

Data File : VU036652.D
Acq On : 31 Jan 2020 19:15
Operator : JC/MD
Sample : VSTD10033
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Quant Time: Jan 31 23:48:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 23:45:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	285978	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	271827	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	125503	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	271340	119.20	ug/L	0.00
7) Chloroethane-d5	1.91	69	210869	110.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	417054	114.72	ug/L	0.00
21) 2-Butanone-d5	4.67	46	317780	242.40	ug/L	0.00
24) Chloroform-d	5.11	84	397556	110.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	257946	114.13	ug/L	0.00
32) Benzene-d6	5.77	84	837724	106.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	276662	111.89	ug/L	0.00
41) Toluene-d8	7.93	98	773174	103.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	136133	115.67	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	311086	263.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	391362	108.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	265116	97.73	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	226731	101.203	ug/L	99
3) Chloromethane	1.53	50	265621	109.446	ug/L	100
5) Vinyl chloride	1.62	62	285588	110.845	ug/L	97
6) Bromomethane	1.85	94	130681	87.891	ug/L	97
8) Chloroethane	1.93	64	162887	106.155	ug/L	100
9) Trichlorofluoromethane	2.15	101	311723	104.311	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	180405	98.683	ug/L	98
12) 1,1-Dichloroethene	2.60	96	182525	100.850	ug/L	93
13) Acetone	2.66	43	238184	189.152	ug/L	99
14) Carbon disulfide	2.82	76	552542	101.120	ug/L	100
15) Methyl Acetate	2.98	43	242476	119.421	ug/L	100
16) Methylene chloride	3.08	84	219545	100.168	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	193449	100.176	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	685062	108.579	ug/L	99
19) 1,1-Dichloroethane	3.91	63	385248	109.241	ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	223529	101.772	ug/L	97
22) 2-Butanone	4.75	43	359333	232.138	ug/L	98
23) Bromochloromethane	5.02	128	103122	92.410	ug/L	98
25) Chloroform	5.13	83	371092	103.867	ug/L	98
27) 1,2-Dichloroethane	5.84	62	298942	109.996	ug/L	99
29) Cyclohexane	5.43	56	367084	111.337	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	304750	103.751	ug/L	99
31) Carbon tetrachloride	5.57	117	247757	99.443	ug/L	99
33) Benzene	5.81	78	862239	103.113	ug/L	100
34) Trichloroethene	6.58	95	210997	98.997	ug/L	99
35) Methylcyclohexane	6.80	83	364174	101.556	ug/L	99
37) 1,2-Dichloropropane	6.83	63	231933	108.077	ug/L	99
38) Bromodichloromethane	7.14	83	283781	106.301	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	381477	110.870	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	698051	244.909	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	927585	102.589	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	332572	110.211	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	210514	100.171	ug/L	99
46) Tetrachloroethene	8.58	164	146422	87.030	ug/L	100
48) 2-Hexanone	8.72	43	546367	255.114	ug/L	99
49) Dibromochloromethane	8.84	129	211020	96.221	ug/L	95
50) 1,2-Dibromoethane	8.95	107	222192	98.796	ug/L	97
51) Chlorobenzene	9.47	112	550269	95.082	ug/L	100
52) Ethylbenzene	9.60	91	1022285	102.974	ug/L	100
53) m,p-Xylene	9.72	106	376484	98.354	ug/L	100
54) o-xylene	10.12	106	377926	98.983	ug/L	100
55) Styrene	10.14	104	655417	105.077	ug/L	100
56) Isopropylbenzene	10.51	105	983944	101.008	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	382605	104.760	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	302461	105.010	ug/L	99
61) Bromoform	10.32	173	157638	94.622	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	417780	97.298	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	410882	97.082	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	414135	95.197	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	86450	119.334	ug/L	99
67) 1,3,5-Trichlorobenzene	13.23	180	288937	98.653	ug/L	99
68) 1,2,4-trichlorobenzene	13.85	180	252848	118.442	ug/L	99
69) Naphthalene	14.10	128	943829	142.168	ug/L	100
70) 1,2,3-Trichlorobenzene	14.34	180	251679	114.133	ug/L	99

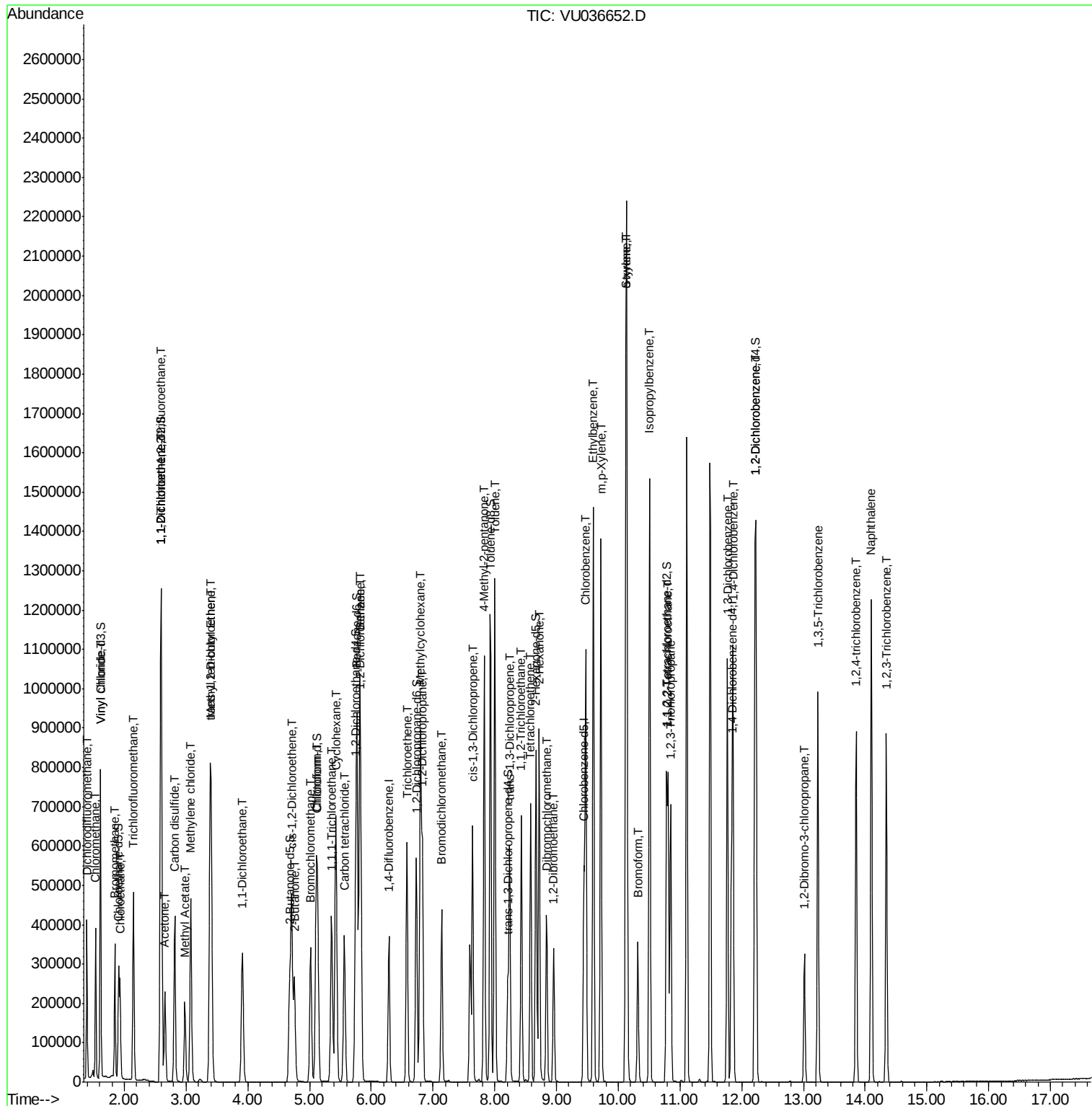
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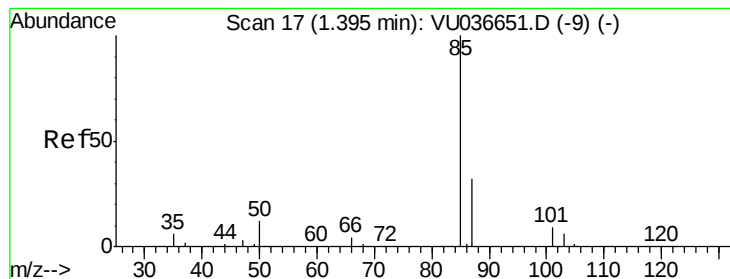
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#2

Dichlorodifluoromethane

Concen: 101.203 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

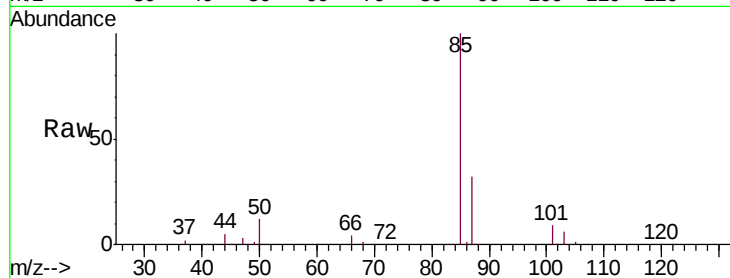
VSTD10033

Tgt Ion: 85 Resp: 226731

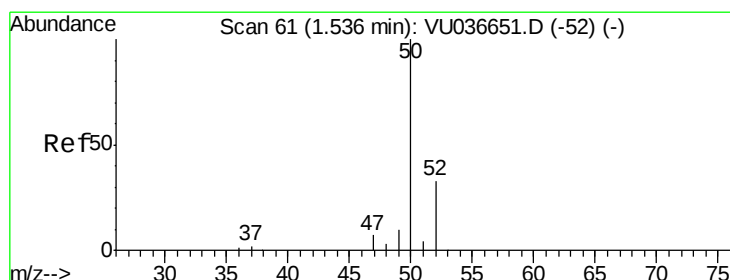
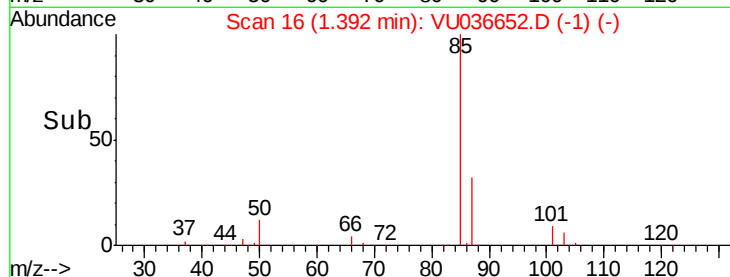
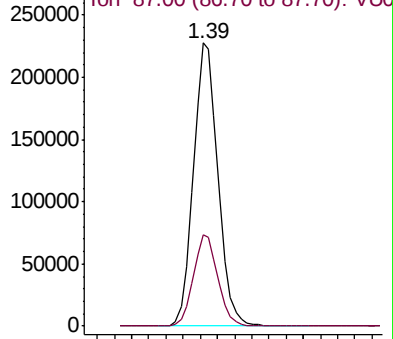
Ion Ratio Lower Upper

85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU036652.D (-1) (-)



#3

Chloromethane

Concen: 109.446 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036652.D

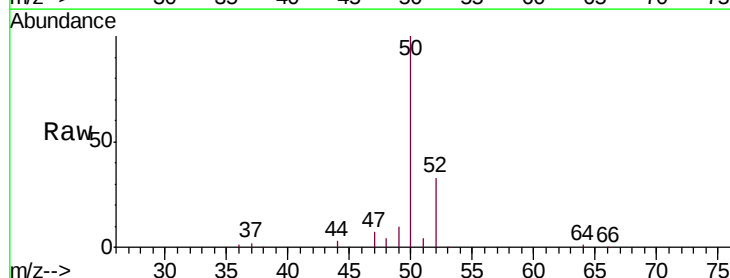
Acq: 31 Jan 2020 19:15

Tgt Ion: 50 Resp: 265621

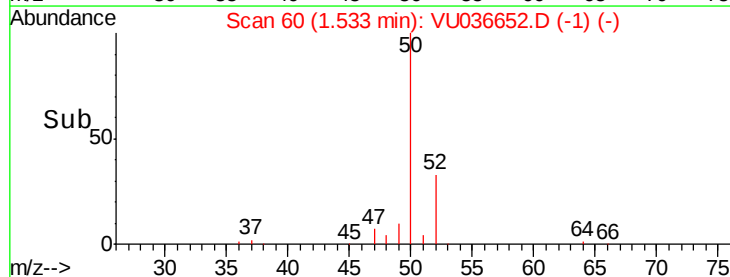
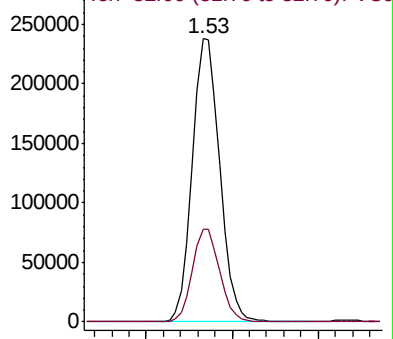
Ion Ratio Lower Upper

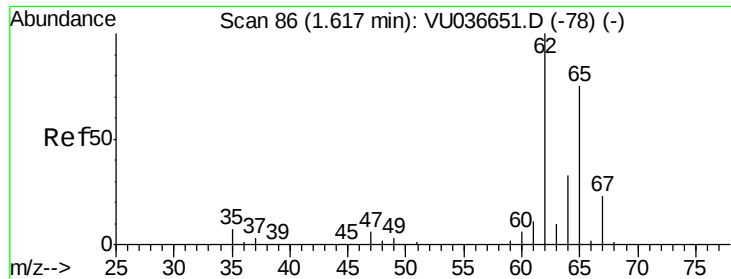
50 100

52 32.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036652.D (-1) (-)





#5

Vinyl chloride

Concen: 110.845 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

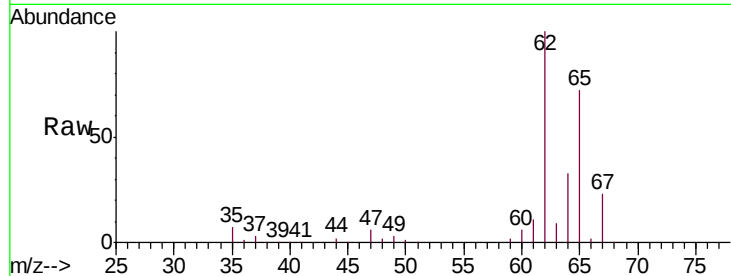
VSTD10033

Tgt Ion: 62 Resp: 285588

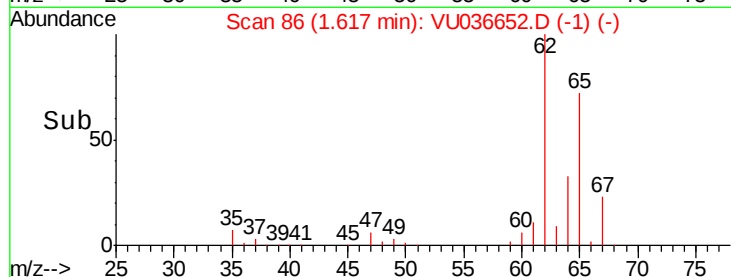
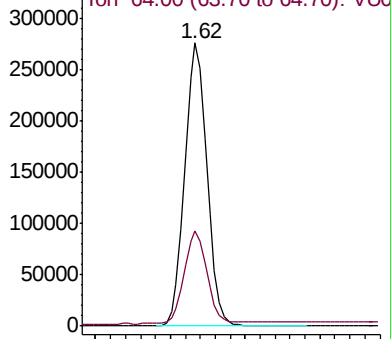
Ion Ratio Lower Upper

62 100

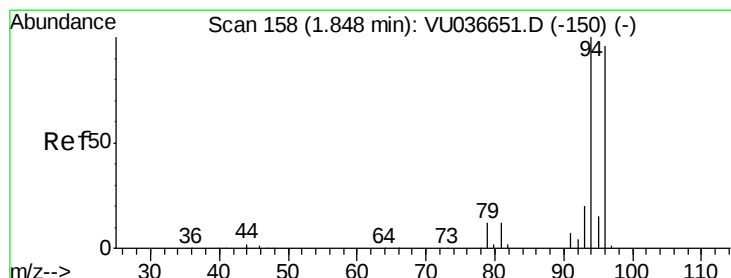
64 33.5 24.7 45.9



Abundance Ion 62.00 (61.70 to 62.70): VU036652.D (-65) (-)



Time-->



#6

Bromomethane

Concen: 87.891 ug/L

RT: 1.85 min Scan# 158

Delta R.T. 0.00 min

Lab File: VU036652.D

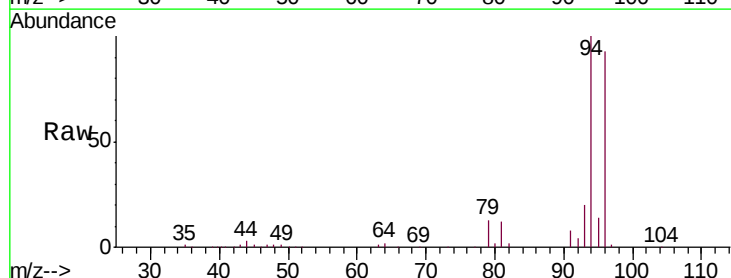
Acq: 31 Jan 2020 19:15

Tgt Ion: 94 Resp: 130681

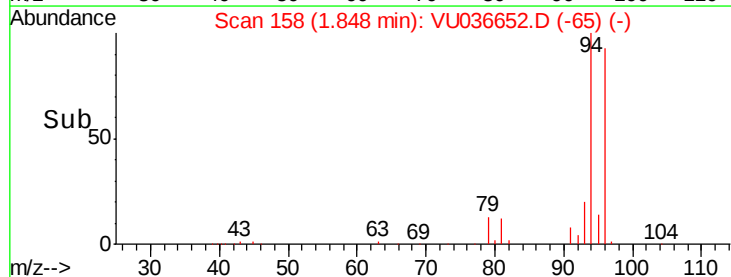
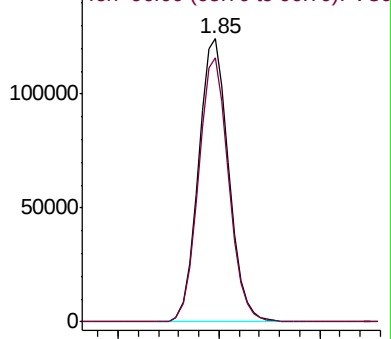
Ion Ratio Lower Upper

94 100

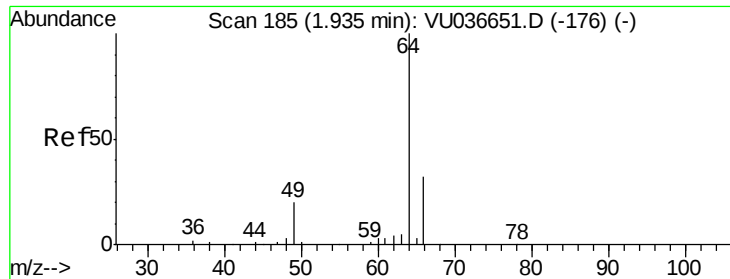
96 93.1 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU036652.D (-65) (-)



Time-->



#8

Chloroethane

Concen: 106.155 ug/L

RT: 1.93 min Scan# 184

Delta R.T. -0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

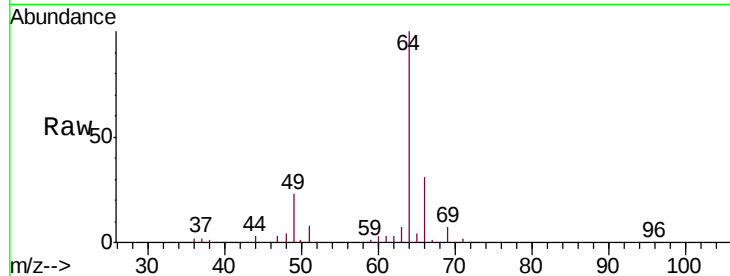
VSTD10033

Tgt Ion: 64 Resp: 162887

Ion Ratio Lower Upper

64 100

66 31.4 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VU036651.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU036651.D (-176) (-)

1.93

150000

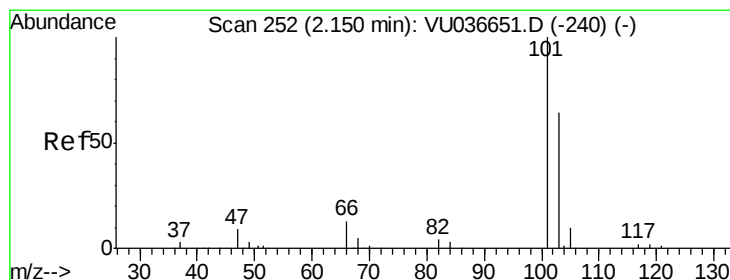
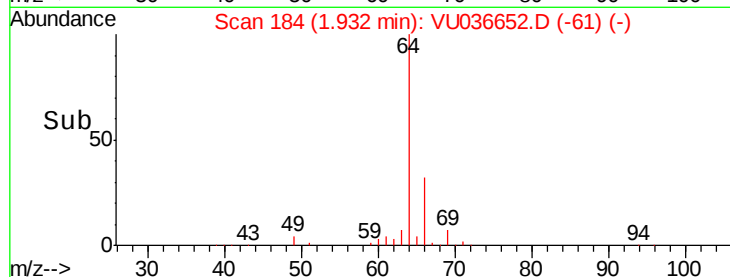
100000

50000

0

Time-->

1.85 1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 104.311 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU036652.D

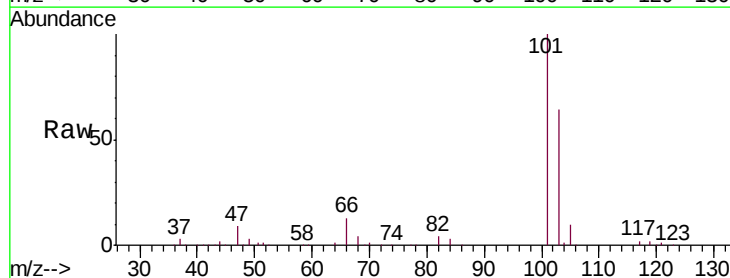
Acq: 31 Jan 2020 19:15

Tgt Ion: 101 Resp: 311723

Ion Ratio Lower Upper

101 100

103 63.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU036651.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU036651.D (-240) (-)

2.15

250000

200000

150000

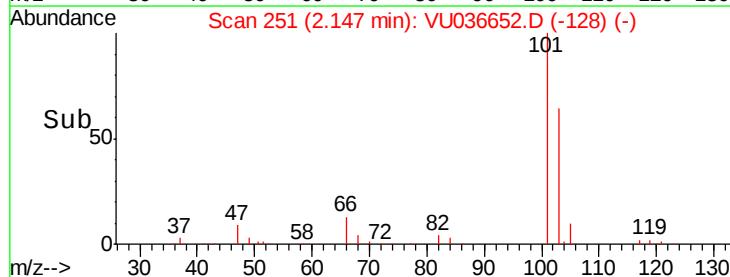
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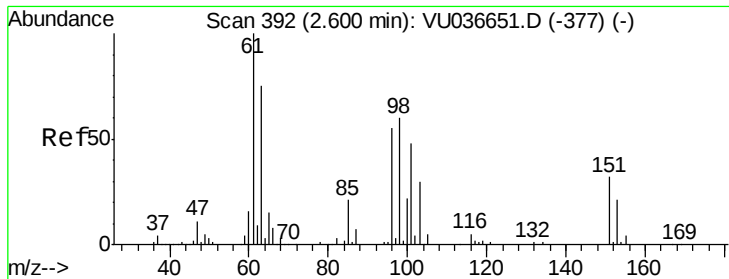
50000

0

Time-->

2.05 2.10 2.15 2.20 2.25





#10

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

Concen: 98.683 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

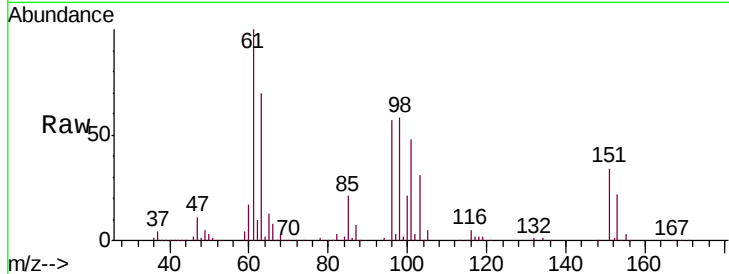
Tgt Ion: 101 Resp: 180405

Ion Ratio Lower Upper

101 100

85 43.6 35.8 53.8

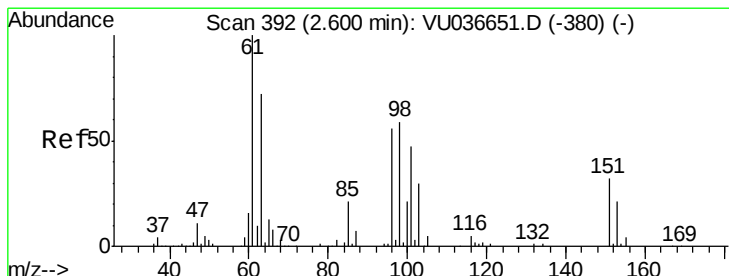
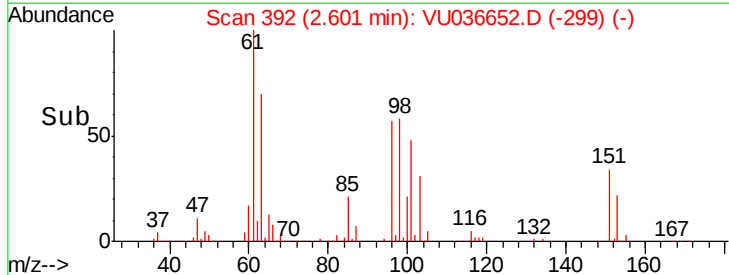
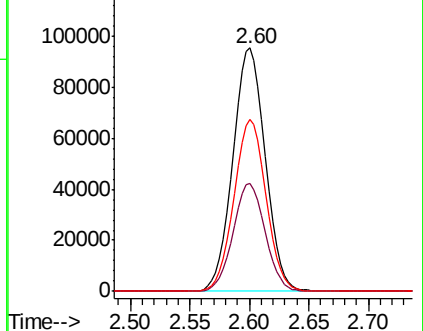
151 69.9 54.7 82.1



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: 100.850 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

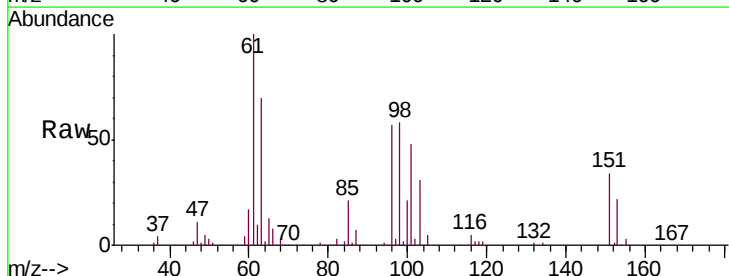
Tgt Ion: 96 Resp: 182525

Ion Ratio Lower Upper

96 100

61 176.4 126.8 235.4

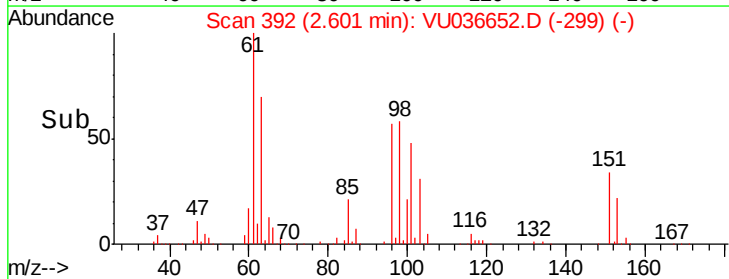
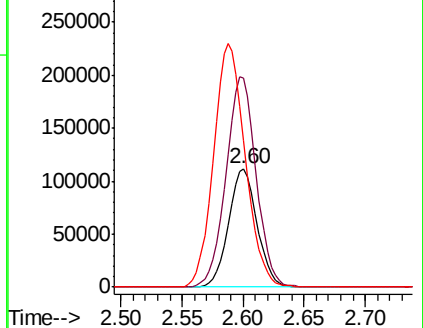
63 123.8 95.8 177.8

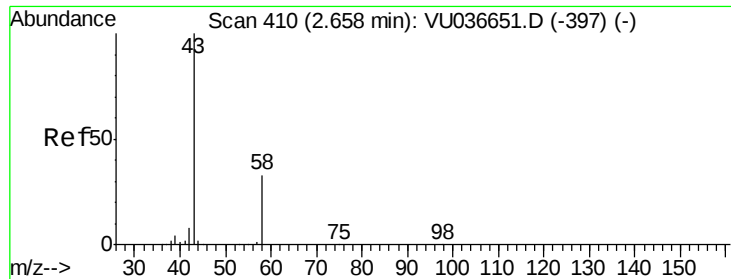


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 189.152 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

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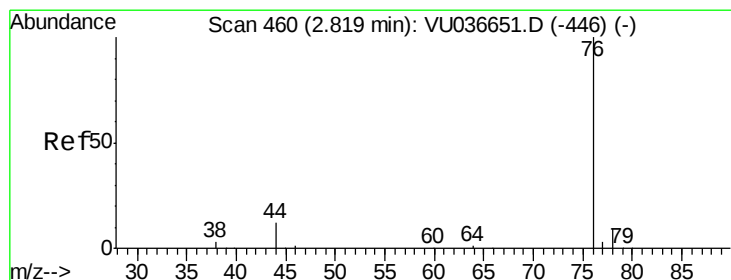
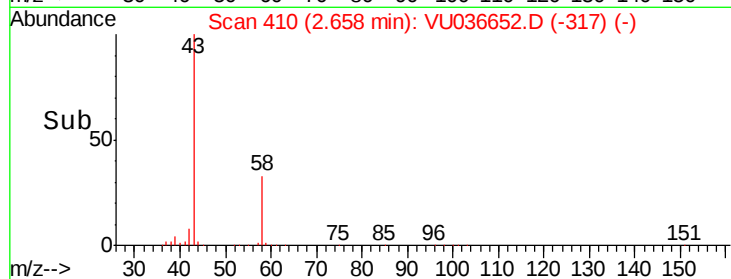
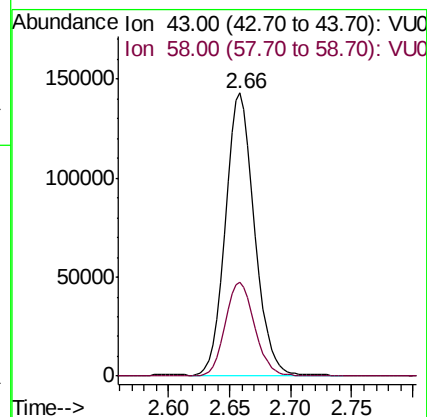
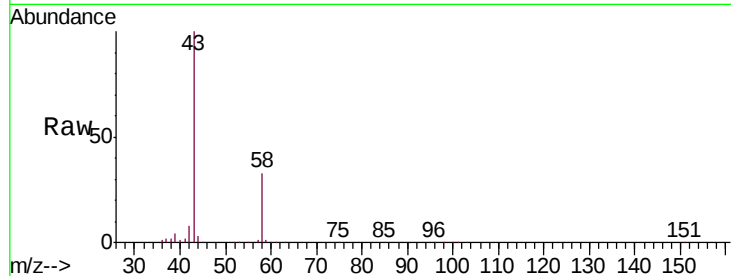
VSTD10033

Tgt Ion: 43 Resp: 238184

Ion Ratio Lower Upper

43 100

58 33.6 0.0 67.8



#14

Carbon disulfide

Concen: 101.120 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU036652.D

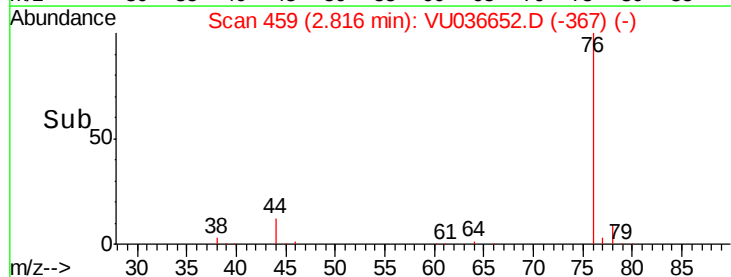
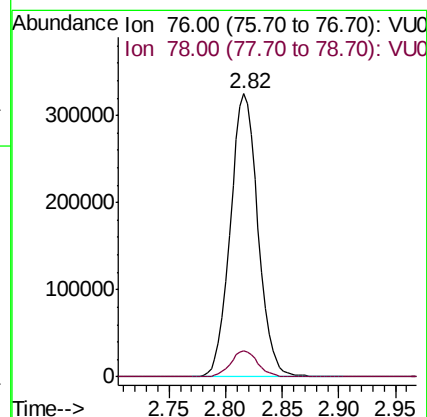
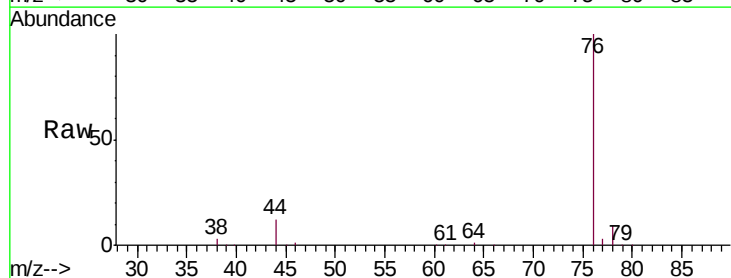
Acq: 31 Jan 2020 19:15

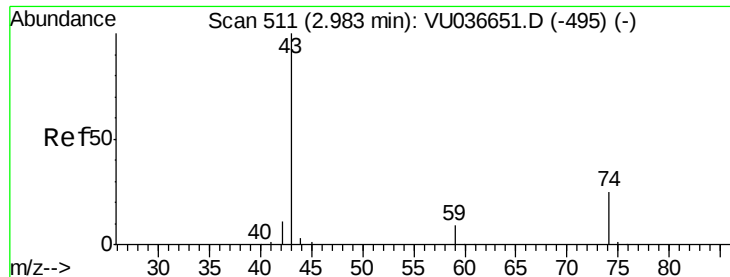
Tgt Ion: 76 Resp: 552542

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

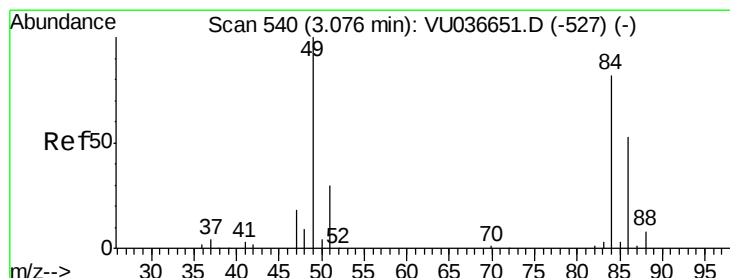
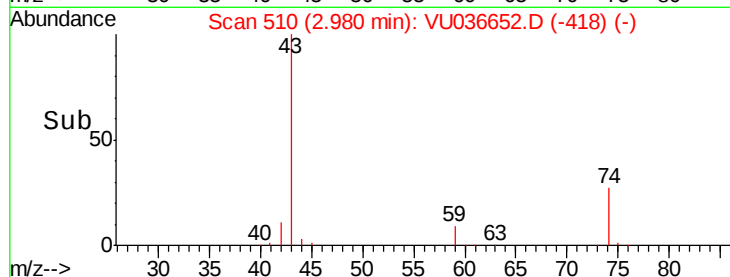
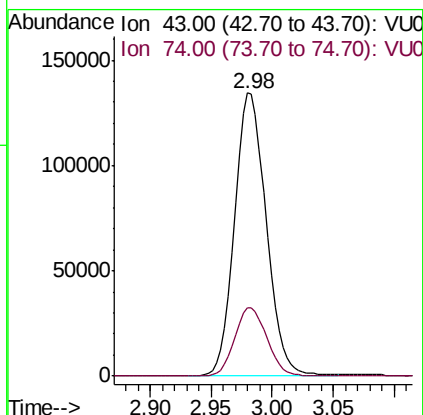
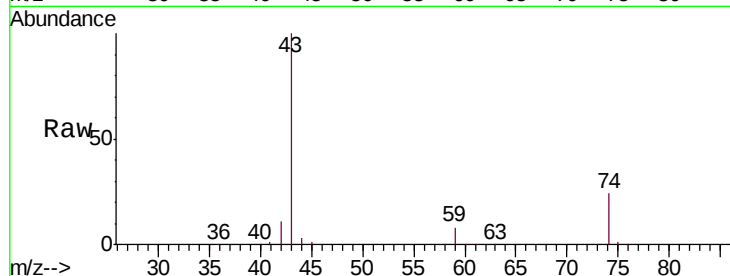




#15
Methyl Acetate
Concen: 119.421 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU036652.D
Acq: 31 Jan 2020 19:15

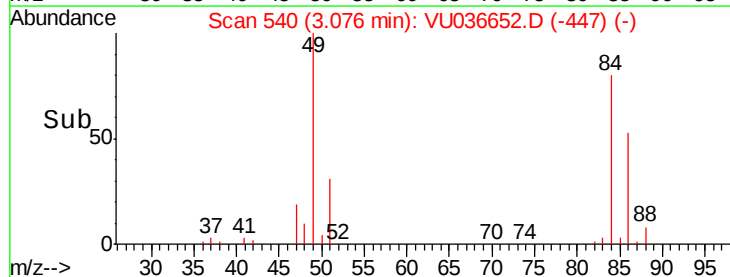
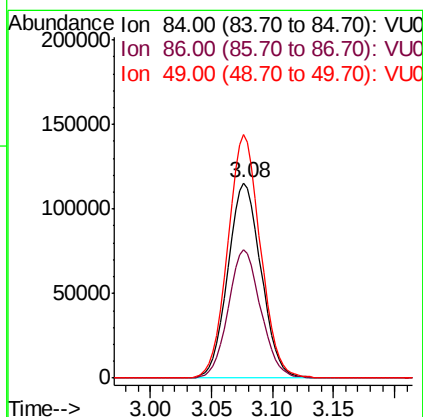
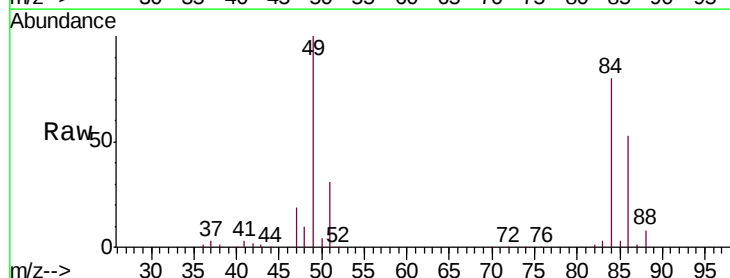
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

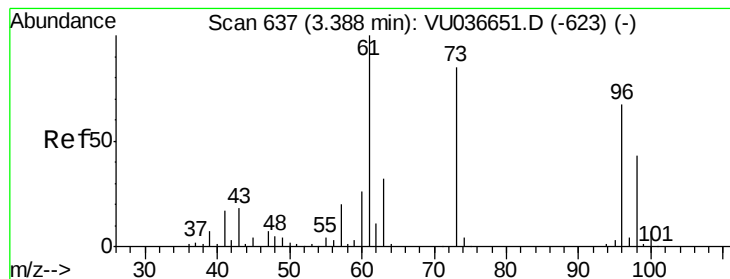
Tgt Ion: 43 Resp: 242476
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2



#16
Methylene chloride
Concen: 100.168 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU036652.D
Acq: 31 Jan 2020 19:15

Tgt Ion: 84 Resp: 219545
Ion Ratio Lower Upper
84 100
86 65.7 45.1 83.9
49 124.5 85.3 158.3





#17

trans-1,2-Dichloroethene

Concen: 100.176 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

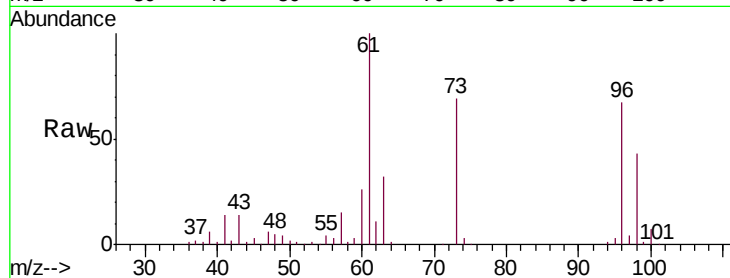
Tgt Ion: 96 Resp: 193449

Ion Ratio Lower Upper

96 100

61 148.7 104.2 193.6

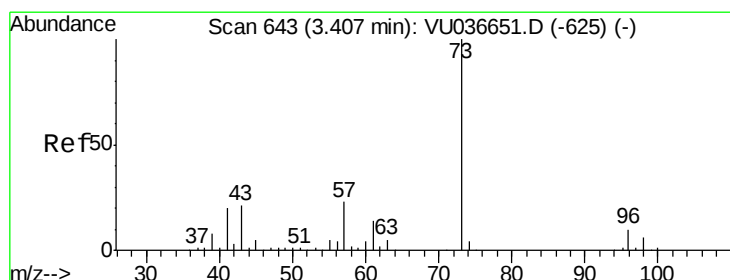
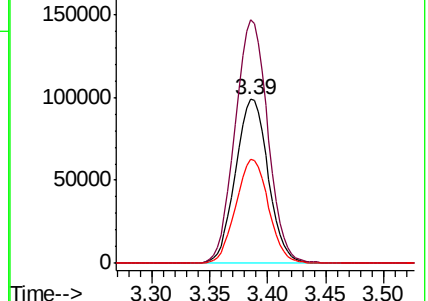
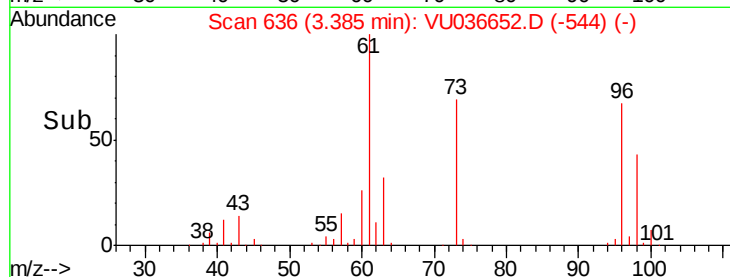
98 63.4 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 108.579 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

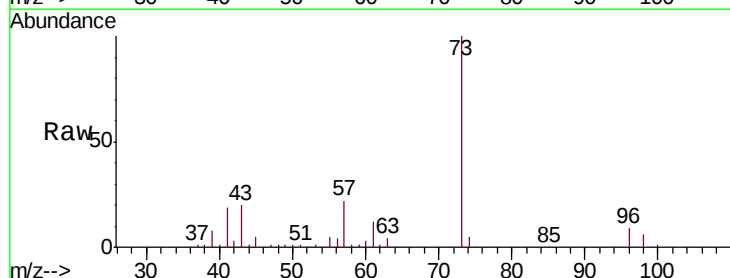
Tgt Ion: 73 Resp: 685062

Ion Ratio Lower Upper

73 100

43 20.2 16.6 24.8

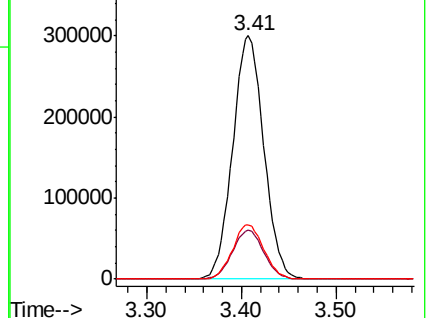
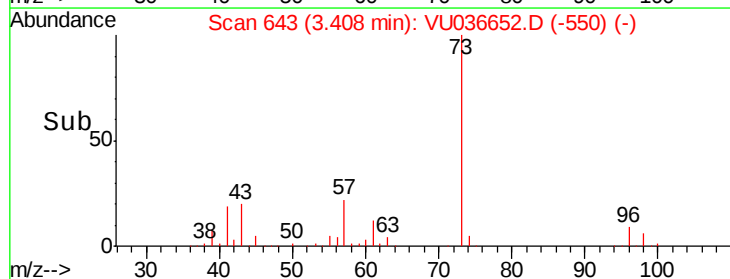
57 22.4 18.0 27.0

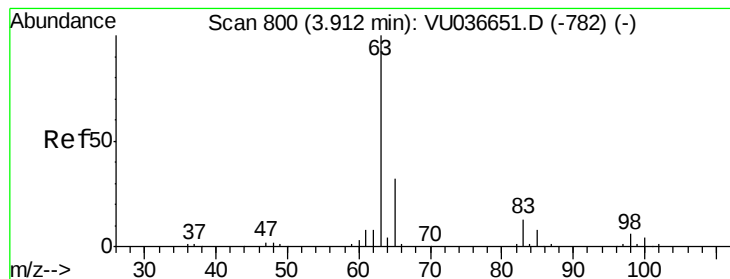


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 109.241 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

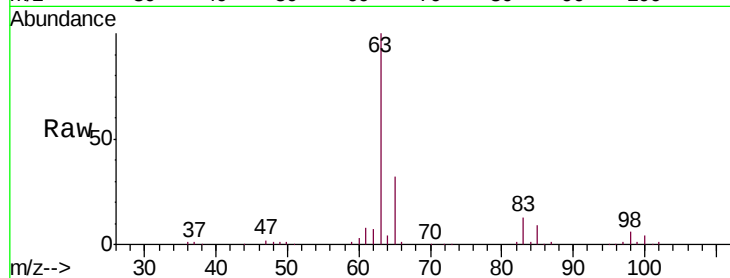
Tgt Ion: 63 Resp: 385248

Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.5

83 12.9 9.0 16.8

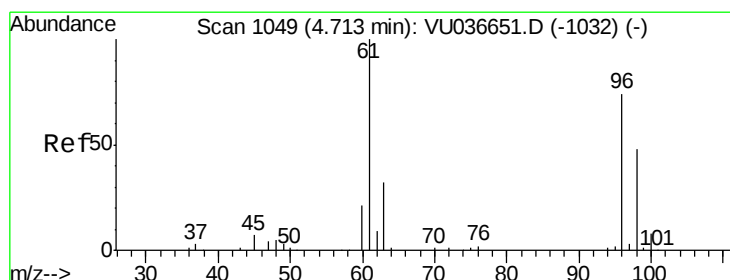
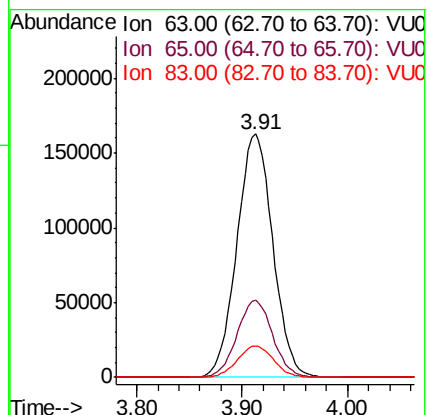
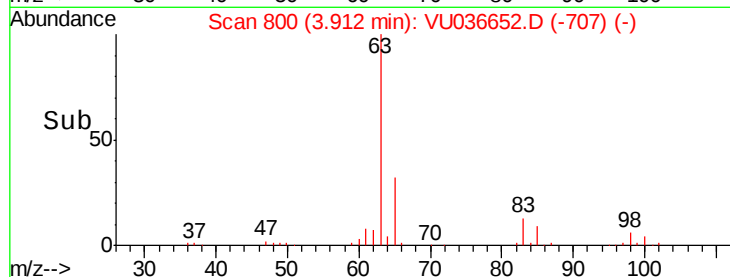


Abundance Ion 63.00 (62.70 to 63.70): VU036651.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU036651.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU036651.D (-782) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 101.772 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

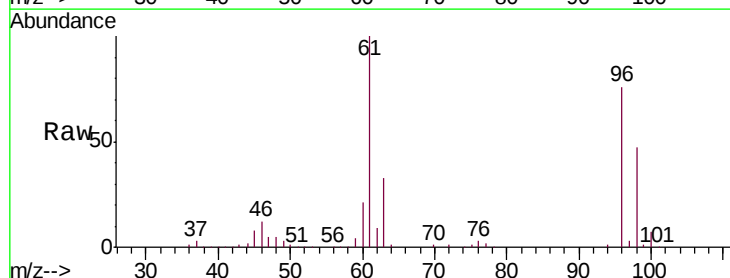
Tgt Ion: 96 Resp: 223529

Ion Ratio Lower Upper

96 100

61 131.6 94.9 176.3

68 0.0 0.0 0.0

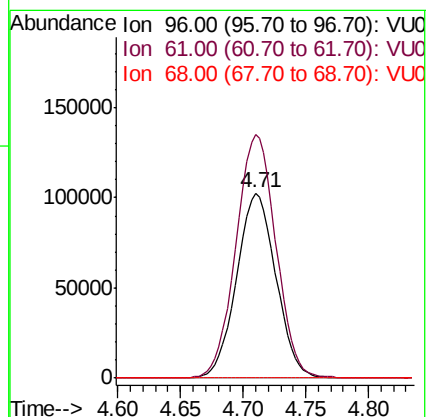
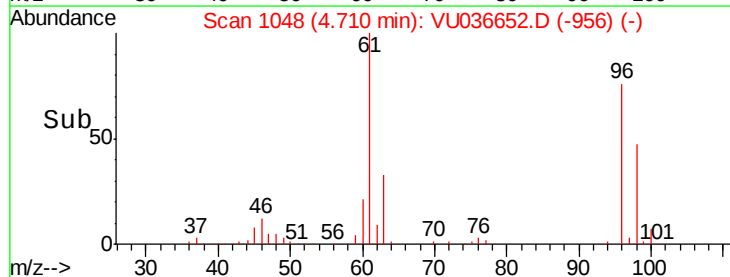


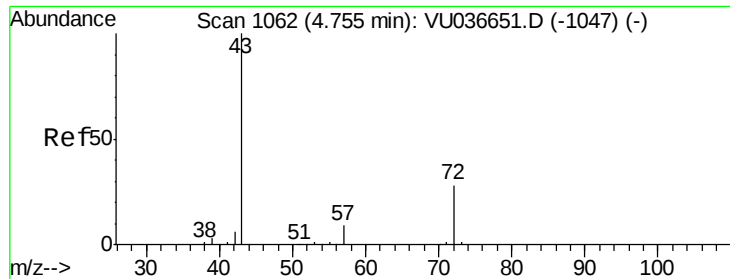
Abundance Ion 96.00 (95.70 to 96.70): VU036651.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU036651.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU036651.D (-1032) (-)

Time-->





#22

2-Butanone

Concen: 232.138 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

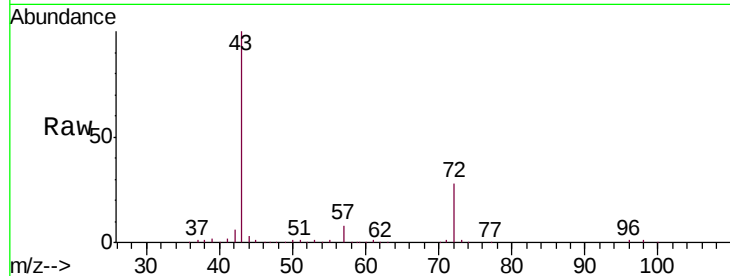
VSTD10033

Tgt Ion: 43 Resp: 359333

Ion Ratio Lower Upper

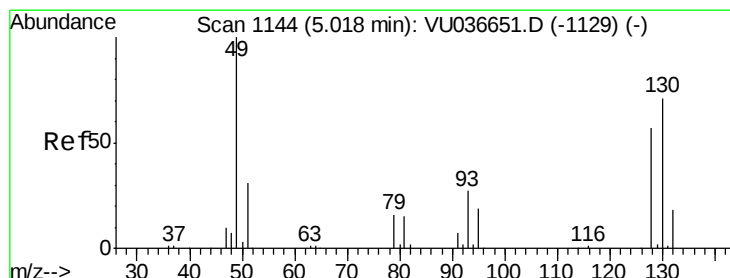
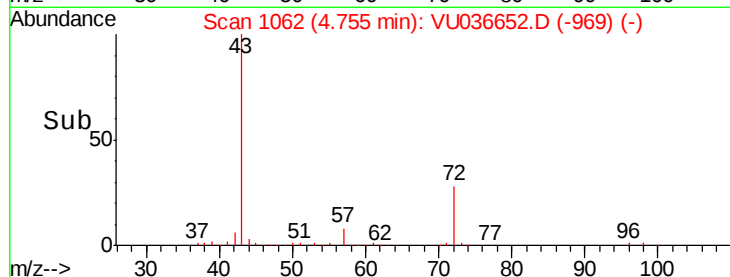
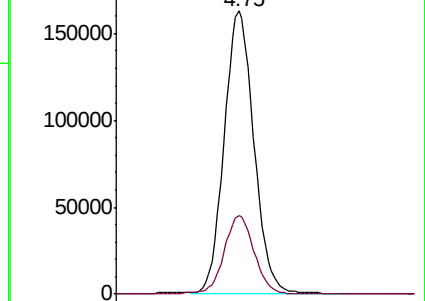
43 100

72 28.5 14.6 44.0



Abundance Ion 43.00 (42.70 to 43.70): VU036652.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036652.D (-969) (-)



#23

Bromochloromethane

Concen: 92.410 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Tgt Ion: 128 Resp: 103122

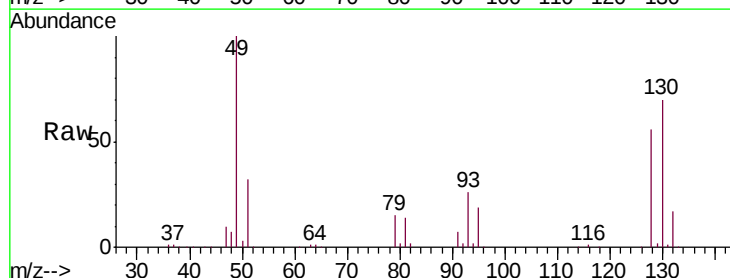
Ion Ratio Lower Upper

128 100

49 180.0 123.8 229.8

130 126.9 87.8 163.2

51 57.3 43.4 65.0

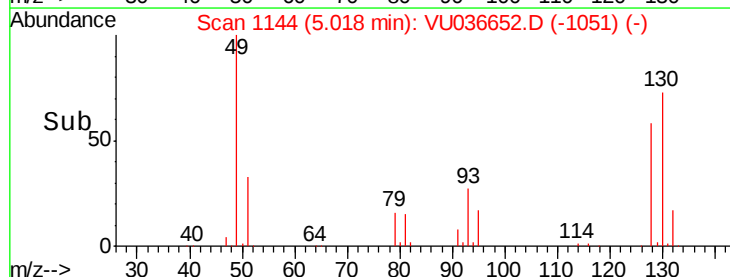
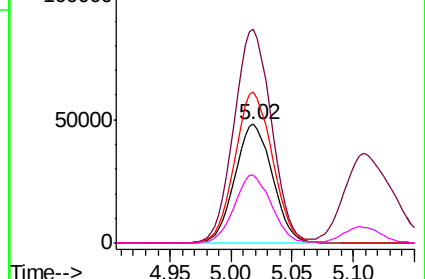


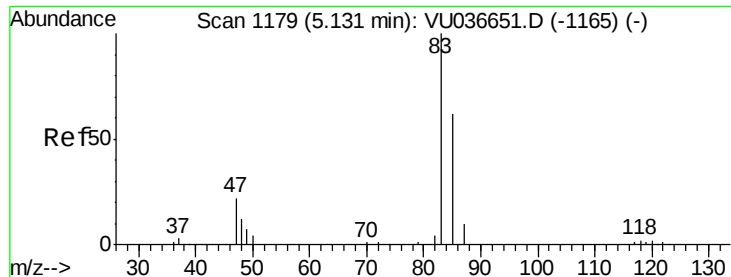
Abundance Ion 128.00 (127.70 to 128.70): VU036652.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU036652.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU036652.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU036652.D (-1051) (-)

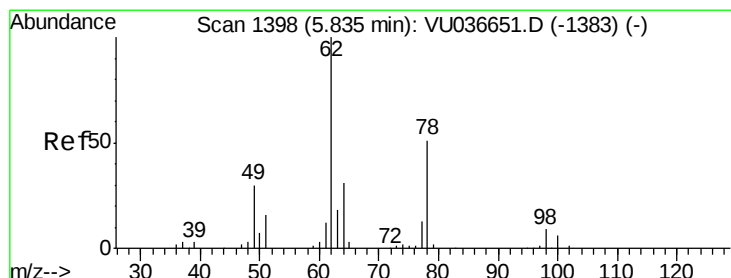
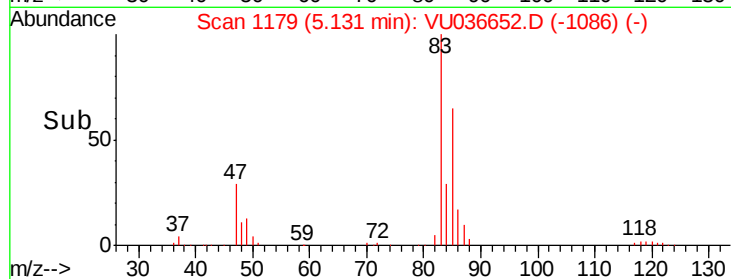
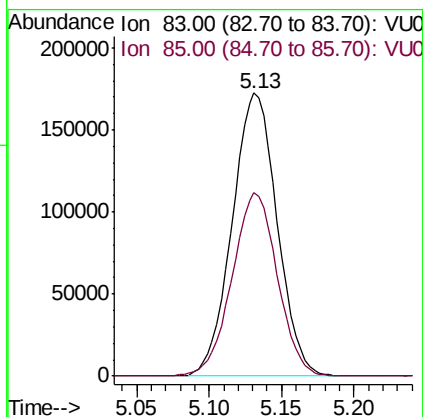
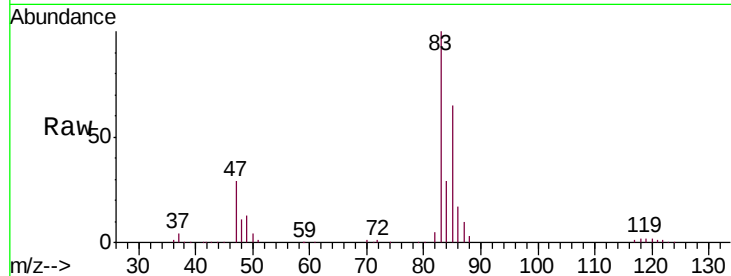




#25
Chloroform
Concen: 103.867 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036652.D
Acq: 31 Jan 2020 19:15

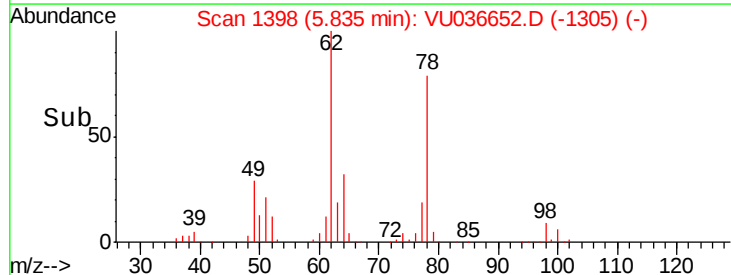
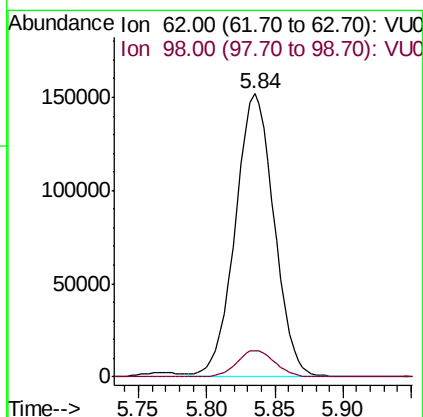
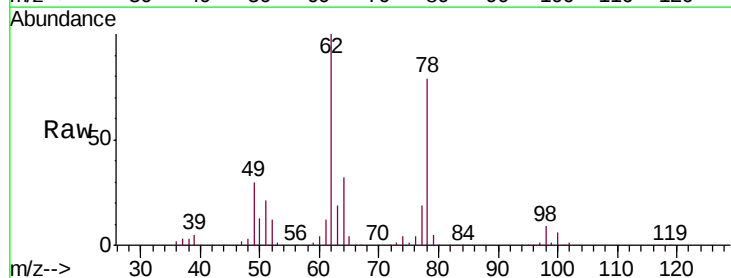
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

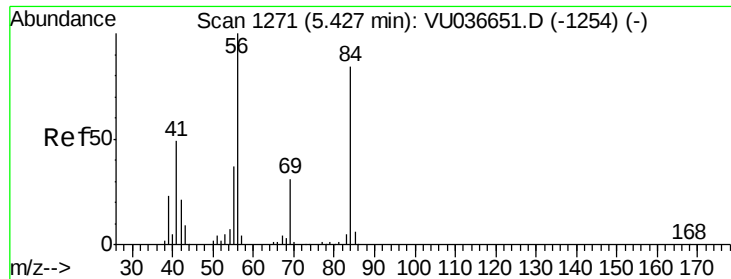
Tgt Ion: 83 Resp: 371092
Ion Ratio Lower Upper
83 100
85 64.9 44.3 82.3



#27
1,2-Dichloroethane
Concen: 109.996 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036652.D
Acq: 31 Jan 2020 19:15

Tgt Ion: 62 Resp: 298942
Ion Ratio Lower Upper
62 100
98 9.3 7.3 10.9

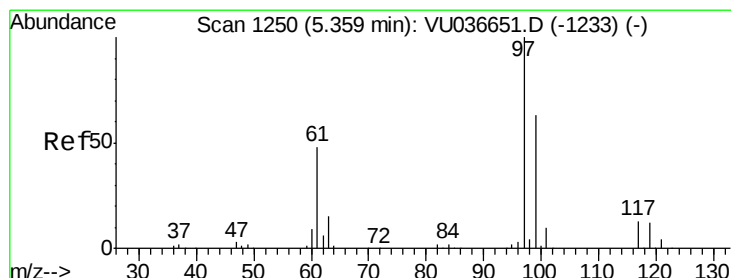
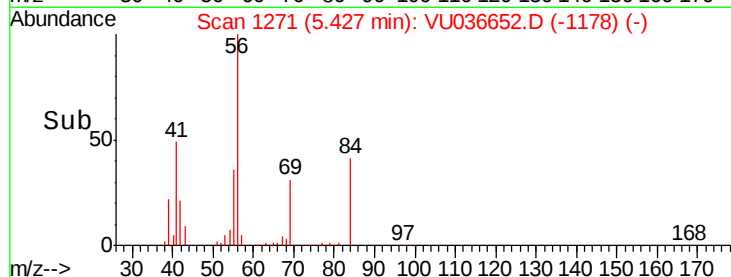
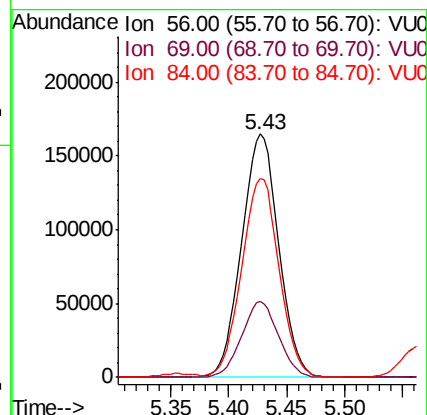
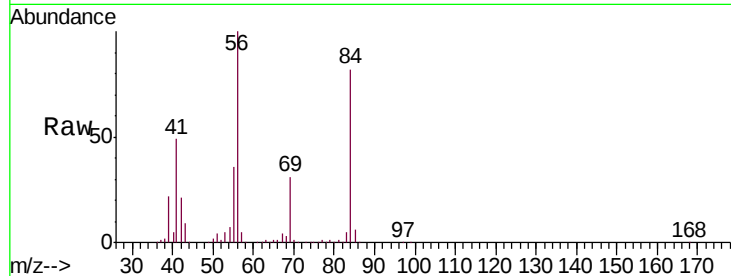




#29
Cyclohexane
Concen: 111.337 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036652.D
Acq: 31 Jan 2020 19:15

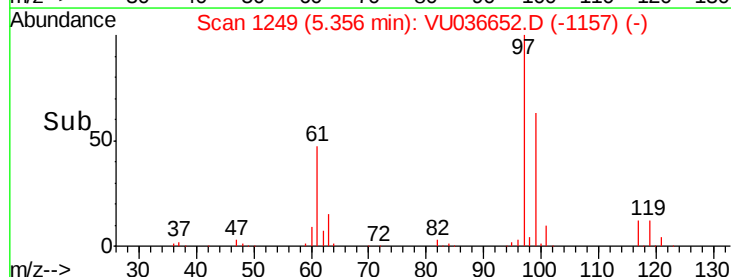
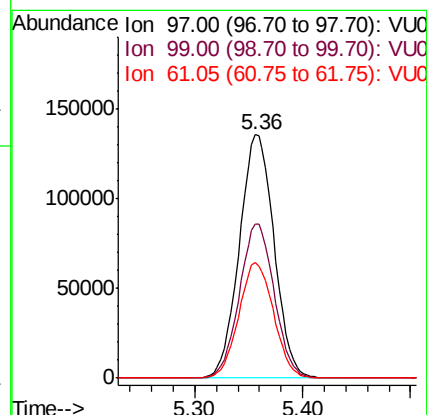
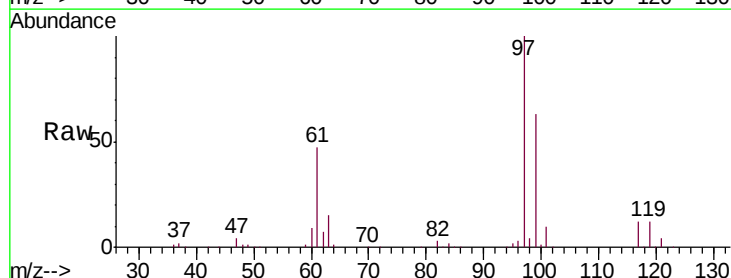
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

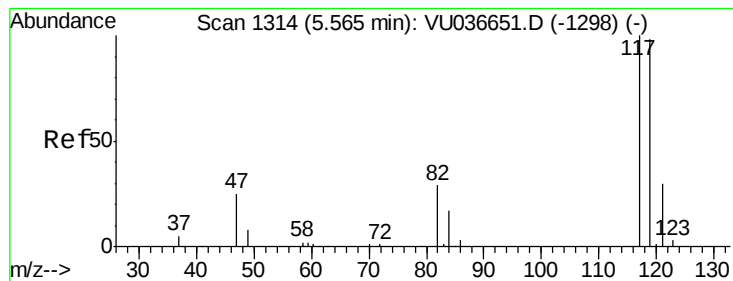
Tgt Ion: 56 Resp: 367084
Ion Ratio Lower Upper
56 100
69 30.8 25.0 37.4
84 82.3 66.2 99.2



#30
1,1,1-Trichloroethane
Concen: 103.751 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036652.D
Acq: 31 Jan 2020 19:15

Tgt Ion: 97 Resp: 304750
Ion Ratio Lower Upper
97 100
99 63.4 51.5 77.3
61 47.6 38.2 57.4





#31

Carbon tetrachloride

Concen: 99.443 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

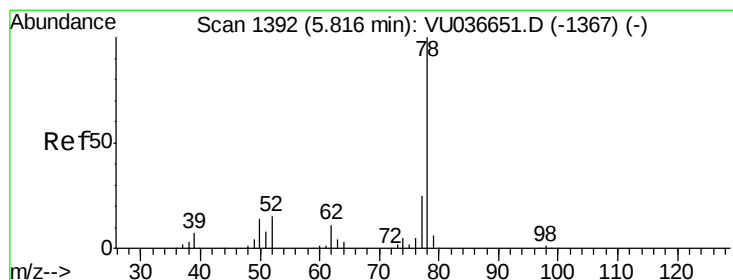
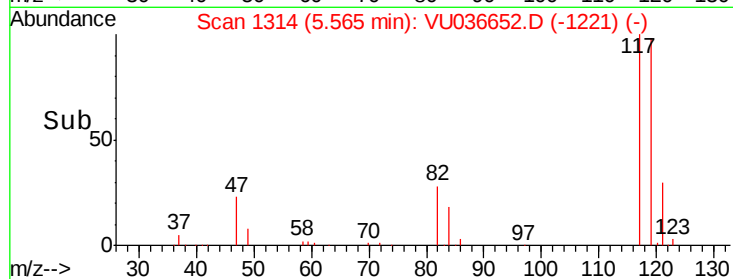
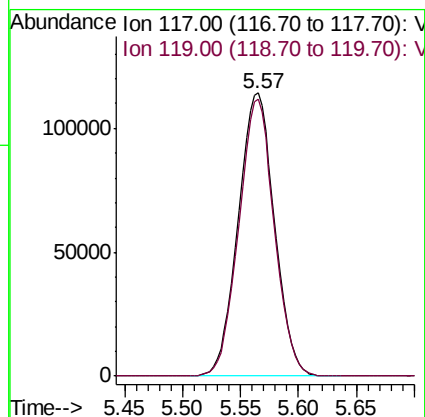
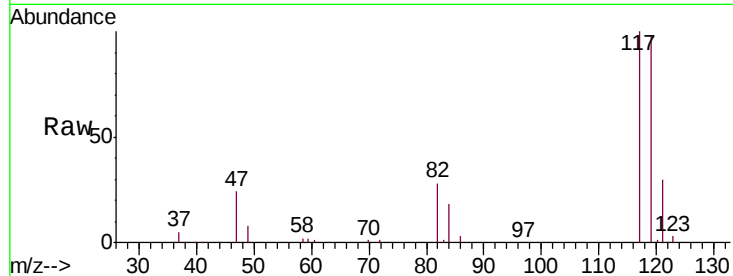
VSTD10033

Tgt Ion:117 Resp: 247757

Ion Ratio Lower Upper

117 100

119 95.9 77.7 116.5



#33

Benzene

Concen: 103.113 ug/L

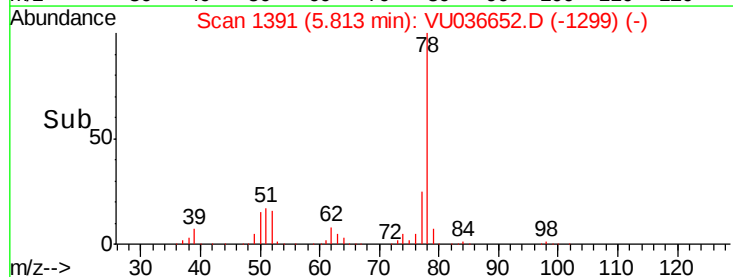
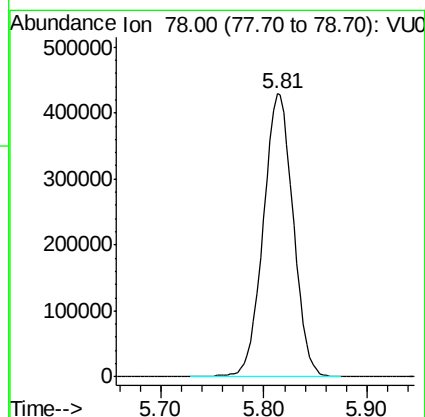
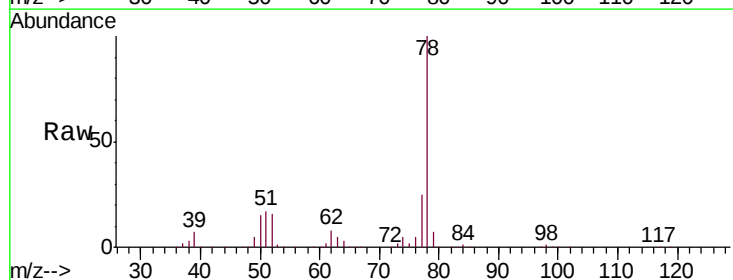
RT: 5.81 min Scan# 1391

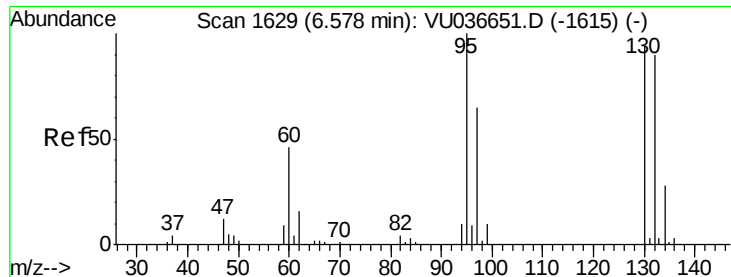
Delta R.T. -0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Tgt Ion: 78 Resp: 862239

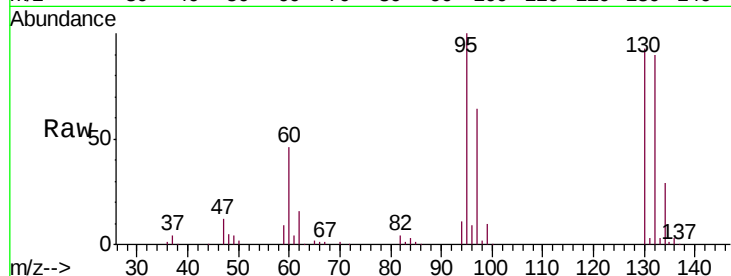




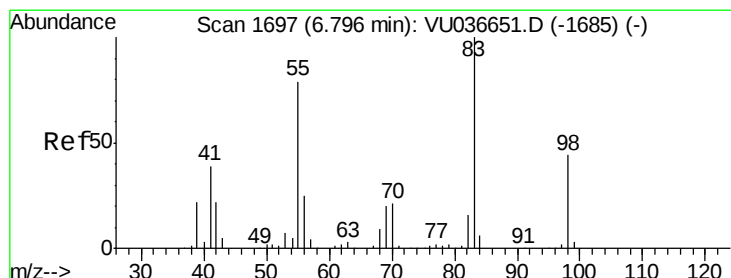
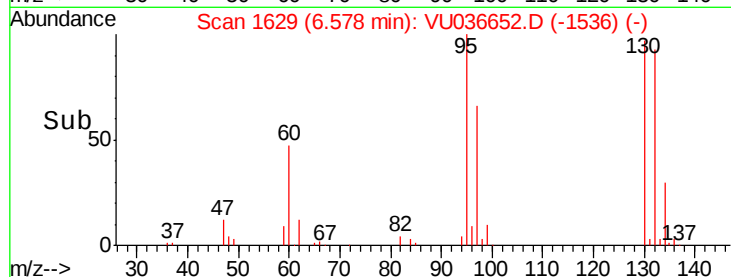
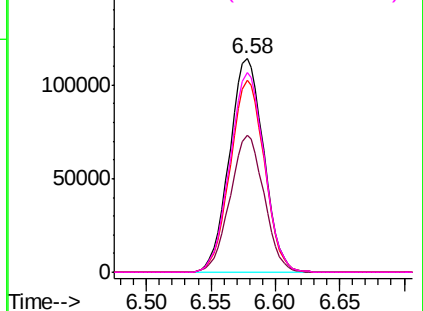
#34
 Trichloroethene
 Concen: 98.997 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Tgt Ion:	95	Resp:	210997
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.4	84.4
132	90.1	63.2	117.4
130	93.4	65.9	122.3

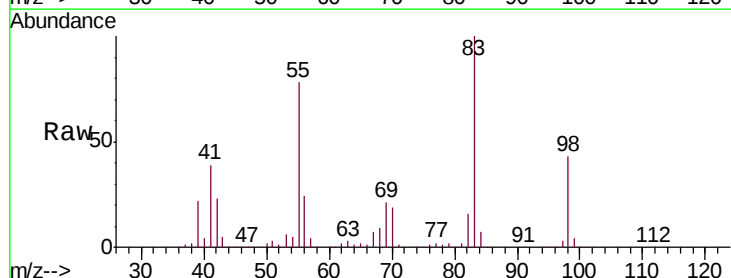


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

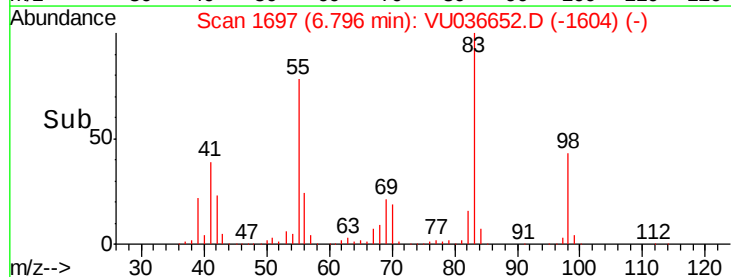
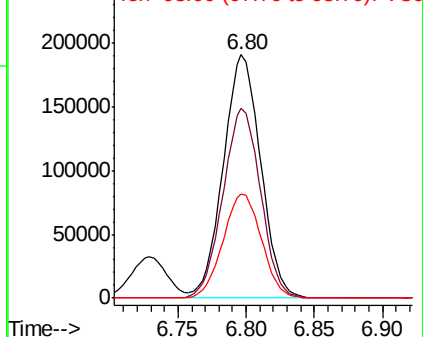


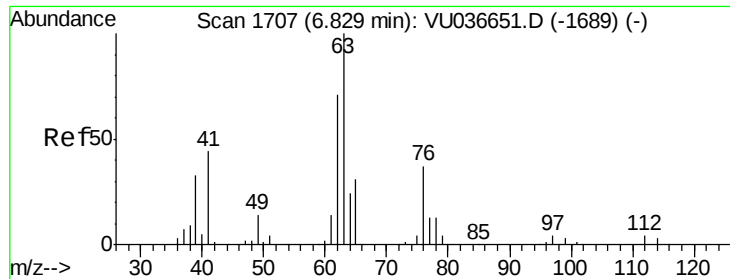
#35
 Methylcyclohexane
 Concen: 101.556 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

Tgt Ion:	83	Resp:	364174
Ion	Ratio	Lower	Upper
83	100		
55	78.1	63.1	94.7
98	44.1	35.0	52.6



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

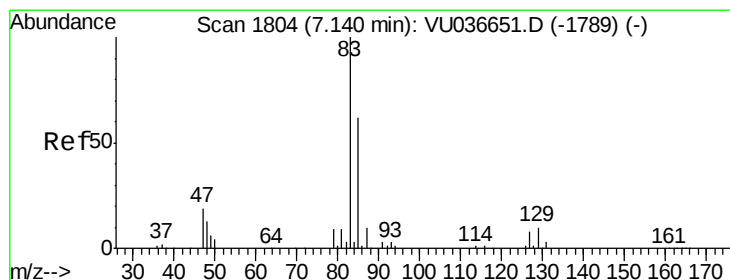
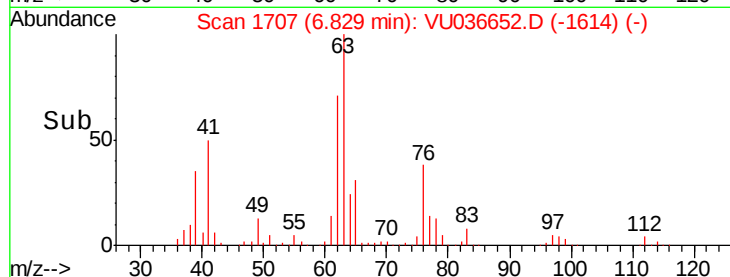
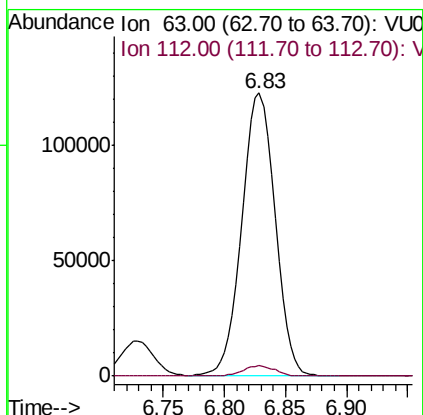
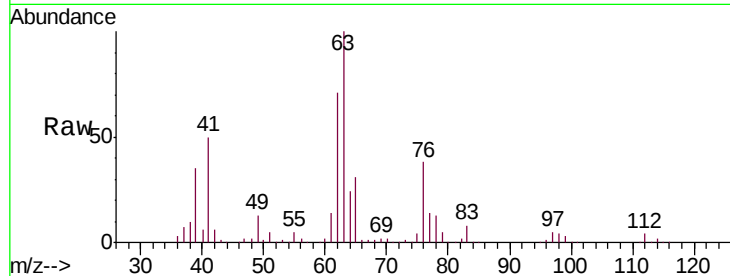




#37
 1,2-Dichloropropane
 Concen: 108.077 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

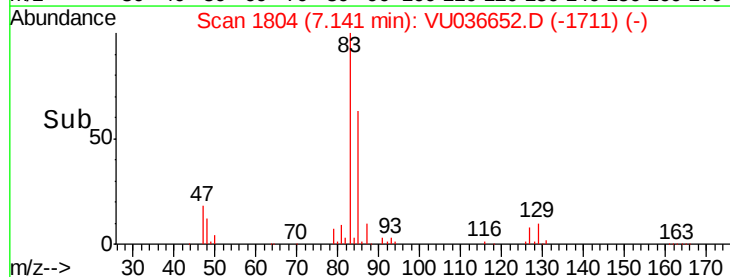
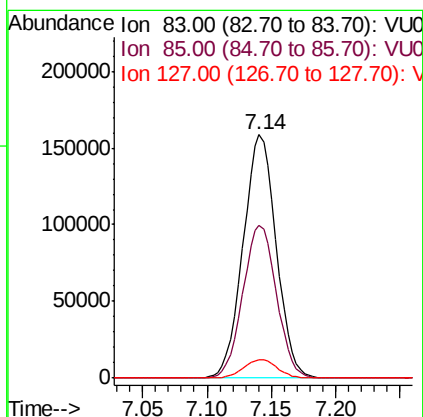
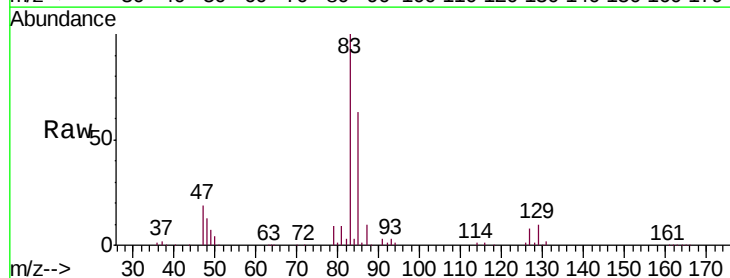
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD10033

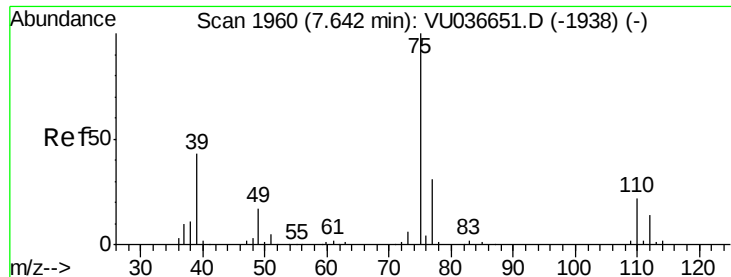
Tgt Ion: 63 Resp: 231933
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 106.301 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

Tgt Ion: 83 Resp: 283781
 Ion Ratio Lower Upper
 83 100
 85 62.9 43.2 80.2
 127 7.7 6.4 9.6

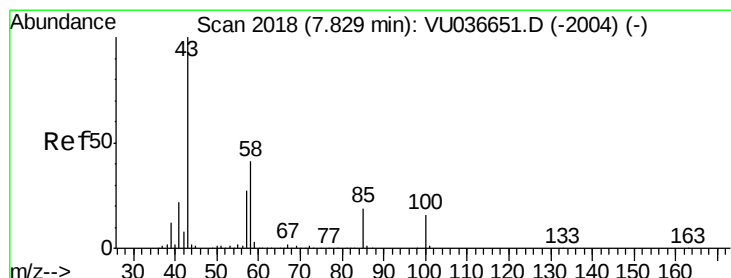
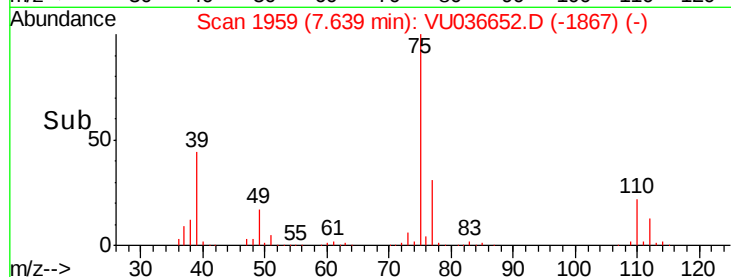
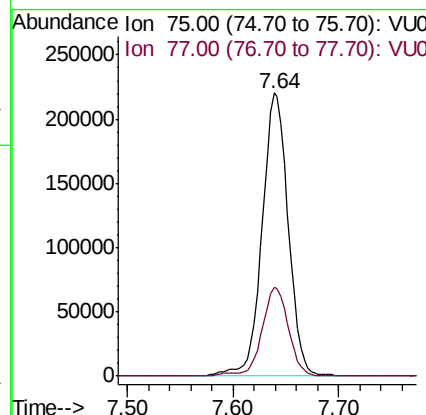
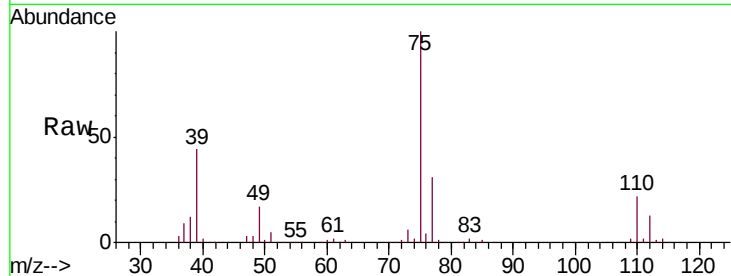




#39
 cis-1,3-Dichloropropene
 Concen: 110.870 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

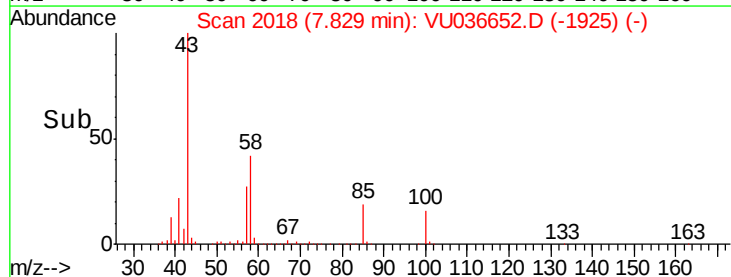
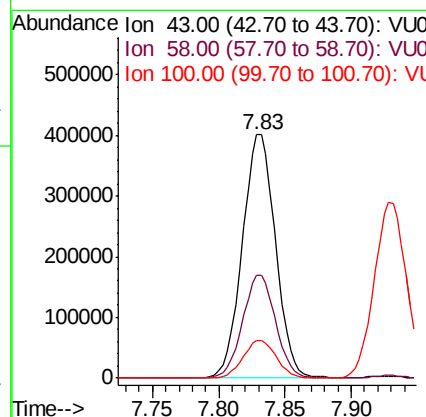
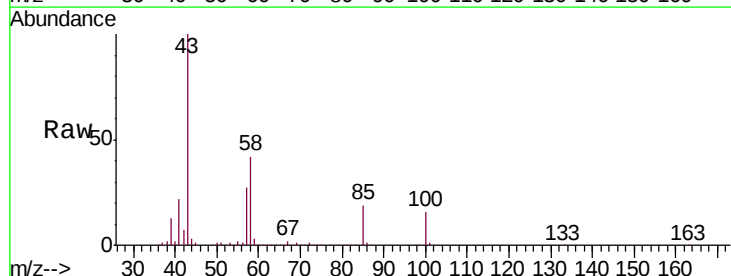
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

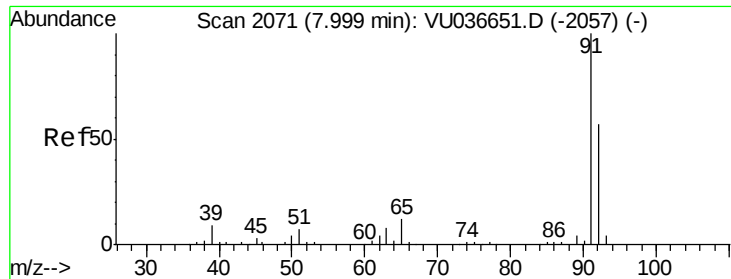
Tgt Ion: 75 Resp: 381477
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 244.909 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

Tgt Ion: 43 Resp: 698051
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.3 49.9
 100 15.6 12.4 18.6





#42

Toluene

Concen: 102.589 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

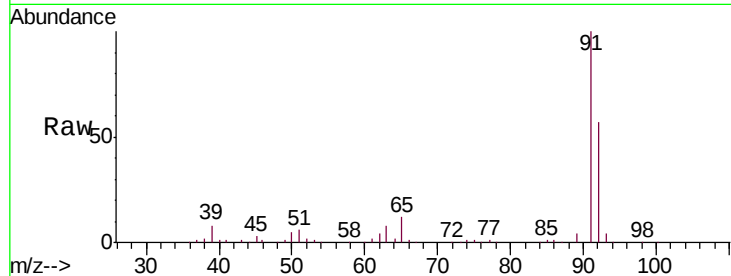
VSTD10033

Tgt Ion: 91 Resp: 927585

Ion Ratio Lower Upper

91 100

92 56.9 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU036651.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036651.D (-2057) (-)

8.00

600000

500000

400000

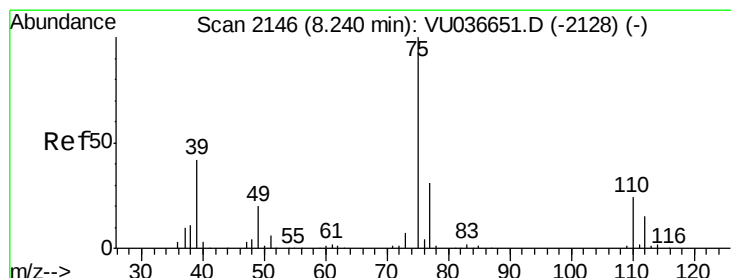
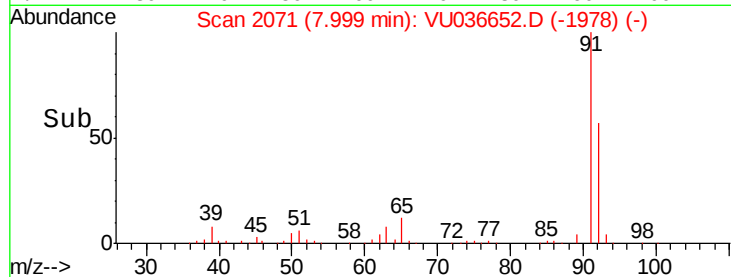
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 110.211 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036652.D

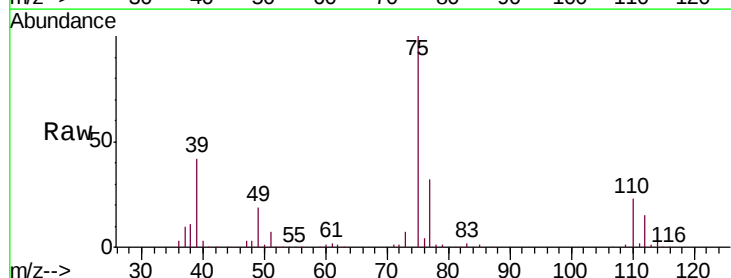
Acq: 31 Jan 2020 19:15

Tgt Ion: 75 Resp: 332572

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU036651.D (-2128) (-)

Ion 77.00 (76.70 to 77.70): VU036651.D (-2128) (-)

8.24

200000

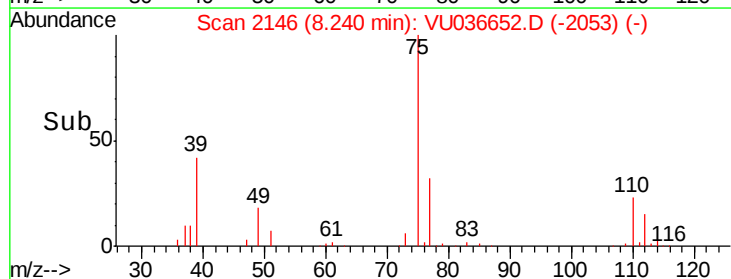
150000

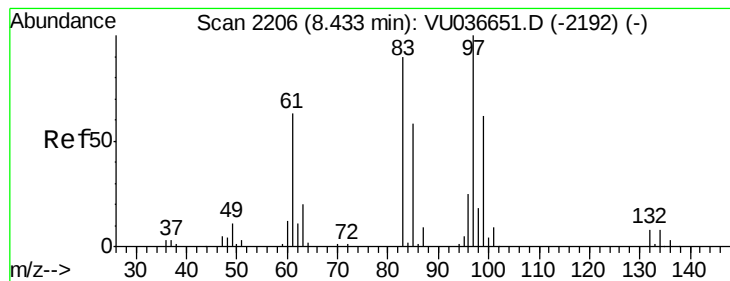
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 100.171 ug/L

RT: 8.43 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

Tgt Ion: 97 Resp: 210514

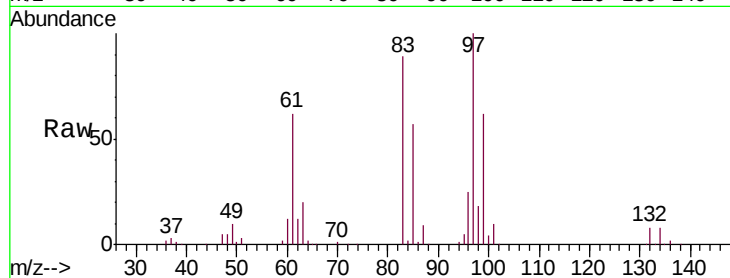
Ion Ratio Lower Upper

97 100

99 62.5 43.4 80.6

83 89.3 63.0 117.0

85 57.0 40.3 74.9

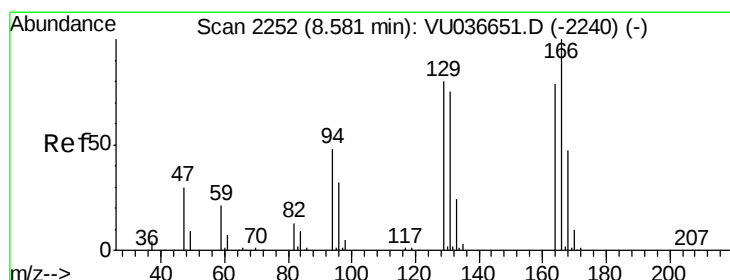
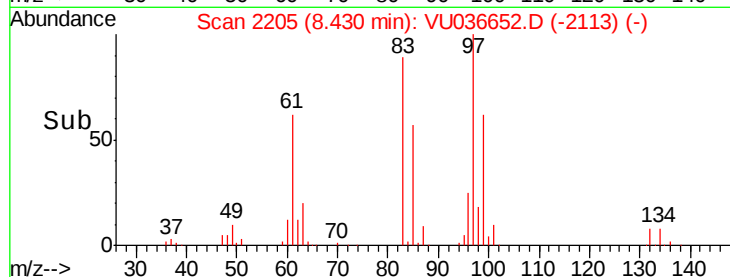
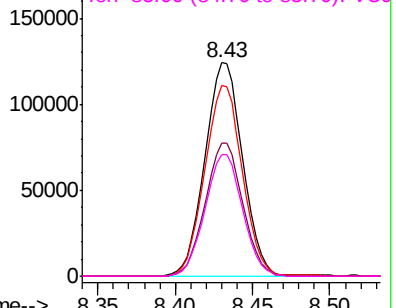


Abundance Ion 97.00 (96.70 to 97.70): VU036651.D (-2192) (-)

Ion 99.00 (98.70 to 99.70): VU036651.D (-2192) (-)

Ion 83.00 (82.70 to 83.70): VU036651.D (-2192) (-)

Ion 85.00 (84.70 to 85.70): VU036651.D (-2192) (-)



#46

Tetrachloroethene

Concen: 87.030 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Tgt Ion: 164 Resp: 146422

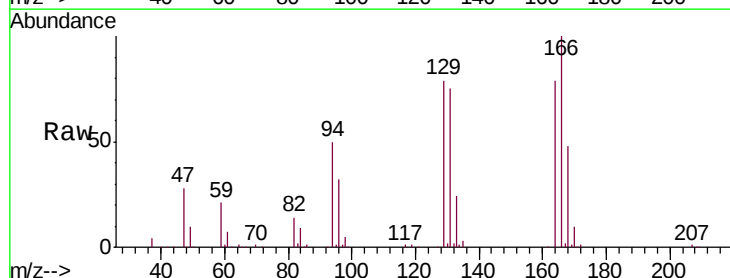
Ion Ratio Lower Upper

164 100

129 100.7 71.1 132.1

131 95.7 66.9 124.3

166 127.4 89.0 165.4

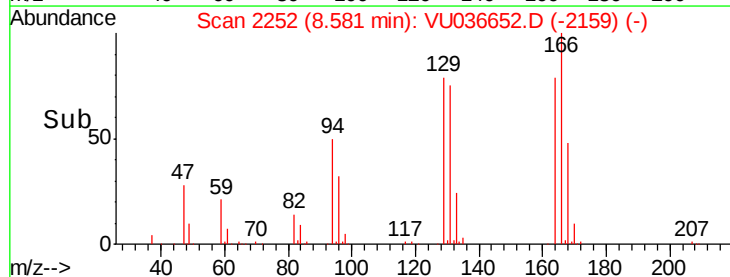
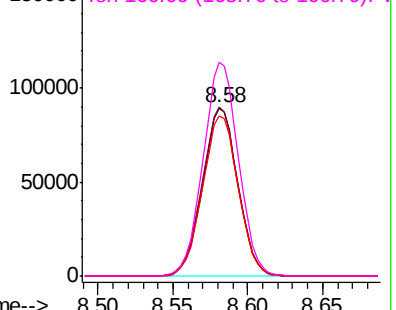


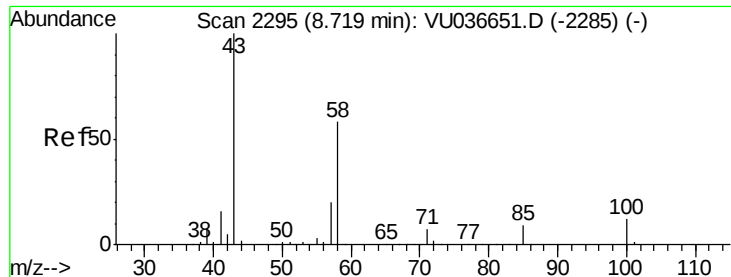
Abundance Ion 164.00 (163.70 to 164.70): VU036651.D (-2240) (-)

Ion 129.00 (128.70 to 129.70): VU036651.D (-2240) (-)

Ion 131.00 (130.70 to 131.70): VU036651.D (-2240) (-)

Ion 166.00 (165.70 to 166.70): VU036651.D (-2240) (-)

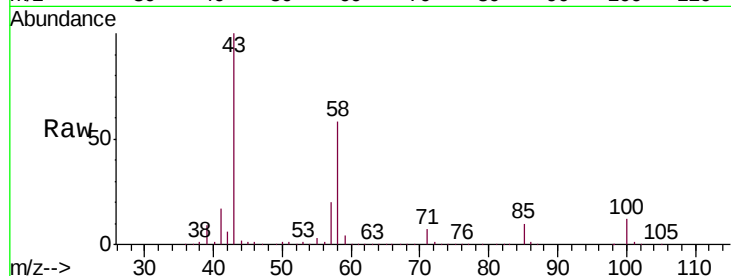




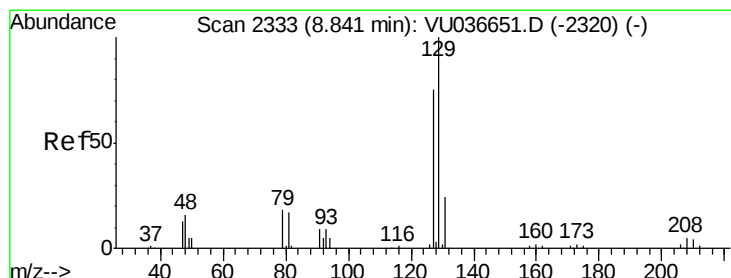
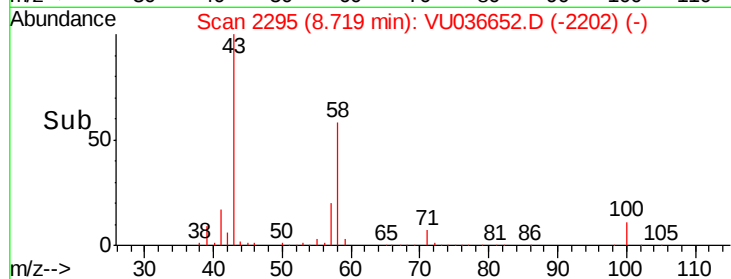
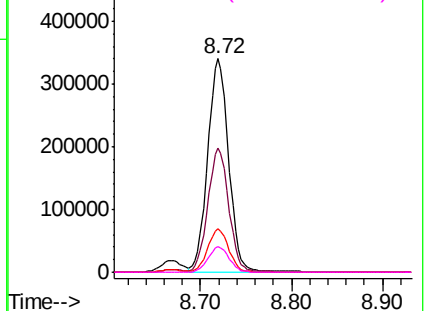
#48
2-Hexanone
Concen: 255.114 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036652.D
Acq: 31 Jan 2020 19:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Tgt Ion: 43 Resp: 546367
Ion Ratio Lower Upper
43 100
58 58.4 46.2 69.2
57 20.2 16.3 24.5
100 11.9 9.8 14.6

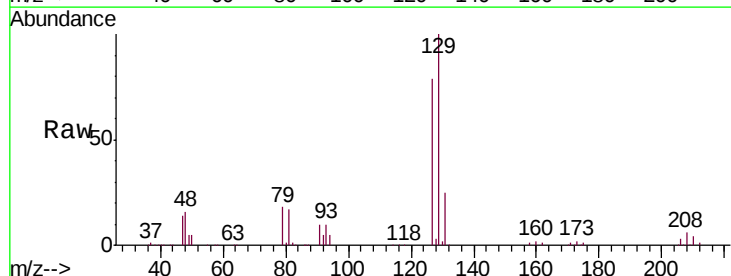


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

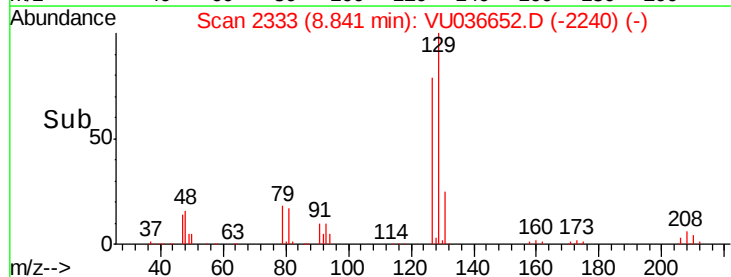
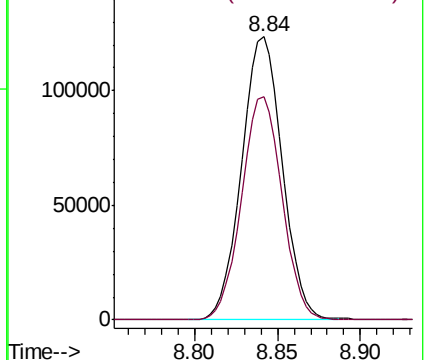


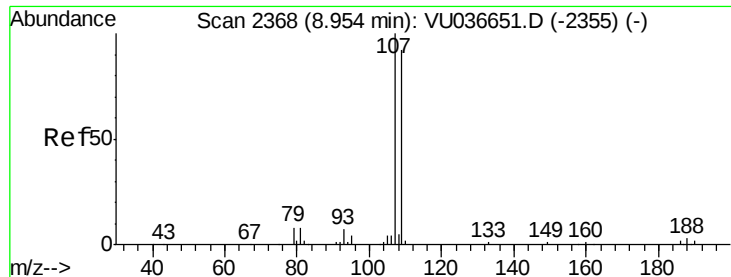
#49
Dibromochloromethane
Concen: 96.221 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036652.D
Acq: 31 Jan 2020 19:15

Tgt Ion: 129 Resp: 211020
Ion Ratio Lower Upper
129 100
127 78.7 52.4 97.2



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

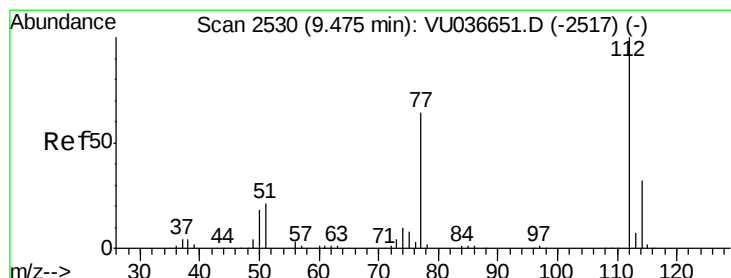
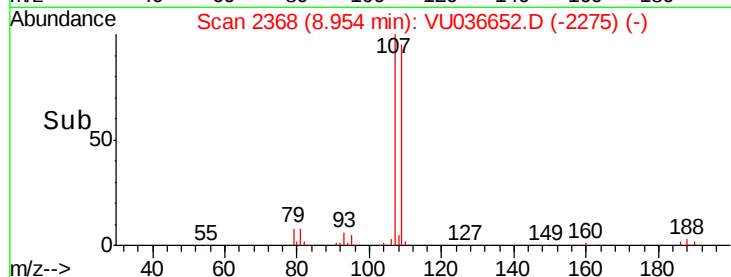
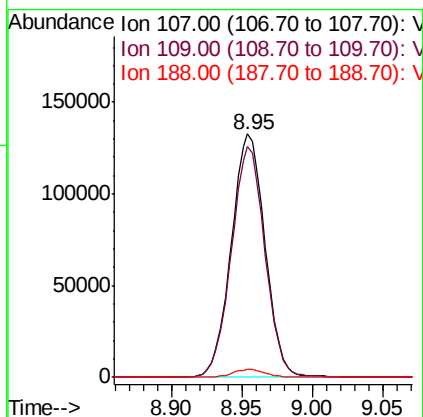
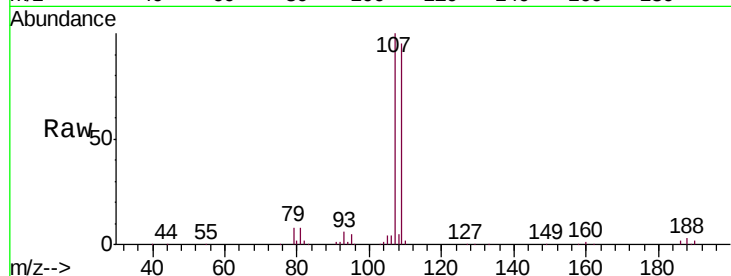




#50
 1,2-Dibromoethane
 Concen: 98.796 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

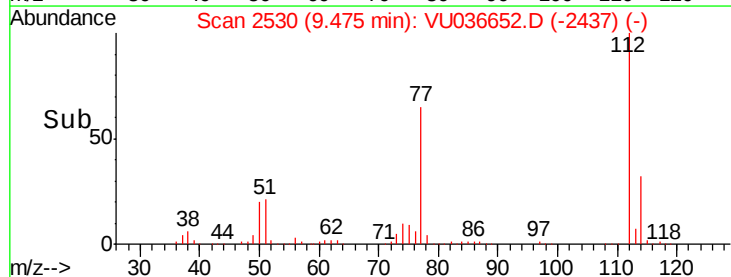
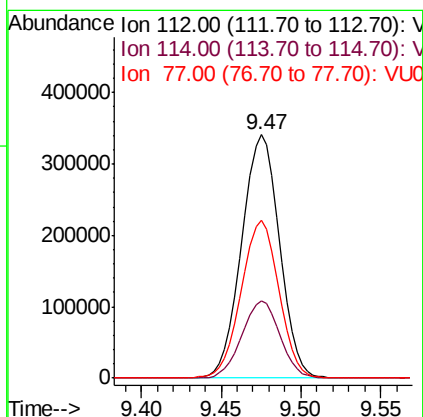
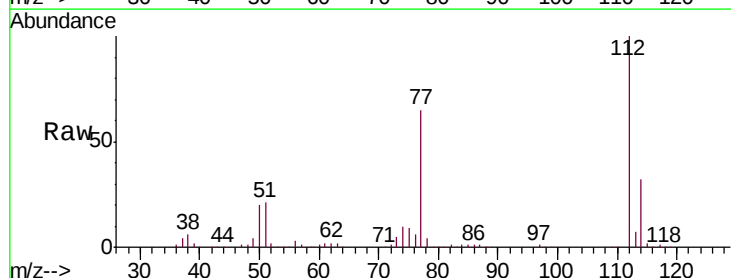
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

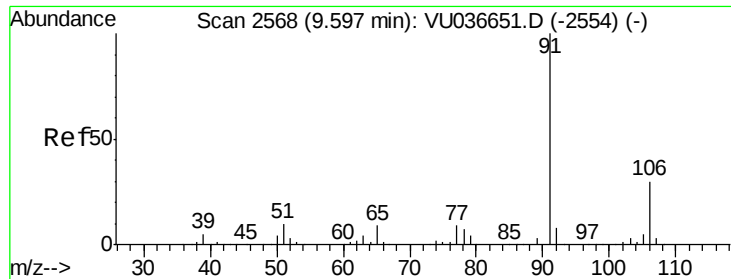
Tgt Ion:107 Resp: 222192
 Ion Ratio Lower Upper
 107 100
 109 94.7 64.5 119.7
 188 3.1 2.5 3.7



#51
 Chlorobenzene
 Concen: 95.082 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

Tgt Ion:112 Resp: 550269
 Ion Ratio Lower Upper
 112 100
 114 31.8 22.5 41.9
 77 64.6 51.4 77.2





#52

Ethylbenzene

Concen: 102.974 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

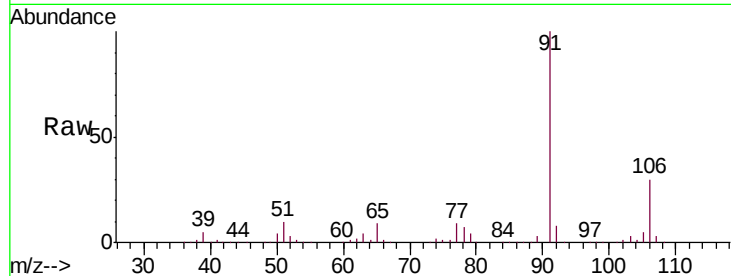
VSTD10033

Tgt Ion: 91 Resp: 1022285

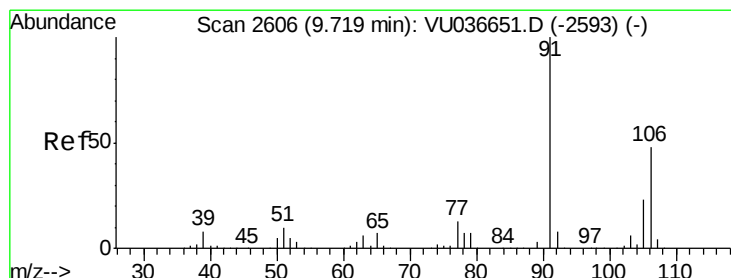
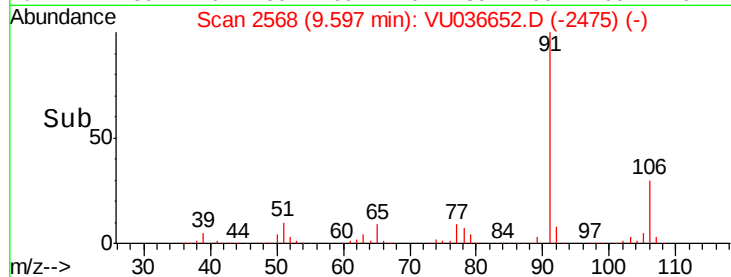
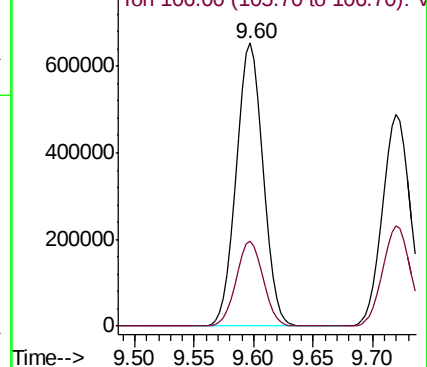
Ion Ratio Lower Upper

91 100

106 30.0 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU036652.D (-2475) (-)



#53

m,p-Xylene

Concen: 98.354 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036652.D

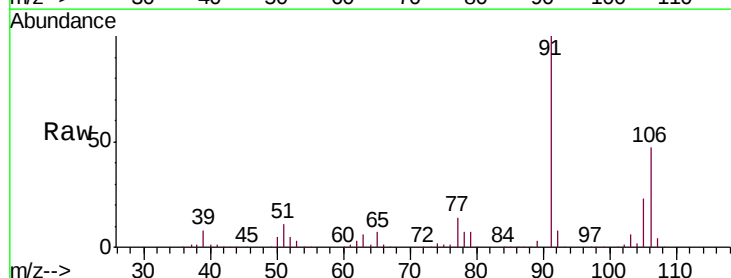
Acq: 31 Jan 2020 19:15

Tgt Ion: 106 Resp: 376484

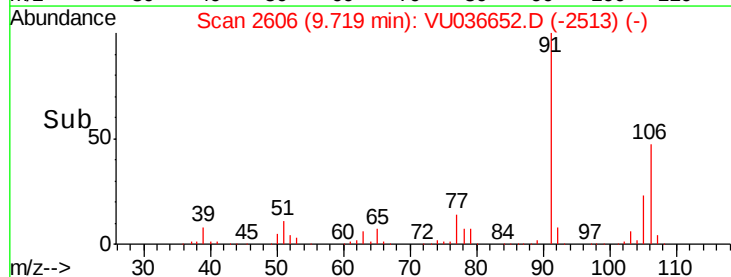
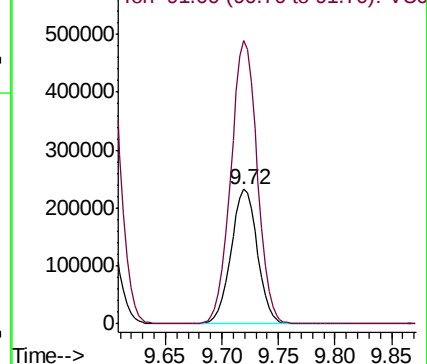
Ion Ratio Lower Upper

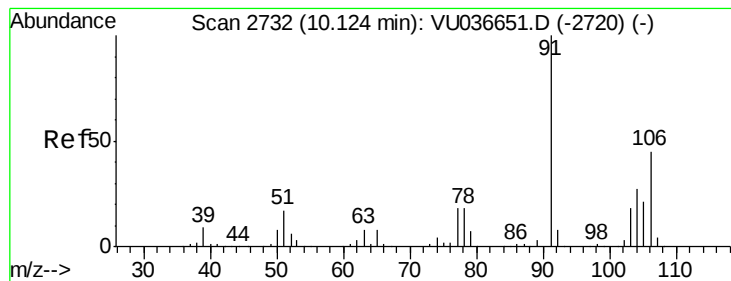
106 100

91 210.5 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): VU036652.D (-2513) (-)





#54

o-xylene

Concen: 98.983 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

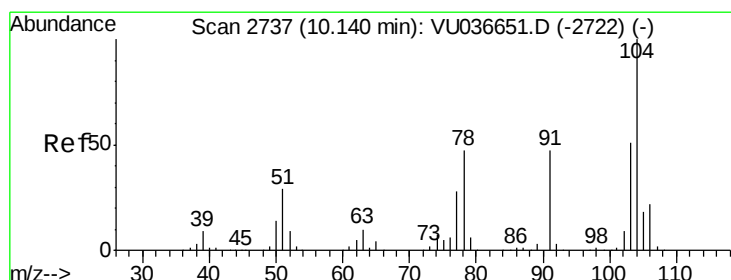
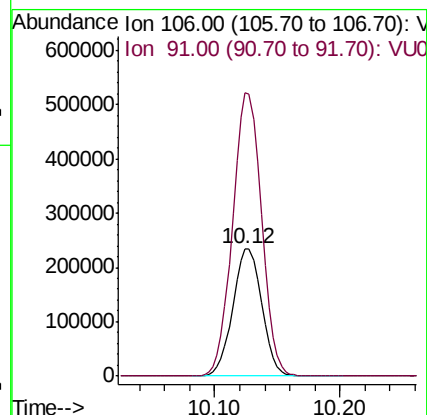
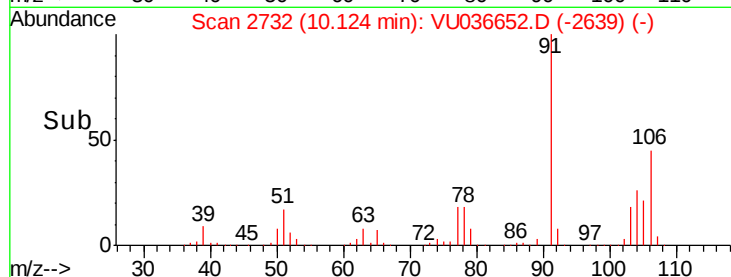
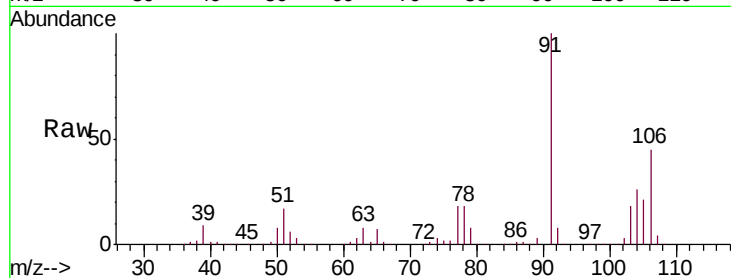
VSTD10033

Tgt Ion:106 Resp: 377926

Ion Ratio Lower Upper

106 100

91 221.5 154.9 287.7



#55

Styrene

Concen: 105.077 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036652.D

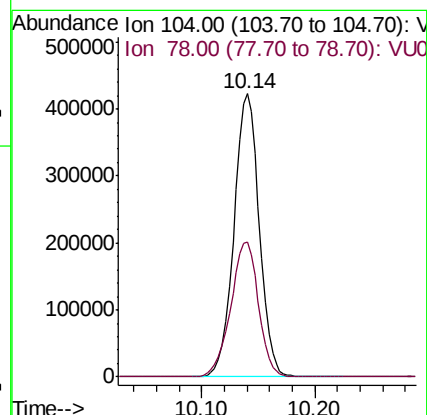
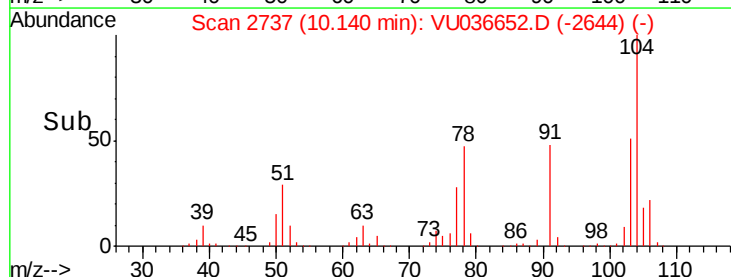
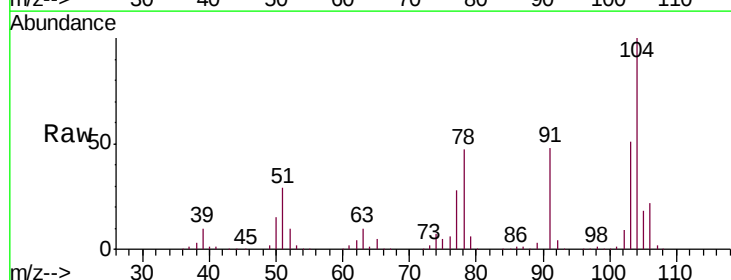
Acq: 31 Jan 2020 19:15

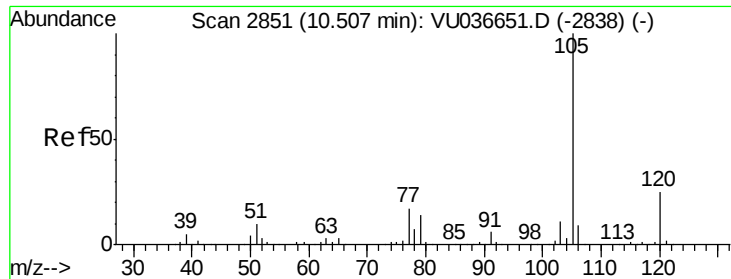
Tgt Ion:104 Resp: 655417

Ion Ratio Lower Upper

104 100

78 47.5 33.1 61.5





#56

Isopropylbenzene

Concen: 101.008 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

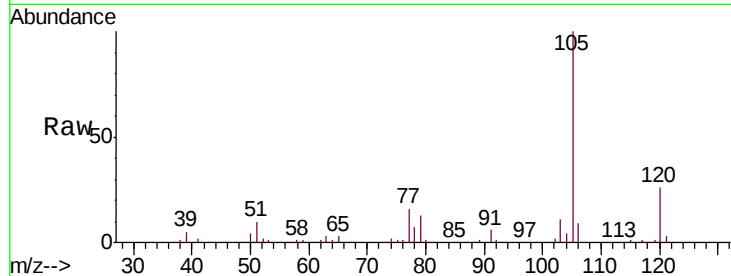
Tgt Ion:105 Resp: 983944

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.4

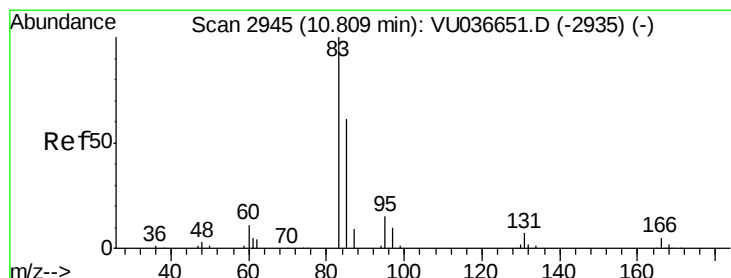
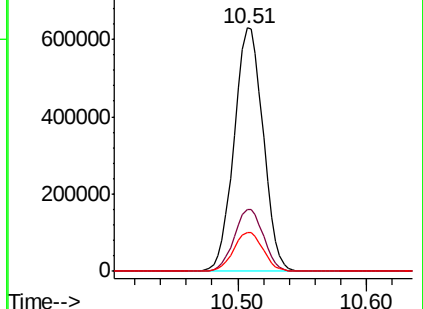
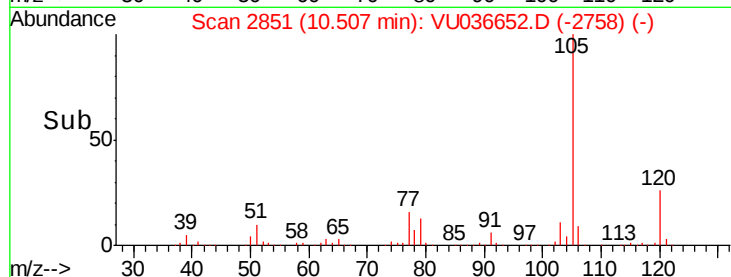
77 16.3 13.0 19.6



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



#58

1,1,2,2-Tetrachloroethane

Concen: 104.760 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

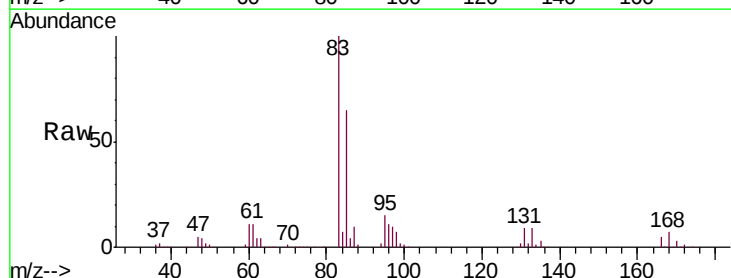
Tgt Ion: 83 Resp: 382605

Ion Ratio Lower Upper

83 100

85 64.7 44.3 82.3

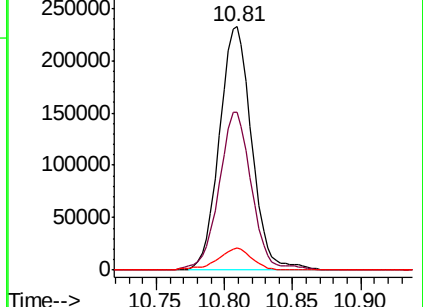
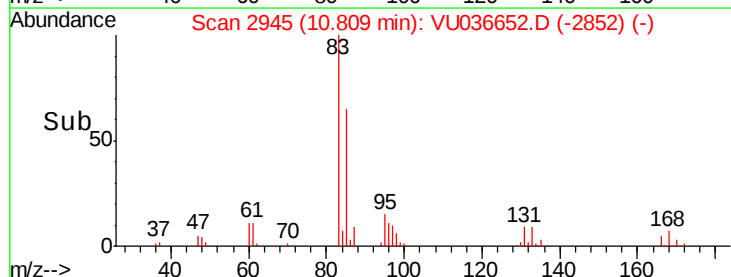
131 9.0 6.8 10.2

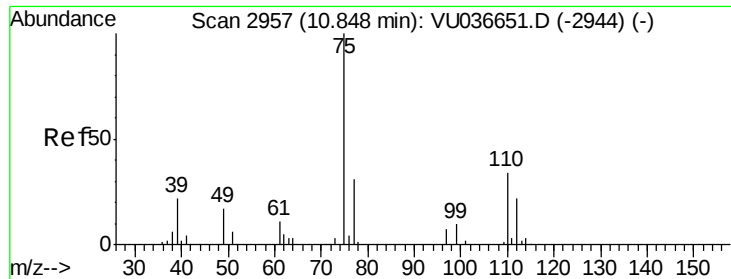


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 105.010 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

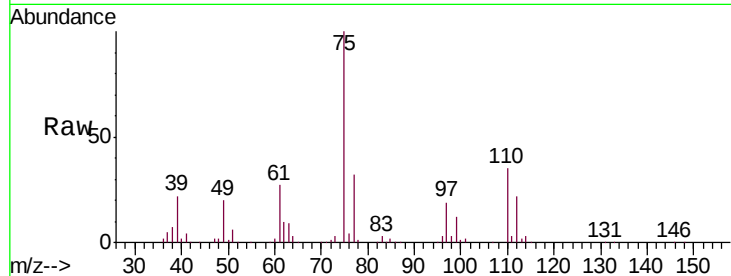
VSTD10033

Tgt Ion: 75 Resp: 302461

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU036651.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036651.D (-2944) (-)

10.85

200000

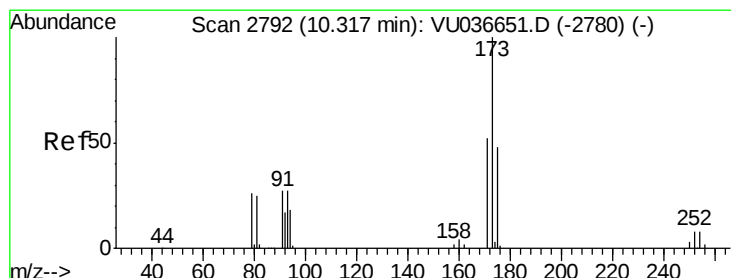
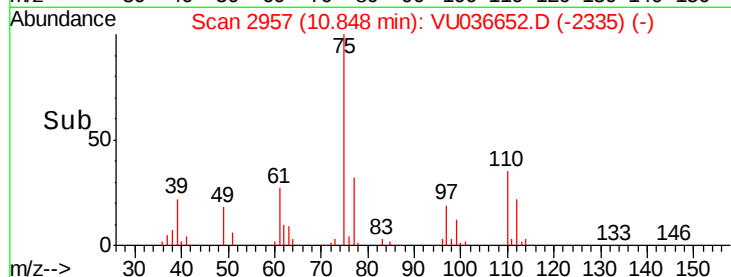
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 94.622 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

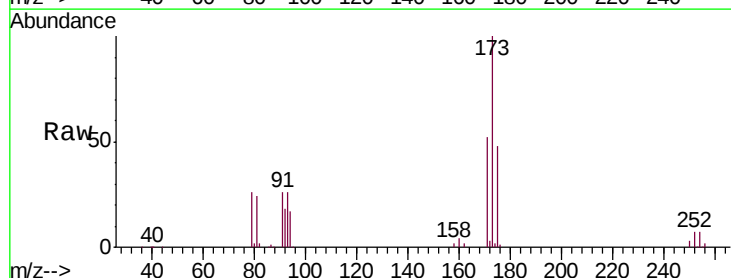
Tgt Ion: 173 Resp: 157638

Ion Ratio Lower Upper

173 100

175 48.5 38.6 58.0

254 7.1 6.0 9.0



Abundance Ion 173.00 (172.70 to 173.70): VU036651.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU036651.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU036651.D (-2780) (-)

10.32

120000

100000

80000

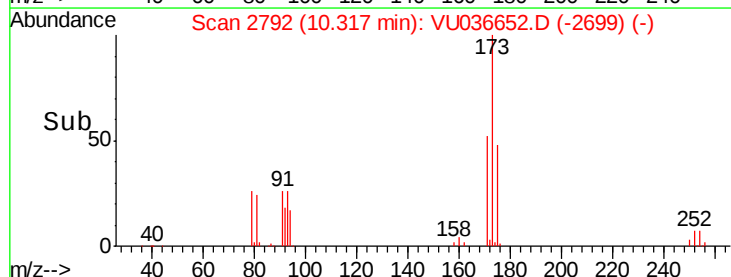
60000

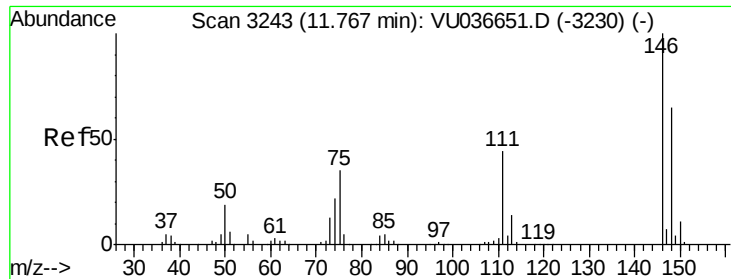
40000

20000

0

Time--> 10.25 10.30 10.35 10.40

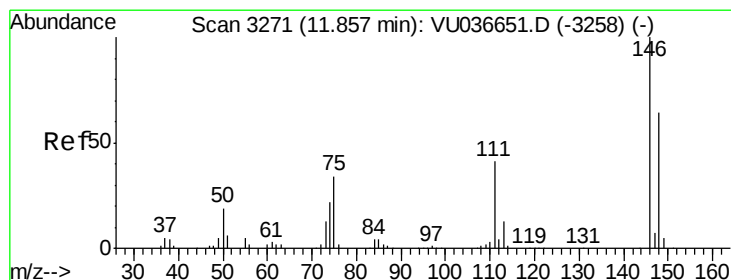
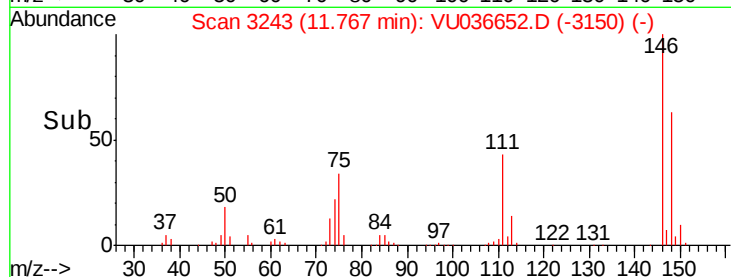
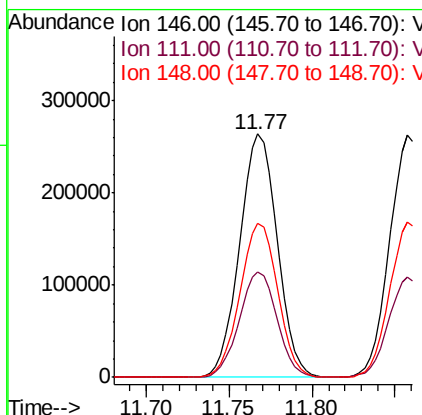
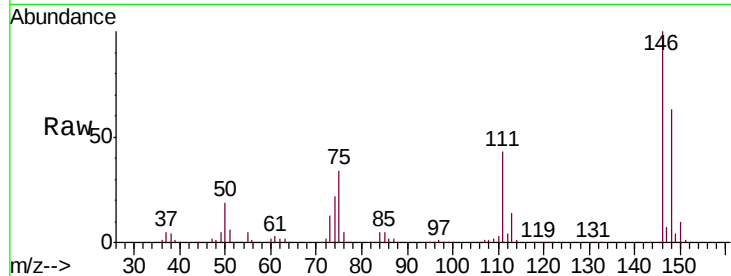




#62
 1,3-Dichlorobenzene
 Concen: 97.298 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

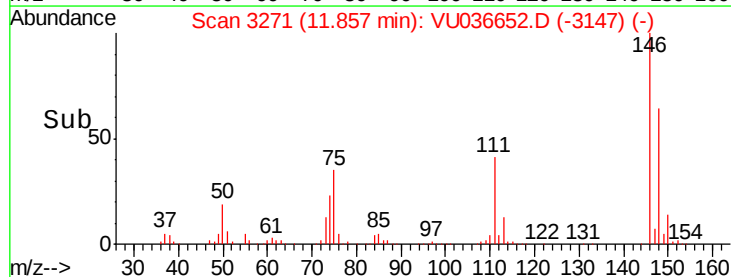
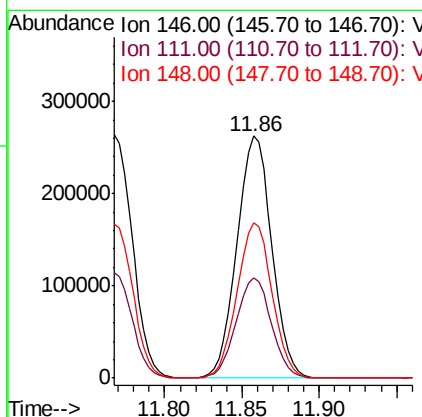
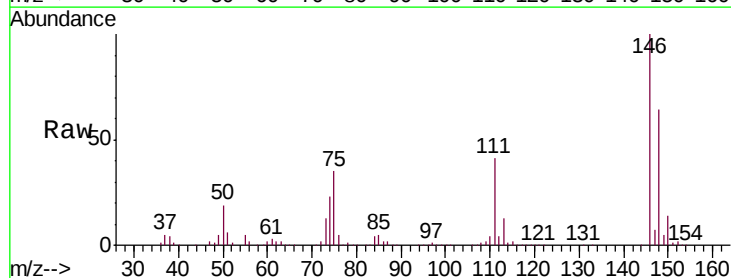
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

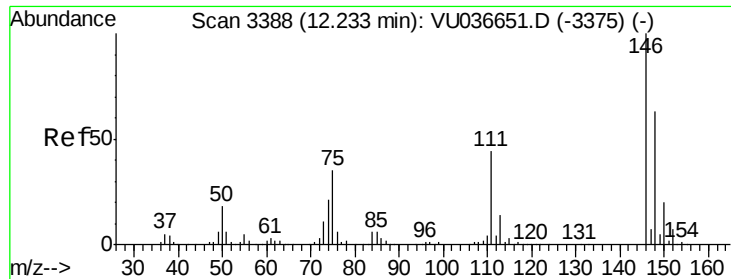
Tgt Ion:146 Resp: 417780
 Ion Ratio Lower Upper
 146 100
 111 43.5 30.6 56.8
 148 63.2 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 97.082 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

Tgt Ion:146 Resp: 410882
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.0 53.8
 148 64.2 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 95.197 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

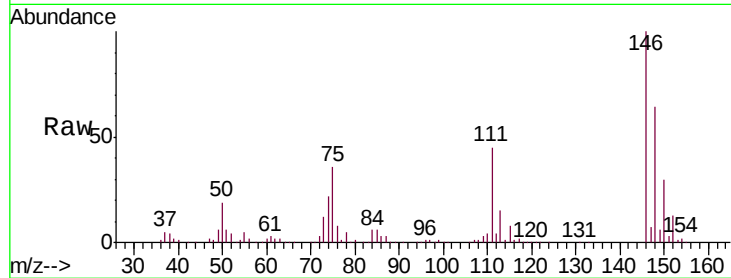
Tgt Ion: 146 Resp: 414135

Ion Ratio Lower Upper

146 100

111 44.8 35.6 53.4

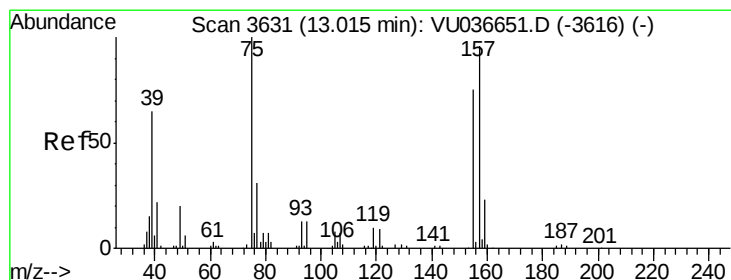
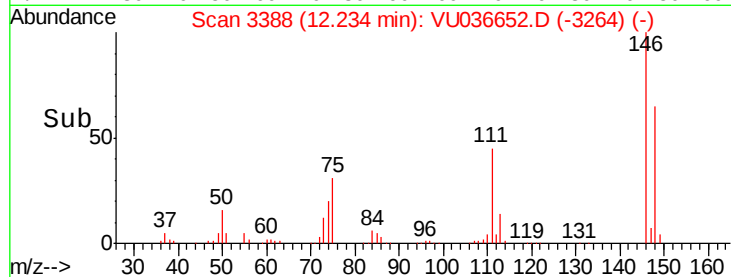
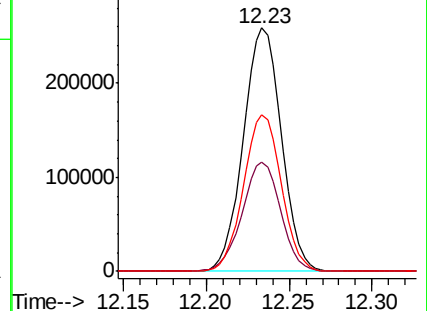
148 64.5 50.6 76.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 119.334 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

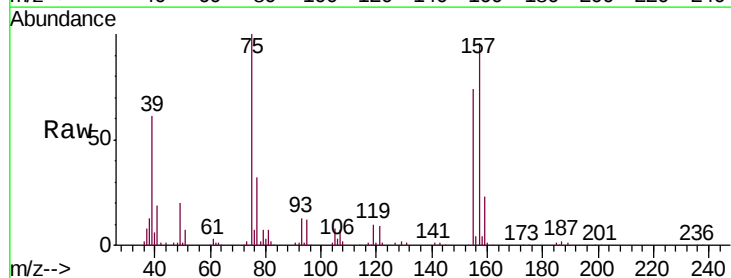
Tgt Ion: 75 Resp: 86450

Ion Ratio Lower Upper

75 100

155 73.5 60.2 90.4

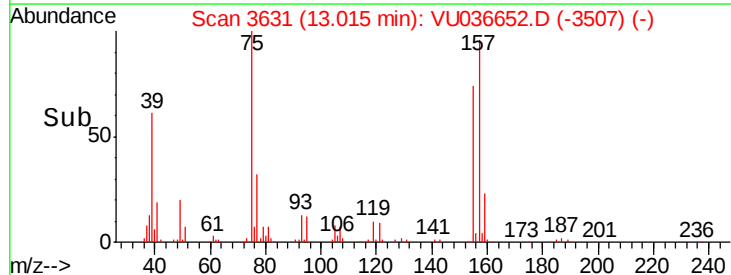
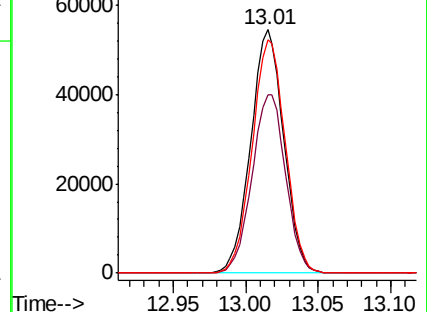
157 95.9 76.7 115.1

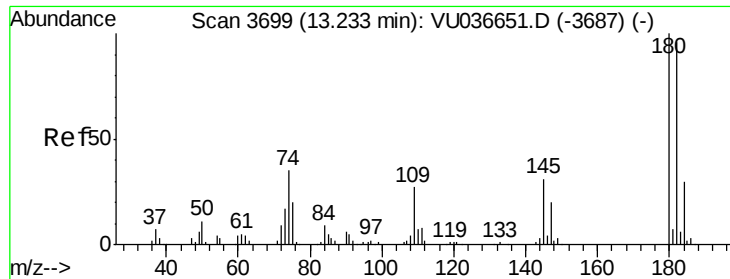


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

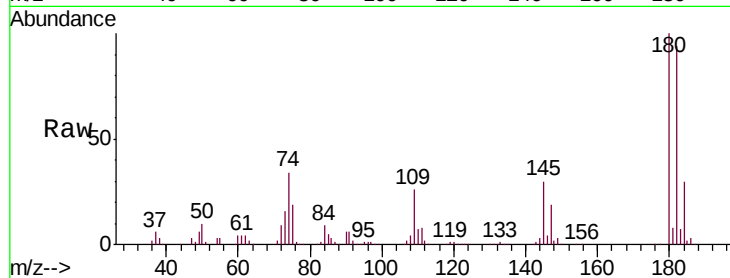




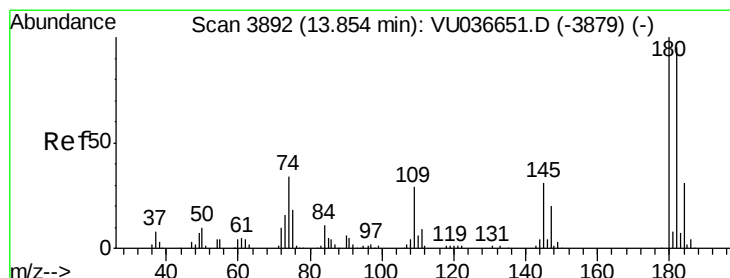
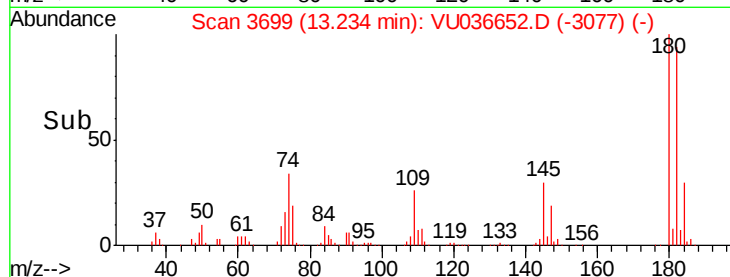
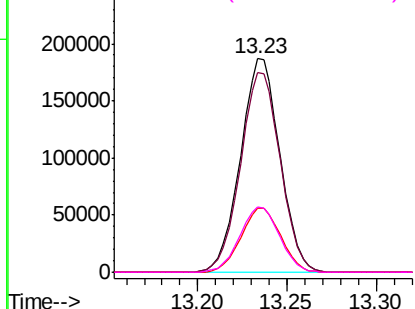
#67
 1,3,5-Trichlorobenzene
 Concen: 98.653 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Tgt Ion:180 Resp: 288937
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.2 114.4
 184 30.1 24.0 36.0
 145 30.7 24.7 37.1

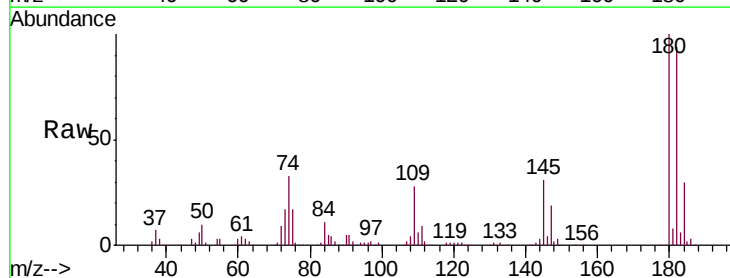


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

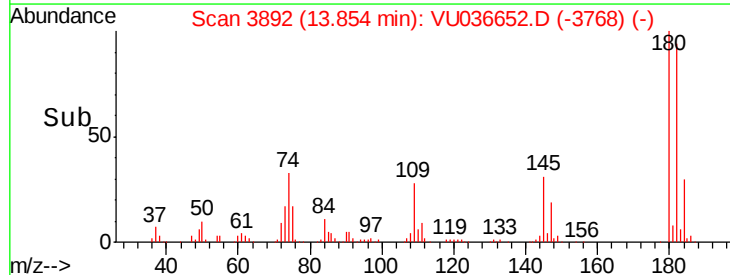
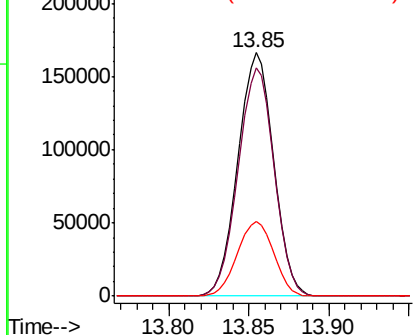


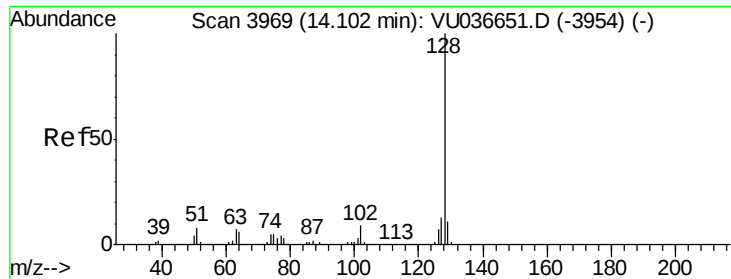
#68
 1,2,4-trichlorobenzene
 Concen: 118.442 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036652.D
 Acq: 31 Jan 2020 19:15

Tgt Ion:180 Resp: 252848
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.2 112.8
 145 31.3 25.6 38.4



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





#69

Naphthalene

Concen: 142.168 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

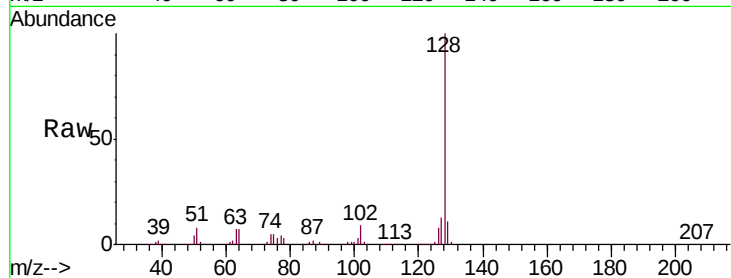
Tgt Ion:128 Resp: 943829

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

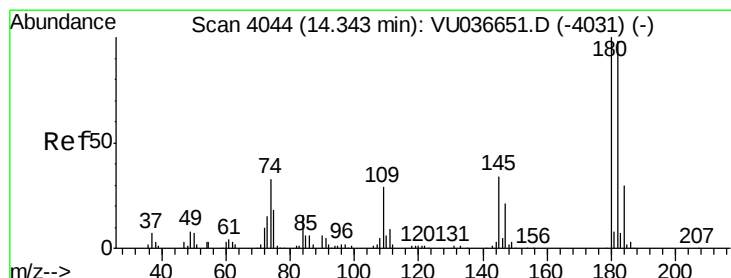
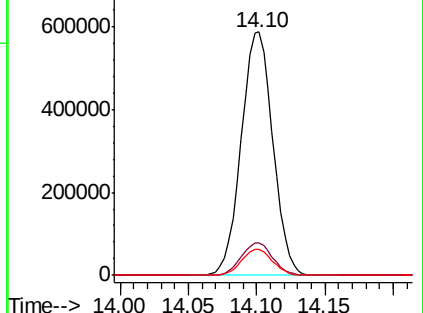
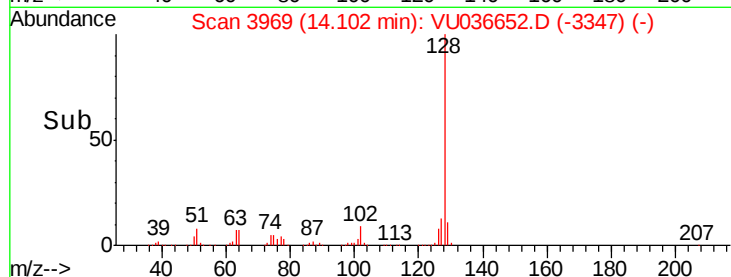
129 10.7 8.5 12.7



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



#70

1,2,3-Trichlorobenzene

Concen: 114.133 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036652.D

Acq: 31 Jan 2020 19:15

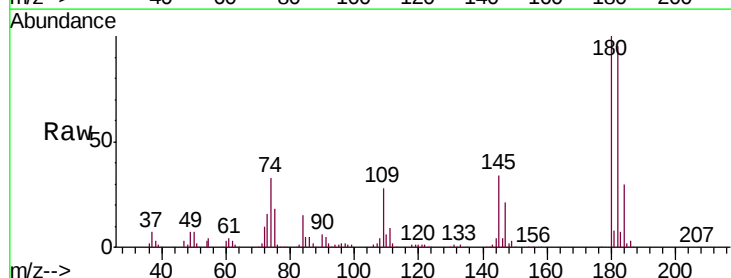
Tgt Ion:180 Resp: 251679

Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.0

145 33.2 26.5 39.7



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

