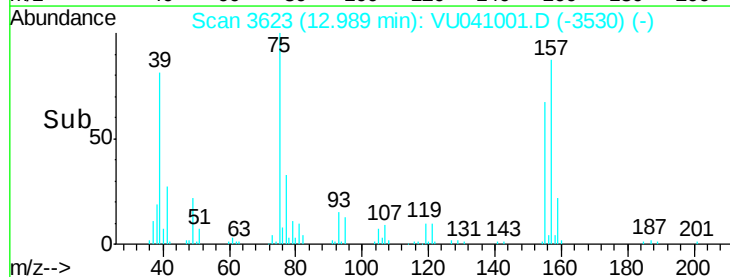
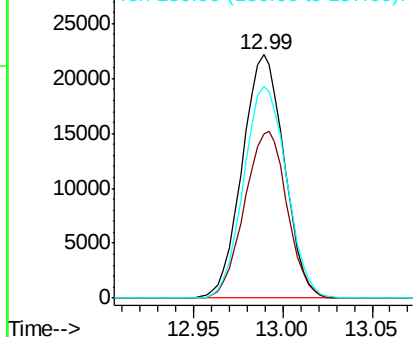


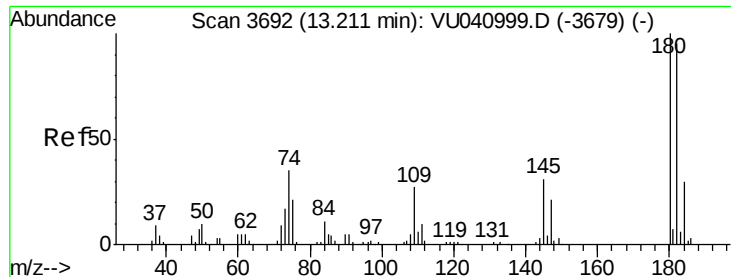
#68
 1,2-Dibromo-3-chloropropane
 Concen: 19.518 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Tgt Ion: 75 Resp: 36464
 Ion Ratio Lower Upper
 75 100
 155 67.4 60.2 90.2
 157 87.0 74.4 111.6



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

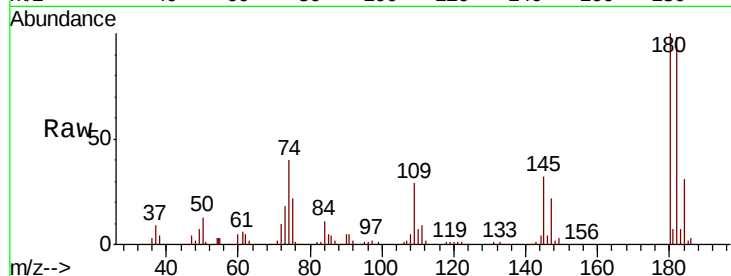




#69
 1,3,5-Trichlorobenzene
 Concen: 18.187 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD020106

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.9	115.3
184	30.5	23.8	35.8
145	32.6	25.2	37.8



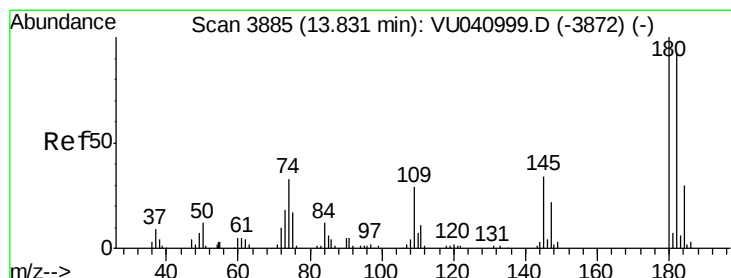
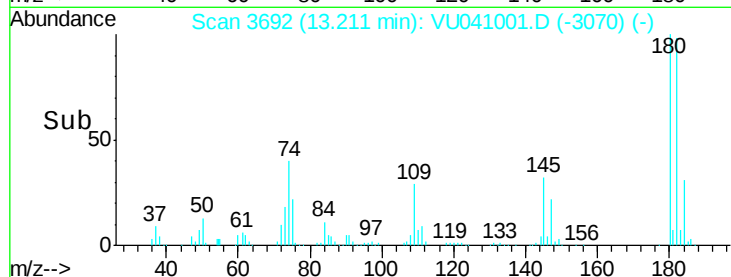
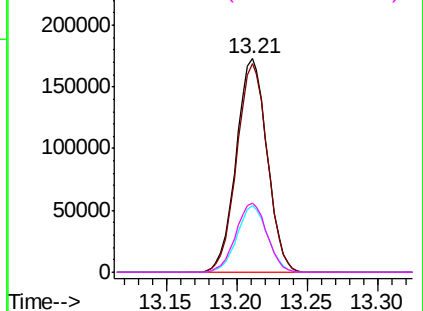
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

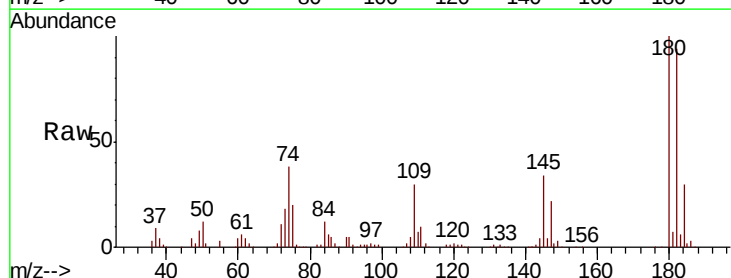
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 20.650 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041001.D
 Acq: 28 Oct 2020 18:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.5	111.7
145	33.7	26.6	39.8

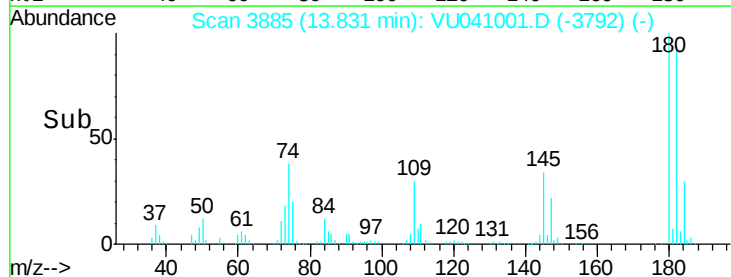
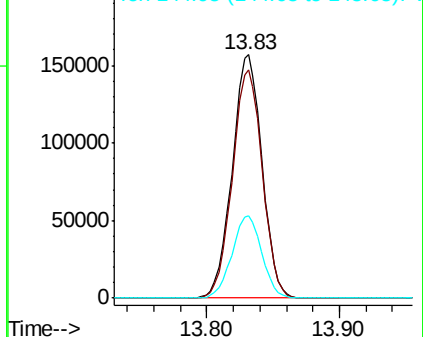


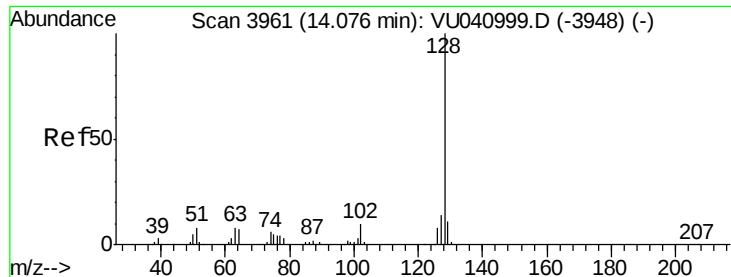
Abundance

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

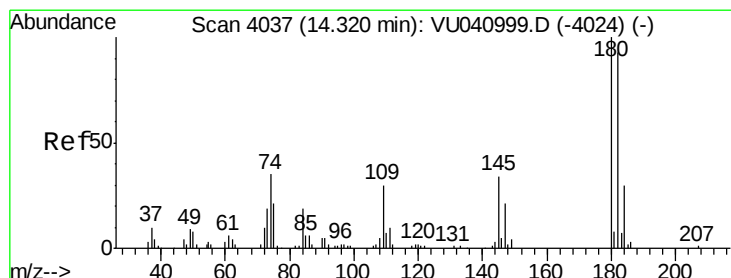
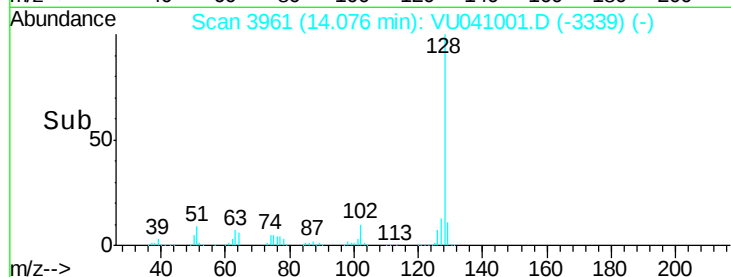
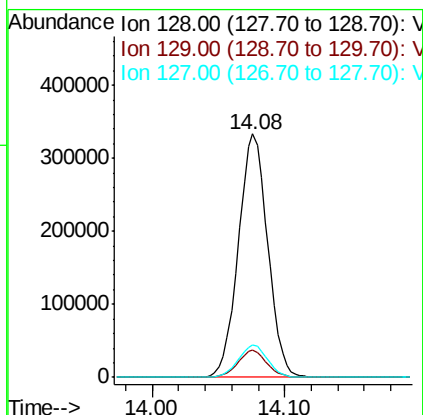
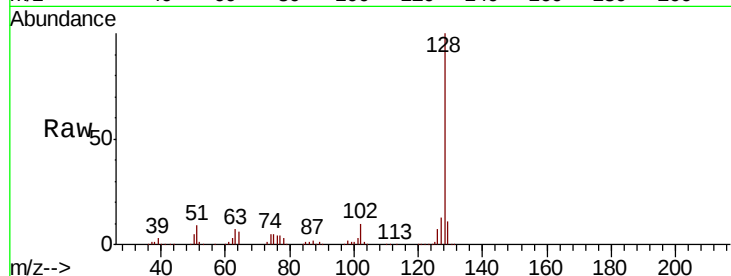




#71
Naphthalene
Concen: 25.106 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD020106

Tot Ion:128 Resp: 510397
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.2 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 21.460 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU041001.D
Acq: 28 Oct 2020 18:31

Tgt Ion:180 Resp: 228799
Ion Ratio Lower Upper
180 100
182 94.3 76.7 115.1
145 35.4 27.4 41.0

