

Data File : VU036653.D
Acq On : 31 Jan 2020 19:40
Operator : JC/MD
Sample : VSTD20034
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

Quant Time: Jan 31 23:49:03 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	266336	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	266565	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	127970	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	504318	237.90	ug/L	0.00
7) Chloroethane-d5	1.90	69	390873	219.71	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.58	63	792606	234.10	ug/L	0.00
21) 2-Butanone-d5	4.68	46	628113	514.45	ug/L	0.00
24) Chloroform-d	5.11	84	744344	221.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	477458	226.83	ug/L	0.00
32) Benzene-d6	5.77	84	1560250	202.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	513158	211.63	ug/L	0.00
41) Toluene-d8	7.93	98	1463315	199.20	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	263515	228.33	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	624460	538.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	786412	223.08	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	534351	193.17	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	430303	206.234	ug/L	100
3) Chloromethane	1.53	50	521381	230.671	ug/L	99
5) Vinyl chloride	1.62	62	539924	225.016	ug/L	97
6) Bromomethane	1.84	94	220320	159.106	ug/L	97
8) Chloroethane	1.92	64	309507	216.584	ug/L	98
9) Trichlorofluoromethane	2.14	101	585495	210.371	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	339602	199.465	ug/L	99
12) 1,1-Dichloroethene	2.60	96	345566	205.015	ug/L	98
13) Acetone	2.66	43	474757	404.830	ug/L	100
14) Carbon disulfide	2.81	76	1061459	208.582	ug/L	100
15) Methyl Acetate	2.98	43	461591	244.103	ug/L	100
16) Methylene chloride	3.08	84	414899	203.260	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	365006	202.954	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	1286792	218.992	ug/L	99
19) 1,1-Dichloroethane	3.91	63	727501	221.503	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	424931	207.738	ug/L	99
22) 2-Butanone	4.75	43	705791	489.584	ug/L	98
23) Bromochloromethane	5.02	128	196880	189.439	ug/L	98
25) Chloroform	5.13	83	696743	209.397	ug/L	98
27) 1,2-Dichloroethane	5.84	62	560453	221.428	ug/L	100
29) Cyclohexane	5.43	56	687937	212.770	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	574776	199.543	ug/L	100
31) Carbon tetrachloride	5.56	117	471672	193.054	ug/L	99
33) Benzene	5.81	78	1623165	197.942	ug/L	100
34) Trichloroethene	6.58	95	401434	192.066	ug/L	99
35) Methylcyclohexane	6.80	83	691270	196.578	ug/L	99
37) 1,2-Dichloropropane	6.83	63	439991	209.076	ug/L	100
38) Bromodichloromethane	7.14	83	546606	208.794	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	735878	218.092	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	1416381	506.742	ug/L	99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1768986	199.508	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	655254	221.432	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	406258	197.131	ug/L	99
46) Tetrachloroethene	8.58	164	282381	171.154	ug/L	98
48) 2-Hexanone	8.72	43	1111017	529.005	ug/L	100
49) Dibromochloromethane	8.84	129	422785	196.586	ug/L	96
50) 1,2-Dibromoethane	8.95	107	438736	198.931	ug/L	99
51) Chlorobenzene	9.47	112	1098688	193.592	ug/L	100
52) Ethylbenzene	9.60	91	2016648	207.145	ug/L	100
53) m,p-Xylene	9.72	106	746900	198.974	ug/L	100
54) o-xylene	10.13	106	753830	201.333	ug/L	100
55) Styrene	10.14	104	1336714	218.533	ug/L	99
56) Isopropylbenzene	10.51	105	1966301	205.838	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	773545	215.983	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	611688	216.562	ug/L	99
61) Bromoform	10.32	173	330717	194.685	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	858453	196.072	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	847736	196.439	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	842222	189.868	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	176657	239.152	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	592344	198.348	ug/L	100
68) 1,2,4-trichlorobenzene	13.85	180	529152	243.092	ug/L	99
69) Naphthalene	14.10	128	1967964	290.718	ug/L	100
70) 1,2,3-Trichlorobenzene	14.34	180	520705	231.581	ug/L	99

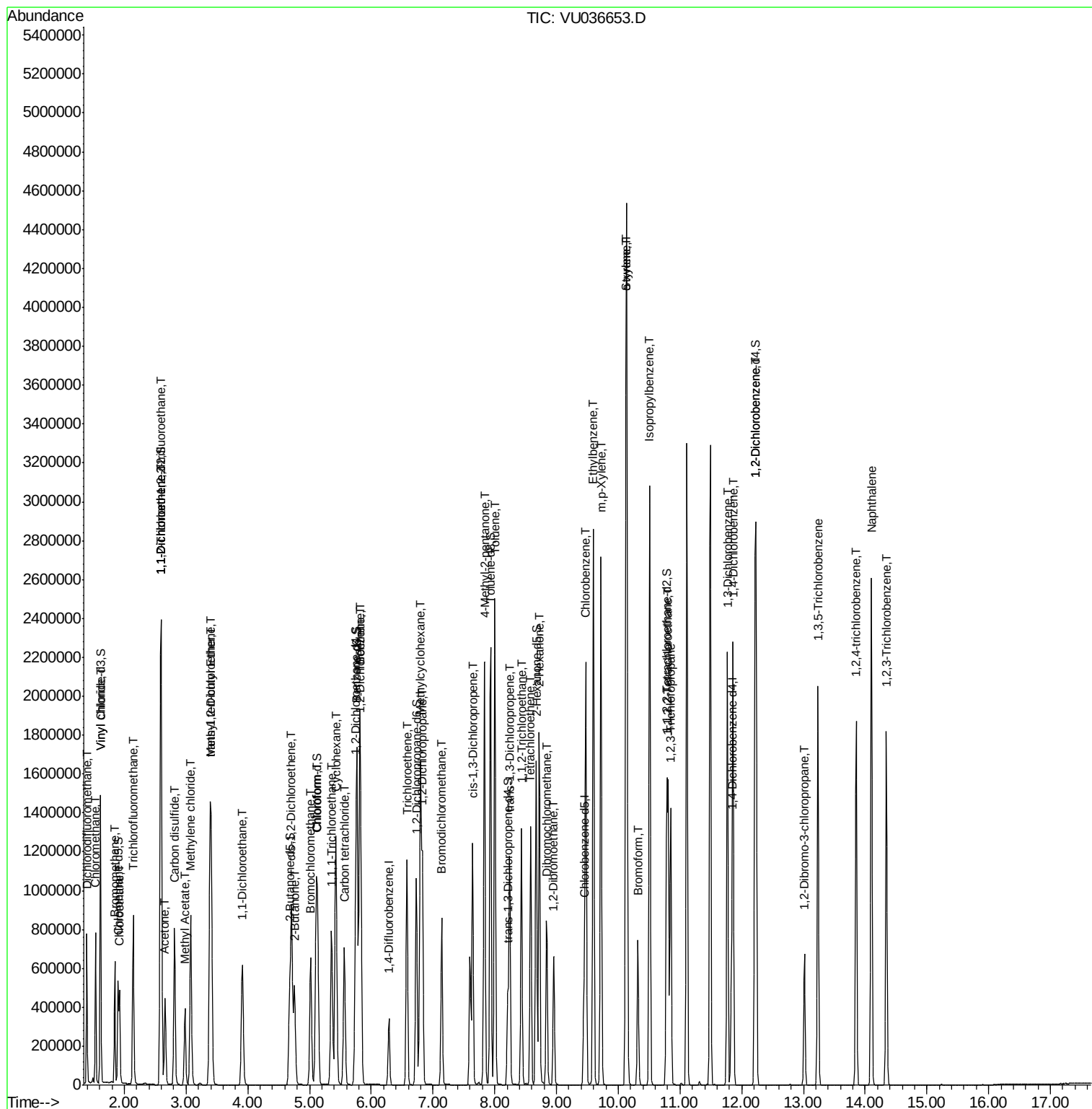
(#) = qualifier out of range (m) = manual integration (+) = signals summed

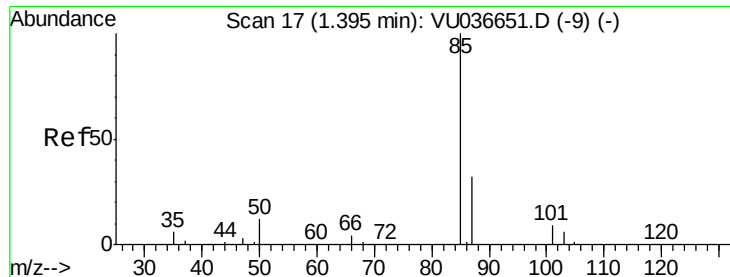
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#2

Dichlorodifluoromethane

Concen: 206.234 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

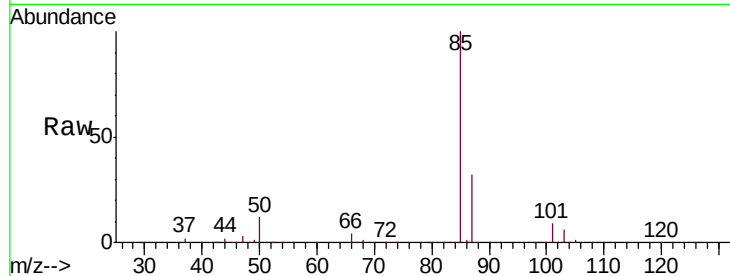
VSTD20034

Tgt Ion: 85 Resp: 430303

Ion Ratio Lower Upper

85 100

87 32.0 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU036653.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036653.D (-1) (-)

1.39

400000

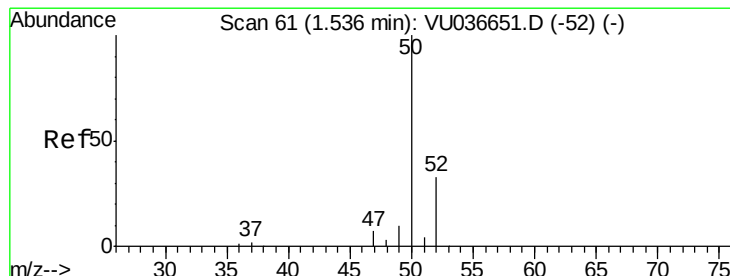
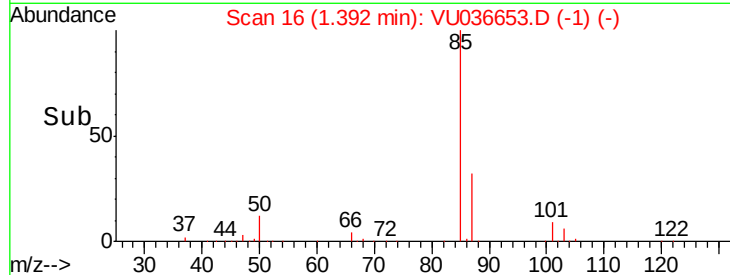
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 230.671 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036653.D

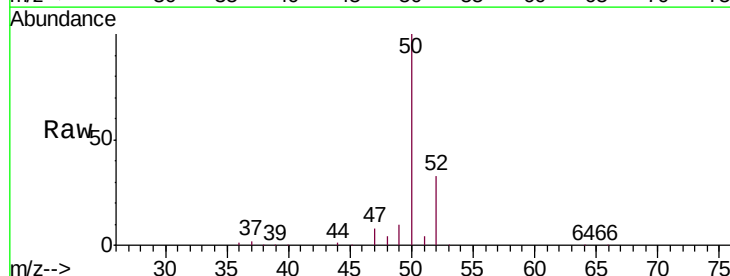
Acq: 31 Jan 2020 19:40

Tgt Ion: 50 Resp: 521381

Ion Ratio Lower Upper

50 100

52 33.1 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036653.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036653.D (-1) (-)

1.53

500000

400000

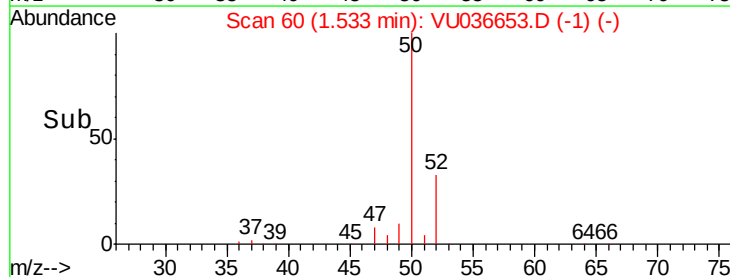
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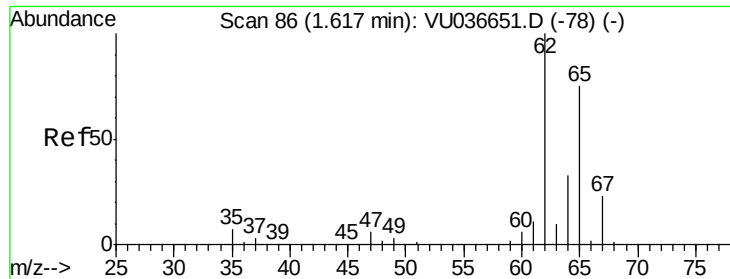
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 225.016 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

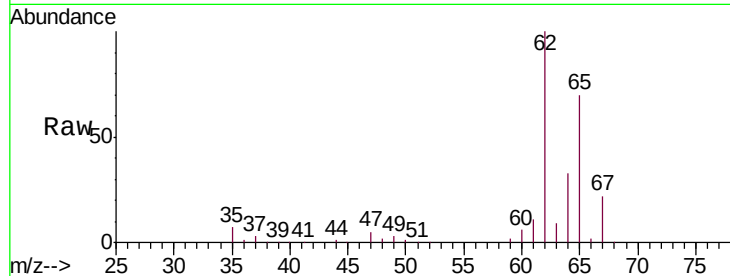
VSTD20034

Tgt Ion: 62 Resp: 539924

Ion Ratio Lower Upper

62 100

64 33.3 24.7 45.9



Abundance Ion 62.00 (61.70 to 62.70): VU036653.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036653.D (-78) (-)

1.62

500000

400000

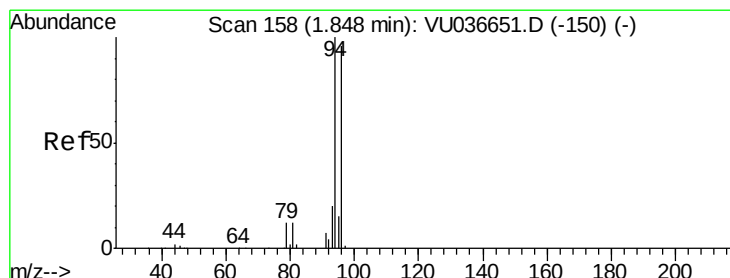
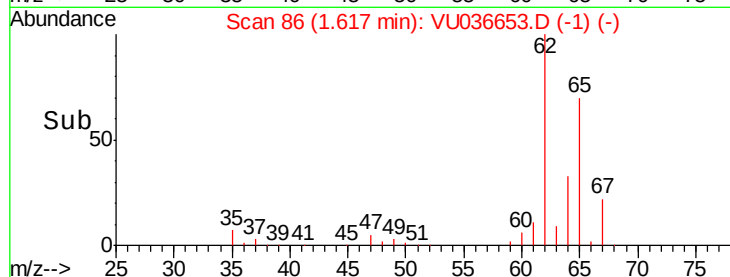
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 159.106 ug/L

RT: 1.84 min Scan# 157

Delta R.T. -0.00 min

Lab File: VU036653.D

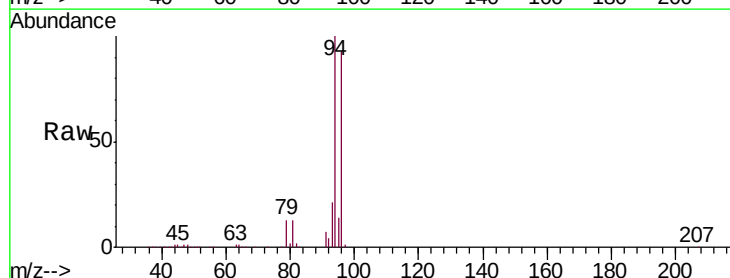
Acq: 31 Jan 2020 19:40

Tgt Ion: 94 Resp: 220320

Ion Ratio Lower Upper

94 100

96 93.2 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU036653.D (-150) (-)

Ion 96.00 (95.70 to 96.70): VU036653.D (-150) (-)

1.84

250000

200000

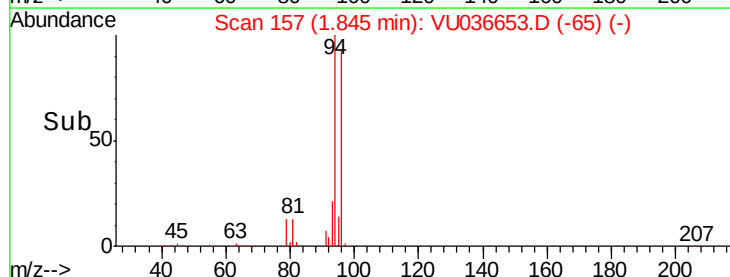
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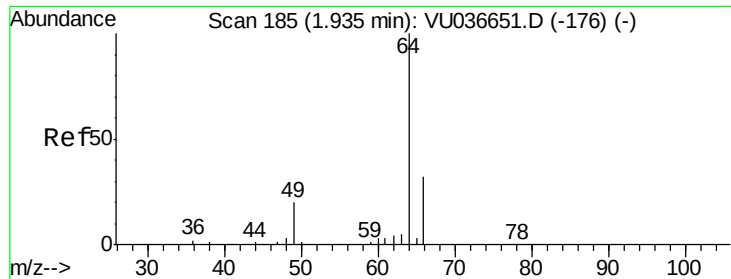
100000

50000

0

Time-->

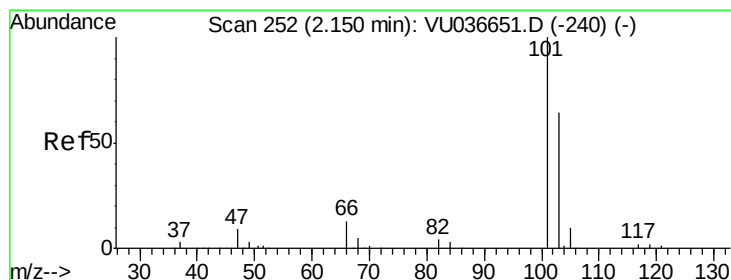
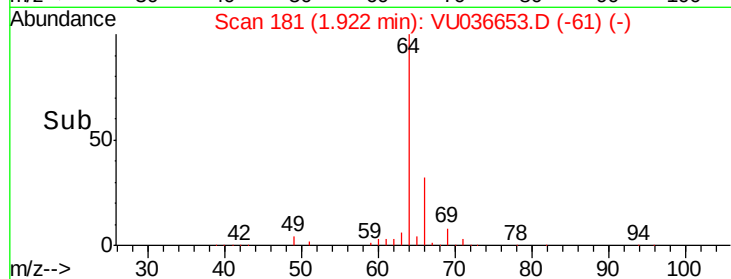
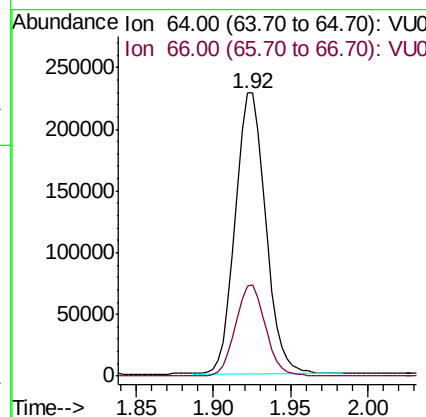
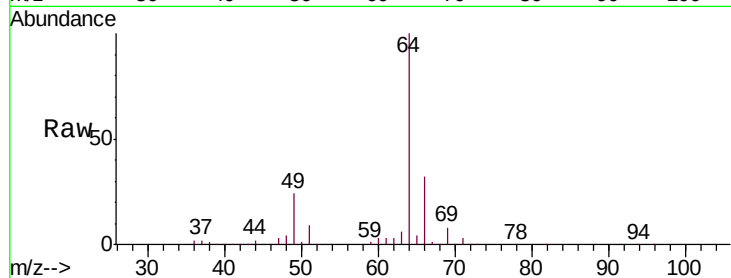




#8
 Chloroethane
 Concen: 216.584 ug/L
 RT: 1.92 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

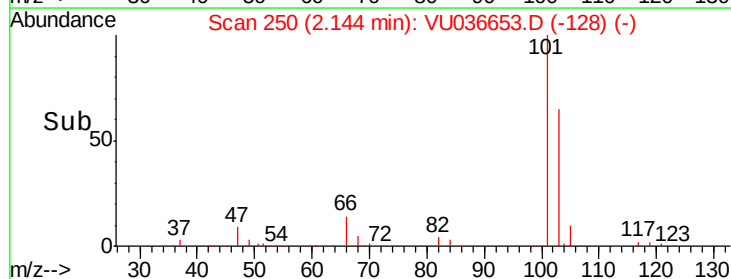
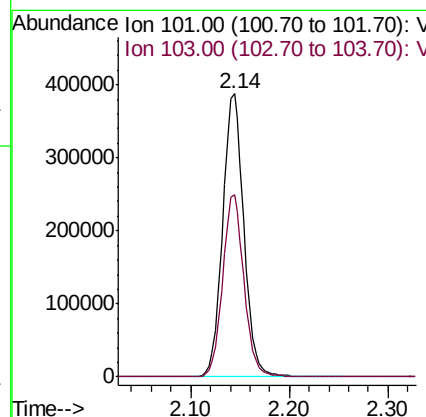
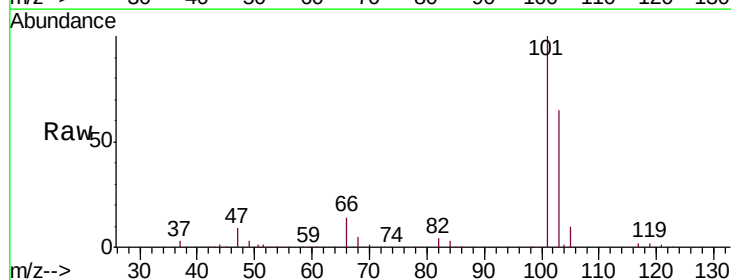
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

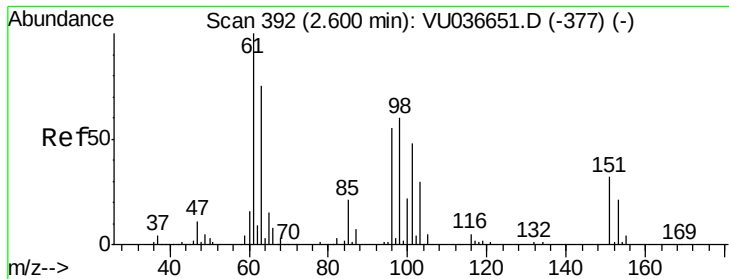
Tgt Ion: 64 Resp: 309507
 Ion Ratio Lower Upper
 64 100
 66 32.0 21.8 40.4



#9
 Trichlorofluoromethane
 Concen: 210.371 ug/L
 RT: 2.14 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

Tgt Ion: 101 Resp: 585495
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4





#10

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

Concen: 199.465 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

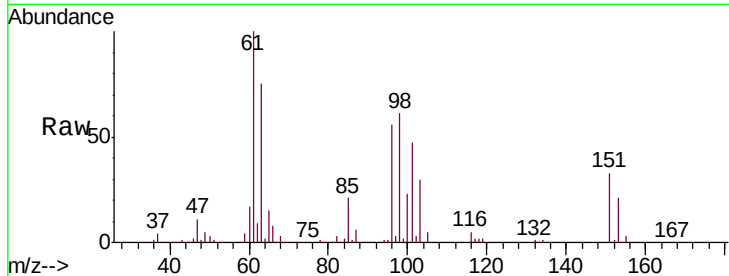
Tgt Ion: 101 Resp: 339602

Ion Ratio Lower Upper

101 100

85 43.7 35.8 53.8

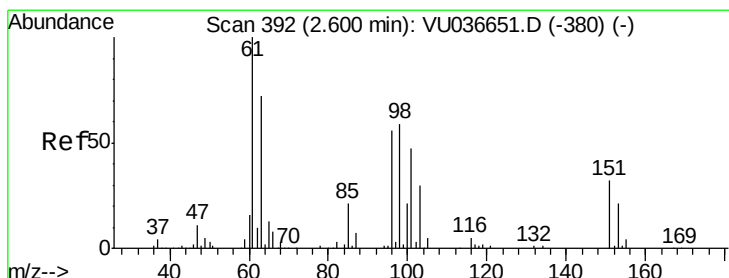
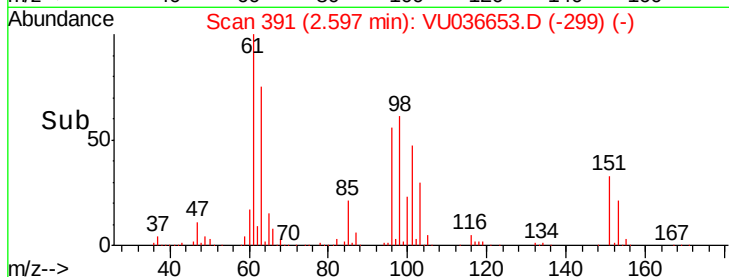
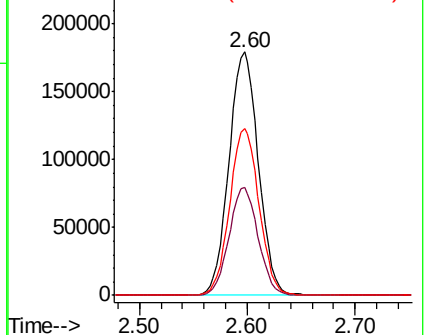
151 68.0 54.7 82.1



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: 205.015 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

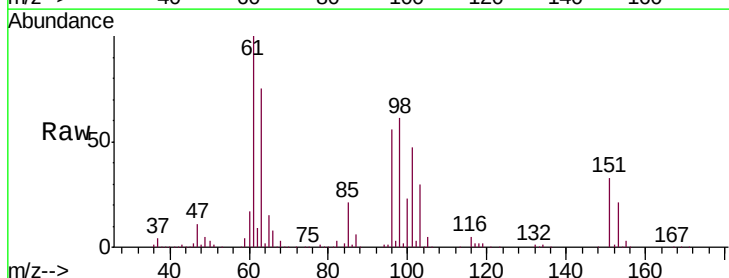
Tgt Ion: 96 Resp: 345566

Ion Ratio Lower Upper

96 100

61 178.1 126.8 235.4

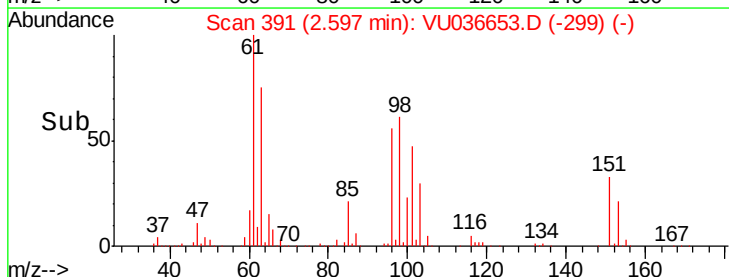
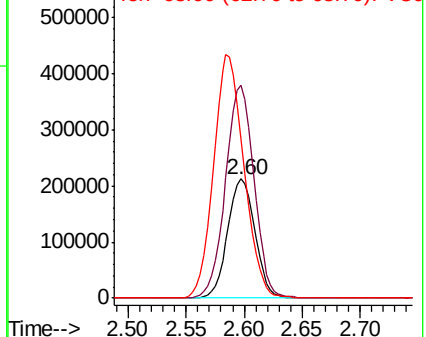
63 133.5 95.8 177.8

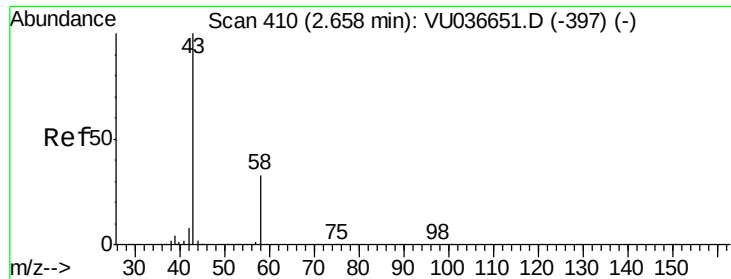


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 404.830 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

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ClientSampleId :

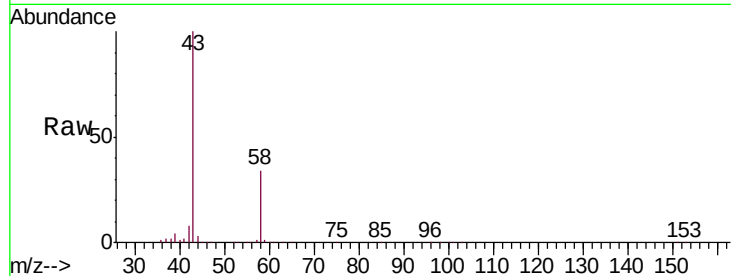
VSTD20034

Tgt Ion: 43 Resp: 474757

Ion Ratio Lower Upper

43 100

58 34.1 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VU036651.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036651.D (-397) (-)

2.66

300000

250000

200000

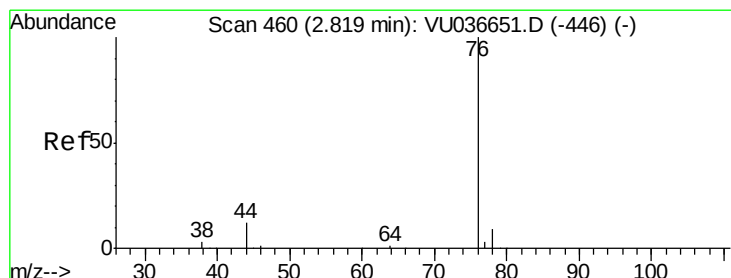
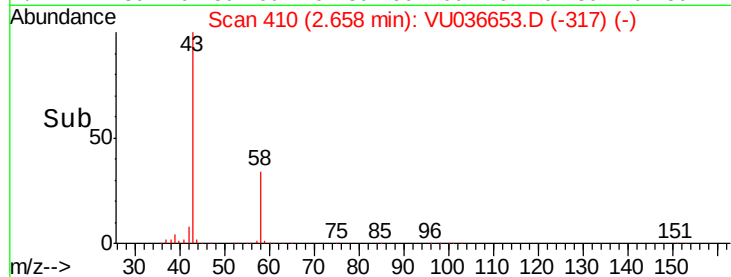
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 208.582 ug/L

RT: 2.81 min Scan# 458

Delta R.T. -0.01 min

Lab File: VU036653.D

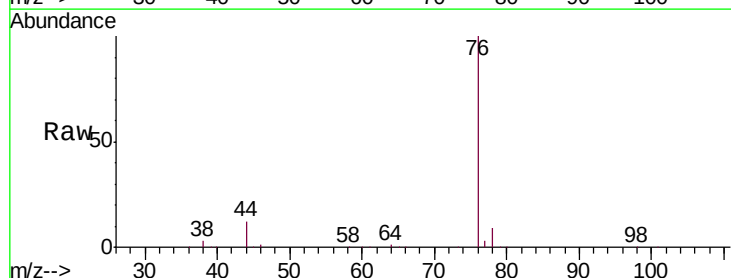
Acq: 31 Jan 2020 19:40

Tgt Ion: 76 Resp: 1061459

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU036651.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036651.D (-446) (-)

2.81

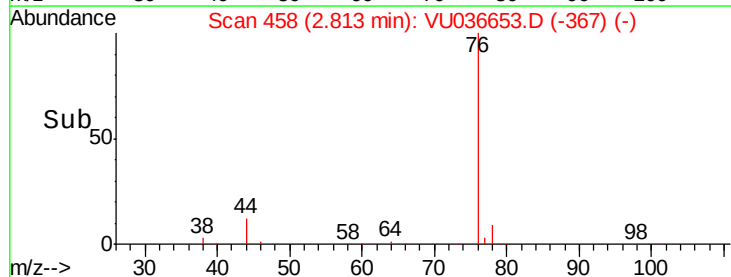
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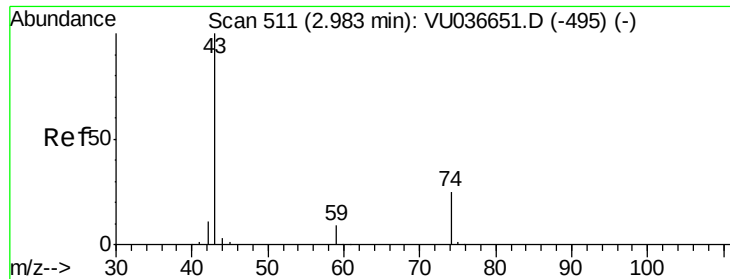
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200000

0

Time-->

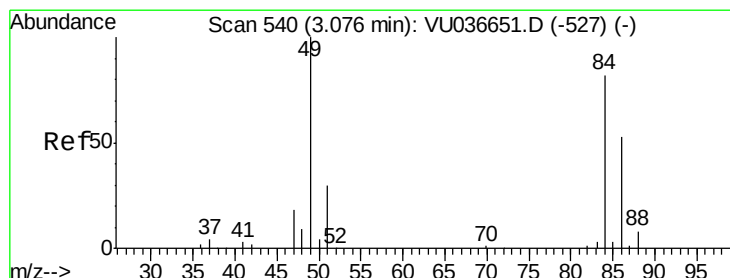
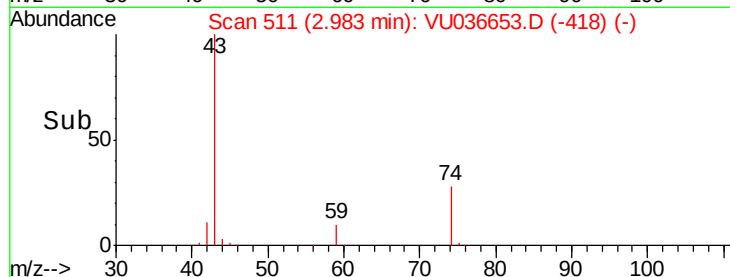
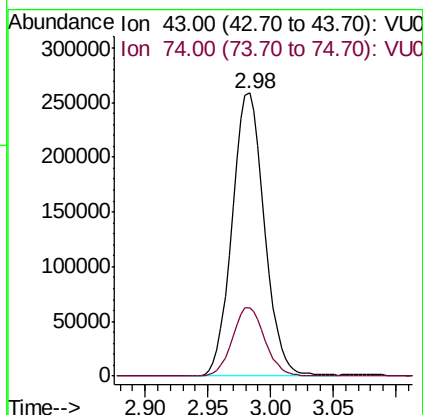
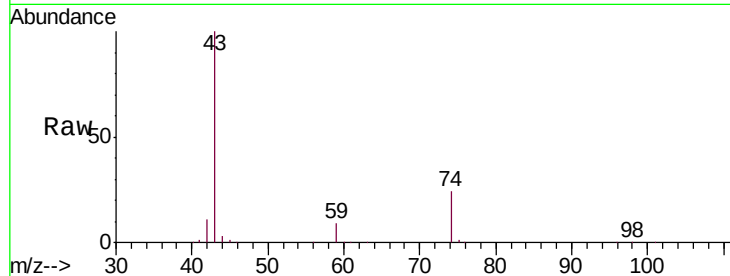




#15
Methyl Acetate
Concen: 244.103 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU036653.D
Acq: 31 Jan 2020 19:40

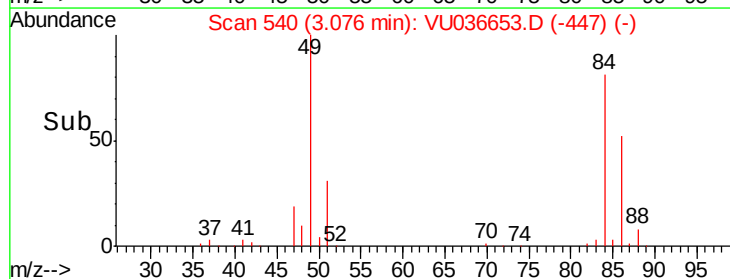
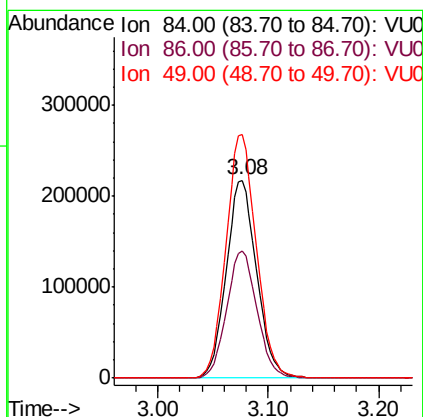
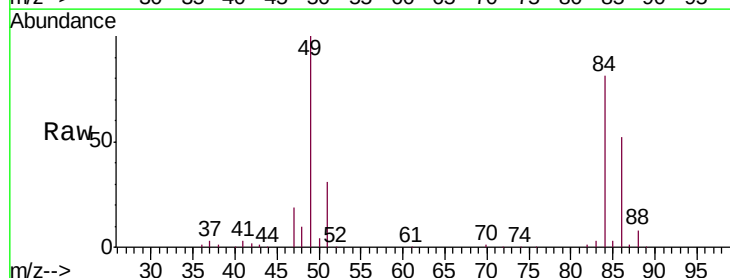
Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

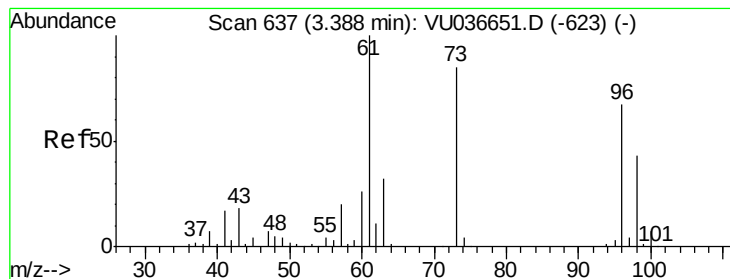
Tgt Ion: 43 Resp: 461591
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2



#16
Methylene chloride
Concen: 203.260 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU036653.D
Acq: 31 Jan 2020 19:40

Tgt Ion: 84 Resp: 414899
Ion Ratio Lower Upper
84 100
86 64.5 45.1 83.9
49 123.0 85.3 158.3





#17

trans-1,2-Dichloroethene

Concen: 202.954 ug/L

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

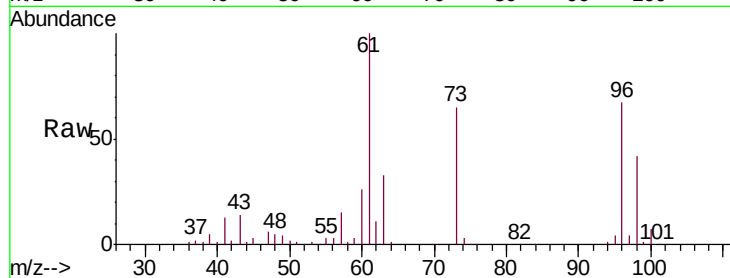
Tgt Ion: 96 Resp: 365006

Ion Ratio Lower Upper

96 100

61 148.3 104.2 193.6

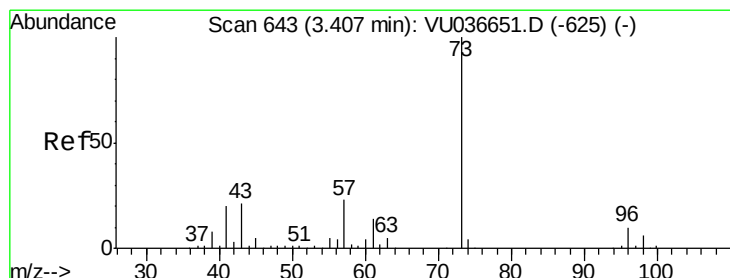
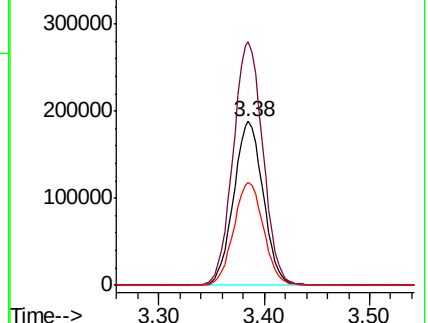
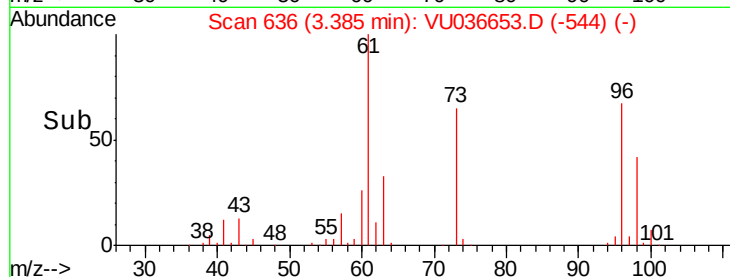
98 62.9 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU036653.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036653.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036653.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 218.992 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

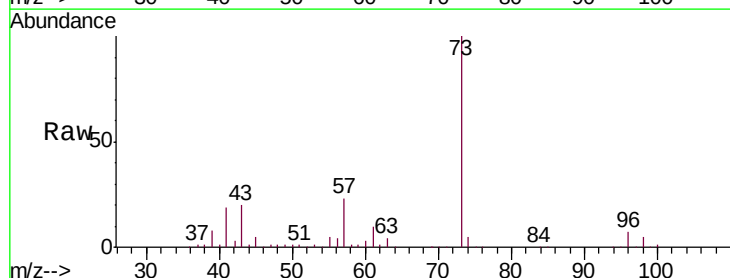
Tgt Ion: 73 Resp: 1286792

Ion Ratio Lower Upper

73 100

43 20.2 16.6 24.8

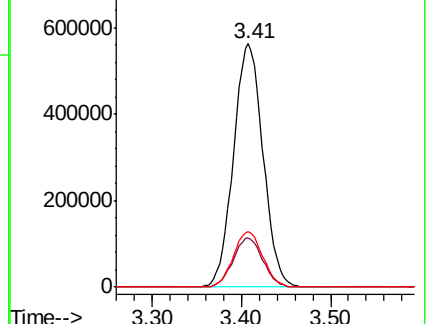
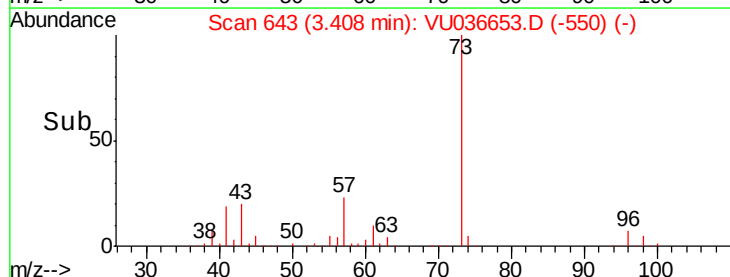
57 22.8 18.0 27.0

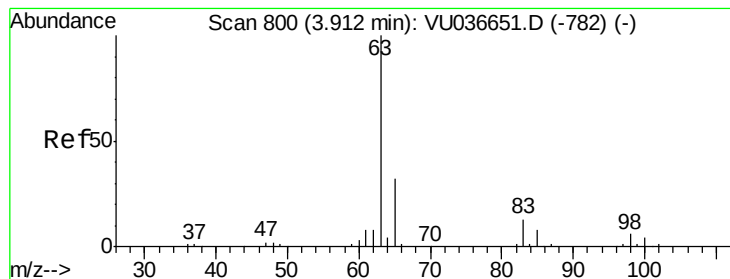


Abundance Ion 73.00 (72.70 to 73.70): VU036653.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036653.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036653.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 221.503 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

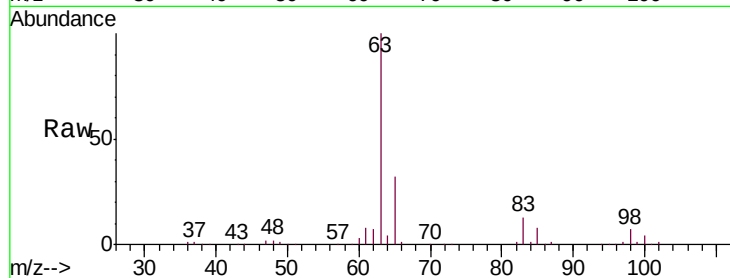
Tgt Ion: 63 Resp: 727501

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.5

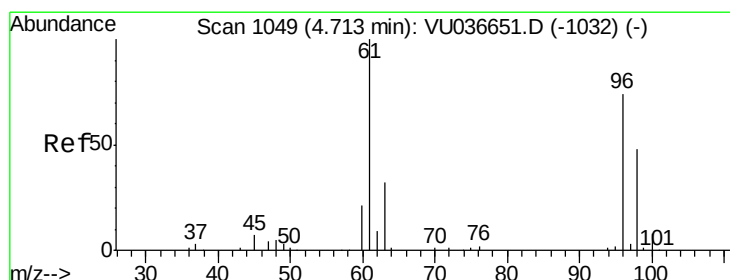
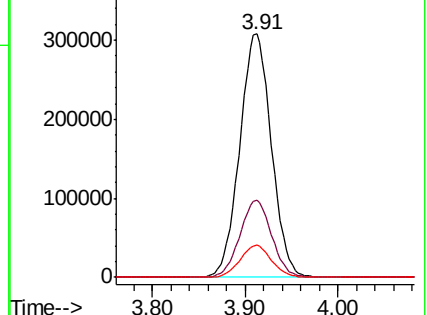
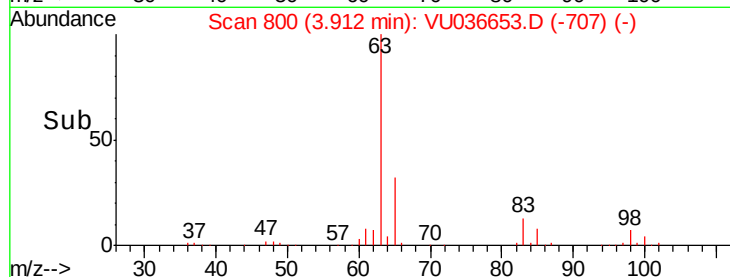
83 13.2 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VU036653.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU036653.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU036653.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 207.738 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

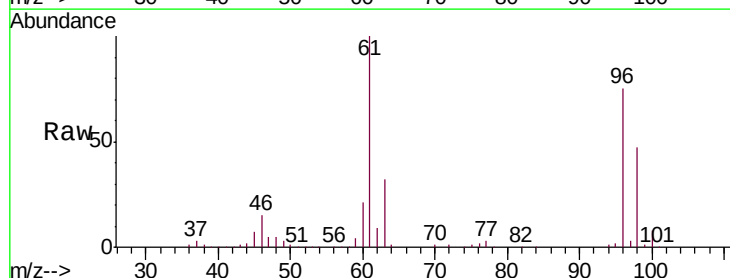
Tgt Ion: 96 Resp: 424931

Ion Ratio Lower Upper

96 100

61 134.2 94.9 176.3

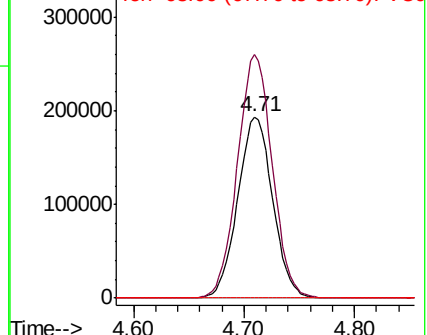
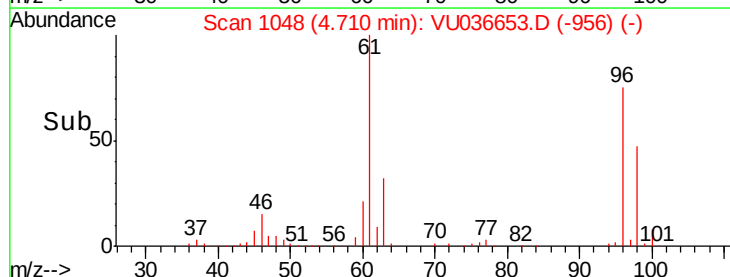
68 0.0 0.0 0.0

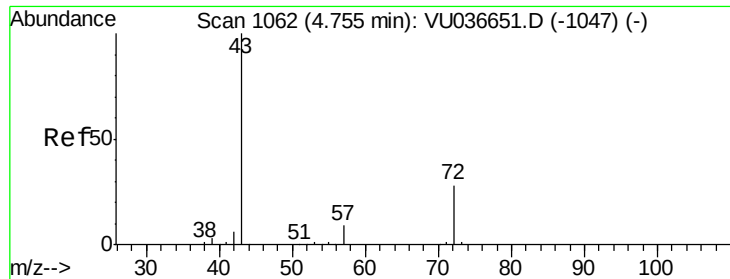


Abundance Ion 96.00 (95.70 to 96.70): VU036653.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036653.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036653.D (-956) (-)





#22

2-Butanone

Concen: 489.584 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampled :

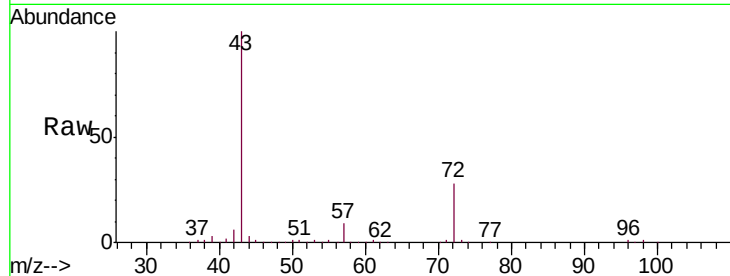
VSTD20034

Tgt Ion: 43 Resp: 705791

Ion Ratio Lower Upper

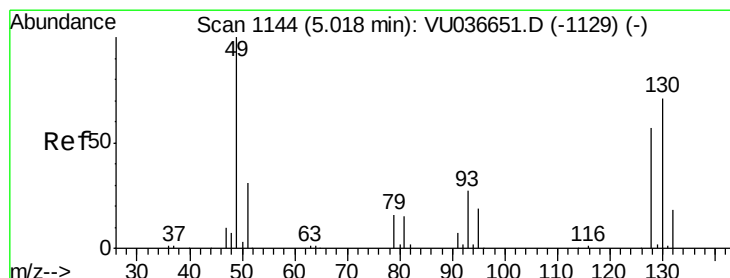
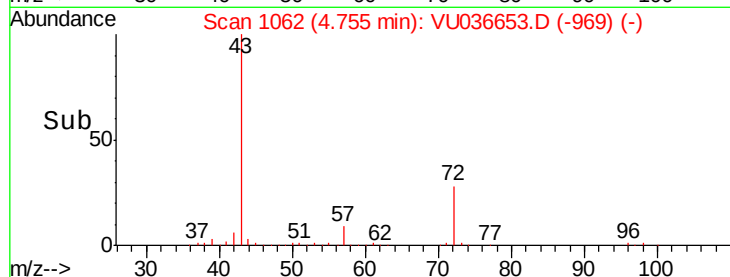
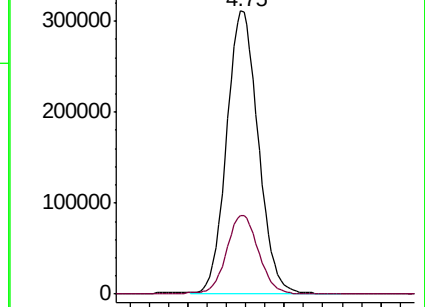
43 100

72 28.5 14.6 44.0



Abundance Ion 43.00 (42.70 to 43.70): VU036653.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036653.D (-969) (-)



#23

Bromochloromethane

Concen: 189.439 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Tgt Ion: 128 Resp: 196880

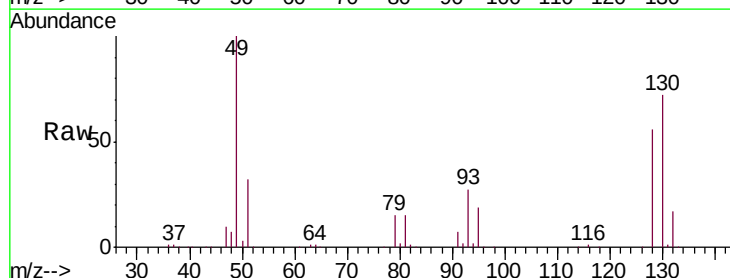
Ion Ratio Lower Upper

128 100

49 179.0 123.8 229.8

130 129.1 87.8 163.2

51 56.8 43.4 65.0

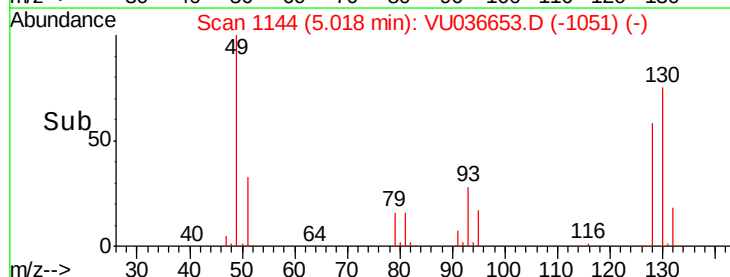
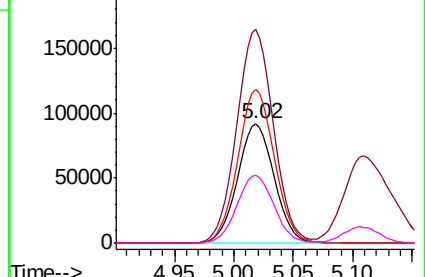


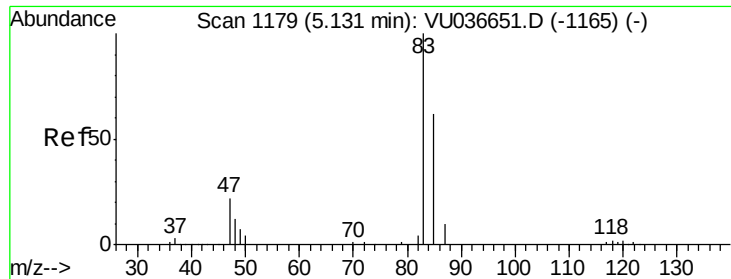
Abundance Ion 128.00 (127.70 to 128.70): VU036653.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU036653.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU036653.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU036653.D (-1051) (-)

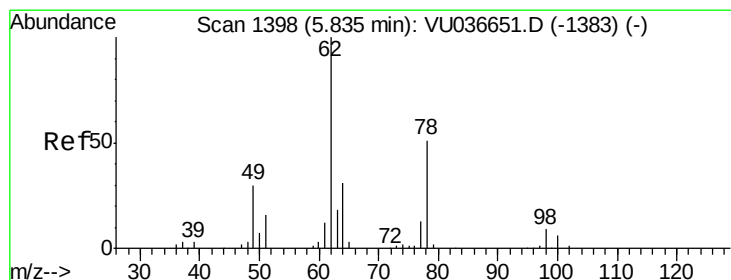
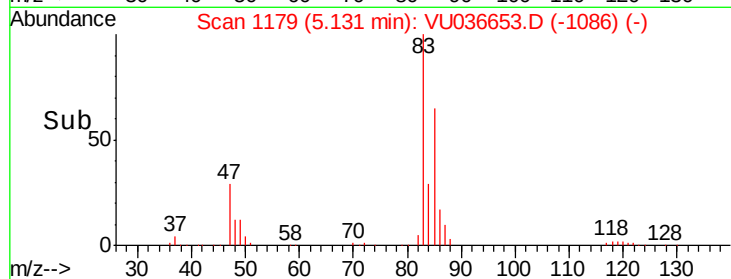
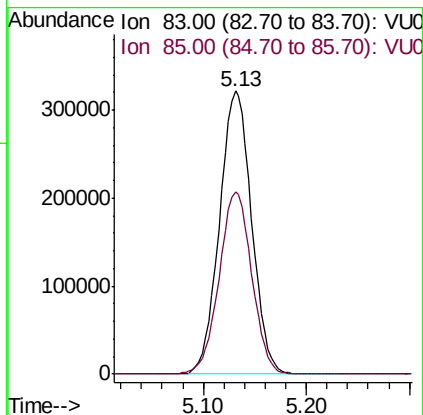
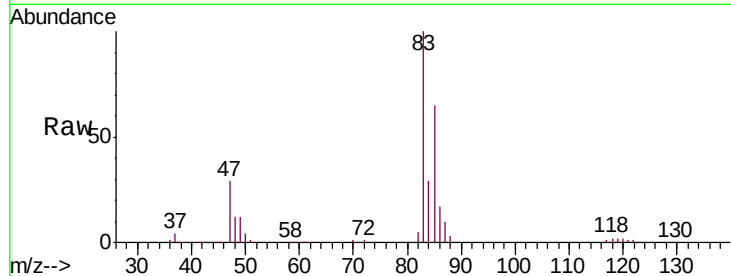




#25
Chloroform
Concen: 209.397 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036653.D
Acq: 31 Jan 2020 19:40

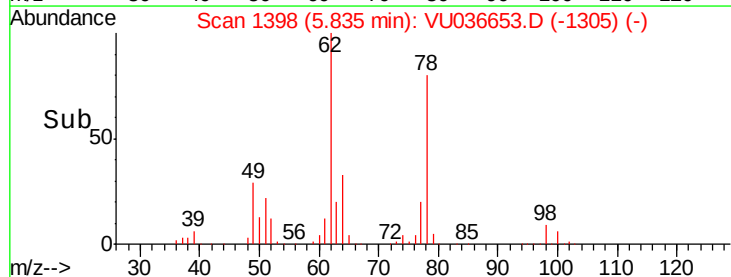
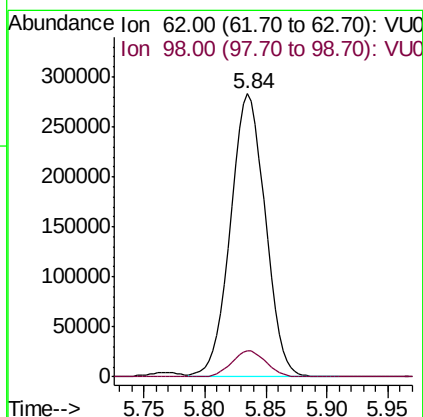
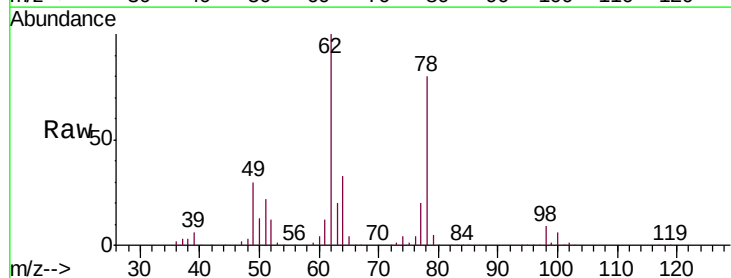
Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

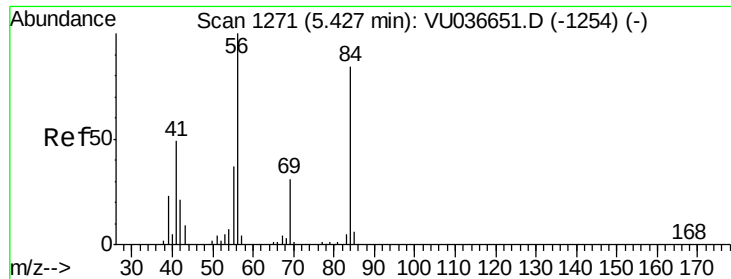
Tgt Ion: 83 Resp: 696743
Ion Ratio Lower Upper
83 100
85 64.6 44.3 82.3



#27
1,2-Dichloroethane
Concen: 221.428 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036653.D
Acq: 31 Jan 2020 19:40

Tgt Ion: 62 Resp: 560453
Ion Ratio Lower Upper
62 100
98 9.2 7.3 10.9

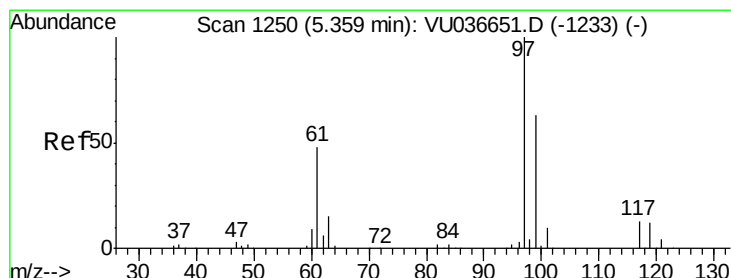
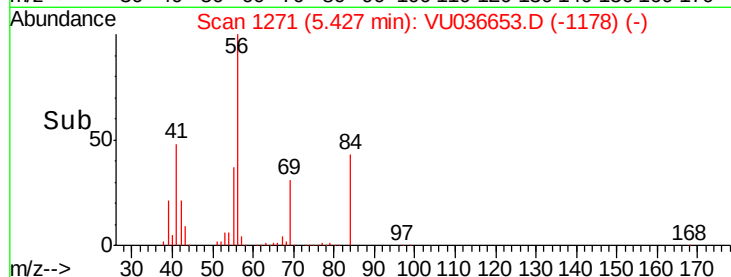
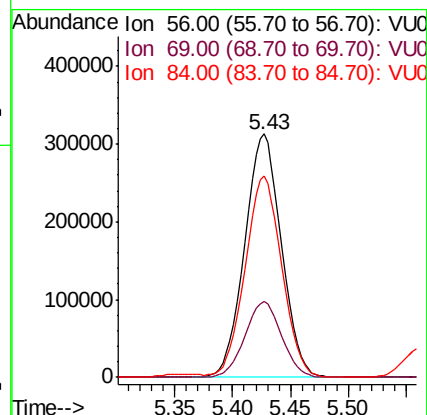
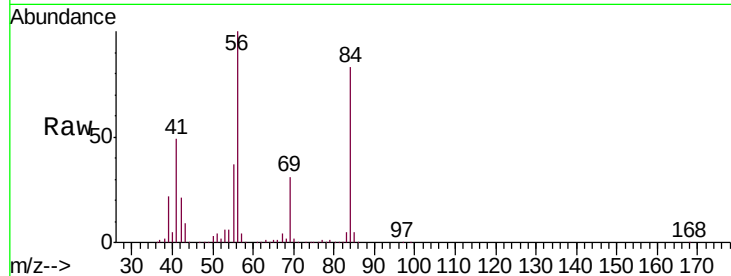




#29
Cyclohexane
Concen: 212.770 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036653.D
Acq: 31 Jan 2020 19:40

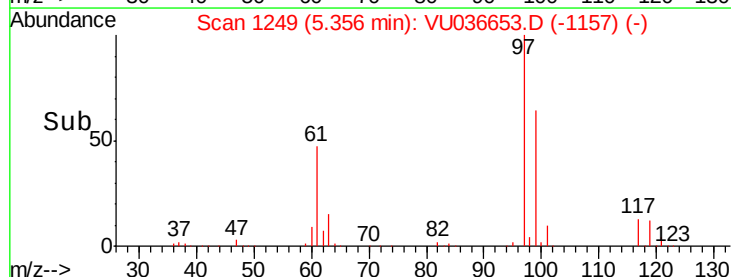
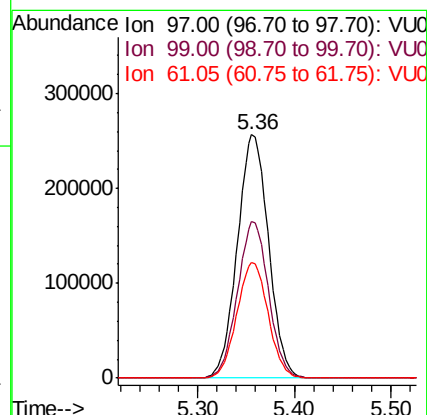
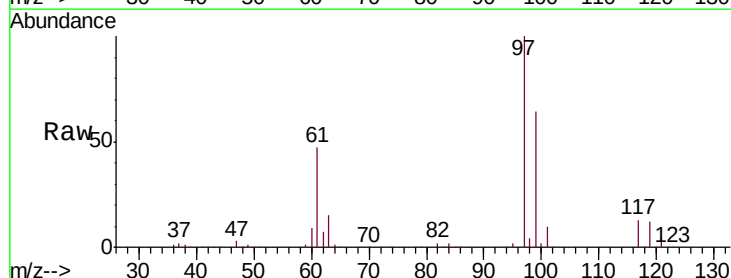
Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

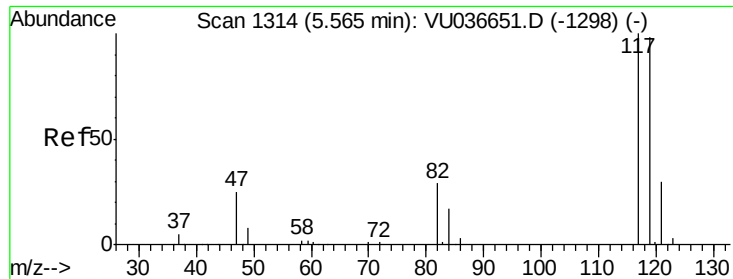
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.0	37.4
84	82.8	66.2	99.2



#30
1,1,1-Trichloroethane
Concen: 199.543 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036653.D
Acq: 31 Jan 2020 19:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	47.6	38.2	57.4





#31

Carbon tetrachloride

Concen: 193.054 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

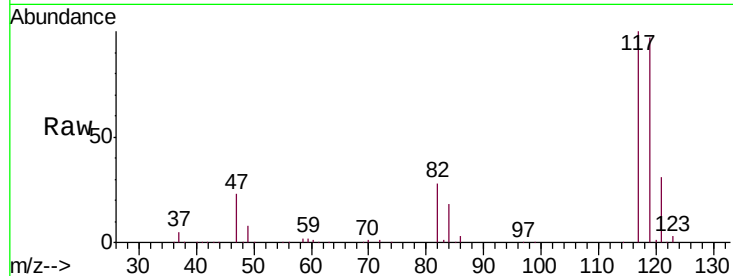
VSTD20034

Tgt Ion:117 Resp: 471672

Ion Ratio Lower Upper

117 100

119 95.7 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

250000

200000

150000

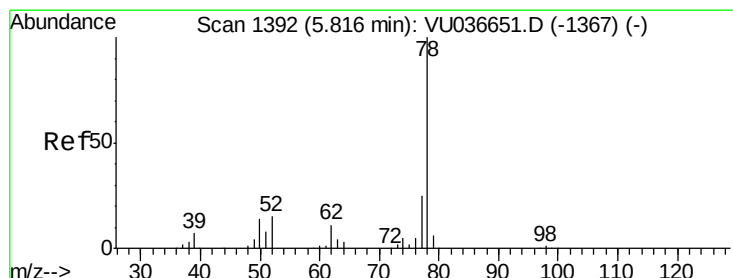
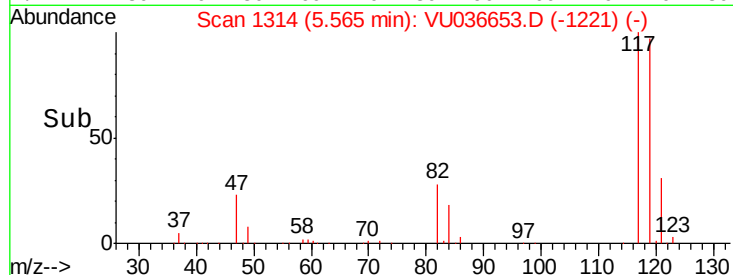
100000

50000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 197.942 ug/L

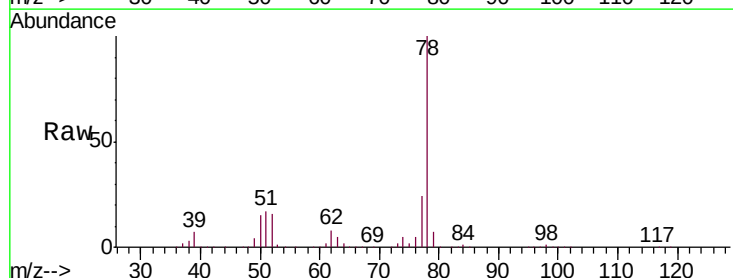
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Tgt Ion: 78 Resp: 1623165



Abundance Ion 78.00 (77.70 to 78.70): VU0

800000

600000

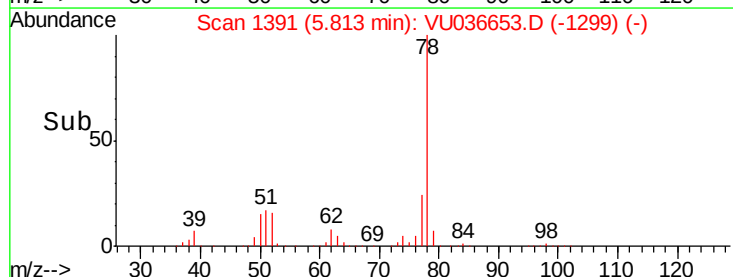
400000

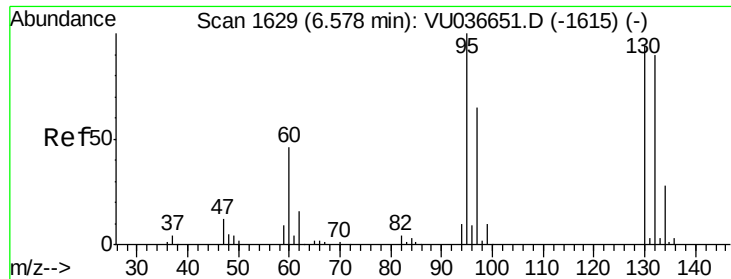
200000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 192.066 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

Tgt Ion: 95 Resp: 401434

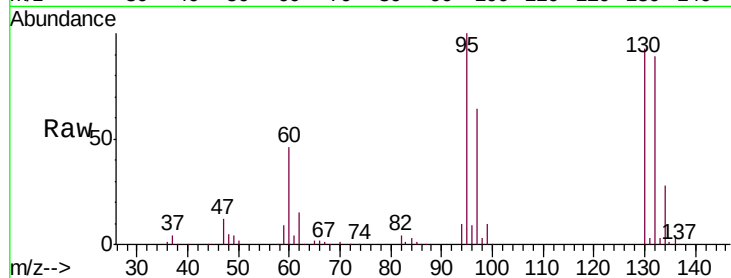
Ion Ratio Lower Upper

95 100

97 64.1 45.4 84.4

132 89.0 63.2 117.4

130 93.2 65.9 122.3



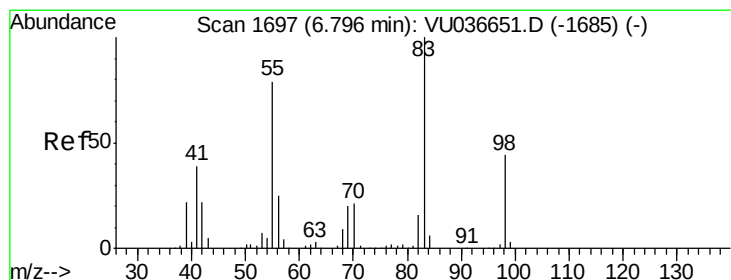
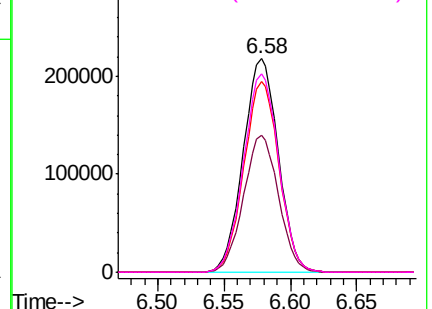
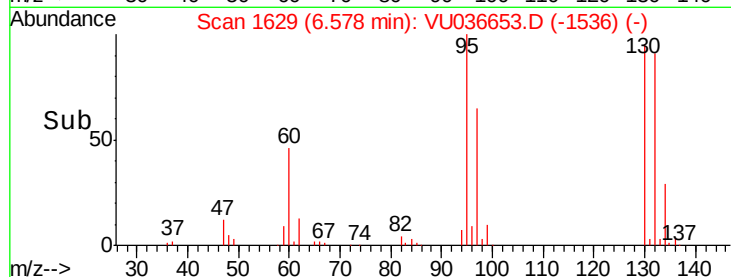
Abundance

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: 196.578 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

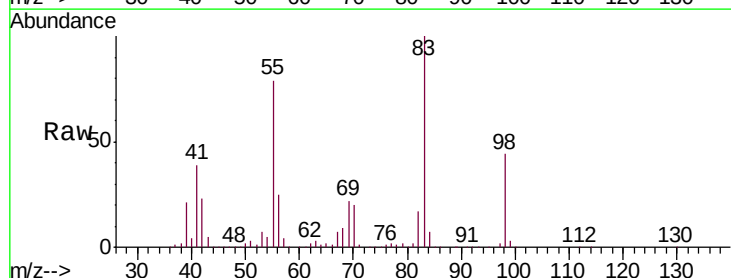
Tgt Ion: 83 Resp: 691270

Ion Ratio Lower Upper

83 100

55 78.0 63.1 94.7

98 43.7 35.0 52.6

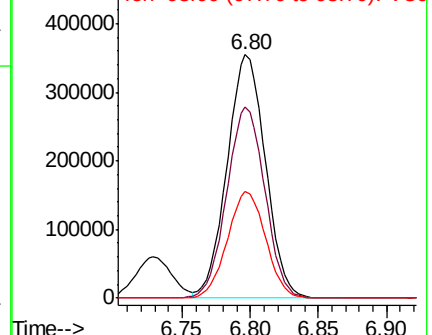
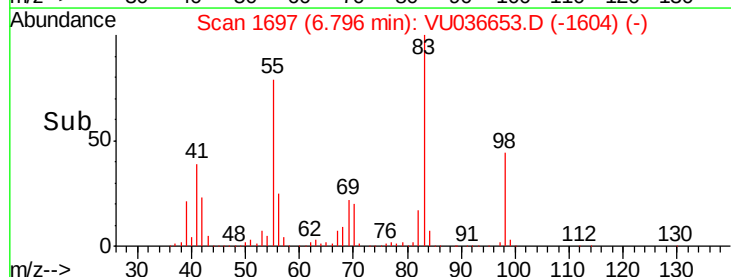


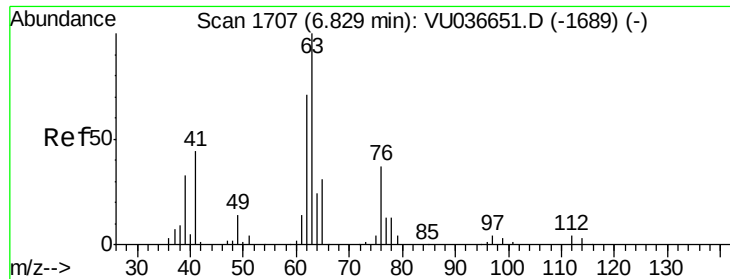
Abundance

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

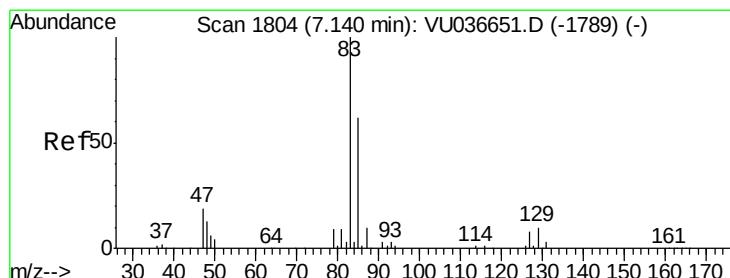
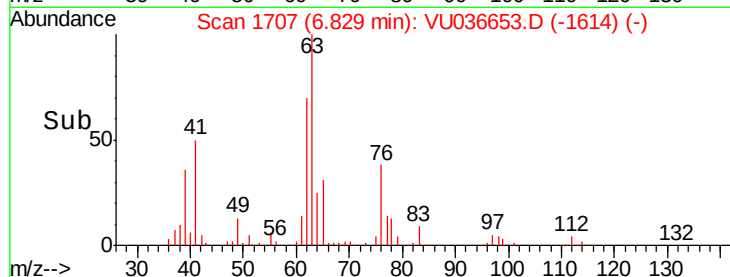
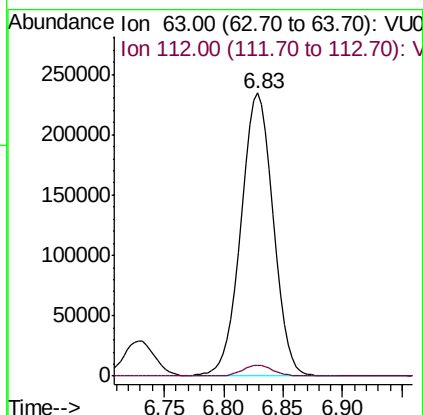
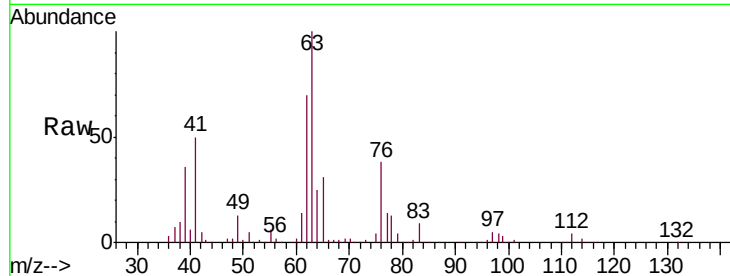




#37
 1,2-Dichloropropane
 Concen: 209.076 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

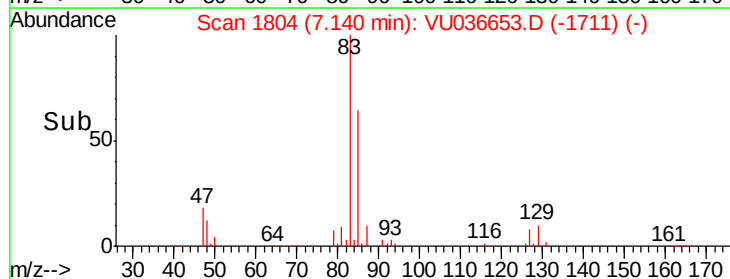
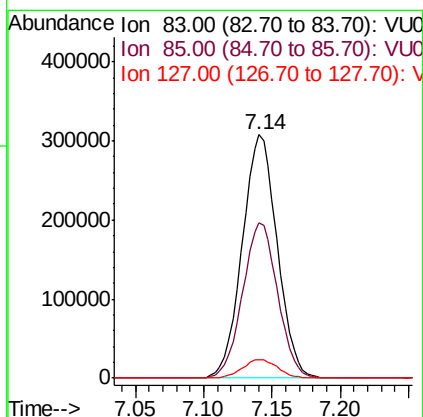
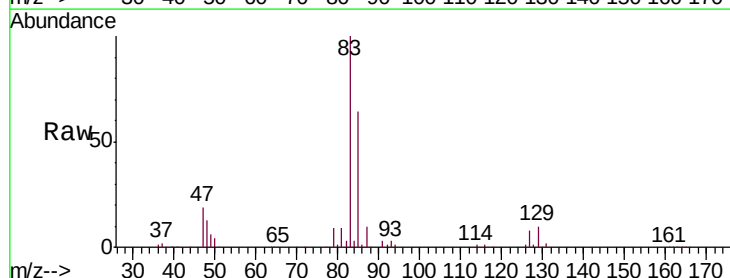
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

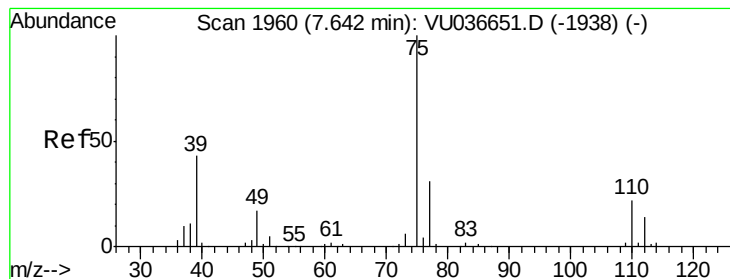
Tgt Ion: 63 Resp: 439991
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 208.794 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

Tgt Ion: 83 Resp: 546606
 Ion Ratio Lower Upper
 83 100
 85 63.8 43.2 80.2
 127 7.6 6.4 9.6



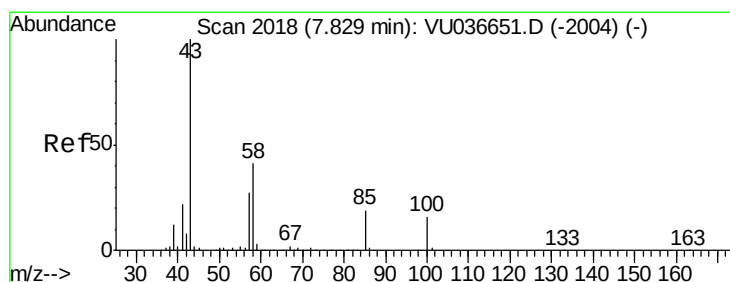
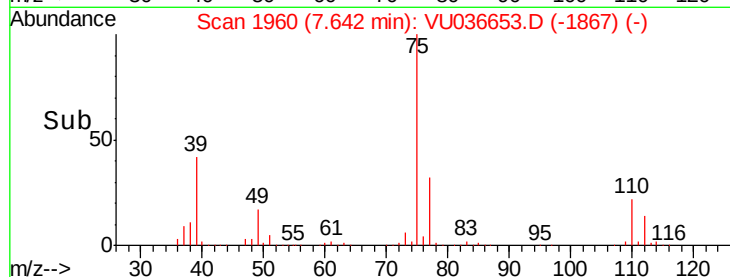
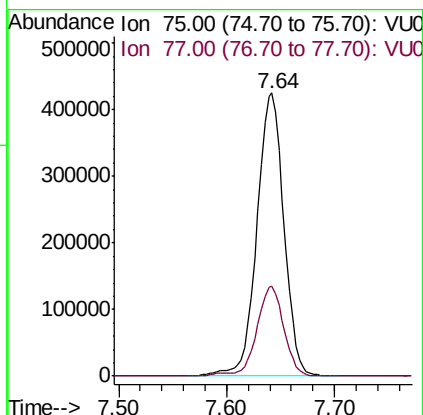
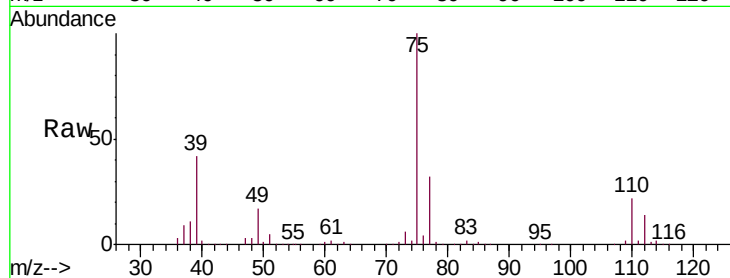


#39

cis-1,3-Dichloropropene
 Concen: 218.092 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

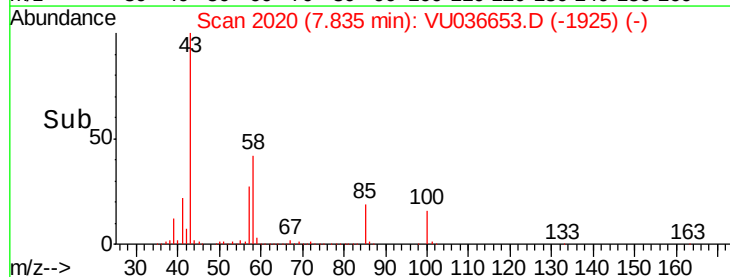
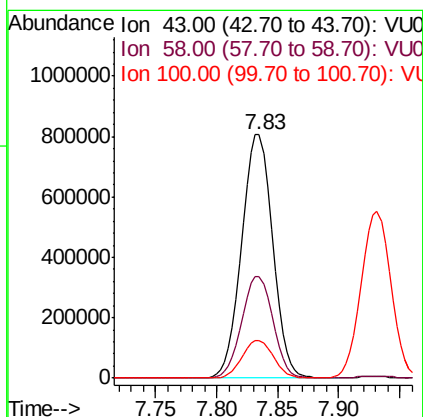
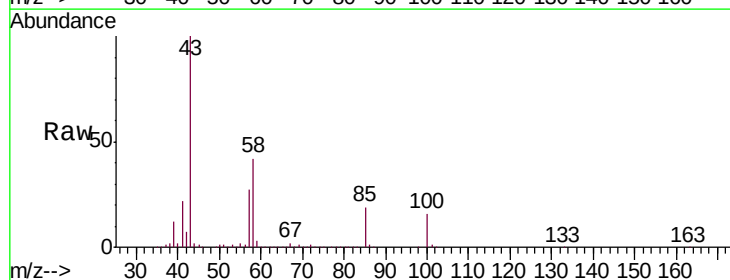
Tgt Ion: 75 Resp: 735878
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0

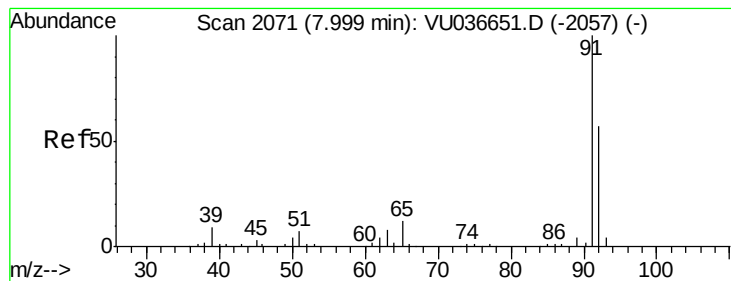


#40

4-Methyl-2-pentanone
 Concen: 506.742 ug/L
 RT: 7.83 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

Tgt Ion: 43 Resp: 1416381
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.3 49.9
 100 15.5 12.4 18.6





#42

Toluene

Concen: 199.508 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

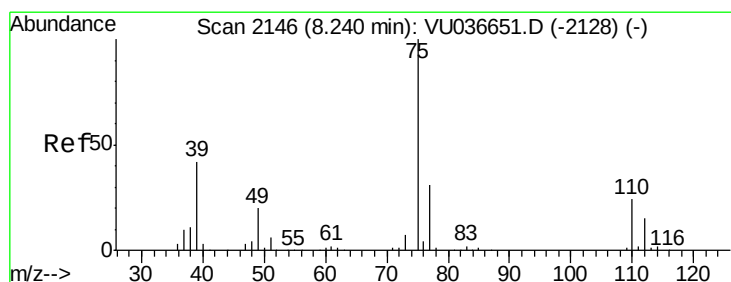
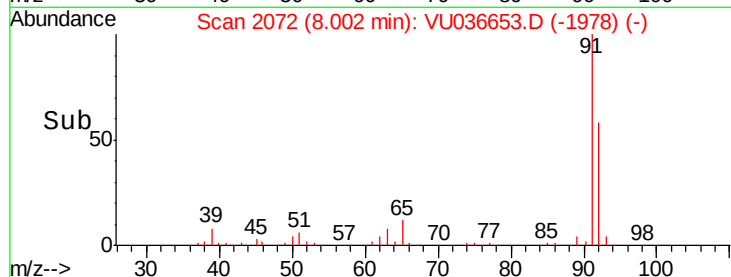
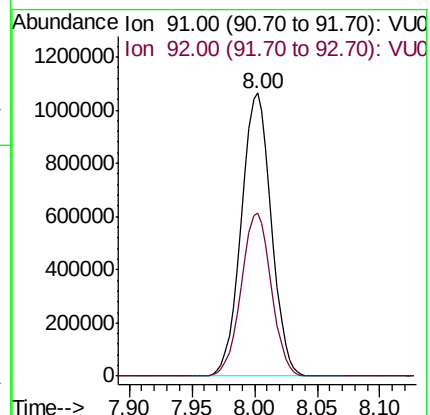
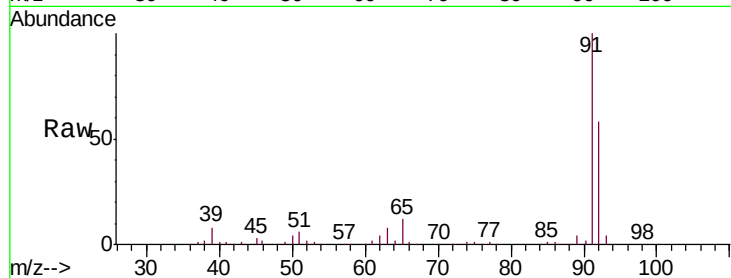
VSTD20034

Tgt Ion: 91 Resp: 1768986

Ion Ratio Lower Upper

91 100

92 57.8 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 221.432 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036653.D

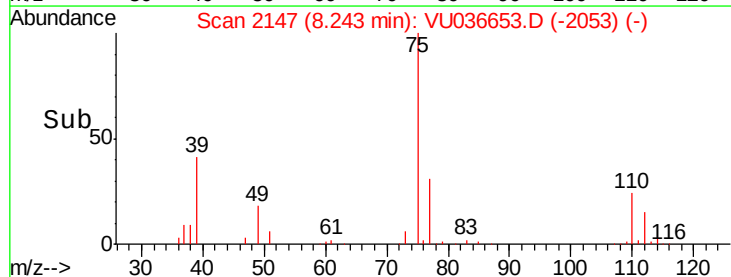
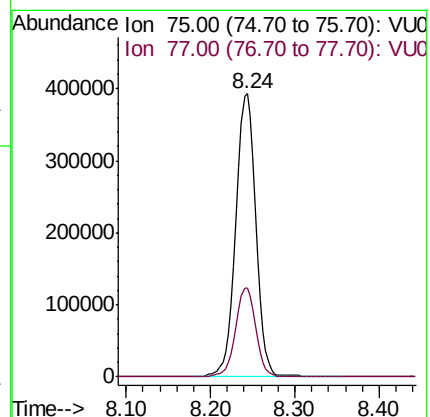
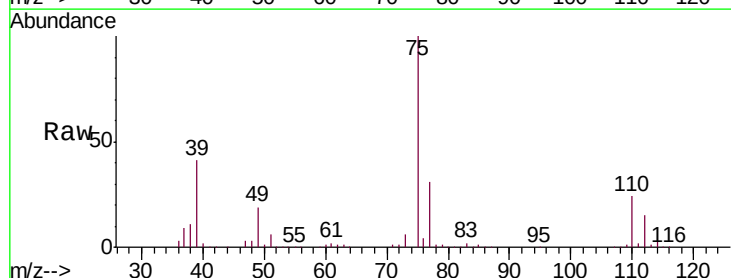
Acq: 31 Jan 2020 19:40

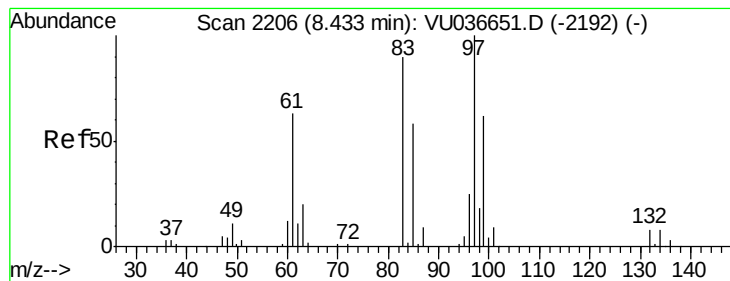
Tgt Ion: 75 Resp: 655254

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 197.131 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

Tgt Ion: 97 Resp: 406258

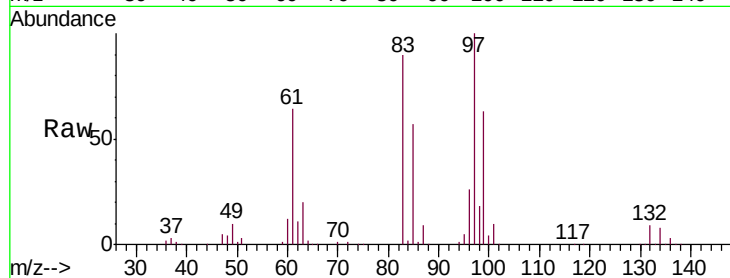
Ion Ratio Lower Upper

97 100

99 62.7 43.4 80.6

83 89.6 63.0 117.0

85 57.2 40.3 74.9

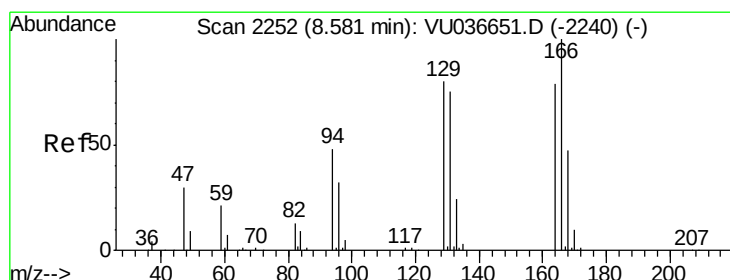
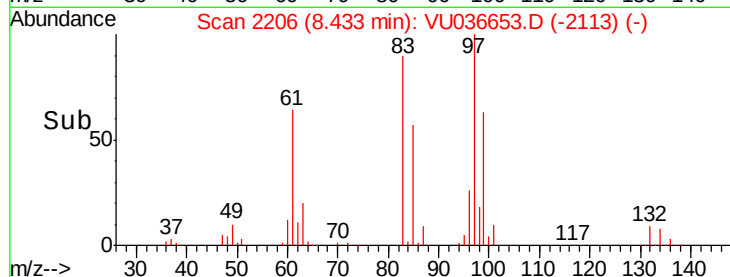
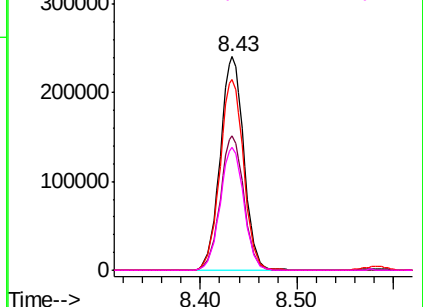


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 171.154 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Tgt Ion: 164 Resp: 282381

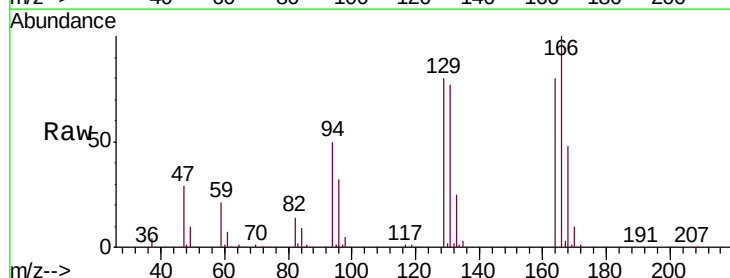
Ion Ratio Lower Upper

164 100

129 98.9 71.1 132.1

131 95.3 66.9 124.3

166 124.3 89.0 165.4

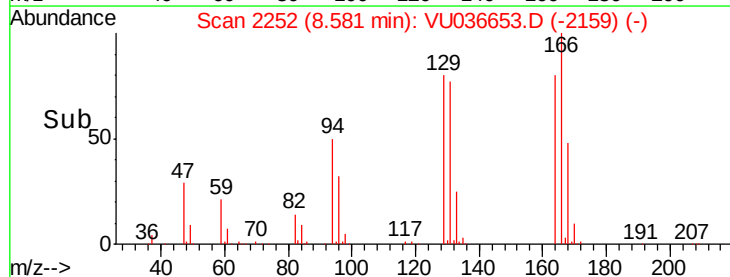
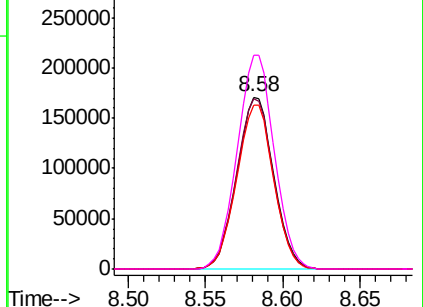


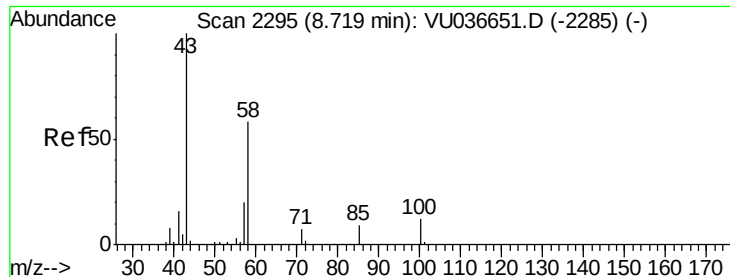
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

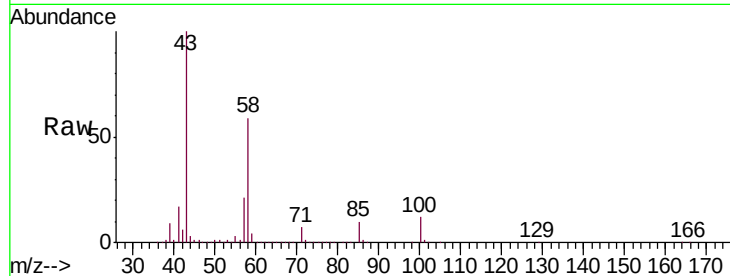




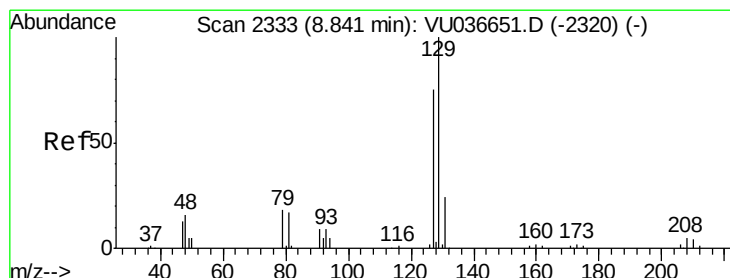
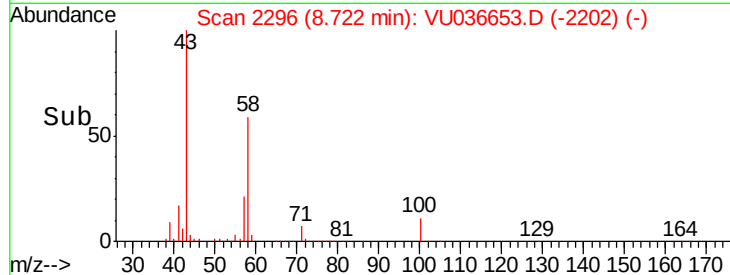
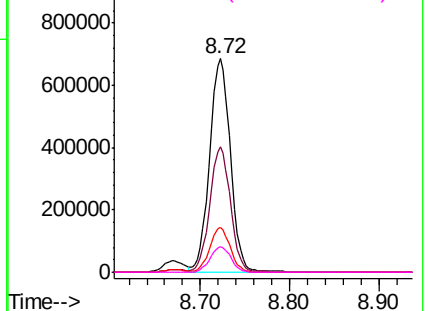
#48
2-Hexanone
Concen: 529.005 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036653.D
Acq: 31 Jan 2020 19:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

Tgt Ion: 43 Resp: 1111017
Ion Ratio Lower Upper
43 100
58 58.0 46.2 69.2
57 20.4 16.3 24.5
100 11.9 9.8 14.6

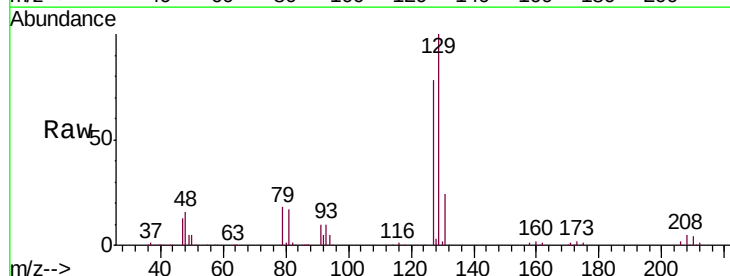


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

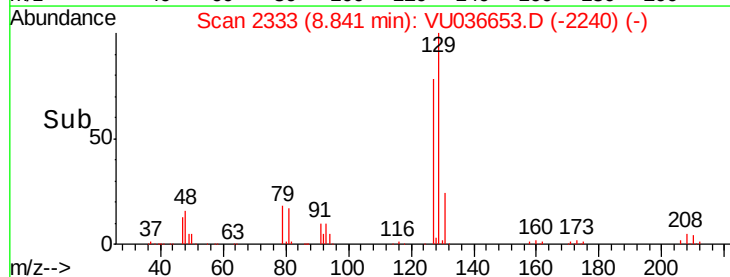
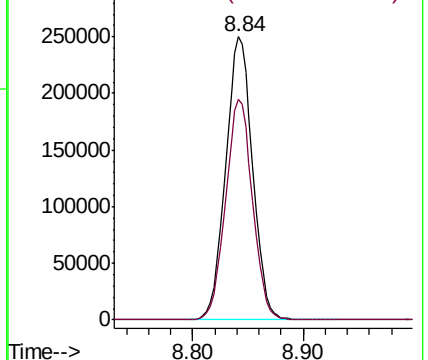


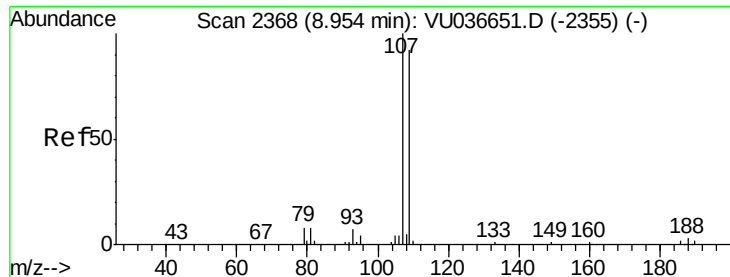
#49
Dibromochloromethane
Concen: 196.586 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036653.D
Acq: 31 Jan 2020 19:40

Tgt Ion: 129 Resp: 422785
Ion Ratio Lower Upper
129 100
127 78.2 52.4 97.2



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

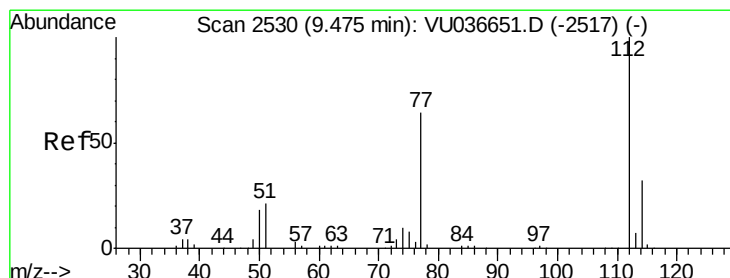
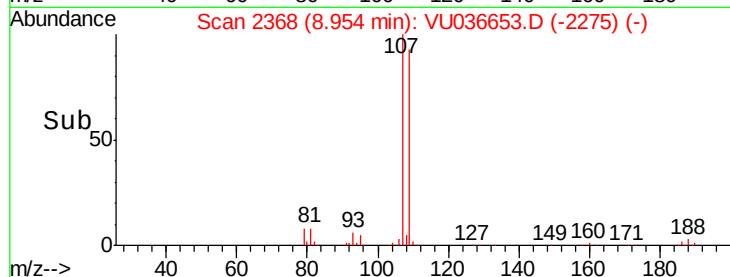
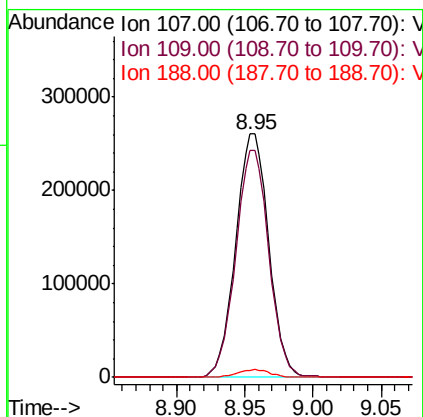
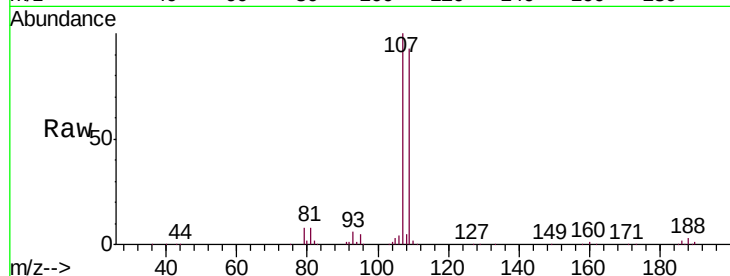




#50
 1,2-Dibromoethane
 Concen: 198.931 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

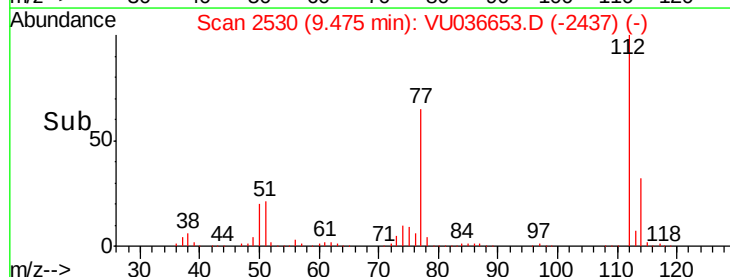
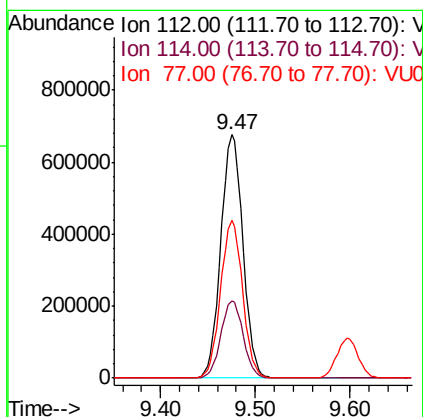
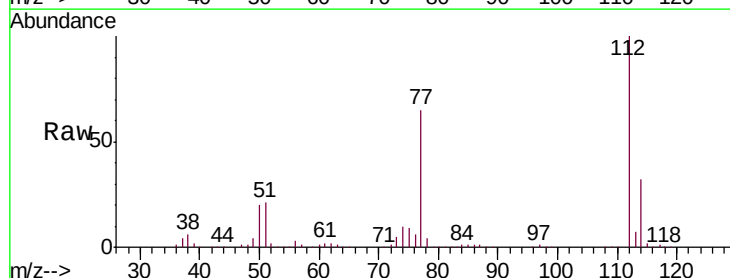
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

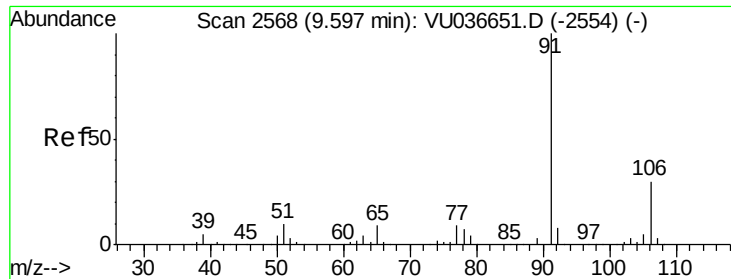
Tgt Ion:107 Resp: 438736
 Ion Ratio Lower Upper
 107 100
 109 93.4 64.5 119.7
 188 3.0 2.5 3.7



#51
 Chlorobenzene
 Concen: 193.592 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

Tgt Ion:112 Resp: 1098688
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.5 41.9
 77 64.6 51.4 77.2





#52

Ethylbenzene

Concen: 207.145 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

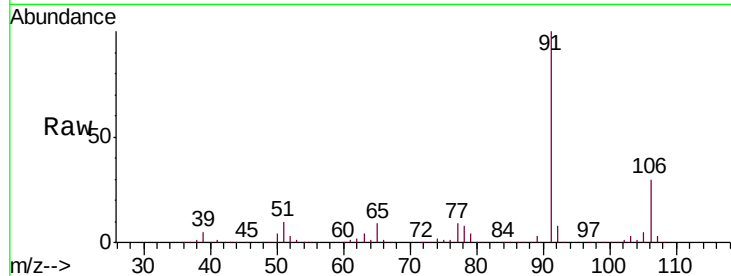
VSTD20034

Tgt Ion: 91 Resp: 2016648

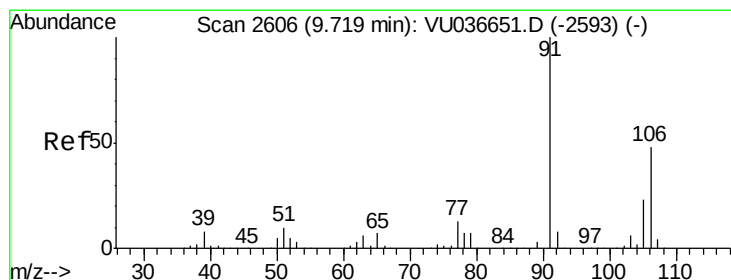
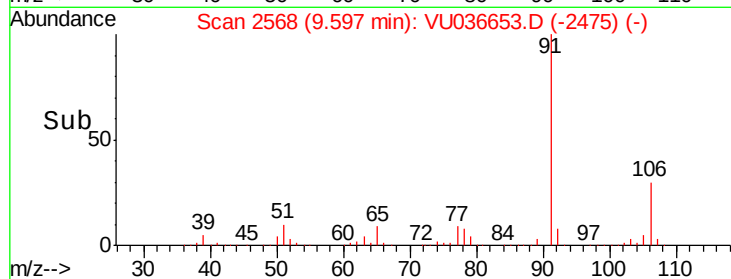
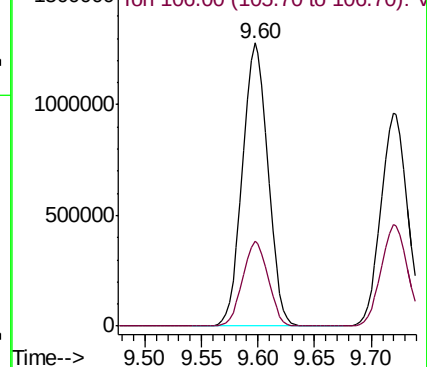
Ion Ratio Lower Upper

91 100

106 30.0 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU036653.D (-2554) (-)



#53

m,p-Xylene

Concen: 198.974 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036653.D

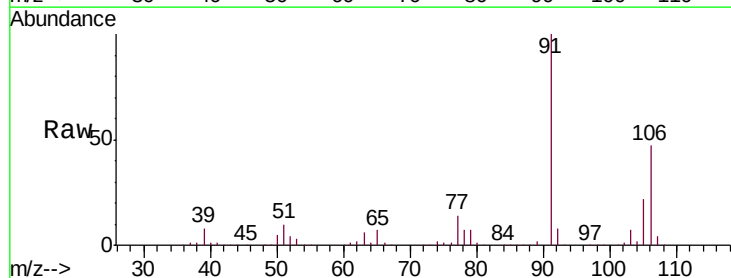
Acq: 31 Jan 2020 19:40

Tgt Ion: 106 Resp: 746900

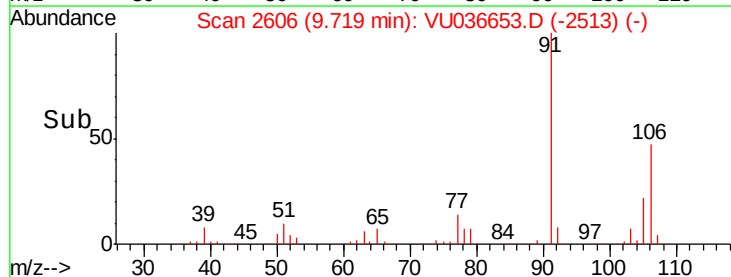
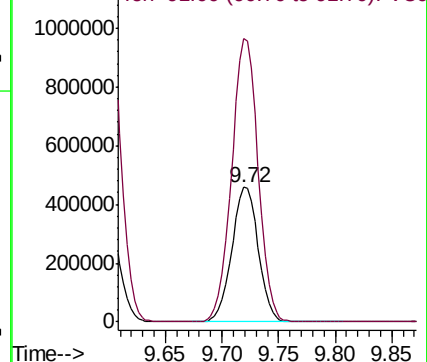
Ion Ratio Lower Upper

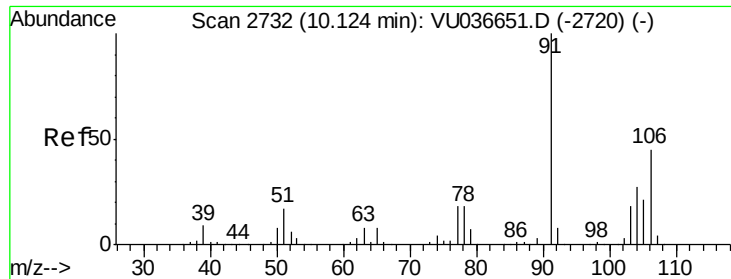
106 100

91 210.7 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): VU036653.D (-2593) (-)





#54

o-xylene

Concen: 201.333 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

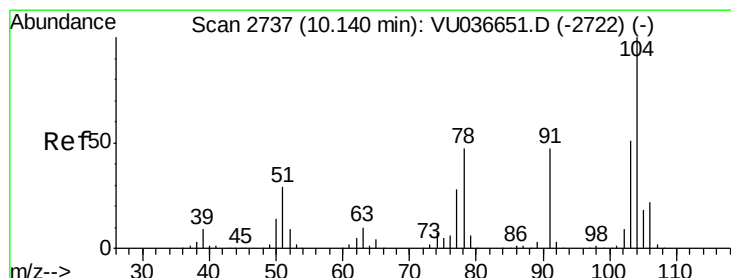
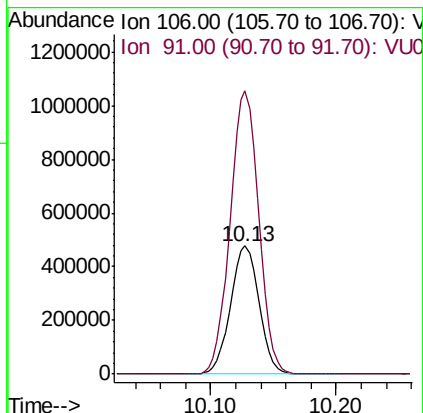
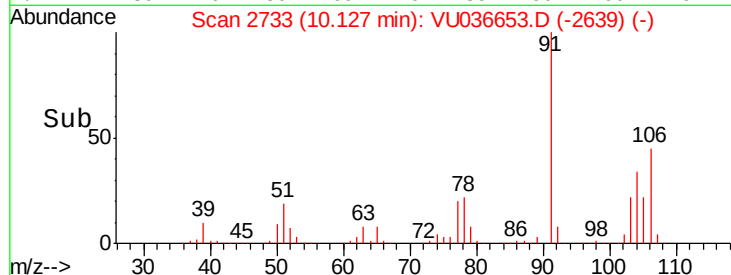
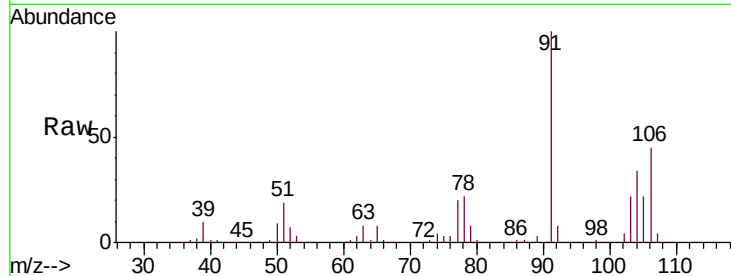
VSTD20034

Tgt Ion:106 Resp: 753830

Ion Ratio Lower Upper

106 100

91 221.0 154.9 287.7



#55

Styrene

Concen: 218.533 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036653.D

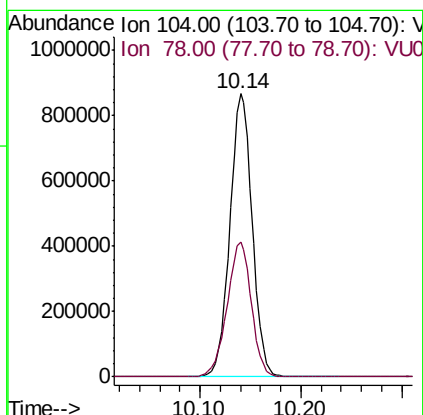
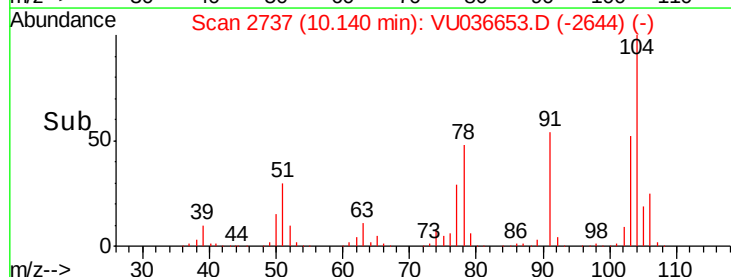
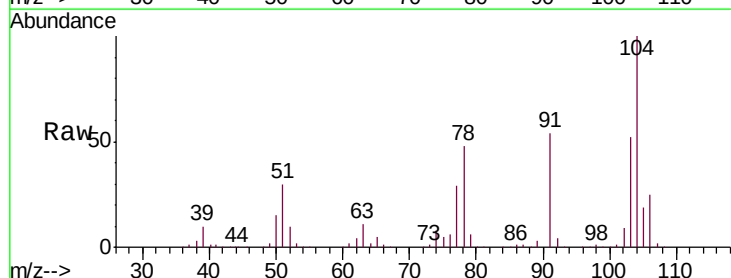
Acq: 31 Jan 2020 19:40

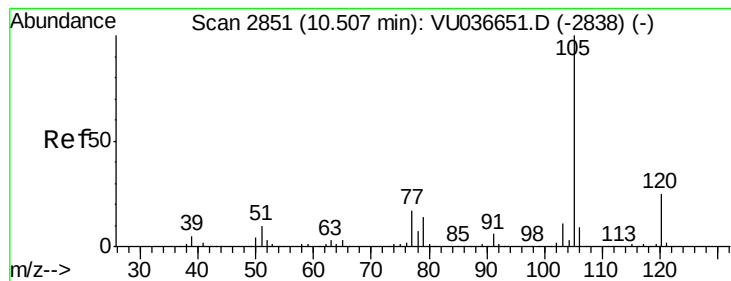
Tgt Ion:104 Resp: 1336714

Ion Ratio Lower Upper

104 100

78 47.9 33.1 61.5





#56

Isopropylbenzene

Concen: 205.838 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

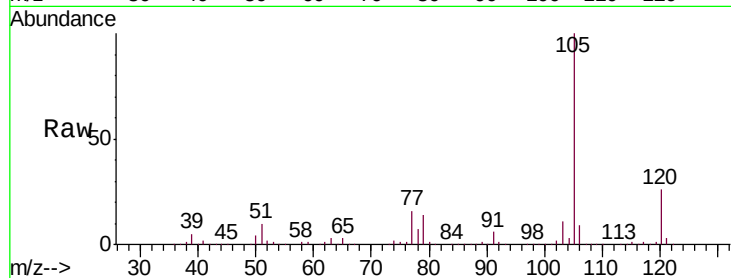
Tgt Ion:105 Resp: 1966301

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.4

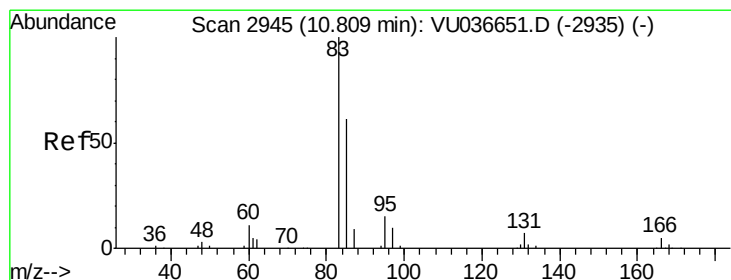
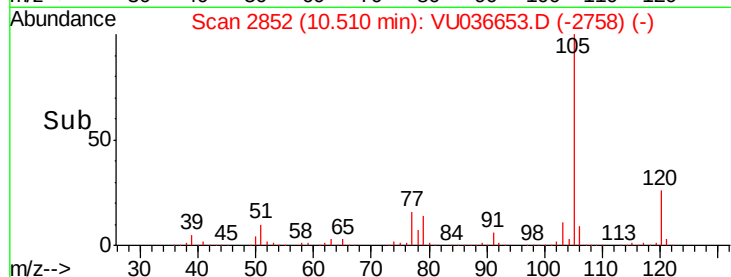
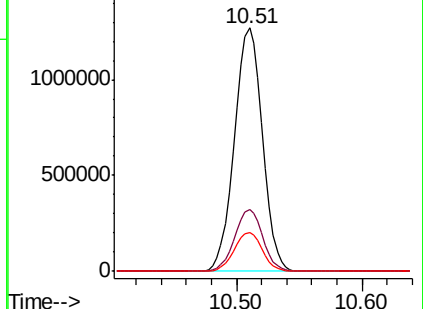
77 16.2 13.0 19.6



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: 215.983 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

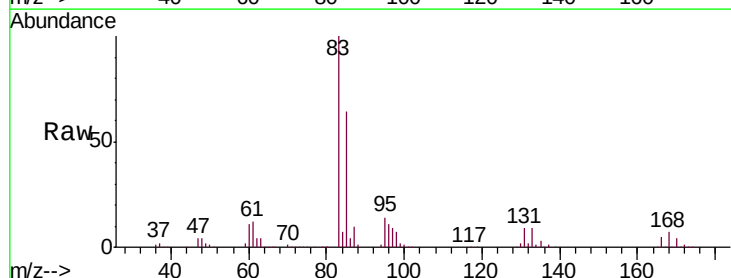
Tgt Ion: 83 Resp: 773545

Ion Ratio Lower Upper

83 100

85 64.0 44.3 82.3

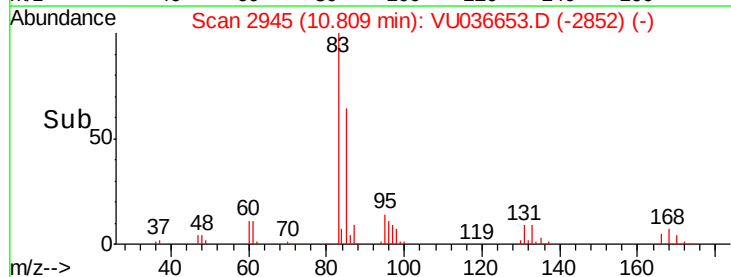
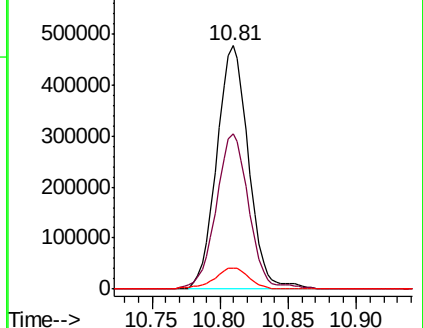
131 8.7 6.8 10.2

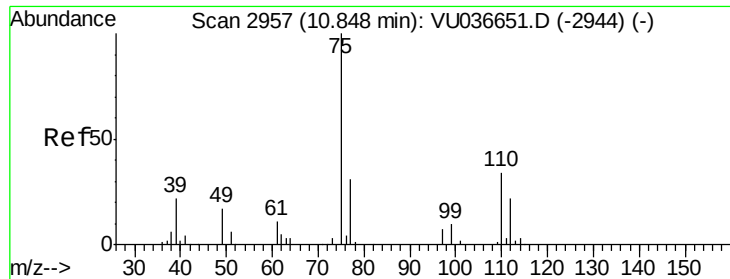


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 216.562 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

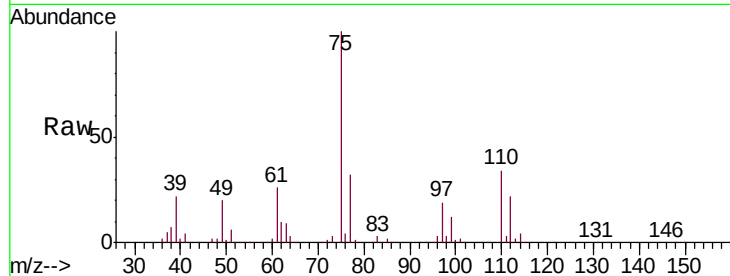
VSTD20034

Tgt Ion: 75 Resp: 611688

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU036653.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036653.D (-2944) (-)

10.85

400000

300000

200000

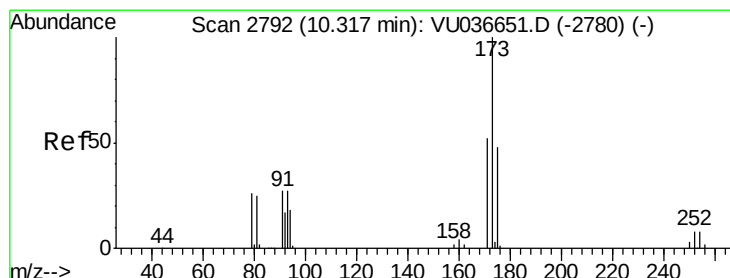
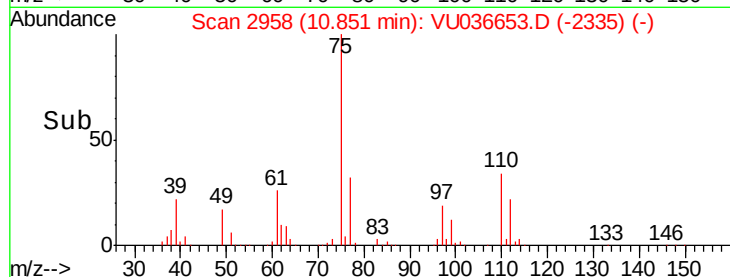
100000

0

10.80

10.90

Time-->



#61

Bromoform

Concen: 194.685 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

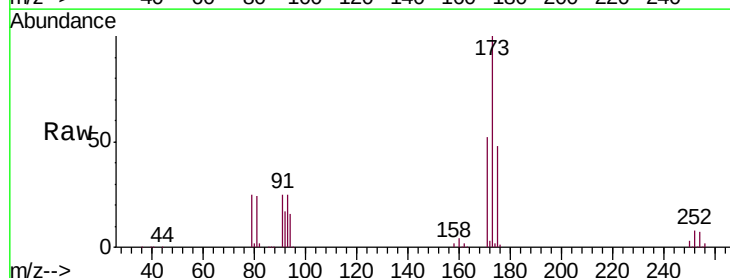
Tgt Ion: 173 Resp: 330717

Ion Ratio Lower Upper

173 100

175 48.2 38.6 58.0

254 6.9 6.0 9.0



Abundance Ion 173.00 (172.70 to 173.70): VU036653.D (-2699) (-)

Ion 175.00 (174.70 to 175.70): VU036653.D (-2699) (-)

Ion 254.00 (253.70 to 254.70): VU036653.D (-2699) (-)

10.32

250000

200000

150000

100000

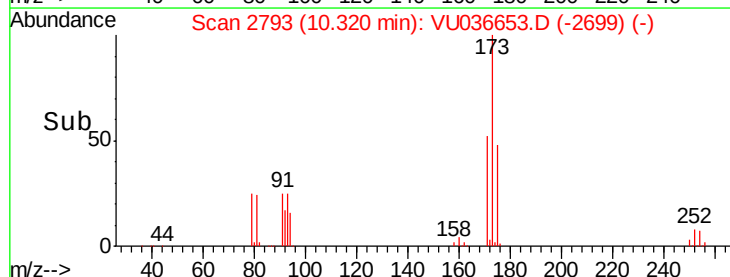
50000

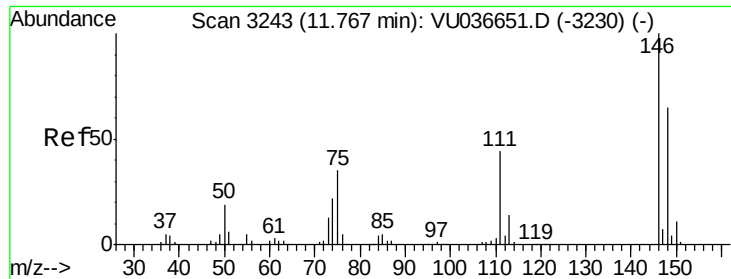
0

10.30

10.40

Time-->





#62

1,3-Dichlorobenzene

Concen: 196.072 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

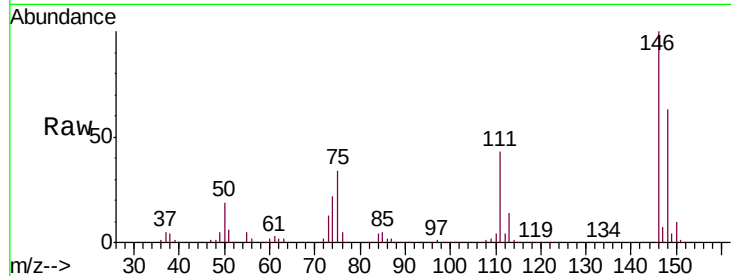
Tgt Ion:146 Resp: 858453

Ion Ratio Lower Upper

146 100

111 43.4 30.6 56.8

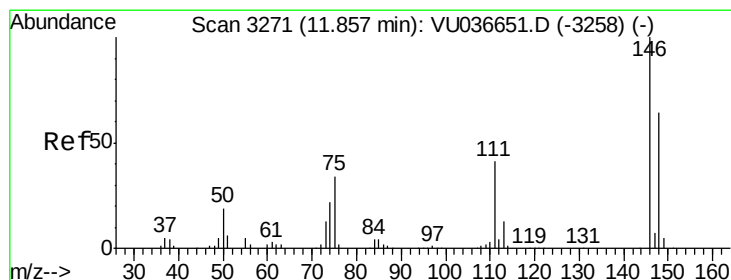
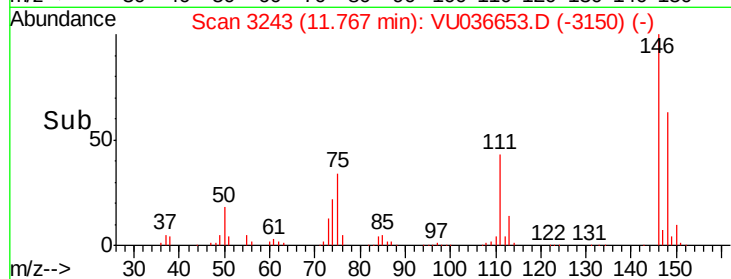
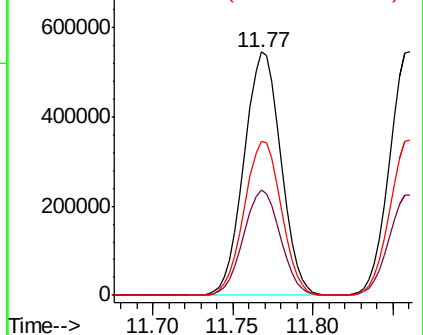
148 63.4 45.1 83.9



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



#63

1,4-Dichlorobenzene

Concen: 196.439 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

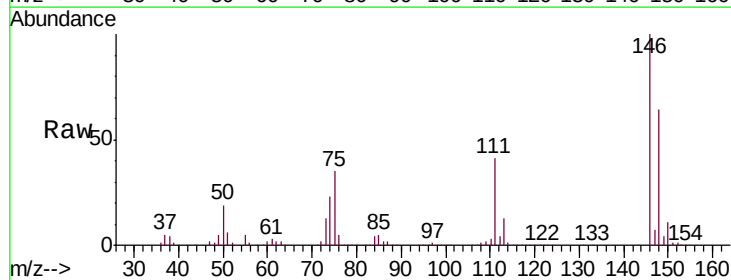
Tgt Ion:146 Resp: 847736

Ion Ratio Lower Upper

146 100

111 41.2 29.0 53.8

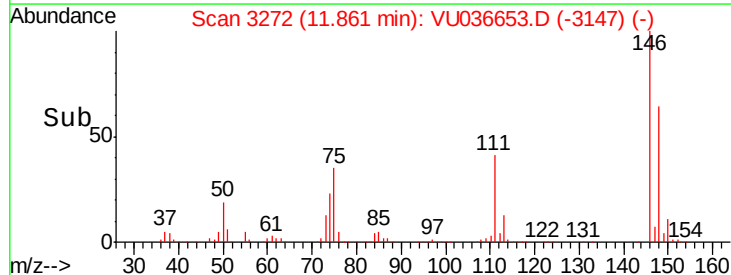
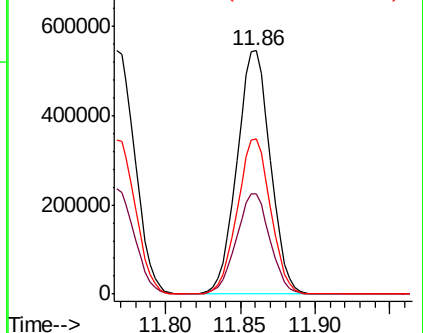
148 63.7 45.1 83.7

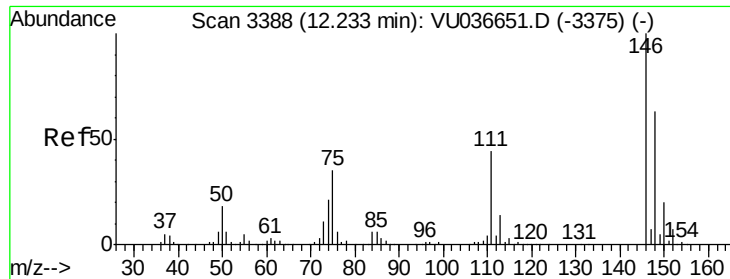


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

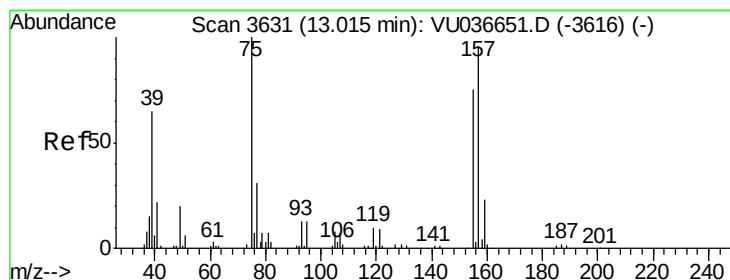
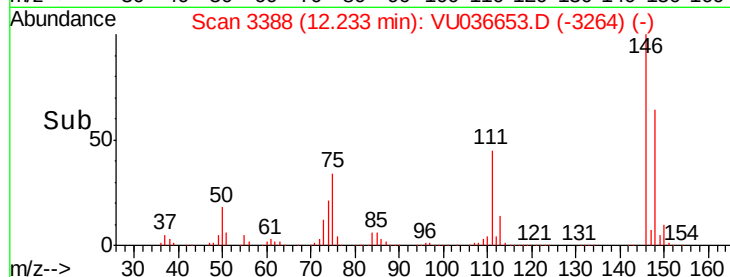
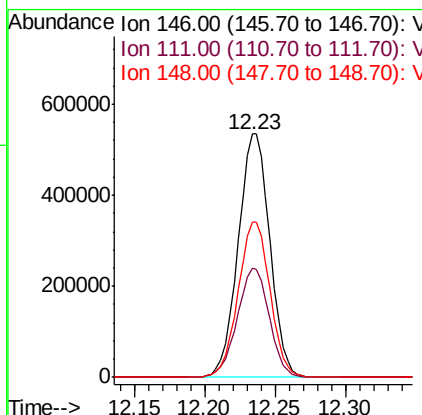
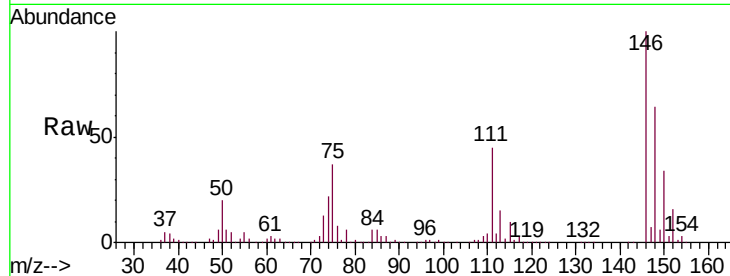




#65
 1,2-Dichlorobenzene
 Concen: 189.868 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

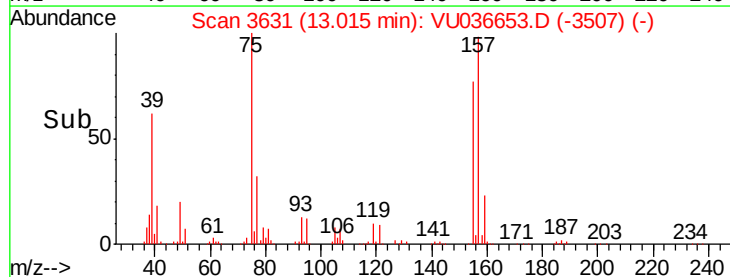
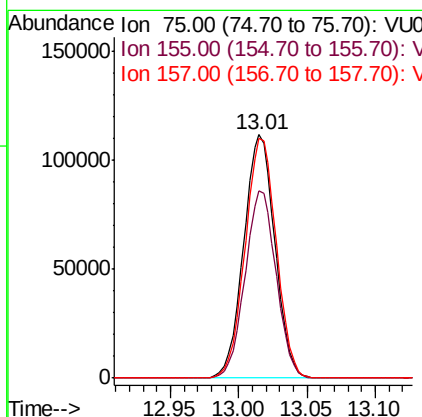
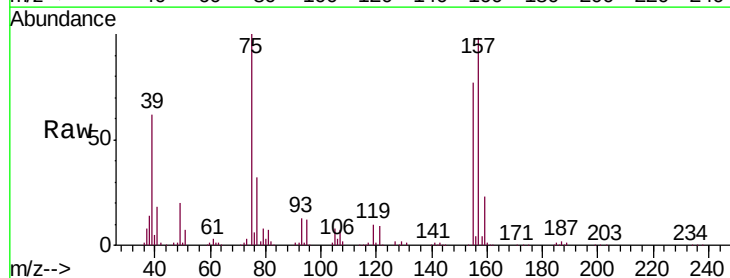
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

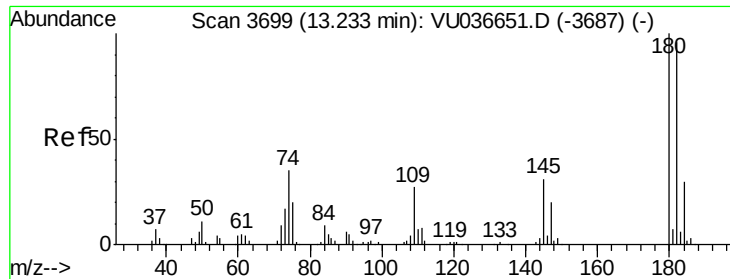
Tgt Ion: 146 Resp: 842222
 Ion Ratio Lower Upper
 146 100
 111 45.0 35.6 53.4
 148 63.8 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 239.152 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

Tgt Ion: 75 Resp: 176657
 Ion Ratio Lower Upper
 75 100
 155 76.9 60.2 90.4
 157 98.4 76.7 115.1

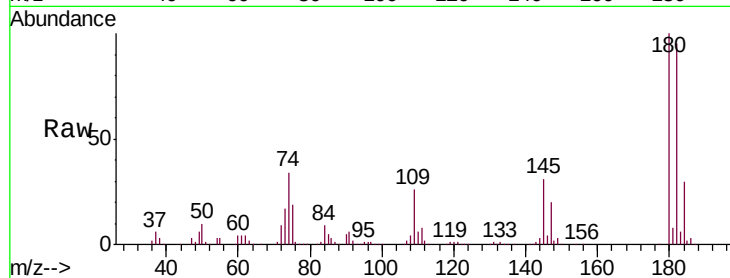




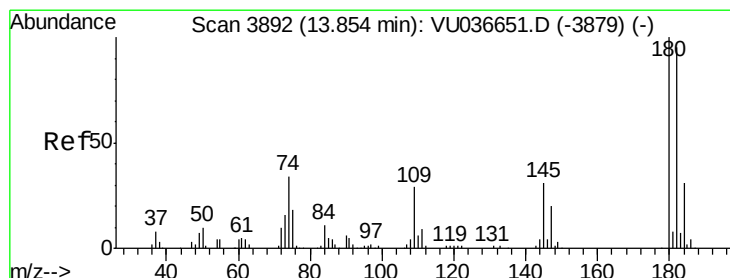
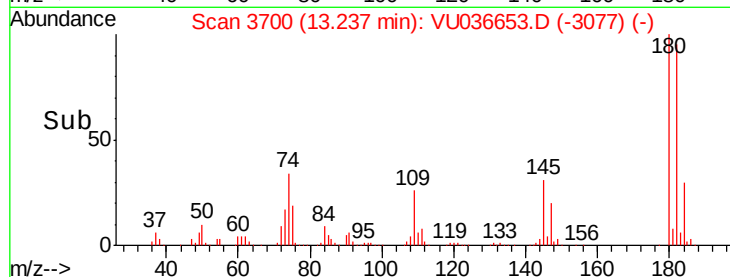
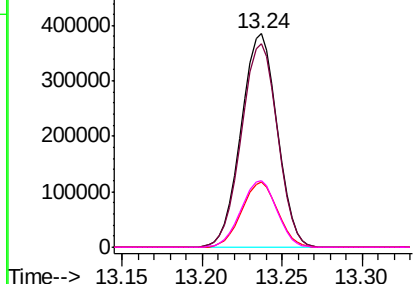
#67
 1,3,5-Trichlorobenzene
 Concen: 198.348 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

Tgt Ion:180 Resp: 592344
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.4
 184 30.2 24.0 36.0
 145 30.9 24.7 37.1

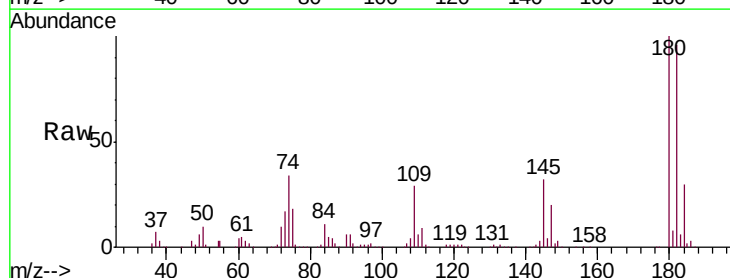


Abundance Ion 180.00 (179.70 to 180.70): V
 600000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

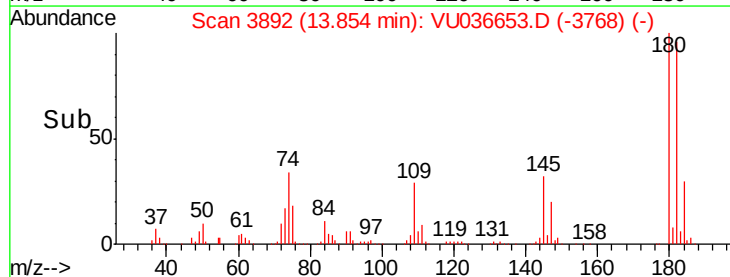
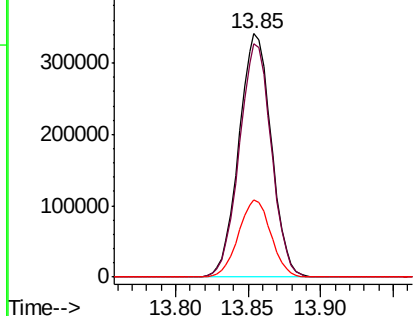


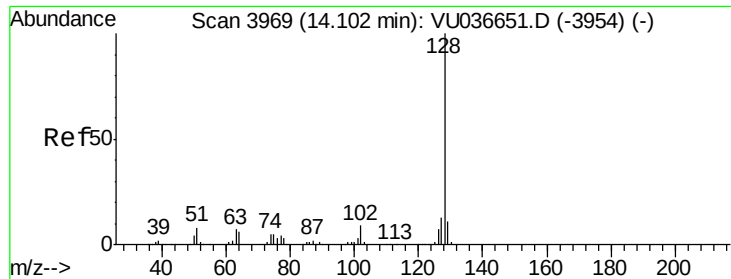
#68
 1,2,4-trichlorobenzene
 Concen: 243.092 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036653.D
 Acq: 31 Jan 2020 19:40

Tgt Ion:180 Resp: 529152
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.2 112.8
 145 31.7 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V
 400000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 290.718 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

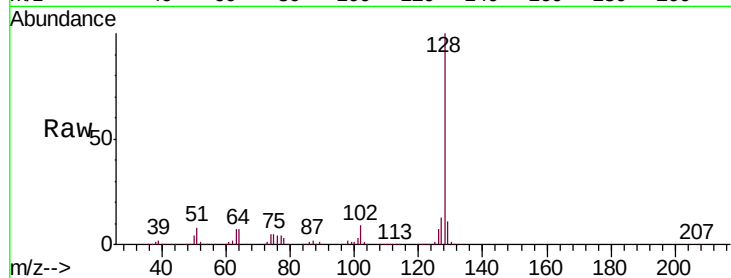
Tgt Ion:128 Resp: 1967964

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

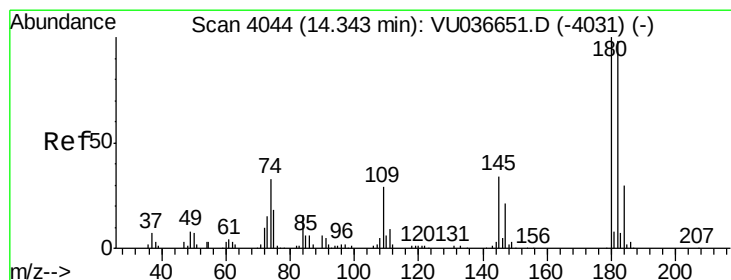
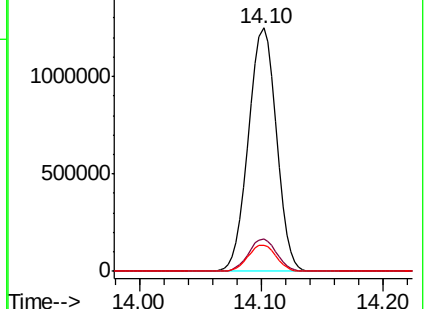
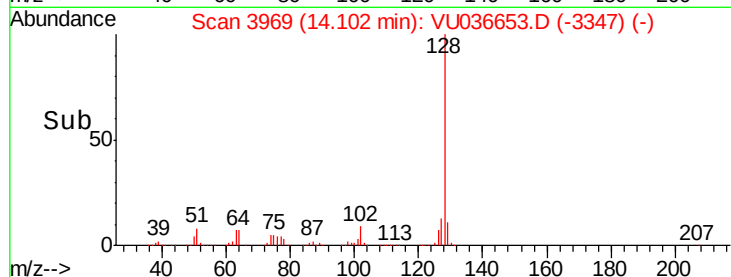
129 10.9 8.5 12.7



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: 231.581 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036653.D

Acq: 31 Jan 2020 19:40

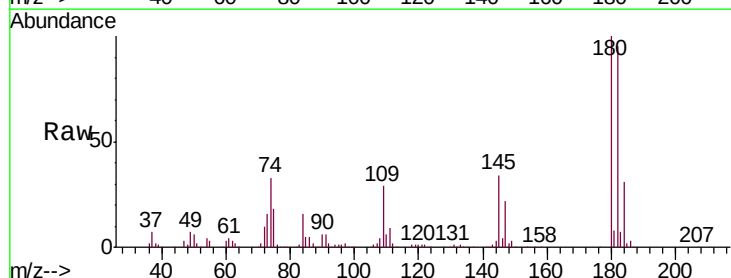
Tgt Ion:180 Resp: 520705

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.0

145 33.7 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

