

Data File : VU034654.D
Acq On : 19 Sep 2019 17:10
Operator : JC/SP
Sample : VSTD200
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

Quant Time: Sep 19 17:31:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 19 17:16:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	500095	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	497548	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	254812	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	963974	399.53	ug/L	0.00
7) Chloroethane-d5	1.65	69	731570	394.25	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.25	63	1697820	343.92	ug/L	0.00
21) 2-Butanone-d5	4.14	46	1743444	640.83	ug/L	0.00
24) Chloroform-d	4.62	84	1499908	273.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	1061721	317.67	ug/L	0.00
32) Benzene-d6	5.31	84	2919228	266.83	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	1033460	253.76	ug/L	0.00
41) Toluene-d8	7.54	98	2809029	264.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	532395	274.05	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	1175495	532.09	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	1476911	232.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	1004323	220.95	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	976831	317.037	ug/L	99
3) Chloromethane	1.32	50	1153652	366.878	ug/L	100
5) Vinyl chloride	1.40	62	1056602	342.258	ug/L	99
6) Bromomethane	1.59	94	621134	384.884	ug/L	96
8) Chloroethane	1.68	64	608885	344.219	ug/L	98
9) Trichlorofluoromethane	1.87	101	1338875	306.486	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	621281	238.677	ug/L	99
12) 1,1-Dichloroethene	2.26	96	612837	257.830	ug/L	97
13) Acetone	2.31	43	1439243	588.663	ug/L	98
14) Carbon disulfide	2.46	76	2091104	358.368	ug/L	99
15) Methyl Acetate	2.59	43	1208485	302.000	ug/L	99
16) Methylene chloride	2.68	84	768703	244.707	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	688065	270.486	ug/L	96
18) Methyl tert-butyl Ether	2.98	73	2551229	242.239	ug/L	99
19) 1,1-Dichloroethane	3.42	63	1558252	272.084	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	799075	242.553	ug/L	98
22) 2-Butanone	4.23	43	2014667	647.738	ug/L	100
23) Bromochloromethane	4.52	128	385933	248.132	ug/L	98
25) Chloroform	4.64	83	1478699	246.892	ug/L	99
27) 1,2-Dichloroethane	5.38	62	1312329	309.460	ug/L	98
29) Cyclohexane	4.97	56	1477046	304.516	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	1242452	249.899	ug/L	98
31) Carbon tetrachloride	5.11	117	1074758	256.058	ug/L	97
33) Benzene	5.36	78	3186070	252.445	ug/L	100
34) Trichloroethene	6.16	95	792502	252.080	ug/L	99
35) Methylcyclohexane	6.39	83	1323196	277.622	ug/L	98
37) 1,2-Dichloropropane	6.41	63	941122	245.686	ug/L	100
38) Bromodichloromethane	6.73	83	1177244	235.092	ug/L	100
39) cis-1,3-Dichloropropene	7.24	75	1467897	255.061	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	3863877	579.884	ug/L	98

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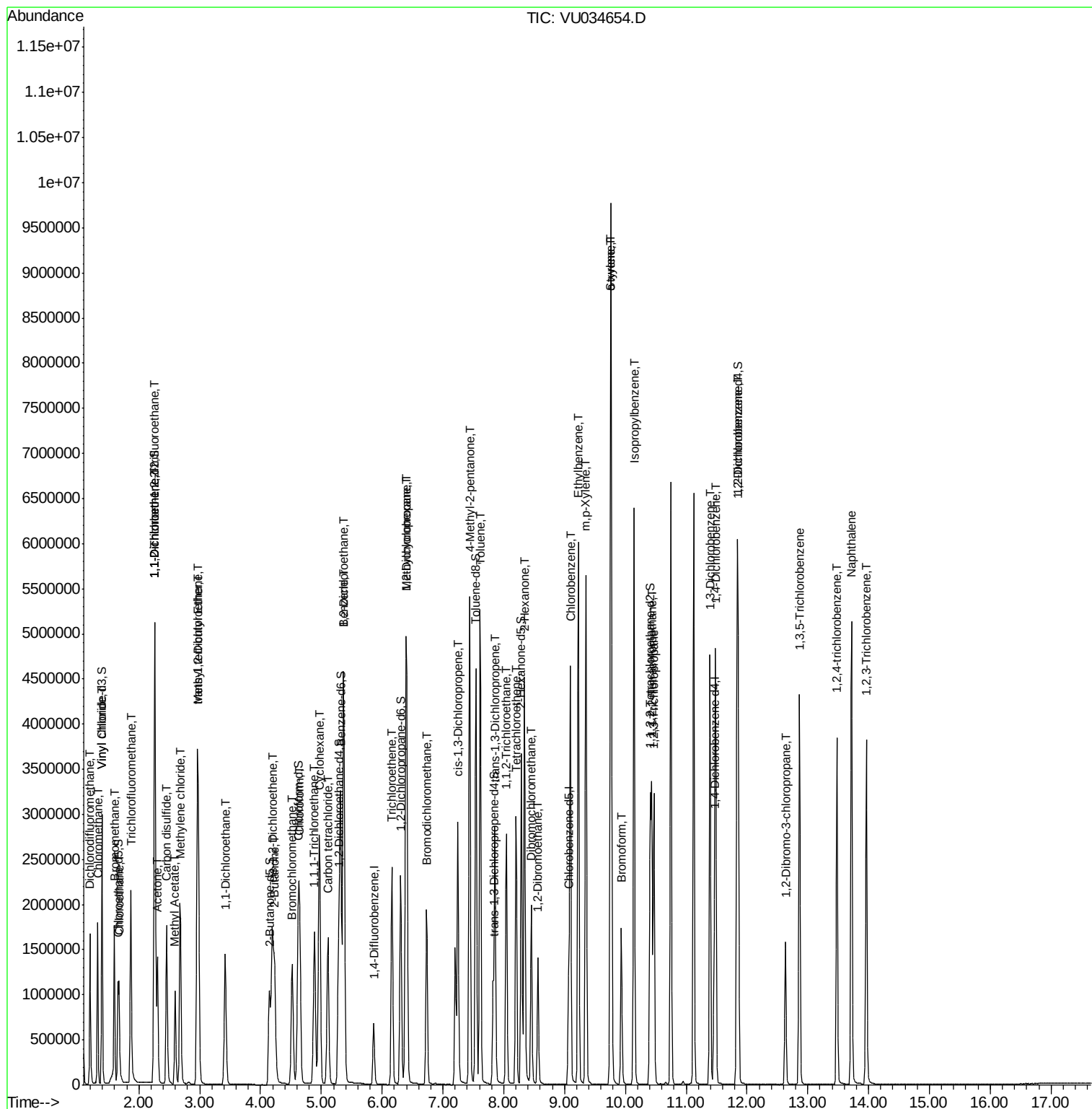
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	3487359	256.275	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	1391555	263.691	ug/L	98
45) 1,1,2-Trichloroethane	8.04	97	778005	222.559	ug/L	97
46) Tetrachloroethene	8.21	164	568714	272.522	ug/L	97
48) 2-Hexanone	8.34	43	3066096	612.508	ug/L	98
49) Dibromochloromethane	8.45	129	905838	228.801	ug/L	98
50) 1,2-Dibromoethane	8.56	107	867310	237.373	ug/L	100
51) Chlorobenzene	9.10	112	2118809	238.330	ug/L	99
52) Ethylbenzene	9.23	91	3939129	250.192	ug/L	100
53) m,p-Xylene	9.35	106	1420680	250.983	ug/L	100
54) o-xylene	9.76	106	1421550	247.538	ug/L	96
55) Styrene	9.77	104	2485995	251.505	ug/L	97
56) Isopropylbenzene	10.14	105	3793496	245.599	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	1515467	218.004	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	1218541	232.890	ug/L	98
61) Bromoform	9.94	173	699685	222.986	ug/L	100
62) 1,3-Dichlorobenzene	11.39	146	1658607	225.099	ug/L	96
63) 1,4-Dichlorobenzene	11.48	146	1650261	221.800	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	1630620	219.388	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	376840	223.790	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	1146049	238.636	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	1023527	249.482	ug/L	99
69) Naphthalene	13.72	128	3617277	238.647	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	996855	237.344	ug/L	97

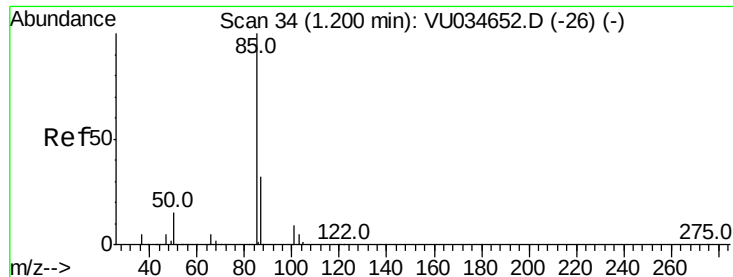
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 317.037 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

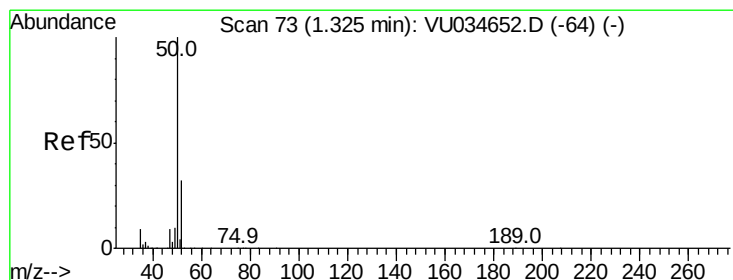
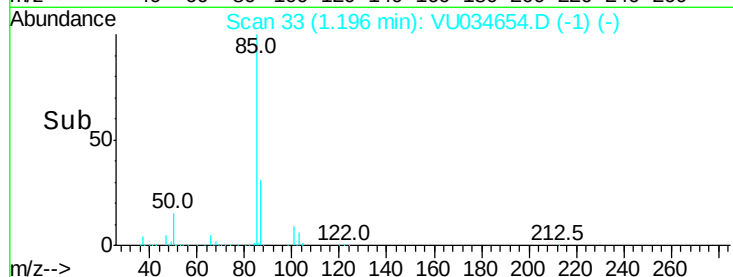
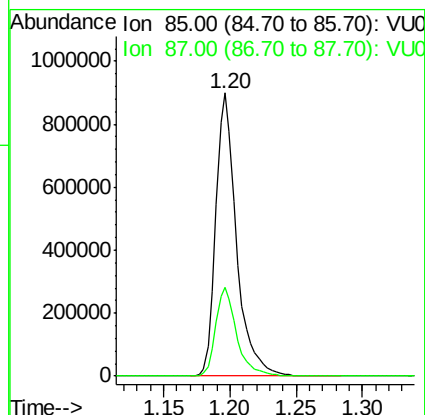
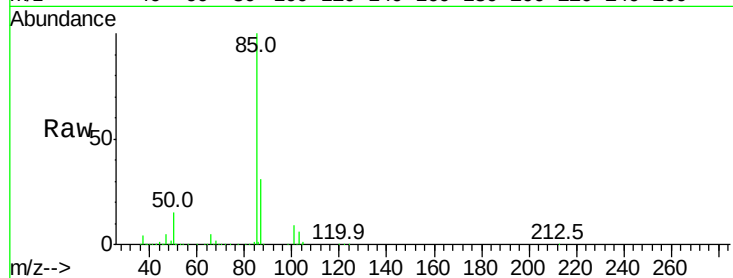
VSTD20035

Tgt Ion: 85 Resp: 976831

Ion Ratio Lower Upper

85 100

87 31.6 25.5 38.3



#3

Chloromethane

Concen: 366.878 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034654.D

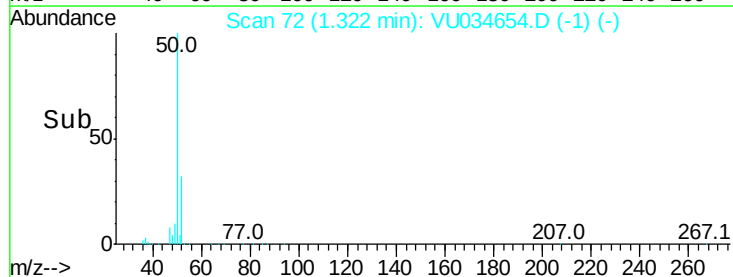
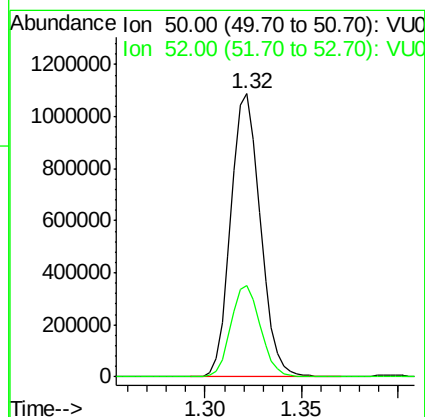
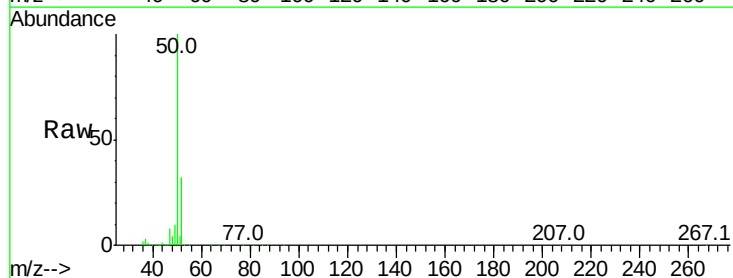
Acq: 19 Sep 2019 17:10

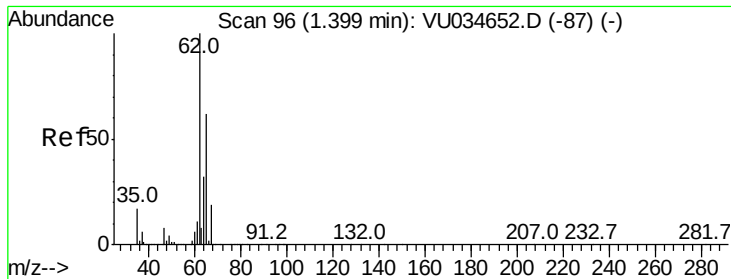
Tgt Ion: 50 Resp: 1153652

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1





#5

Vinyl chloride

Concen: 342.258 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

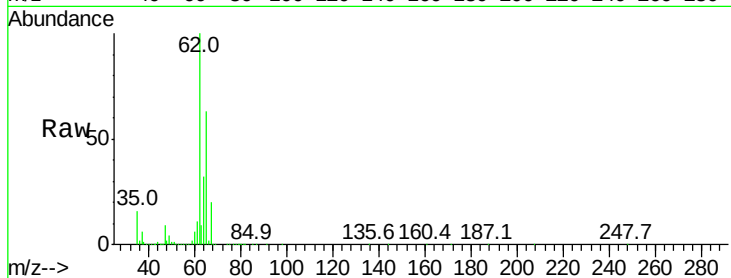
VSTD20035

Tgt Ion: 62 Resp: 1056602

Ion Ratio Lower Upper

62 100

64 32.3 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU034652.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU034652.D (-87) (-)

1.40

800000

600000

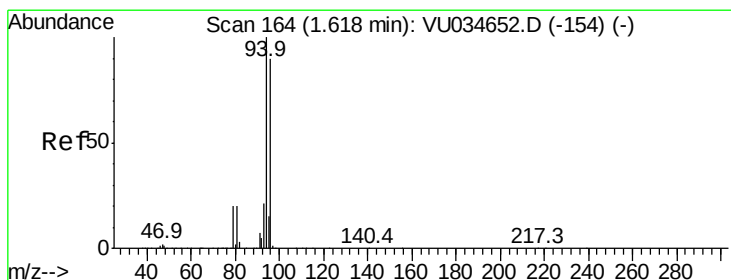
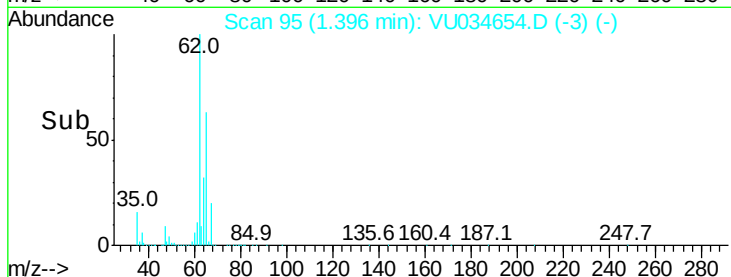
400000

200000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 384.884 ug/L

RT: 1.59 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU034654.D

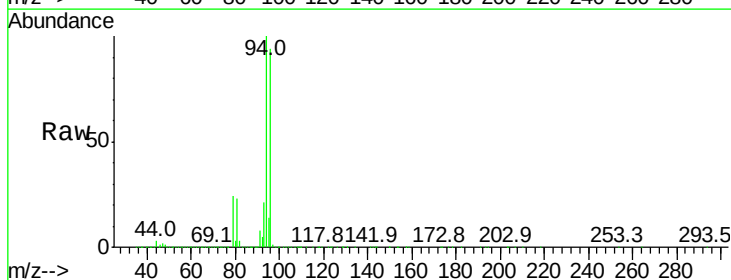
Acq: 19 Sep 2019 17:10

Tgt Ion: 94 Resp: 621134

Ion Ratio Lower Upper

94 100

96 93.6 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU034652.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU034652.D (-154) (-)

1.59

600000

500000

400000

300000

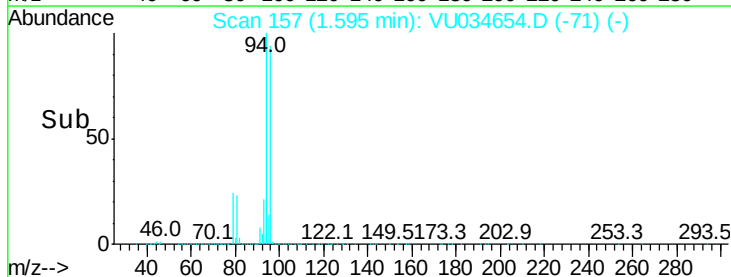
200000

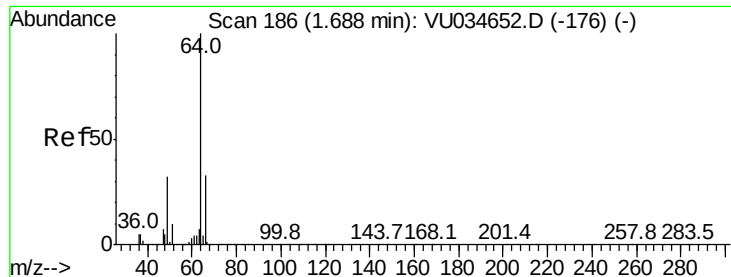
100000

0

1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 344.219 ug/L

RT: 1.68 min Scan# 182

Delta R.T. -0.01 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

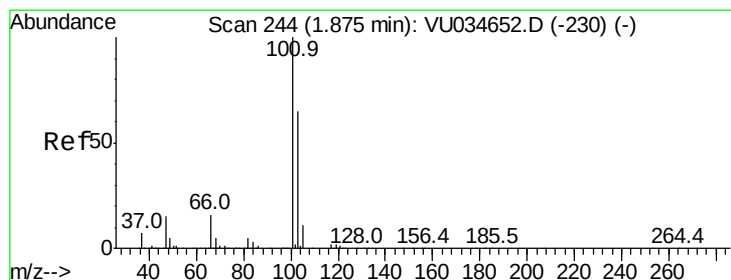
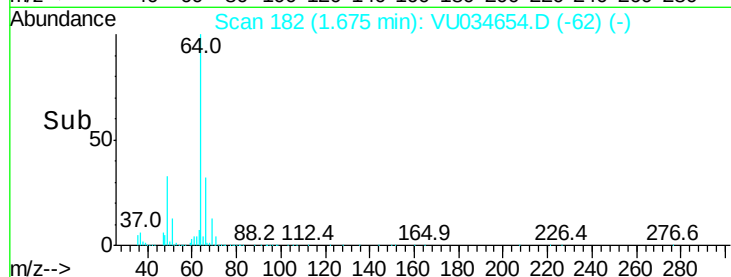
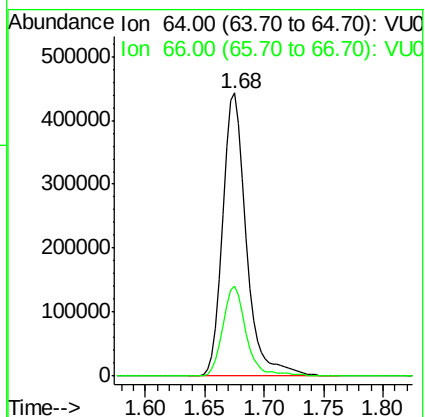
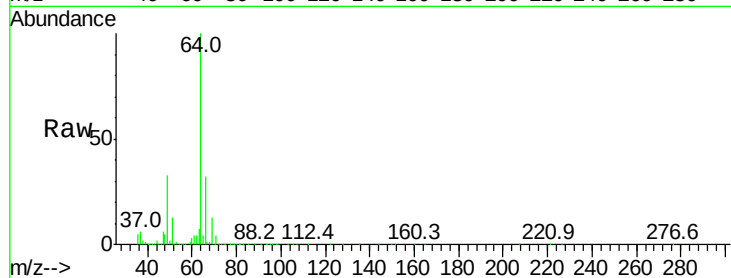
VSTD20035

Tgt Ion: 64 Resp: 608885

Ion Ratio Lower Upper

64 100

66 31.8 23.1 42.9



#9

Trichlorofluoromethane

Concen: 306.486 ug/L

RT: 1.87 min Scan# 242

Delta R.T. -0.01 min

Lab File: VU034654.D

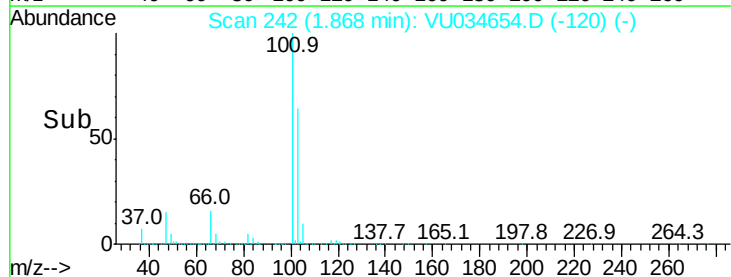
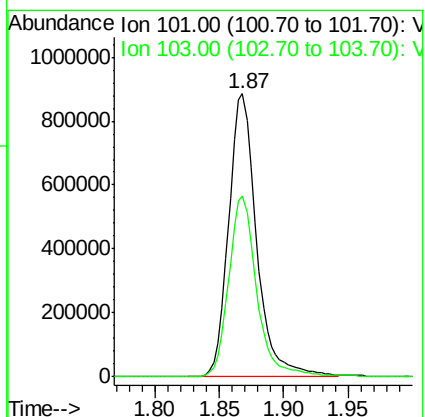
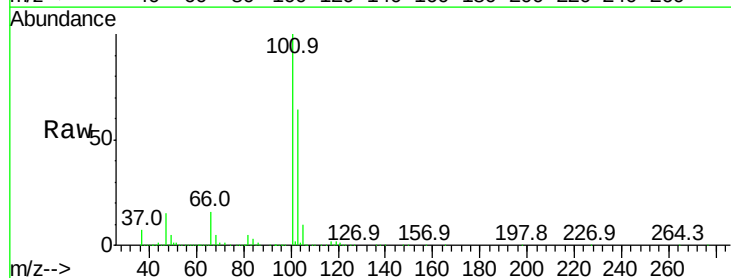
Acq: 19 Sep 2019 17:10

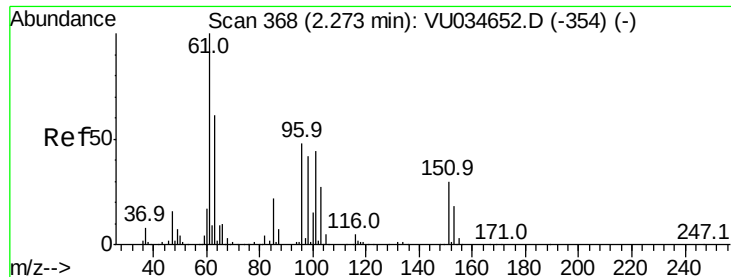
Tgt Ion: 101 Resp: 1338875

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.8





#10

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

Concen: 238.677 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20035

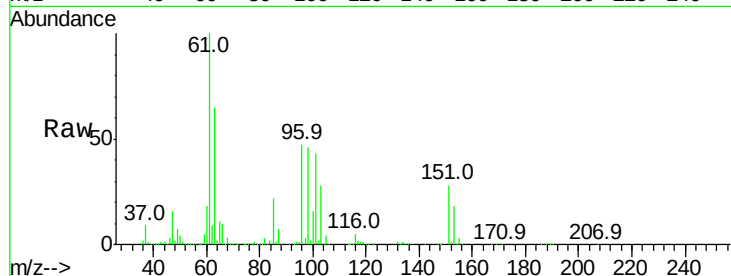
Tgt Ion:101 Resp: 621281

Ion Ratio Lower Upper

101 100

85 49.9 39.0 58.4

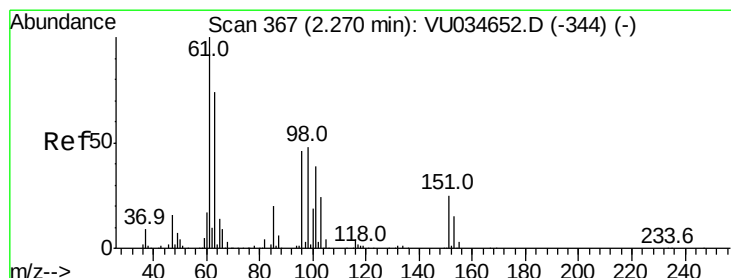
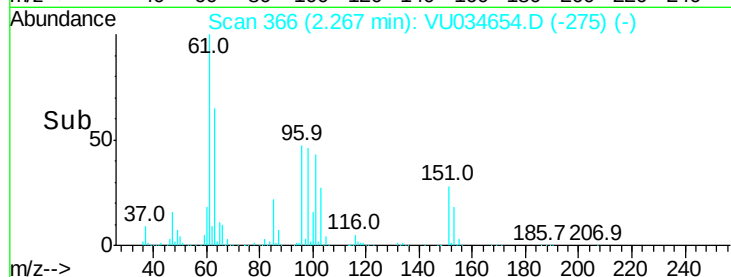
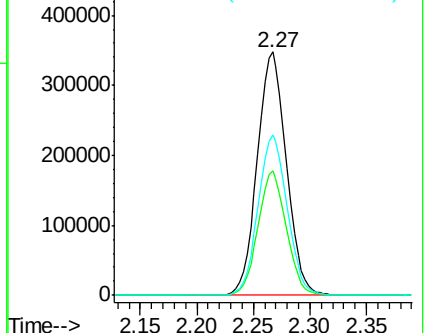
151 66.0 52.8 79.2



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: 257.830 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

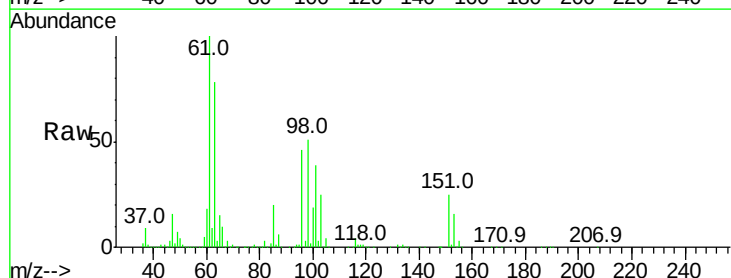
Tgt Ion: 96 Resp: 612837

Ion Ratio Lower Upper

96 100

61 217.9 153.2 284.4

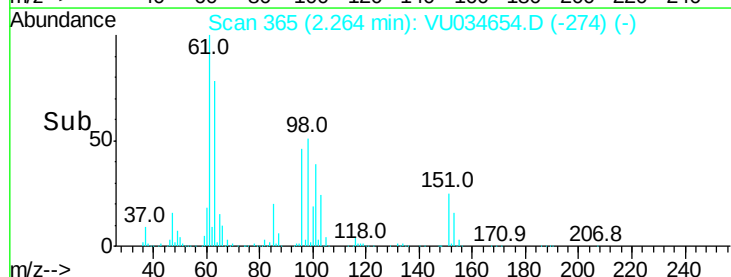
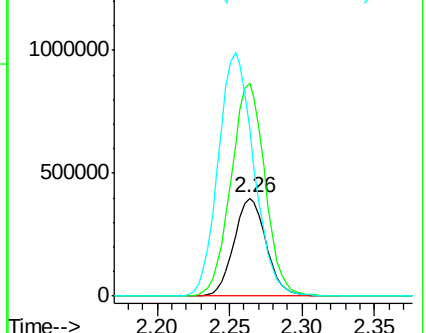
63 169.9 113.8 211.3

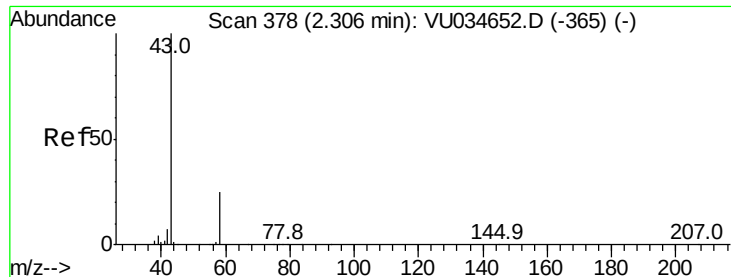


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 588.663 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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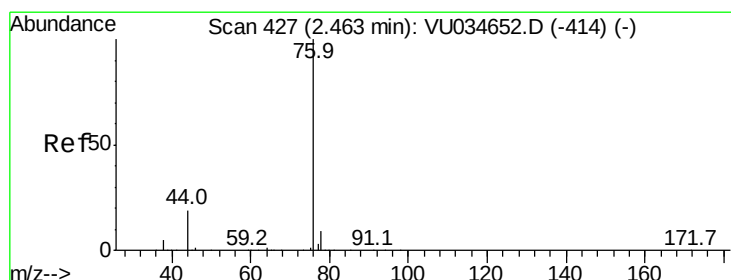
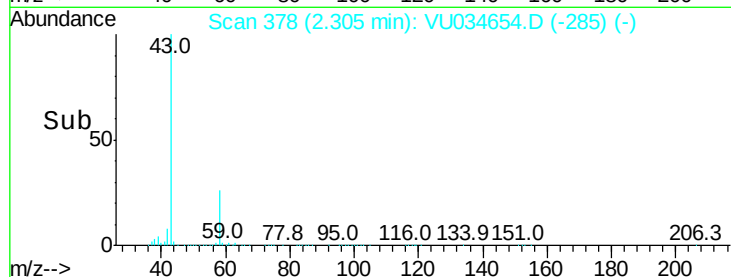
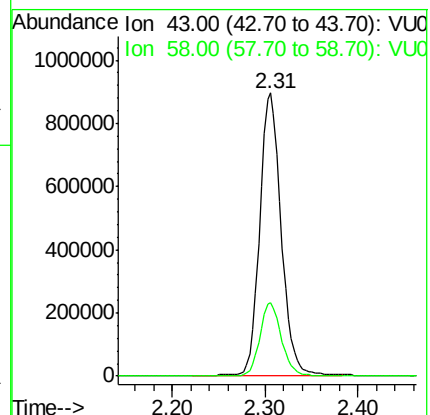
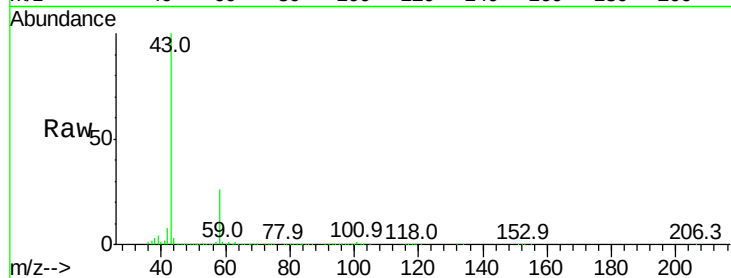
VSTD20035

Tgt Ion: 43 Resp: 1439243

Ion Ratio Lower Upper

43 100

58 25.7 0.0 53.4



#14

Carbon disulfide

Concen: 358.368 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VU034654.D

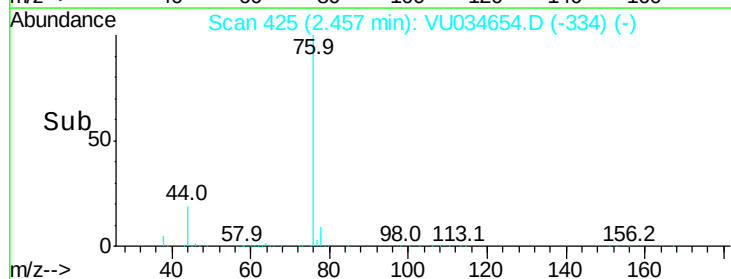
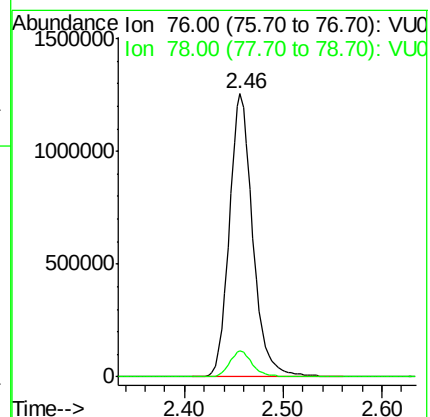
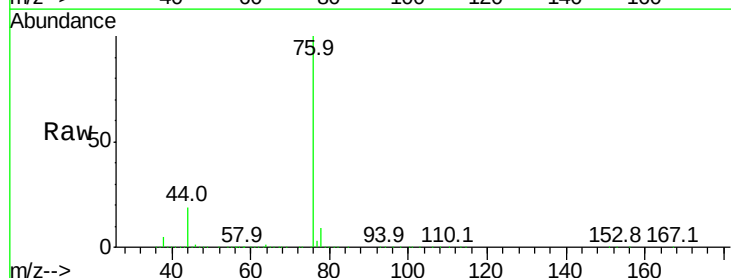
Acq: 19 Sep 2019 17:10

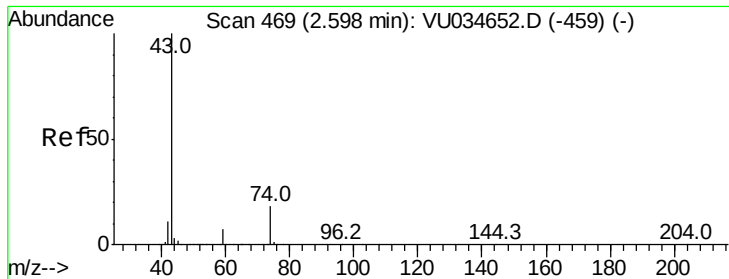
Tgt Ion: 76 Resp: 2091104

Ion Ratio Lower Upper

76 100

78 9.0 6.9 10.3

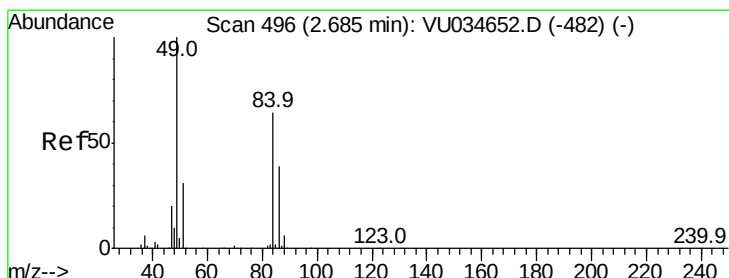
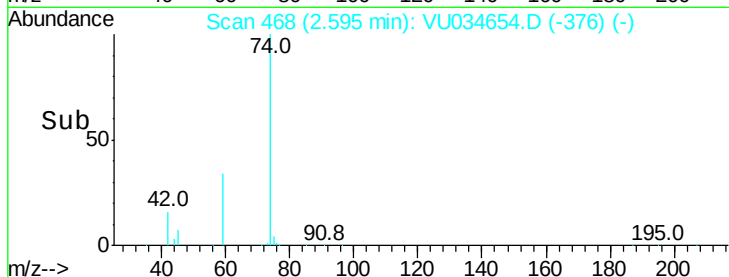
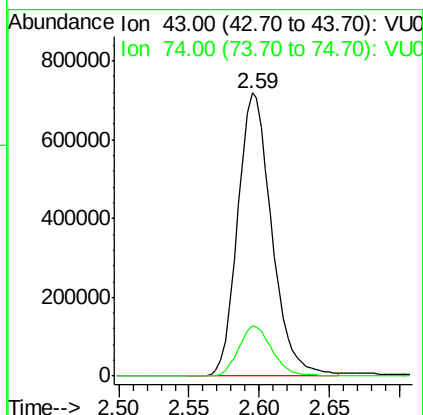
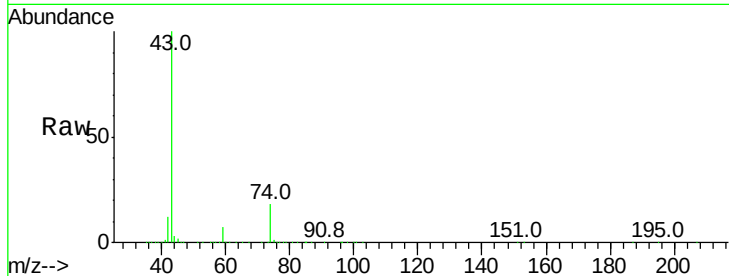




#15
Methyl Acetate
Concen: 302.000 ug/L
RT: 2.59 min Scan# 468
Delta R.T. -0.00 min
Lab File: VU034654.D
Acq: 19 Sep 2019 17:10

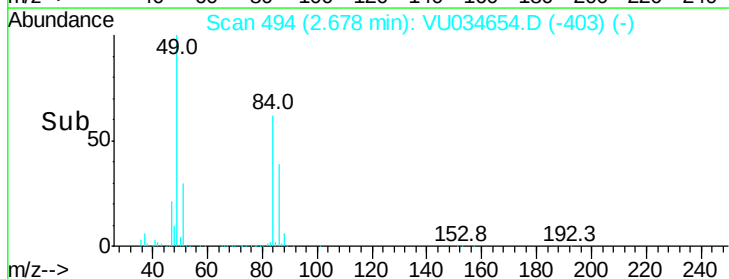
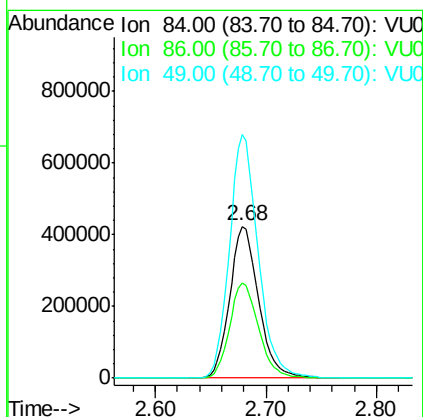
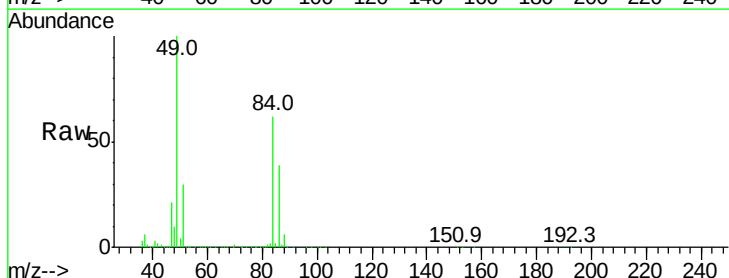
Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

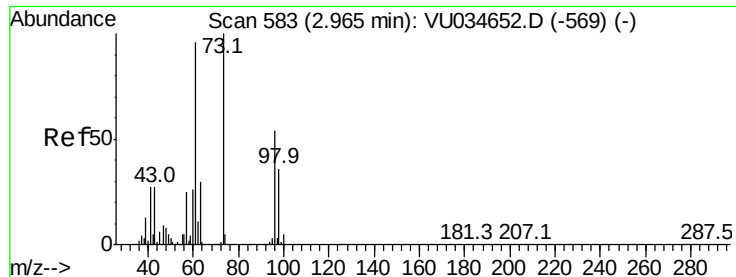
Tgt Ion: 43 Resp: 1208485
Ion Ratio Lower Upper
43 100
74 17.7 14.4 21.6



#16
Methylene chloride
Concen: 244.707 ug/L
RT: 2.68 min Scan# 494
Delta R.T. -0.01 min
Lab File: VU034654.D
Acq: 19 Sep 2019 17:10

Tgt Ion: 84 Resp: 768703
Ion Ratio Lower Upper
84 100
86 62.7 43.0 80.0
49 160.6 109.7 203.7





#17

trans-1,2-Dichloroethene

Concen: 270.486 ug/L

RT: 2.96 min Scan# 581

Delta R.T. -0.01 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20035

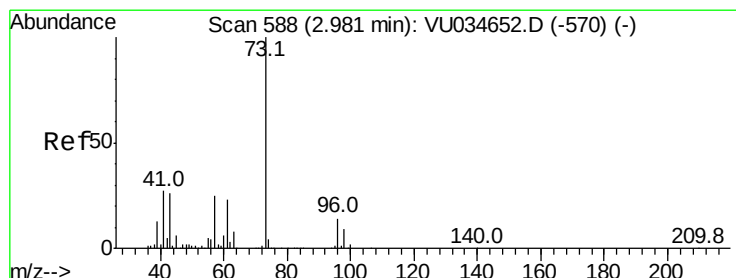
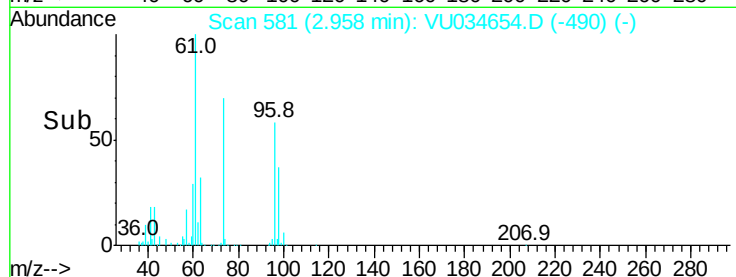
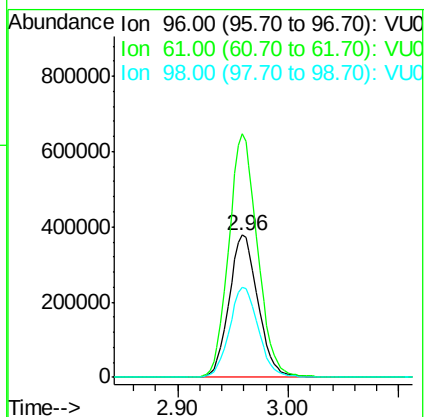
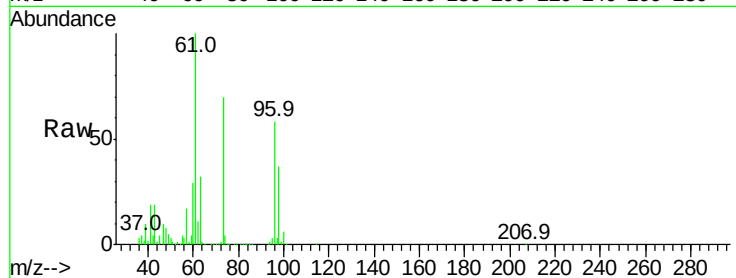
Tgt Ion: 96 Resp: 688065

Ion Ratio Lower Upper

96 100

61 171.4 124.0 230.4

98 63.5 46.1 85.7



#18

Methyl tert-butyl Ether

Concen: 242.239 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

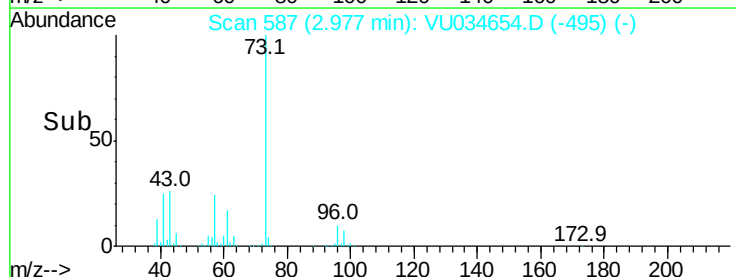
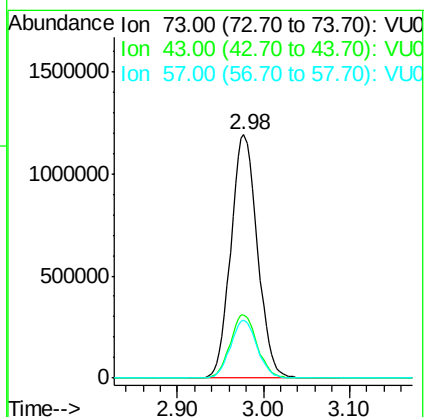
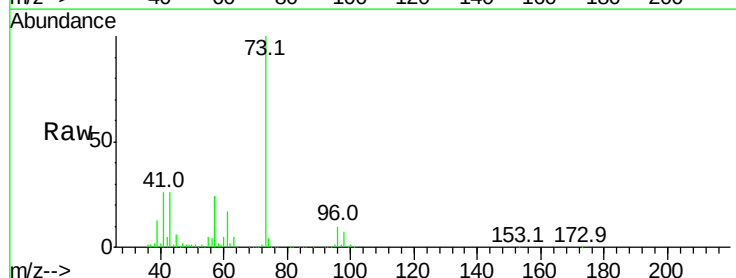
Tgt Ion: 73 Resp: 2551229

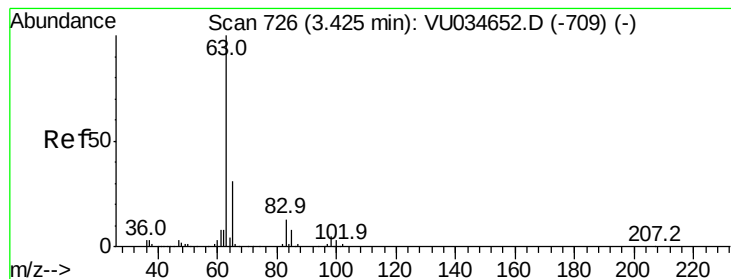
Ion Ratio Lower Upper

73 100

43 26.0 20.9 31.3

57 23.8 19.5 29.3





#19

1,1-Dichloroethane

Concen: 272.084 ug/L

RT: 3.42 min Scan# 724

Delta R.T. -0.01 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20035

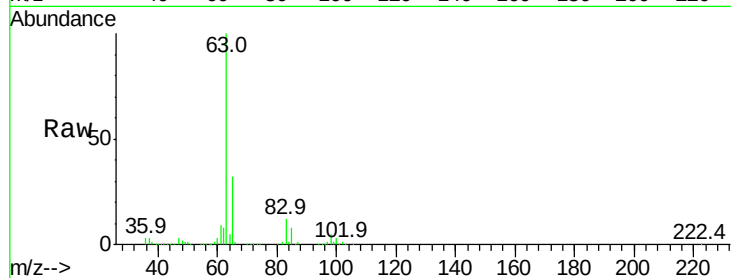
Tgt Ion: 63 Resp: 1558252

Ion Ratio Lower Upper

63 100

65 31.6 22.0 40.8

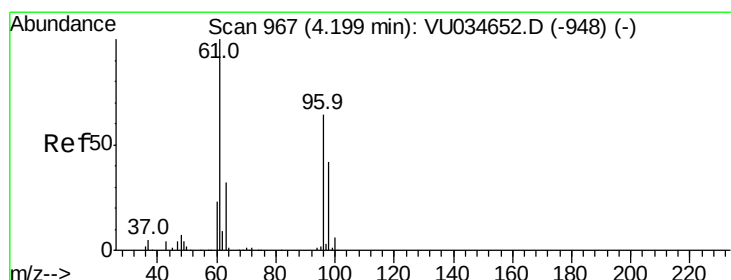
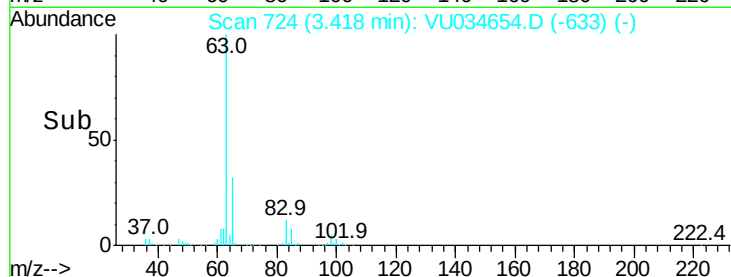
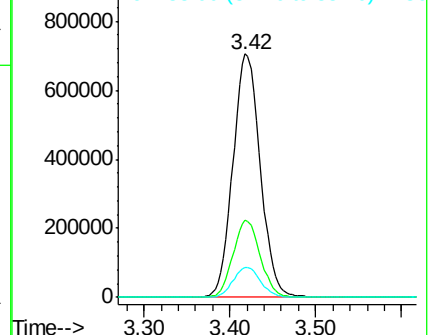
83 12.2 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VU034654.D (-709) (-)

Ion 65.00 (64.70 to 65.70): VU034654.D (-709) (-)

Ion 83.00 (82.70 to 83.70): VU034654.D (-709) (-)



#20

cis-1,2-Dichloroethene

Concen: 242.553 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

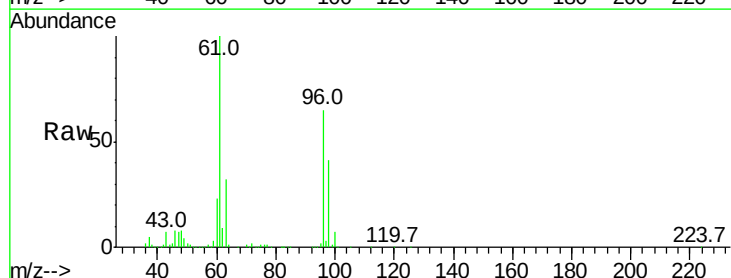
Tgt Ion: 96 Resp: 799075

Ion Ratio Lower Upper

96 100

61 153.4 108.8 202.2

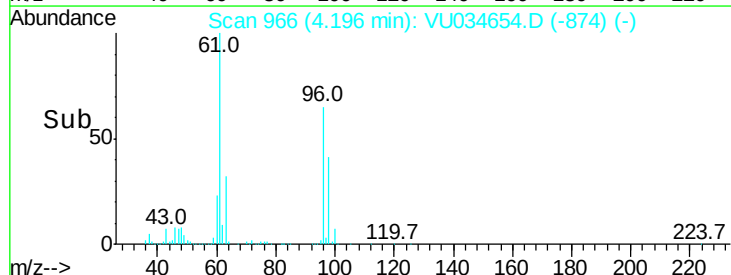
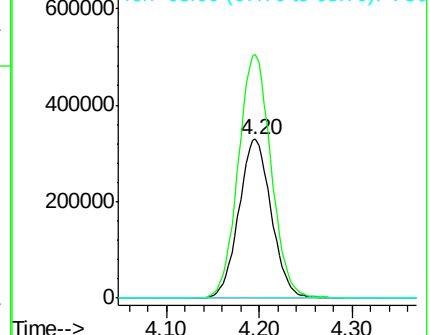
68 0.0 0.0 0.0

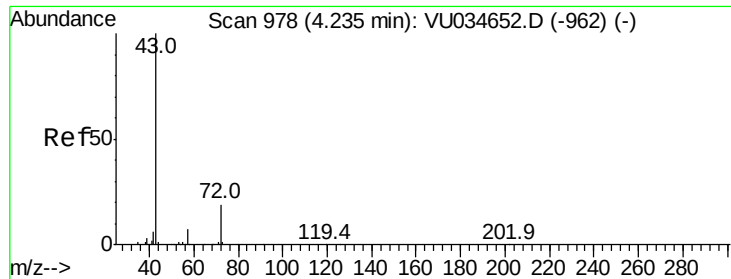


Abundance Ion 96.00 (95.70 to 96.70): VU034654.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU034654.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU034654.D (-874) (-)





#22

2-Butanone

Concen: 647.738 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

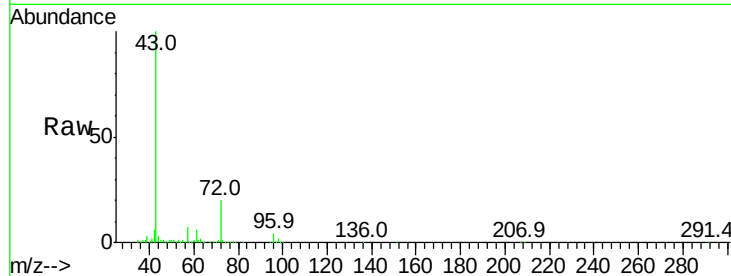
VSTD20035

Tgt Ion: 43 Resp: 2014667

Ion Ratio Lower Upper

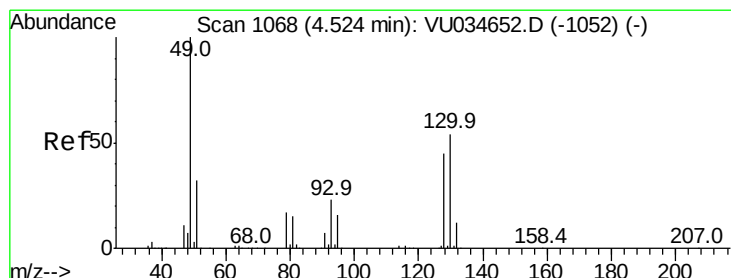
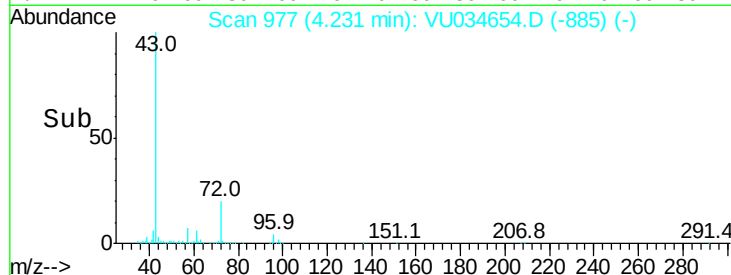
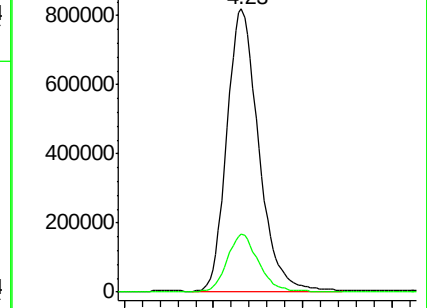
43 100

72 20.5 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034652.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034652.D (-962) (-)



#23

Bromochloromethane

Concen: 248.132 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Tgt Ion: 128 Resp: 385933

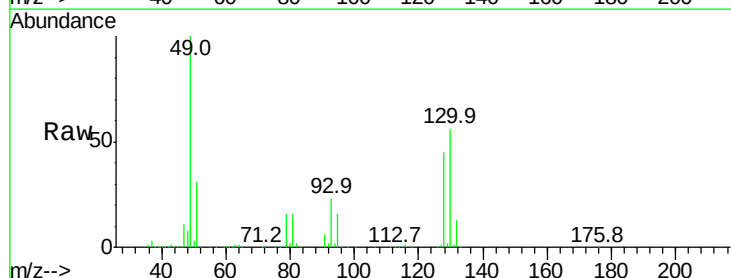
Ion Ratio Lower Upper

128 100

49 220.6 154.3 286.7

130 123.1 83.0 154.2

51 68.5 56.4 84.6

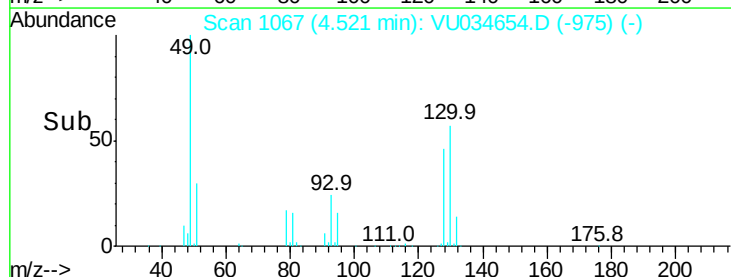
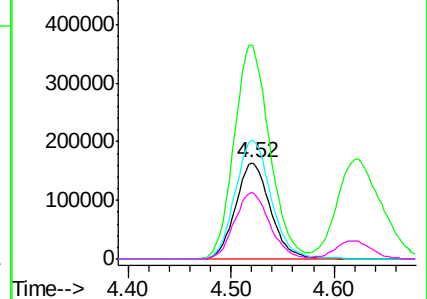


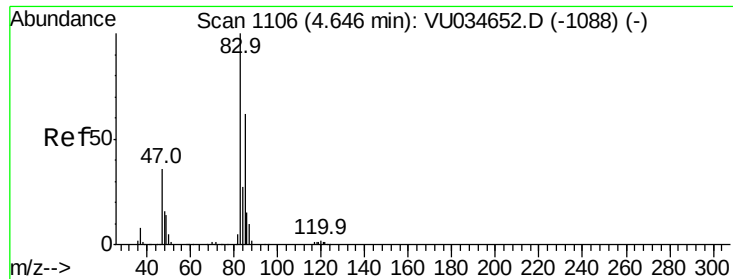
Abundance Ion 128.00 (127.70 to 128.70): VU034652.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU034652.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU034652.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU034652.D (-1052) (-)





#25

Chloroform

Concen: 246.892 ug/L

RT: 4.64 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

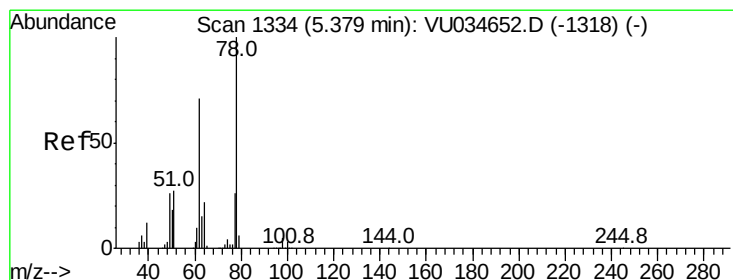
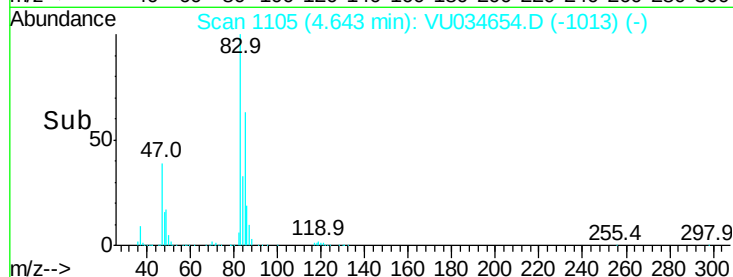
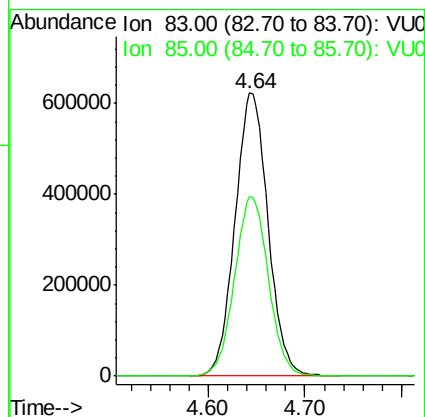
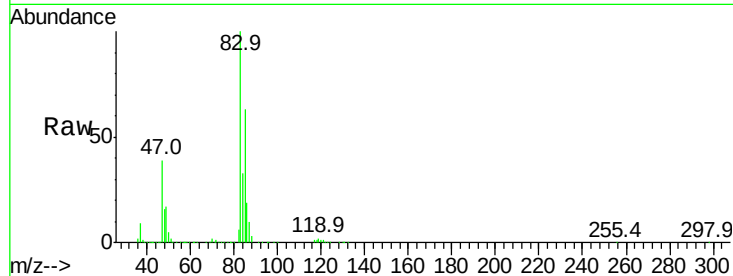
VSTD20035

Tgt Ion: 83 Resp: 1478699

Ion Ratio Lower Upper

83 100

85 63.4 44.0 81.6



#27

1,2-Dichloroethane

Concen: 309.460 ug/L

RT: 5.38 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VU034654.D

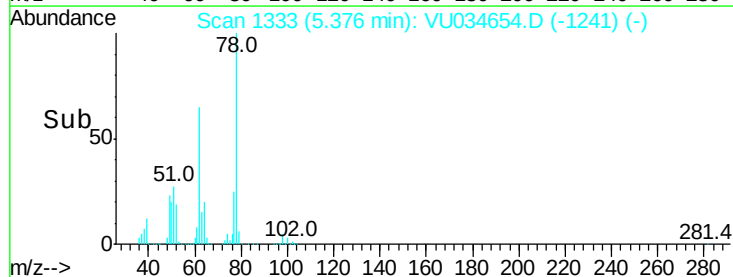
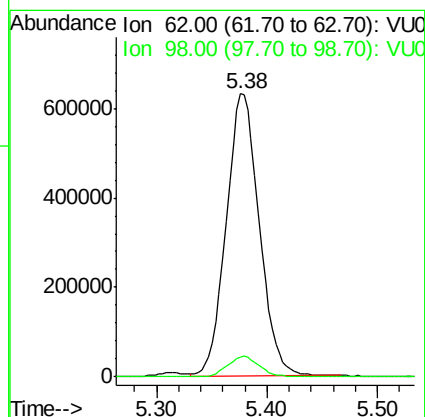
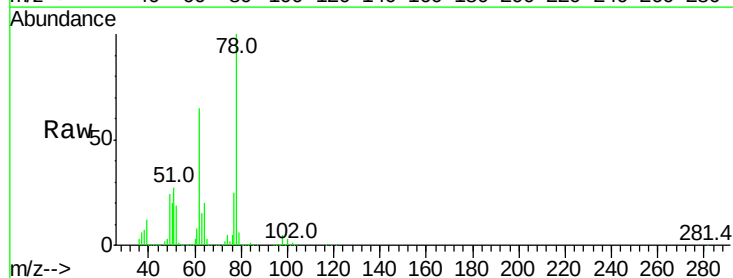
Acq: 19 Sep 2019 17:10

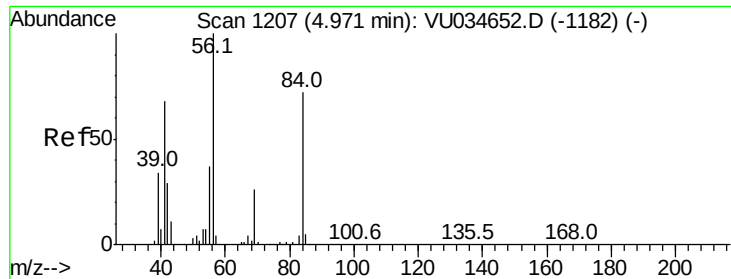
Tgt Ion: 62 Resp: 1312329

Ion Ratio Lower Upper

62 100

98 7.2 5.3 7.9

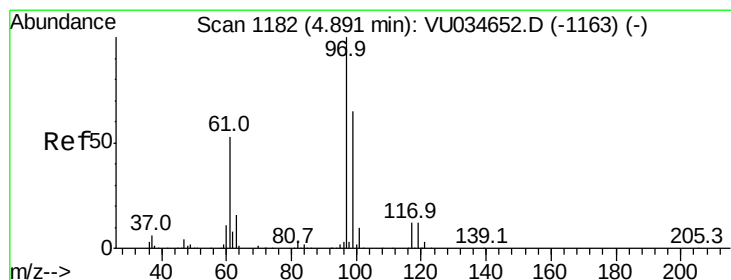
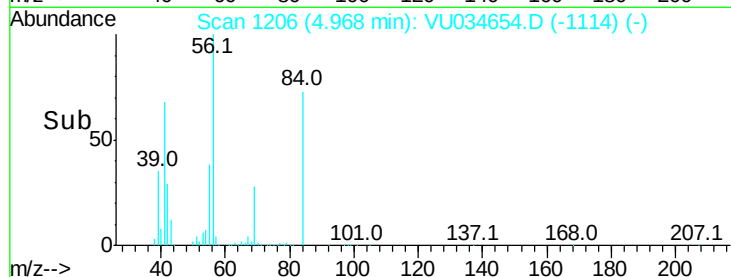
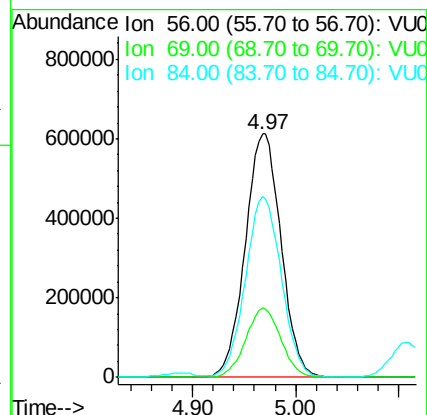
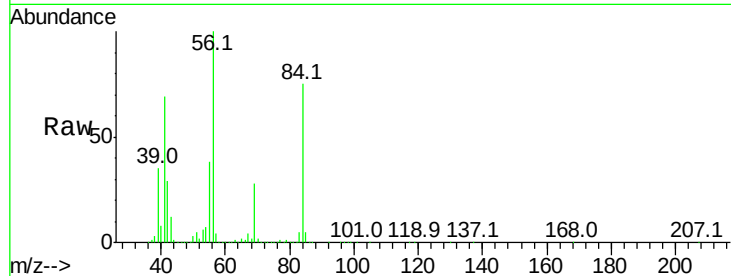




#29
Cyclohexane
Concen: 304.516 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034654.D
Acq: 19 Sep 2019 17:10

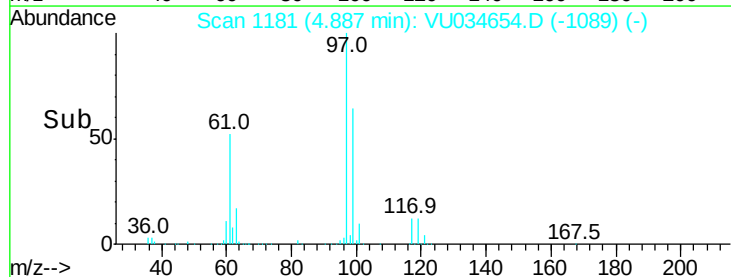
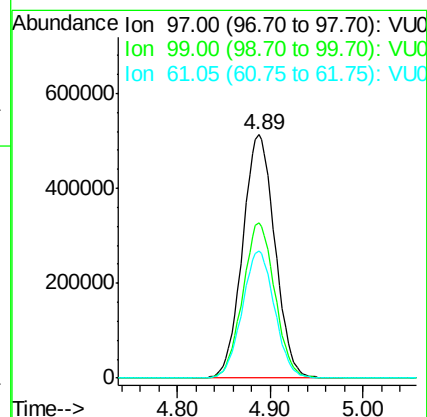
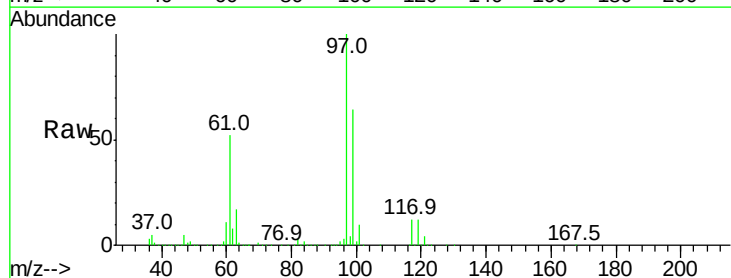
Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

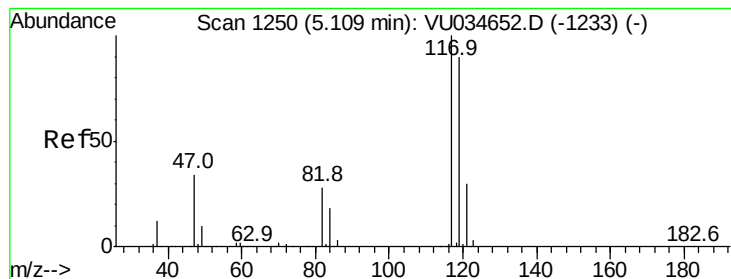
Tgt Ion: 56 Resp: 1477046
Ion Ratio Lower Upper
56 100
69 27.9 21.7 32.5
84 74.2 58.8 88.2



#30
1,1,1-Trichloroethane
Concen: 249.899 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034654.D
Acq: 19 Sep 2019 17:10

Tgt Ion: 97 Resp: 1242452
Ion Ratio Lower Upper
97 100
99 63.2 51.8 77.8
61 52.0 43.4 65.0





#31

Carbon tetrachloride

Concen: 256.058 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

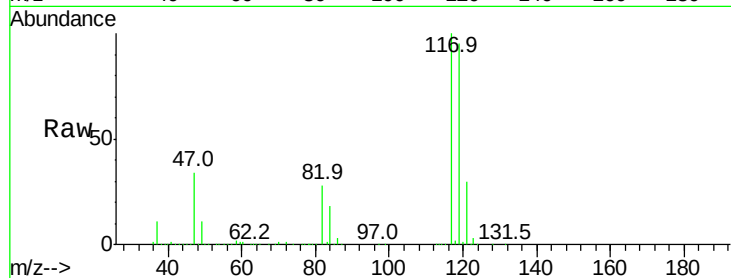
VSTD20035

Tgt Ion:117 Resp: 1074758

Ion Ratio Lower Upper

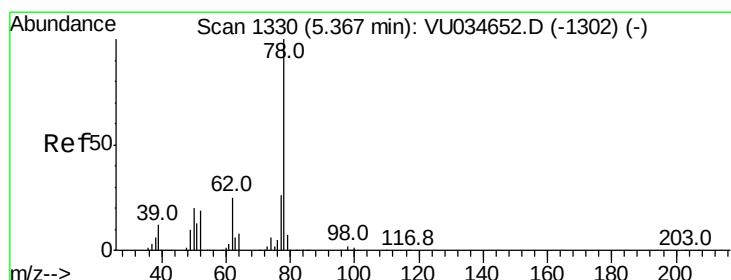
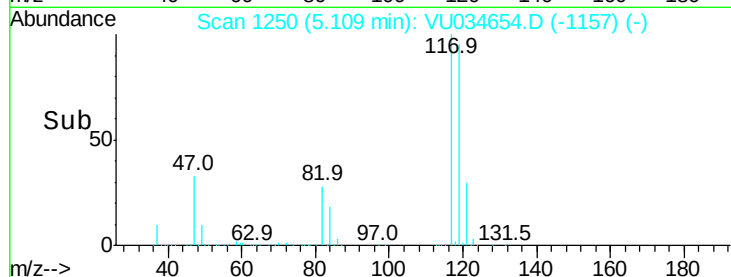
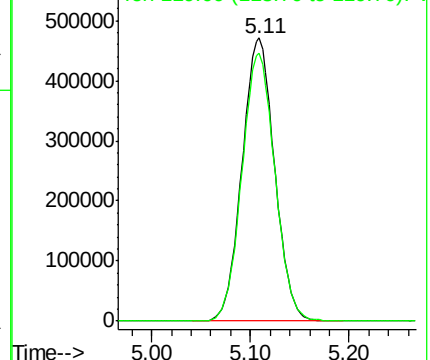
117 100

119 96.2 74.8 112.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 252.445 ug/L

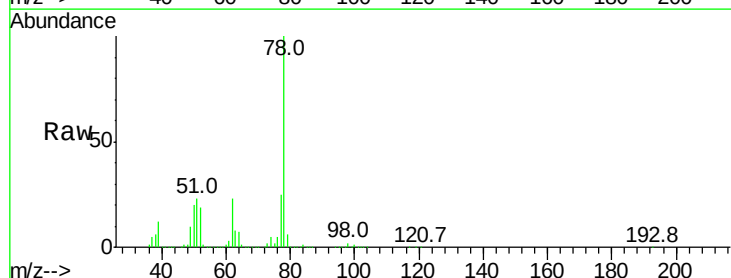
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

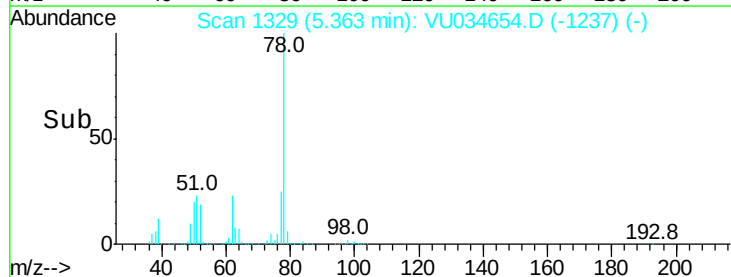
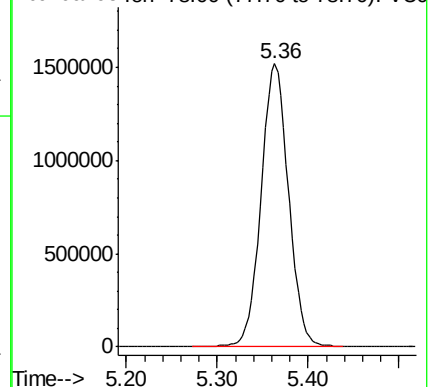
Lab File: VU034654.D

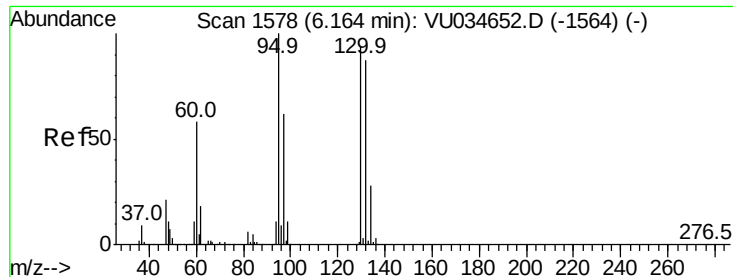
Acq: 19 Sep 2019 17:10

Tgt Ion: 78 Resp: 3186070



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 252.080 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20035

Tgt Ion: 95 Resp: 792502

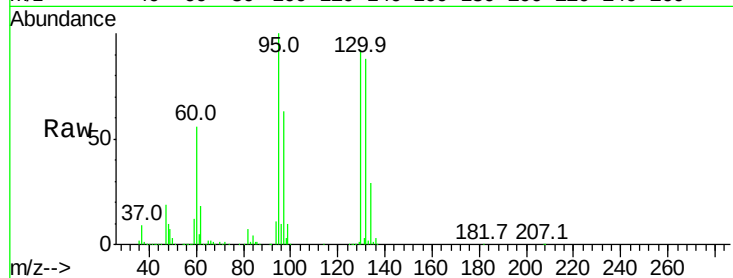
Ion Ratio Lower Upper

95 100

97 62.9 43.7 81.1

132 88.2 61.0 113.2

130 92.5 65.7 121.9

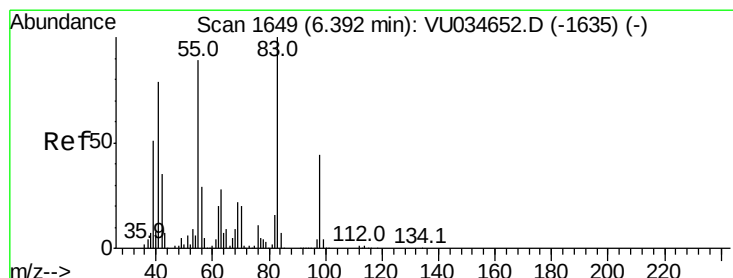
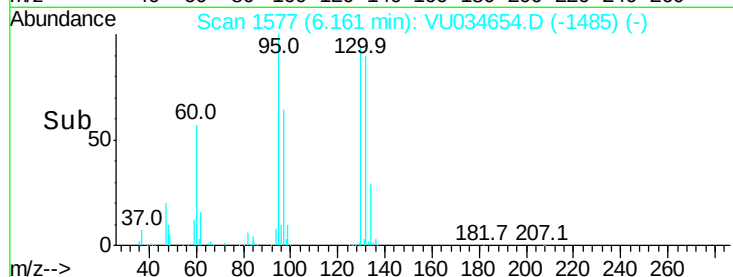
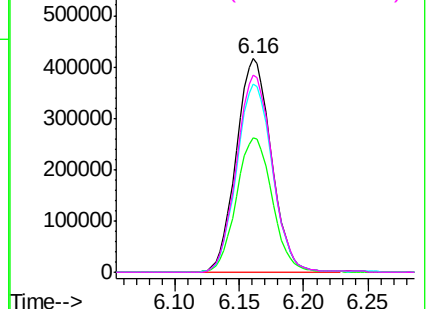


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 277.622 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

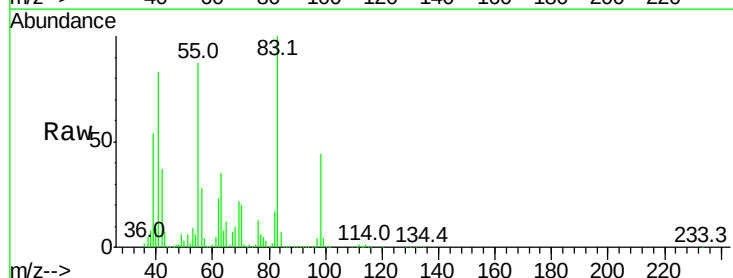
Tgt Ion: 83 Resp: 1323196

Ion Ratio Lower Upper

83 100

55 87.2 71.6 107.4

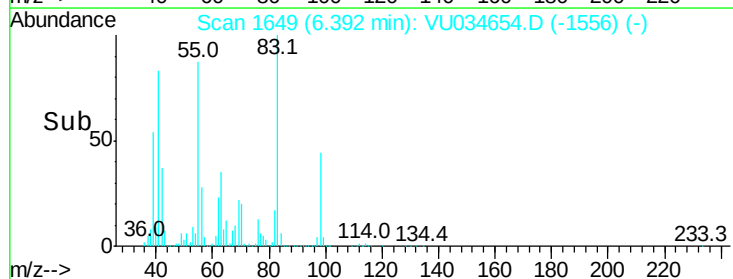
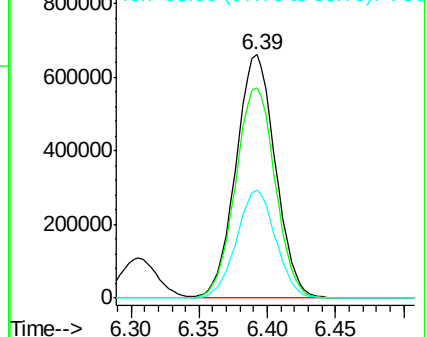
98 44.1 35.7 53.5

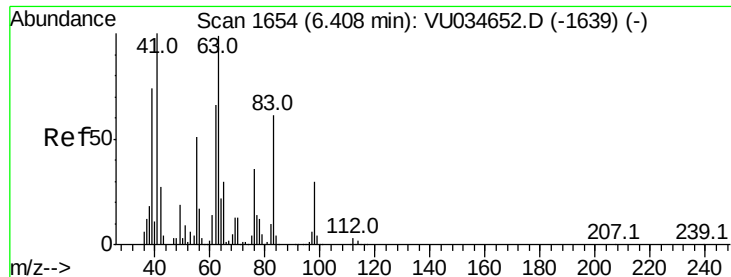


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

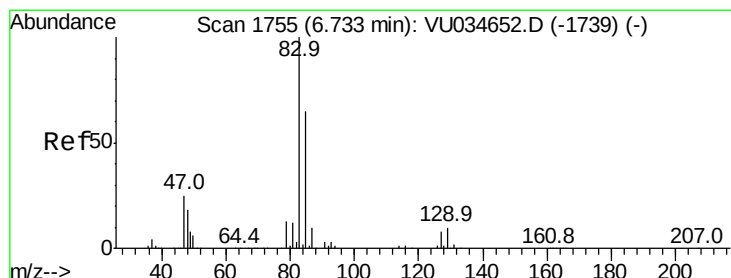
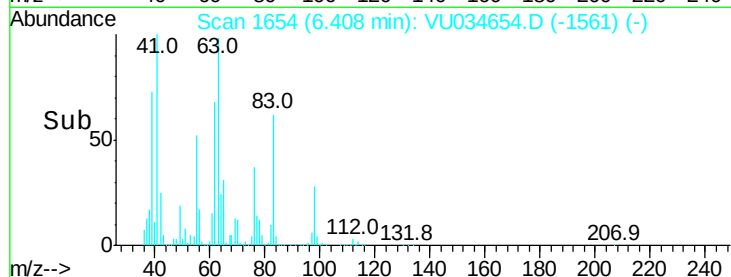
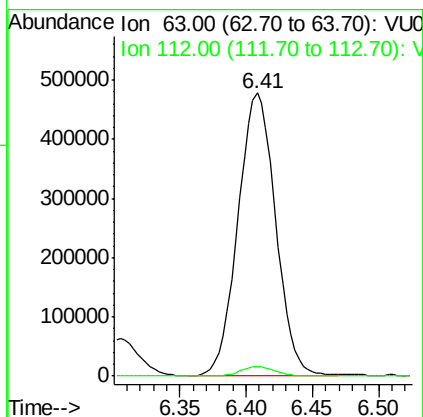
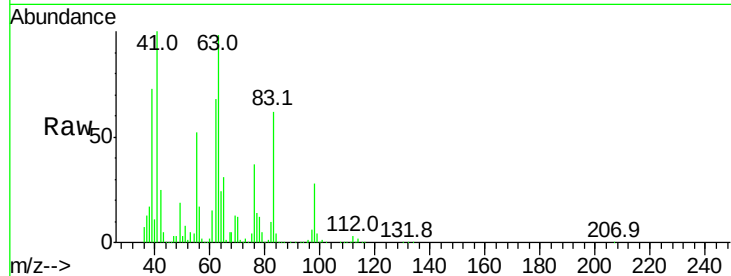




#37
 1,2-Dichloropropane
 Concen: 245.686 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

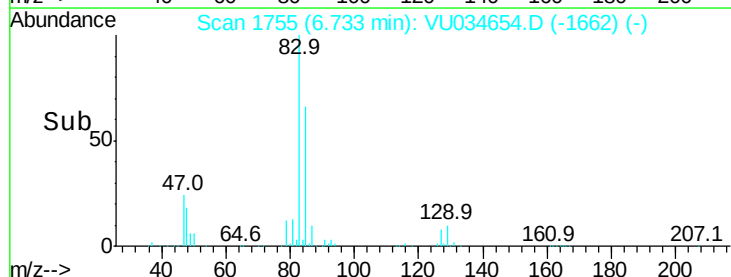
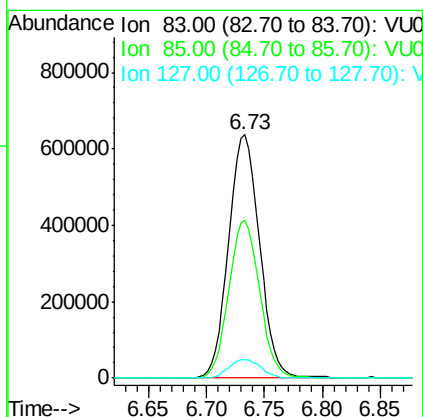
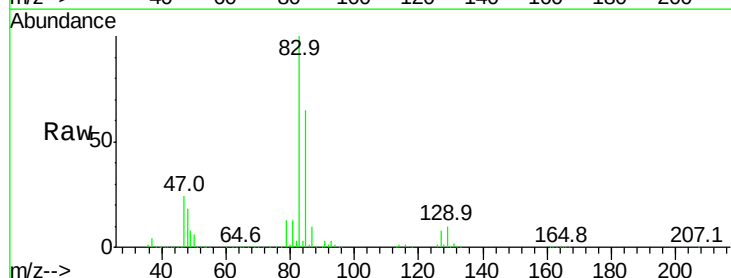
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20035

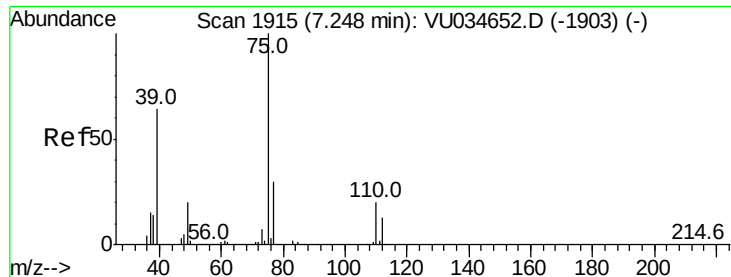
Tgt Ion: 63 Resp: 941122
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.4 3.6



#38
 Bromodichloromethane
 Concen: 235.092 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

Tgt Ion: 83 Resp: 1177244
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.5 84.5
 127 7.7 6.1 9.1

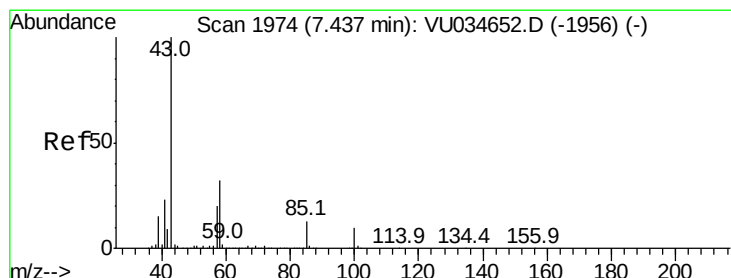
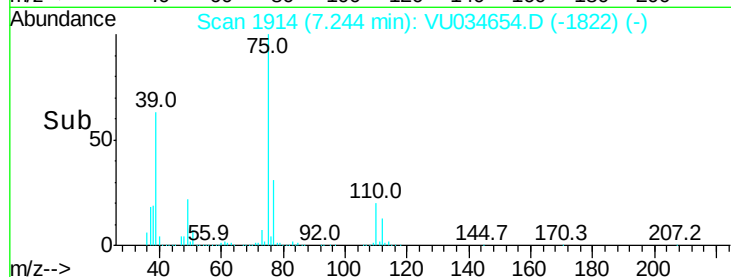
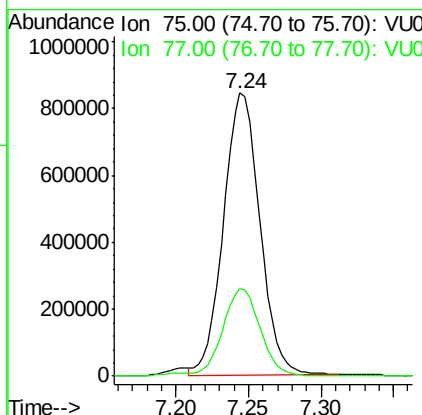
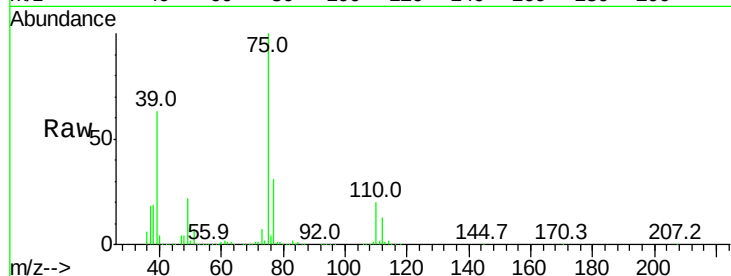




#39
 cis-1,3-Dichloropropene
 Concen: 255.061 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

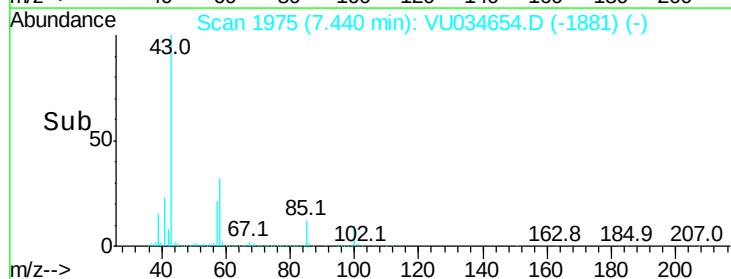
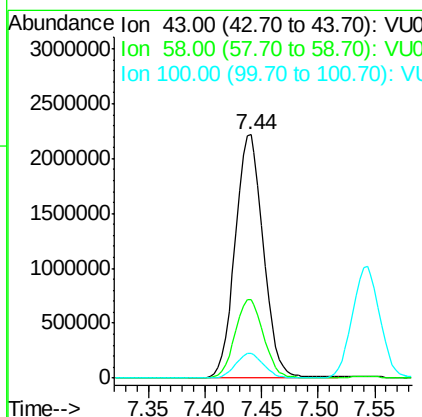
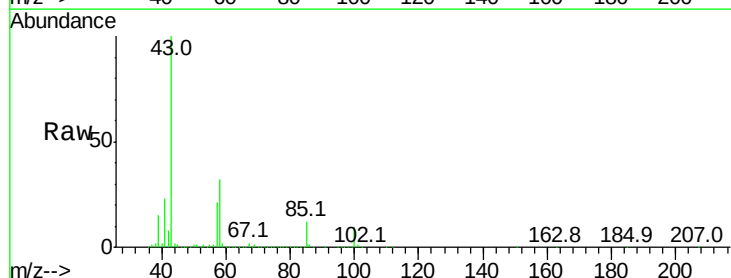
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20035

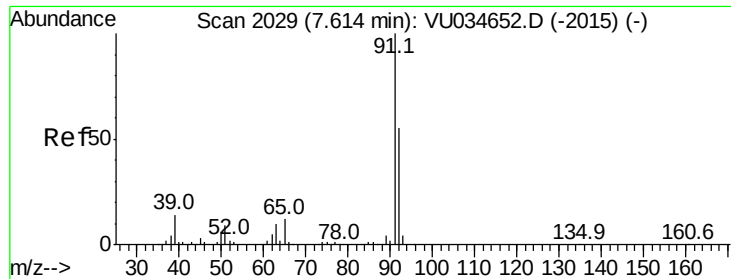
Tgt Ion: 75 Resp: 1467897
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 579.884 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

Tgt Ion: 43 Resp: 3863877
 Ion Ratio Lower Upper
 43 100
 58 32.4 25.2 37.8
 100 10.1 7.7 11.5





#42

Toluene

Concen: 256.275 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

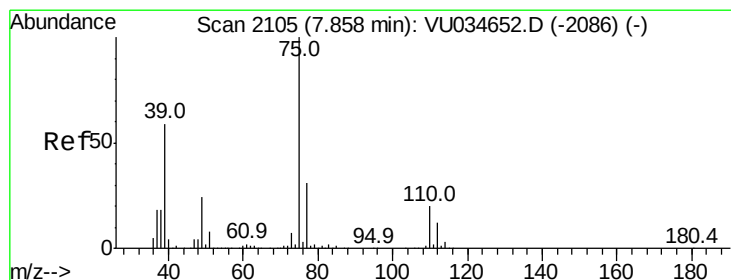
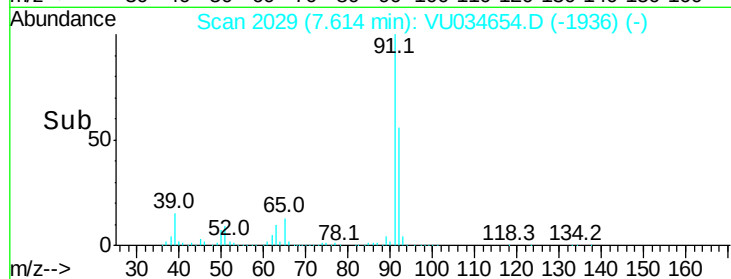
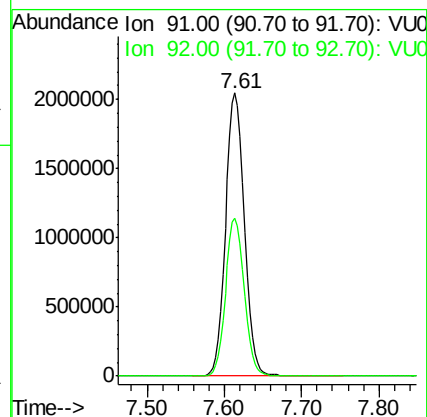
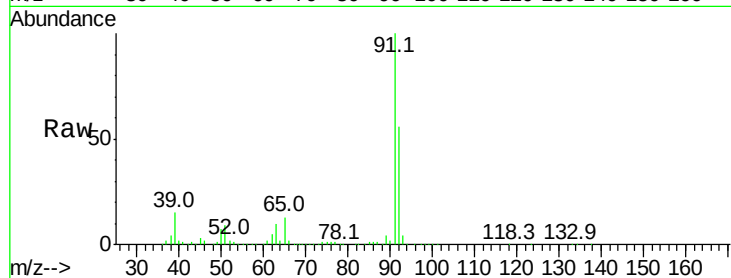
VSTD20035

Tgt Ion: 91 Resp: 3487359

Ion Ratio Lower Upper

91 100

92 56.0 38.2 71.0



#44

trans-1,3-Dichloropropene

Concen: 263.691 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VU034654.D

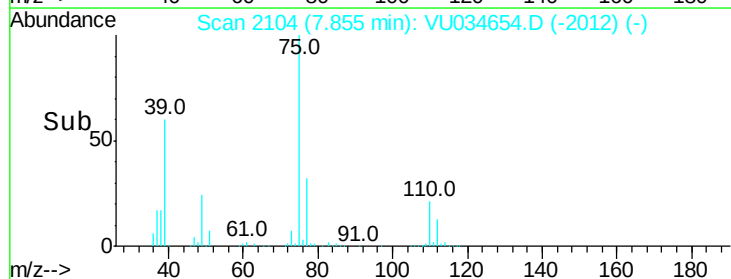
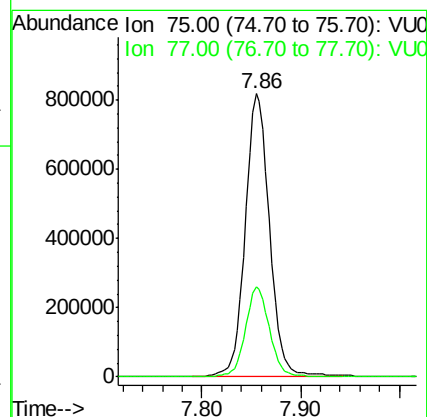
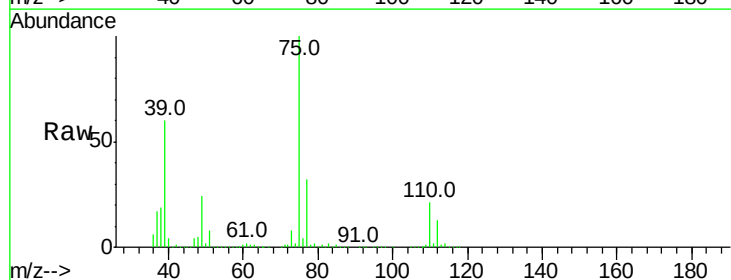
Acq: 19 Sep 2019 17:10

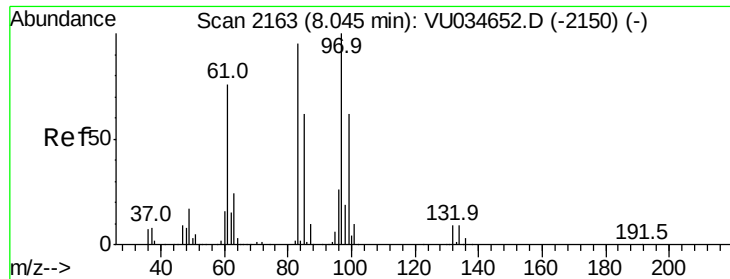
Tgt Ion: 75 Resp: 1391555

Ion Ratio Lower Upper

75 100

77 31.7 21.4 39.8

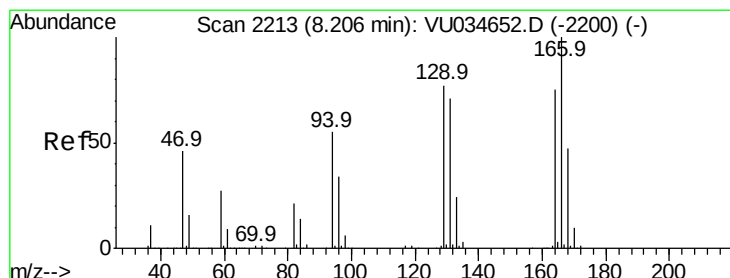
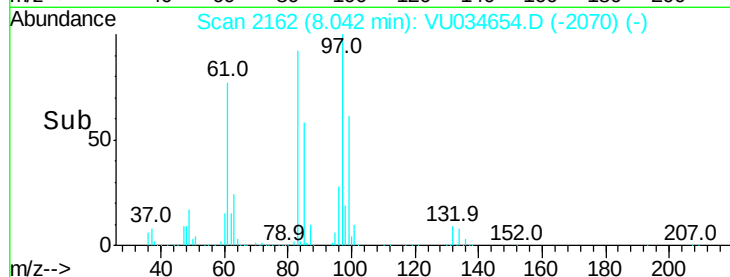
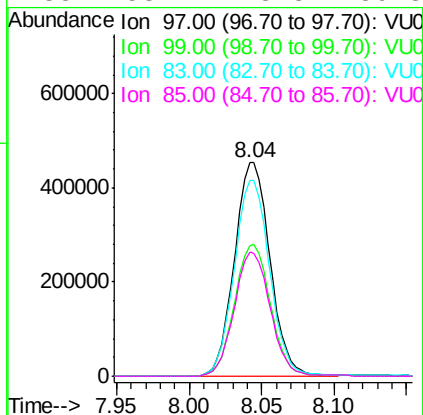
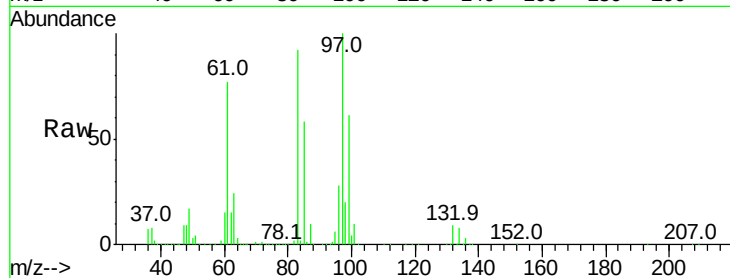




#45
 1,1,2-Trichloroethane
 Concen: 222.559 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

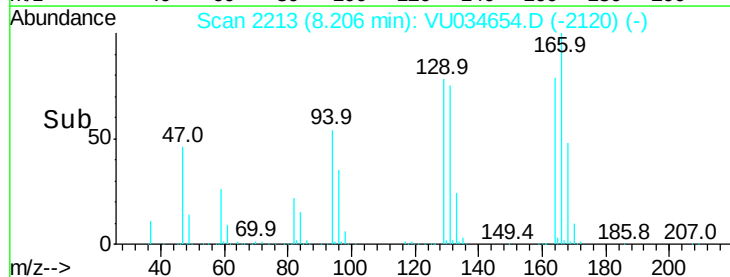
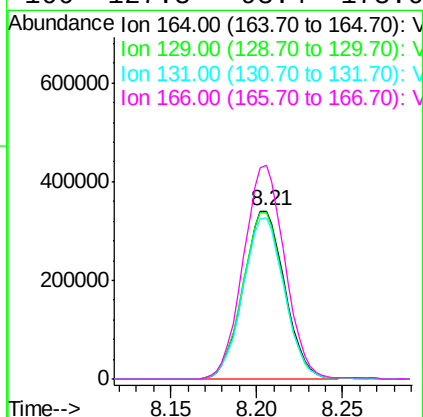
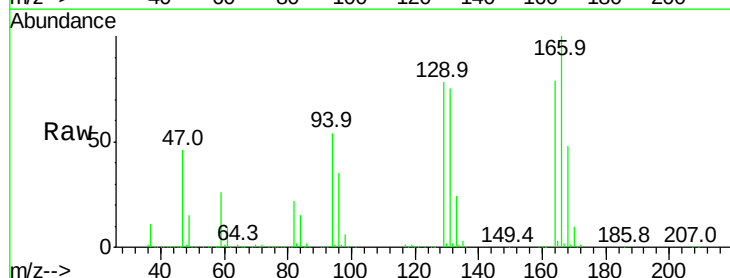
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20035

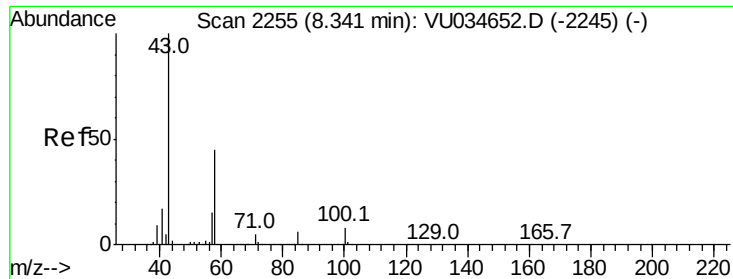
Tgt Ion:	97	Resp:	778005
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.6	81.0
83	91.9	66.9	124.3
85	58.1	43.3	80.3



#46
 Tetrachloroethene
 Concen: 272.522 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

Tgt Ion:	164	Resp:	568714
Ion	Ratio	Lower	Upper
164	100		
129	99.5	71.9	133.5
131	96.0	66.3	123.1
166	127.3	93.4	173.6

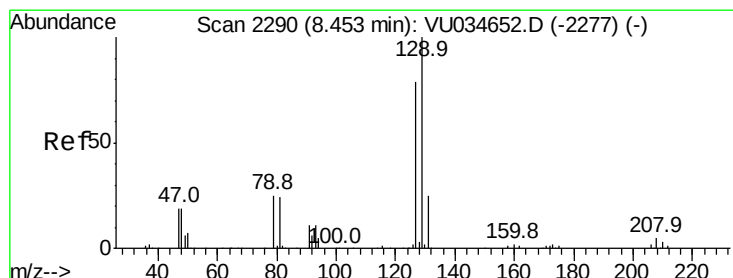
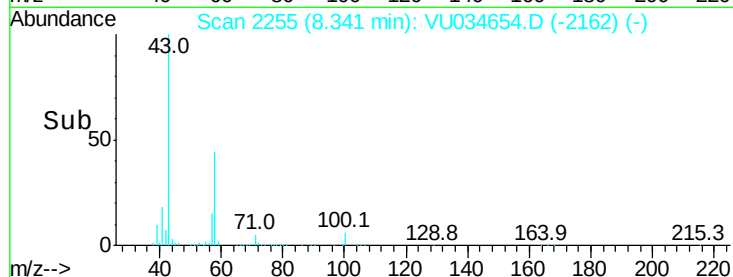
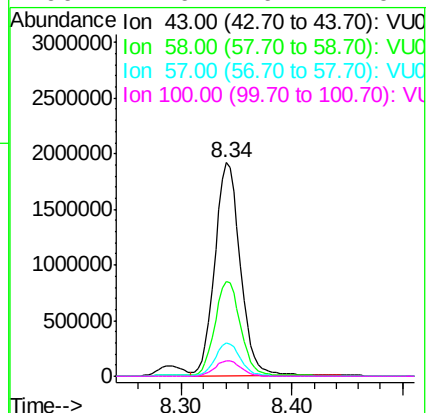
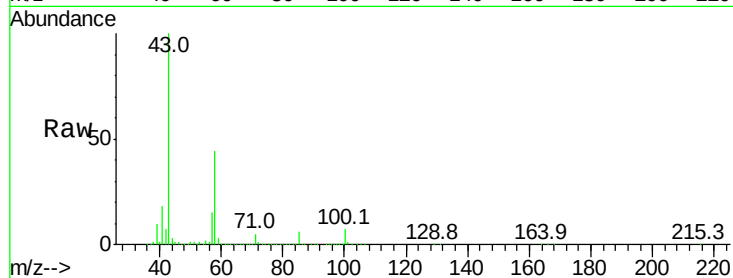




#48
2-Hexanone
Concen: 612.508 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034654.D
Acq: 19 Sep 2019 17:10

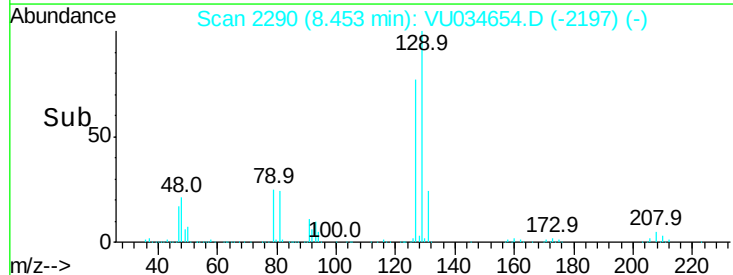
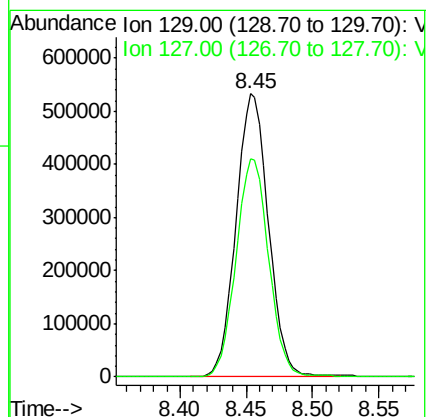
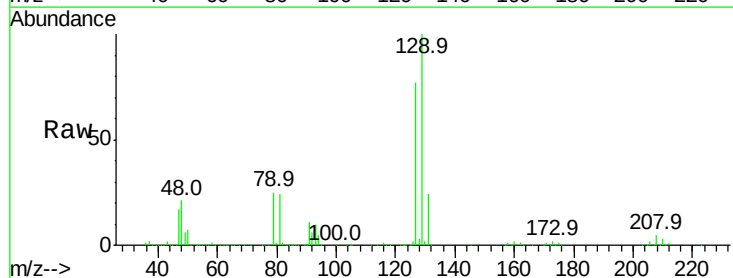
Instrument :
MSVOA_U
ClientSampleId :
VSTD20035

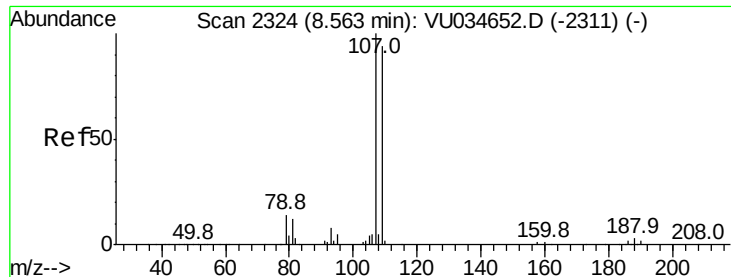
Tgt Ion: 43 Resp: 3066096
Ion Ratio Lower Upper
43 100
58 45.7 35.3 52.9
57 15.5 12.1 18.1
100 7.6 6.2 9.4



#49
Dibromochloromethane
Concen: 228.801 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034654.D
Acq: 19 Sep 2019 17:10

Tgt Ion: 129 Resp: 905838
Ion Ratio Lower Upper
129 100
127 77.1 55.5 103.1

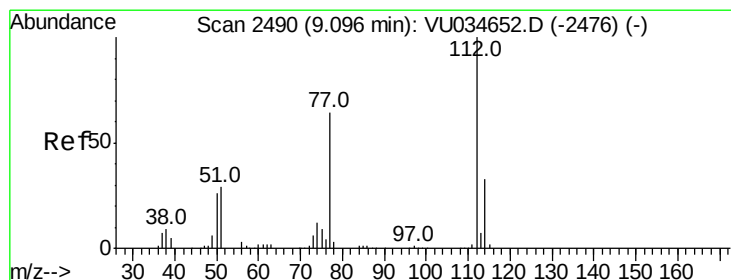
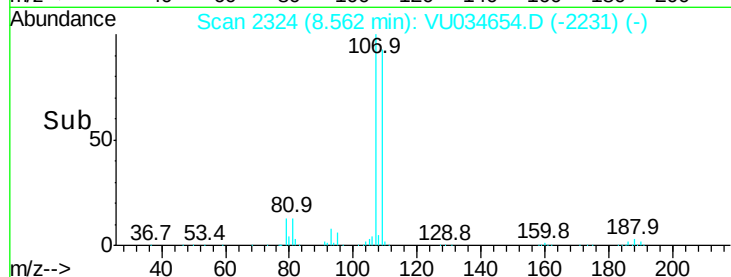
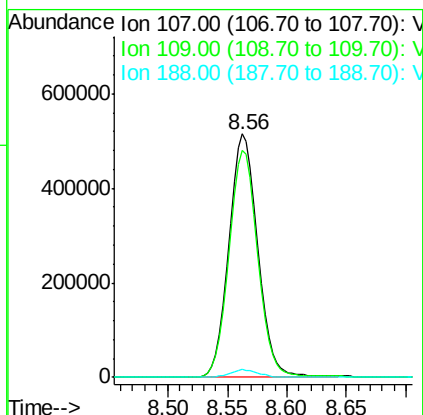
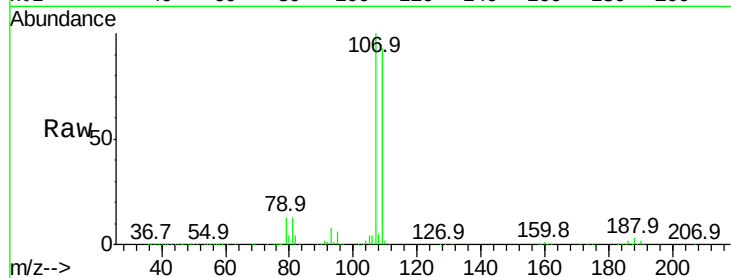




#50
 1,2-Dibromoethane
 Concen: 237.373 ug/L
 RT: 8.56 min Scan# 2324
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

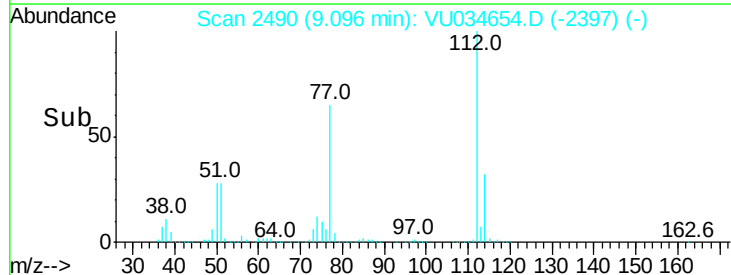
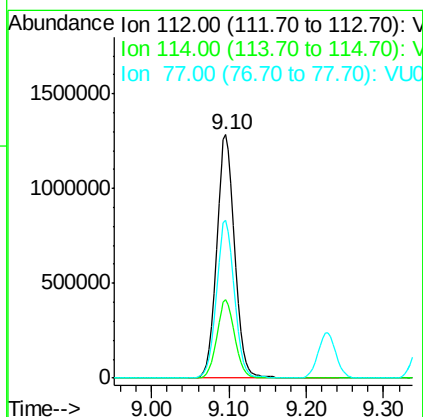
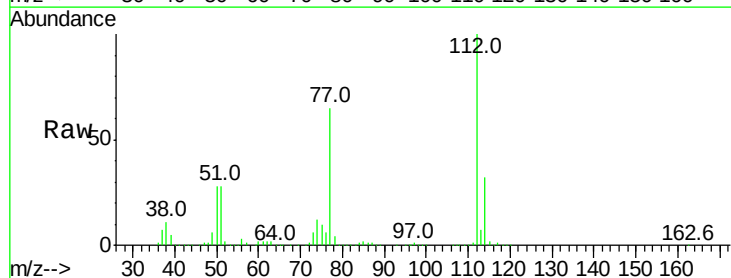
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20035

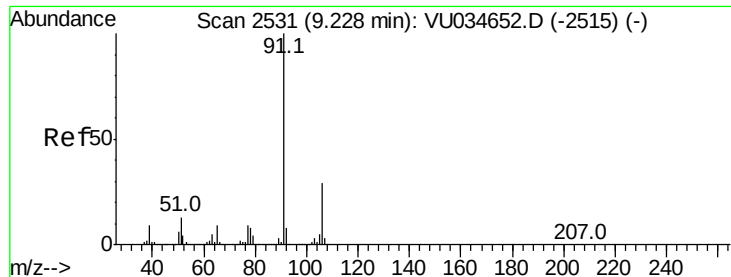
Tgt Ion:107 Resp: 867310
 Ion Ratio Lower Upper
 107 100
 109 93.1 65.5 121.6
 188 3.1 2.7 4.1



#51
 Chlorobenzene
 Concen: 238.330 ug/L
 RT: 9.10 min Scan# 2490
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

Tgt Ion:112 Resp: 2118809
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.8 42.4
 77 64.8 51.5 77.3





#52

Ethylbenzene

Concen: 250.192 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

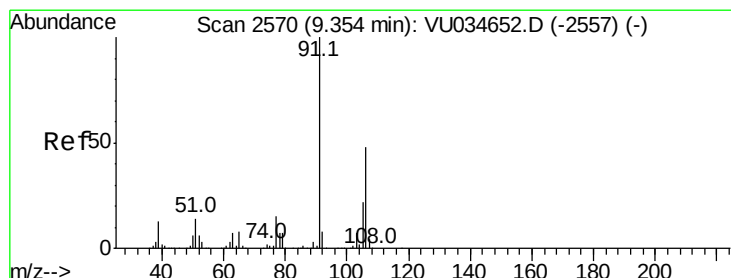
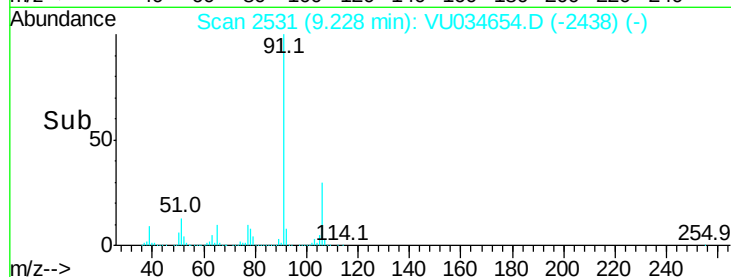
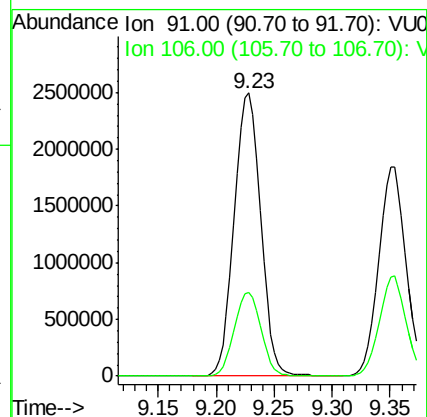
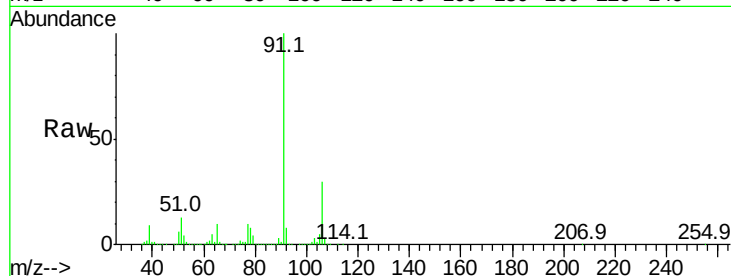
VSTD20035

Tgt Ion: 91 Resp: 3939129

Ion Ratio Lower Upper

91 100

106 29.7 20.6 38.4



#53

m,p-Xylene

Concen: 250.983 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034654.D

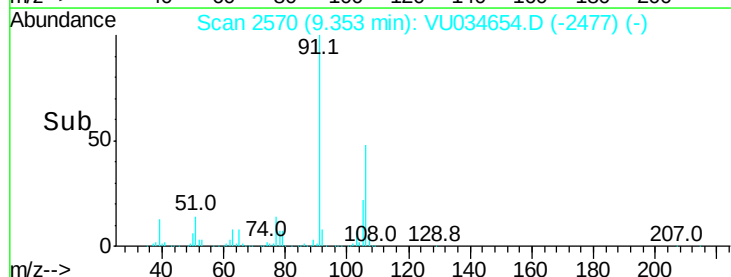
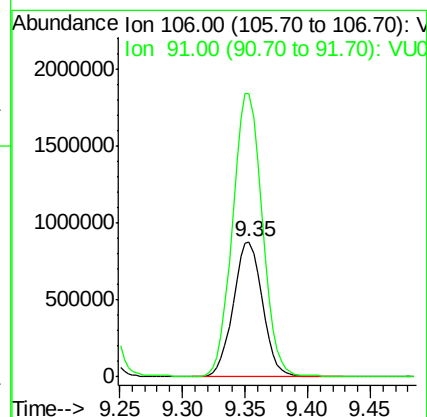
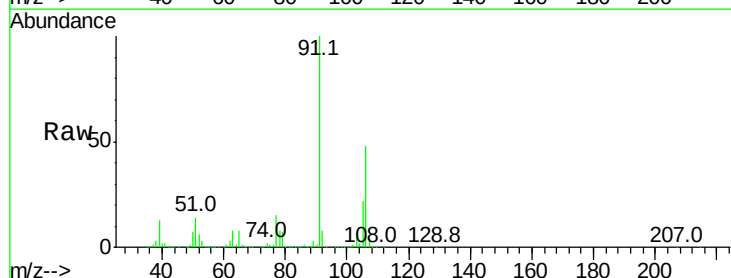
Acq: 19 Sep 2019 17:10

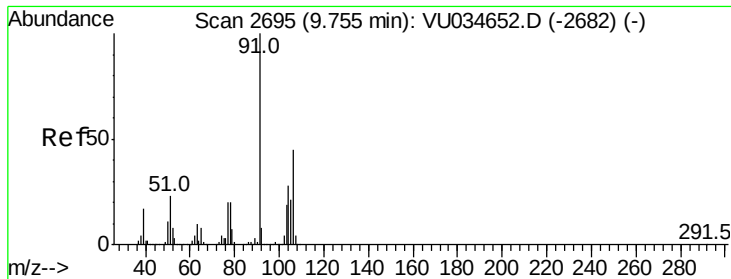
Tgt Ion: 106 Resp: 1420680

Ion Ratio Lower Upper

106 100

91 209.2 146.9 272.7





#54

o-xylene

Concen: 247.538 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

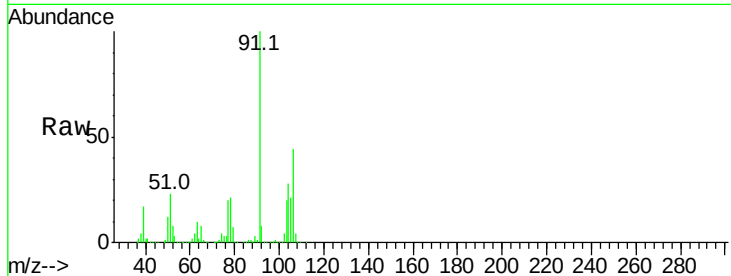
VSTD20035

Tgt Ion:106 Resp: 1421550

Ion Ratio Lower Upper

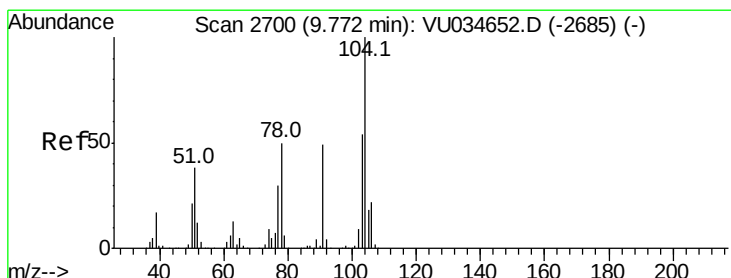
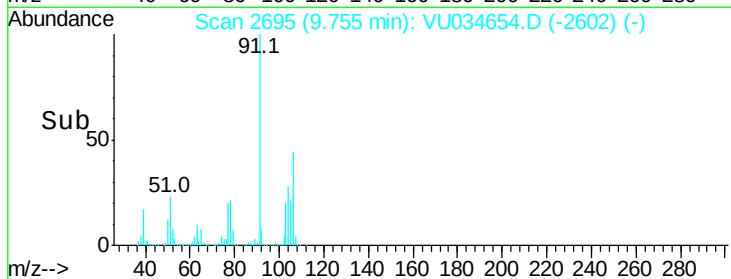
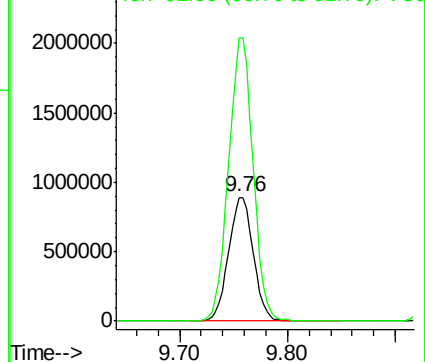
106 100

91 229.2 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 251.505 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VU034654.D

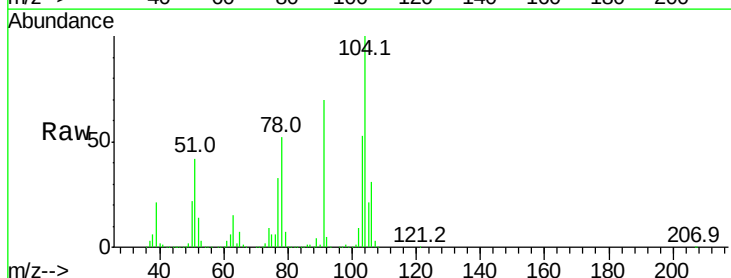
Acq: 19 Sep 2019 17:10

Tgt Ion:104 Resp: 2485995

Ion Ratio Lower Upper

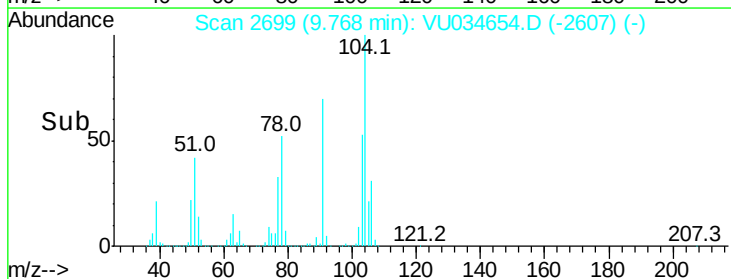
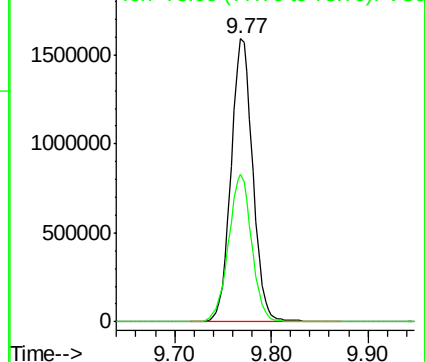
104 100

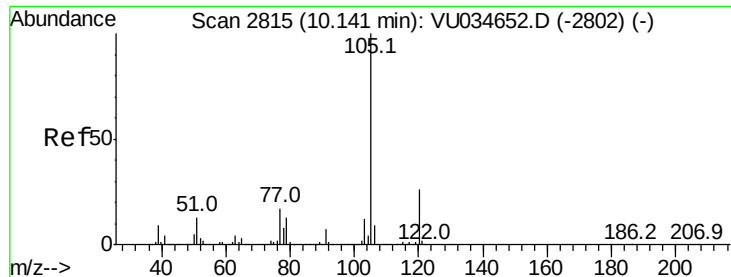
78 52.0 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 245.599 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD20035

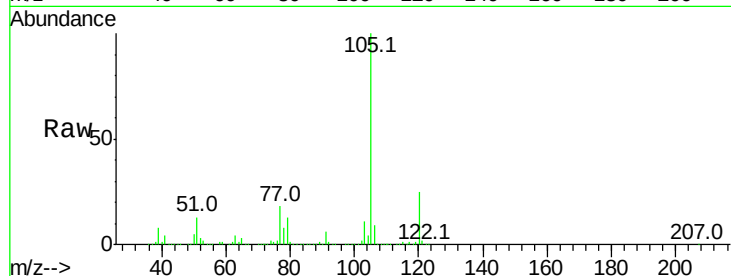
Tgt Ion:105 Resp: 3793496

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

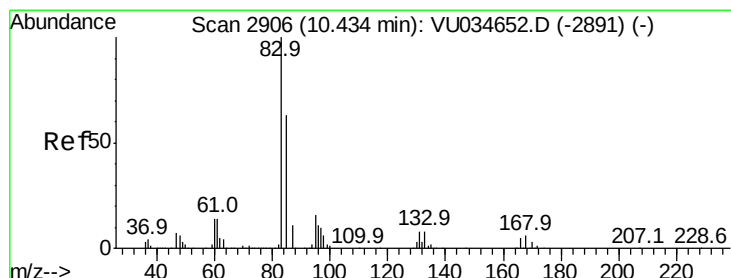
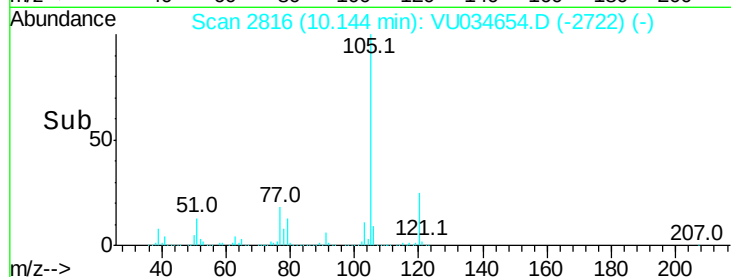
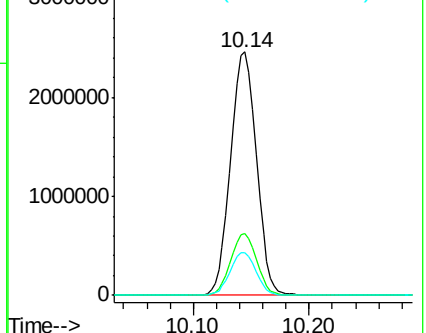
77 17.8 14.2 21.4



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: 218.004 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

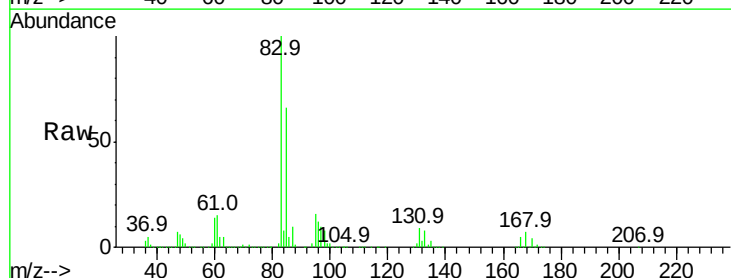
Tgt Ion: 83 Resp: 1515467

Ion Ratio Lower Upper

83 100

85 65.5 44.6 82.8

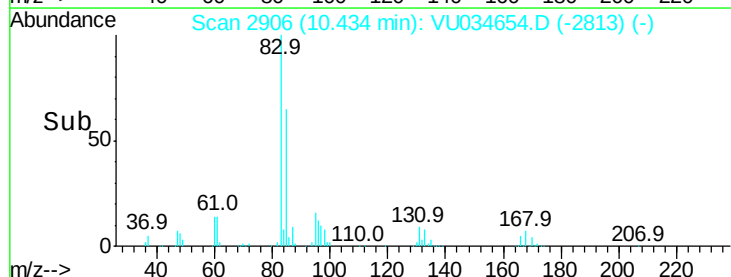
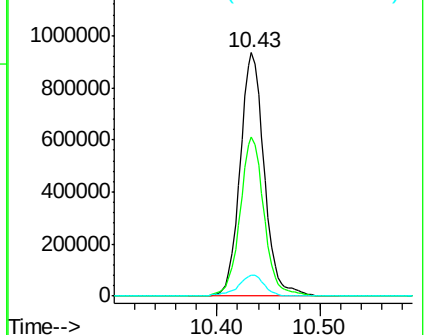
131 8.6 6.6 10.0

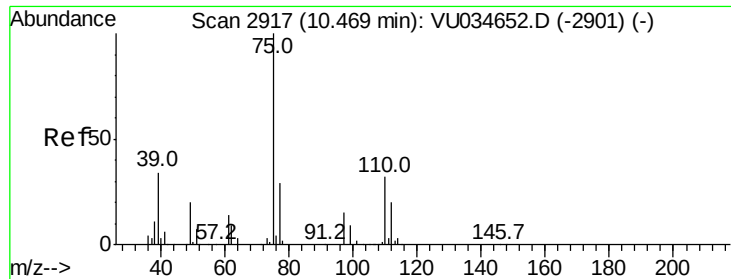


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 232.890 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

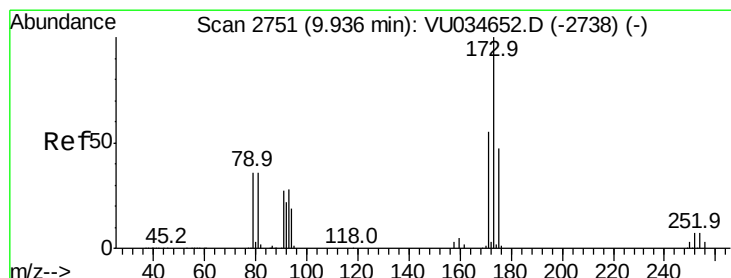
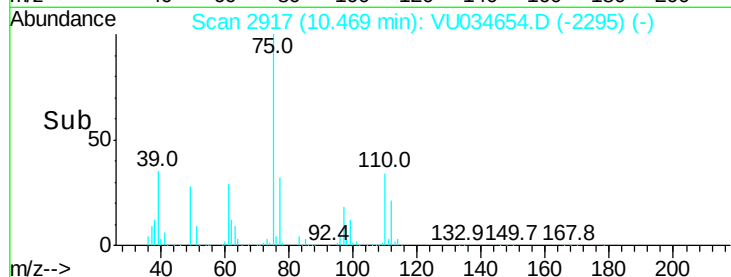
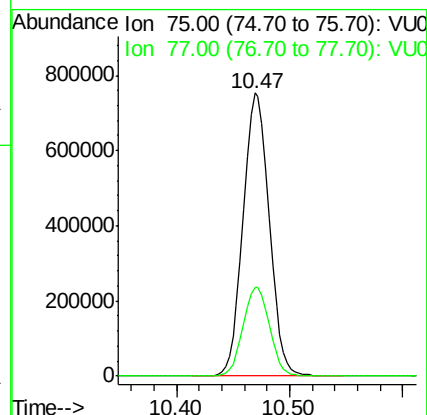
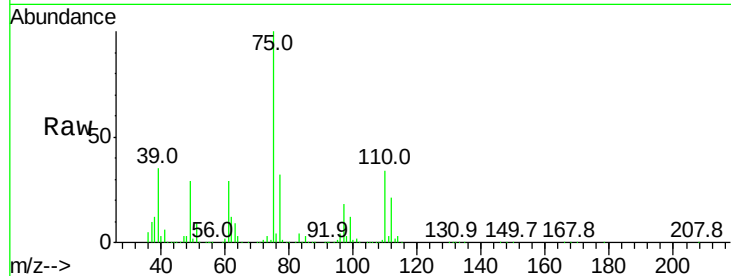
VSTD20035

Tgt Ion: 75 Resp: 1218541

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



#61

Bromoform

Concen: 222.986 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

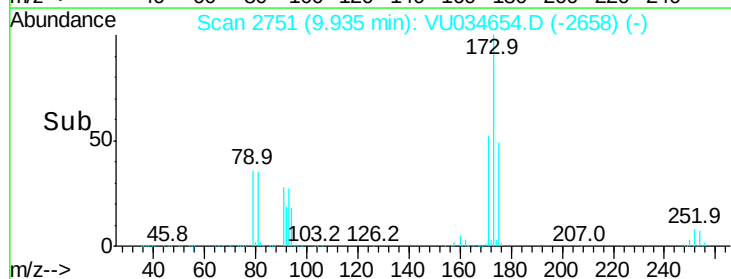
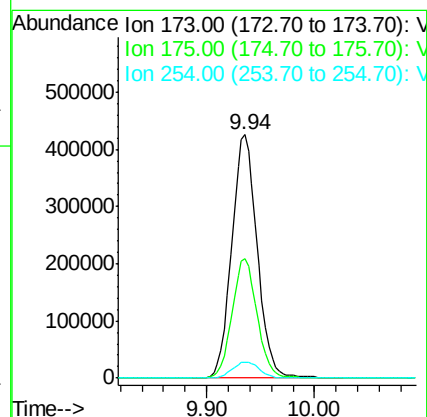
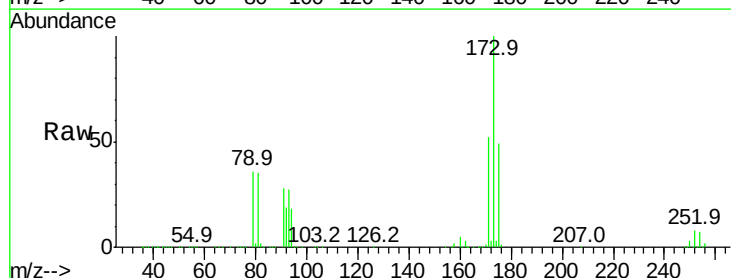
Tgt Ion: 173 Resp: 699685

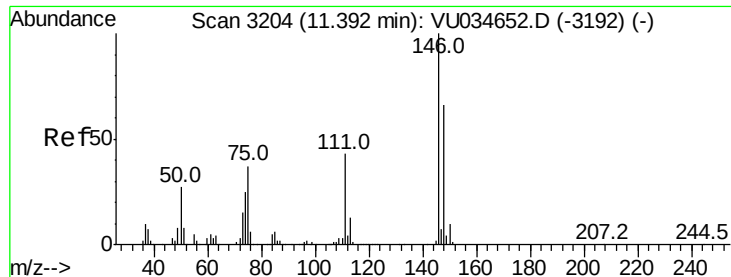
Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

254 7.0 5.3 7.9

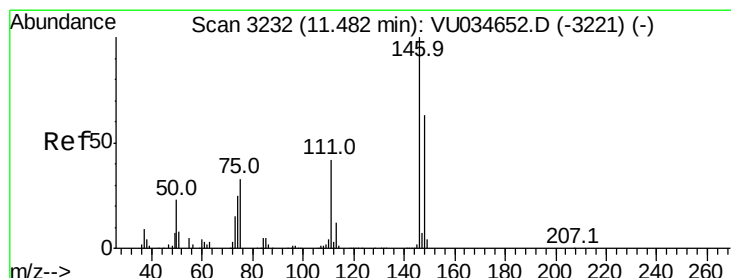
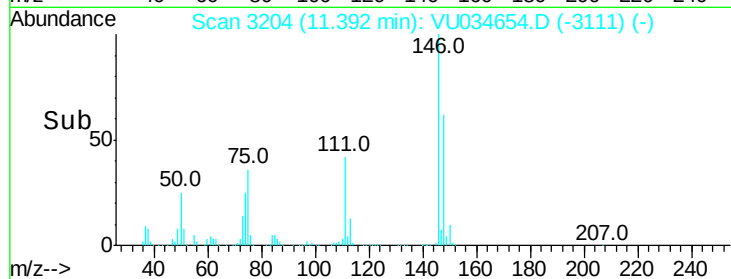
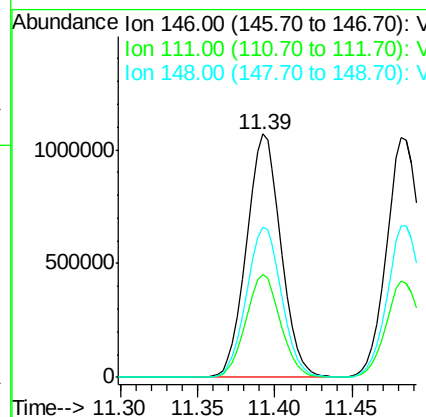
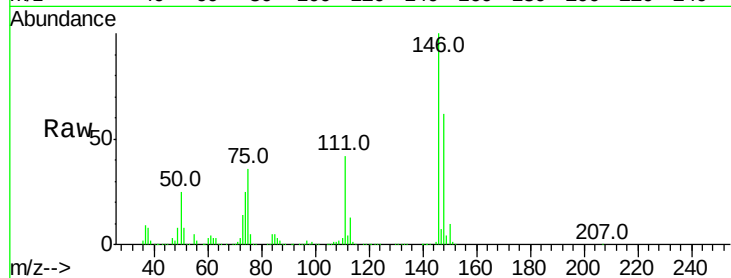




#62
 1,3-Dichlorobenzene
 Concen: 225.099 ug/L
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

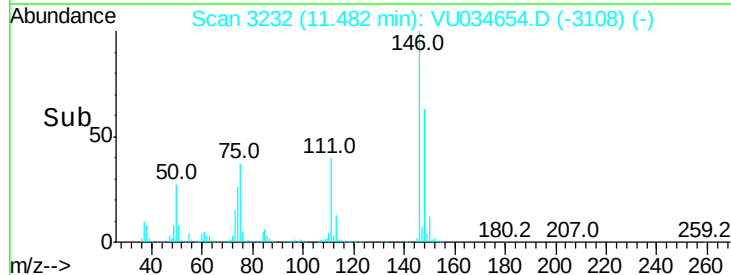
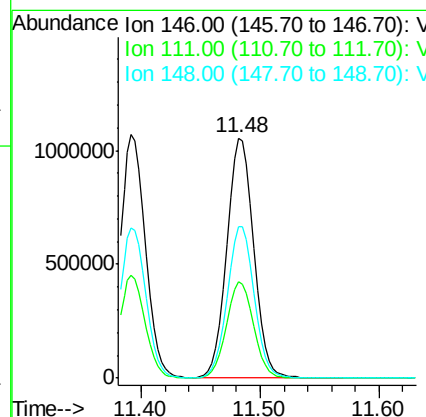
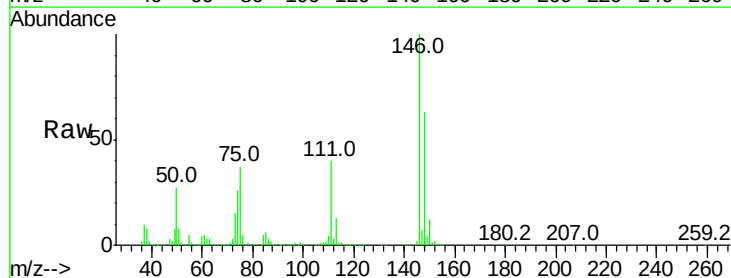
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20035

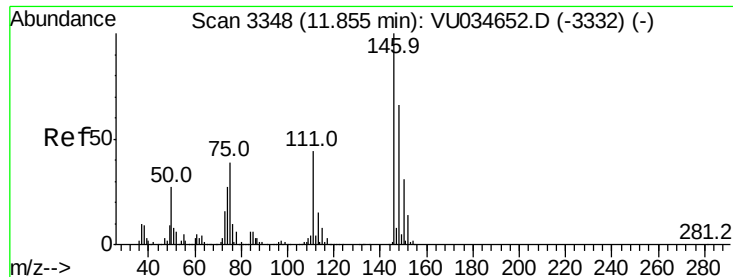
Tgt Ion:146 Resp: 1658607
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.4 56.5
 148 61.8 46.1 85.7



#63
 1,4-Dichlorobenzene
 Concen: 221.800 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

Tgt Ion:146 Resp: 1650261
 Ion Ratio Lower Upper
 146 100
 111 40.2 29.5 54.9
 148 62.9 44.4 82.4

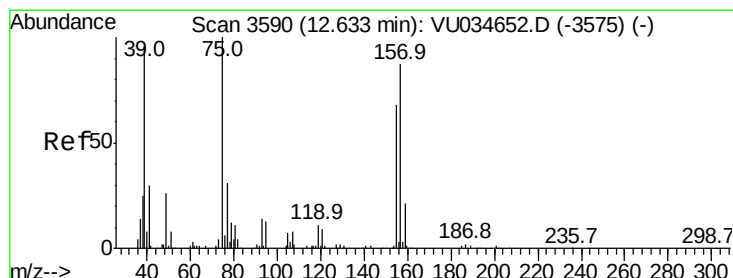
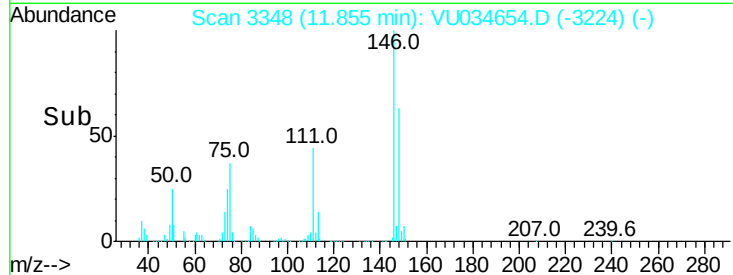
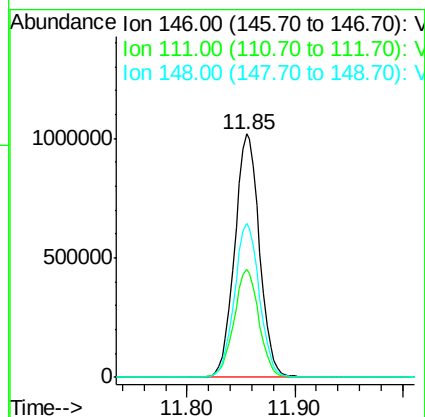
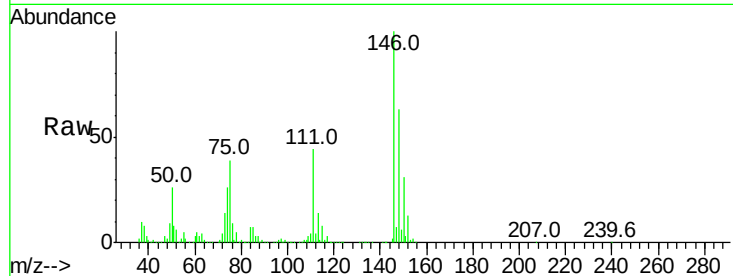




#65
 1,2-Dichlorobenzene
 Concen: 219.388 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

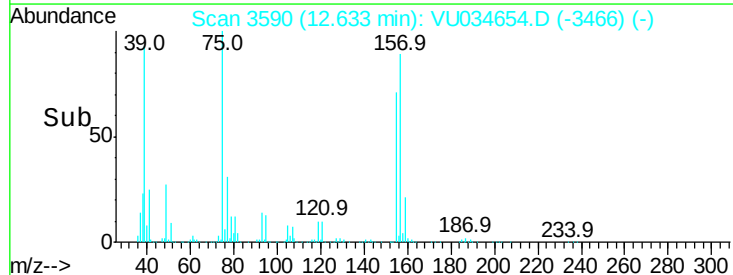
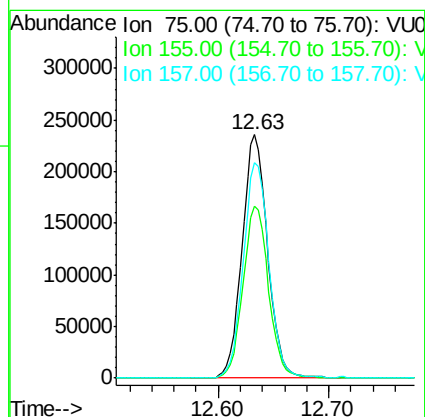
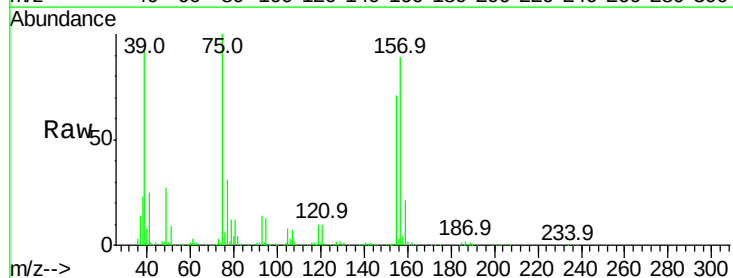
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20035

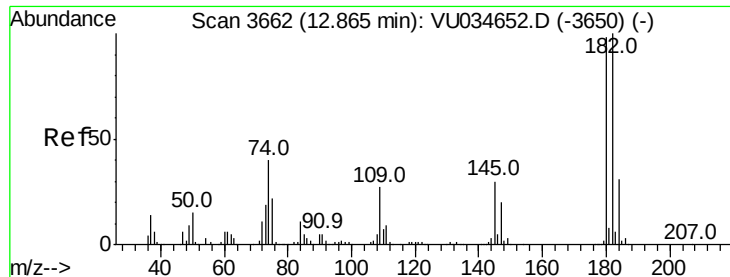
Tgt Ion:146 Resp: 1630620
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.2 52.8
 148 63.4 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 223.790 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

Tgt Ion: 75 Resp: 376840
 Ion Ratio Lower Upper
 75 100
 155 70.7 54.7 82.1
 157 88.7 69.9 104.9

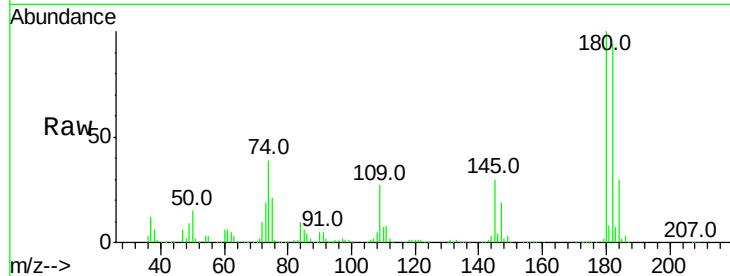




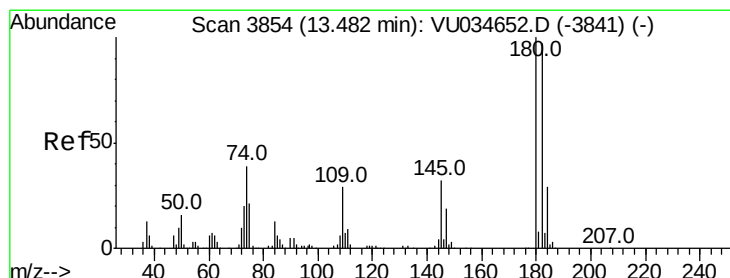
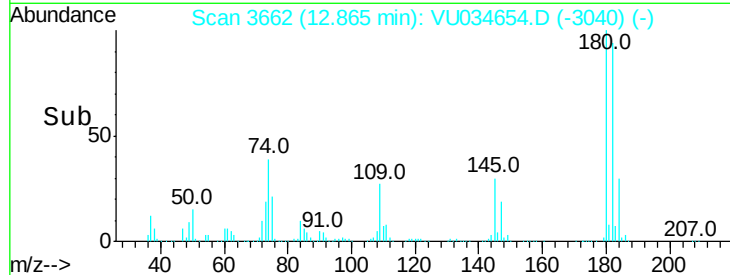
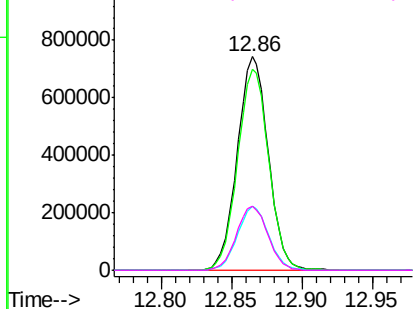
#67
 1,3,5-Trichlorobenzene
 Concen: 238.636 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20035

Tgt Ion:180 Resp: 1146049
 Ion Ratio Lower Upper
 180 100
 182 94.6 79.2 118.8
 184 30.1 24.6 36.8
 145 30.5 24.9 37.3

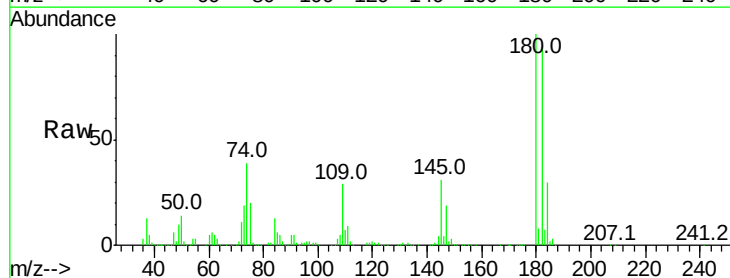


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

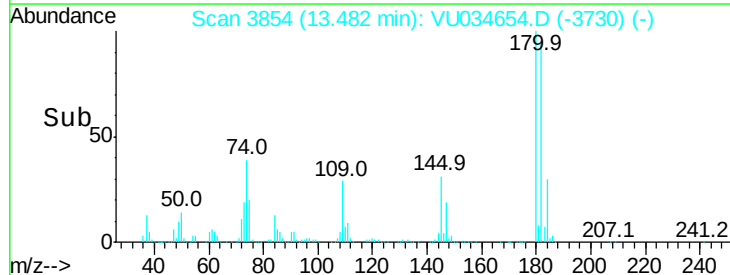
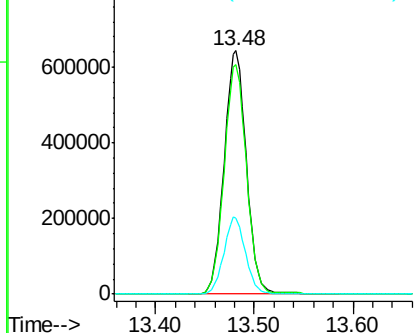


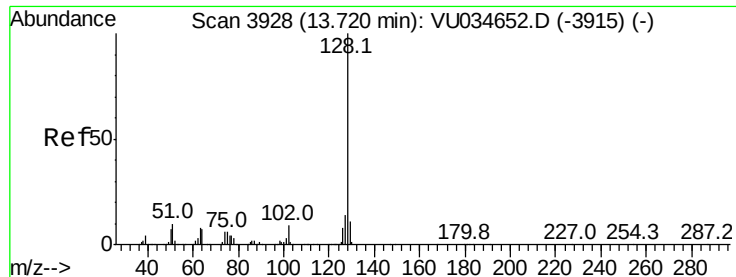
#68
 1,2,4-trichlorobenzene
 Concen: 249.482 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034654.D
 Acq: 19 Sep 2019 17:10

Tgt Ion:180 Resp: 1023527
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.7 113.5
 145 30.7 25.2 37.8



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: 238.647 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Instrument :

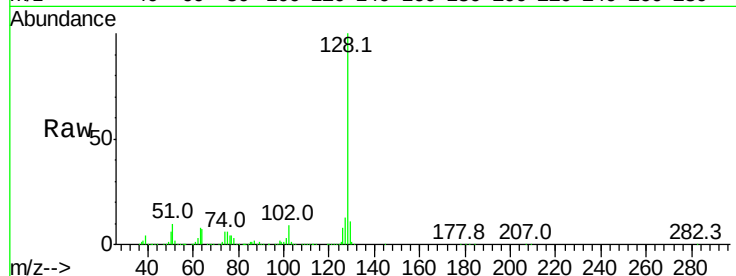
MSVOA_U

ClientSampleId :

VSTD20035

Tgt Ion:128 Resp: 3617277

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	10.9	8.6	12.8

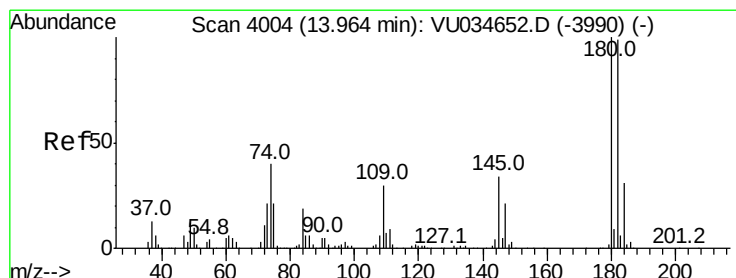
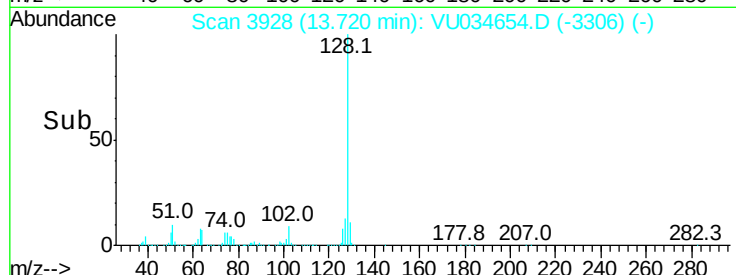
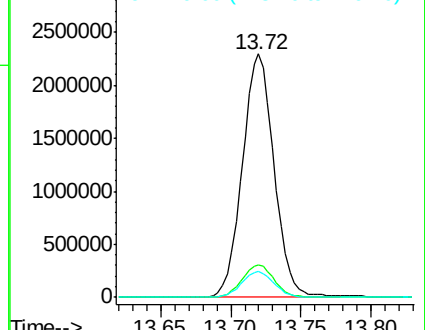


Abundance

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: 237.344 ug/L

RT: 13.96 min Scan# 4004

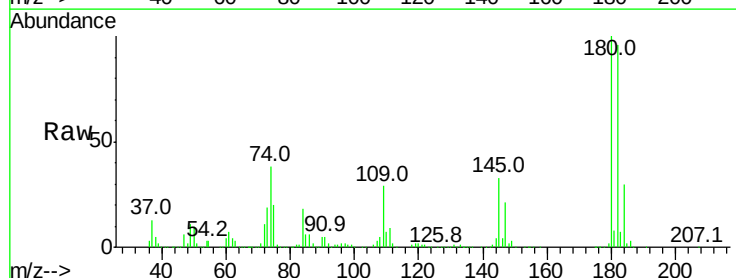
Delta R.T. -0.00 min

Lab File: VU034654.D

Acq: 19 Sep 2019 17:10

Tgt Ion:180 Resp: 996855

Ion	Ratio	Lower	Upper
180	100		
182	95.5	79.2	118.8
145	33.0	26.0	39.0



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

