

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
 Data File : VU039635.D
 Acq On : 23 Jul 2020 12:41
 Operator : SY/MD
 Sample : VSTD20034
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

Quant Time: Jul 23 12:57:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 12:34:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	252434	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	259179	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	151950	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	272019	189.71	ug/L	0.00
7) Chloroethane-d5	1.92	69	390353	316.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	590325	190.50	ug/L	0.00
21) 2-Butanone-d5	4.65	46	648901	446.49	ug/L	0.00
24) Chloroform-d	5.08	84	660756	211.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	443830	209.43	ug/L	0.00
32) Benzene-d6	5.75	84	1263190	199.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	408350	206.33	ug/L	0.00
41) Toluene-d8	7.91	98	1271389	220.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	229436	230.30	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	505422	471.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	698830	232.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	601005	219.58	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	287080	148.528	ug/L	100
3) Chloromethane	1.53	50	277049	146.666	ug/L	97
5) Vinyl chloride	1.61	62	292642	147.887	ug/L	99
6) Bromomethane	1.87	94	262489	236.654	ug/L	99
8) Chloroethane	1.94	64	318839	251.840	ug/L	98
9) Trichlorofluoromethane	2.14	101	517266	180.149	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	255217	160.385	ug/L	98
12) 1,1-Dichloroethene	2.59	96	241728	156.066	ug/L	96
13) Acetone	2.65	43	361644	320.053	ug/L	100
14) Carbon disulfide	2.81	76	771116	153.641	ug/L	100
15) Methyl Acetate	2.96	43	368928	160.984	ug/L	98
16) Methylene chloride	3.06	84	281531	152.428	ug/L	95
17) trans-1,2-Dichloroethene	3.37	96	269481	157.058	ug/L	96
18) Methyl tert-butyl Ether	3.38	73	891377	160.381	ug/L	99
19) 1,1-Dichloroethane	3.89	63	511661	155.777	ug/L	98
20) cis-1,2-Dichloroethene	4.69	96	306376	160.221	ug/L	93
22) 2-Butanone	4.73	43	583632	338.571	ug/L	99
23) Bromochloromethane	5.00	128	156473	164.588	ug/L	98
25) Chloroform	5.11	83	554146	165.476	ug/L	100
27) 1,2-Dichloroethane	5.81	62	467509	169.883	ug/L	99
29) Cyclohexane	5.41	56	489679	166.951	ug/L	98
30) 1,1,1-Trichloroethane	5.34	97	507766	165.858	ug/L	99
31) Carbon tetrachloride	5.54	117	454531	178.031	ug/L	97
33) Benzene	5.79	78	1209106	159.344	ug/L	100
34) Trichloroethene	6.56	95	330427	169.248	ug/L	98
35) Methylcyclohexane	6.78	83	515063	174.927	ug/L	98
37) 1,2-Dichloropropane	6.81	63	318372	160.261	ug/L	99
38) Bromodichloromethane	7.12	83	449907	174.982	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	515678	168.458	ug/L	99
40) 4-Methyl-2-pentanone	7.81	43	1179194	368.732	ug/L	98

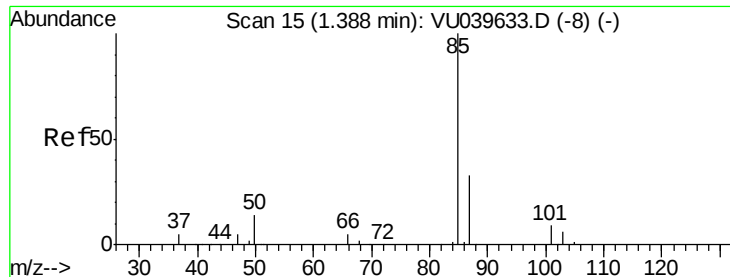
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	1367808	170.782	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	535876	181.718	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	323702	169.428	ug/L	97
46) Tetrachloroethene	8.56	164	270787	192.755	ug/L	96
48) 2-Hexanone	8.70	43	953533	360.390	ug/L	98
49) Dibromochloromethane	8.82	129	403018	201.453	ug/L	99
50) 1,2-Dibromoethane	8.93	107	372182	179.775	ug/L	100
51) Chlorobenzene	9.45	112	898194	175.111	ug/L	96
52) Ethylbenzene	9.57	91	1561271	176.525	ug/L	98
53) m,p-Xylene	9.70	106	595322	176.293	ug/L	95
54) o-xylene	10.10	106	582399	177.312	ug/L	97
55) Styrene	10.12	104	1026781	180.429	ug/L	97
56) Isopropylbenzene	10.48	105	1578561	183.177	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	589953	178.480	ug/L	98
59) 1,2,3-Trichloropropane	10.83	75	487771	173.907	ug/L	99
61) Bromoform	10.29	173	349330	205.820	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	803436	171.588	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	817749	172.888	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	806136	172.288	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	163486	166.974	ug/L	83
67) 1,3,5-Trichlorobenzene	13.21	180	641658	190.196	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	600418	190.540	ug/L	98
69) Naphthalene	14.08	128	1858728	172.286	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	588769	188.264	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 148.528 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

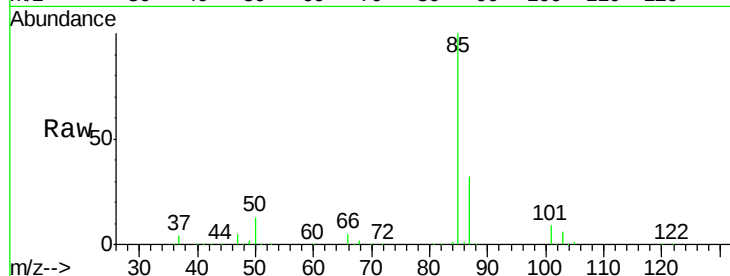
VSTD20034

Tgt Ion: 85 Resp: 287080

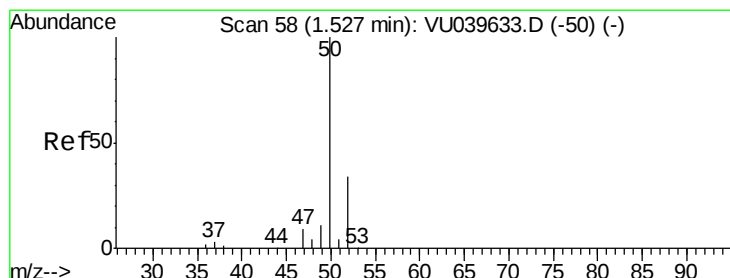
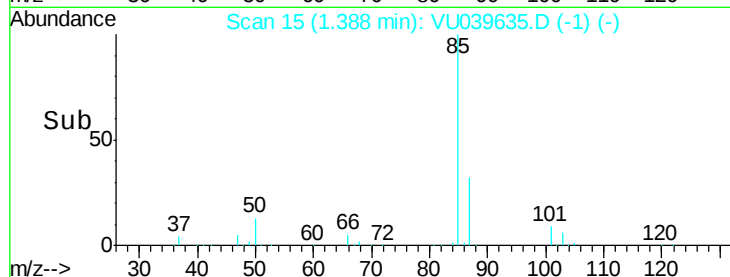
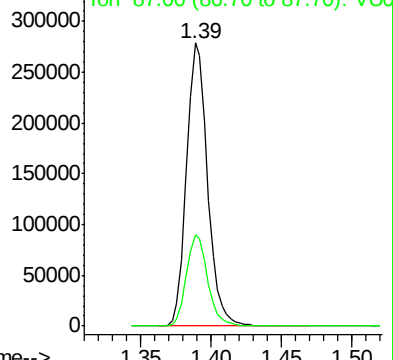
Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU039635.D (-8) (-)



#3

Chloromethane

Concen: 146.666 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039635.D

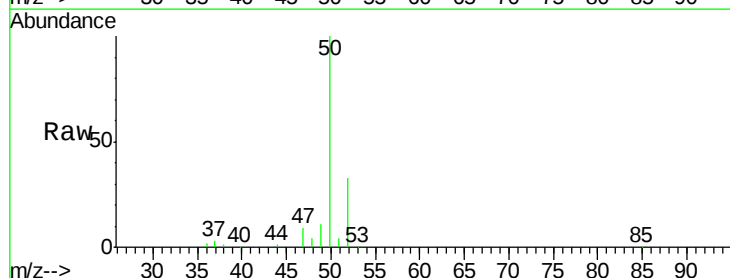
Acq: 23 Jul 2020 12:41

Tgt Ion: 50 Resp: 277049

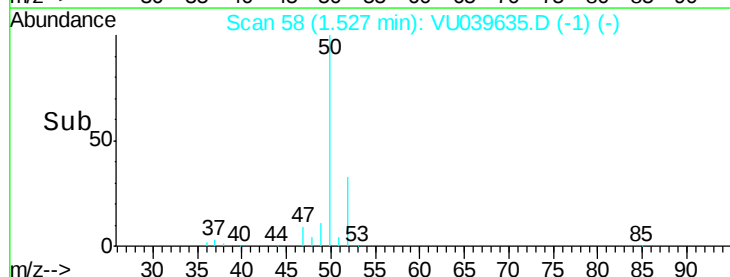
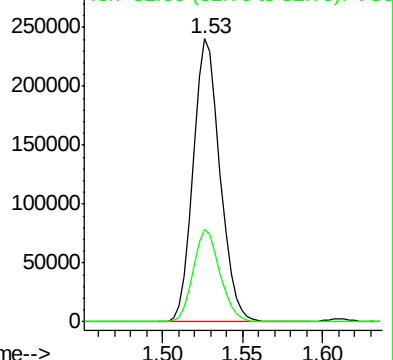
Ion Ratio Lower Upper

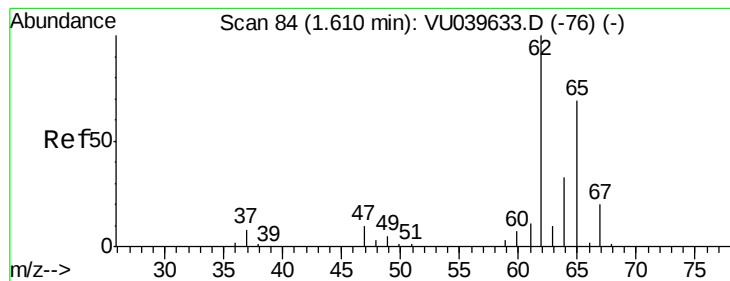
50 100

52 32.6 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039635.D (-50) (-)





#5

Vinyl chloride

Concen: 147.887 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

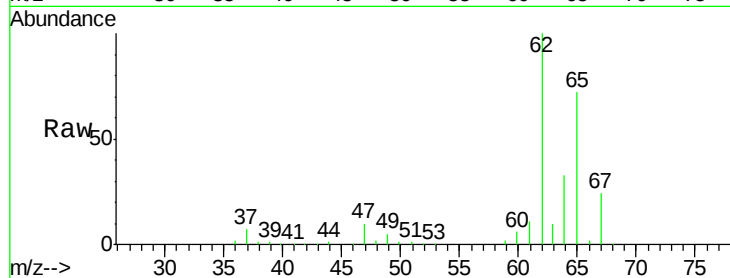
VSTD20034

Tgt Ion: 62 Resp: 292642

Ion Ratio Lower Upper

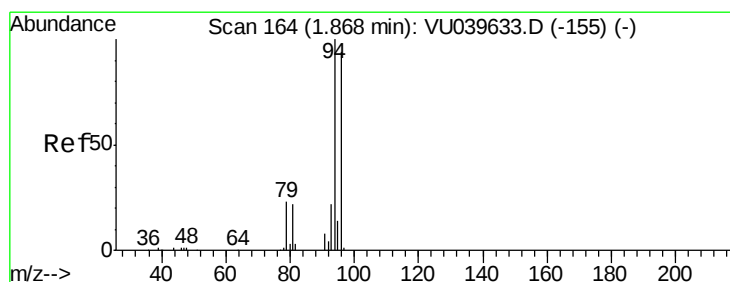
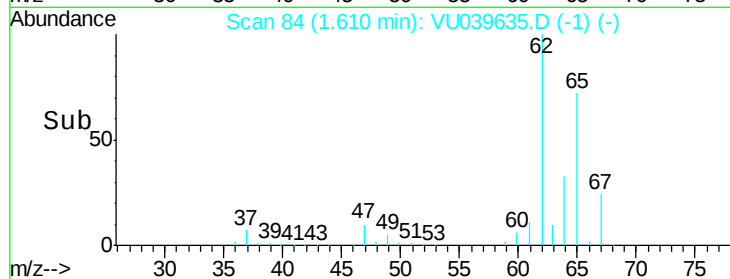
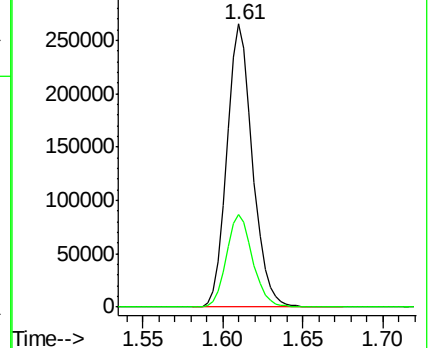
62 100

64 33.0 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU039635.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU039635.D (-76) (-)



#6

Bromomethane

Concen: 236.654 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039635.D

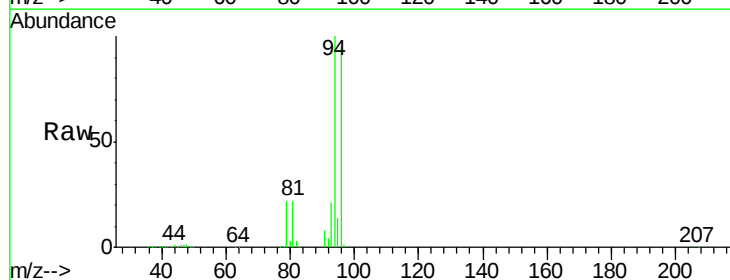
Acq: 23 Jul 2020 12:41

Tgt Ion: 94 Resp: 262489

Ion Ratio Lower Upper

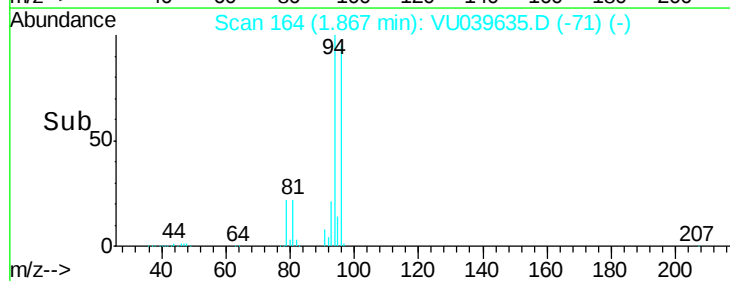
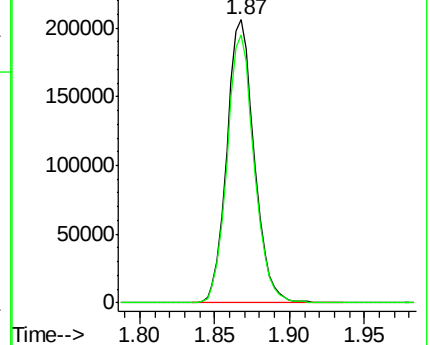
94 100

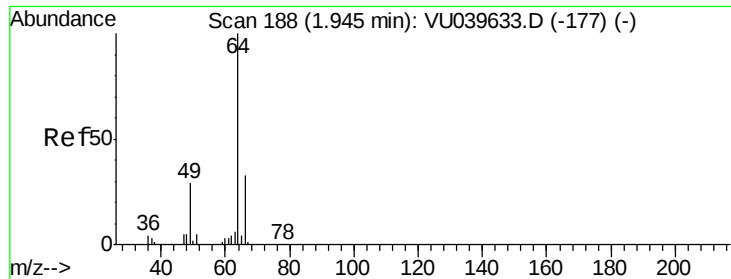
96 94.7 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU039635.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039635.D (-155) (-)





#8

Chloroethane

Concen: 251.840 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

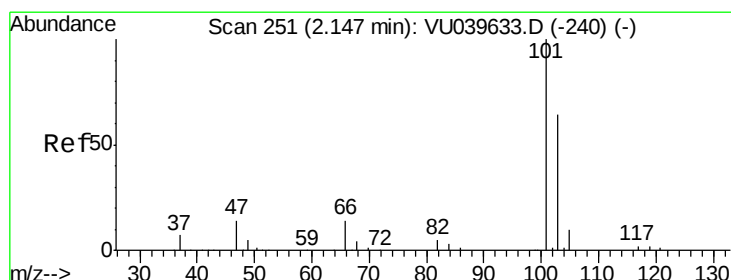
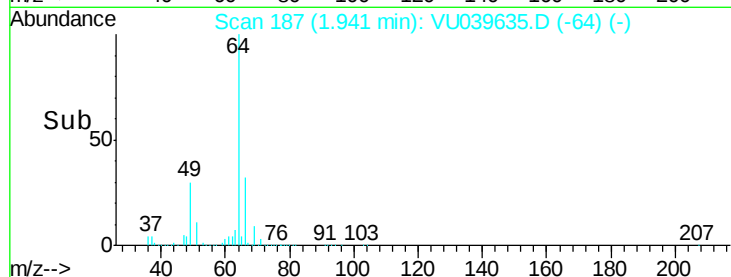
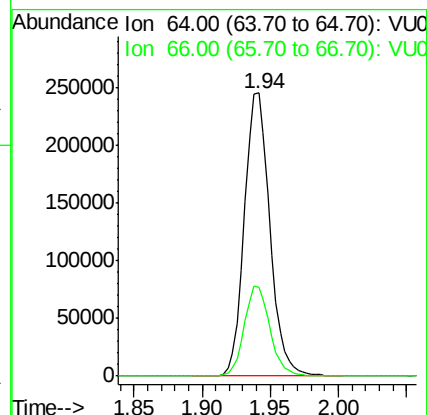
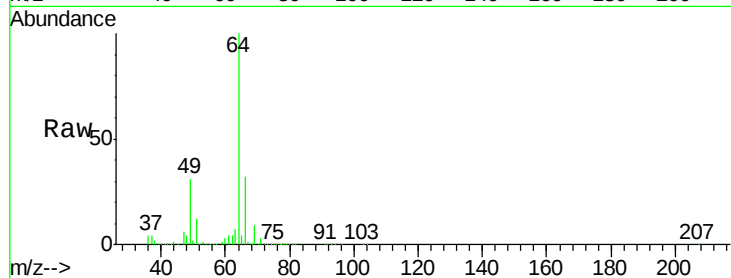
VSTD20034

Tgt Ion: 64 Resp: 318839

Ion Ratio Lower Upper

64 100

66 31.5 22.7 42.1



#9

Trichlorofluoromethane

Concen: 180.149 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.00 min

Lab File: VU039635.D

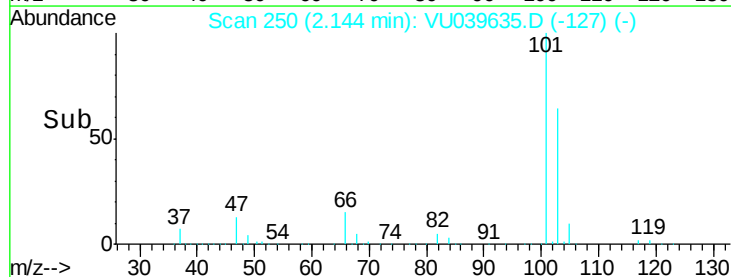
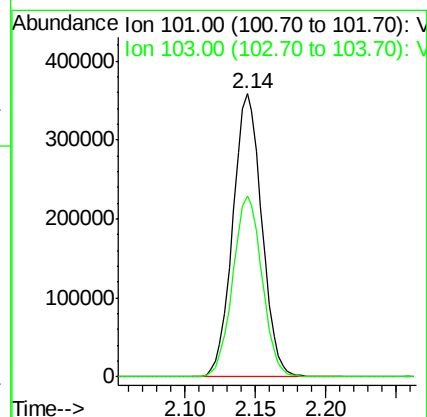
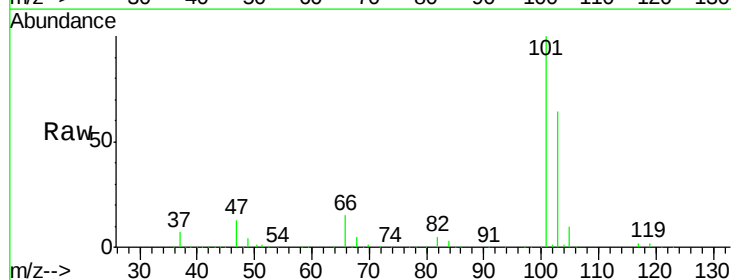
Acq: 23 Jul 2020 12:41

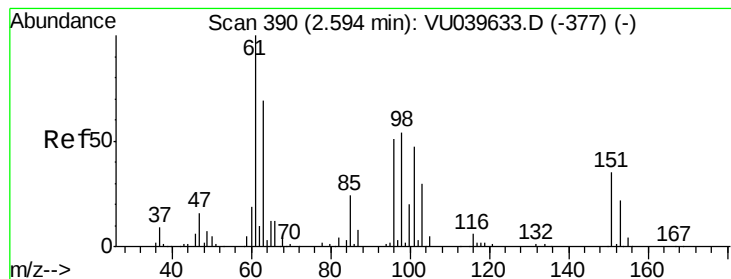
Tgt Ion: 101 Resp: 517266

Ion Ratio Lower Upper

101 100

103 64.4 52.8 79.2





#10

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

Concen: 160.385 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

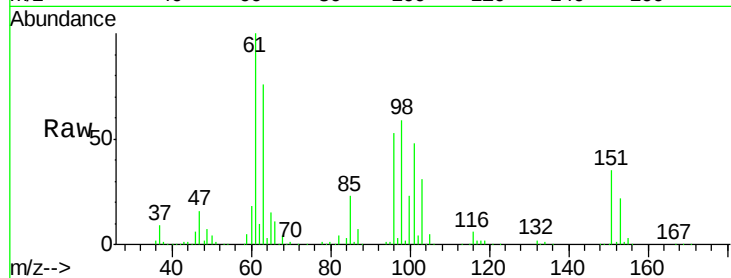
Tgt Ion:101 Resp: 255217

Ion Ratio Lower Upper

101 100

85 47.6 39.7 59.5

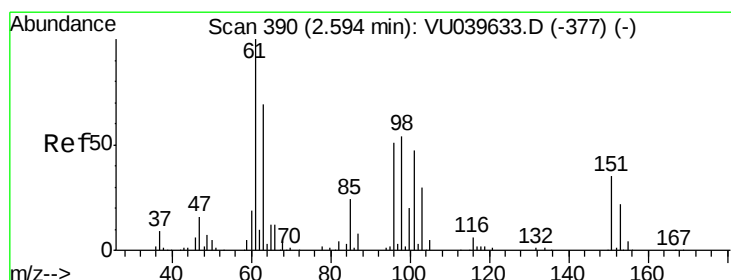
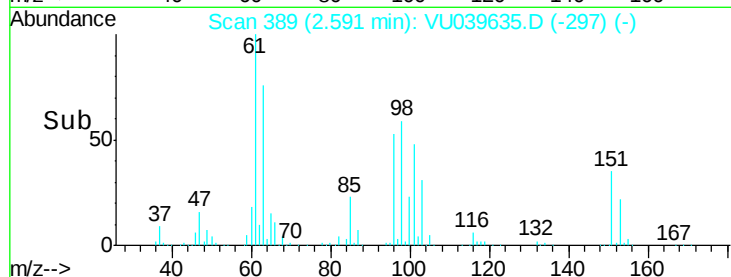
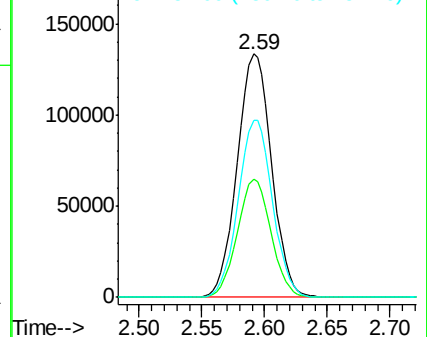
151 72.3 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 156.066 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

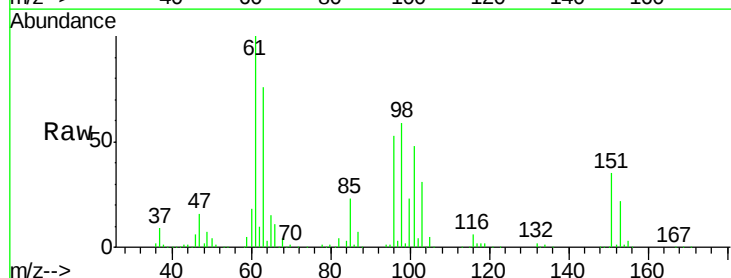
Tgt Ion: 96 Resp: 241728

Ion Ratio Lower Upper

96 100

61 187.3 136.6 253.6

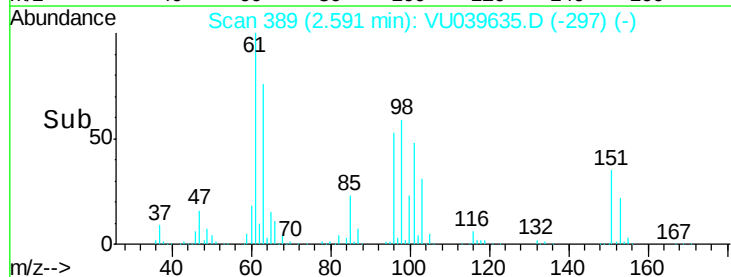
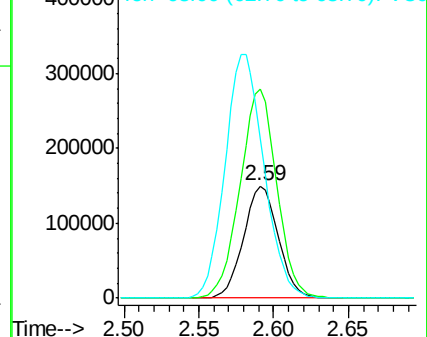
63 142.4 97.2 180.6

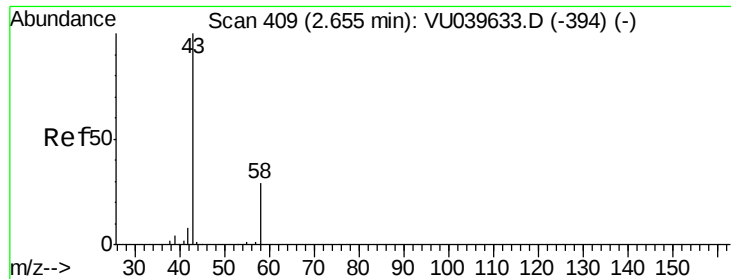


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 320.053 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

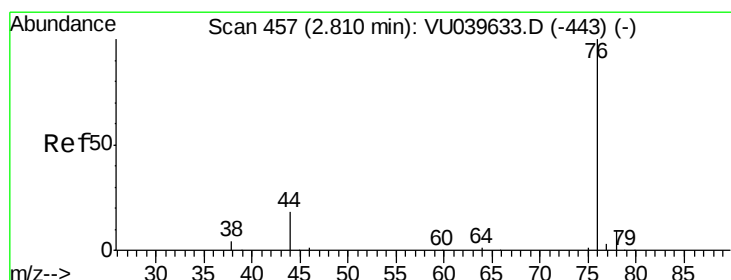
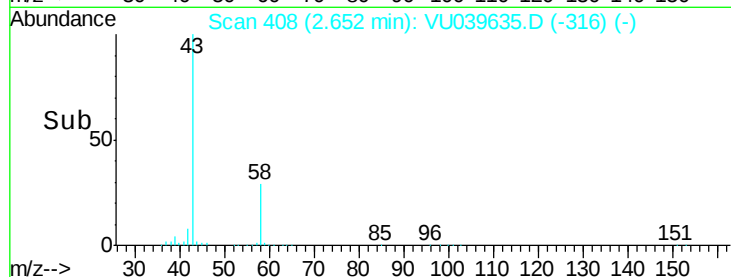
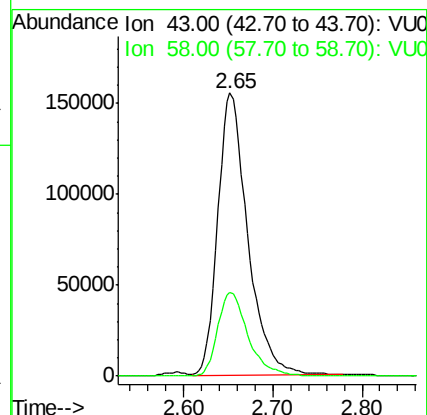
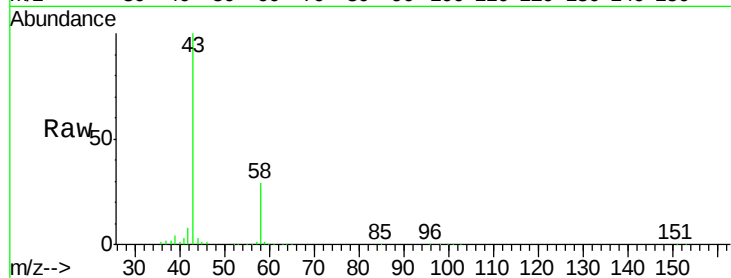
VSTD20034

Tgt Ion: 43 Resp: 361644

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.4



#14

Carbon disulfide

Concen: 153.641 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039635.D

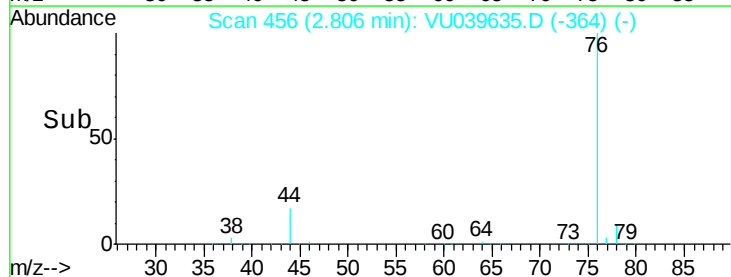
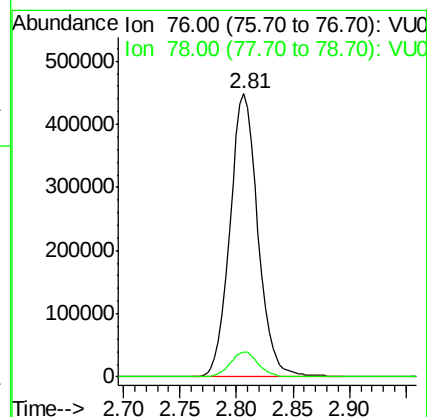
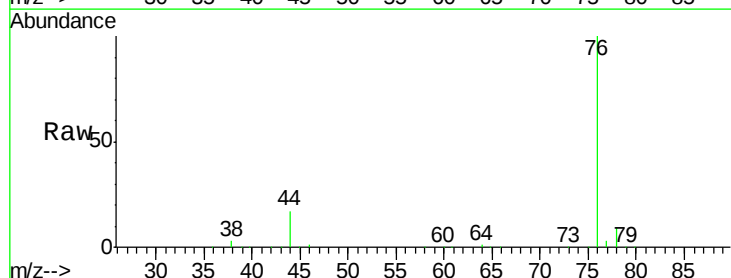
Acq: 23 Jul 2020 12:41

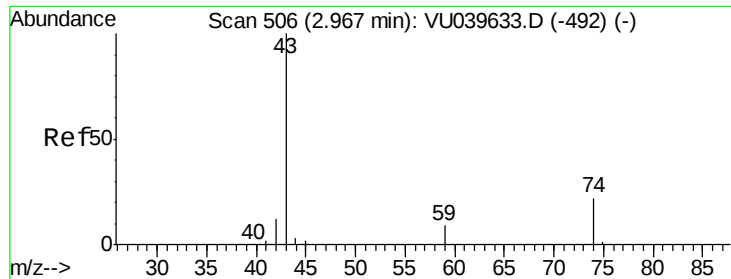
Tgt Ion: 76 Resp: 771116

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

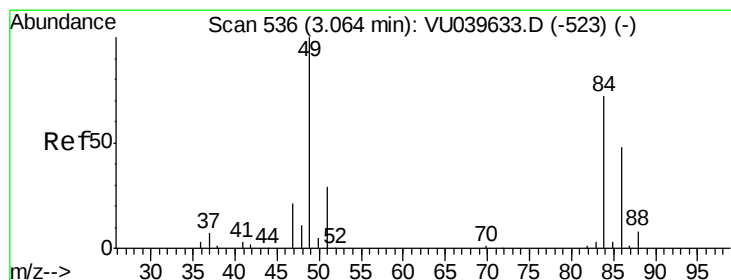
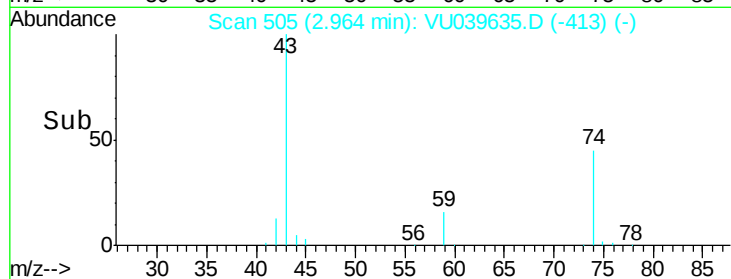
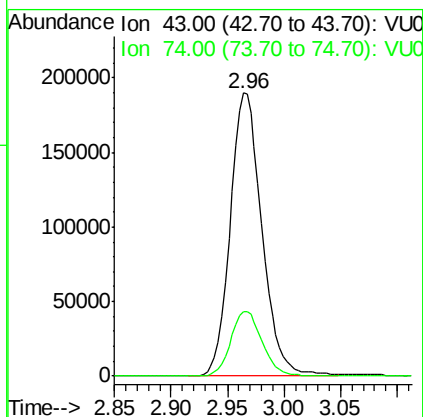
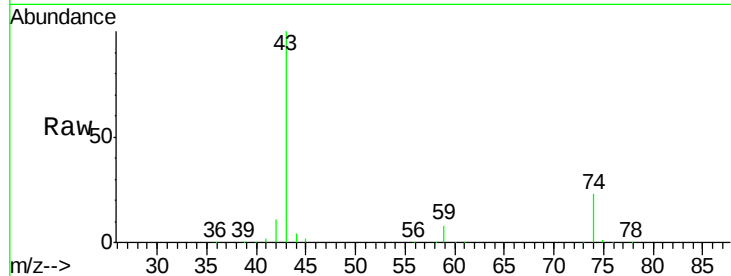




#15
Methyl Acetate
Concen: 160.984 ug/L
RT: 2.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: VU039635.D
Acq: 23 Jul 2020 12:41

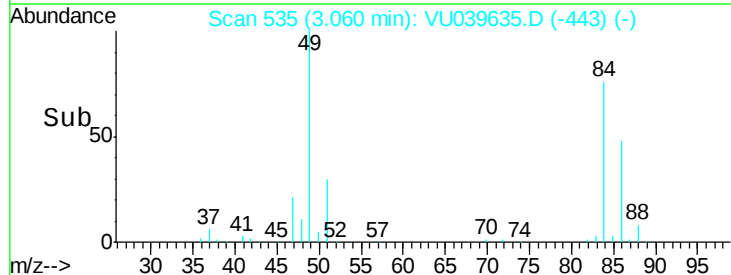
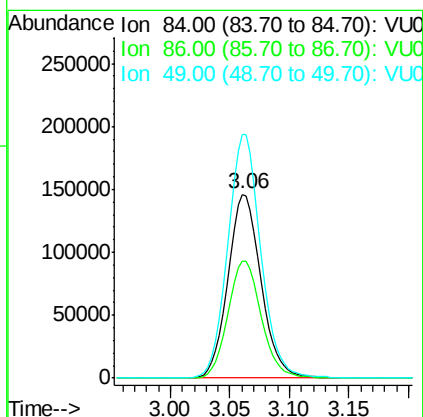
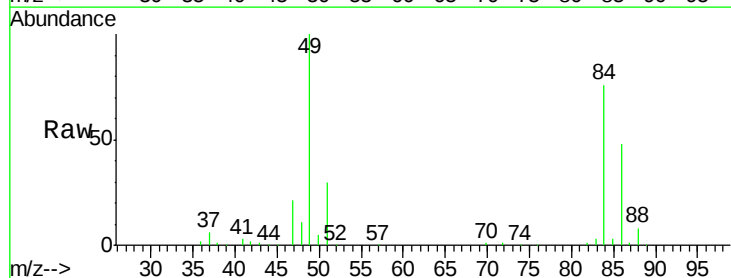
Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

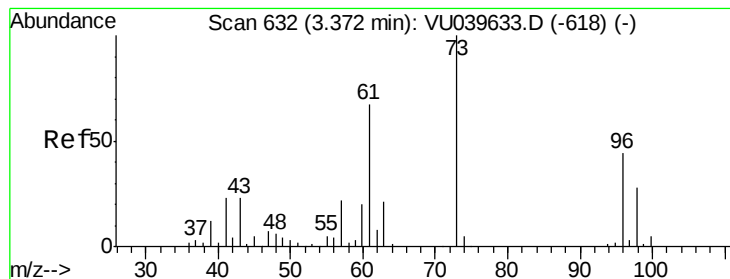
Tgt Ion: 43 Resp: 368928
Ion Ratio Lower Upper
43 100
74 22.8 17.4 26.0



#16
Methylene chloride
Concen: 152.428 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039635.D
Acq: 23 Jul 2020 12:41

Tgt Ion: 84 Resp: 281531
Ion Ratio Lower Upper
84 100
86 63.8 46.2 85.8
49 132.3 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 157.058 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

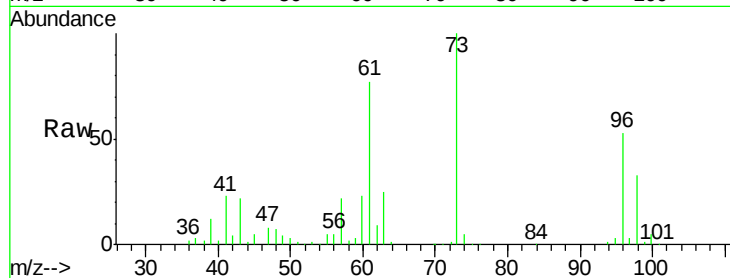
Tgt Ion: 96 Resp: 269481

Ion Ratio Lower Upper

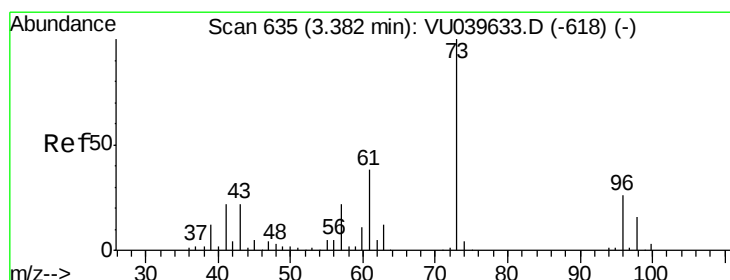
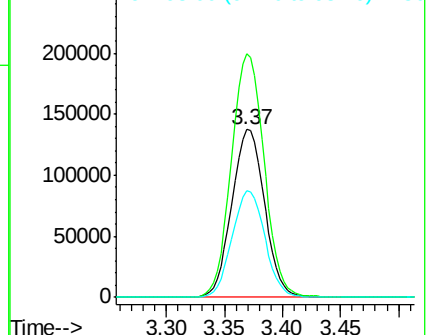
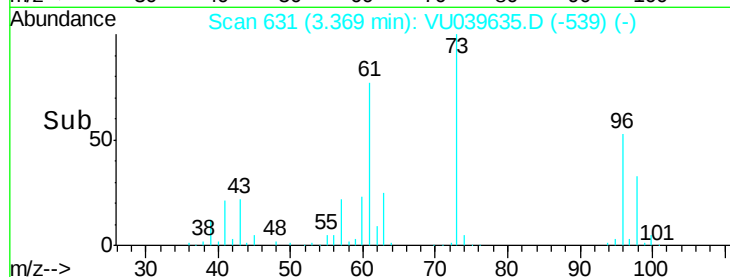
96 100

61 145.3 106.7 198.1

98 63.3 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU039635.D (-539) (-)



#18

Methyl tert-butyl Ether

Concen: 160.381 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

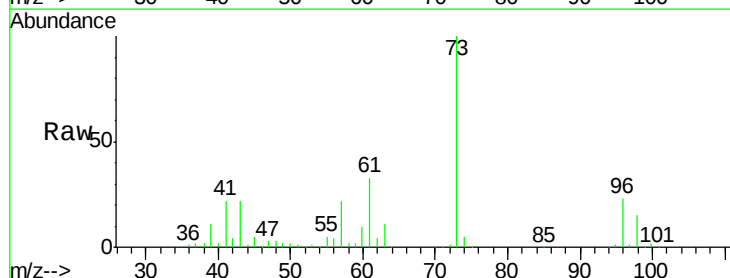
Tgt Ion: 73 Resp: 891377

Ion Ratio Lower Upper

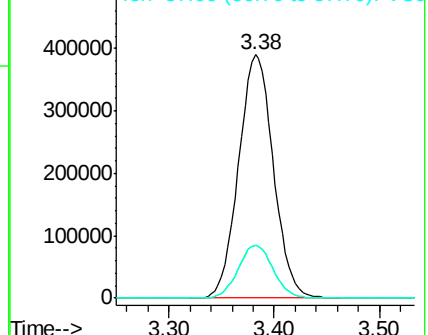
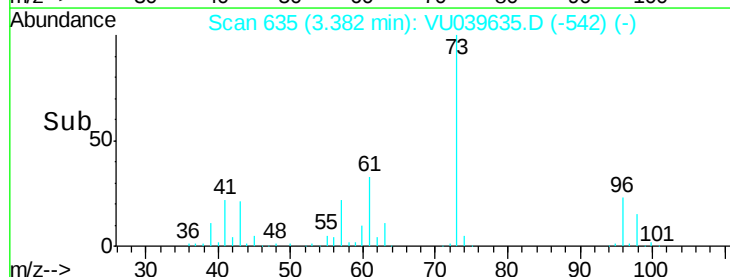
73 100

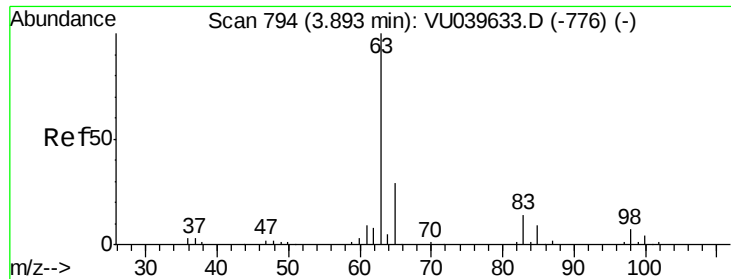
43 21.9 18.2 27.2

57 21.9 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VU039635.D (-542) (-)

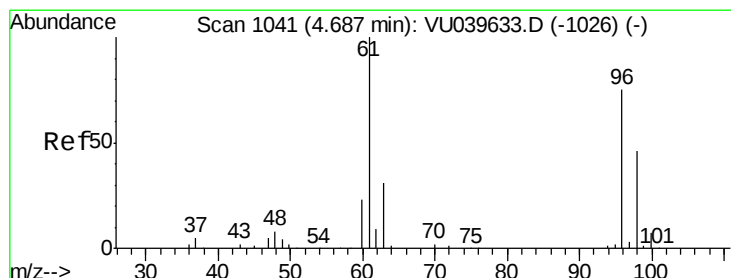
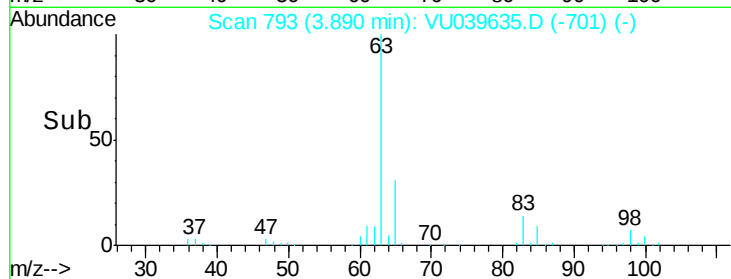
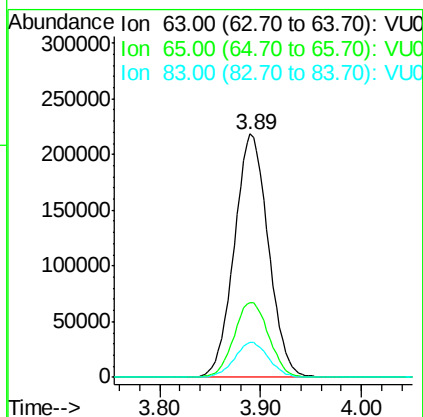
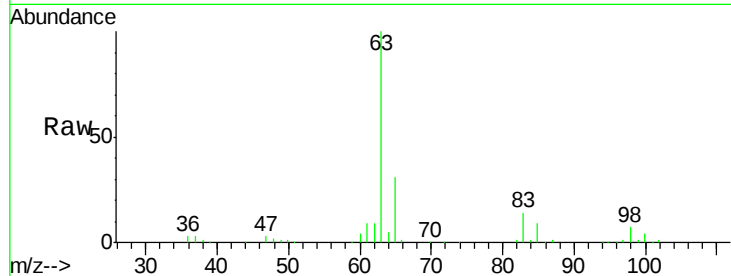




#19
 1,1-Dichloroethane
 Concen: 155.777 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

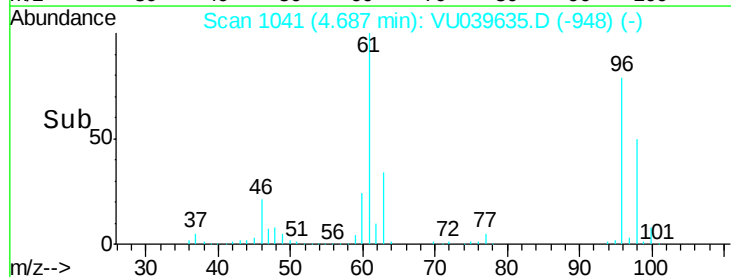
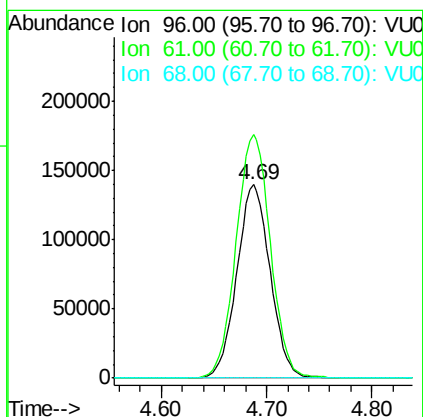
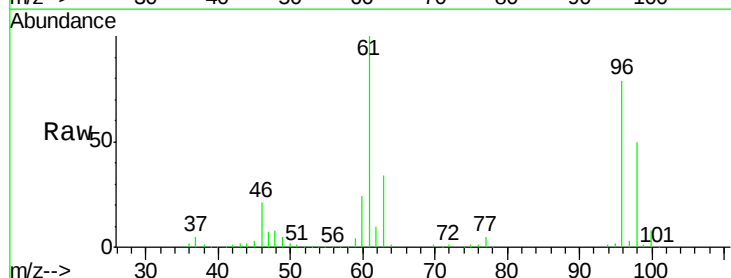
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

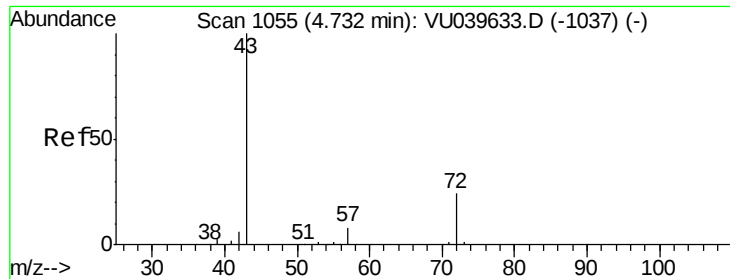
Tgt Ion: 63 Resp: 511661
 Ion Ratio Lower Upper
 63 100
 65 30.8 20.4 38.0
 83 14.4 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 160.221 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

Tgt Ion: 96 Resp: 306376
 Ion Ratio Lower Upper
 96 100
 61 126.0 94.0 174.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 338.571 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampled :

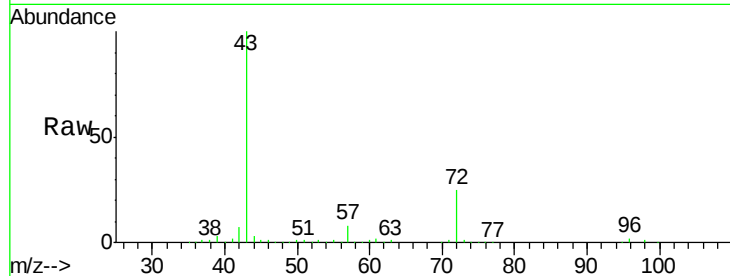
VSTD20034

Tgt Ion: 43 Resp: 583632

Ion Ratio Lower Upper

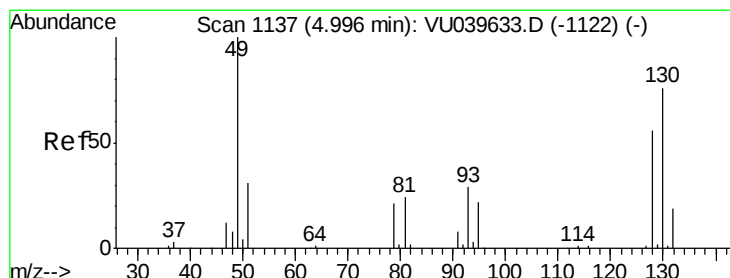
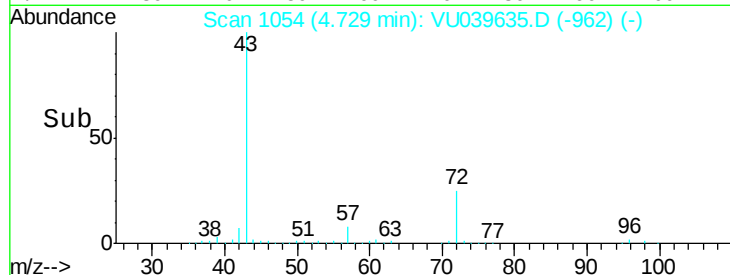
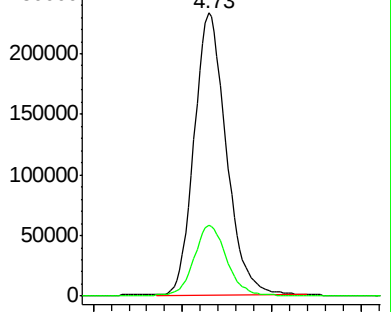
43 100

72 26.0 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VU039635.D (-1037) (-)

Ion 72.00 (71.70 to 72.70): VU039635.D (-1037) (-)



#23

Bromochloromethane

Concen: 164.588 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Tgt Ion: 128 Resp: 156473

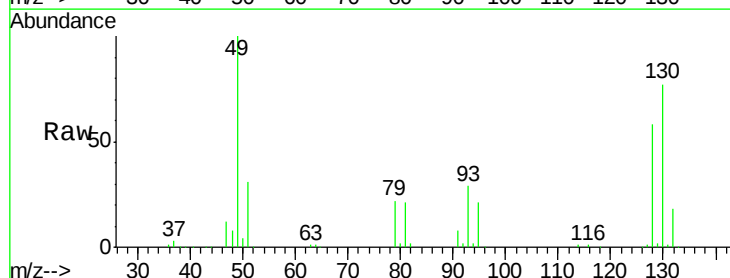
Ion Ratio Lower Upper

128 100

49 173.8 124.5 231.3

130 134.1 94.4 175.2

51 54.5 43.5 65.3

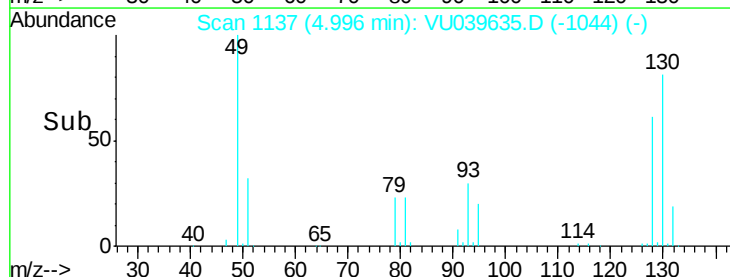
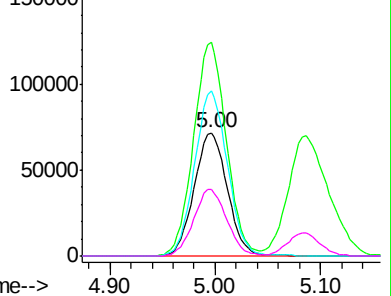


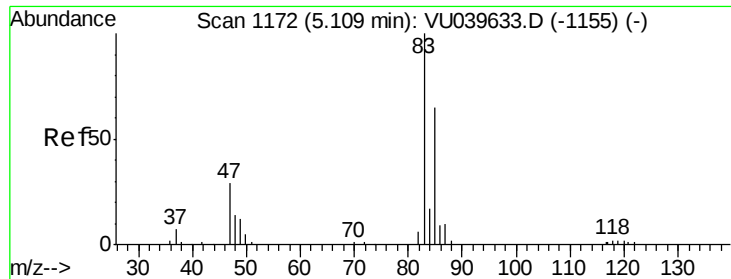
Abundance Ion 128.00 (127.70 to 128.70): VU039635.D (-1122) (-)

Ion 49.00 (48.70 to 49.70): VU039635.D (-1122) (-)

Ion 130.00 (129.70 to 130.70): VU039635.D (-1122) (-)

Ion 51.00 (50.70 to 51.70): VU039635.D (-1122) (-)

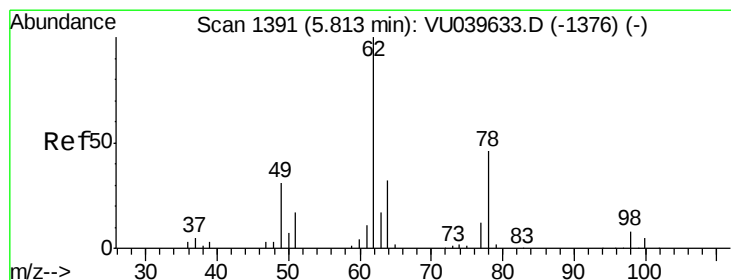
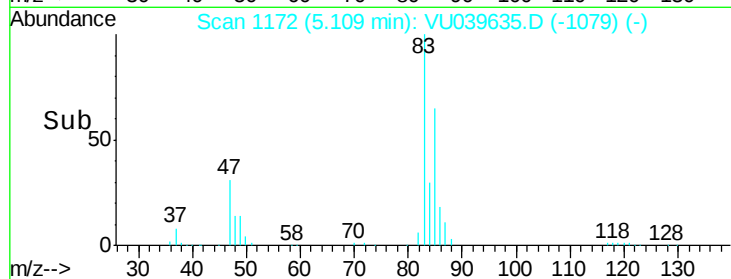
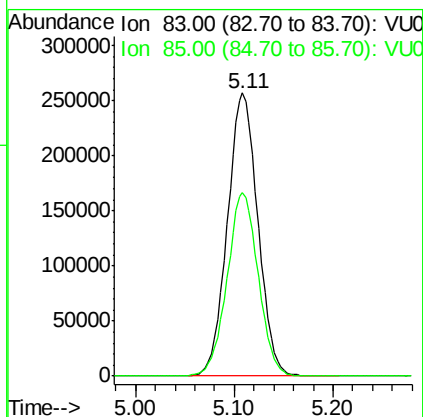
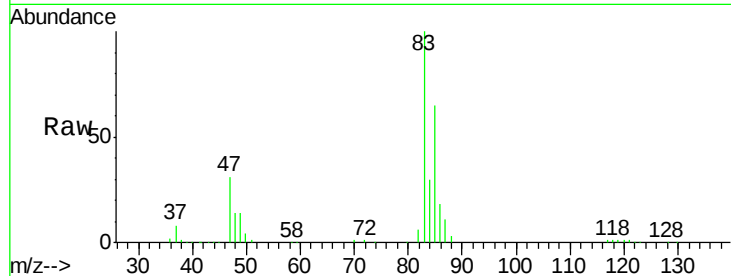




#25
Chloroform
Concen: 165.476 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039635.D
Acq: 23 Jul 2020 12:41

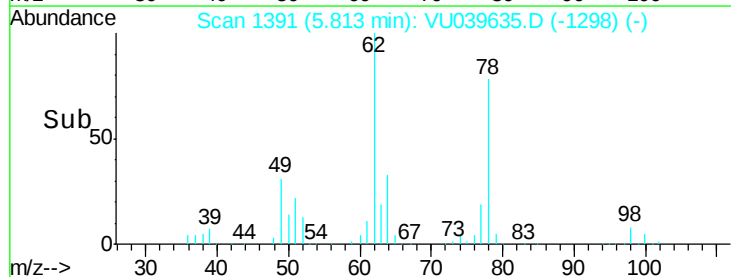
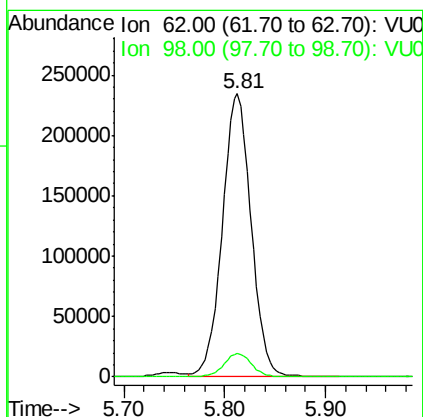
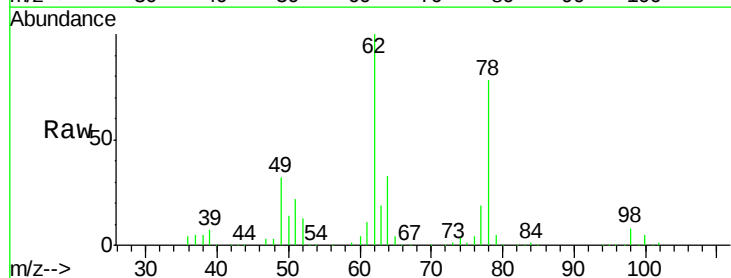
Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

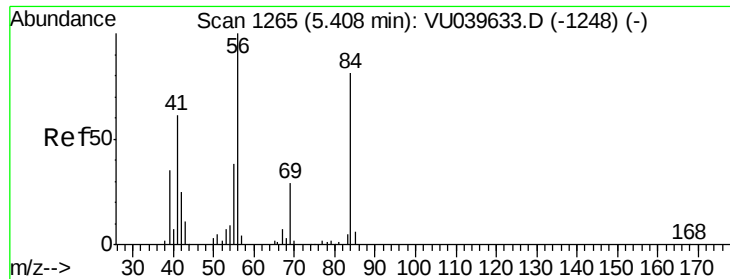
Tgt Ion: 83 Resp: 554146
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 169.883 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039635.D
Acq: 23 Jul 2020 12:41

Tgt Ion: 62 Resp: 467509
Ion Ratio Lower Upper
62 100
98 8.3 6.4 9.6

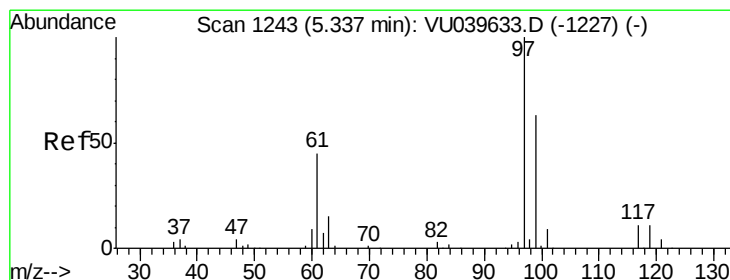
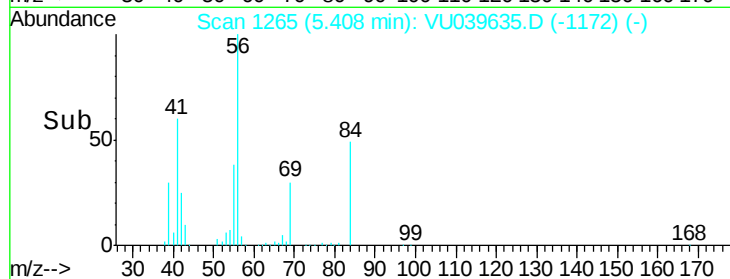
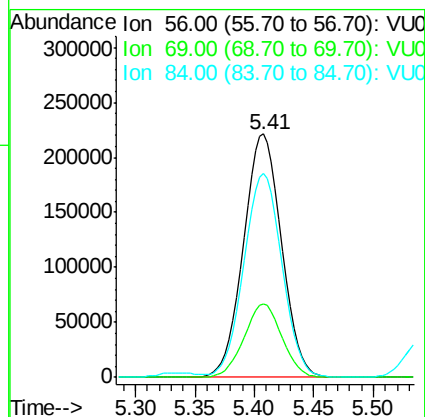
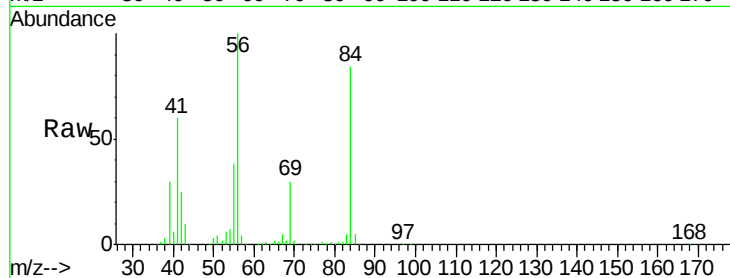




#29
Cyclohexane
Concen: 166.951 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039635.D
Acq: 23 Jul 2020 12:41

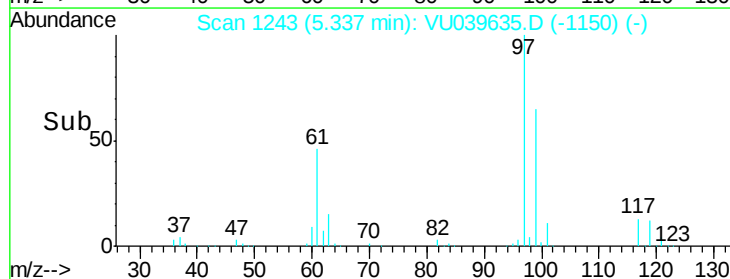
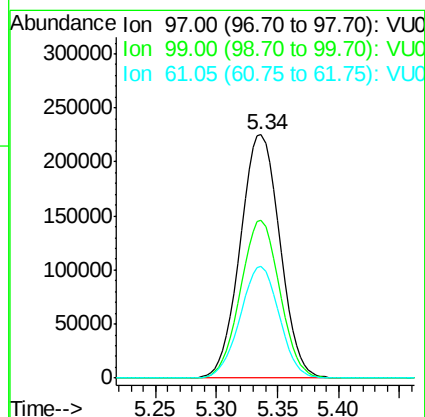
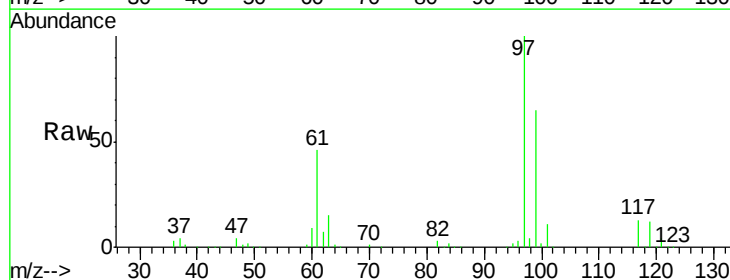
Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

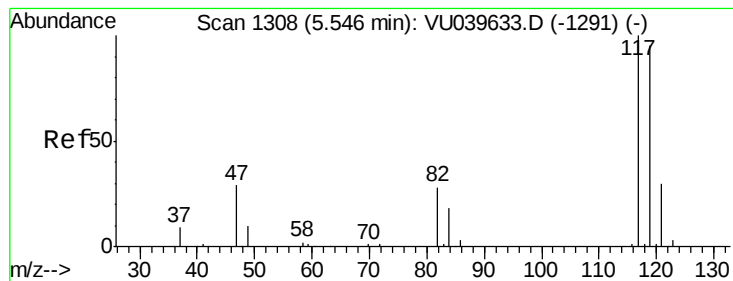
Tgt Ion: 56 Resp: 489679
Ion Ratio Lower Upper
56 100
69 30.1 23.9 35.9
84 84.4 65.8 98.8



#30
1,1,1-Trichloroethane
Concen: 165.858 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039635.D
Acq: 23 Jul 2020 12:41

Tgt Ion: 97 Resp: 507766
Ion Ratio Lower Upper
97 100
99 64.4 50.3 75.5
61 45.2 36.0 54.0





#31

Carbon tetrachloride

Concen: 178.031 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

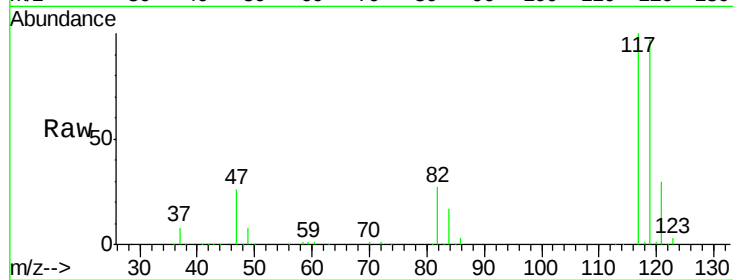
VSTD20034

Tgt Ion:117 Resp: 454531

Ion Ratio Lower Upper

117 100

119 95.2 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

250000

200000

150000

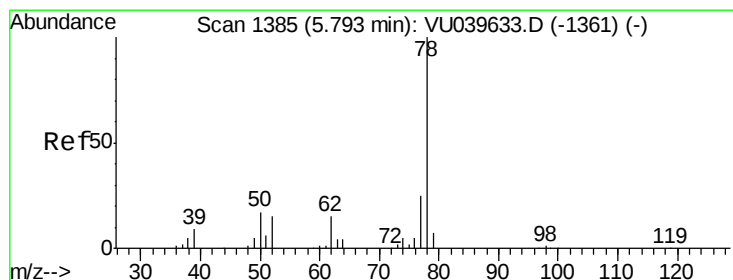
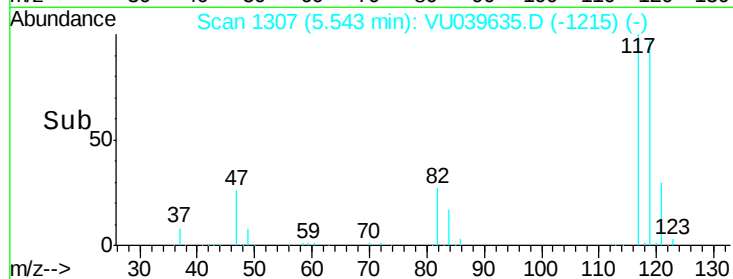
100000

50000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 159.344 ug/L

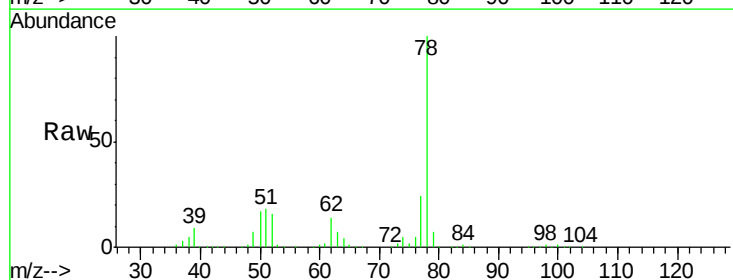
RT: 5.79 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Tgt Ion: 78 Resp: 1209106



Abundance Ion 78.00 (77.70 to 78.70): VU0

600000

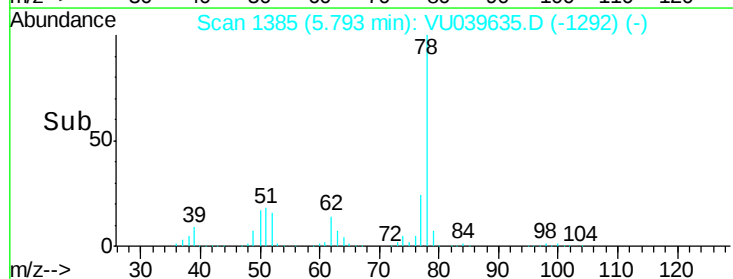
400000

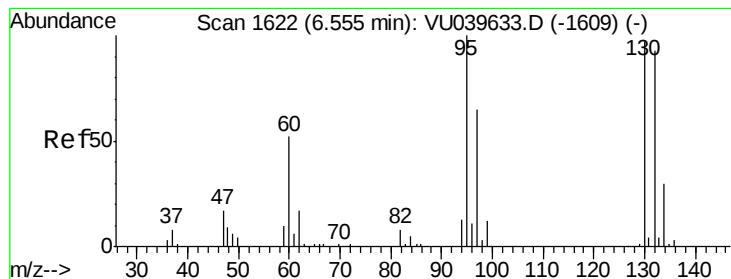
200000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 169.248 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

Tgt Ion: 95 Resp: 330427

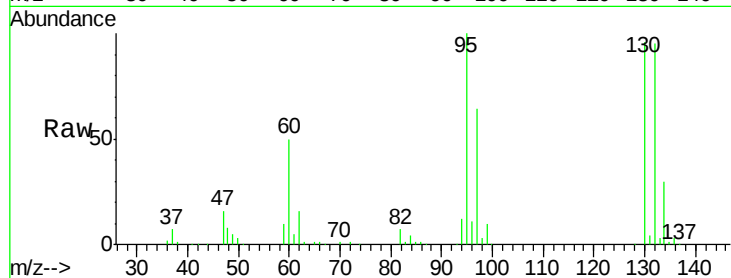
Ion Ratio Lower Upper

95 100

97 64.2 45.5 84.5

132 95.1 65.0 120.6

130 95.8 67.9 126.1

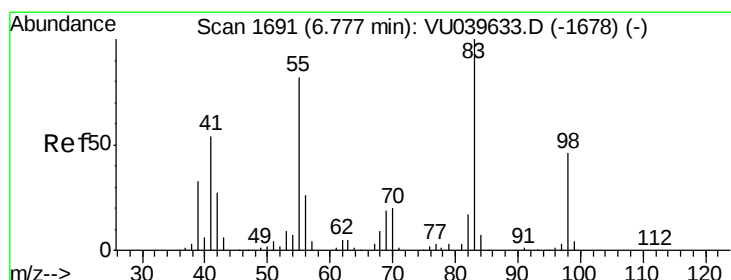
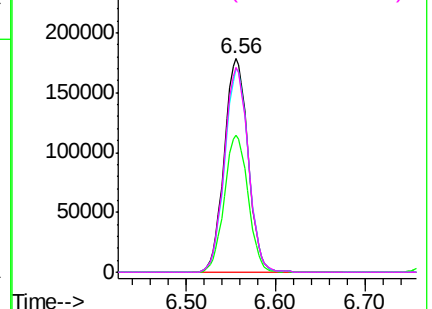
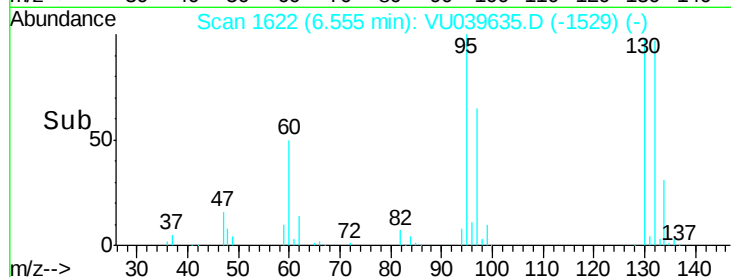


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 174.927 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

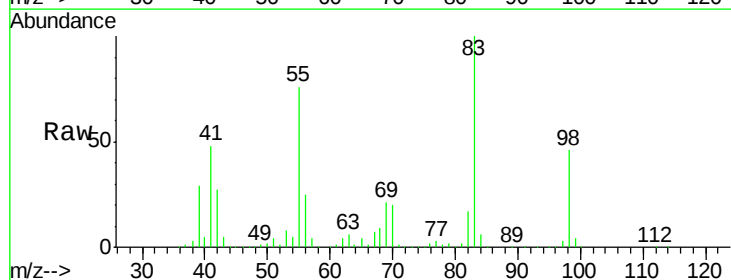
Tgt Ion: 83 Resp: 515063

Ion Ratio Lower Upper

83 100

55 76.7 62.9 94.3

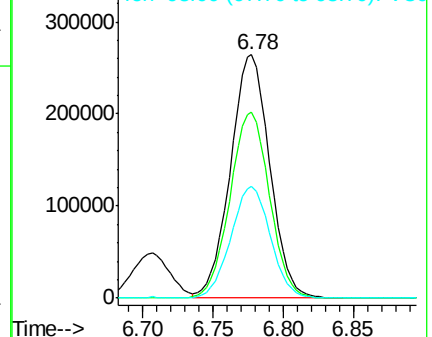
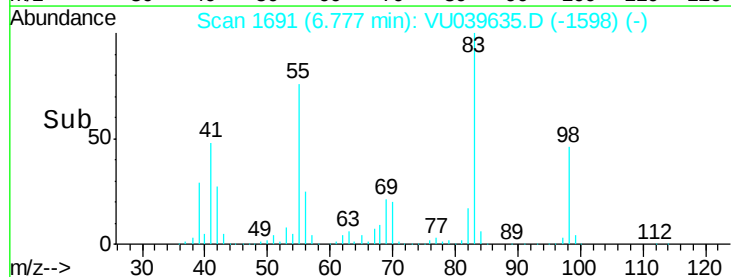
98 46.3 36.3 54.5

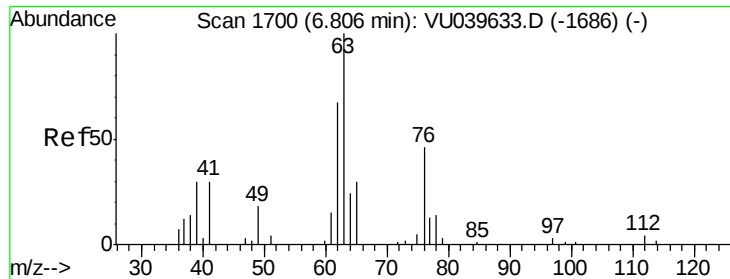


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

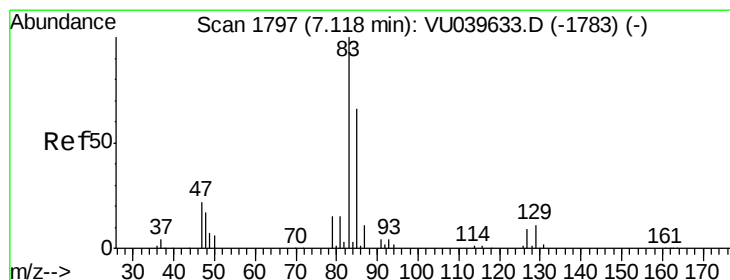
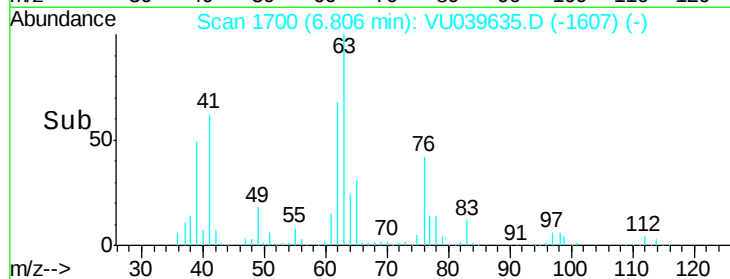
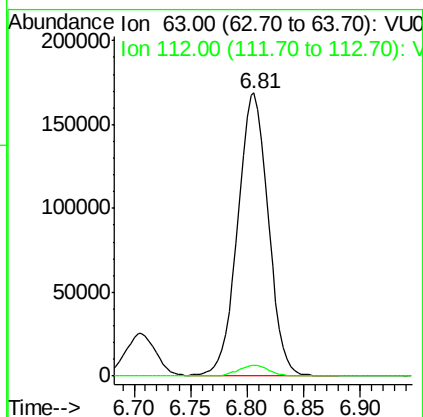
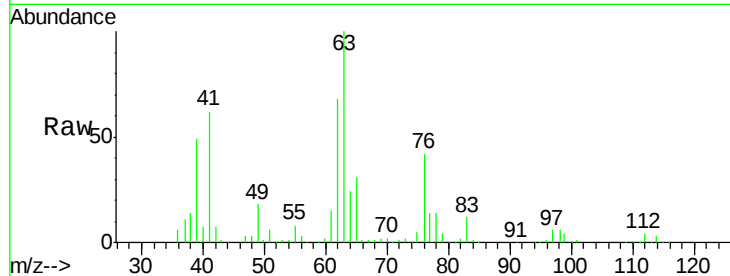




#37
 1,2-Dichloropropane
 Concen: 160.261 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

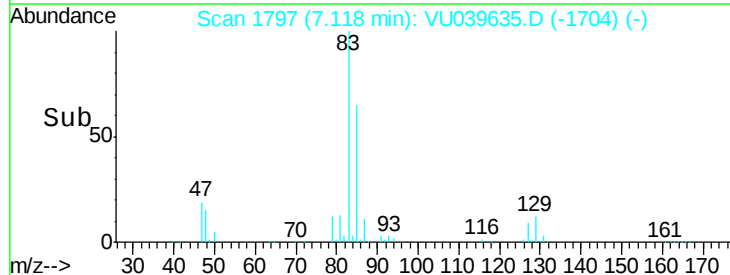
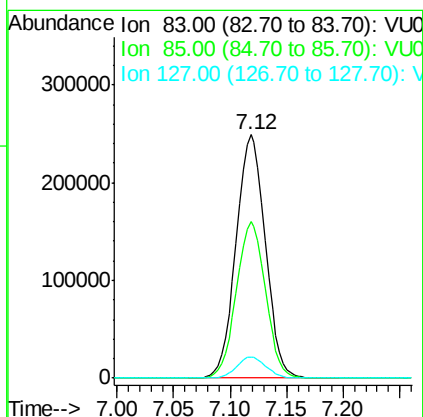
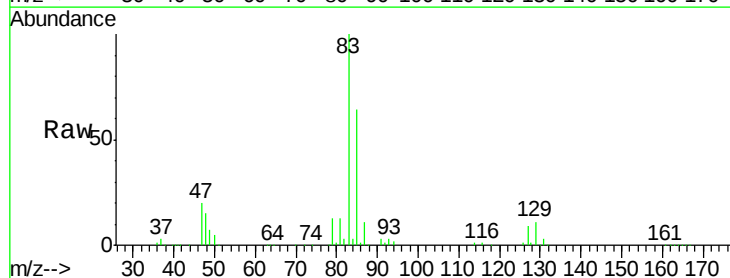
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

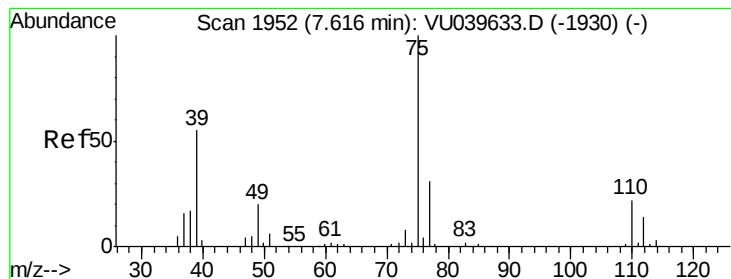
Tgt Ion: 63 Resp: 318372
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 174.982 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

Tgt Ion: 83 Resp: 449907
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.9 85.3
 127 8.6 7.4 11.2



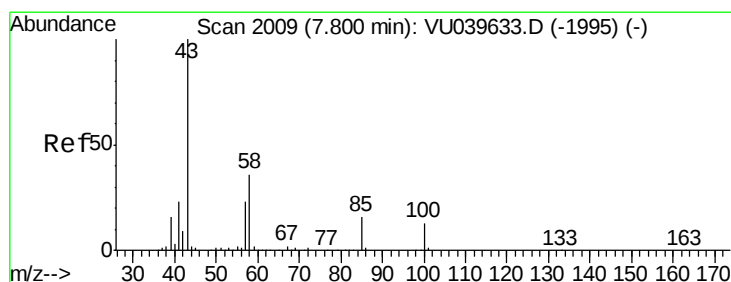
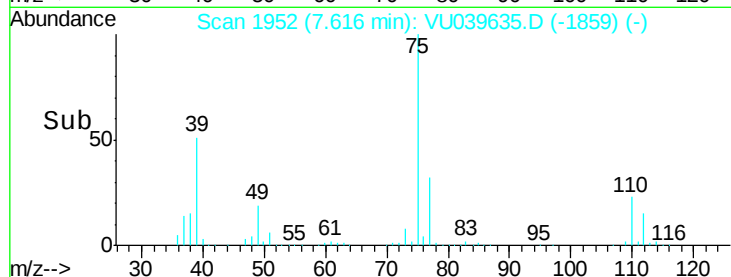
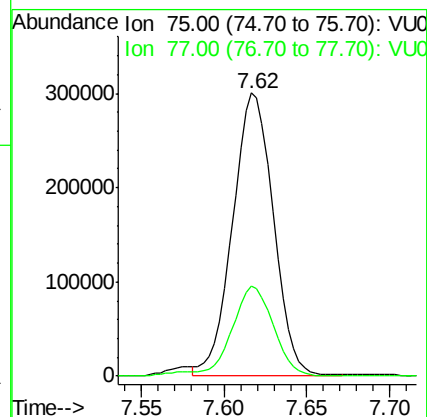
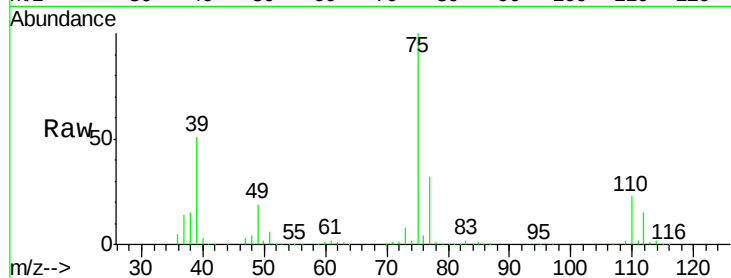


#39

cis-1,3-Dichloropropene
 Concen: 168.458 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

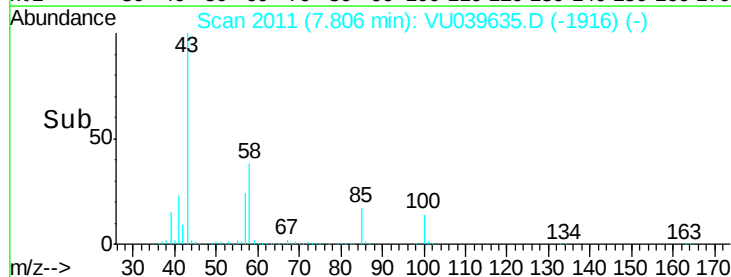
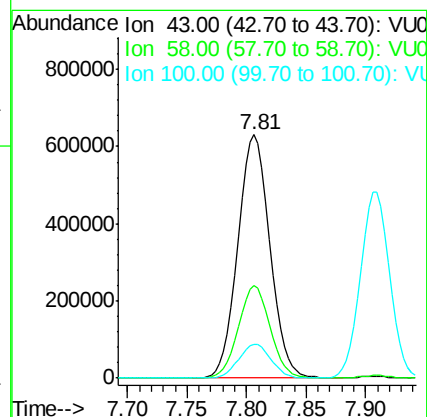
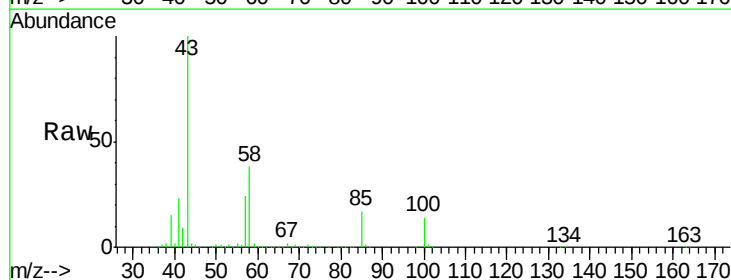
Tgt Ion: 75 Resp: 515678
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.8 40.6

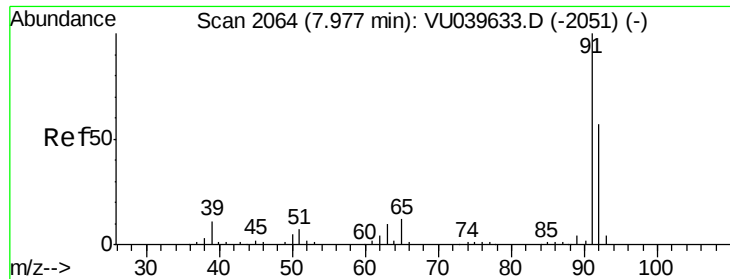


#40

4-Methyl-2-pentanone
 Concen: 368.732 ug/L
 RT: 7.81 min Scan# 2011
 Delta R.T. 0.01 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

Tgt Ion: 43 Resp: 1179194
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.1 43.7
 100 14.2 10.6 16.0





#42

Toluene

Concen: 170.782 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

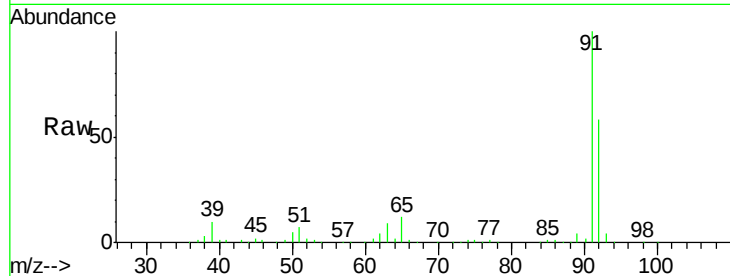
VSTD20034

Tgt Ion: 91 Resp: 1367808

Ion Ratio Lower Upper

91 100

92 57.7 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU039633.D (-2051) (-)

Ion 92.00 (91.70 to 92.70): VU039633.D (-2051) (-)

7.98

800000

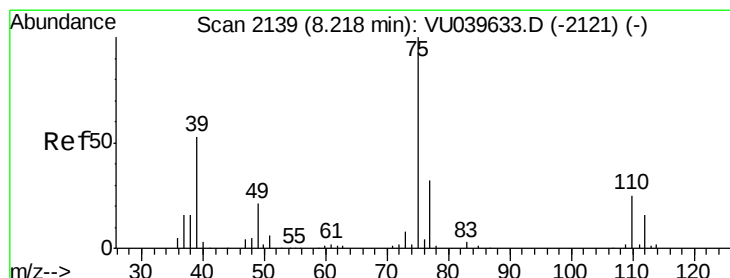
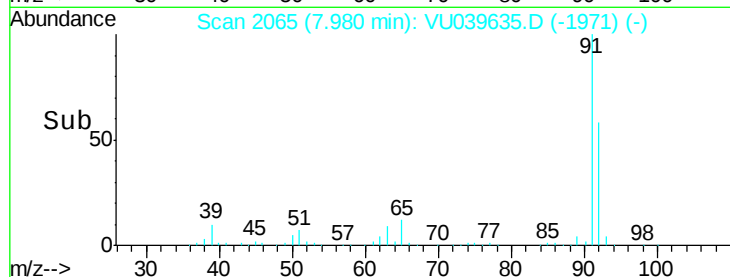
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 181.718 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039635.D

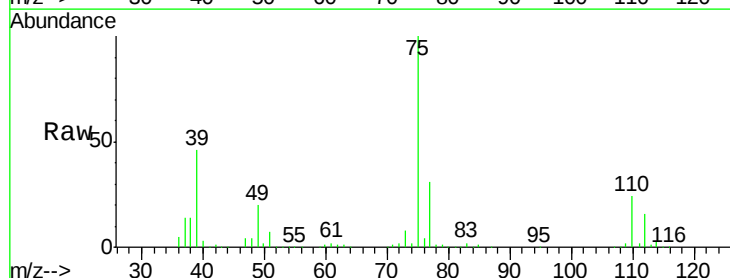
Acq: 23 Jul 2020 12:41

Tgt Ion: 75 Resp: 535876

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039633.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039633.D (-2121) (-)

8.22

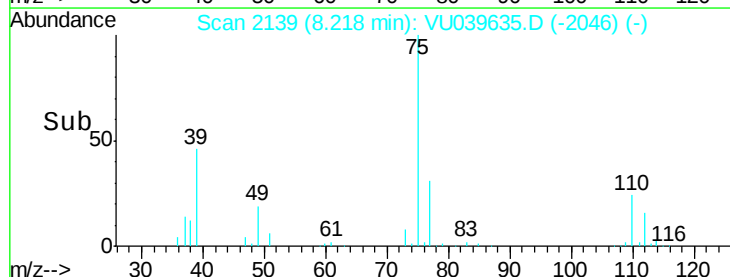
300000

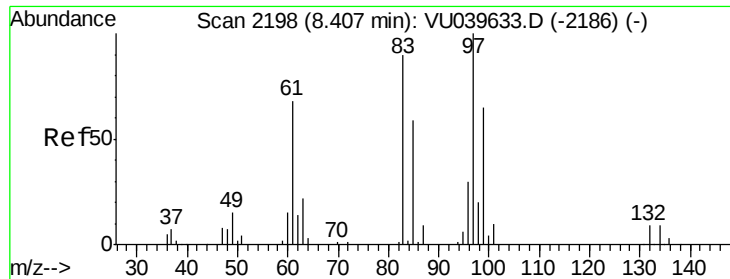
200000

100000

0

Time-->

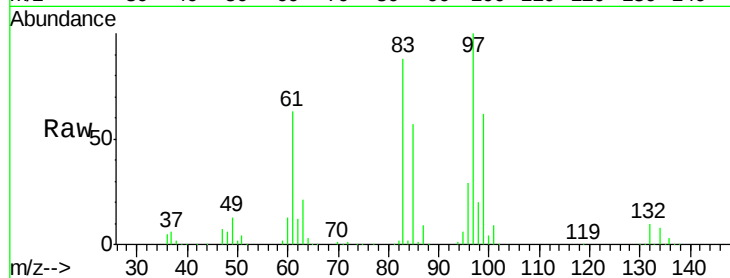




#45
 1,1,2-Trichloroethane
 Concen: 169.428 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

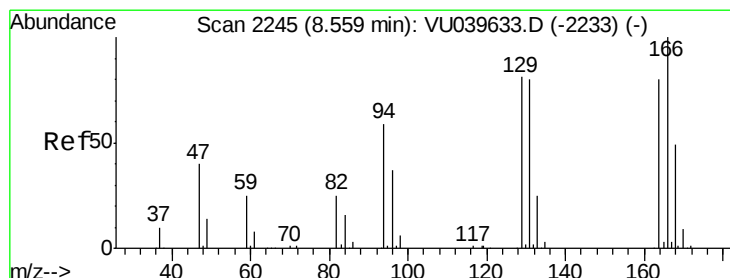
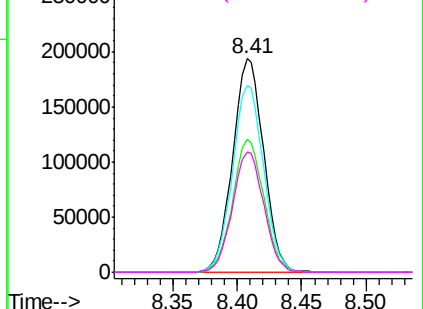
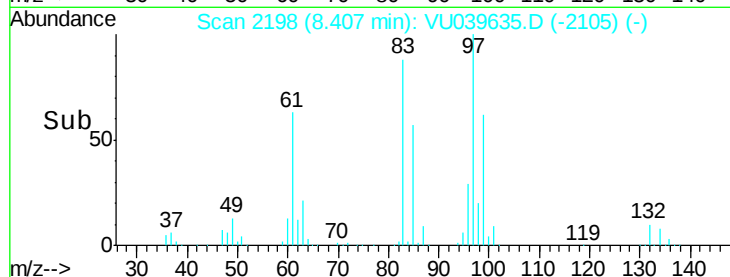
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

Tgt Ion:	97	Resp:	323702
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.1	83.9
83	87.6	62.7	116.5
85	56.6	41.0	76.2



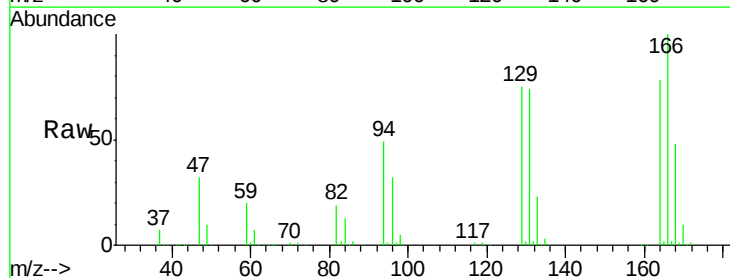
Abundance

Ion 97.00 (96.70 to 97.70): VU039635.D (-2105) (-)



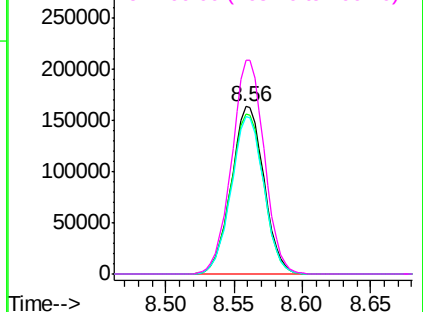
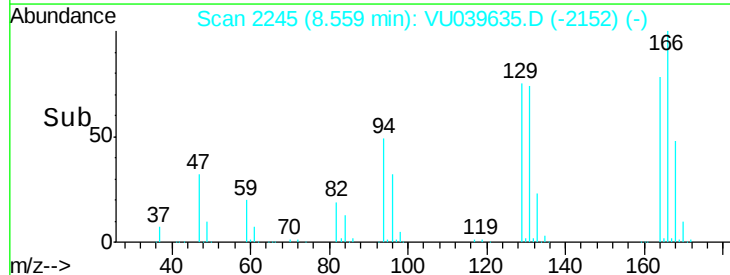
#46
 Tetrachloroethene
 Concen: 192.755 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

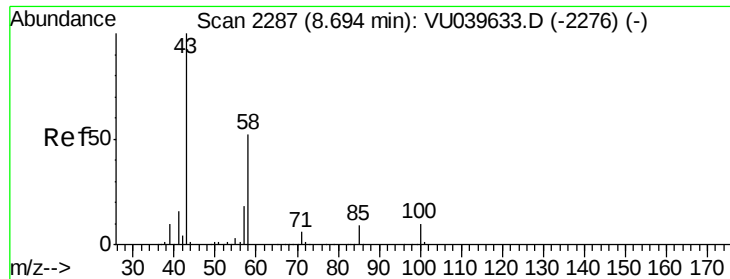
Tgt Ion:	164	Resp:	270787
Ion	Ratio	Lower	Upper
164	100		
129	95.8	71.1	132.1
131	94.2	70.3	130.5
166	127.8	87.8	163.0



Abundance

Ion 164.00 (163.70 to 164.70): VU039635.D (-2152) (-)

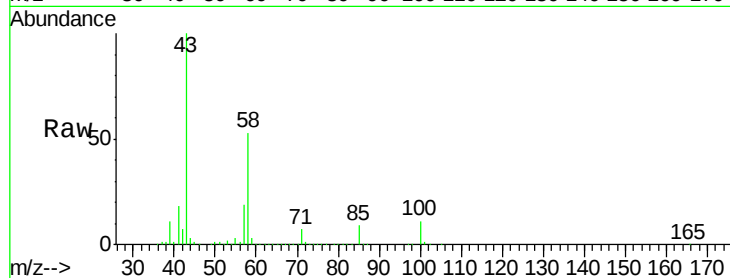




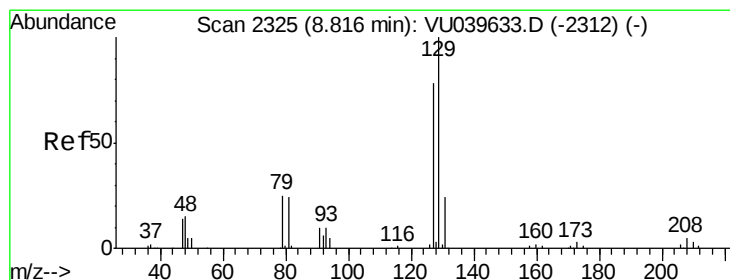
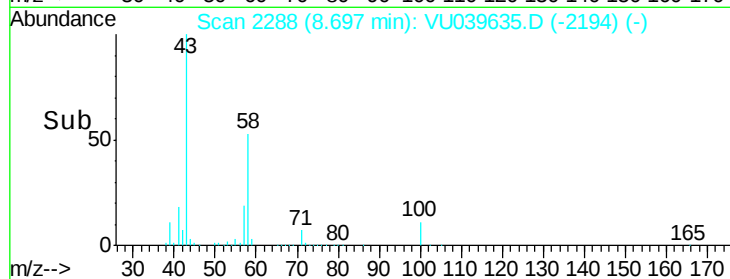
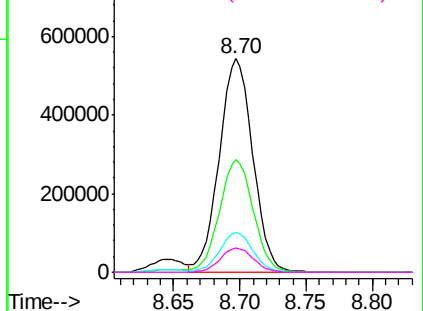
#48
2-Hexanone
Concen: 360.390 ug/L
RT: 8.70 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VU039635.D
Acq: 23 Jul 2020 12:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

Tgt Ion: 43 Resp: 953533
Ion Ratio Lower Upper
43 100
58 52.7 40.6 61.0
57 18.6 14.5 21.7
100 11.4 8.0 12.0

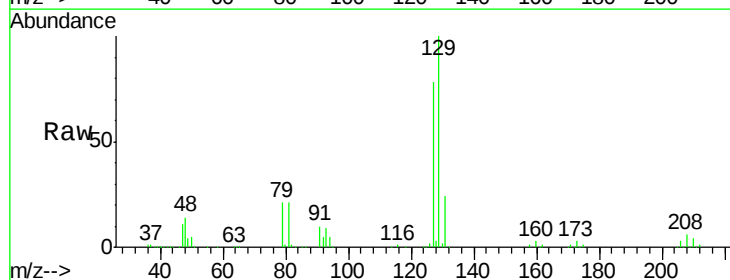


Abundance Ion 43.00 (42.70 to 43.70): VU039635.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VU039635.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VU039635.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VU039635.D (-2194) (-)

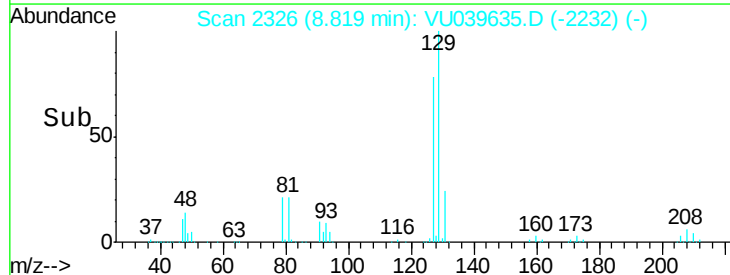
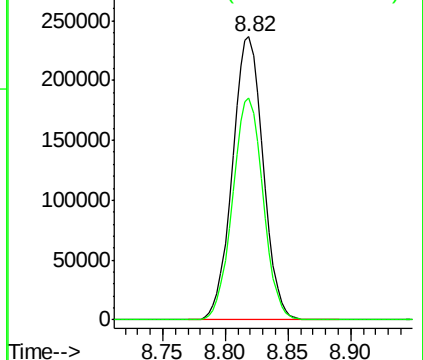


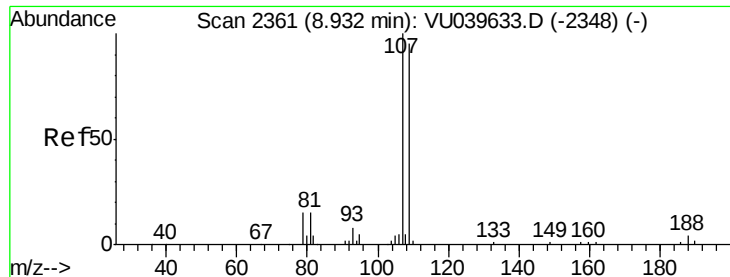
#49
Dibromochloromethane
Concen: 201.453 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU039635.D
Acq: 23 Jul 2020 12:41

Tgt Ion: 129 Resp: 403018
Ion Ratio Lower Upper
129 100
127 78.2 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VU039635.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VU039635.D (-2232) (-)

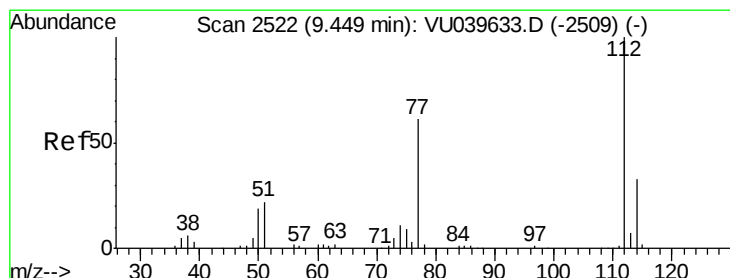
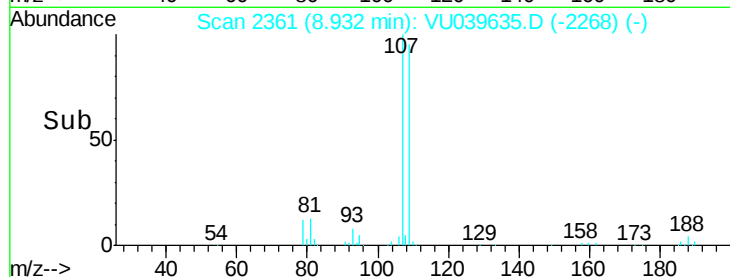
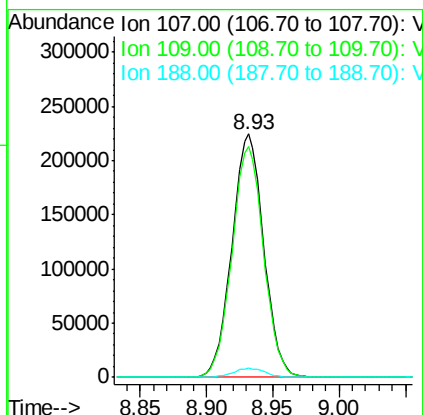
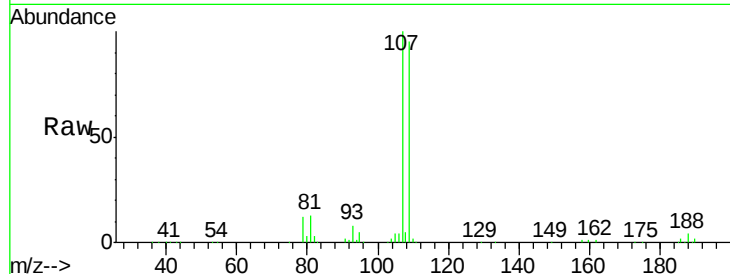




#50
 1,2-Dibromoethane
 Concen: 179.775 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. -0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

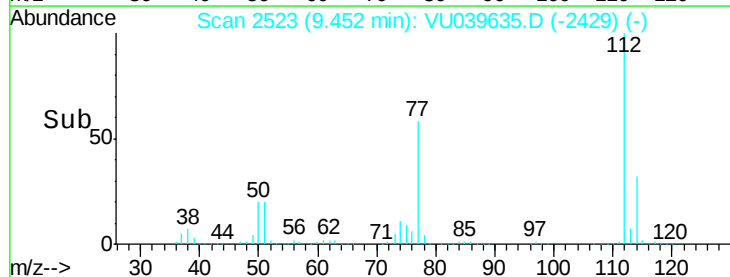
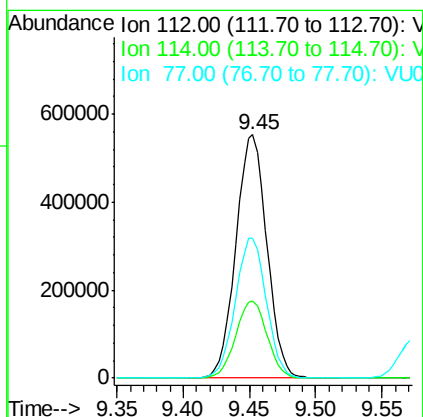
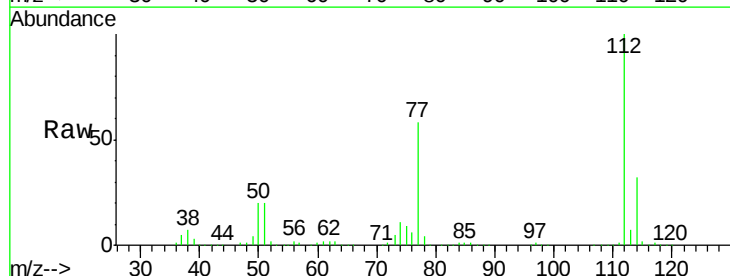
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

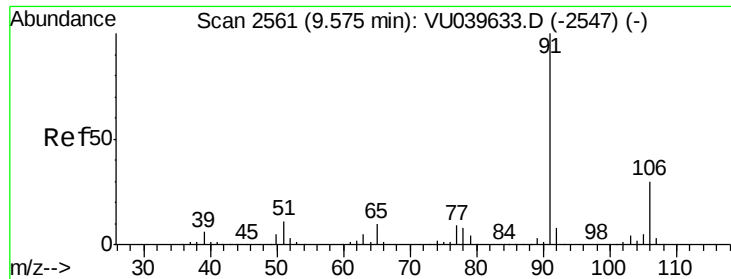
Tgt Ion:107 Resp: 372182
 Ion Ratio Lower Upper
 107 100
 109 95.0 66.8 124.2
 188 3.7 3.0 4.4



#51
 Chlorobenzene
 Concen: 175.111 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

Tgt Ion:112 Resp: 898194
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.9 42.5
 77 57.6 49.4 74.0





#52

Ethylbenzene

Concen: 176.525 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

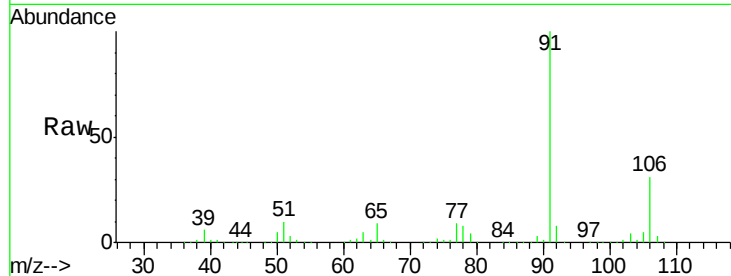
VSTD20034

Tgt Ion: 91 Resp: 1561271

Ion Ratio Lower Upper

91 100

106 31.3 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039635.D (-2547) (-)

Ion 106.00 (105.70 to 106.70): VU039635.D (-2547) (-)

9.57

1000000

800000

600000

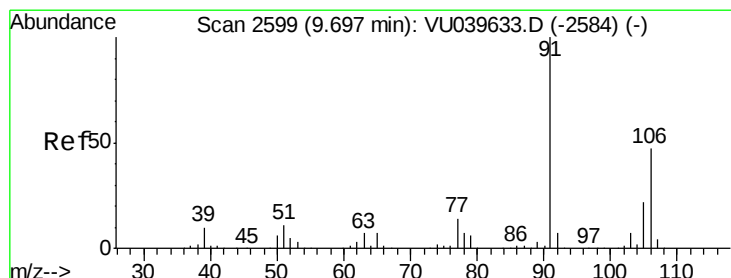
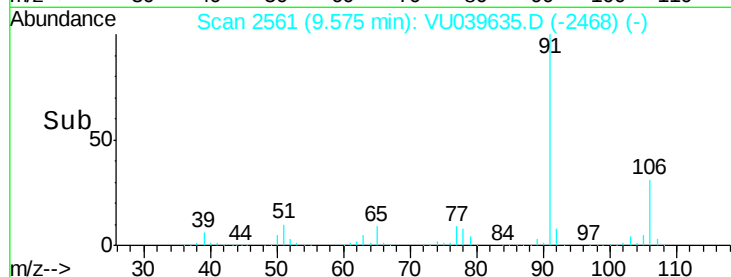
400000

200000

0

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 176.293 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039635.D

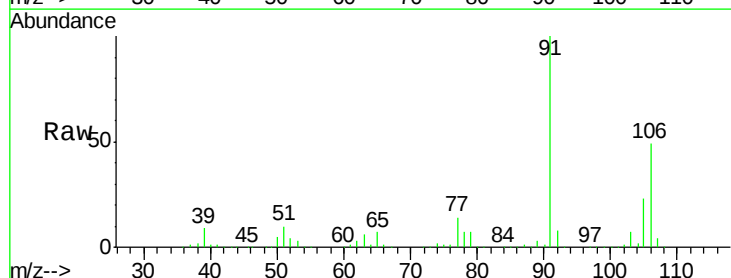
Acq: 23 Jul 2020 12:41

Tgt Ion: 106 Resp: 595322

Ion Ratio Lower Upper

106 100

91 205.8 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039635.D (-2584) (-)

Ion 91.00 (90.70 to 91.70): VU039635.D (-2584) (-)

9.70

800000

600000

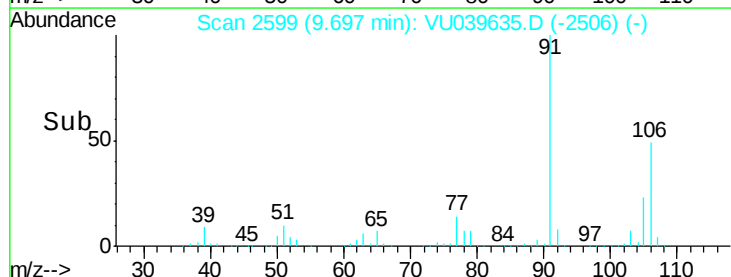
400000

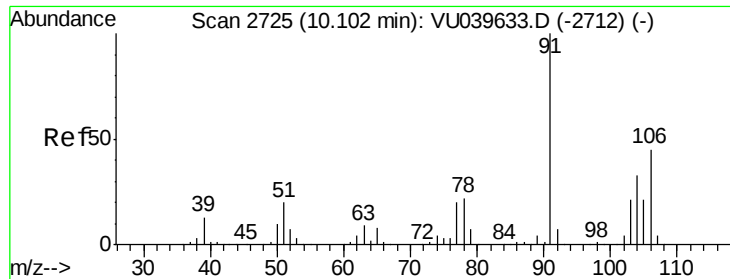
200000

0

9.60 9.70 9.80

Time-->

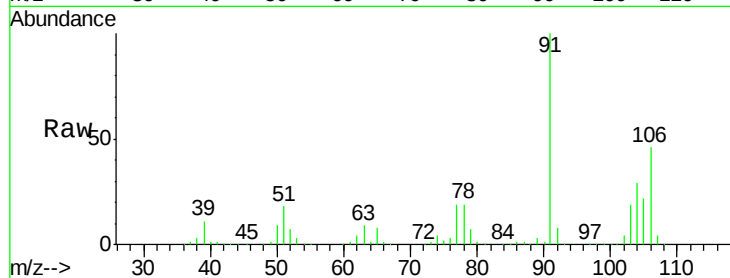




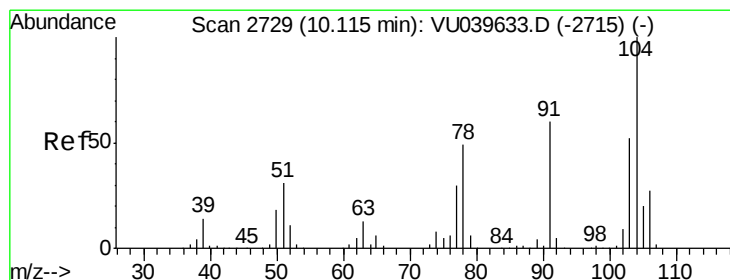
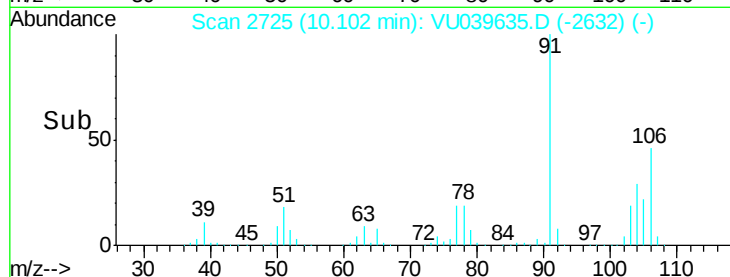
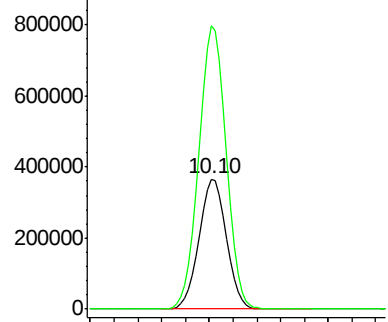
#54
o-xylene
Concen: 177.312 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039635.D
Acq: 23 Jul 2020 12:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

Tgt Ion:106 Resp: 582399
Ion Ratio Lower Upper
106 100
91 217.5 155.1 288.1

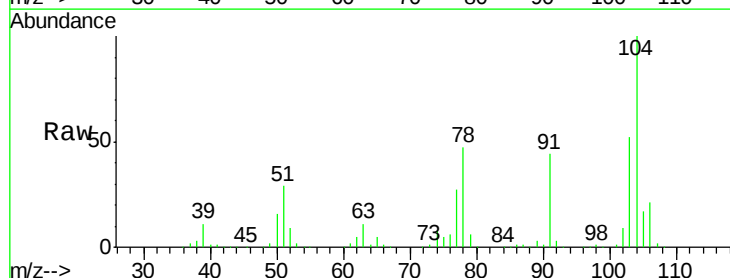


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

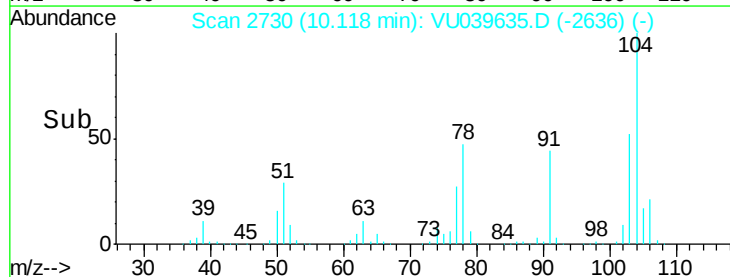
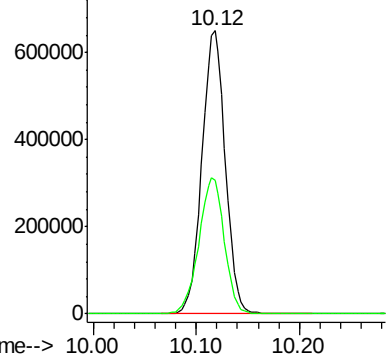


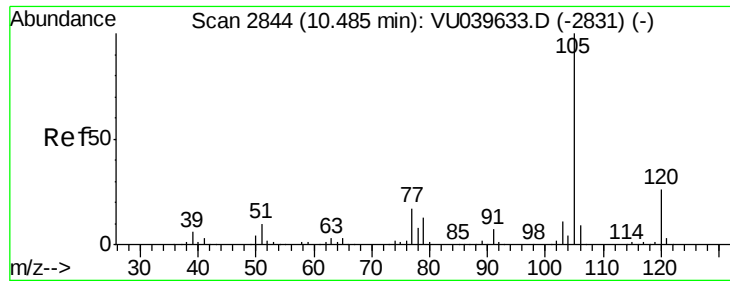
#55
Styrene
Concen: 180.429 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039635.D
Acq: 23 Jul 2020 12:41

Tgt Ion:104 Resp: 1026781
Ion Ratio Lower Upper
104 100
78 47.2 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 183.177 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

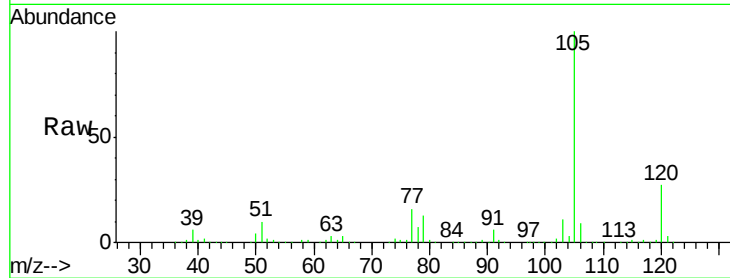
Tgt Ion:105 Resp: 1578561

Ion Ratio Lower Upper

105 100

120 26.8 20.6 31.0

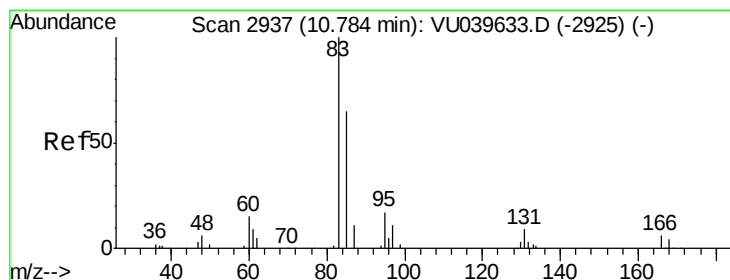
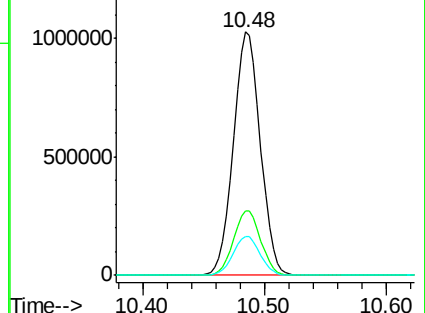
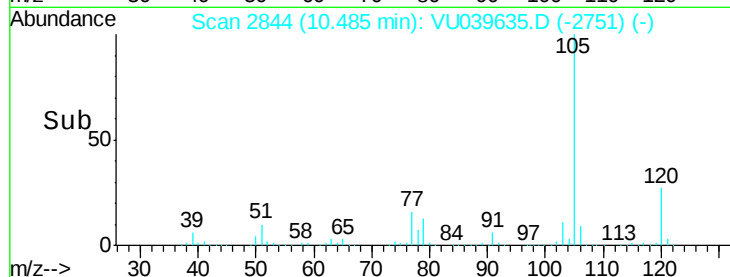
77 16.1 13.4 20.2



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: 178.480 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

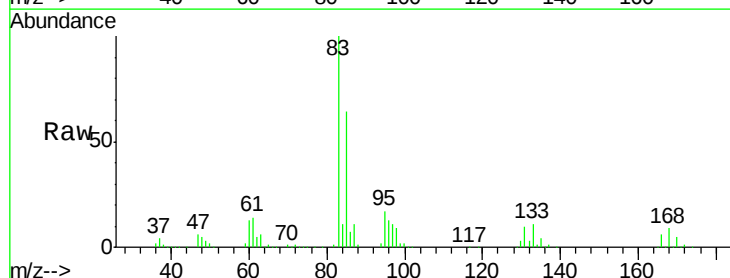
Tgt Ion: 83 Resp: 589953

Ion Ratio Lower Upper

83 100

85 64.3 46.4 86.2

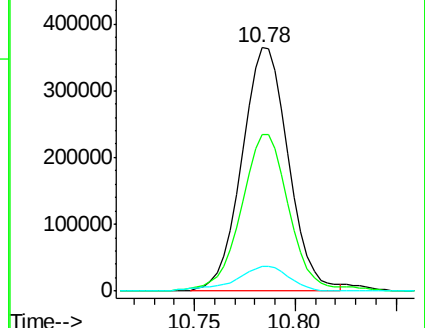
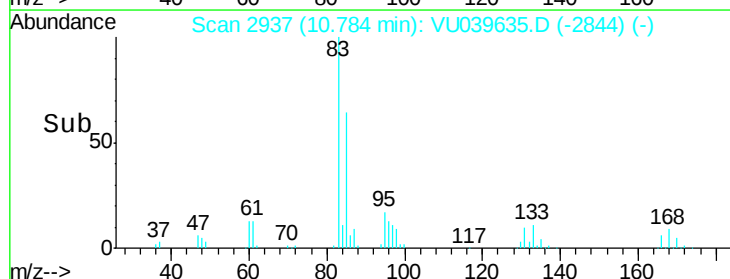
131 10.1 7.8 11.6

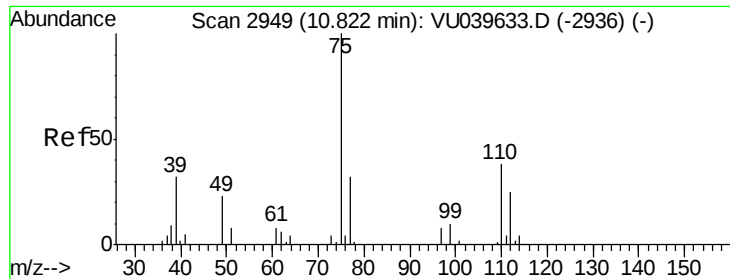


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 173.907 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

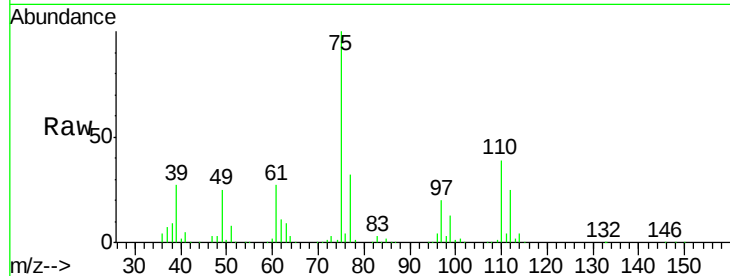
VSTD20034

Tgt Ion: 75 Resp: 487771

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU039635.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU039635.D (-2936) (-)

10.83

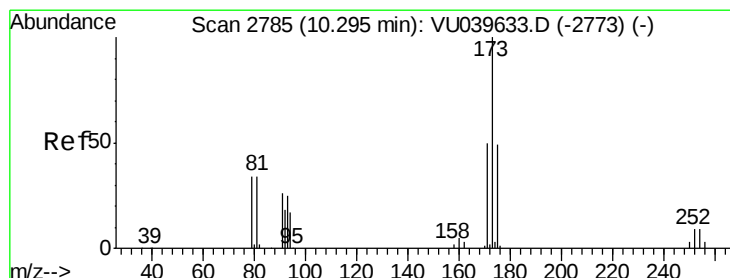
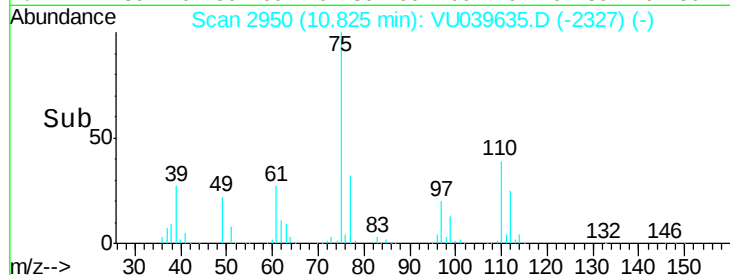
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 205.820 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

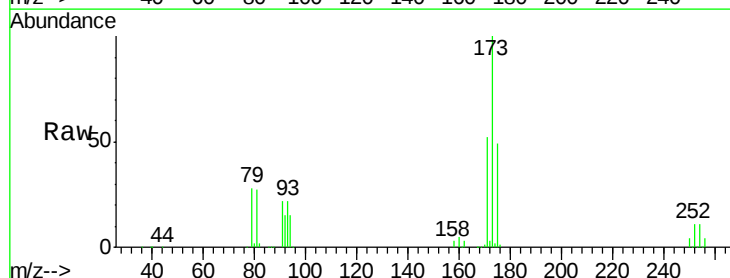
Tgt Ion: 173 Resp: 349330

Ion Ratio Lower Upper

173 100

175 48.7 38.4 57.6

254 10.5 7.0 10.6



Abundance Ion 173.00 (172.70 to 173.70): VU039635.D (-2773) (-)

Ion 175.00 (174.70 to 175.70): VU039635.D (-2773) (-)

Ion 254.00 (253.70 to 254.70): VU039635.D (-2773) (-)

10.29

250000

200000

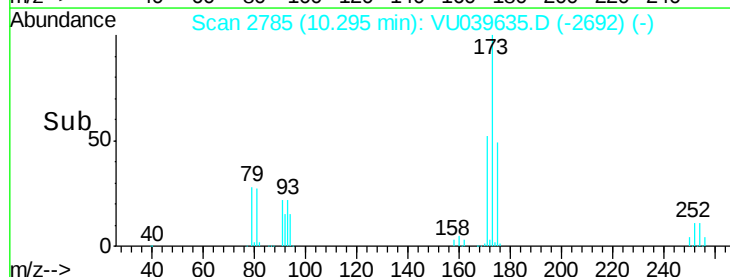
150000

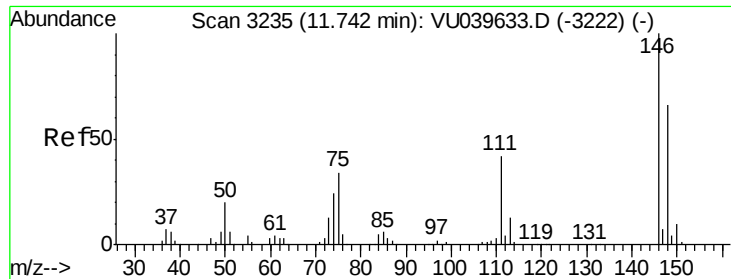
100000

50000

0

Time-->

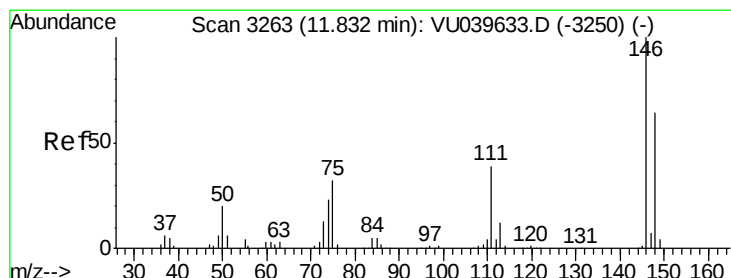
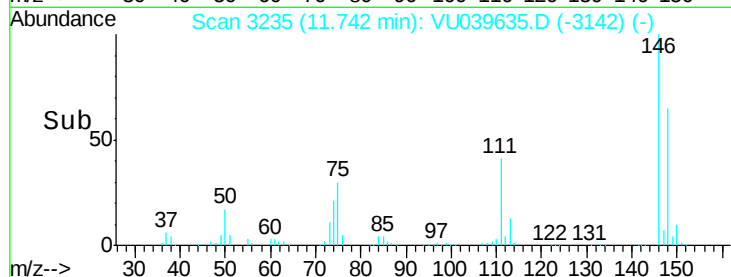
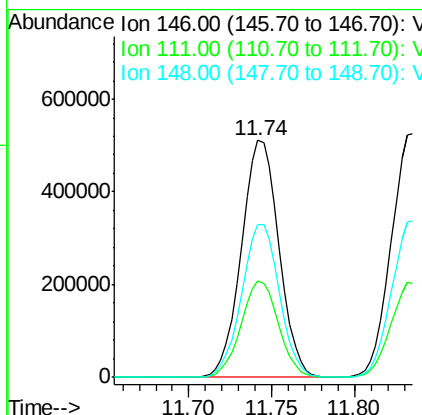
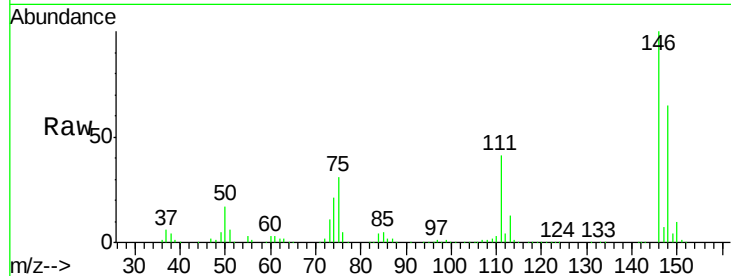




#62
 1,3-Dichlorobenzene
 Concen: 171.588 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

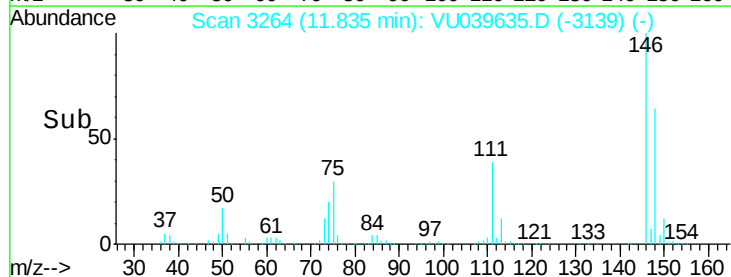
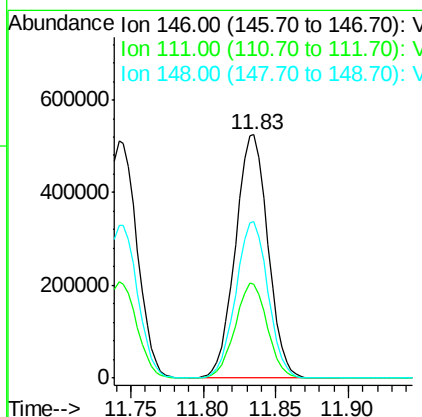
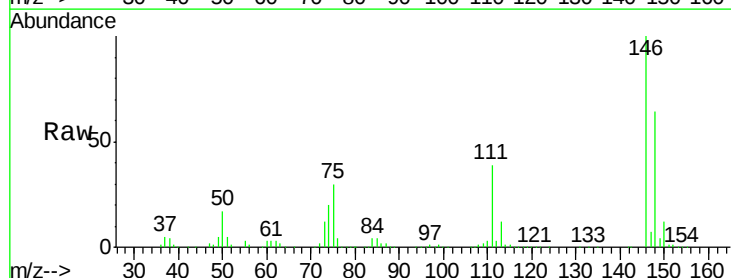
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

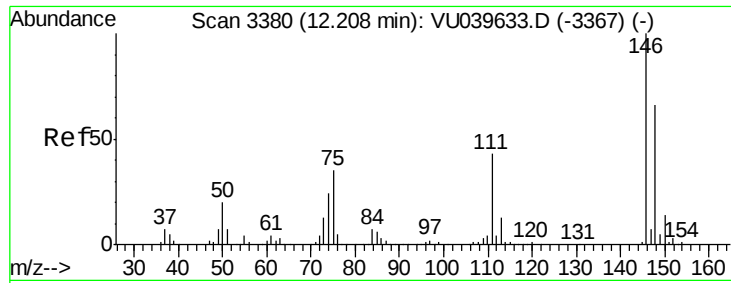
Tgt Ion:146 Resp: 803436
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.3 54.3
 148 64.7 46.1 85.5



#63
 1,4-Dichlorobenzene
 Concen: 172.888 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

Tgt Ion:146 Resp: 817749
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.8 51.6
 148 64.2 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 172.288 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

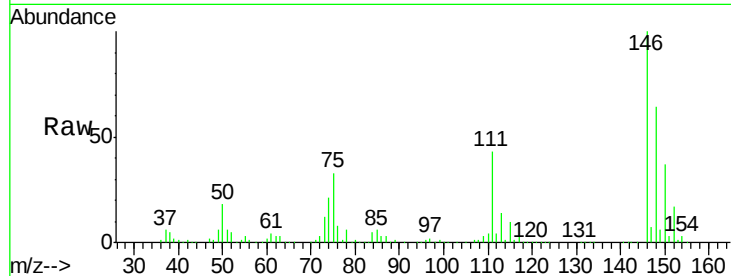
Tgt Ion:146 Resp: 806136

Ion Ratio Lower Upper

146 100

111 42.6 34.8 52.2

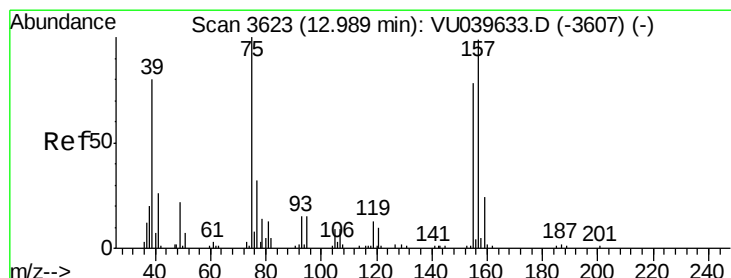
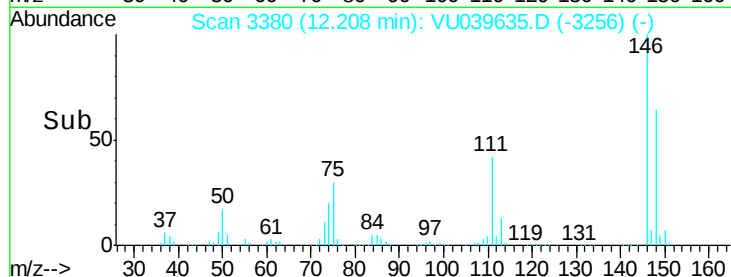
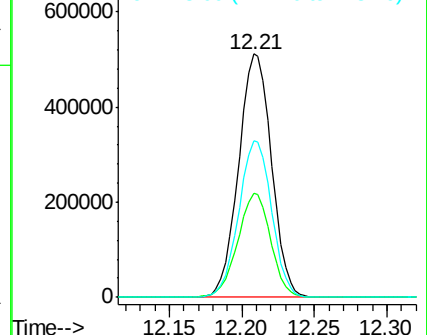
148 64.2 52.5 78.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 166.974 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

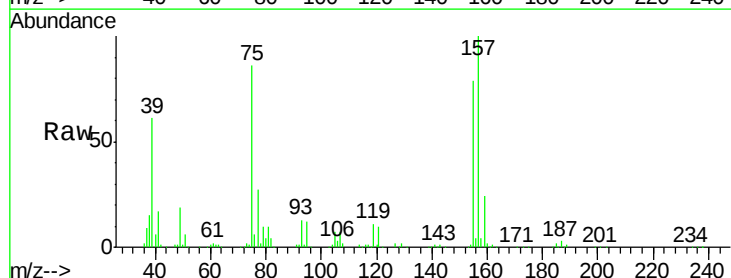
Tgt Ion: 75 Resp: 163486

Ion Ratio Lower Upper

75 100

155 92.1 62.4 93.6

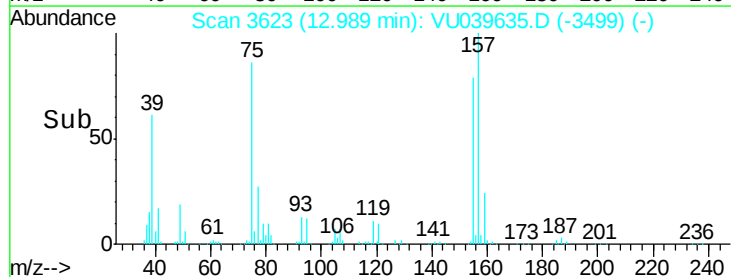
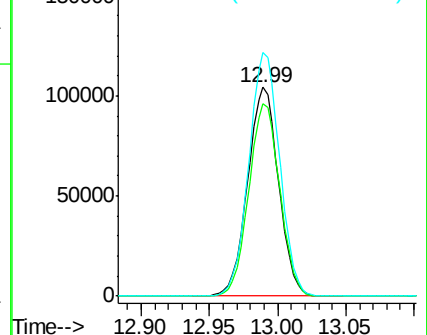
157 116.8 78.9 118.3

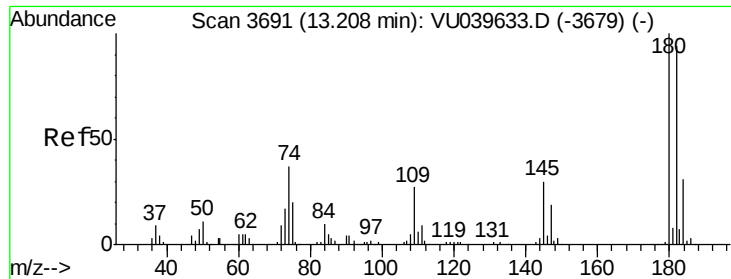


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

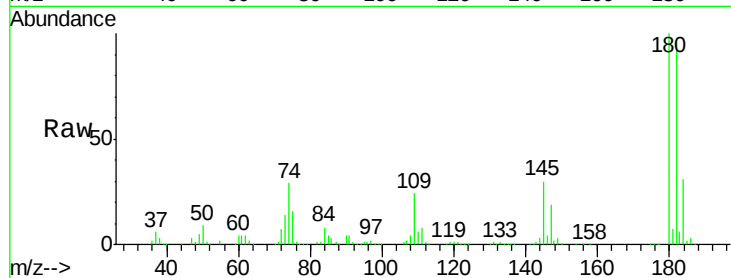




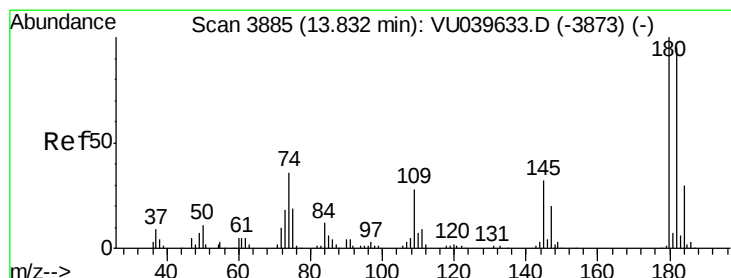
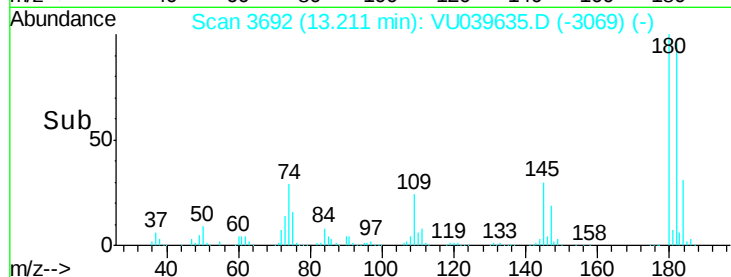
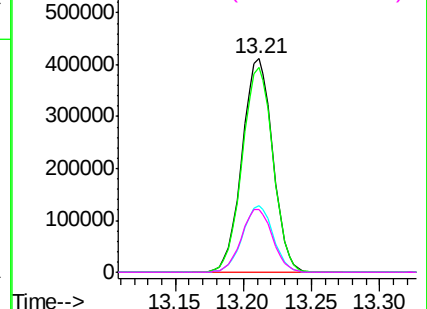
#67
 1,3,5-Trichlorobenzene
 Concen: 190.196 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

Tgt Ion:180 Resp: 641658
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.7 113.5
 184 31.0 24.2 36.2
 145 29.8 24.6 36.8

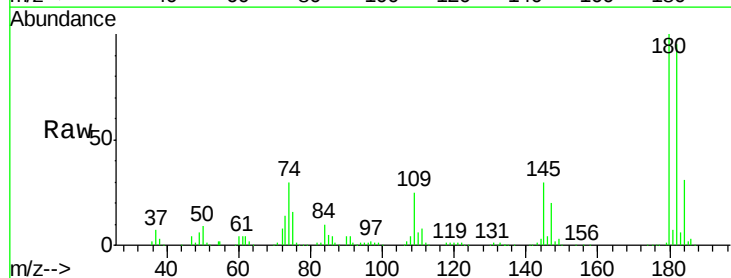


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

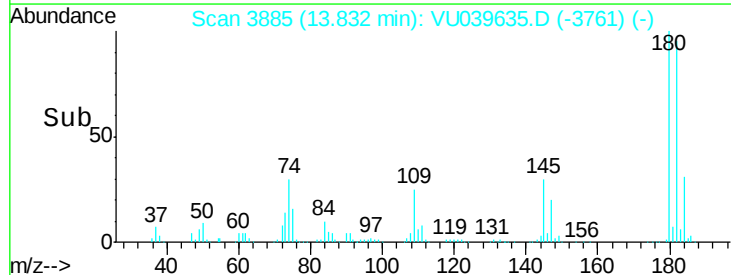
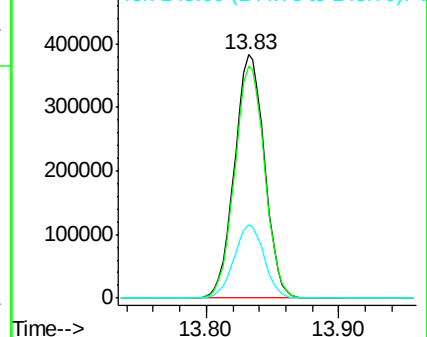


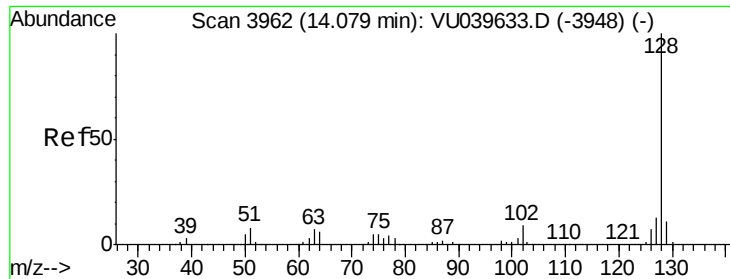
#68
 1,2,4-trichlorobenzene
 Concen: 190.540 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039635.D
 Acq: 23 Jul 2020 12:41

Tgt Ion:180 Resp: 600418
 Ion Ratio Lower Upper
 180 100
 182 95.5 74.4 111.6
 145 30.0 24.8 37.2



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: 172.286 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

Instrument :

MSVOA_U

ClientSampled :

VSTD20034

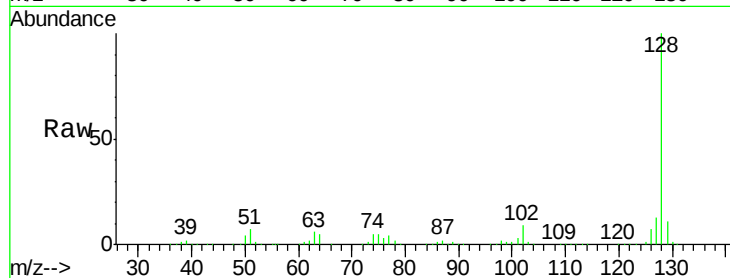
Tgt Ion:128 Resp: 1858728

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

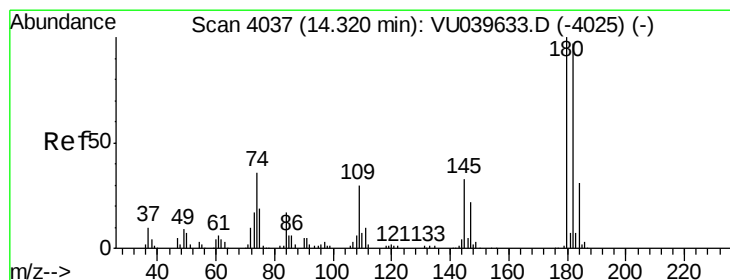
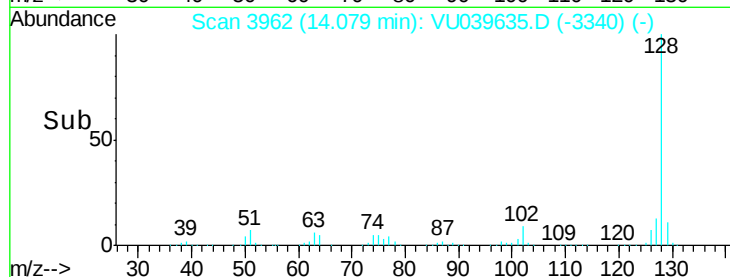
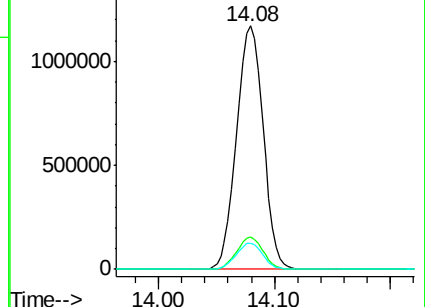
129 10.7 8.8 13.2



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: 188.264 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039635.D

Acq: 23 Jul 2020 12:41

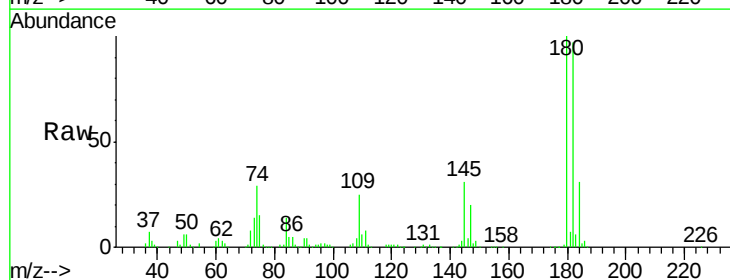
Tgt Ion:180 Resp: 588769

Ion Ratio Lower Upper

180 100

182 96.2 76.6 114.8

145 31.9 27.0 40.4



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

