

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040522.D
 Acq On : 06 Oct 2020 12:51
 Operator : SY/MD
 Sample : VSTD00532
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

Quant Time: Oct 07 07:36:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	243046	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	248586	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	116361	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	10739	5.21	ug/L	0.00
7) Chloroethane-d5	1.92	69	8097	5.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	17945	4.53	ug/L	0.00
21) 2-Butanone-d5	4.65	46	15257	8.98	ug/L	0.00
24) Chloroform-d	5.08	84	17723	4.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	13365	5.21	ug/L	0.00
32) Benzene-d6	5.74	84	33403	4.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	11466	4.78	ug/L	0.00
41) Toluene-d8	7.91	98	27935	4.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	5024	4.13	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	7867	7.36	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	16006	4.73	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	11440	5.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5955	3.237 ug/L	99
3) Chloromethane	1.53	50	6563	3.057 ug/L	99
5) Vinyl chloride	1.61	62	6325	2.949 ug/L #	66
6) Bromomethane	1.86	94	3289	2.901 ug/L	98
8) Chloroethane	1.94	64	4067	2.976 ug/L	91
9) Trichlorofluoromethane	2.15	101	7764	2.650 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4628	2.509 ug/L	98
12) 1,1-Dichloroethene	2.59	96	4649	2.707 ug/L #	78
13) Acetone	2.64	43	9527	5.423 ug/L	99
14) Carbon disulfide	2.81	76	15128	2.734 ug/L	99
15) Methyl Acetate	2.96	43	6526	2.433 ug/L	97
16) Methylene chloride	3.06	84	5675	2.801 ug/L	94
17) trans-1,2-Dichloroethene	3.37	96	4549	2.562 ug/L	90
18) Methyl tert-butyl Ether	3.38	73	12502	2.156 ug/L	97
19) 1,1-Dichloroethane	3.89	63	9442	2.552 ug/L	92
20) cis-1,2-Dichloroethene	4.68	96	2303	1.184 ug/L	86
22) 2-Butanone	4.72	43	9650	4.597 ug/L	91
23) Bromochloromethane	4.99	128	2729	2.683 ug/L	85
25) Chloroform	5.11	83	9201	2.461 ug/L	94
27) 1,2-Dichloroethane	5.81	62	8129	2.563 ug/L	100
29) Cyclohexane	5.40	56	6698	1.981 ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	7463	2.328 ug/L	95
31) Carbon tetrachloride	5.54	117	6925	2.484 ug/L	98
33) Benzene	5.79	78	19519	2.412 ug/L	100
34) Trichloroethene	6.55	95	5137	2.477 ug/L	88
35) Methylcyclohexane	6.77	83	6211	1.958 ug/L	95
37) 1,2-Dichloropropane	6.80	63	4993	2.197 ug/L #	92
38) Bromodichloromethane	7.12	83	7702	2.669 ug/L	92
39) cis-1,3-Dichloropropene	7.62	75	6791	2.077 ug/L #	75
40) 4-Methyl-2-pentanone	7.80	43	13779	3.795 ug/L #	92

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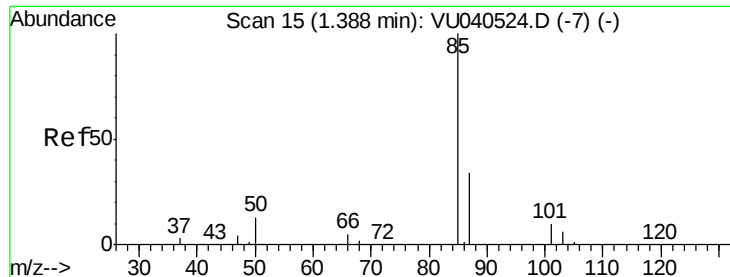
Instrument :
 MSVOA_U
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	17089	2.087	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	6873	2.072	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	4571	2.300	ug/L	91
46) Tetrachloroethene	8.56	164	3601	2.469	ug/L	97
48) 2-Hexanone	8.69	43	11239	3.864	ug/L #	98
49) Dibromochloromethane	8.81	129	4858	2.242	ug/L	90
50) 1,2-Dibromoethane	8.92	107	4971	2.347	ug/L #	92
51) Chlorobenzene	9.45	112	13491	2.487	ug/L	97
52) Ethylbenzene	9.57	91	18453	2.025	ug/L	97
53) m,p-Xylene	9.69	106	6446	1.945	ug/L	85
54) o-xylene	10.10	106	5769	1.781	ug/L	85
55) Styrene	10.11	104	9426	1.694	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	7860	2.254	ug/L	94
59) Bromoform	10.29	173	3456	2.456	ug/L #	94
60) 1,2,3-Trichloropropane	10.82	75	6932	2.560	ug/L	99
61) Isopropylbenzene	10.48	105	14851	1.870	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	11159	1.716	ug/L	97
63) 1,2,4-Trimethylbenzene	11.47	105	10774	1.640	ug/L	98
64) 1,3-Dichlorobenzene	11.74	146	8433	2.227	ug/L	91
65) 1,4-Dichlorobenzene	11.83	146	9436	2.400	ug/L	94
67) 1,2-Dichlorobenzene	12.21	146	9344	2.477	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	2027	2.677	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.21	180	5491	2.243	ug/L #	93
70) 1,2,4-trichlorobenzene	13.83	180	3650	1.736	ug/L	93
71) Naphthalene	14.08	128	7670	1.206	ug/L	97
72) 1,2,3-Trichlorobenzene	14.32	180	3803	1.863	ug/L	96

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

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#2

Dichlorodifluoromethane

Concen: 3.237 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

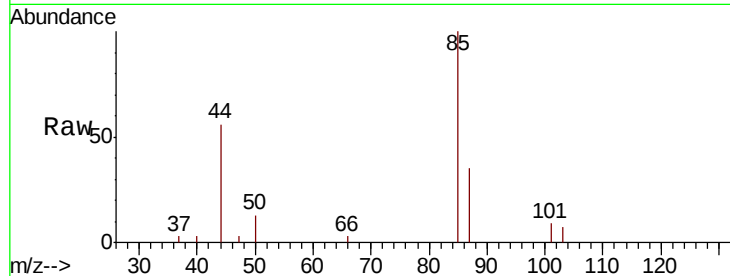
VSTD005202

Tot Ion: 85 Resp: 5955

Ion Ratio Lower Upper

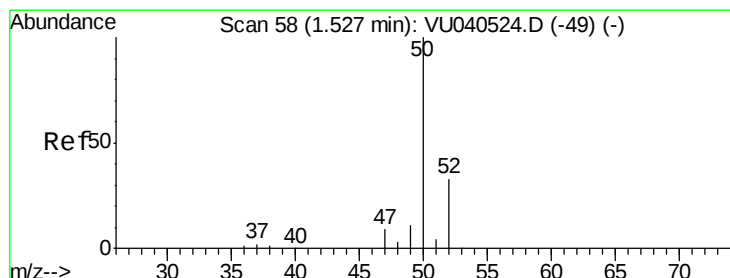
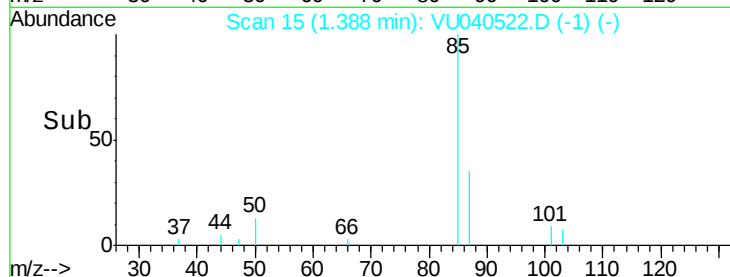
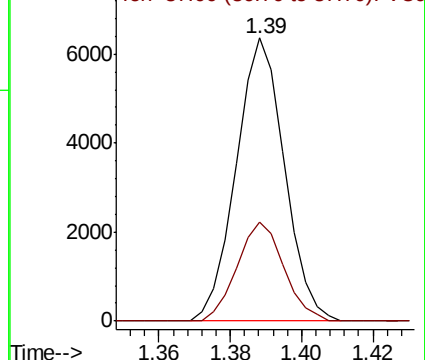
85 100

87 33.8 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 3.057 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040522.D

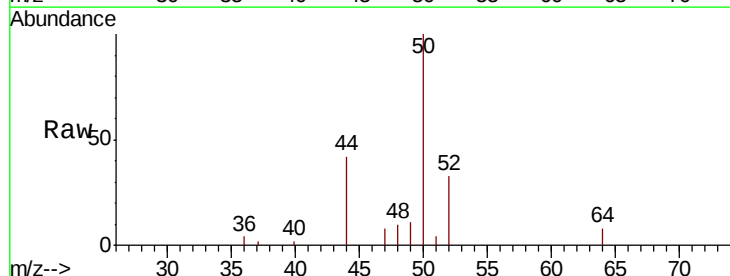
Acq: 06 Oct 2020 12:51

Tgt Ion: 50 Resp: 6563

Ion Ratio Lower Upper

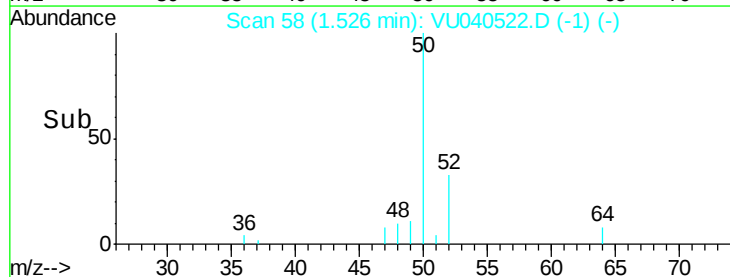
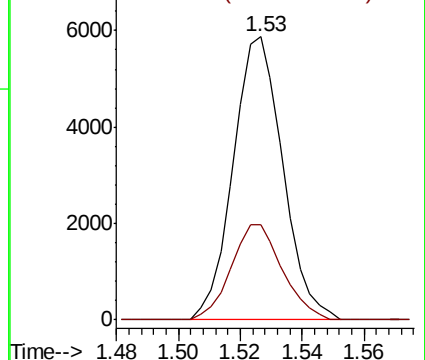
50 100

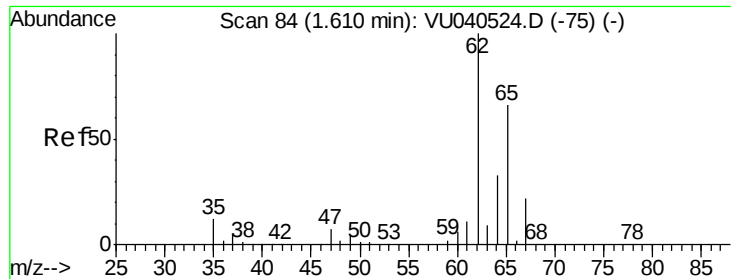
52 33.5 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 2.949 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

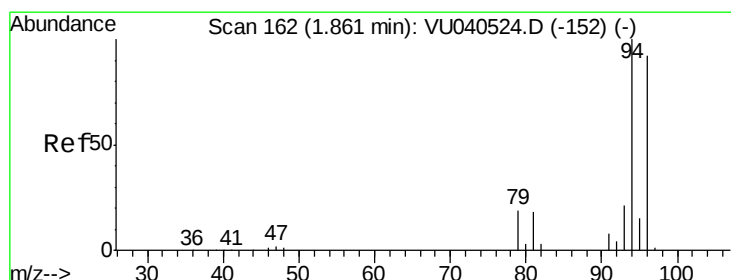
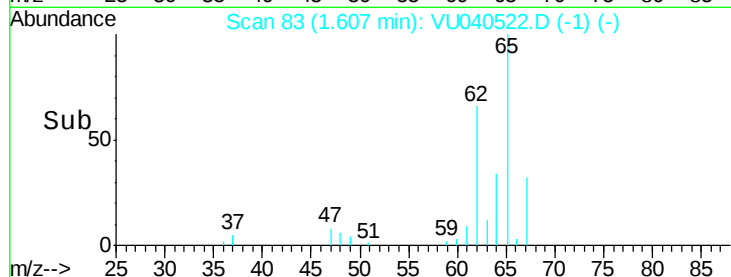
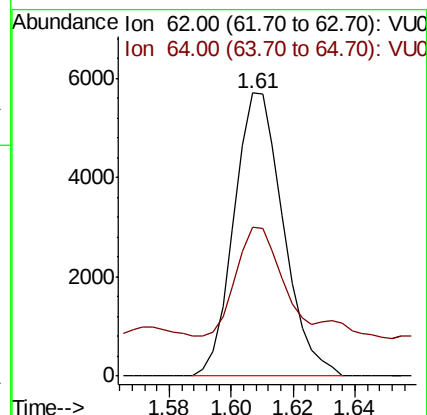
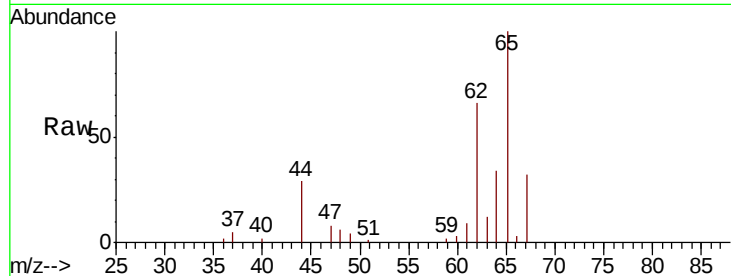
VSTD005202

Tot Ion: 62 Resp: 6325

Ion Ratio Lower Upper

62 100

64 52.6 23.4 43.6#



#6

Bromomethane

Concen: 2.901 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040522.D

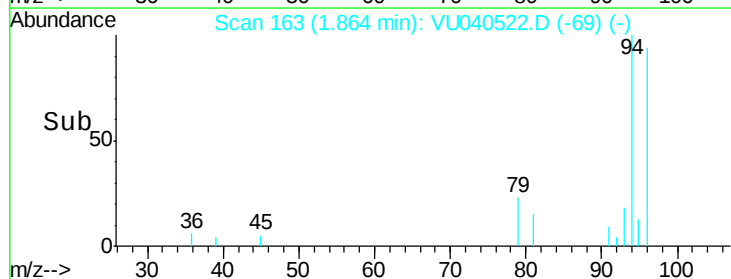
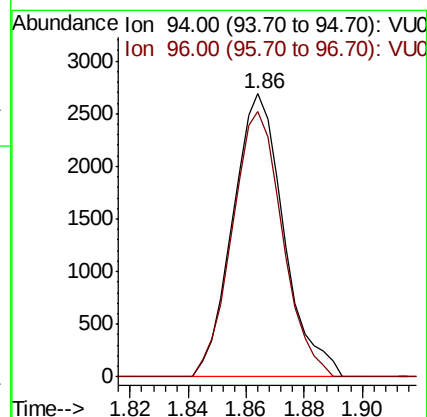
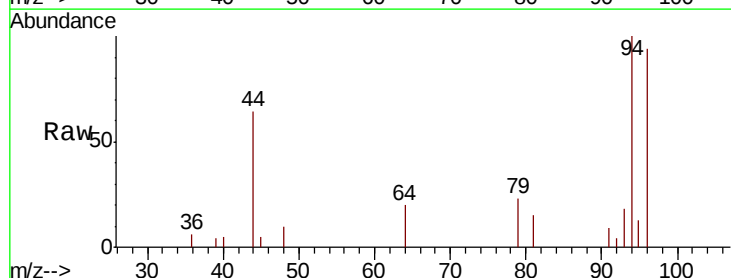
Acq: 06 Oct 2020 12:51

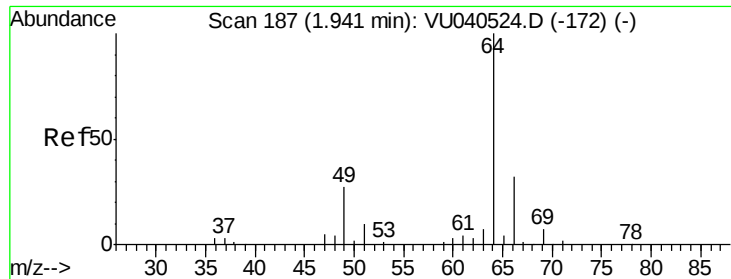
Tgt Ion: 94 Resp: 3289

Ion Ratio Lower Upper

94 100

96 93.8 64.4 119.6

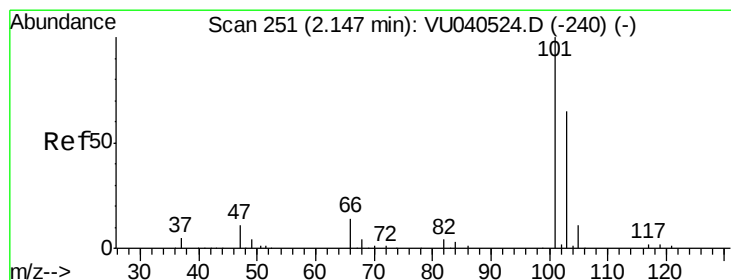
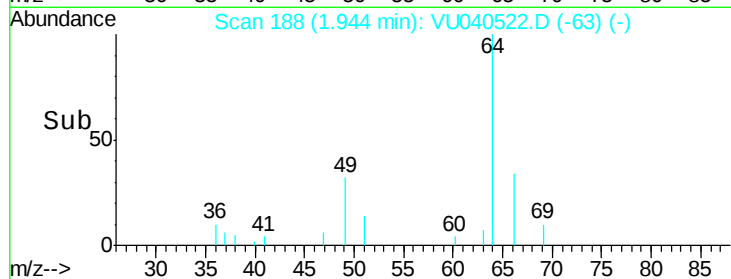
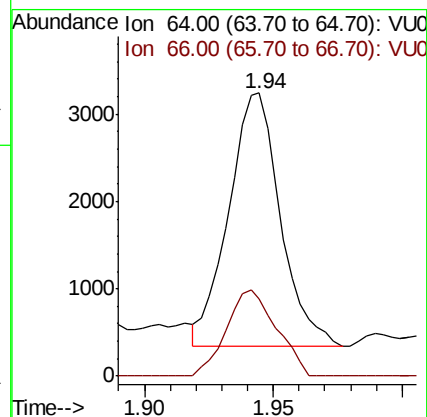
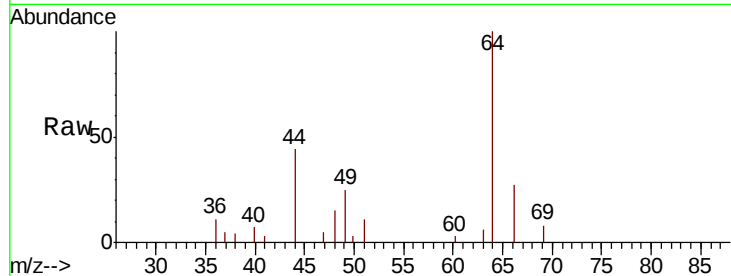




#8
Chloroethane
Concen: 2.976 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

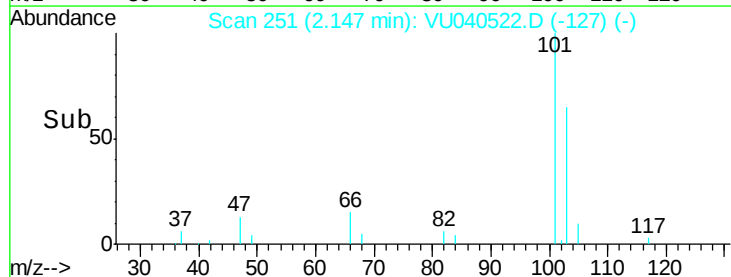
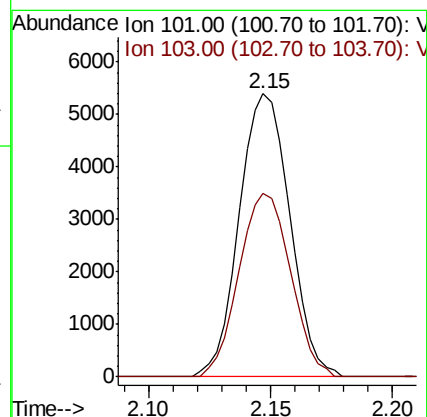
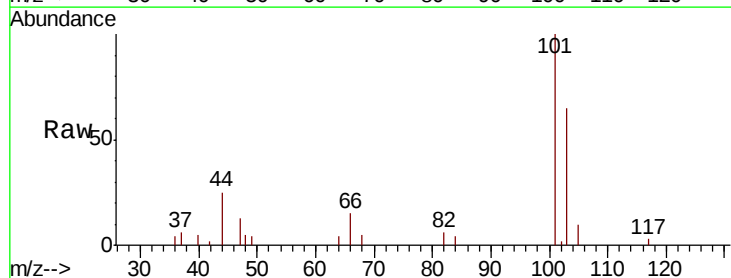
Instrument :
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VSTD005202

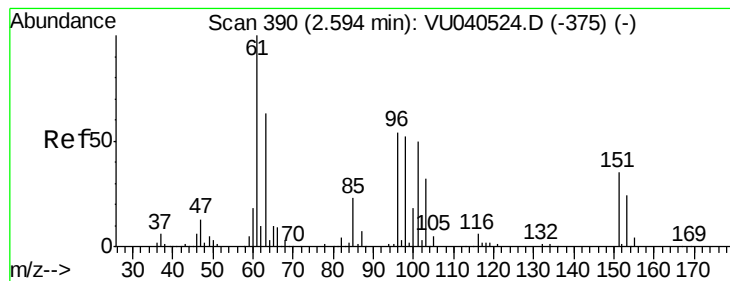
Tot Ion: 64 Resp: 4067
Ion Ratio Lower Upper
64 100
66 27.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.650 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Tgt Ion: 101 Resp: 7764
Ion Ratio Lower Upper
101 100
103 66.2 52.1 78.1





#10

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

Concen: 2.509 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005202

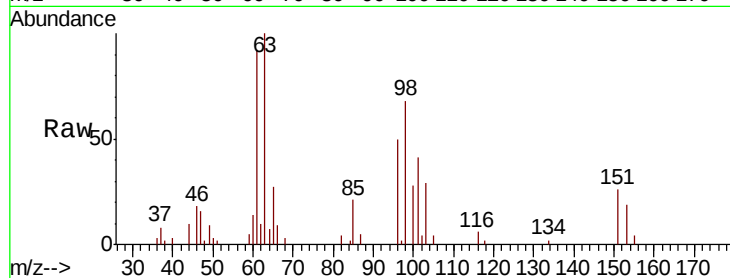
Tot Ion:101 Resp: 4628

Ion Ratio Lower Upper

101 100

85 46.5 35.4 53.2

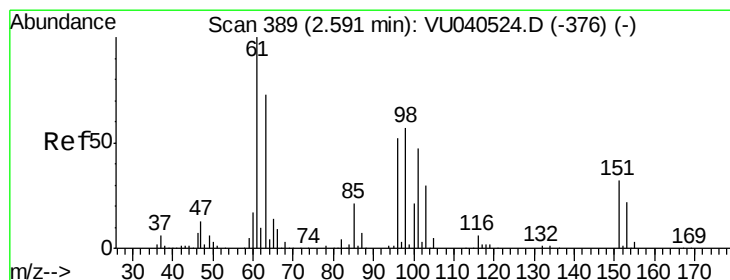
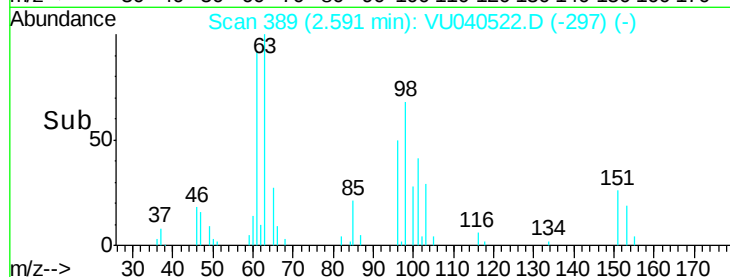
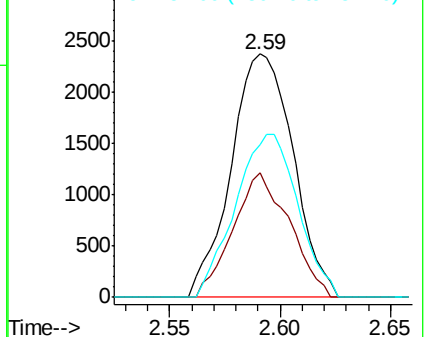
151 67.5 54.8 82.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.707 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

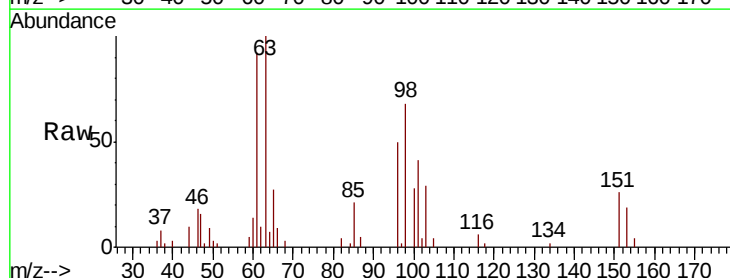
Tgt Ion: 96 Resp: 4649

Ion Ratio Lower Upper

96 100

61 184.2 135.0 250.8

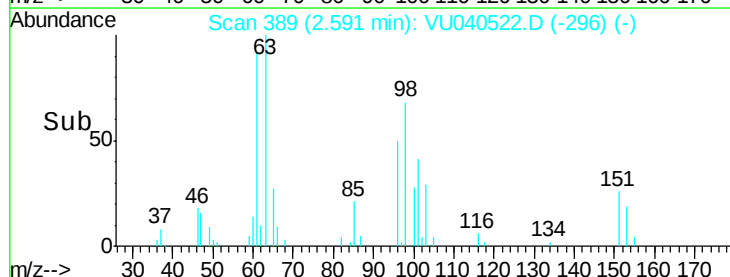
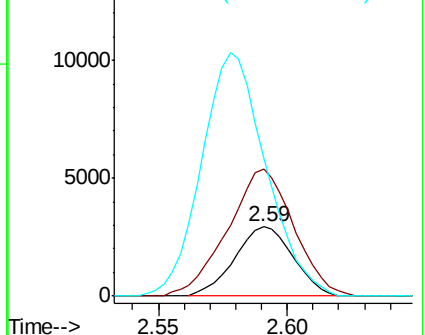
63 199.8 101.4 188.2#

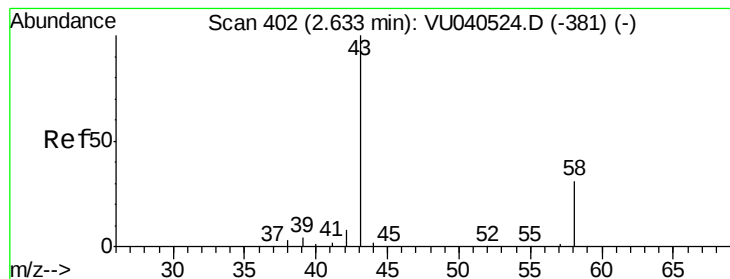


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.423 ug/L

RT: 2.64 min Scan# 404

Delta R.T. 0.01 min

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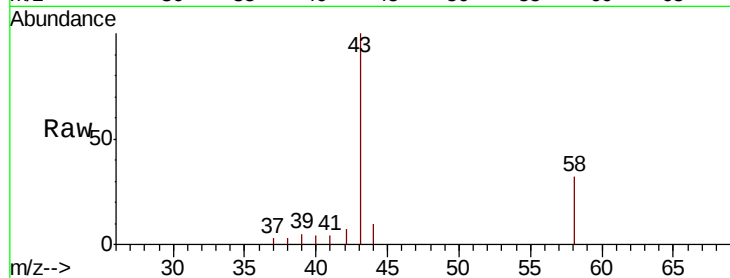
VSTD005202

Tot Ion: 43 Resp: 9527

Ion Ratio Lower Upper

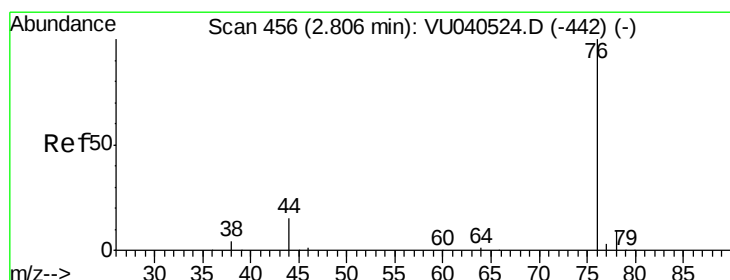
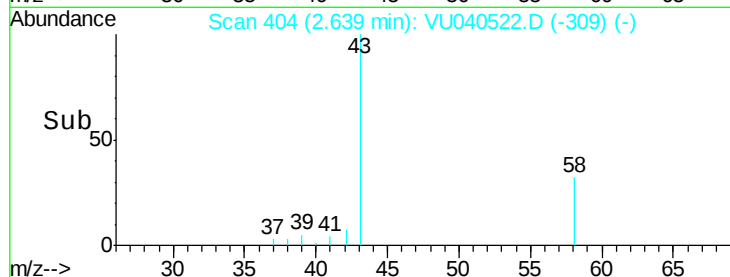
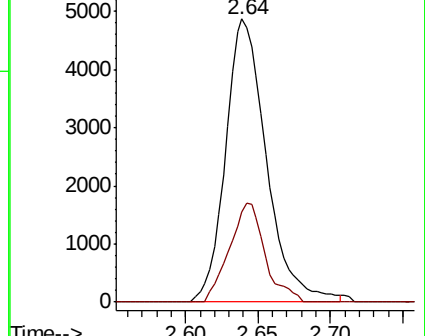
43 100

58 30.4 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 2.734 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040522.D

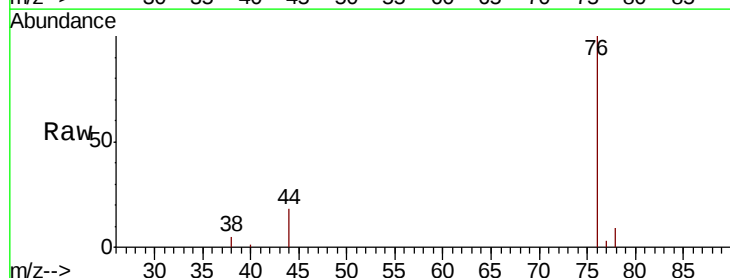
Acq: 06 Oct 2020 12:51

Tgt Ion: 76 Resp: 15128

Ion Ratio Lower Upper

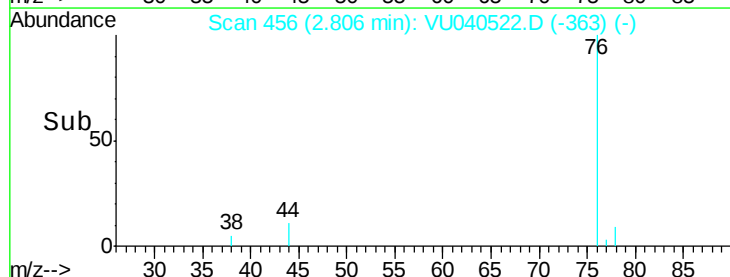
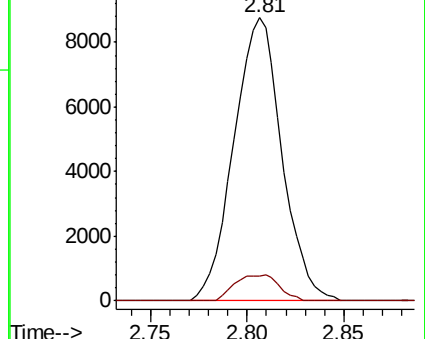
76 100

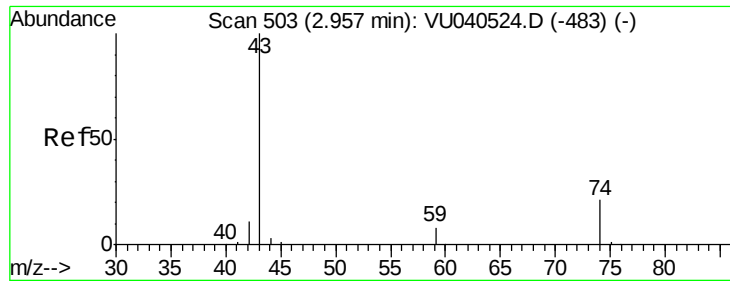
78 8.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

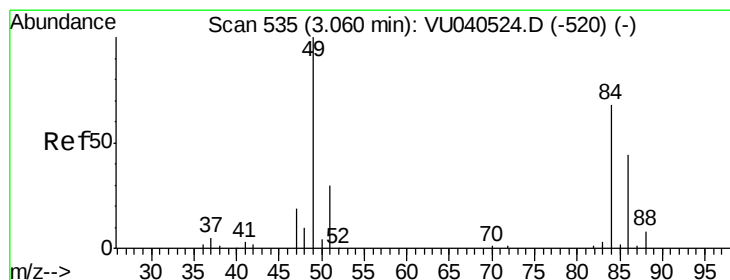
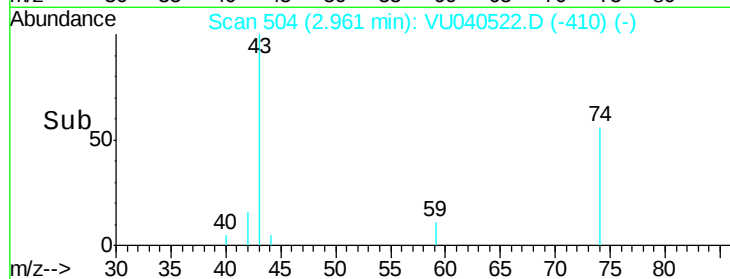
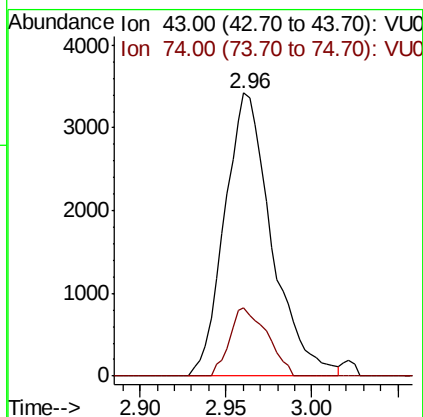
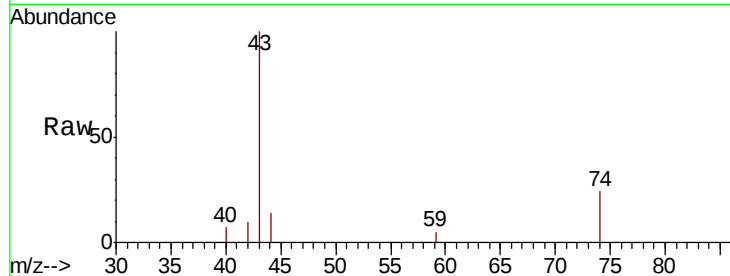




#15
Methvl Acetate
Concen: 2.433 ug/L
RT: 2.96 min Scan# 504
Delta R.T. 0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

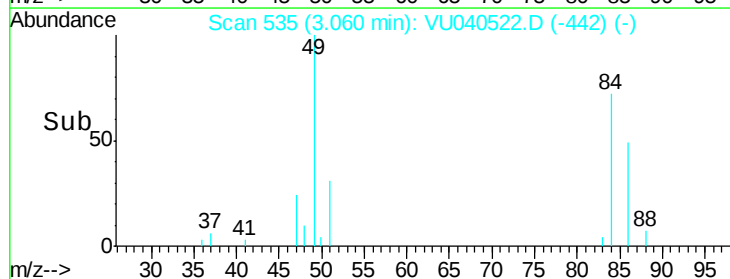
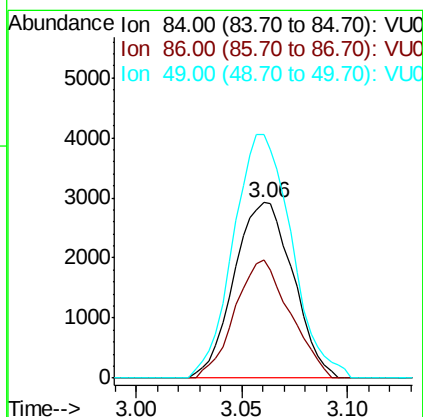
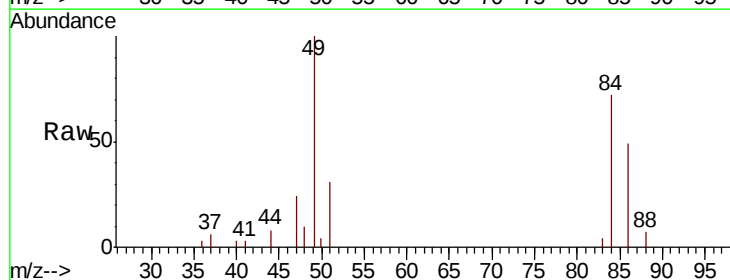
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

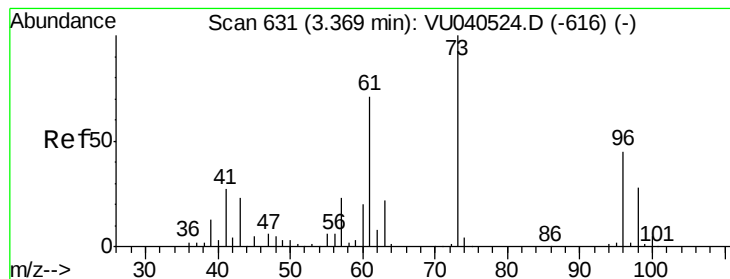
Tot Ion: 43 Resp: 6526
Ion Ratio Lower Upper
43 100
74 19.1 16.4 24.6



#16
Methylene chloride
Concen: 2.801 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Tgt Ion: 84 Resp: 5675
Ion Ratio Lower Upper
84 100
86 67.3 45.4 84.4
49 138.5 102.9 191.1





#17

trans-1,2-Dichloroethene

Concen: 2.562 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005202

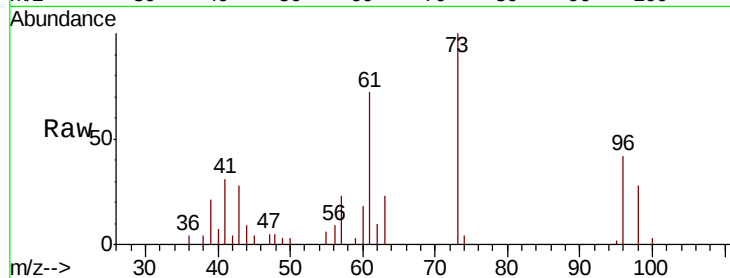
Tot Ion: 96 Resp: 4549

Ion Ratio Lower Upper

96 100

61 170.9 109.6 203.6

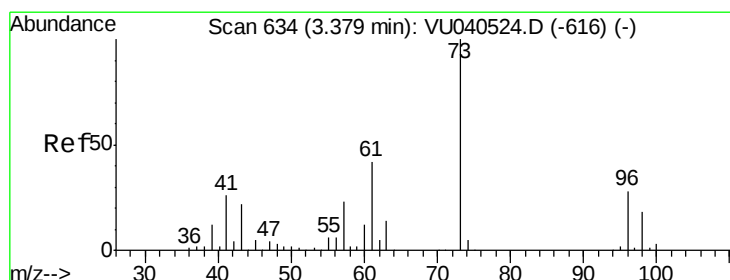
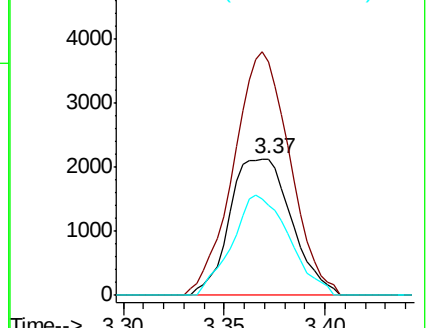
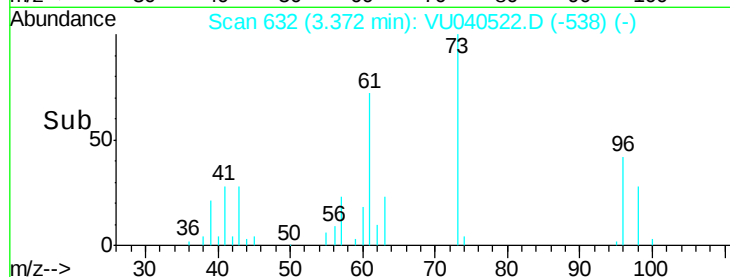
98 66.5 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040522.D (-538) (-)

Ion 61.00 (60.70 to 61.70): VU040522.D (-538) (-)

Ion 98.00 (97.70 to 98.70): VU040522.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 2.156 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

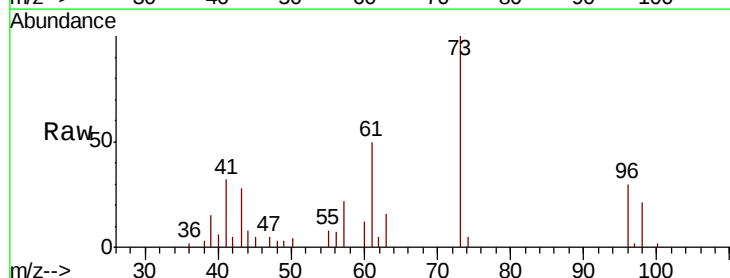
Tgt Ion: 73 Resp: 12502

Ion Ratio Lower Upper

73 100

43 24.7 18.2 27.2

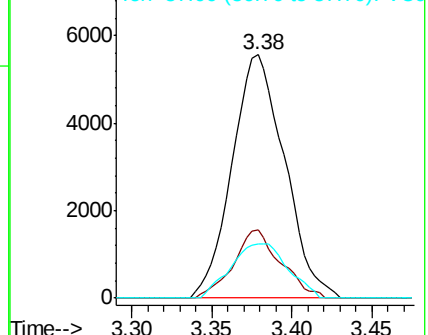
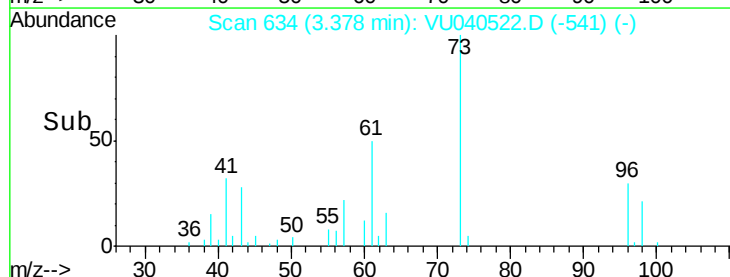
57 24.2 18.5 27.7

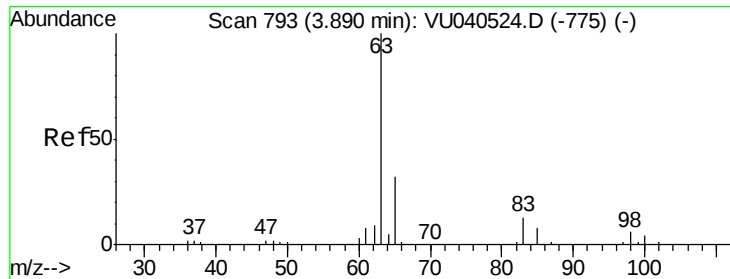


Abundance Ion 73.00 (72.70 to 73.70): VU040522.D (-541) (-)

Ion 43.00 (42.70 to 43.70): VU040522.D (-541) (-)

Ion 57.00 (56.70 to 57.70): VU040522.D (-541) (-)

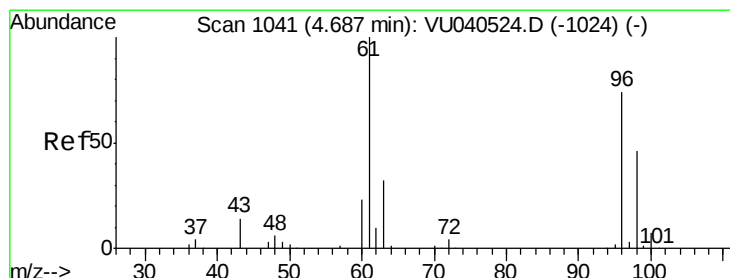
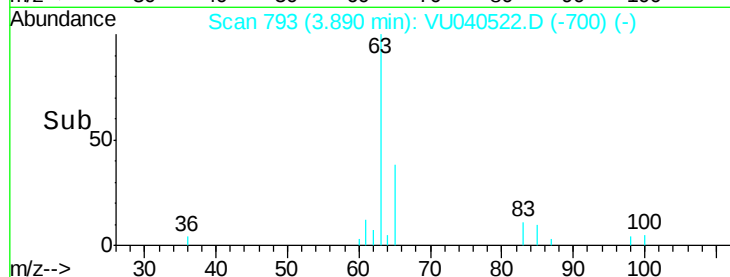
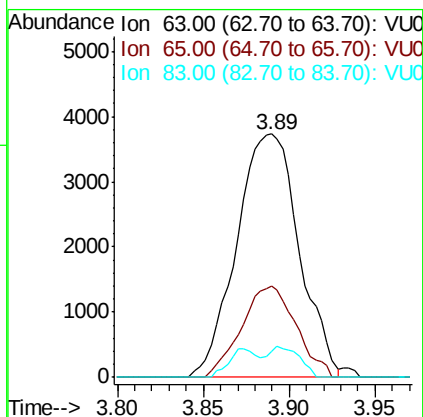
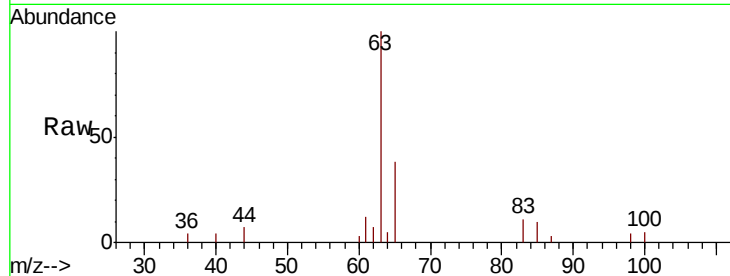




#19
 1,1-Dichloroethane
 Concen: 2.552 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

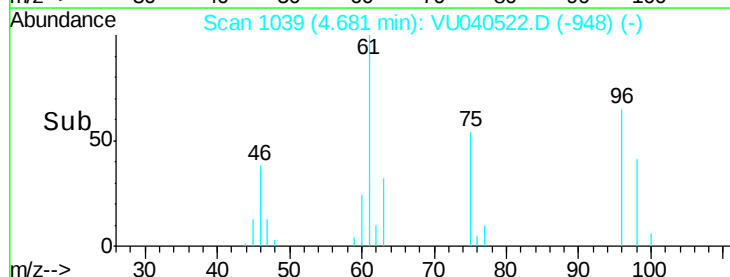
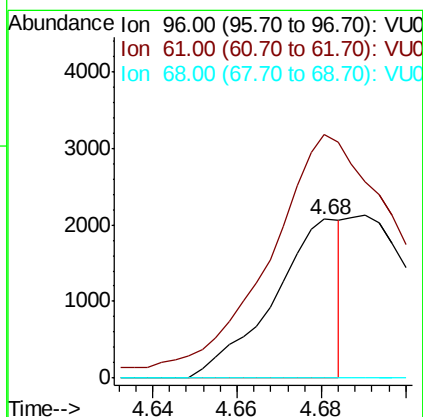
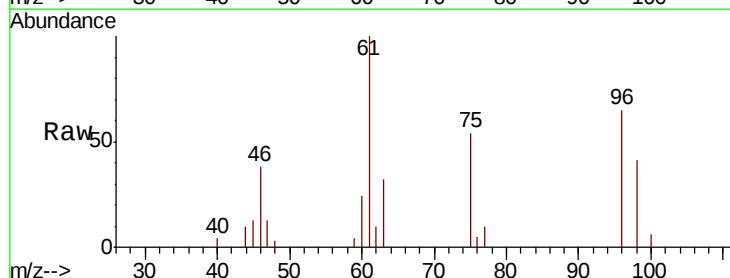
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

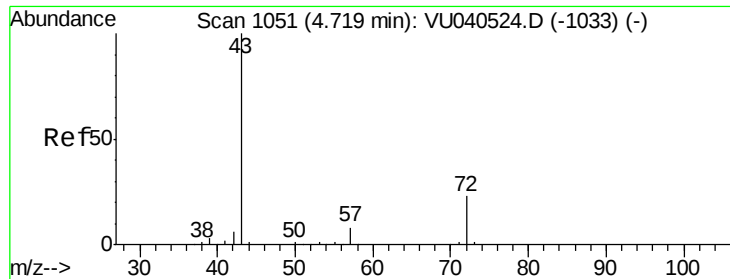
Tot Ion: 63 Resp: 9442
 Ion Ratio Lower Upper
 63 100
 65 37.6 22.6 42.0
 83 10.8 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 1.184 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Tgt Ion: 96 Resp: 2303
 Ion Ratio Lower Upper
 96 100
 61 153.3 95.7 177.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.597 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

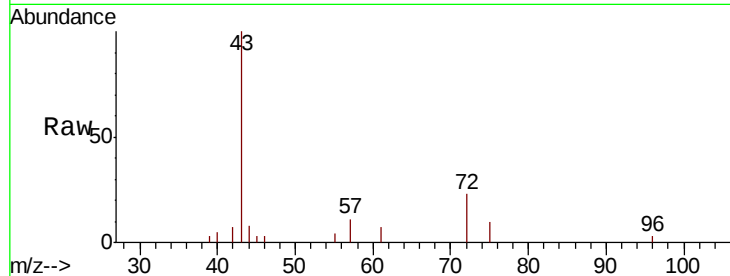
VSTD005202

Tot Ion: 43 Resp: 9650

Ion Ratio Lower Upper

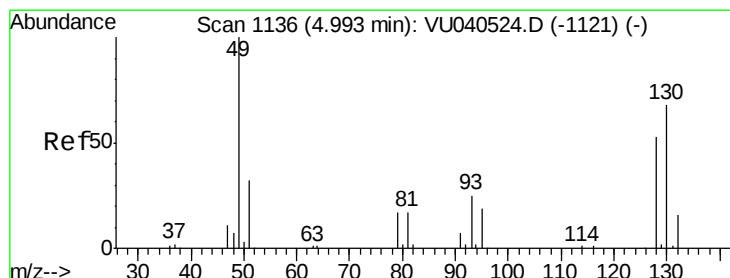
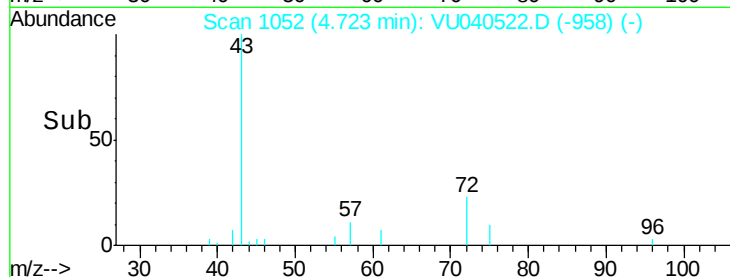
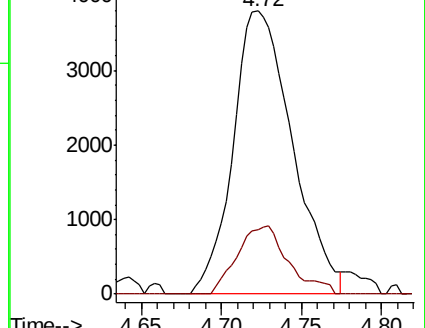
43 100

72 19.5 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VU040522.D (-958) (-)

Ion 72.00 (71.70 to 72.70): VU040522.D (-958) (-)



#23

Bromochloromethane

Concen: 2.683 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

Tgt Ion: 128 Resp: 2729

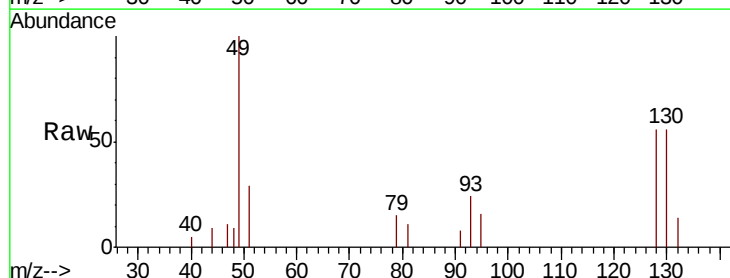
Ion Ratio Lower Upper

128 100

49 177.6 133.1 247.3

130 99.5 90.5 168.1

51 52.3 48.4 72.6

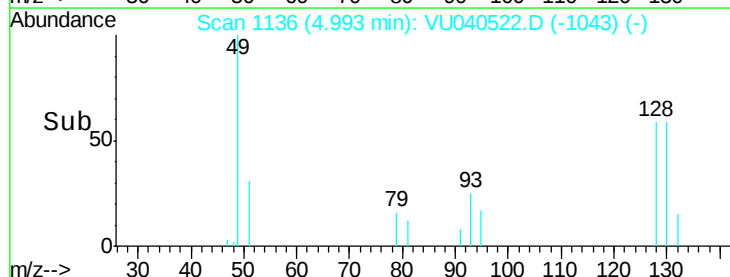
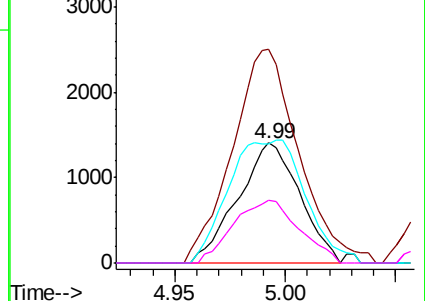


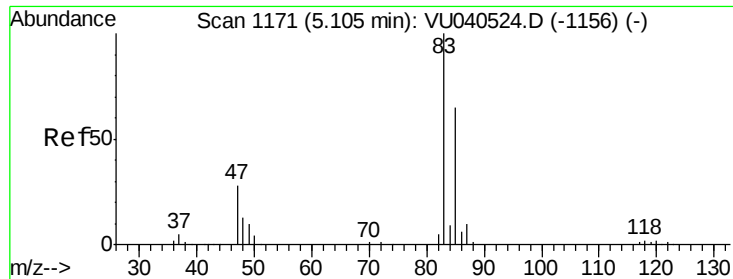
Abundance Ion 128.00 (127.70 to 128.70): VU040522.D (-1043) (-)

Ion 49.00 (48.70 to 49.70): VU040522.D (-1043) (-)

Ion 130.00 (129.70 to 130.70): VU040522.D (-1043) (-)

Ion 51.00 (50.70 to 51.70): VU040522.D (-1043) (-)

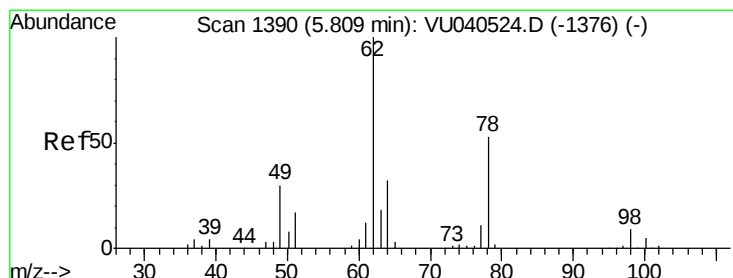
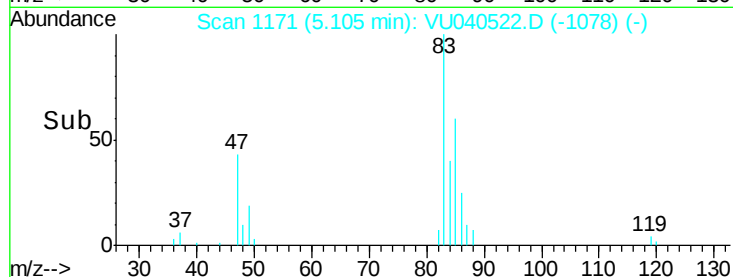
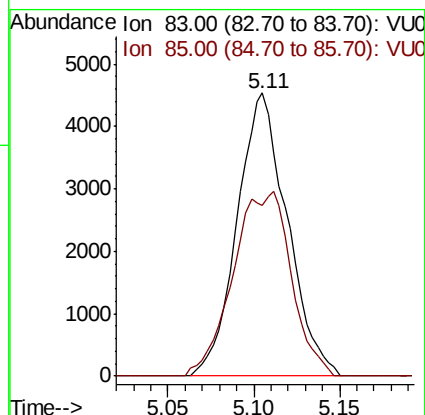
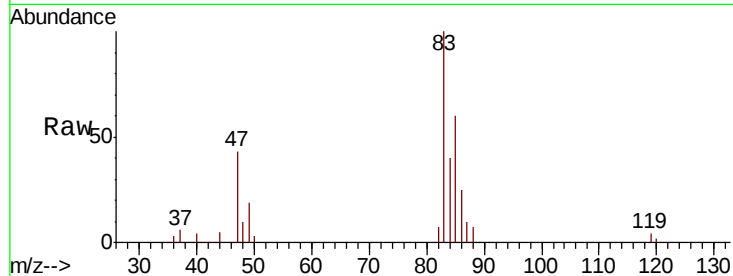




#25
Chloroform
Concen: 2.461 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

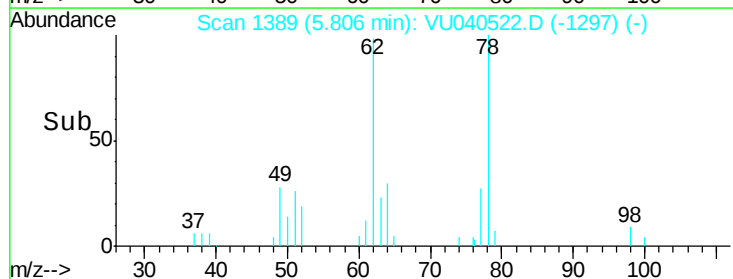
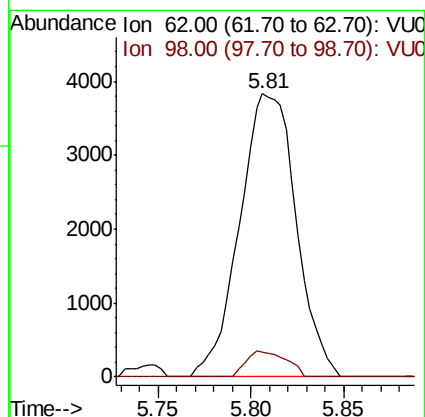
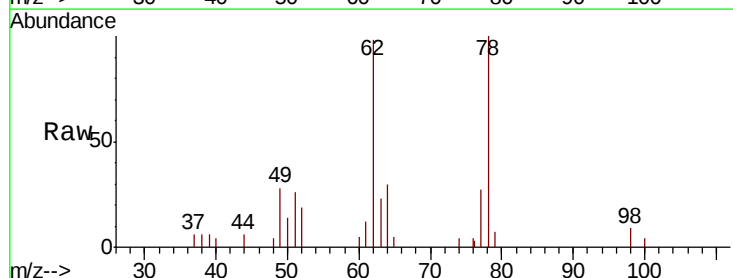
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

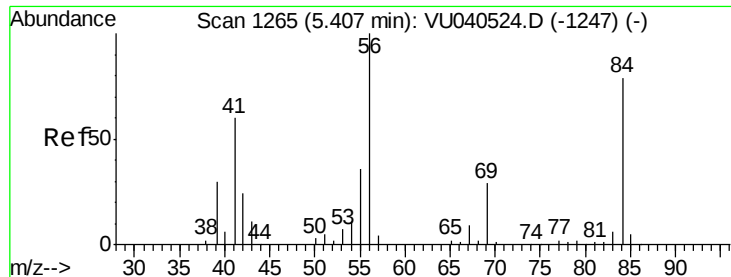
Tot Ion: 83 Resp: 9201
Ion Ratio Lower Upper
83 100
85 60.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 2.563 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Tgt Ion: 62 Resp: 8129
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

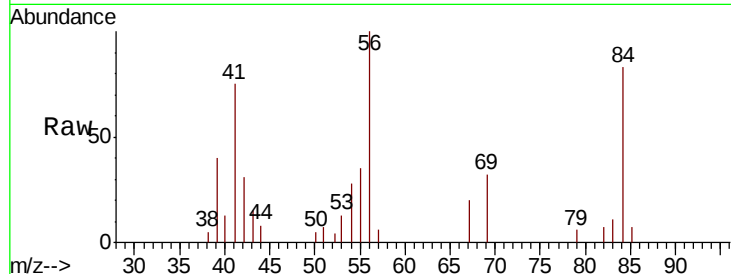




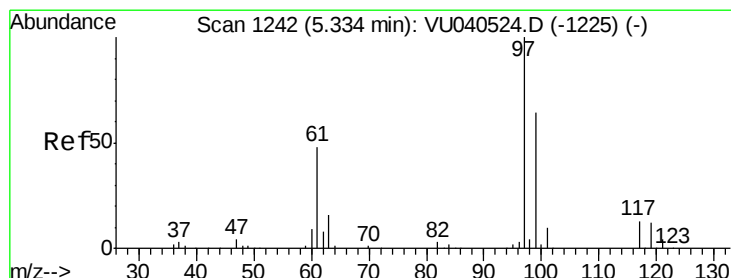
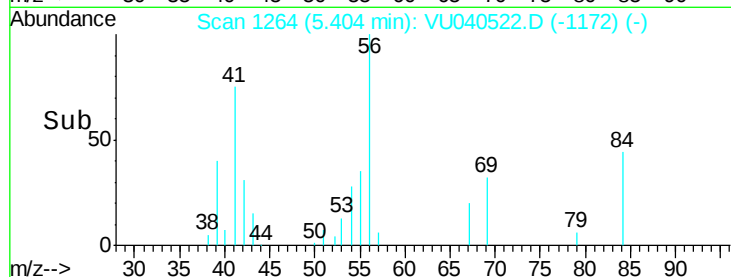
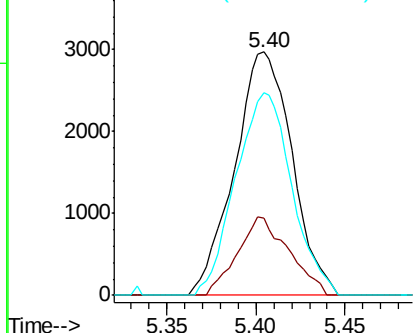
#29
Cyclohexane
Concen: 1.981 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

Tot Ion: 56 Resp: 6698
Ion Ratio Lower Upper
56 100
69 28.7 22.6 34.0
84 81.1 63.1 94.7

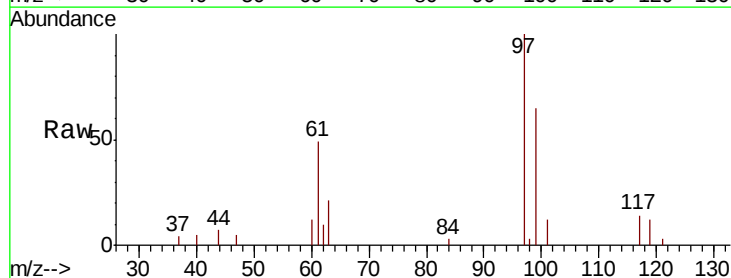


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

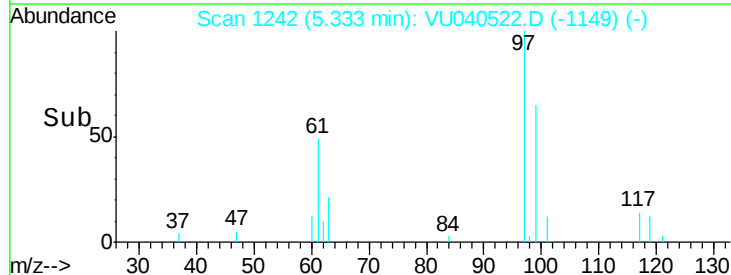
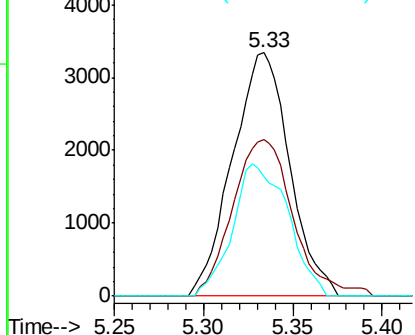


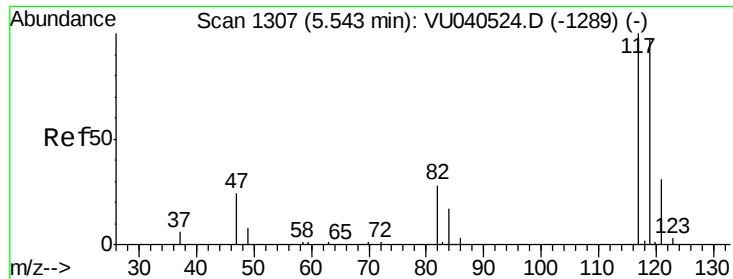
#30
1,1,1-Trichloroethane
Concen: 2.328 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Tgt Ion: 97 Resp: 7463
Ion Ratio Lower Upper
97 100
99 67.3 51.0 76.6
61 52.6 39.4 59.2



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

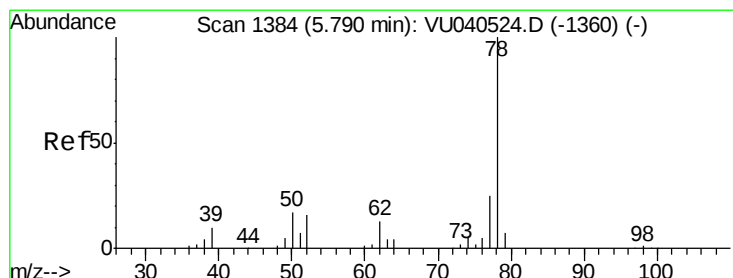
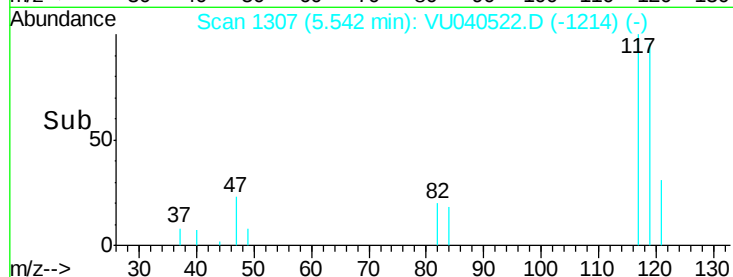
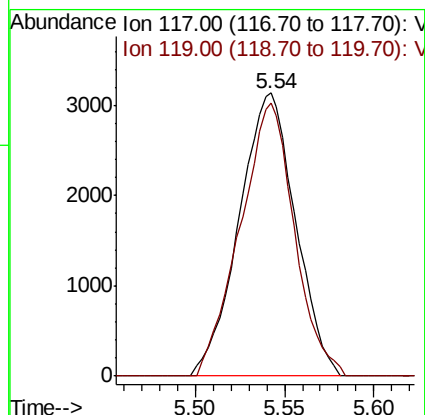
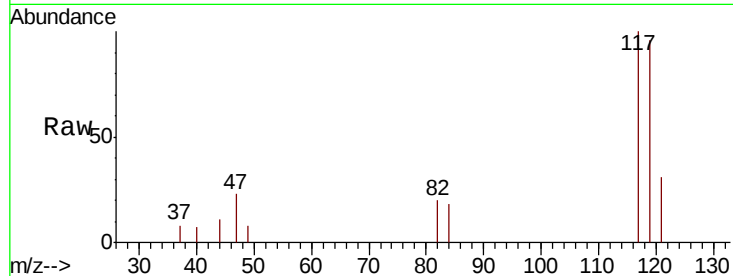




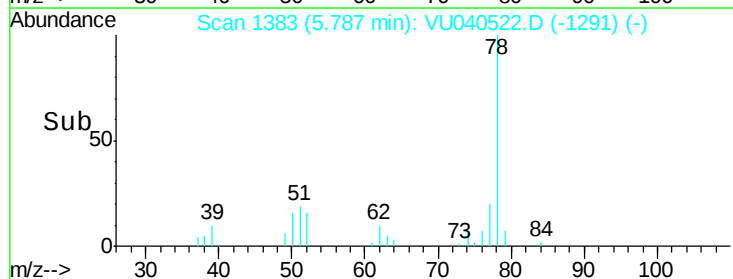
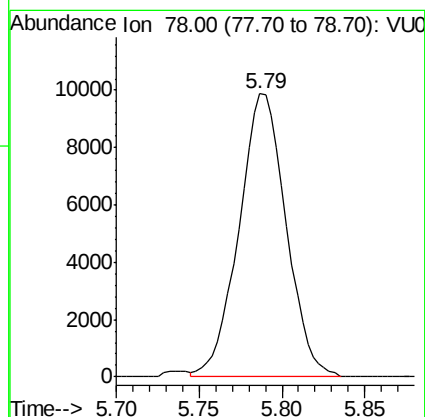
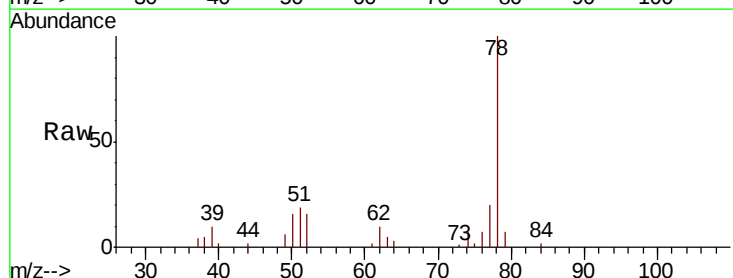
#31
Carbon tetrachloride
Concen: 2.484 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

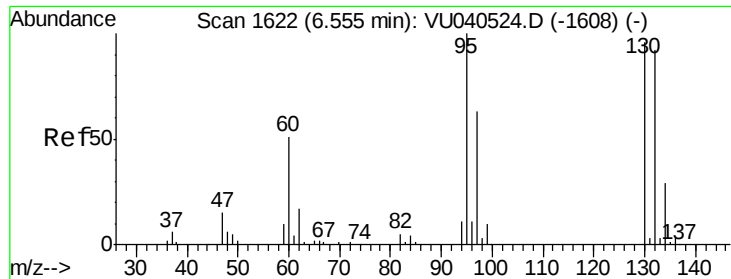
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

Tot Ion:117 Resp: 6925
Ion Ratio Lower Upper
117 100
119 93.2 75.8 113.6



#33
Benzene
Concen: 2.412 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51
Tgt Ion: 78 Resp: 19519

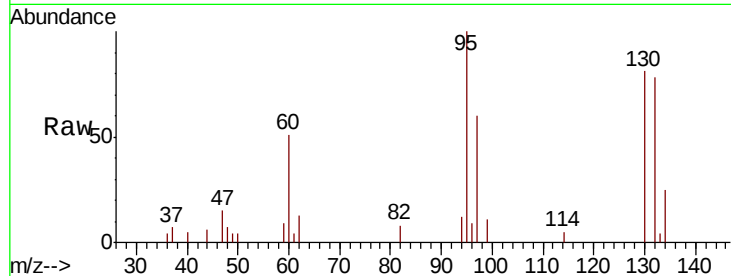




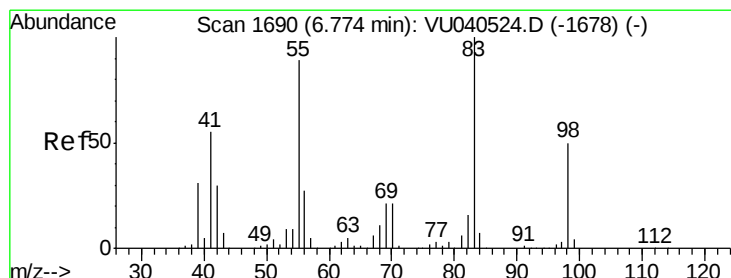
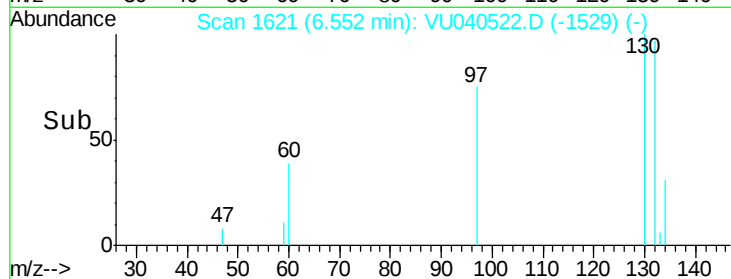
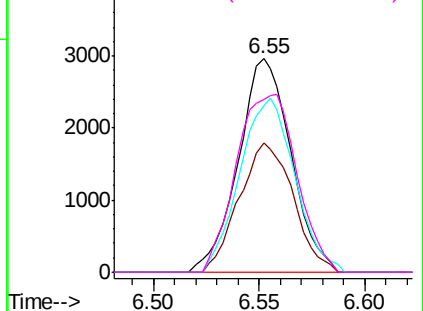
#34
 Trichloroethene
 Concen: 2.477 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

Tot Ion: 95 Resp: 5137
 Ion Ratio Lower Upper
 95 100
 97 60.5 44.3 82.3
 132 78.2 64.2 119.2
 130 81.0 67.3 125.1

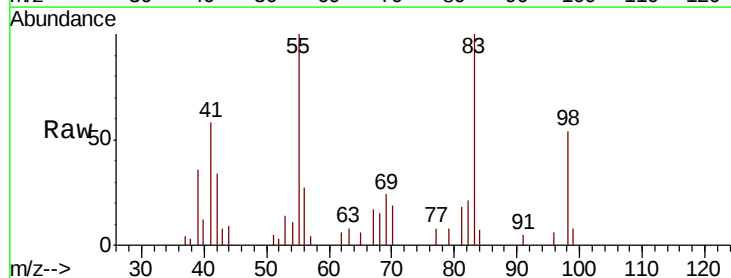


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

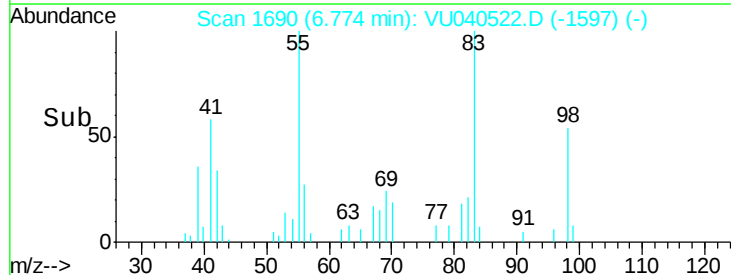
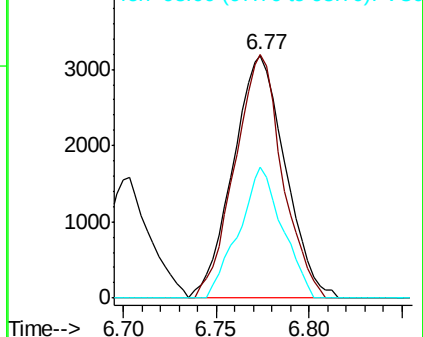


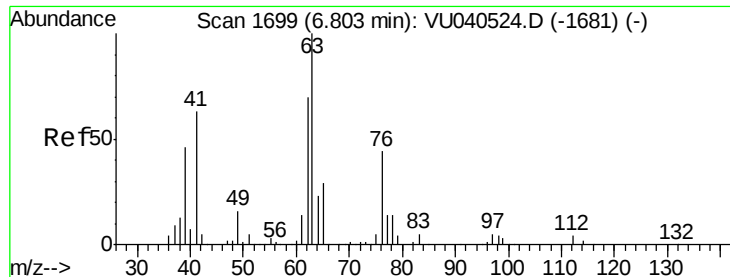
#35
 Methylcyclohexane
 Concen: 1.958 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Tgt Ion: 83 Resp: 6211
 Ion Ratio Lower Upper
 83 100
 55 91.4 69.8 104.8
 98 44.9 39.1 58.7



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

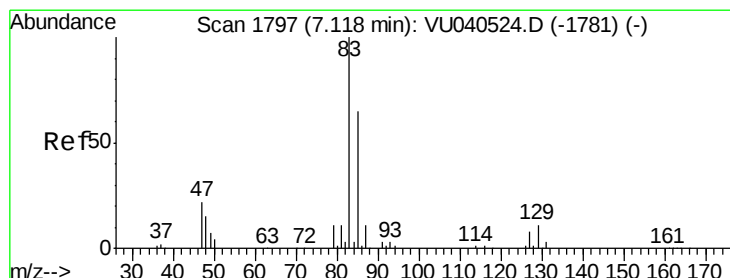
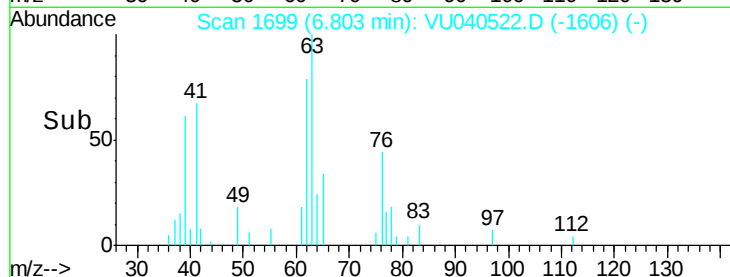
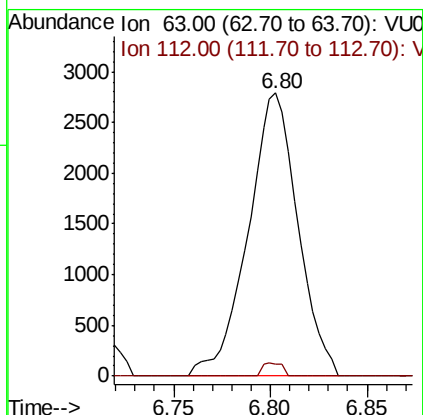
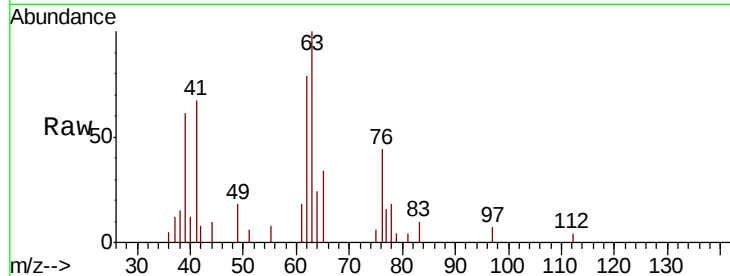




#37
 1,2-Dichloropropane
 Concen: 2.197 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

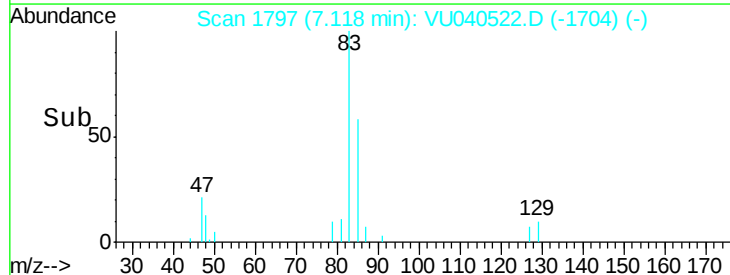
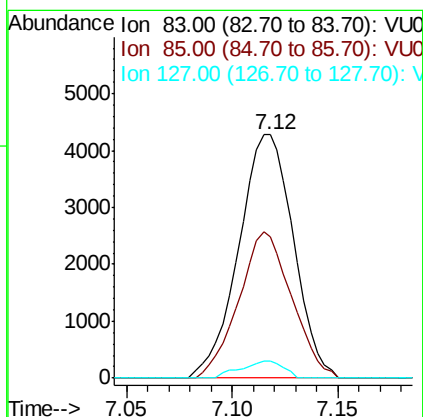
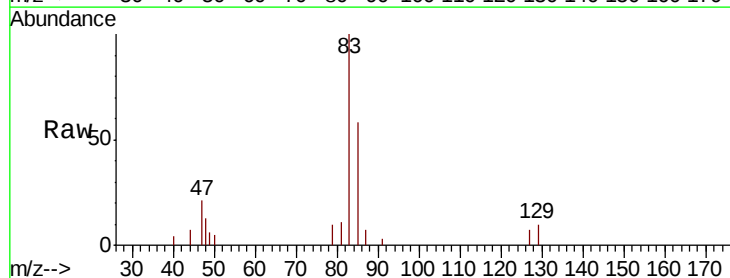
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

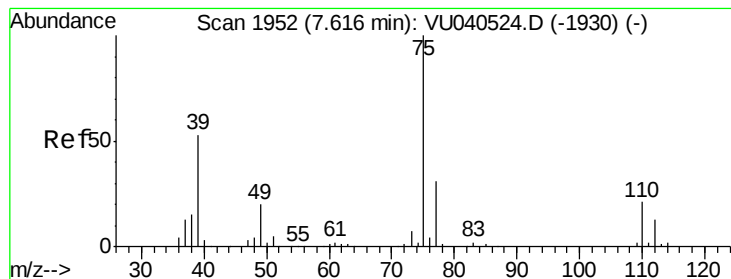
Tot Ion: 63 Resp: 4993
 Ion Ratio Lower Upper
 63 100
 112 1.8 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 2.669 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Tgt Ion: 83 Resp: 7702
 Ion Ratio Lower Upper
 83 100
 85 57.9 45.2 84.0
 127 7.0 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 2.077 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

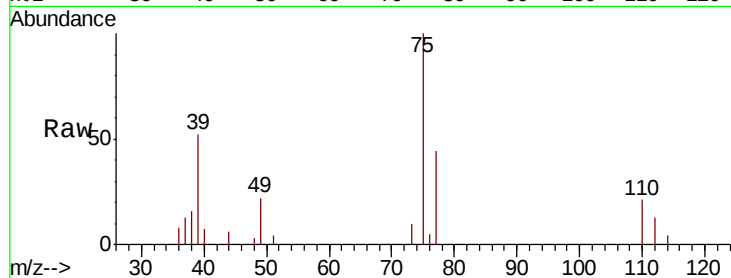
VSTD005202

Tot Ion: 75 Resp: 6791

Ion Ratio Lower Upper

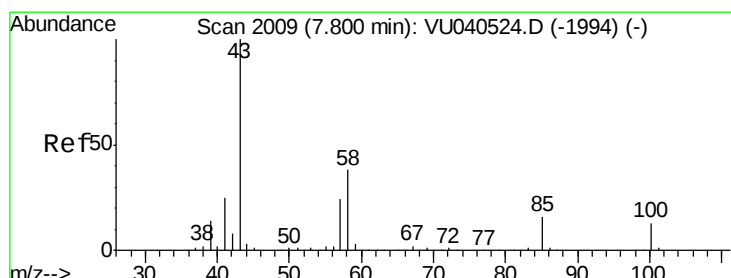
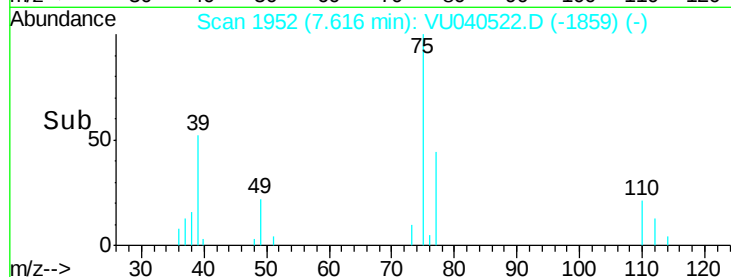
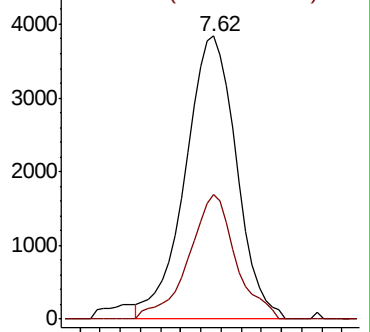
75 100

77 44.2 21.4 39.8#



Abundance Ion 75.00 (74.70 to 75.70): VU040522.D (-1859) (-)

Ion 77.00 (76.70 to 77.70): VU040522.D (-1859) (-)



#40

4-Methyl-2-pentanone

Concen: 3.795 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

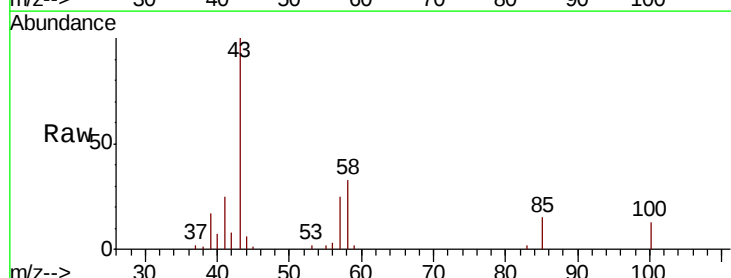
Tgt Ion: 43 Resp: 13779

Ion Ratio Lower Upper

43 100

58 34.1 29.7 44.5

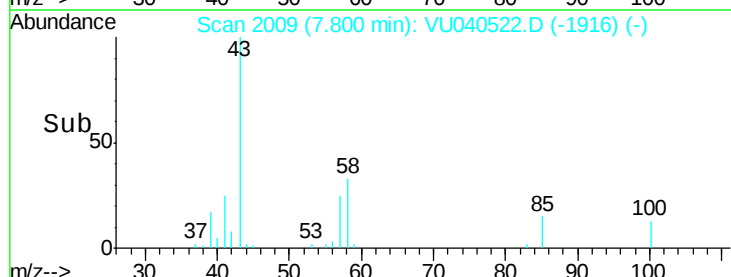
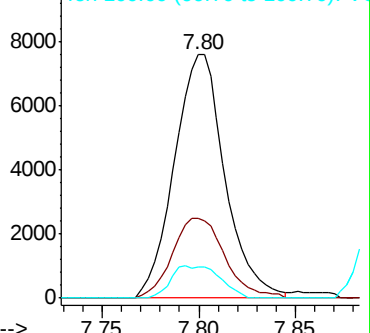
100 6.0 10.5 15.7#

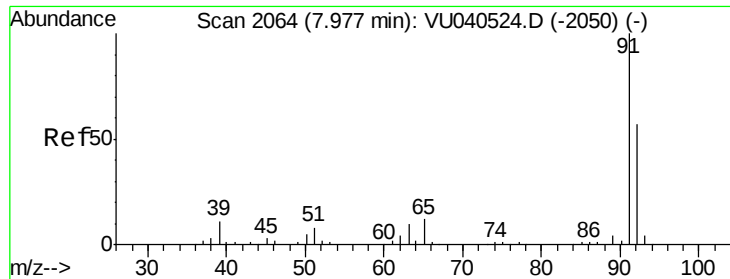


Abundance Ion 43.00 (42.70 to 43.70): VU040522.D (-1916) (-)

Ion 58.00 (57.70 to 58.70): VU040522.D (-1916) (-)

Ion 100.00 (99.70 to 100.70): VU040522.D (-1916) (-)





#42

Toluene

Concen: 2.087 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

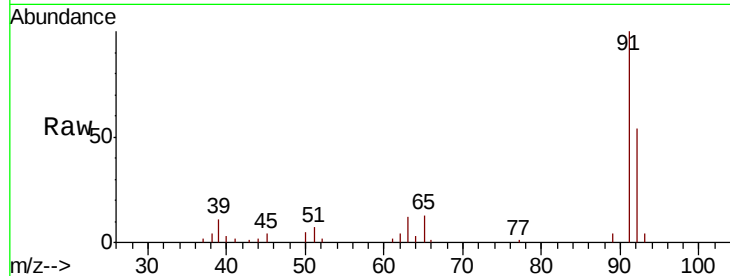
VSTD005202

Tot Ion: 91 Resp: 17089

Ion Ratio Lower Upper

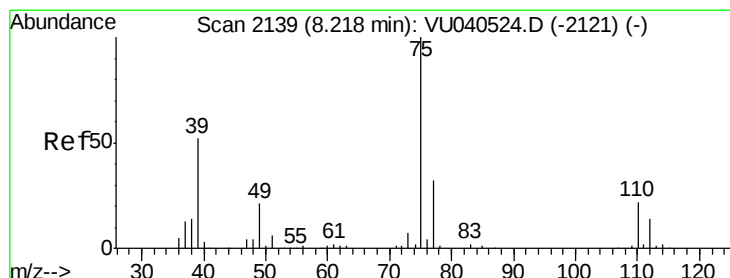
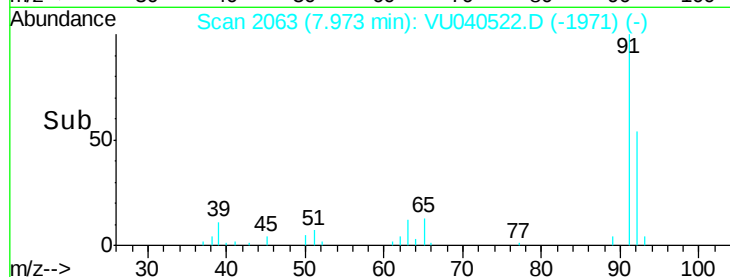
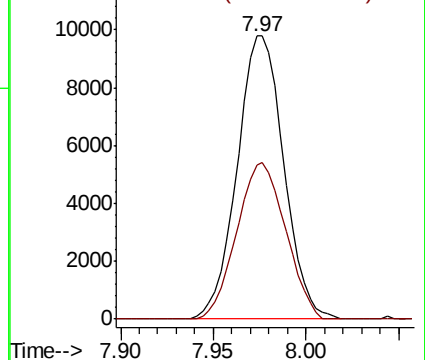
91 100

92 54.5 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 2.072 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040522.D

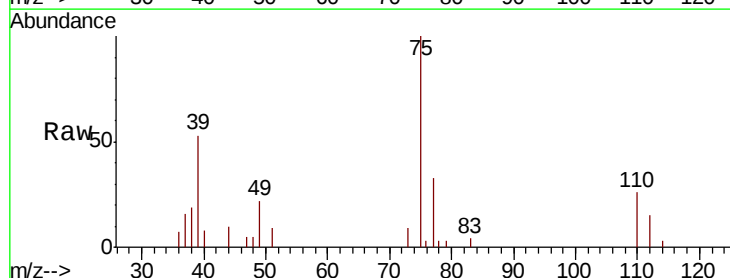
Acq: 06 Oct 2020 12:51

Tgt Ion: 75 Resp: 6873

Ion Ratio Lower Upper

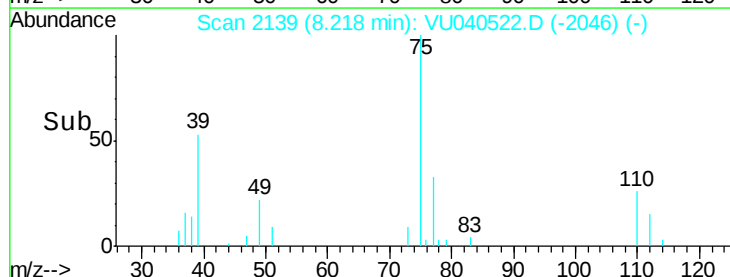
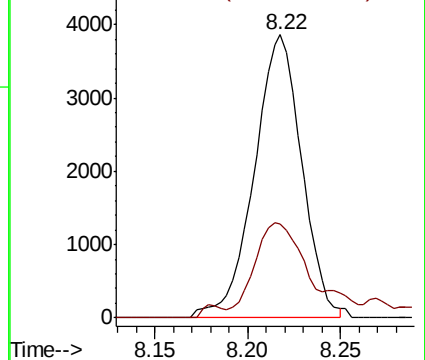
75 100

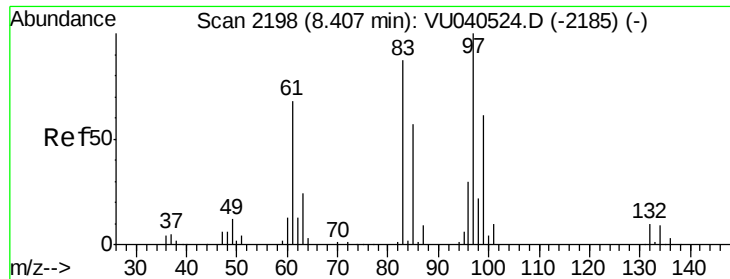
77 33.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

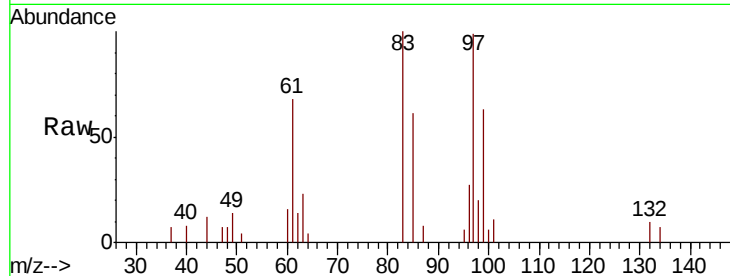




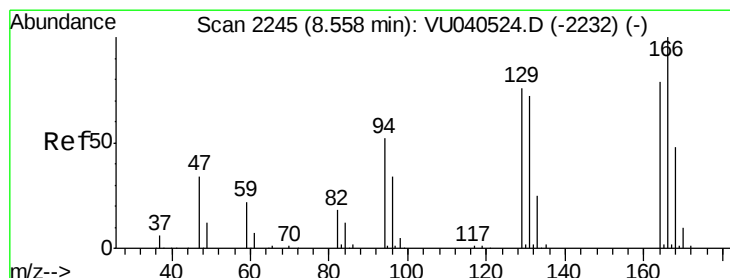
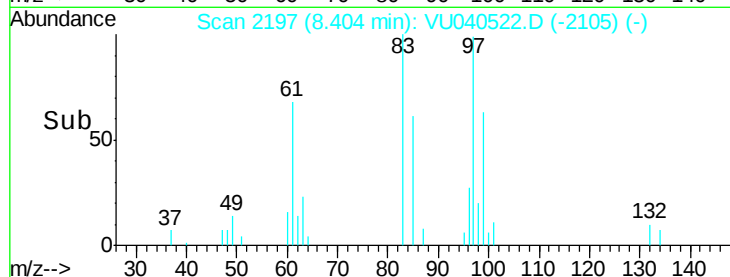
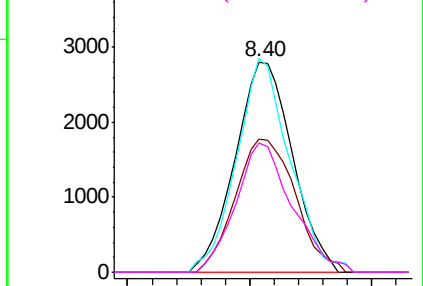
#45
1,1,2-Trichloroethane
Concen: 2.300 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

Tot Ion:	97.00	Resp:	4571
Ion	Ratio	Lower	Upper
97	100		
99	63.5	42.7	79.3
83	101.5	61.0	113.4
85	61.7	39.8	73.8

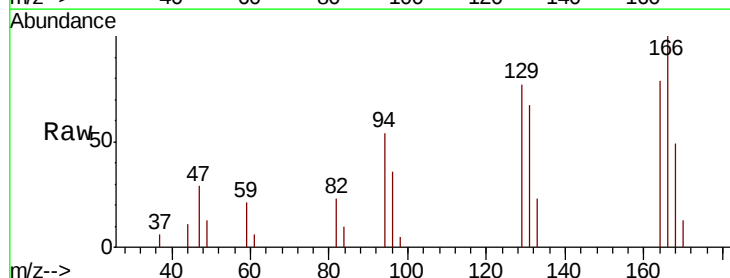


Abundance Ion 97.00 (96.70 to 97.70): VU040522.D (-2197) (-)

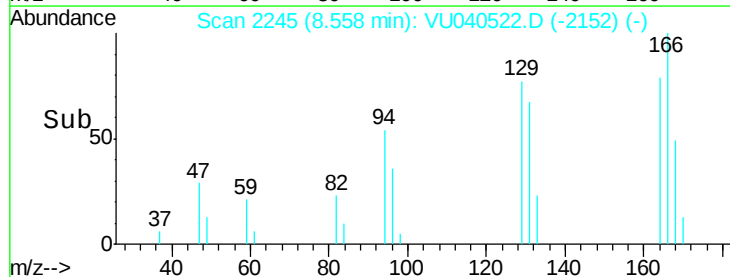
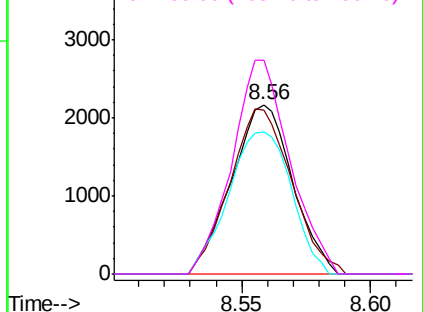


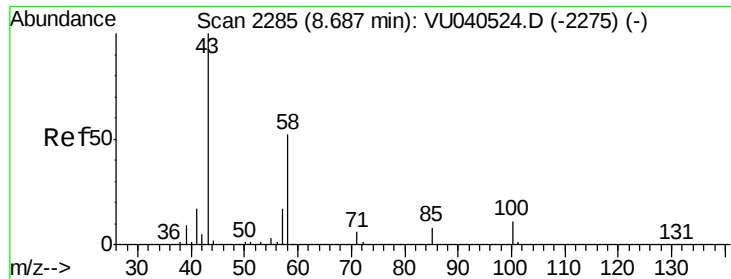
#46
Tetrachloroethene
Concen: 2.469 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Tgt Ion:	164.00	Resp:	3601
Ion	Ratio	Lower	Upper
164	100		
129	97.0	67.4	125.2
131	84.0	63.8	118.6
166	125.8	88.7	164.7



Abundance Ion 164.00 (163.70 to 164.70): VU040522.D (-2245) (-)

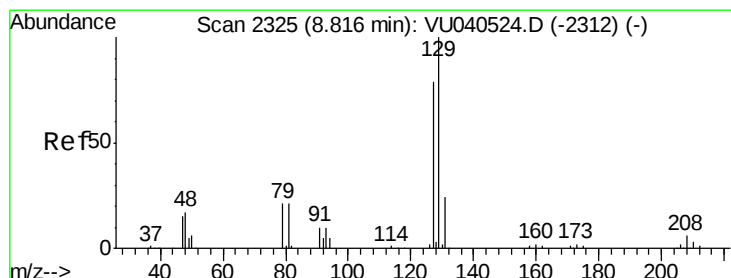
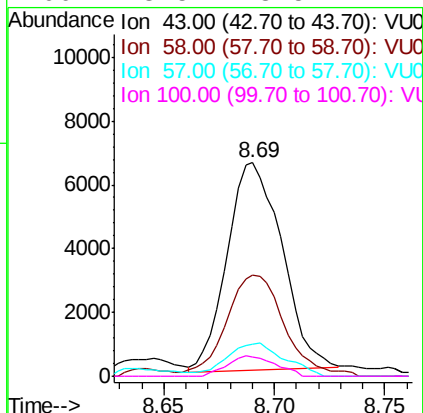
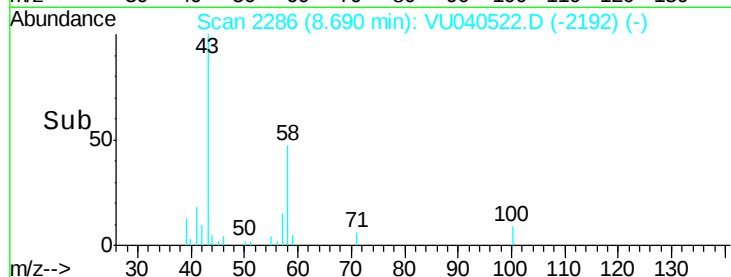
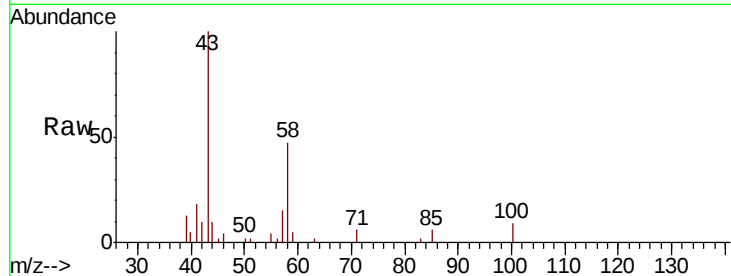




#48
2-Hexanone
Concen: 3.864 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

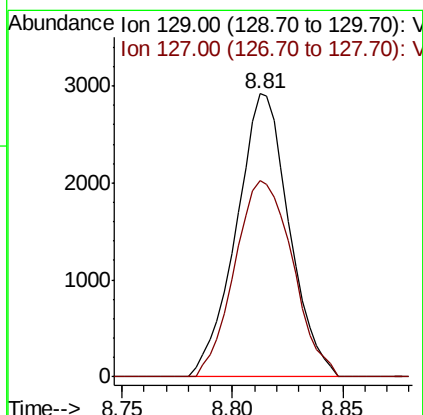
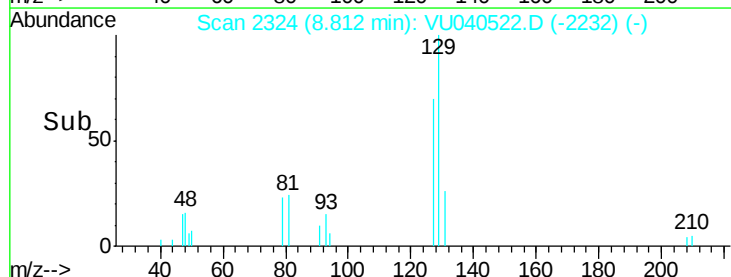
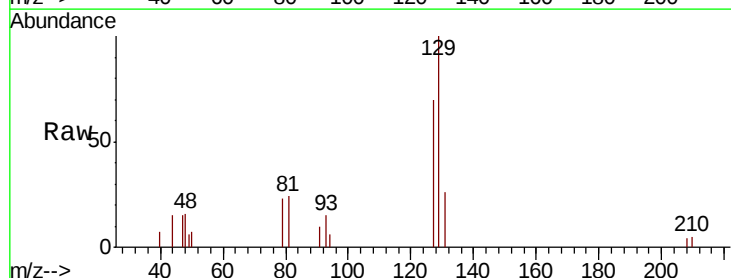
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

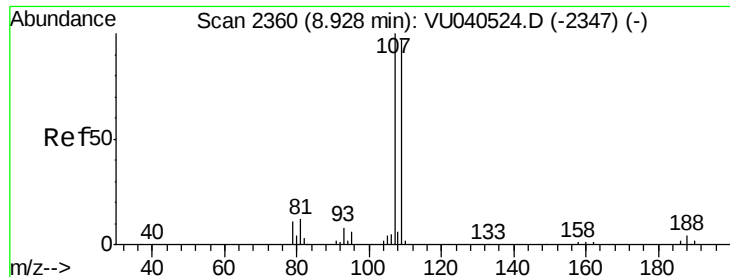
Tot Ion: 43 Resp: 11239
Ion Ratio Lower Upper
43 100
58 51.8 40.6 60.8
57 16.6 14.3 21.5
100 8.5 8.5 12.7#



#49
Dibromochloromethane
Concen: 2.242 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Tgt Ion: 129 Resp: 4858
Ion Ratio Lower Upper
129 100
127 69.6 54.9 102.1

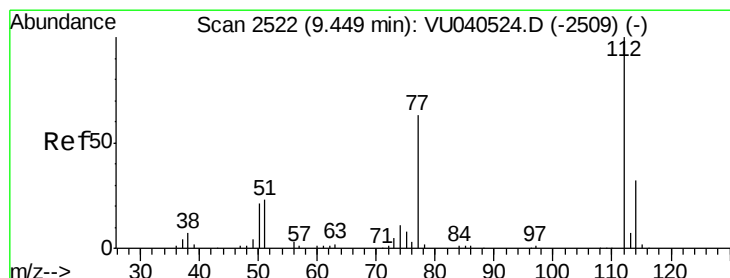
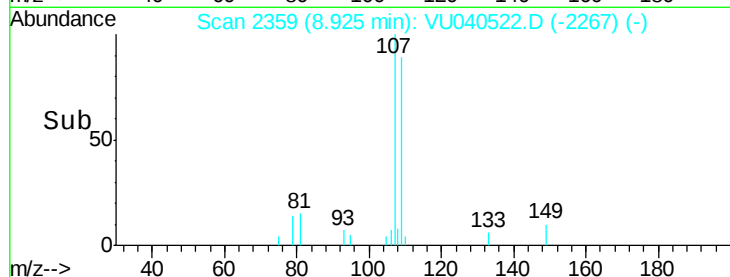
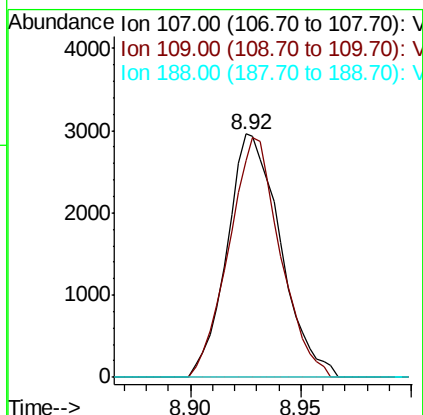
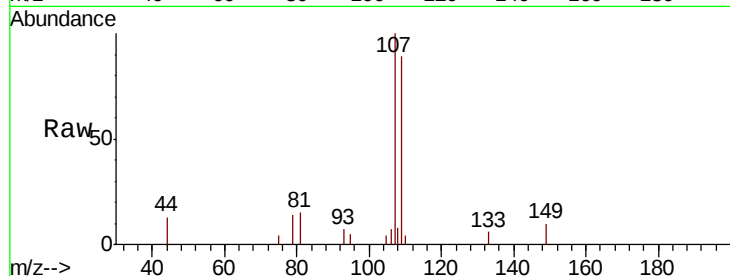




#50
 1,2-Dibromoethane
 Concen: 2.347 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

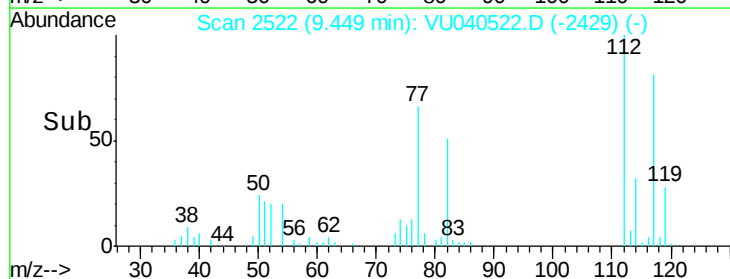
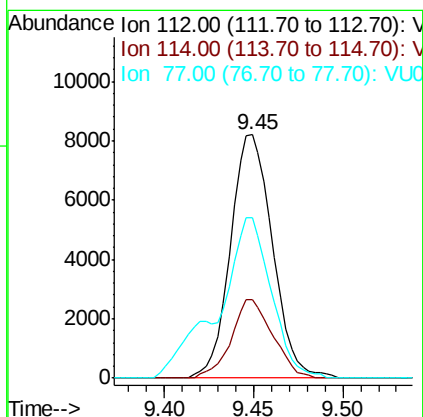
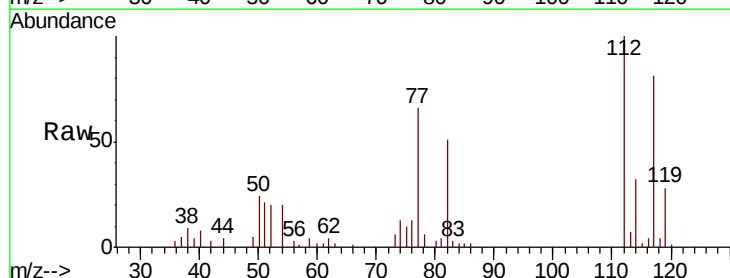
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

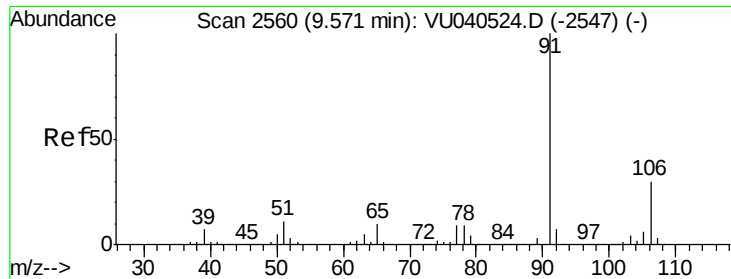
Tot Ion:107 Resp: 4971
 Ion Ratio Lower Upper
 107 100
 109 89.2 67.8 125.8
 188 0.0 2.8 4.2#



#51
 Chlorobenzene
 Concen: 2.487 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Tgt Ion:112 Resp: 13491
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.1 41.1
 77 66.1 50.4 75.6

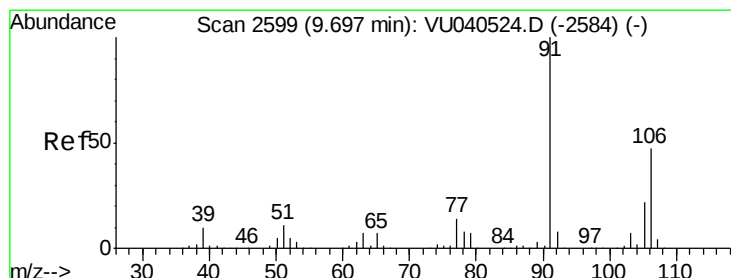
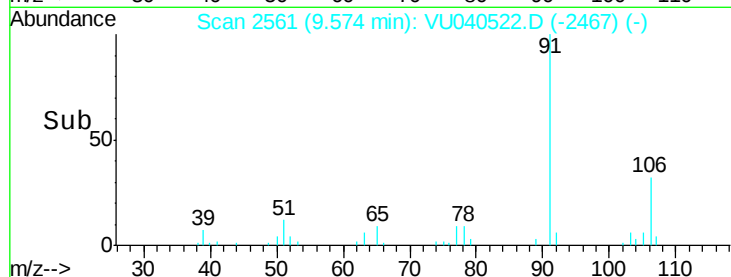
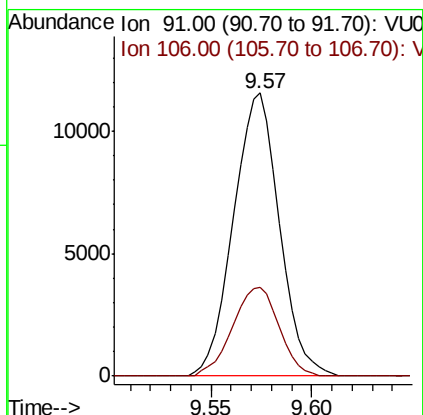
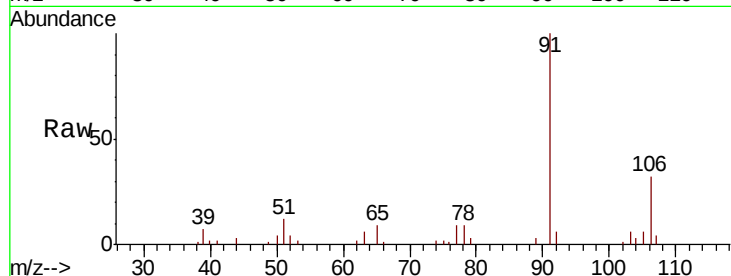




#52
Ethylbenzene
Concen: 2.025 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

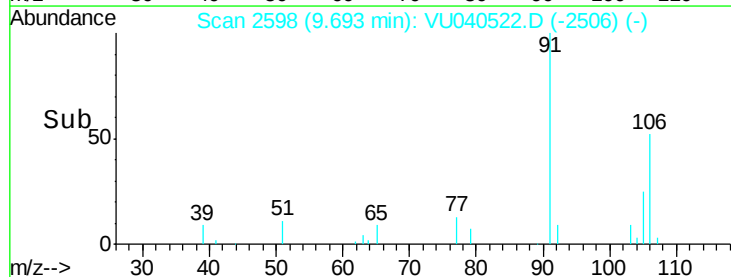
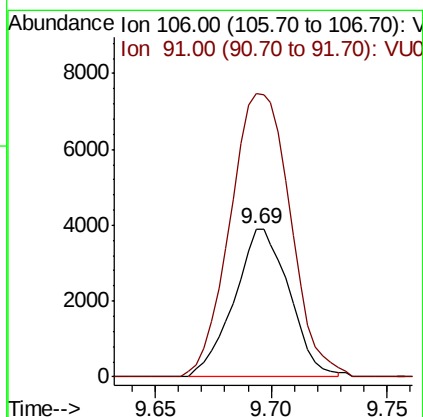
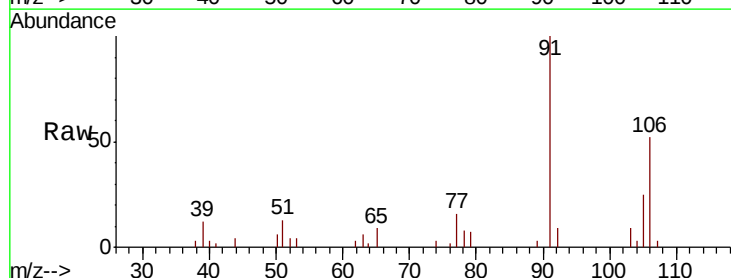
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

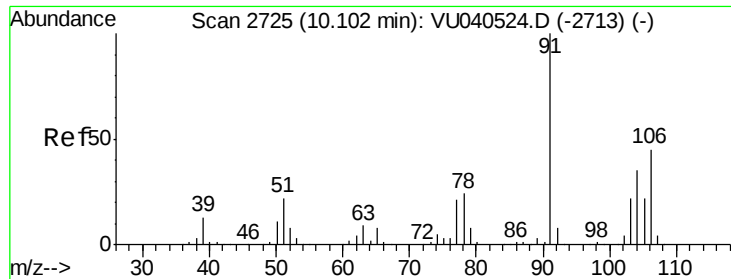
Tot Ion: 91 Resp: 18453
Ion Ratio Lower Upper
91 100
106 31.5 20.9 38.9



#53
m,p-Xylene
Concen: 1.945 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Tgt Ion: 106 Resp: 6446
Ion Ratio Lower Upper
106 100
91 191.3 150.1 278.7





#54

o-xylene

Concen: 1.781 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

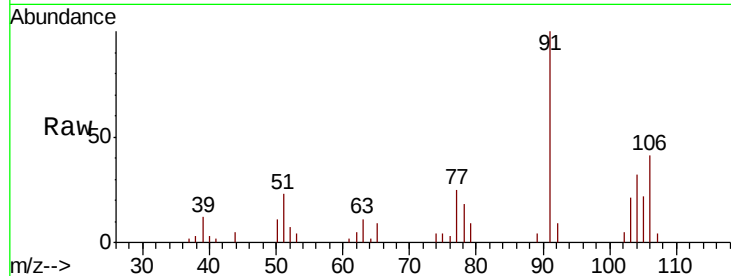
VSTD005202

Tot Ion:106 Resp: 5769

Ion Ratio Lower Upper

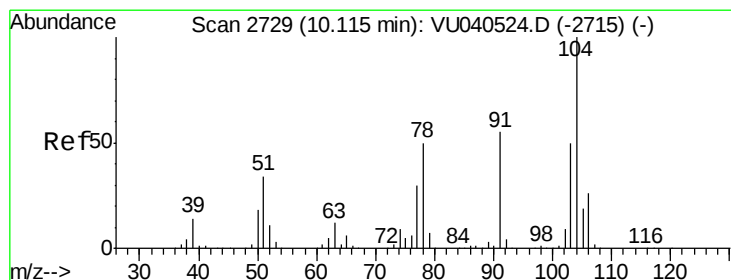
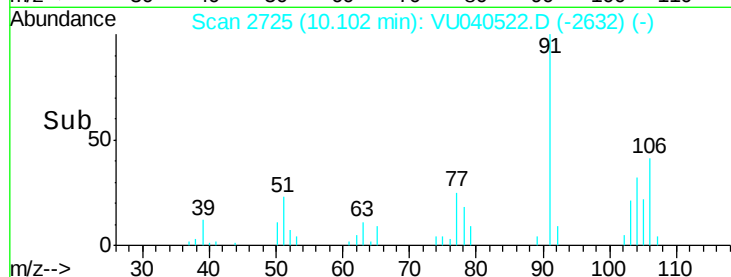
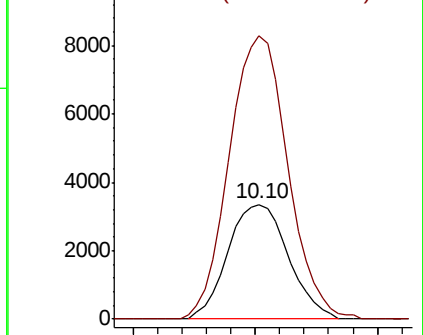
106 100

91 246.2 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.694 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040522.D

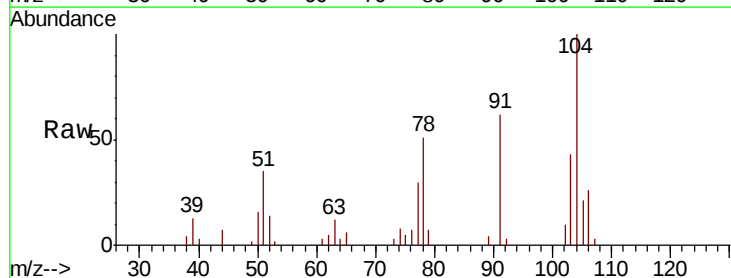
Acq: 06 Oct 2020 12:51

Tgt Ion:104 Resp: 9426

Ion Ratio Lower Upper

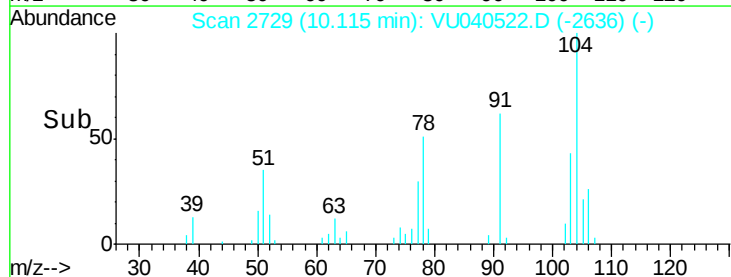
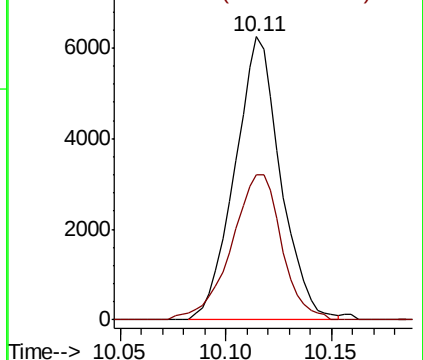
104 100

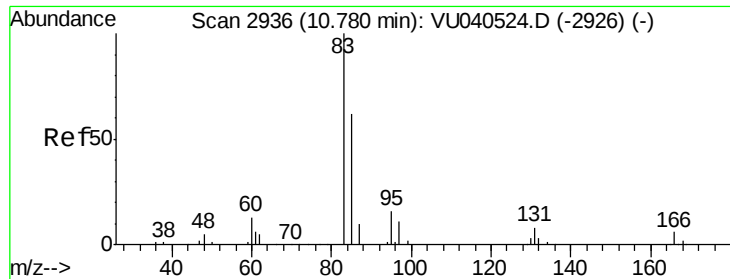
78 51.3 35.2 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

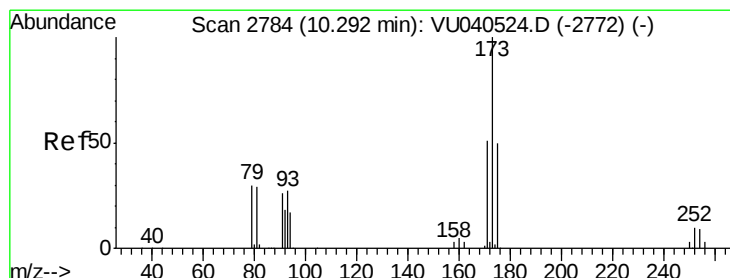
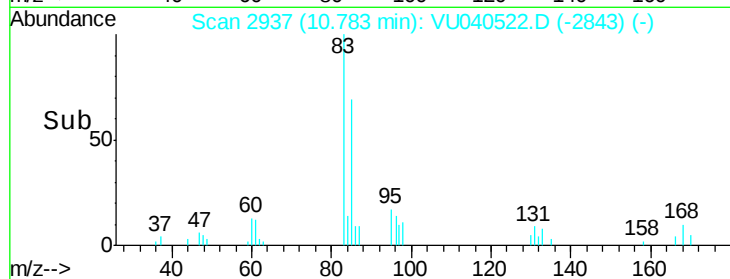
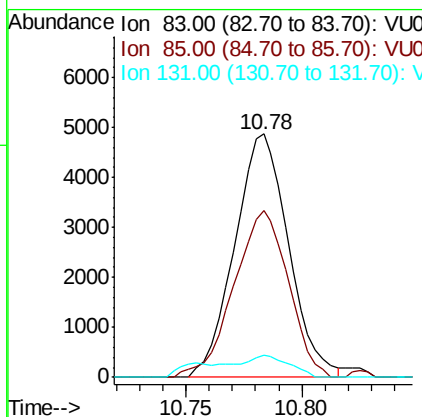
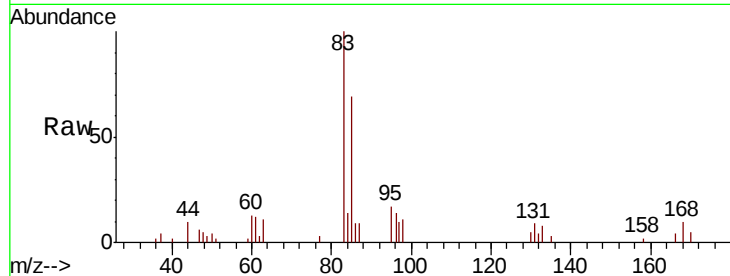




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.254 ug/L
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

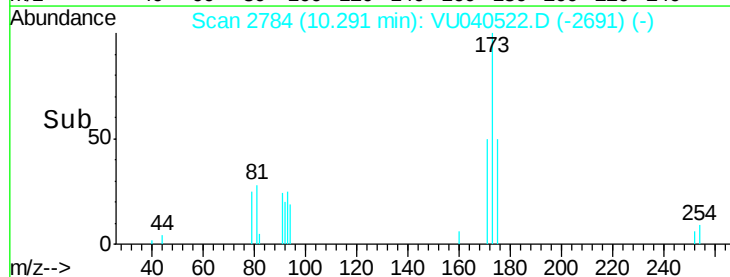
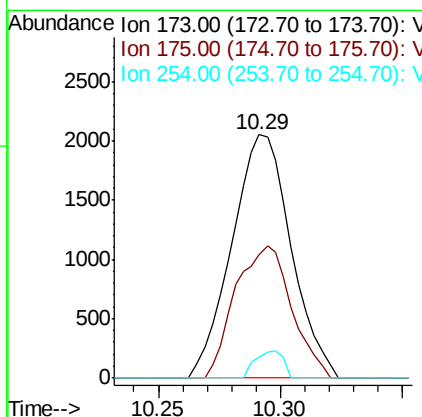
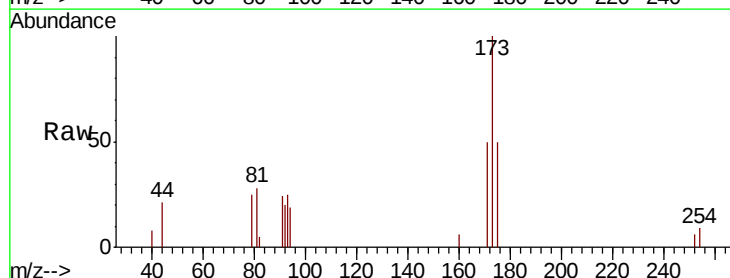
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

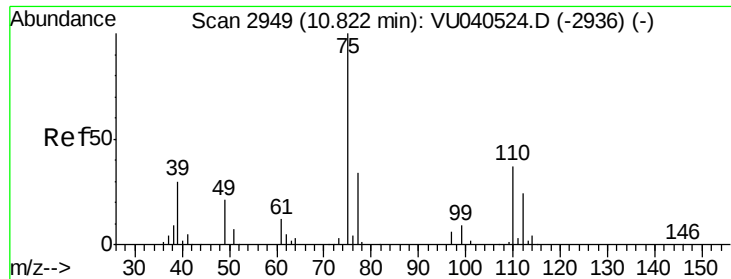
Tot Ion: 83 Resp: 7860
 Ion Ratio Lower Upper
 83 100
 85 68.7 44.2 82.2
 131 9.0 7.1 10.7



#59
 Bromoform
 Concen: 2.456 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Tgt Ion: 173 Resp: 3456
 Ion Ratio Lower Upper
 173 100
 175 51.6 38.5 57.7
 254 5.2 7.0 10.6#

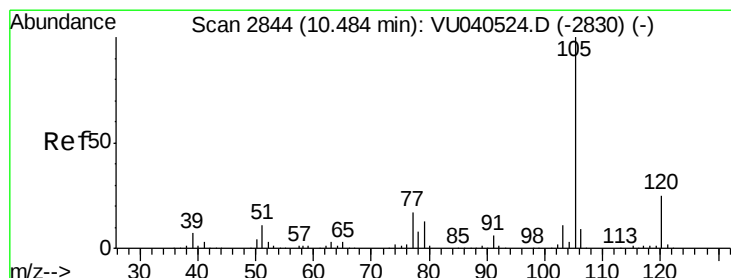
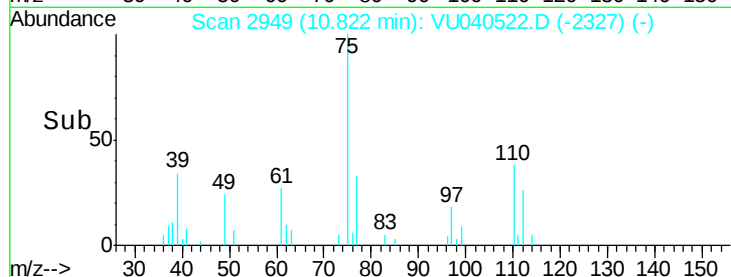
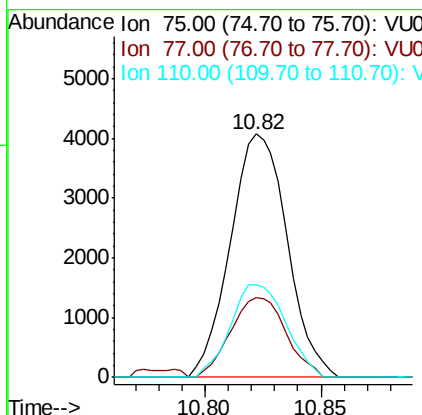
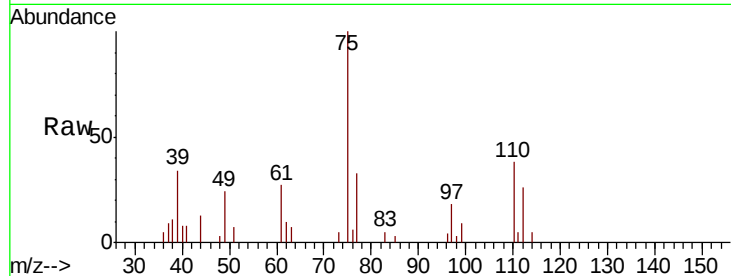




#60
1,2,3-Trichloropropane
Concen: 2.560 ug/L
RT: 10.82 min Scan# 2949
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

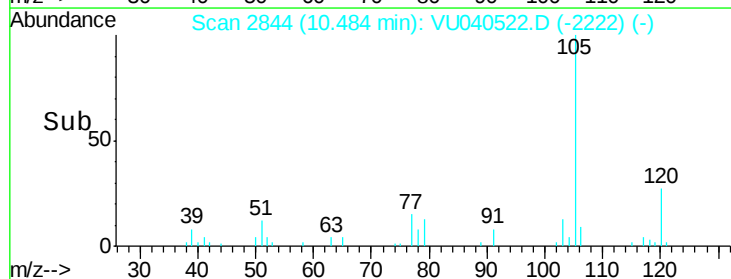
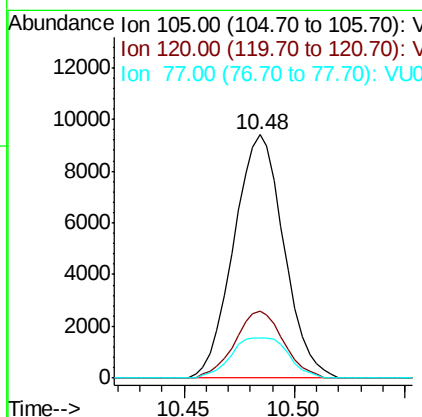
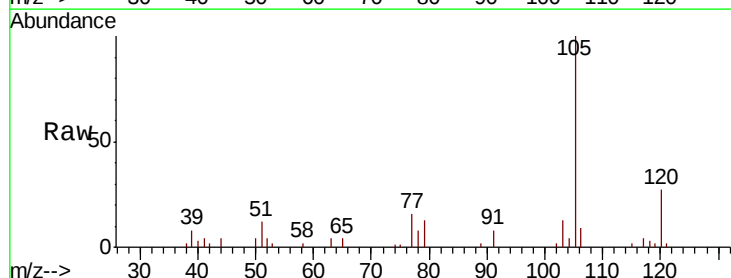
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

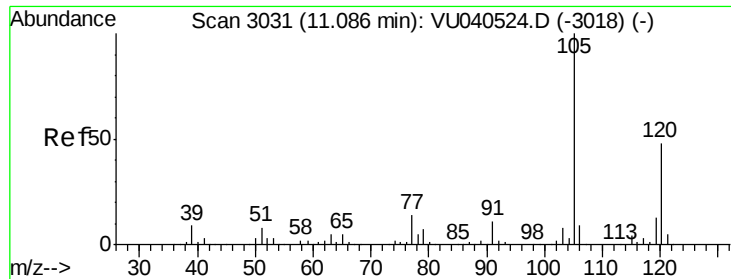
Tot Ion: 75 Resp: 6932
Ion Ratio Lower Upper
75 100
77 32.0 26.4 39.6
110 37.2 30.1 45.1



#61
Isopropylbenzene
Concen: 1.870 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Tgt Ion: 105 Resp: 14851
Ion Ratio Lower Upper
105 100
120 26.6 20.7 31.1
77 18.9 13.8 20.8

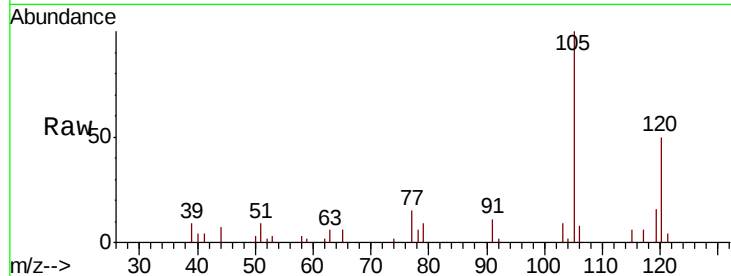




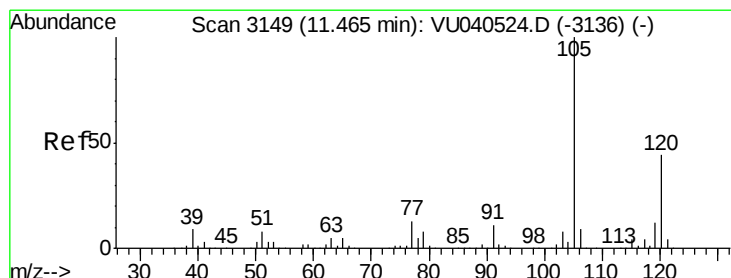
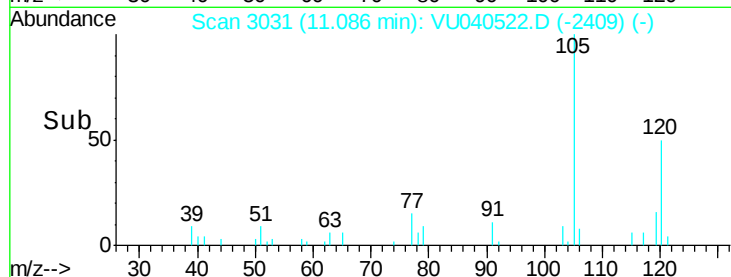
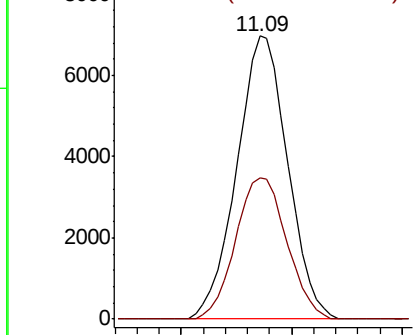
#62
 1,3,5-Trimethylbenzene
 Concen: 1.716 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

Tot Ion:105 Resp: 11159
 Ion Ratio Lower Upper
 105 100
 120 50.2 38.6 58.0

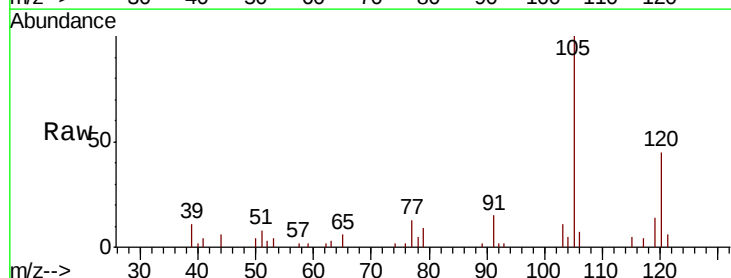


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

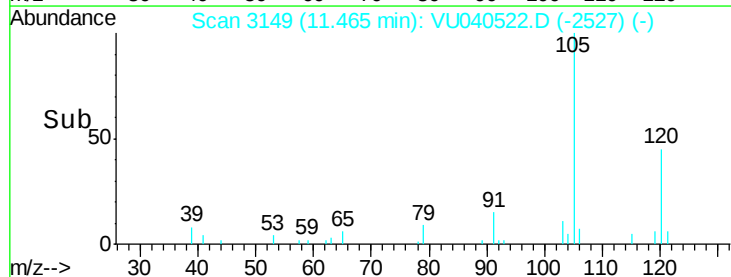
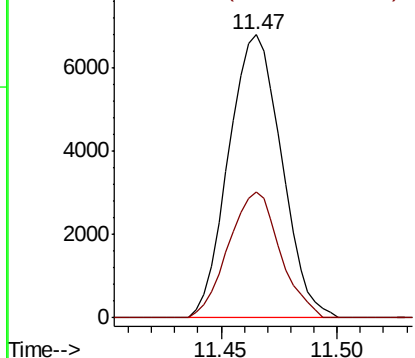


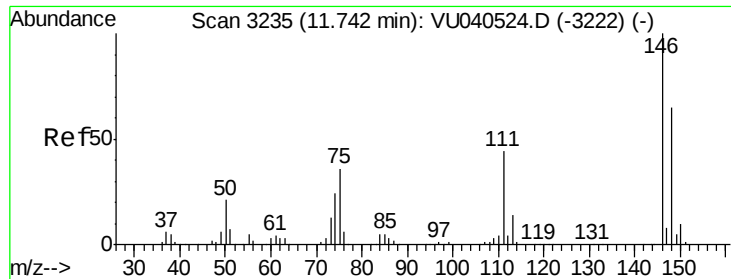
#63
 1,2,4-Trimethylbenzene
 Concen: 1.640 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Tgt Ion:105 Resp: 10774
 Ion Ratio Lower Upper
 105 100
 120 43.3 35.7 53.5



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

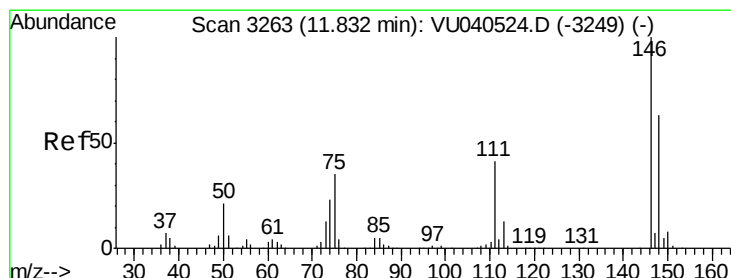
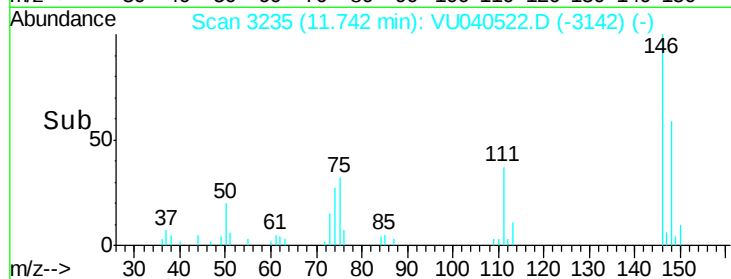
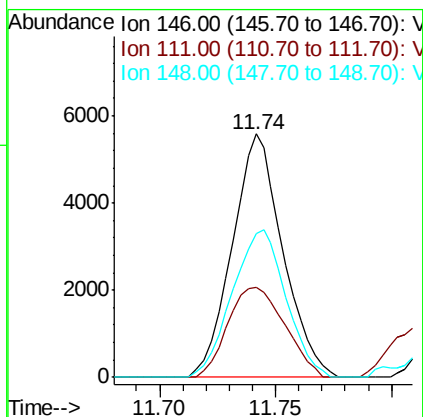
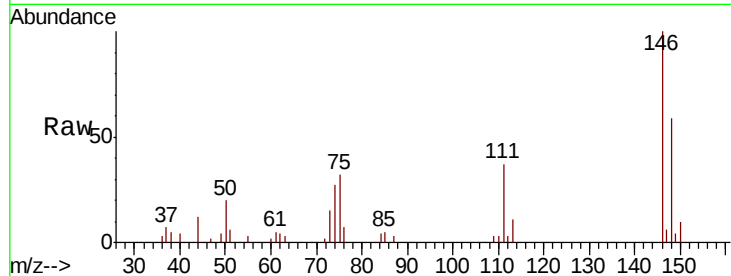




#64
 1,3-Dichlorobenzene
 Concen: 2.227 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

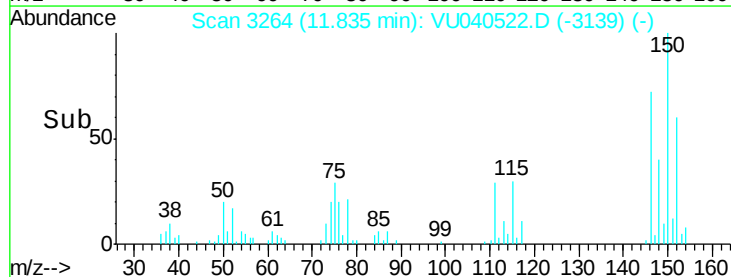
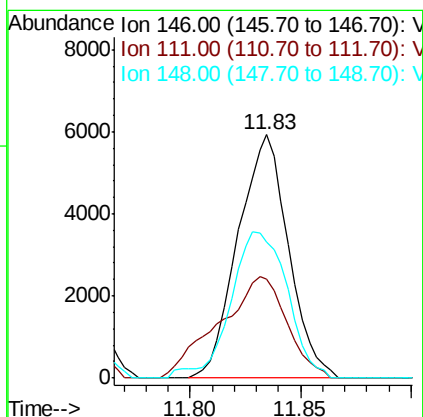
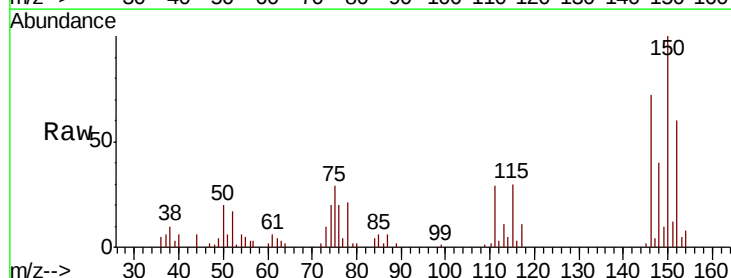
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

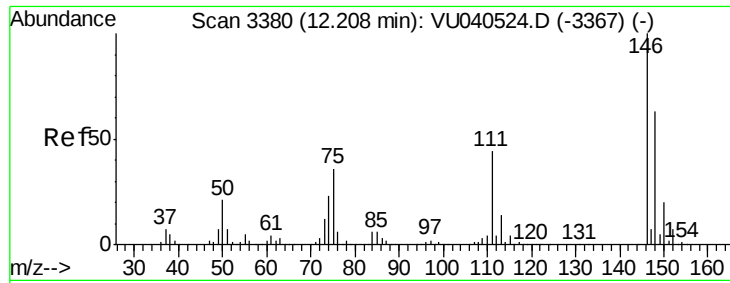
Tot Ion:146 Resp: 8433
 Ion Ratio Lower Upper
 146 100
 111 36.8 30.8 57.2
 148 59.1 45.4 84.2



#65
 1,4-Dichlorobenzene
 Concen: 2.400 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Tgt Ion:146 Resp: 9436
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.7 53.3
 148 55.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 2.477 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD005202

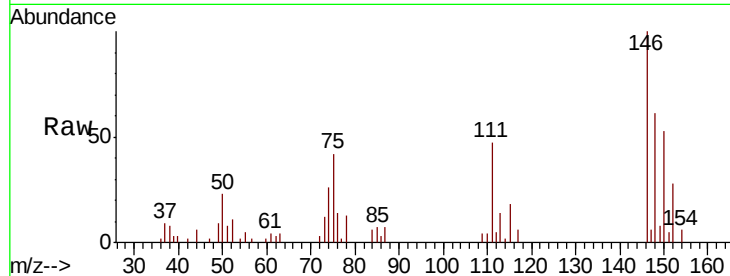
Tot Ion:146 Resp: 9344

Ion Ratio Lower Upper

146 100

111 47.3 35.7 53.5

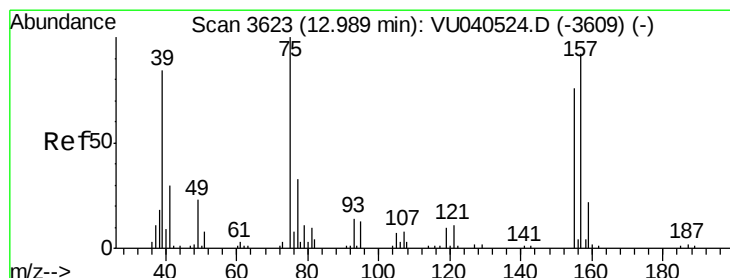
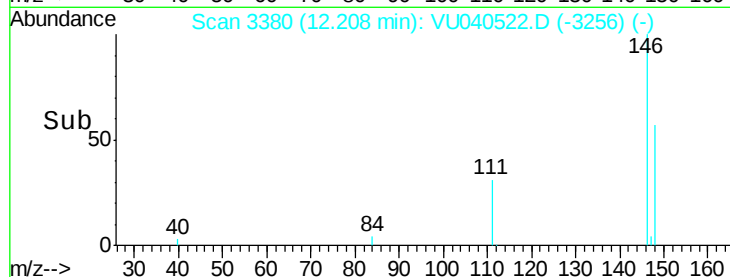
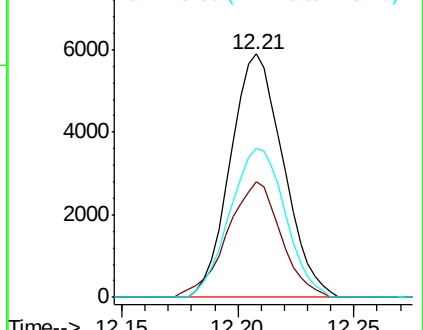
148 60.9 50.6 75.8



Abundance Ion 146.00 (145.70 to 146.70): 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: 2.677 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040522.D

Acq: 06 Oct 2020 12:51

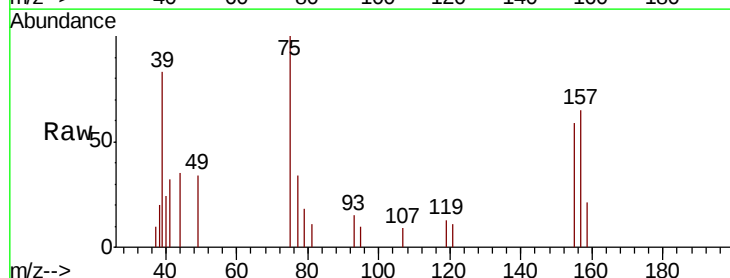
Tgt Ion: 75 Resp: 2027

Ion Ratio Lower Upper

75 100

155 59.2 61.0 91.6#

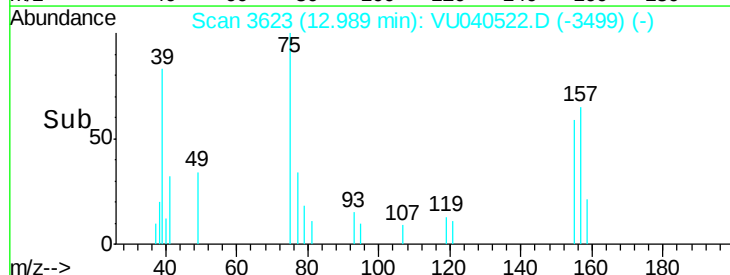
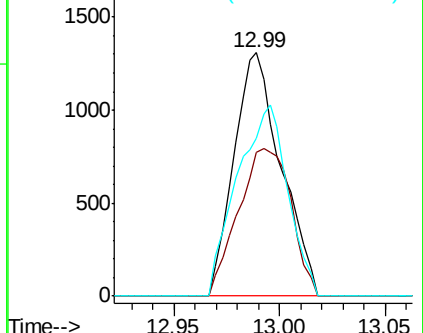
157 65.0 73.5 110.3#

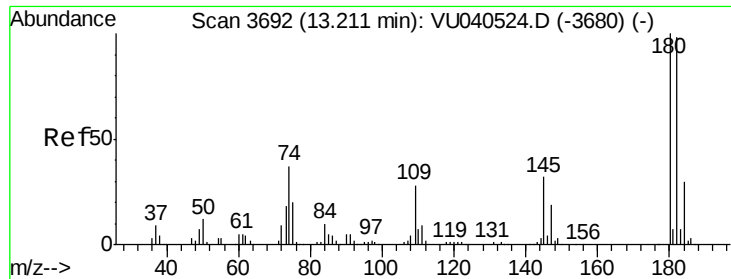


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

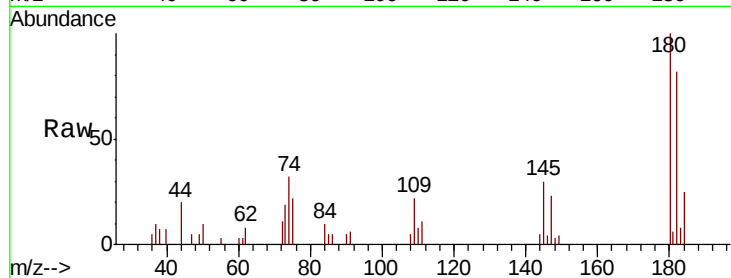




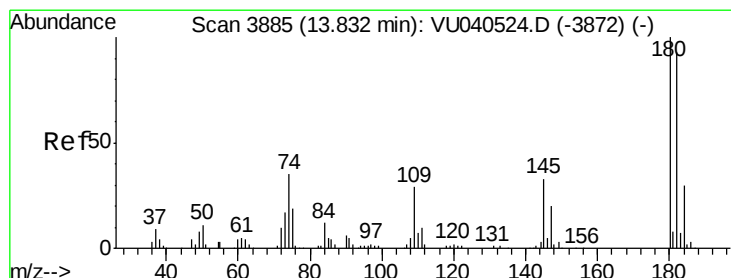
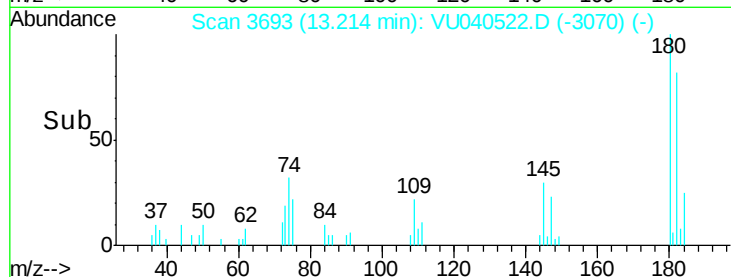
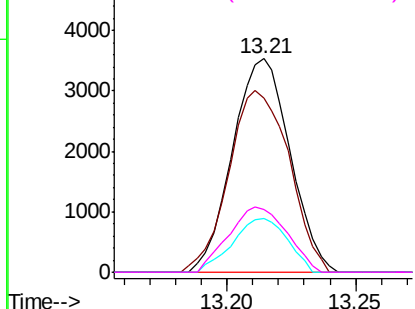
#69
 1,3,5-Trichlorobenzene
 Concen: 2.243 ug/L
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

Tot Ion:180 Resp: 5491
 Ion Ratio Lower Upper
 180 100
 182 89.5 76.9 115.3
 184 23.9 24.2 36.2#
 145 31.1 25.4 38.2

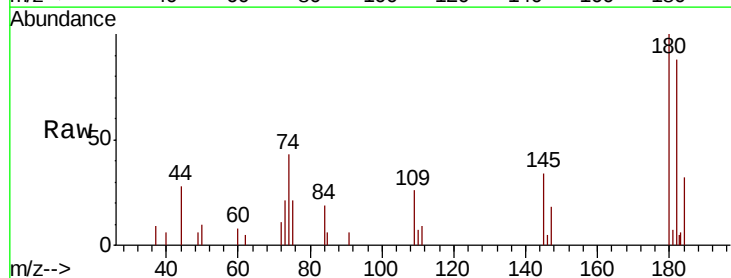


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

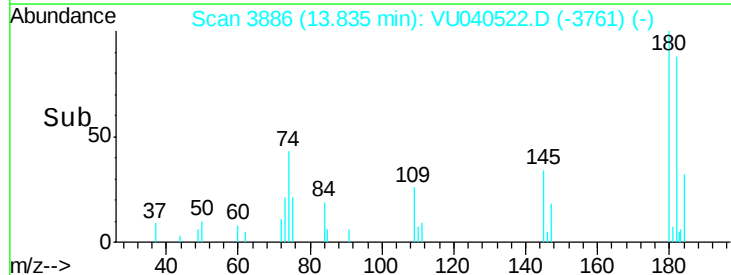
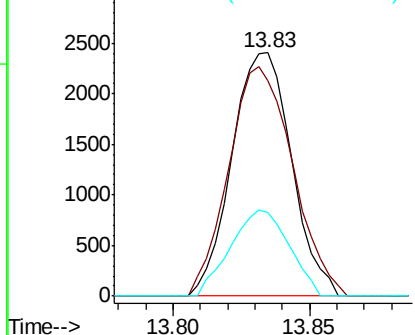


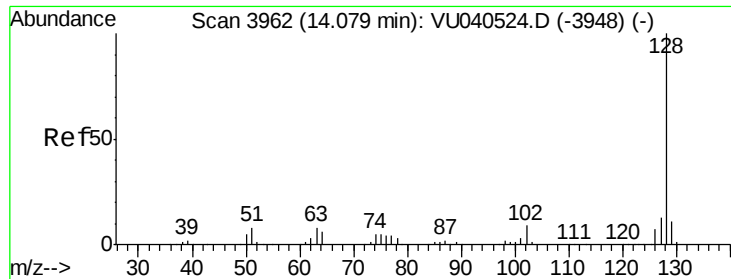
#70
 1,2,4-trichlorobenzene
 Concen: 1.736 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU040522.D
 Acq: 06 Oct 2020 12:51

Tgt Ion:180 Resp: 3650
 Ion Ratio Lower Upper
 180 100
 182 101.2 75.0 112.6
 145 34.7 25.9 38.9



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

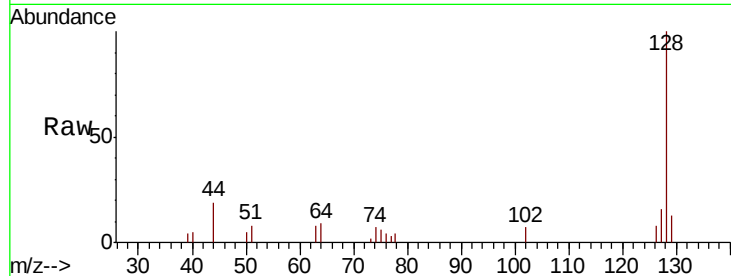




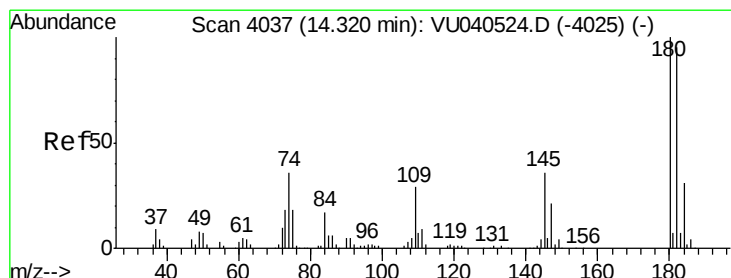
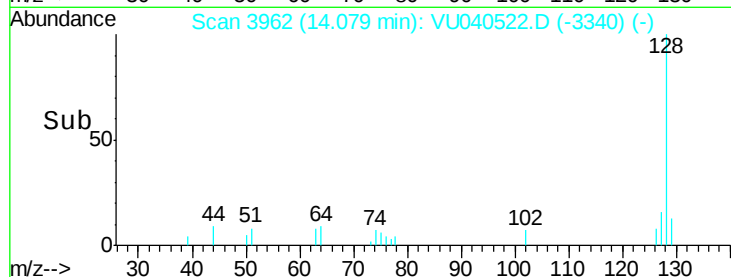
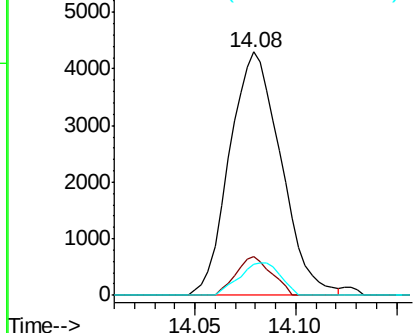
#71
Naphthalene
Concen: 1.206 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

Tot Ion:128 Resp: 7670
Ion Ratio Lower Upper
128 100
127 11.0 10.5 15.7
129 10.7 8.6 13.0

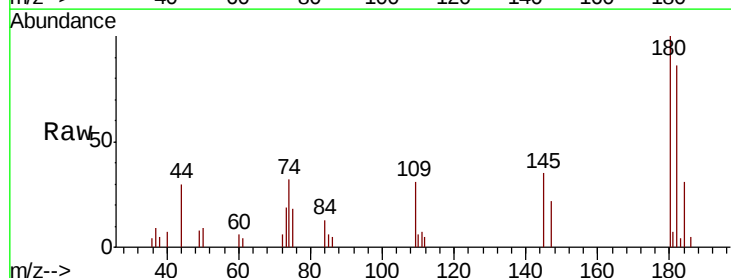


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.863 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040522.D
Acq: 06 Oct 2020 12:51

Tgt Ion:180 Resp: 3803
Ion Ratio Lower Upper
180 100
182 92.2 77.7 116.5
145 34.1 28.4 42.6



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

