

Data File : VU034653.D
Acq On : 19 Sep 2019 16:46
Operator : JC/SP
Sample : VSTD100
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10034

Quant Time: Sep 19 17:24:31 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	490276	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	478270	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	236746	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	477767	201.98	ug/L	0.00
7) Chloroethane-d5	1.67	69	368155	202.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	799628	165.22	ug/L	0.00
21) 2-Butanone-d5	4.15	46	816999	306.32	ug/L	0.00
24) Chloroform-d	4.62	84	725228	135.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	510611	155.83	ug/L	0.00
32) Benzene-d6	5.31	84	1417327	134.77	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	491844	125.64	ug/L	0.00
41) Toluene-d8	7.54	98	1362192	133.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	249956	133.85	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	535885	252.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	701480	114.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	470059	111.30	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	464733	153.853	ug/L	98
3) Chloromethane	1.32	50	560090	181.684	ug/L	99
5) Vinyl chloride	1.40	62	513702	169.733	ug/L	100
6) Bromomethane	1.61	94	276808	174.958	ug/L	95
8) Chloroethane	1.68	64	296423	170.932	ug/L	96
9) Trichlorofluoromethane	1.87	101	637205	148.786	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	305064	119.543	ug/L	99
12) 1,1-Dichloroethene	2.27	96	293686	126.033	ug/L	94
13) Acetone	2.31	43	747528	311.869	ug/L	98
14) Carbon disulfide	2.46	76	1015302	177.484	ug/L	99
15) Methyl Acetate	2.60	43	577141	147.116	ug/L	99
16) Methylene chloride	2.68	84	376612	122.291	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	327234	131.215	ug/L	96
18) Methyl tert-butyl Ether	2.98	73	1220582	118.215	ug/L	100
19) 1,1-Dichloroethane	3.42	63	747636	133.158	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	387669	120.031	ug/L	97
22) 2-Butanone	4.23	43	983924	322.678	ug/L	100
23) Bromochloromethane	4.52	128	184669	121.109	ug/L	95
25) Chloroform	4.65	83	721614	122.898	ug/L	99
27) 1,2-Dichloroethane	5.38	62	639922	153.922	ug/L	97
29) Cyclohexane	4.97	56	724951	155.484	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	591710	123.810	ug/L	99
31) Carbon tetrachloride	5.11	117	509250	126.218	ug/L	97
33) Benzene	5.36	78	1558169	128.436	ug/L	100
34) Trichloroethene	6.16	95	382087	126.433	ug/L	99
35) Methylcyclohexane	6.39	83	647262	141.277	ug/L	99
37) 1,2-Dichloropropane	6.41	63	458561	124.535	ug/L	100
38) Bromodichloromethane	6.73	83	559976	116.333	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	715297	129.299	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	1786385	278.904	ug/L	98

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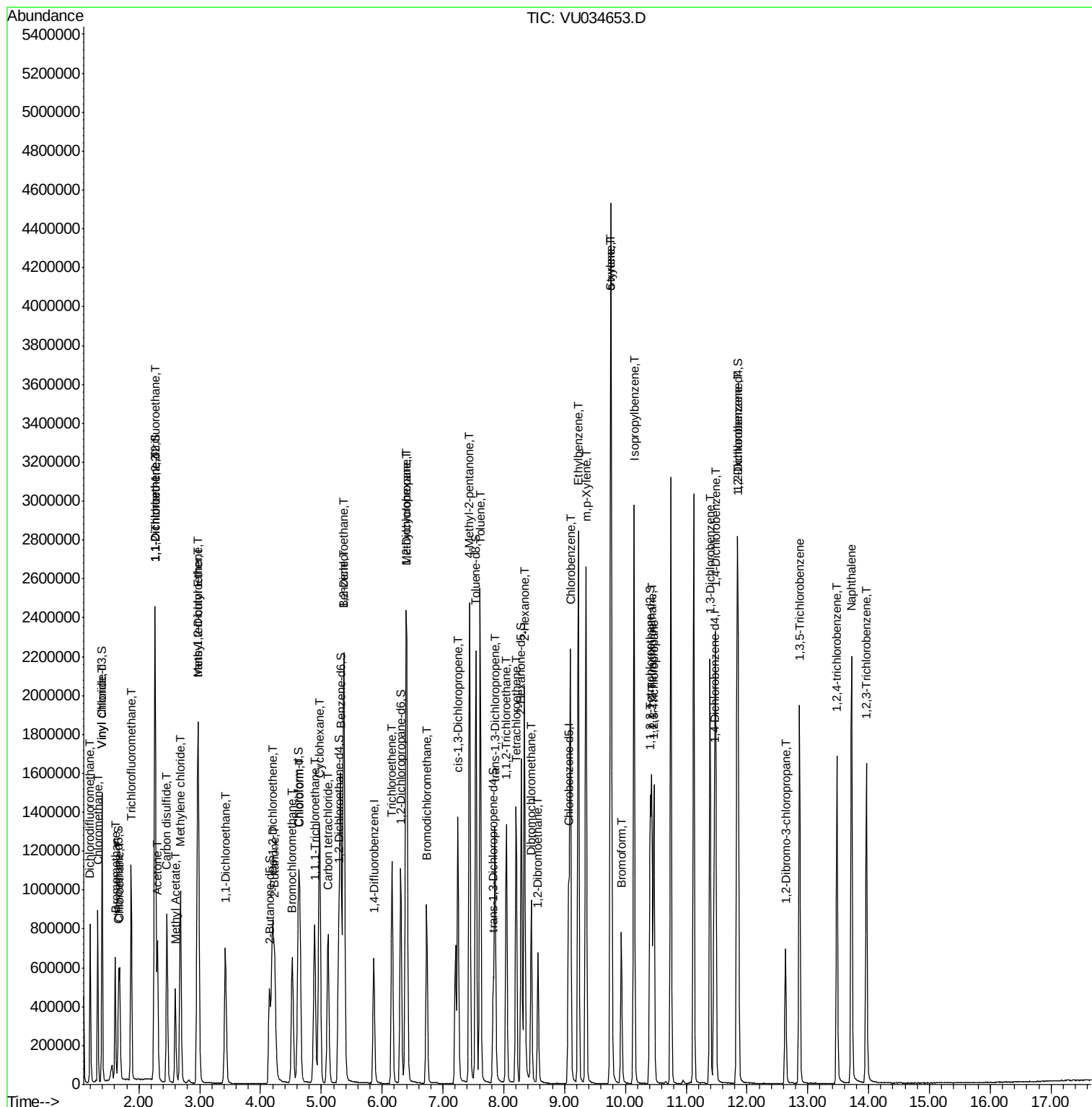
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	1676453	128.163	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	658159	129.744	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	376345	111.998	ug/L	96
46) Tetrachloroethene	8.21	164	269266	134.230	ug/L	98
48) 2-Hexanone	8.34	43	1403934	291.766	ug/L	98
49) Dibromochloromethane	8.45	129	429511	112.861	ug/L	97
50) 1,2-Dibromoethane	8.56	107	414947	118.144	ug/L	100
51) Chlorobenzene	9.10	112	1008106	117.966	ug/L	99
52) Ethylbenzene	9.23	91	1879720	124.202	ug/L	100
53) m,p-Xylene	9.35	106	673677	123.812	ug/L	100
54) o-xylene	9.76	106	677080	122.654	ug/L	99
55) Styrene	9.77	104	1162937	122.395	ug/L	97
56) Isopropylbenzene	10.14	105	1791493	120.660	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	719793	107.718	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	573886	114.104	ug/L	99
61) Bromoform	9.94	173	316957	108.721	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	754428	110.201	ug/L	97
63) 1,4-Dichlorobenzene	11.48	146	764610	110.608	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	755862	109.456	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	173861	111.128	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	521472	116.869	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	449574	117.944	ug/L	99
69) Naphthalene	13.72	128	1600735	113.666	ug/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	449511	115.192	ug/L	96

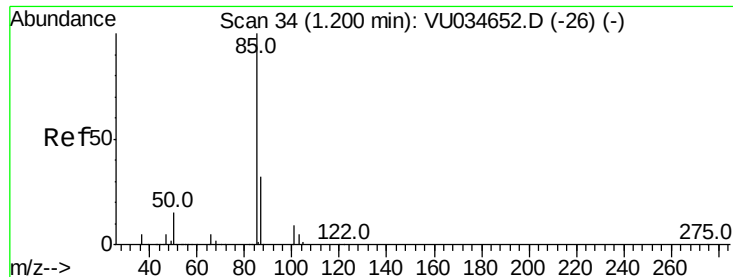
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 153.853 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

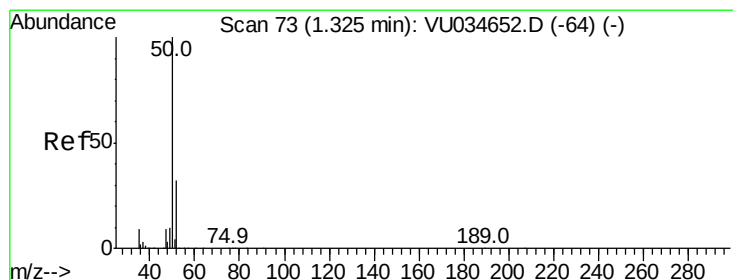
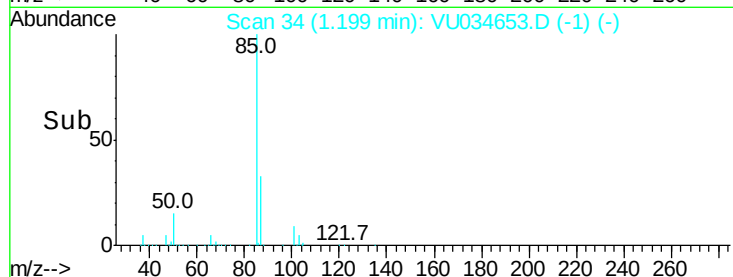
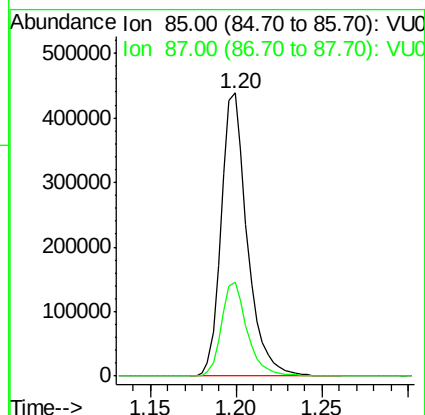
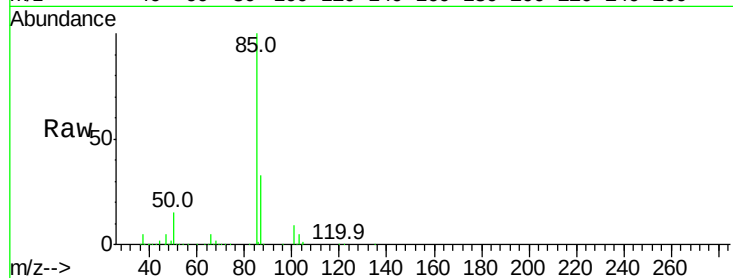
VSTD10034

Tgt Ion: 85 Resp: 464733

Ion Ratio Lower Upper

85 100

87 32.8 25.5 38.3



#3

Chloromethane

Concen: 181.684 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034653.D

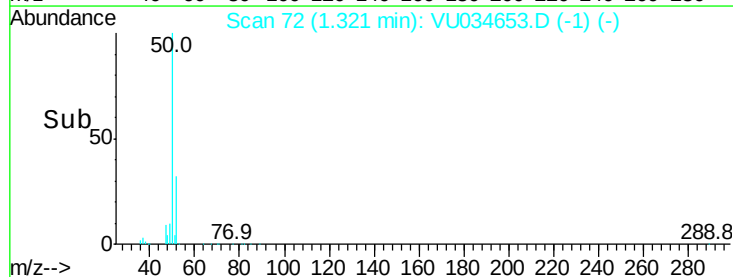
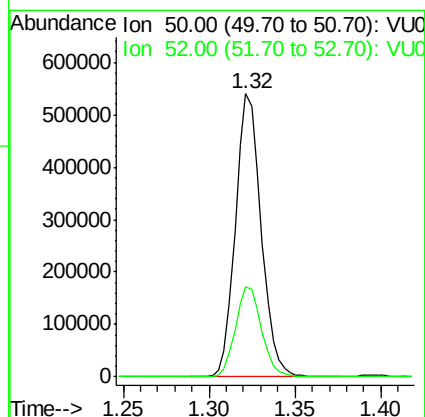
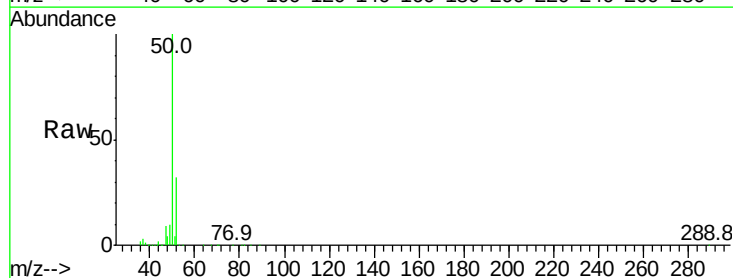
Acq: 19 Sep 2019 16:46

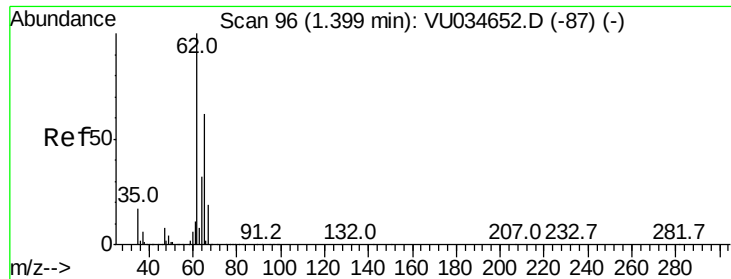
Tgt Ion: 50 Resp: 560090

Ion Ratio Lower Upper

50 100

52 32.0 22.7 42.1





#5

Vinyl chloride

Concen: 169.733 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

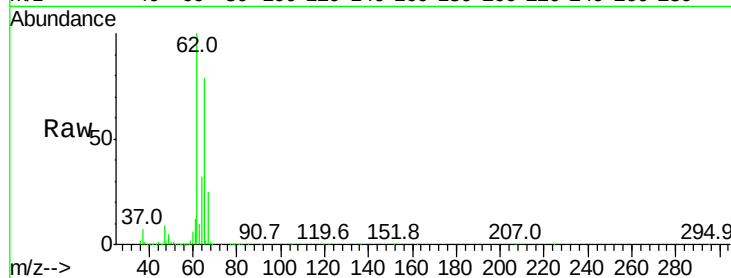
VSTD10034

Tgt Ion: 62 Resp: 513702

Ion Ratio Lower Upper

62 100

64 31.9 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

500000

400000

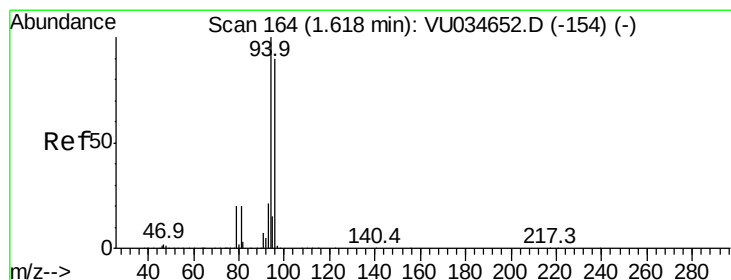
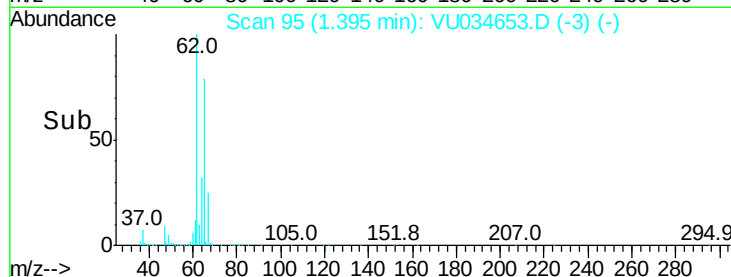
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 174.958 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU034653.D

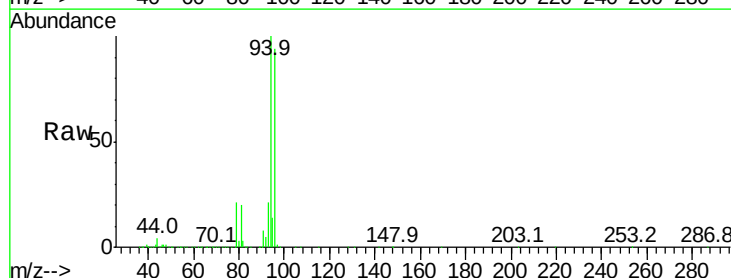
Acq: 19 Sep 2019 16:46

Tgt Ion: 94 Resp: 276808

Ion Ratio Lower Upper

94 100

96 94.4 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

250000

200000

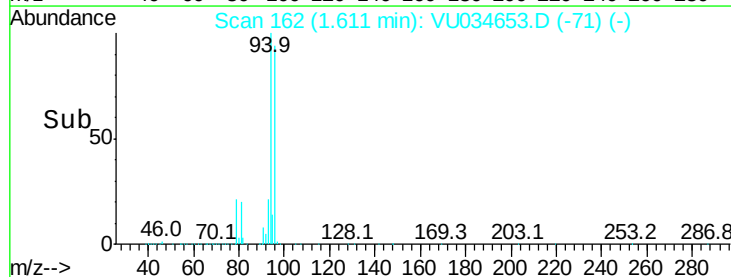
150000

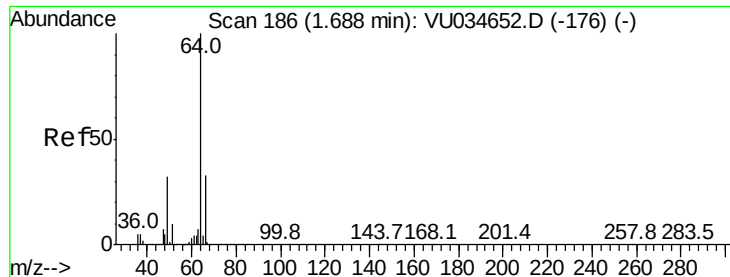
100000

50000

0

Time-->





#8

Chloroethane

Concen: 170.932 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

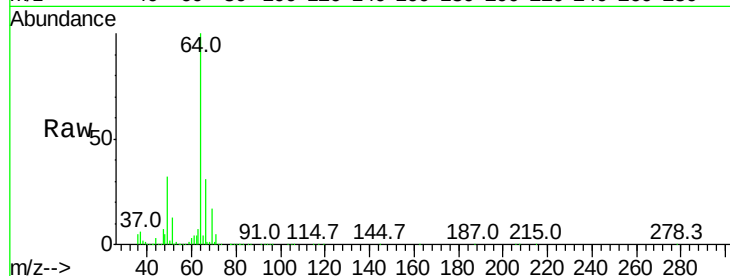
VSTD10034

Tgt Ion: 64 Resp: 296423

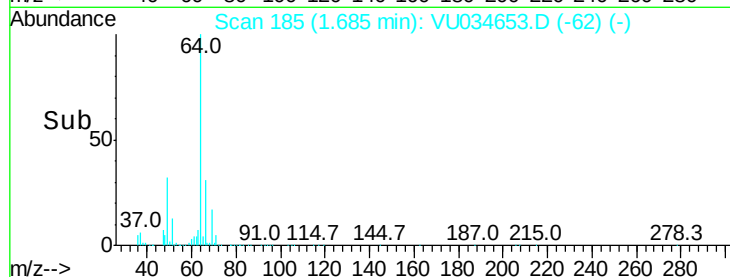
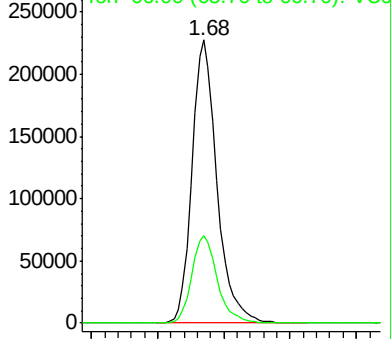
Ion Ratio Lower Upper

64 100

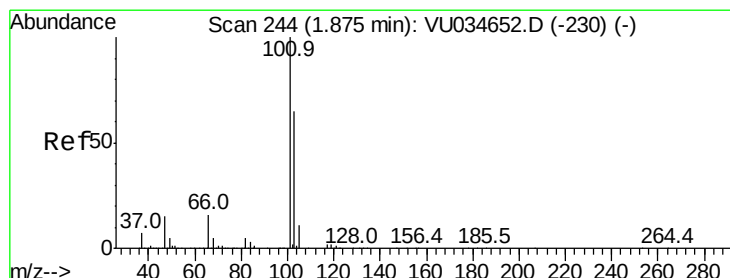
66 31.0 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VU034653.D (-185) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 148.786 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.00 min

Lab File: VU034653.D

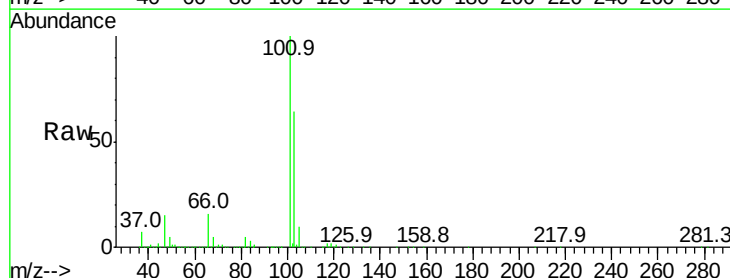
Acq: 19 Sep 2019 16:46

Tgt Ion: 101 Resp: 637205

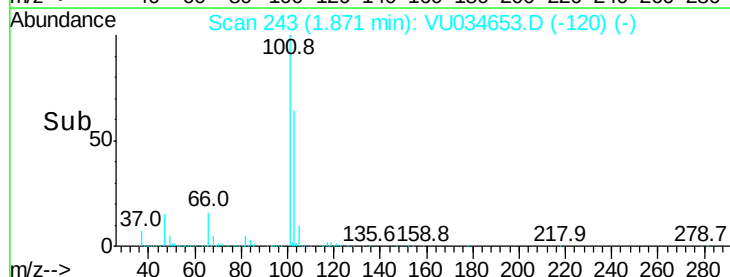
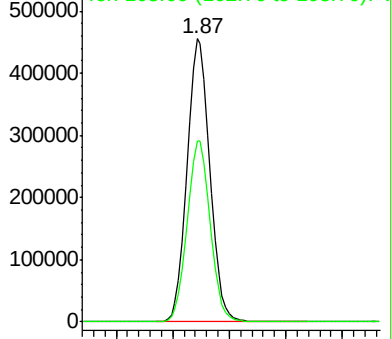
Ion Ratio Lower Upper

101 100

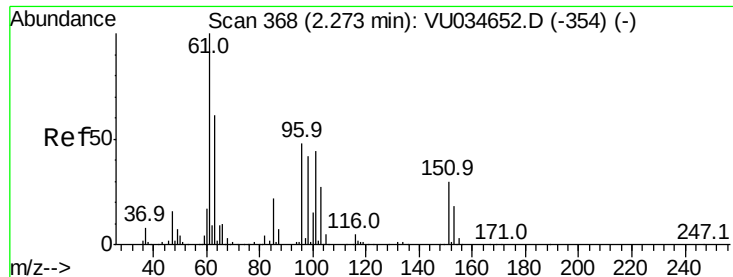
103 64.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU034653.D (-243) (-)



Time-->



#10

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

Concen: 119.543 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10034

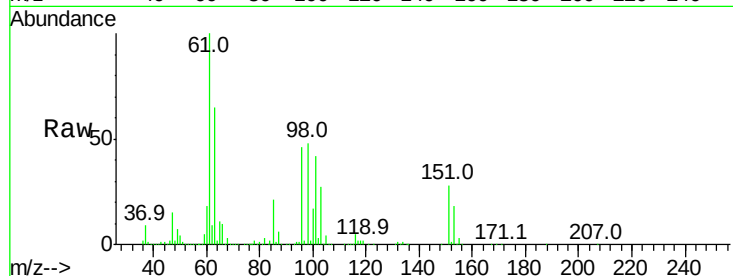
Tgt Ion: 101 Resp: 305064

Ion Ratio Lower Upper

101 100

85 48.9 39.0 58.4

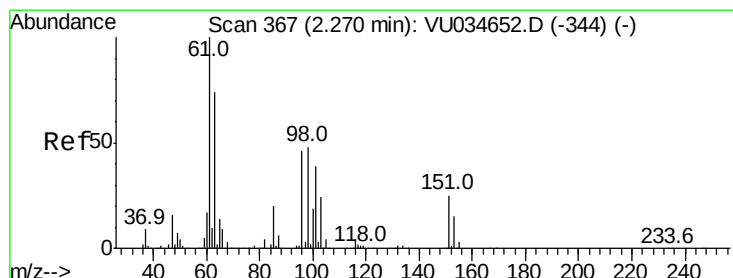
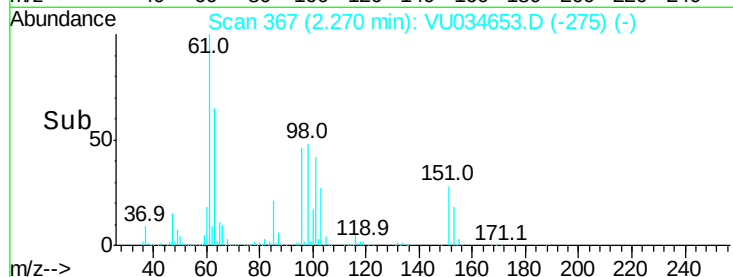
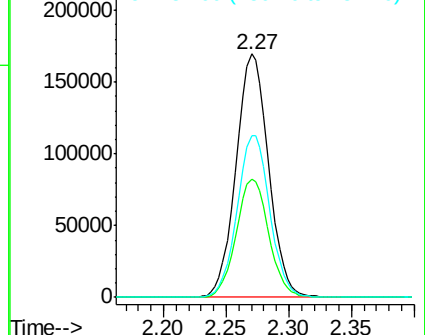
151 67.0 52.8 79.2



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: 126.033 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

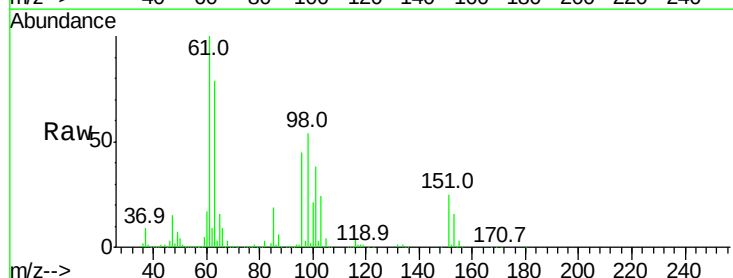
Tgt Ion: 96 Resp: 293686

Ion Ratio Lower Upper

96 100

61 222.7 153.2 284.4

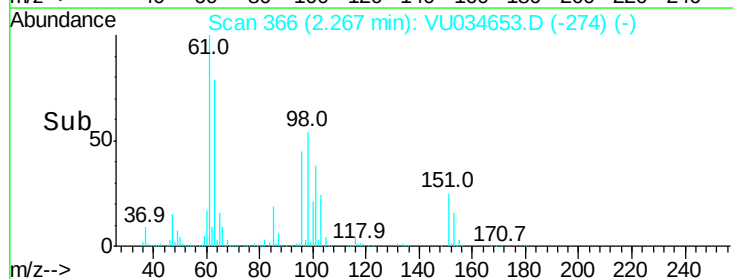
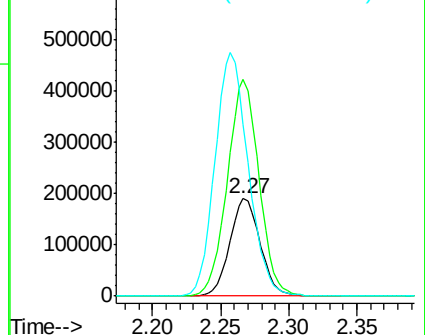
63 176.5 113.8 211.3

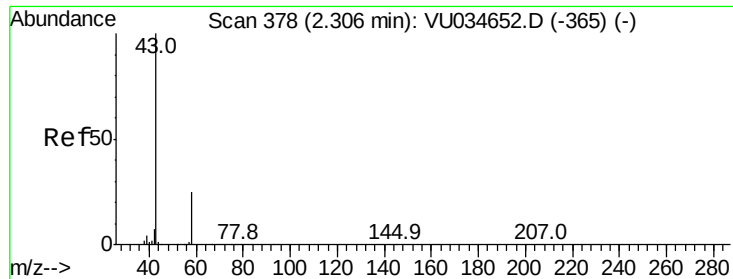


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 311.869 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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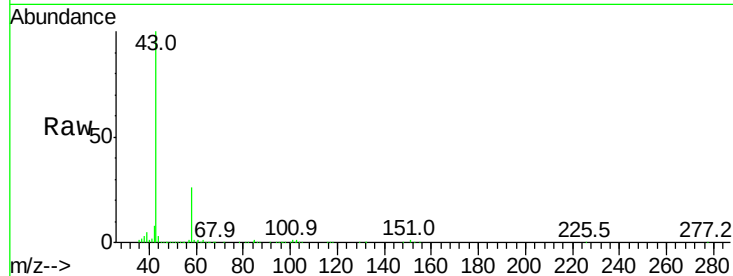
VSTD10034

Tgt Ion: 43 Resp: 747528

Ion Ratio Lower Upper

43 100

58 25.7 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034652.D (-365) (-)

Ion 58.00 (57.70 to 58.70): VU034652.D (-365) (-)

2.31

500000

400000

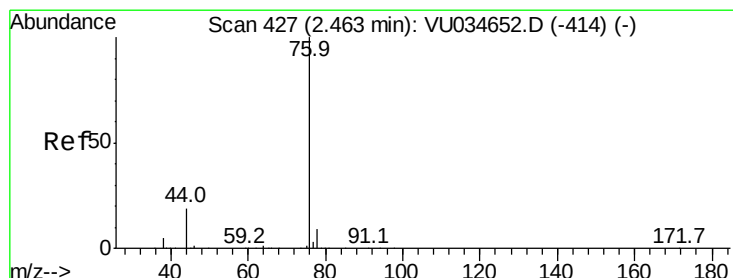
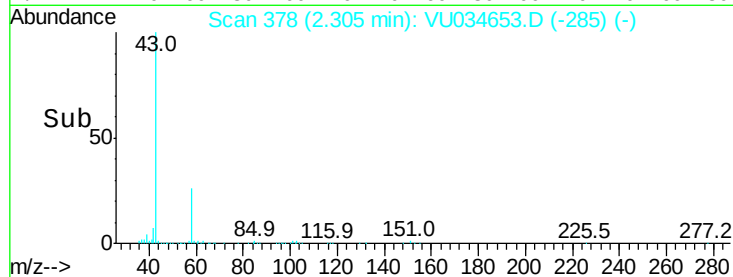
300000

200000

100000

0

Time-->



#14

Carbon disulfide

Concen: 177.484 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU034653.D

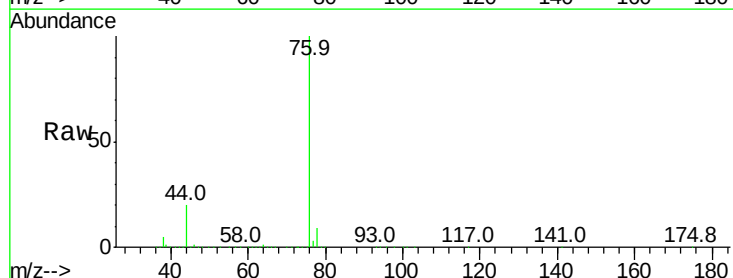
Acq: 19 Sep 2019 16:46

Tgt Ion: 76 Resp: 1015302

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VU034652.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034652.D (-414) (-)

2.46

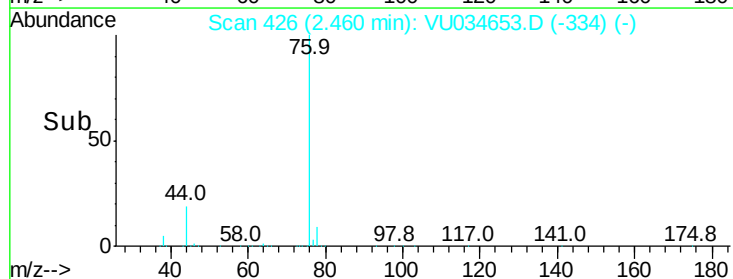
600000

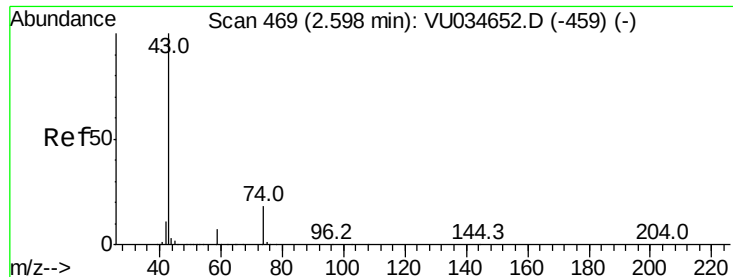
400000

200000

0

Time-->

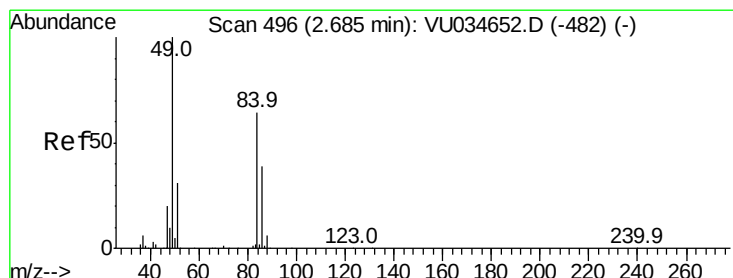
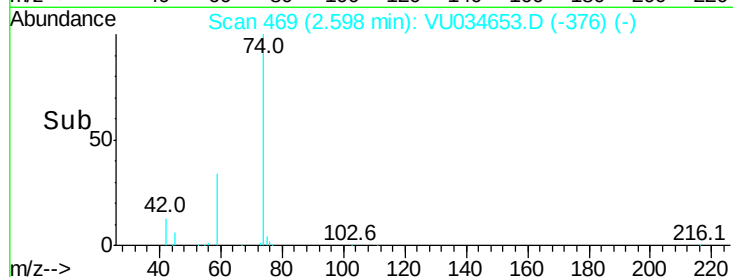
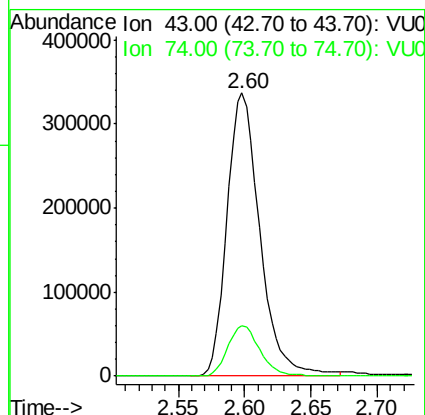
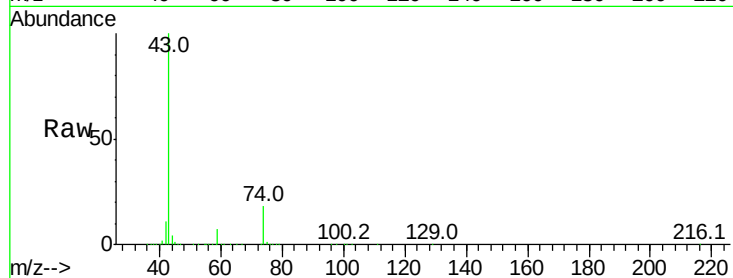




#15
Methyl Acetate
Concen: 147.116 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU034653.D
Acq: 19 Sep 2019 16:46

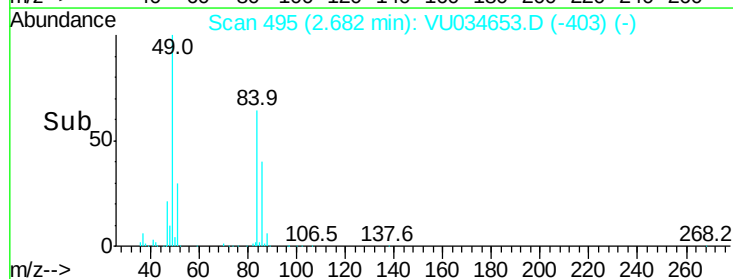
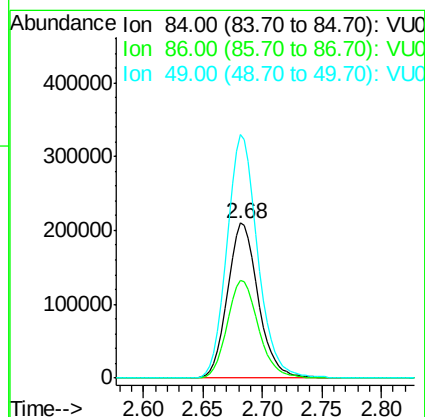
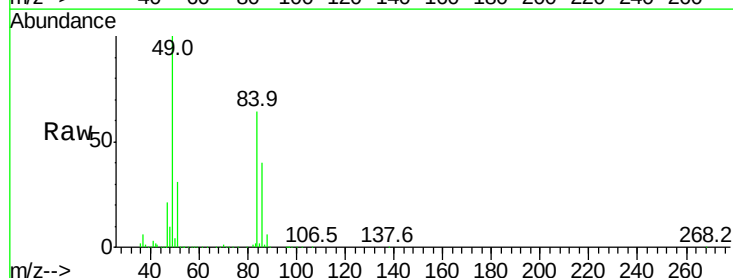
Instrument :
MSVOA_U
ClientSampleId :
VSTD10034

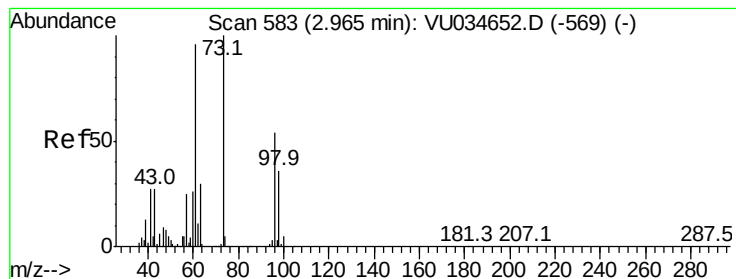
Tgt Ion: 43 Resp: 577141
Ion Ratio Lower Upper
43 100
74 17.4 14.4 21.6



#16
Methylene chloride
Concen: 122.291 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU034653.D
Acq: 19 Sep 2019 16:46

Tgt Ion: 84 Resp: 376612
Ion Ratio Lower Upper
84 100
86 63.2 43.0 80.0
49 157.3 109.7 203.7





#17

trans-1,2-Dichloroethene

Concen: 131.215 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10034

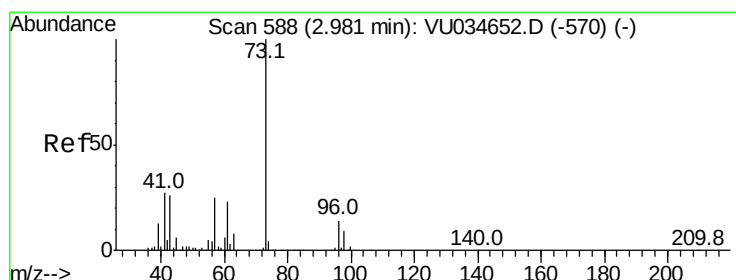
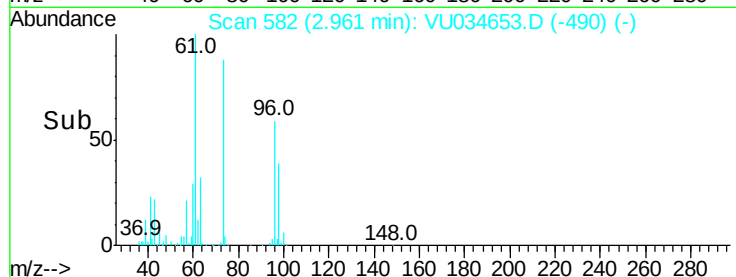
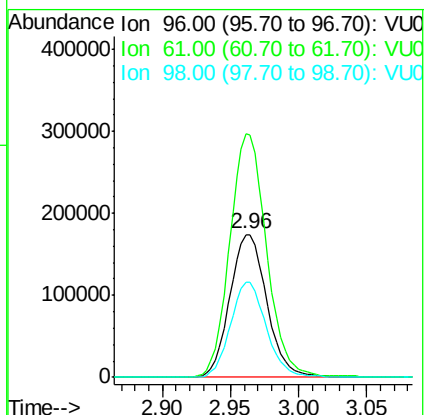
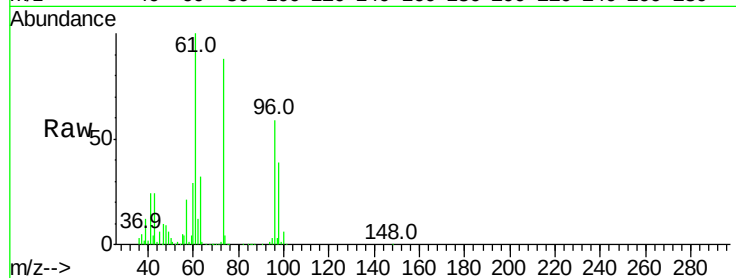
Tgt Ion: 96 Resp: 327234

Ion Ratio Lower Upper

96 100

61 170.8 124.0 230.4

98 67.1 46.1 85.7



#18

Methyl tert-butyl Ether

Concen: 118.215 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

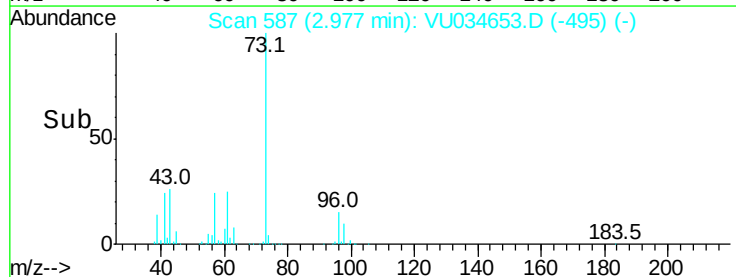
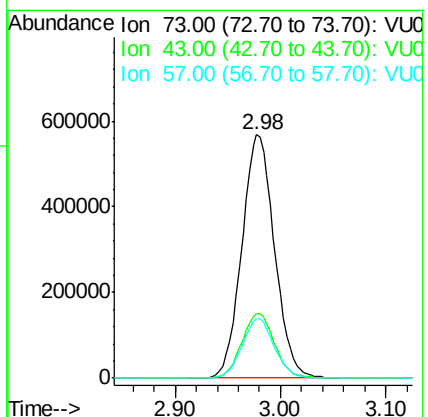
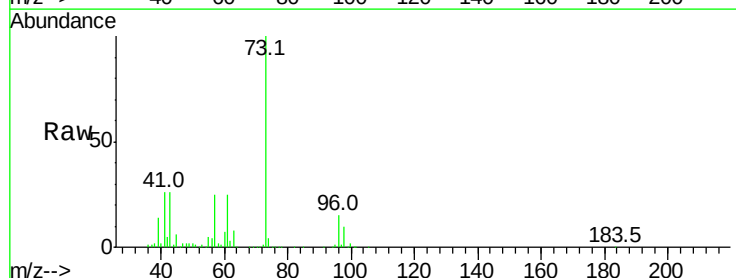
Tgt Ion: 73 Resp: 1220582

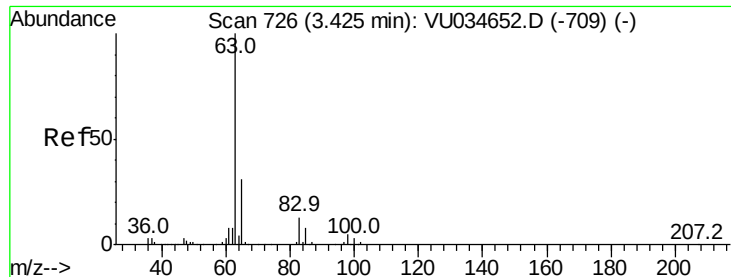
Ion Ratio Lower Upper

73 100

43 26.2 20.9 31.3

57 24.2 19.5 29.3





#19

1,1-Dichloroethane

Concen: 133.158 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10034

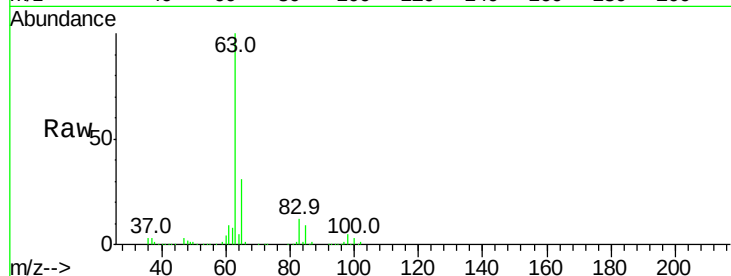
Tgt Ion: 63 Resp: 747636

Ion Ratio Lower Upper

63 100

65 30.5 22.0 40.8

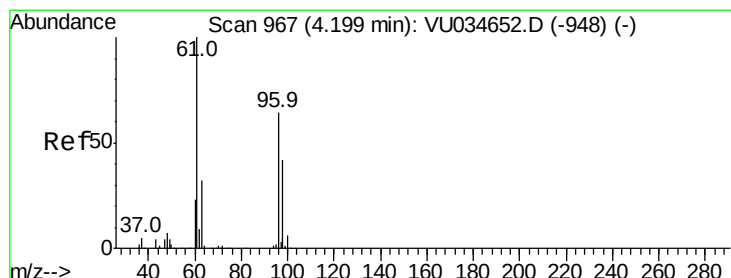
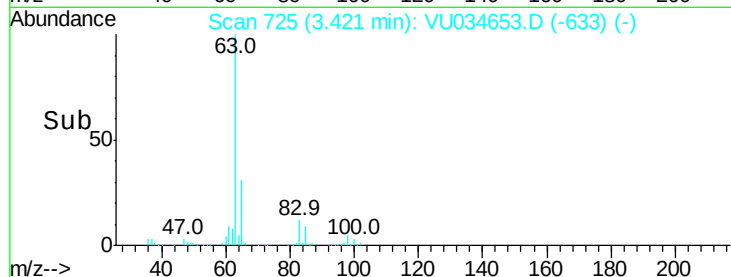
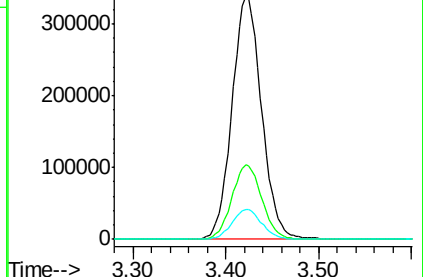
83 12.3 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VU034653.D (-633) (-)

Ion 65.00 (64.70 to 65.70): VU034653.D (-633) (-)

Ion 83.00 (82.70 to 83.70): VU034653.D (-633) (-)



#20

cis-1,2-Dichloroethene

Concen: 120.031 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

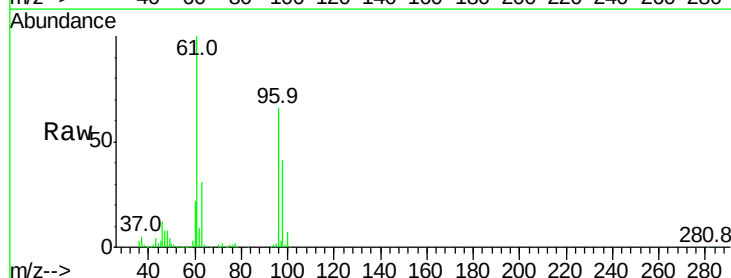
Tgt Ion: 96 Resp: 387669

Ion Ratio Lower Upper

96 100

61 151.2 108.8 202.2

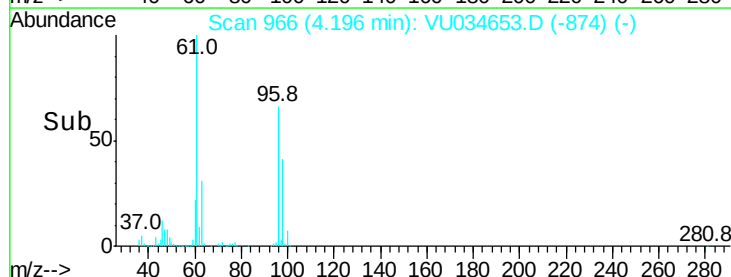
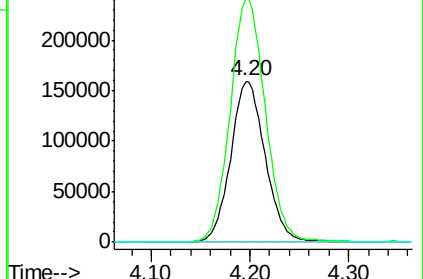
68 0.0 0.0 0.0

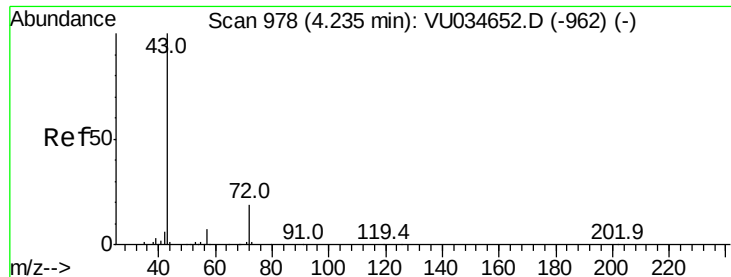


Abundance Ion 96.00 (95.70 to 96.70): VU034653.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU034653.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU034653.D (-874) (-)





#22

2-Butanone

Concen: 322.678 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

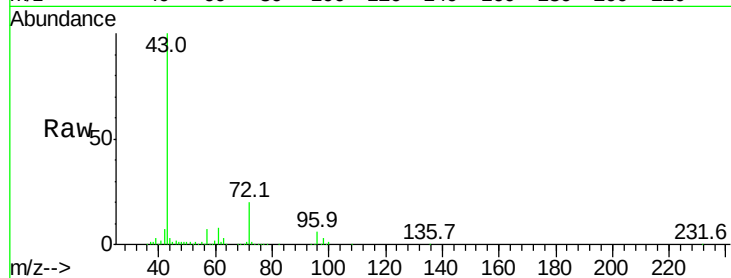
VSTD10034

Tgt Ion: 43 Resp: 983924

Ion Ratio Lower Upper

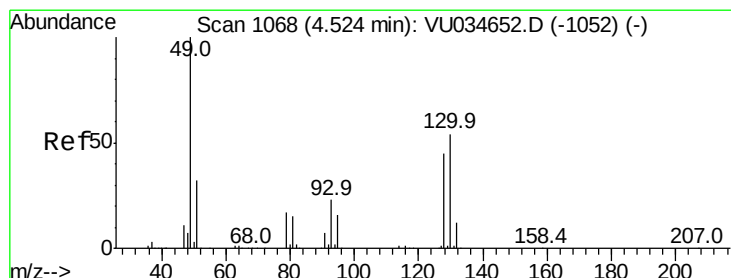
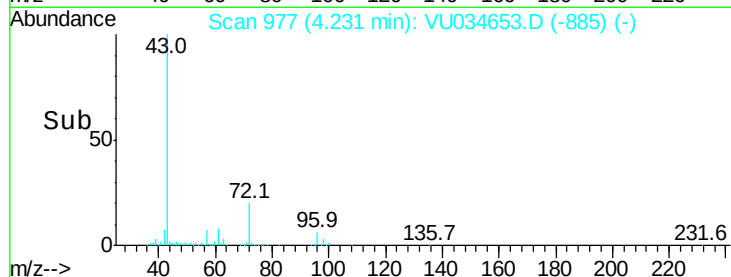
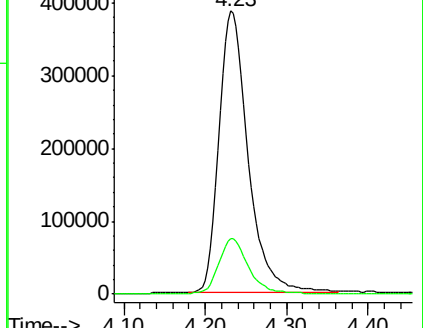
43 100

72 20.4 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: 121.109 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Tgt Ion: 128 Resp: 184669

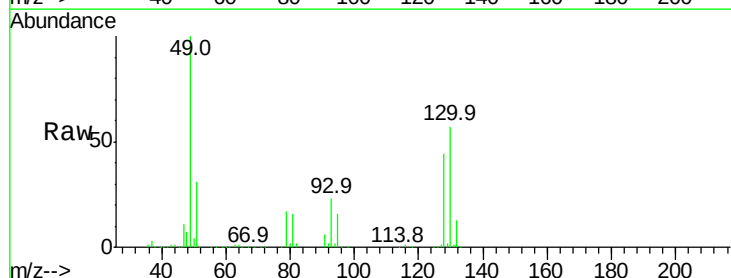
Ion Ratio Lower Upper

128 100

49 227.0 154.3 286.7

130 128.5 83.0 154.2

51 69.5 56.4 84.6

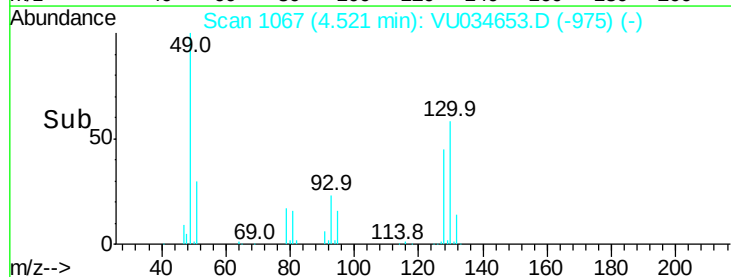
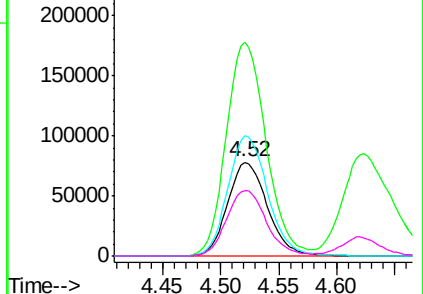


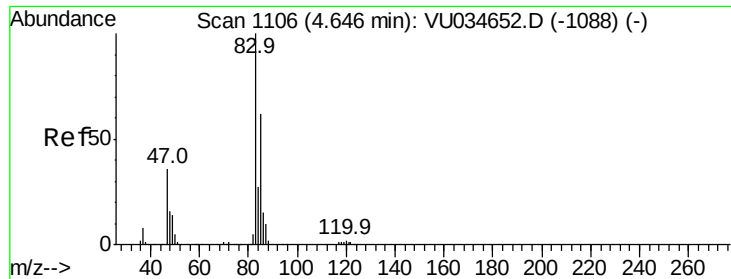
Abundance Ion 128.00 (127.70 to 128.70): VU034652.D (-1052) (-)

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) (-)

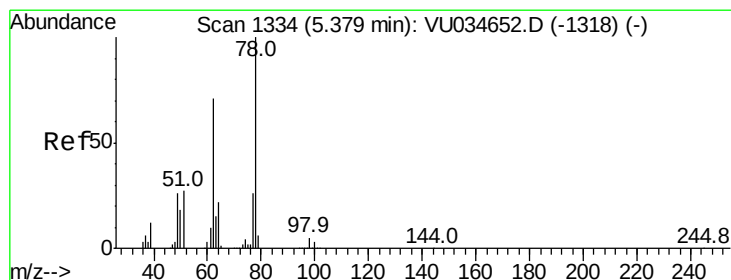
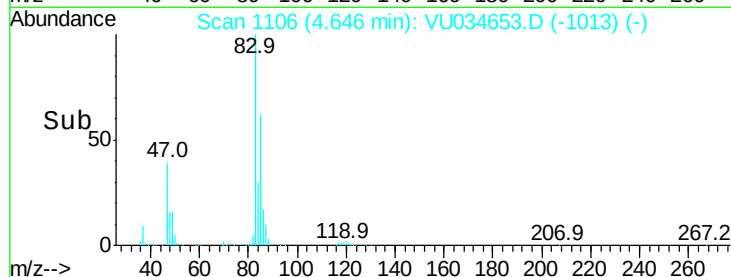
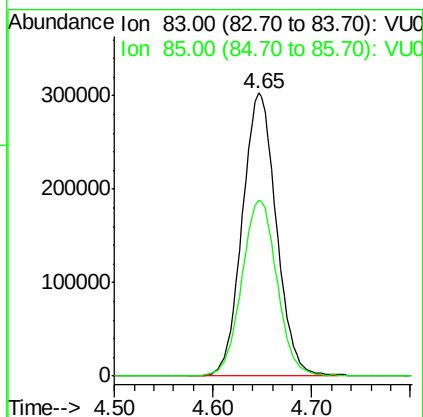
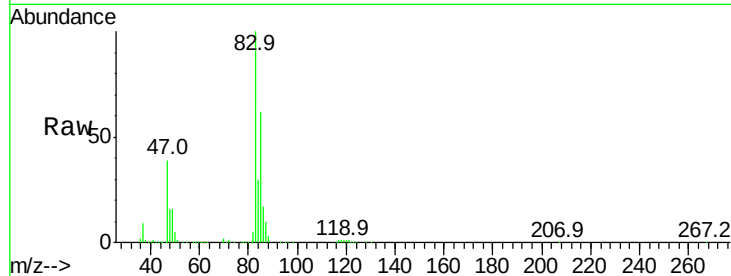




#25
Chloroform
Concen: 122.898 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034653.D
Acq: 19 Sep 2019 16:46

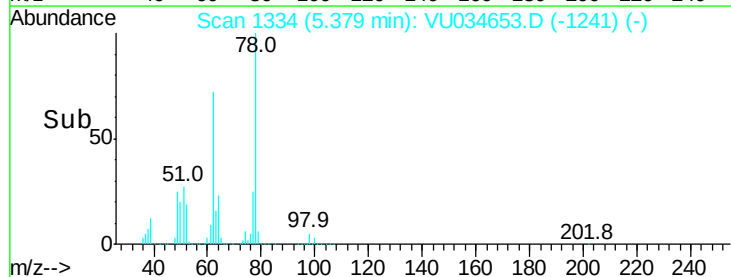
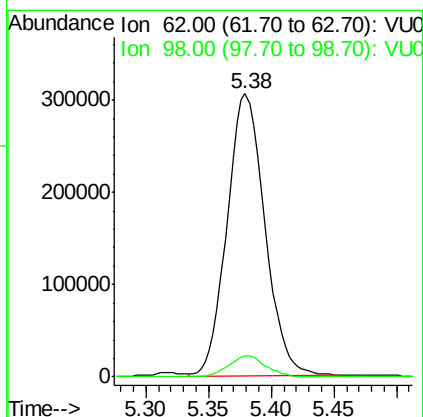
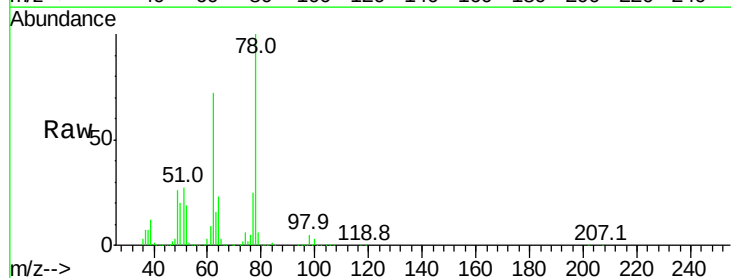
Instrument :
MSVOA_U
ClientSampleId :
VSTD10034

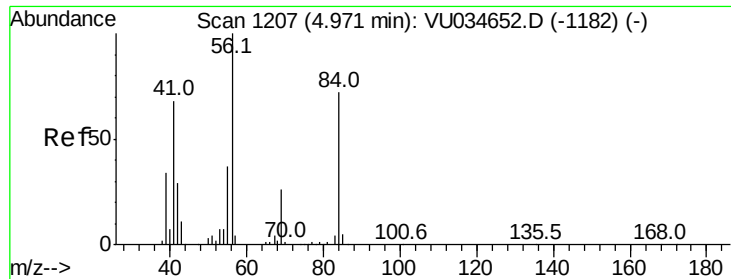
Tgt Ion: 83 Resp: 721614
Ion Ratio Lower Upper
83 100
85 62.0 44.0 81.6



#27
1,2-Dichloroethane
Concen: 153.922 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034653.D
Acq: 19 Sep 2019 16:46

Tgt Ion: 62 Resp: 639922
Ion Ratio Lower Upper
62 100
98 7.5 5.3 7.9

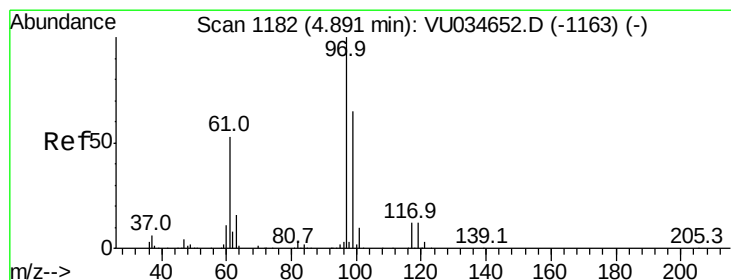
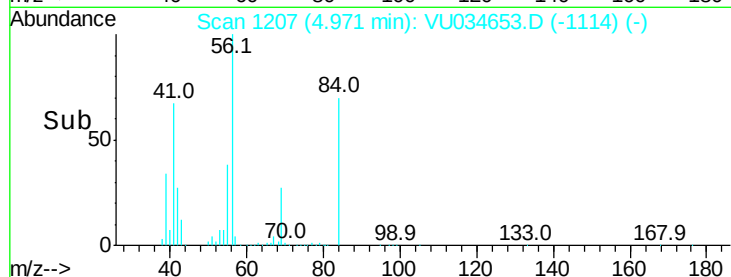
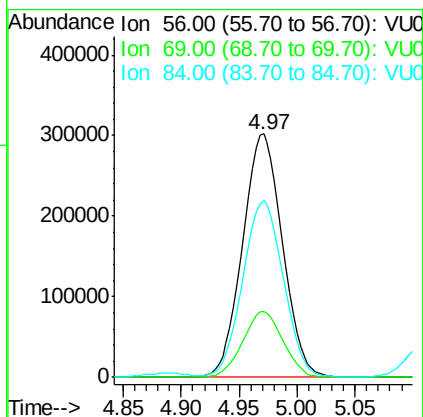
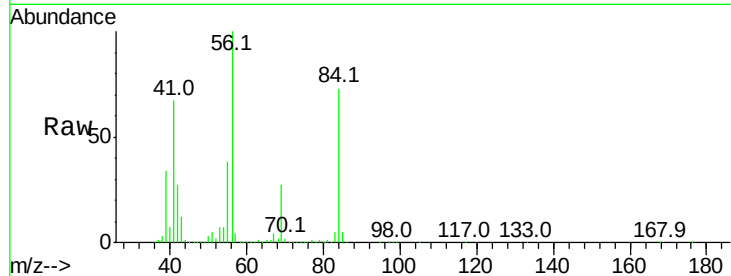




#29
Cyclohexane
Concen: 155.484 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034653.D
Acq: 19 Sep 2019 16:46

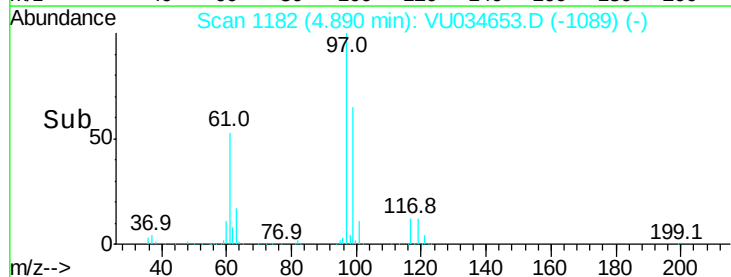
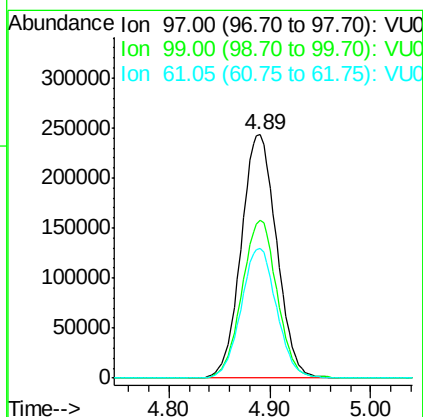
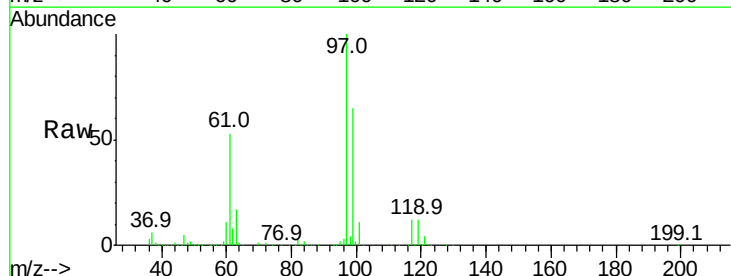
Instrument :
MSVOA_U
ClientSampleId :
VSTD10034

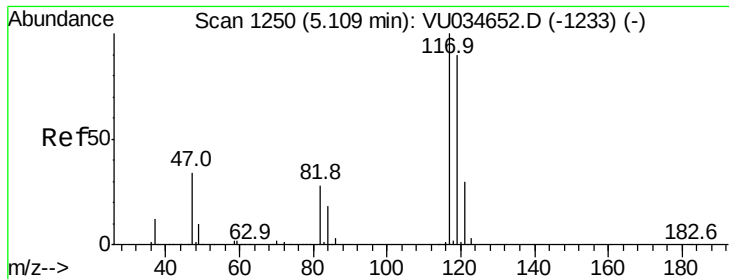
Tgt Ion: 56 Resp: 724951
Ion Ratio Lower Upper
56 100
69 27.1 21.7 32.5
84 73.2 58.8 88.2



#30
1,1,1-Trichloroethane
Concen: 123.810 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034653.D
Acq: 19 Sep 2019 16:46

Tgt Ion: 97 Resp: 591710
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.8
61 53.2 43.4 65.0

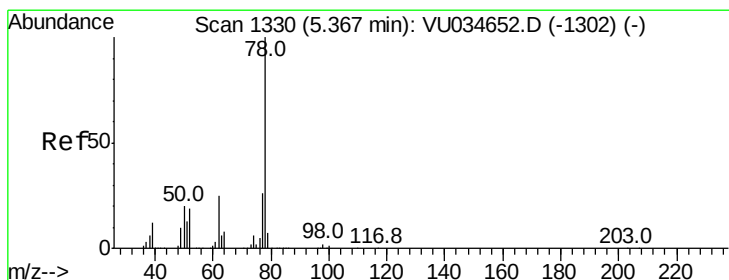
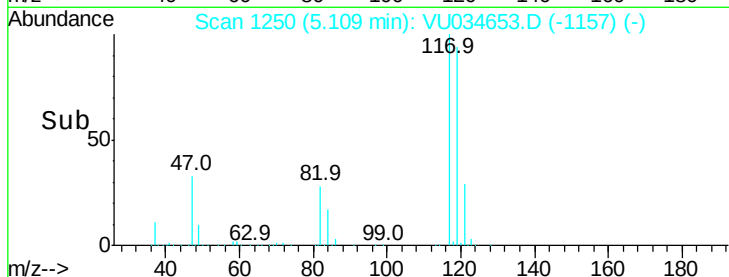
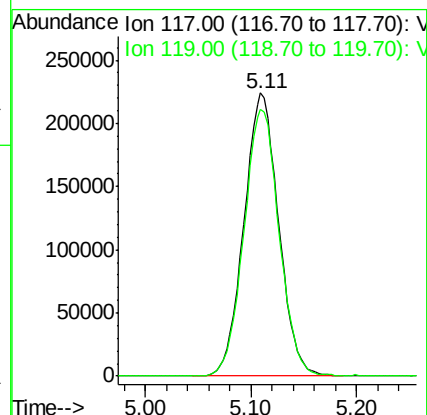
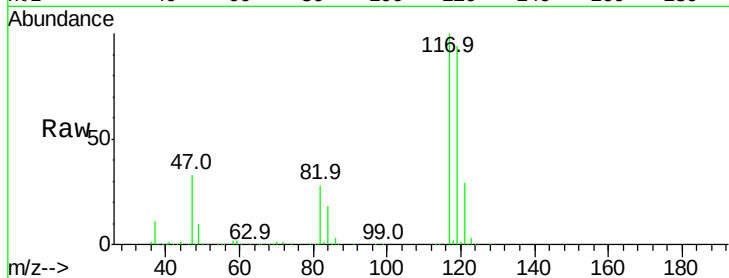




#31
Carbon tetrachloride
Concen: 126.218 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034653.D
Acq: 19 Sep 2019 16:46

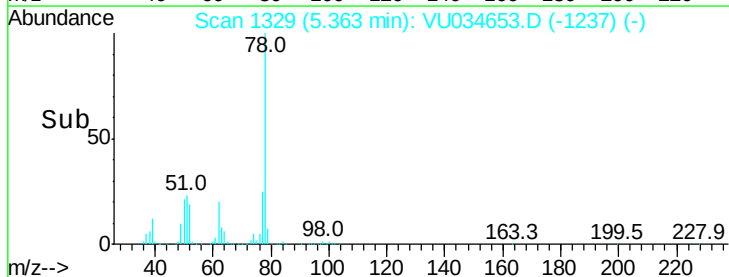
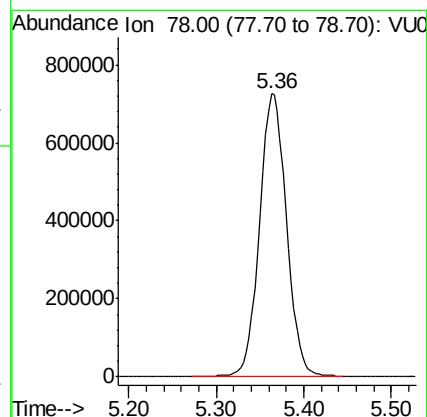
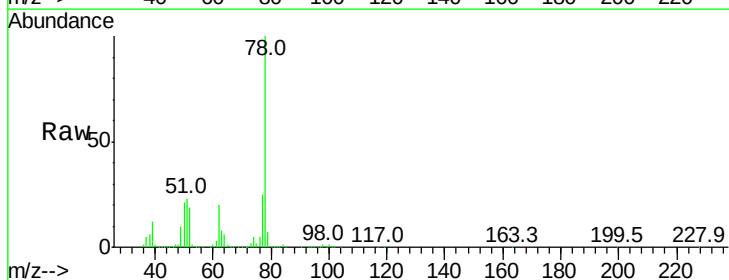
Instrument :
MSVOA_U
ClientSampleId :
VSTD10034

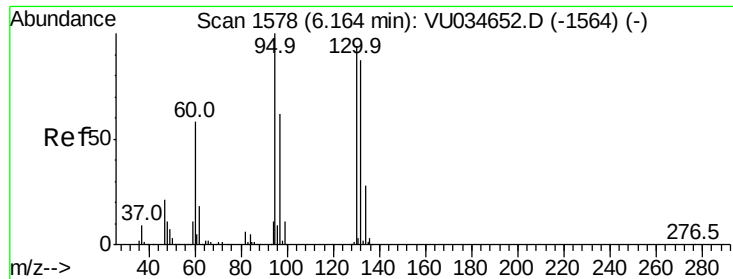
Tgt Ion:117 Resp: 509250
Ion Ratio Lower Upper
117 100
119 96.0 74.8 112.2



#33
Benzene
Concen: 128.436 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU034653.D
Acq: 19 Sep 2019 16:46

Tgt Ion: 78 Resp: 1558169

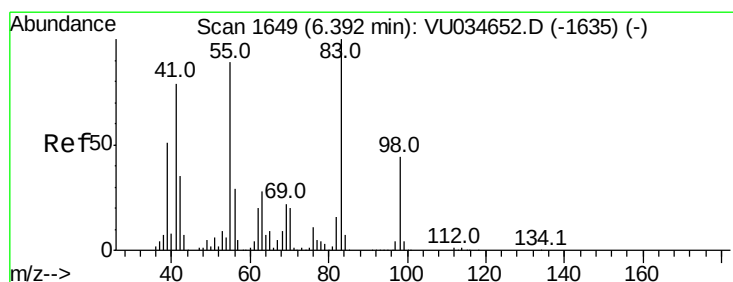
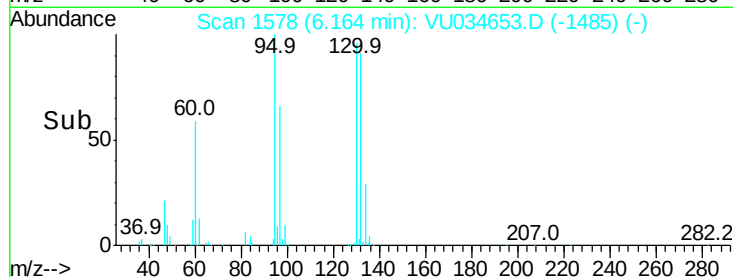
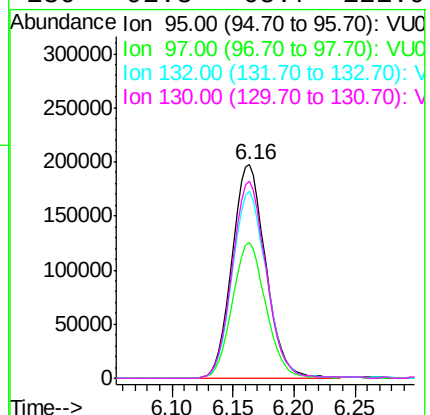
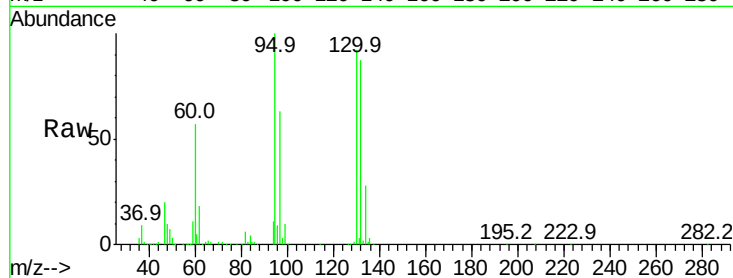




#34
 Trichloroethene
 Concen: 126.433 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

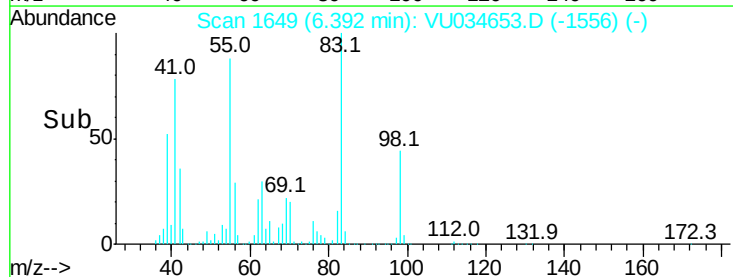
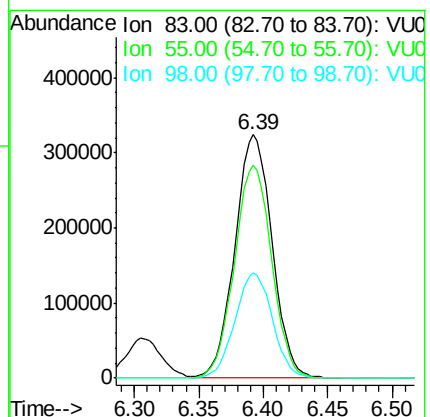
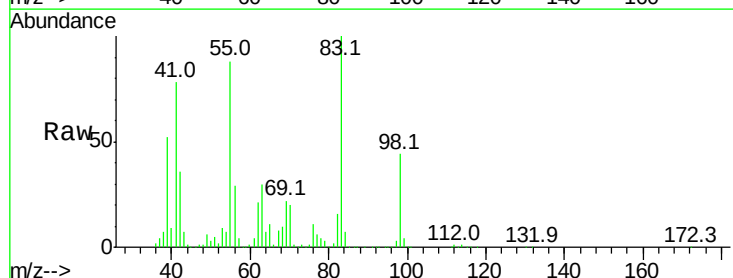
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10034

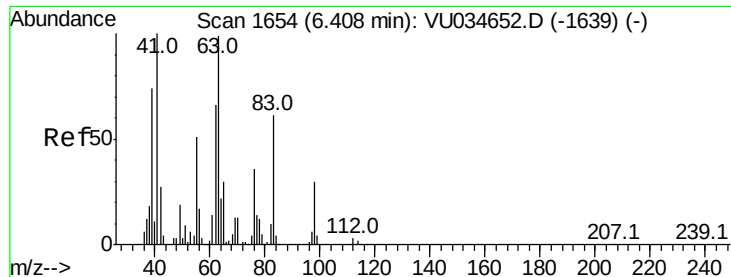
Tgt Ion: 95 Resp: 382087
 Ion Ratio Lower Upper
 95 100
 97 63.3 43.7 81.1
 132 87.4 61.0 113.2
 130 92.3 65.7 121.9



#35
 Methylcyclohexane
 Concen: 141.277 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

Tgt Ion: 83 Resp: 647262
 Ion Ratio Lower Upper
 83 100
 55 88.1 71.6 107.4
 98 43.8 35.7 53.5

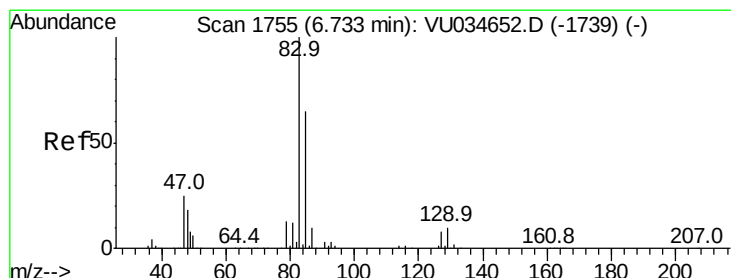
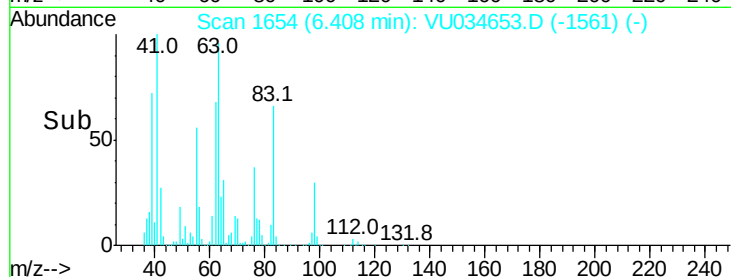
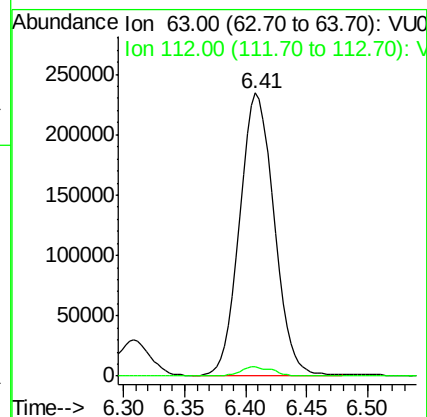
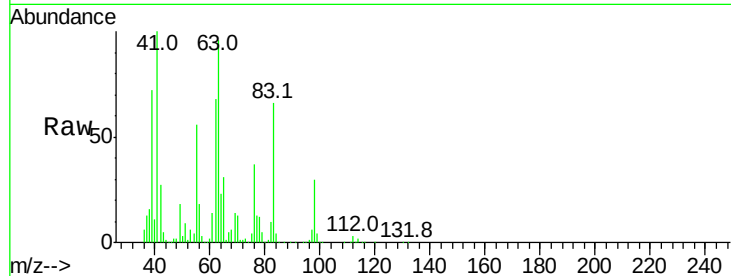




#37
 1,2-Dichloropropane
 Concen: 124.535 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

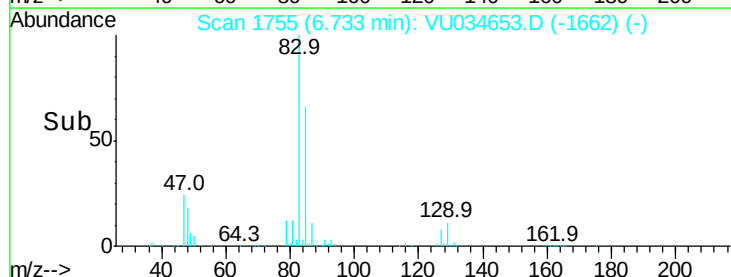
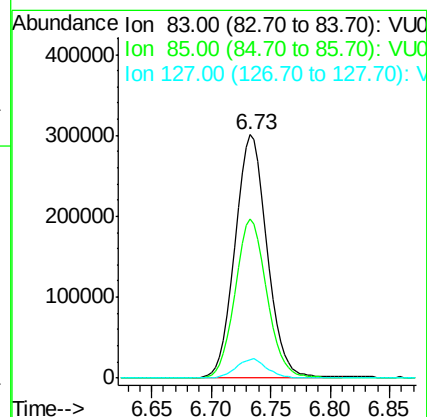
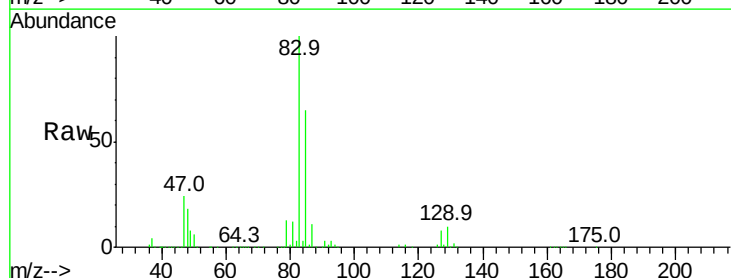
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10034

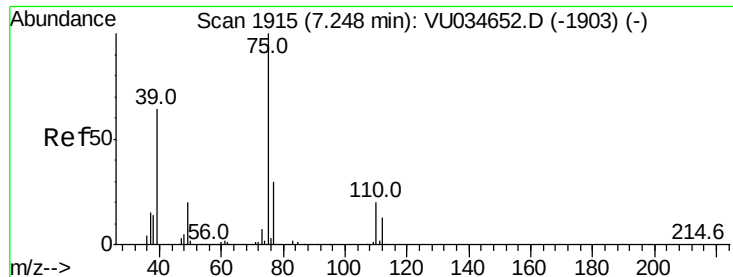
Tgt Ion: 63 Resp: 458561
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.4 3.6



#38
 Bromodichloromethane
 Concen: 116.333 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

Tgt Ion: 83 Resp: 559976
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.5 84.5
 127 7.8 6.1 9.1

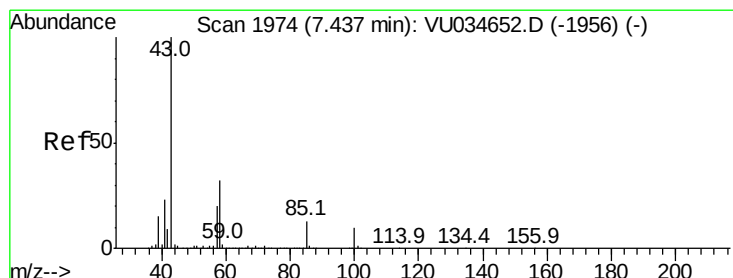
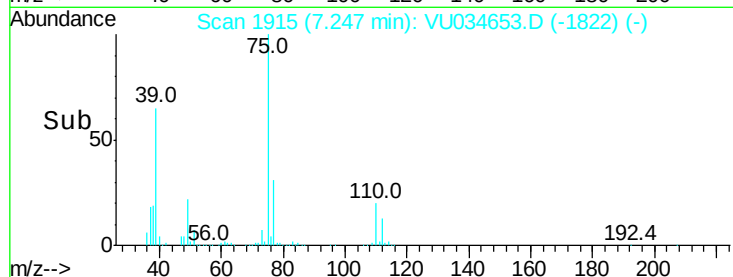
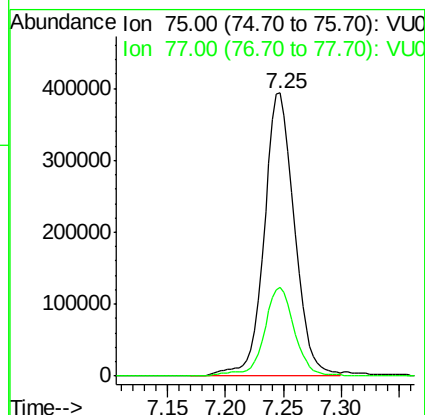
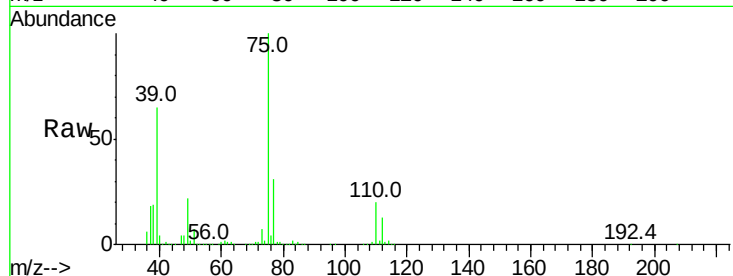




#39
 cis-1,3-Dichloropropene
 Concen: 129.299 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

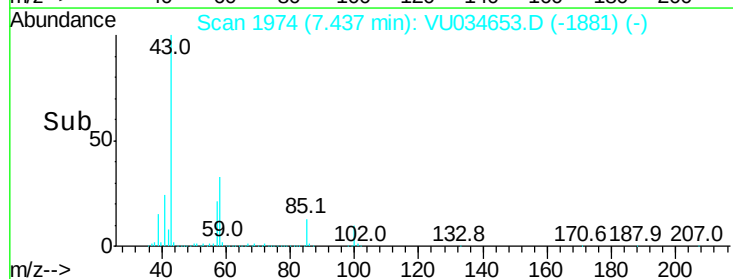
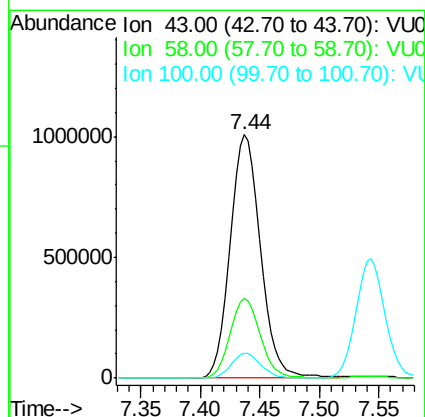
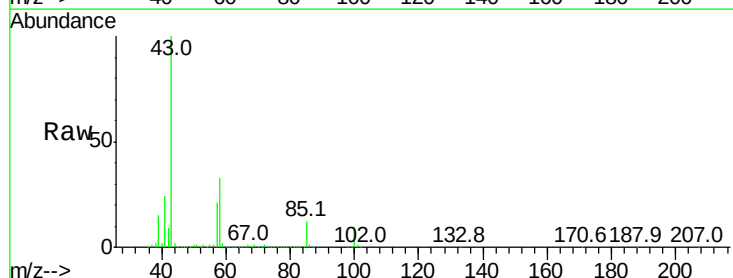
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10034

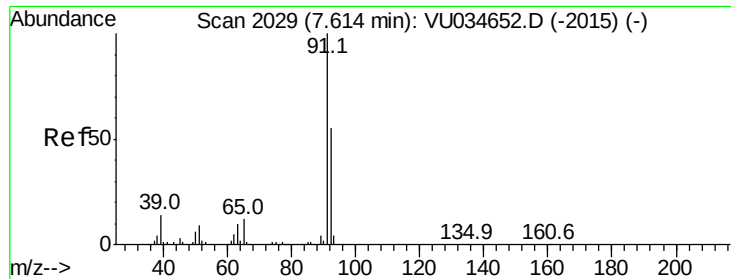
Tgt Ion: 75 Resp: 715297
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 278.904 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

Tgt Ion: 43 Resp: 1786385
 Ion Ratio Lower Upper
 43 100
 58 32.7 25.2 37.8
 100 9.8 7.7 11.5





#42

Toluene

Concen: 128.163 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

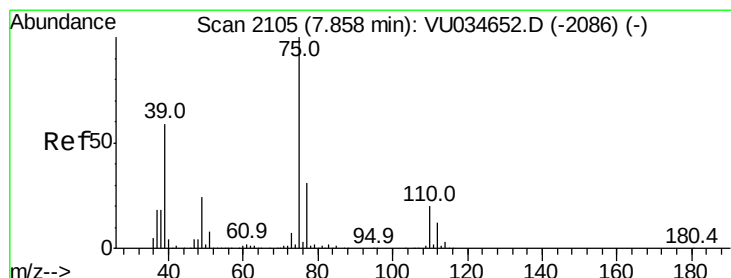
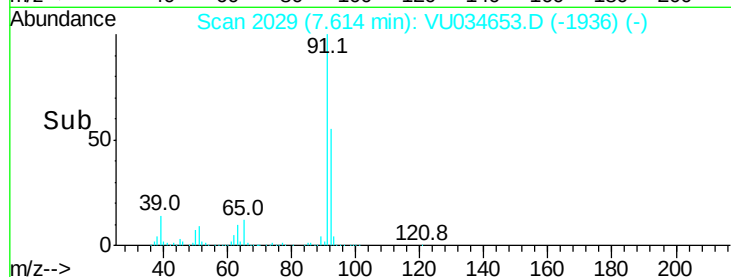
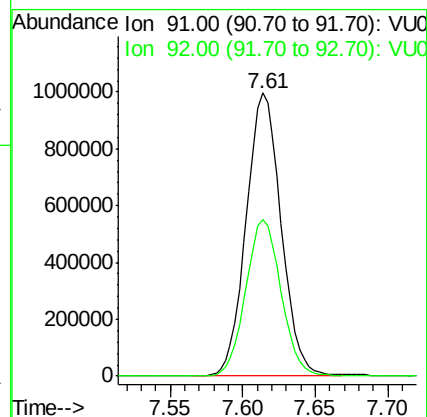
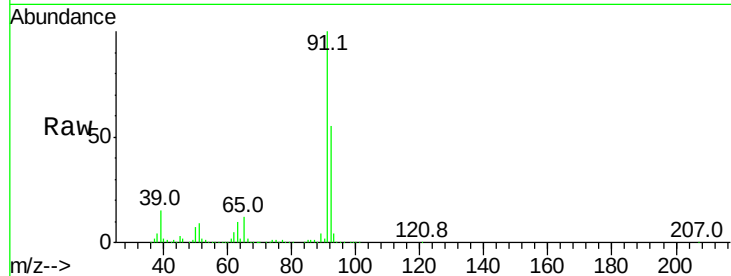
VSTD10034

Tgt Ion: 91 Resp: 1676453

Ion Ratio Lower Upper

91 100

92 55.4 38.2 71.0



#44

trans-1,3-Dichloropropene

Concen: 129.744 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034653.D

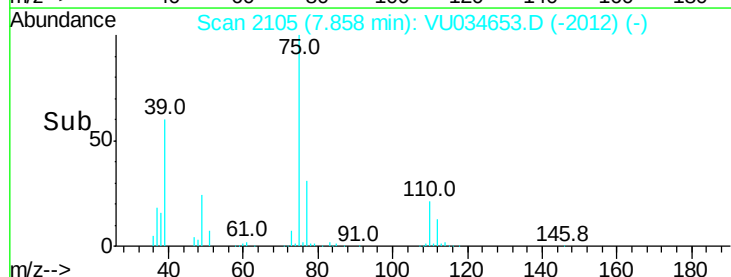
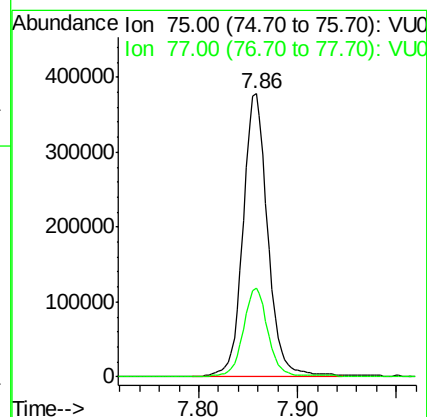
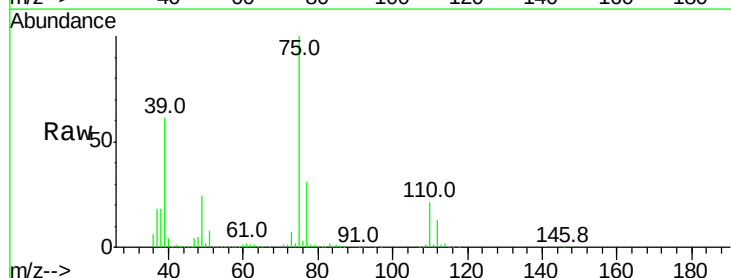
Acq: 19 Sep 2019 16:46

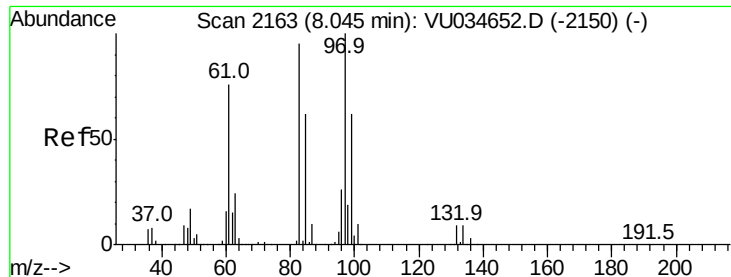
Tgt Ion: 75 Resp: 658159

Ion Ratio Lower Upper

75 100

77 31.2 21.4 39.8

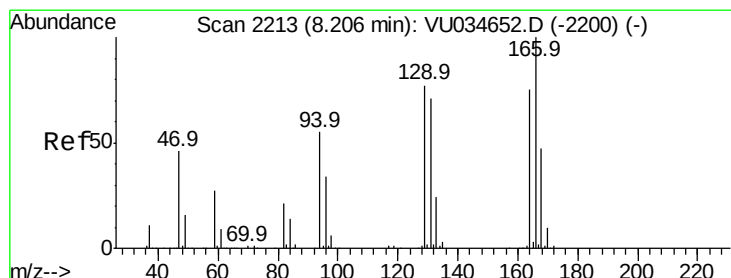
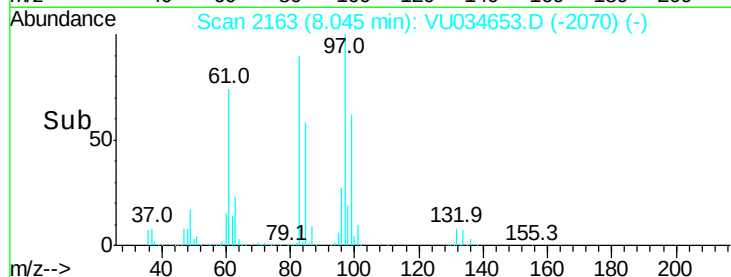
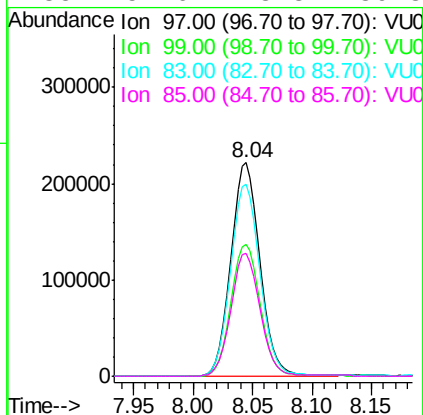
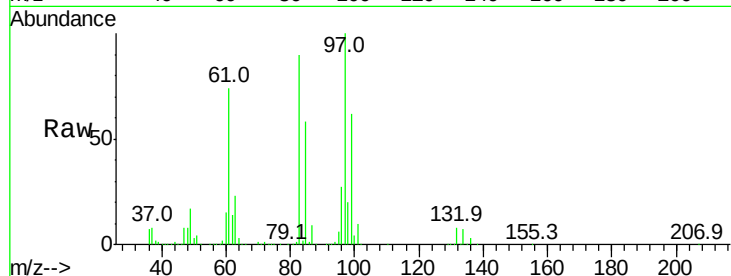




#45
 1,1,2-Trichloroethane
 Concen: 111.998 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

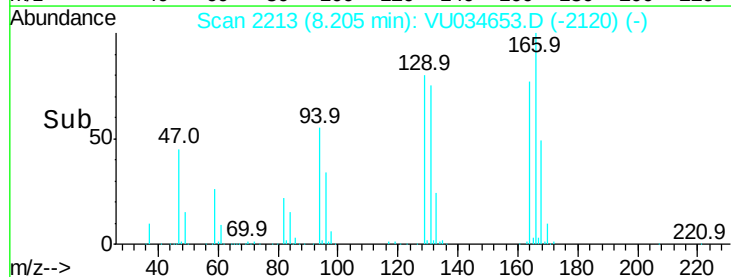
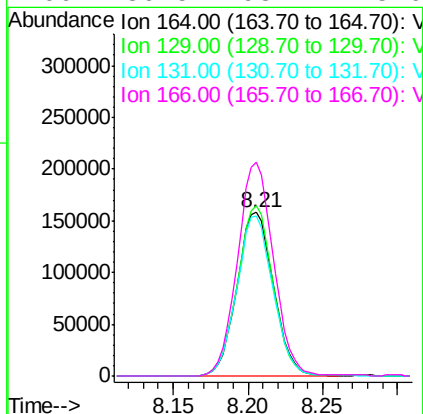
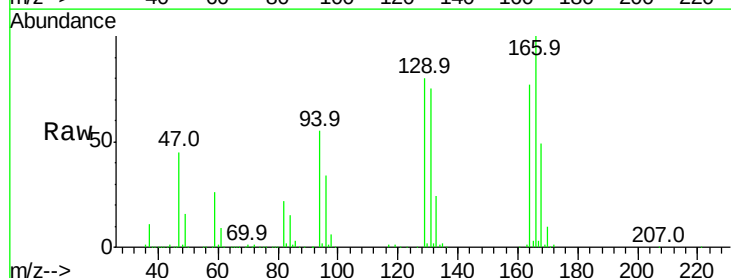
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10034

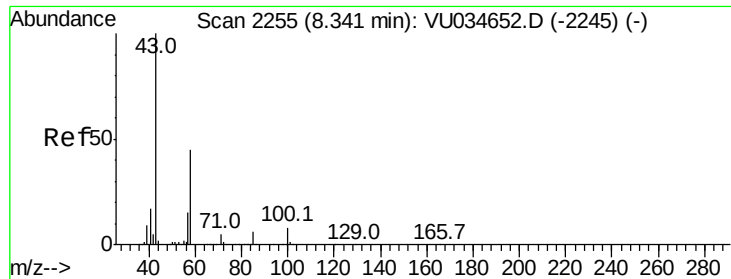
Tgt Ion:	97	Resp:	376345
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.6	81.0
83	89.9	66.9	124.3
85	57.6	43.3	80.3



#46
 Tetrachloroethene
 Concen: 134.230 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

Tgt Ion:	164	Resp:	269266
Ion	Ratio	Lower	Upper
164	100		
129	104.3	71.9	133.5
131	97.6	66.3	123.1
166	130.5	93.4	173.6



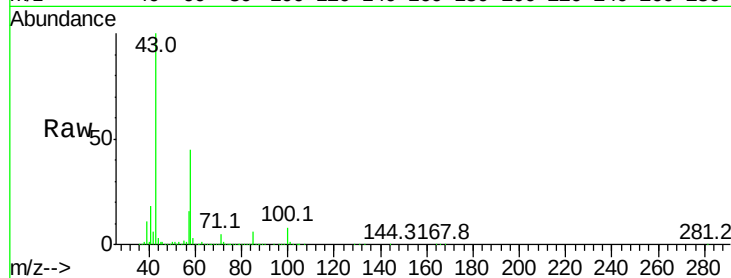


#48
2-Hexanone
Concen: 291.766 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034653.D
Acq: 19 Sep 2019 16:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD10034

Tgt Ion: 43 Resp: 1403934

Ion	Ratio	Lower	Upper
43	100		
58	45.7	35.3	52.9
57	15.5	12.1	18.1
100	7.9	6.2	9.4

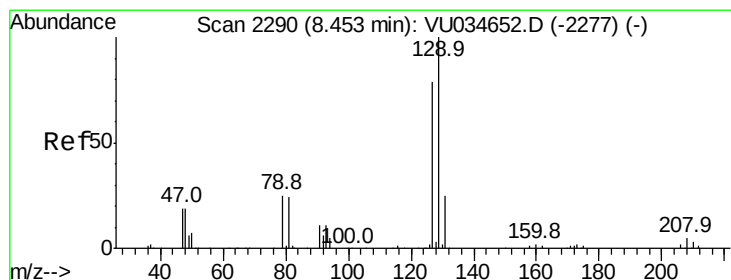
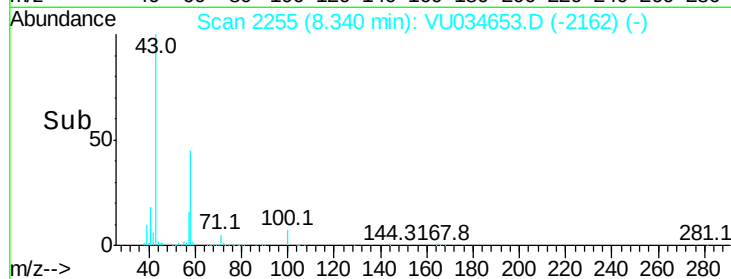
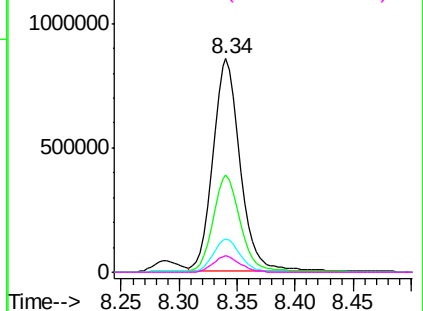


Abundance Ion 43.00 (42.70 to 43.70): VU034653.D (-2162) (-)

Ion 58.00 (57.70 to 58.70): VU034653.D (-2162) (-)

Ion 57.00 (56.70 to 57.70): VU034653.D (-2162) (-)

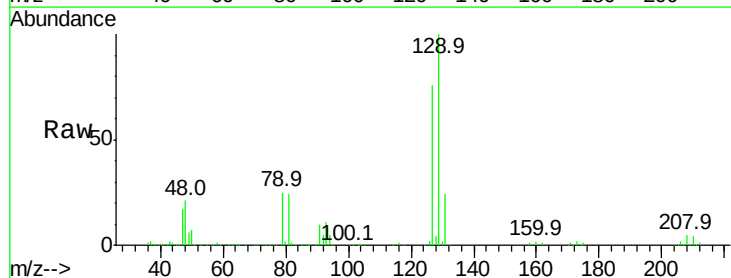
Ion 100.00 (99.70 to 100.70): VU034653.D (-2162) (-)



#49
Dibromochloromethane
Concen: 112.861 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034653.D
Acq: 19 Sep 2019 16:46

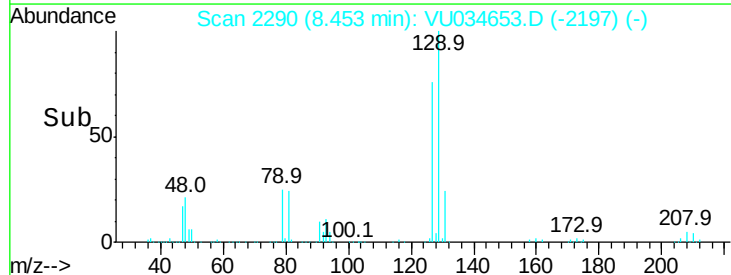
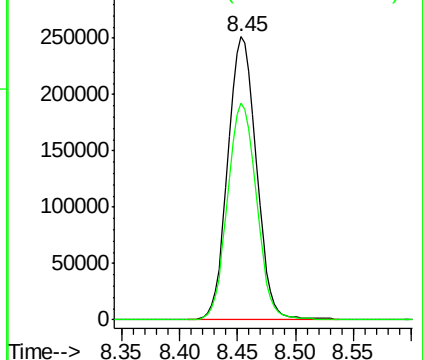
Tgt Ion: 129 Resp: 429511

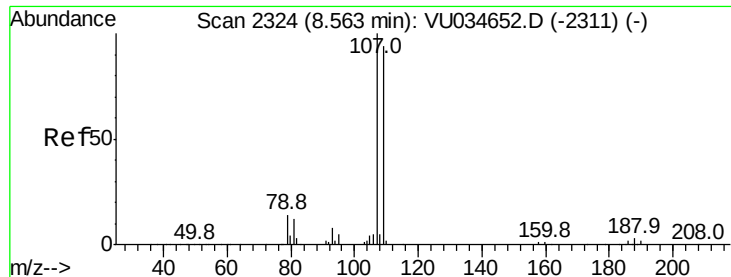
Ion	Ratio	Lower	Upper
129	100		
127	76.5	55.5	103.1



Abundance Ion 129.00 (128.70 to 129.70): VU034653.D (-2197) (-)

Ion 127.00 (126.70 to 127.70): VU034653.D (-2197) (-)

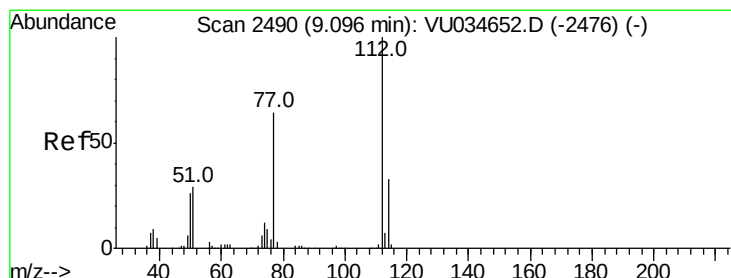
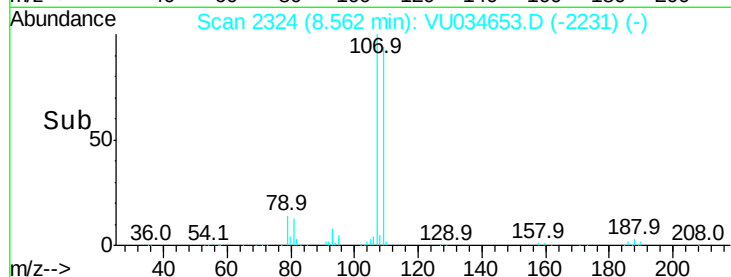
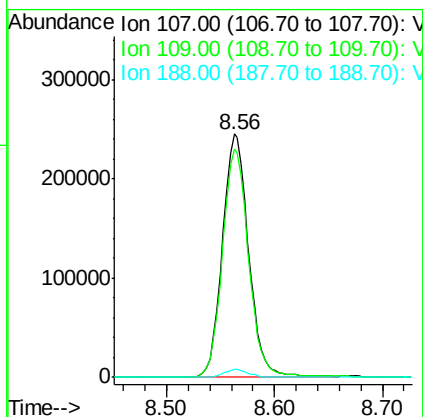
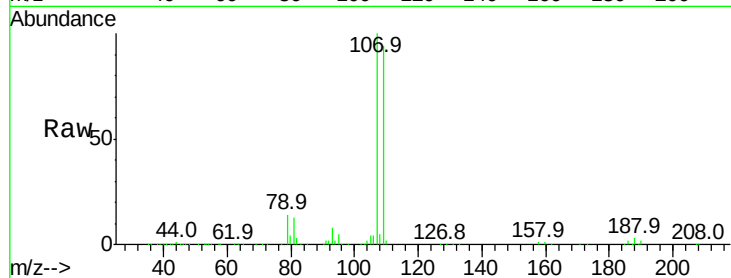




#50
 1,2-Dibromoethane
 Concen: 118.144 ug/L
 RT: 8.56 min Scan# 2324
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

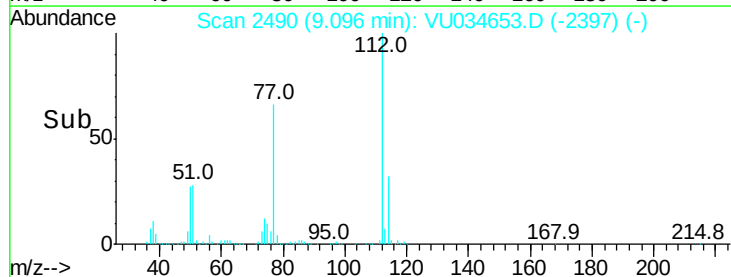
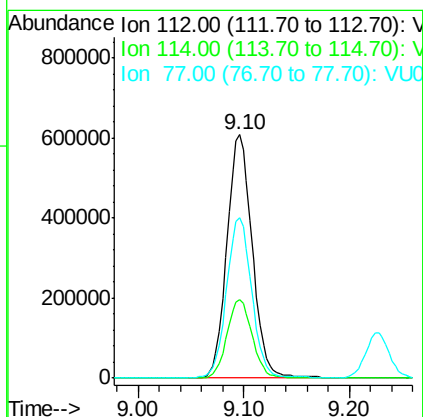
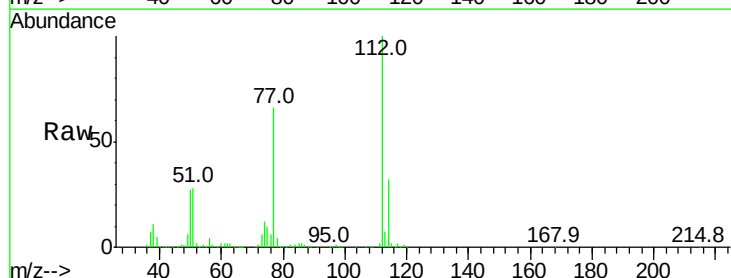
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10034

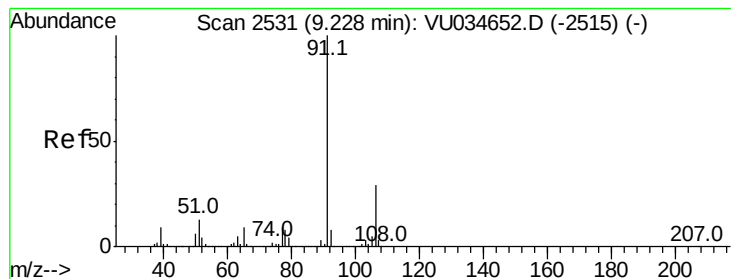
Tgt Ion:107 Resp: 414947
 Ion Ratio Lower Upper
 107 100
 109 93.8 65.5 121.6
 188 3.2 2.7 4.1



#51
 Chlorobenzene
 Concen: 117.966 ug/L
 RT: 9.10 min Scan# 2490
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

Tgt Ion:112 Resp: 1008106
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.8 42.4
 77 66.0 51.5 77.3





#52

Ethylbenzene

Concen: 124.202 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

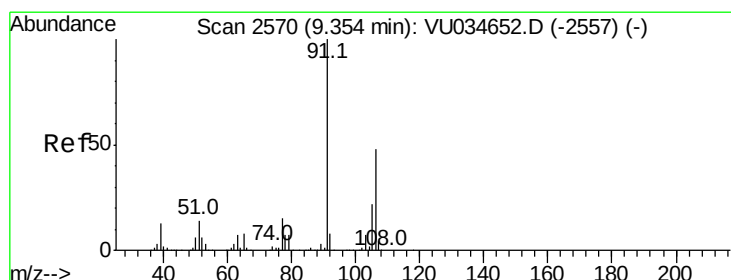
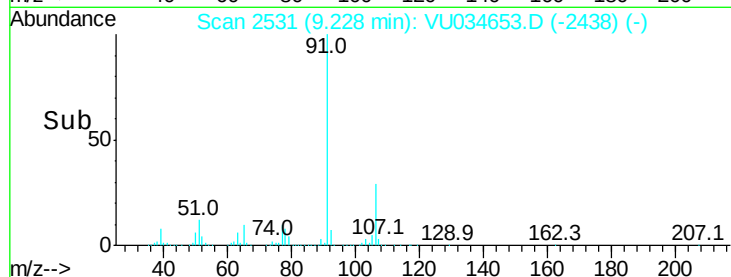
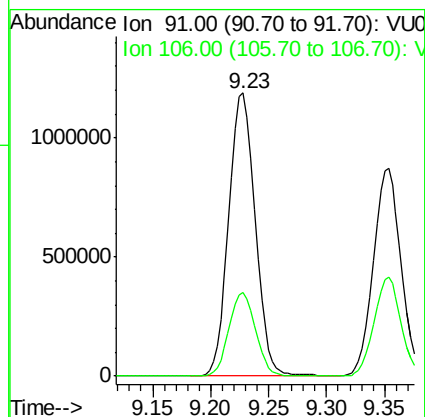
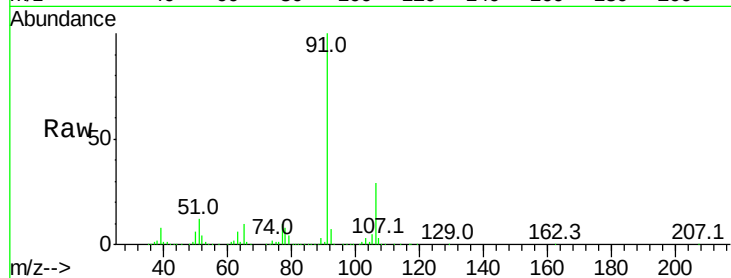
VSTD10034

Tgt Ion: 91 Resp: 1879720

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.4



#53

m,p-Xylene

Concen: 123.812 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034653.D

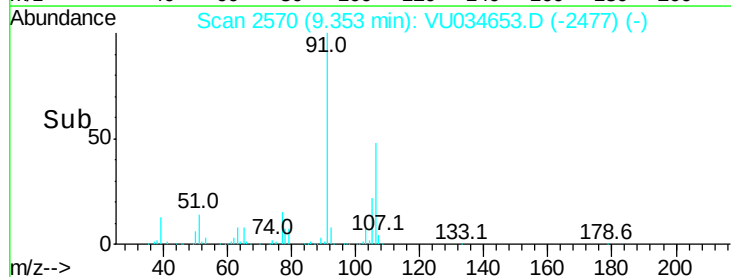
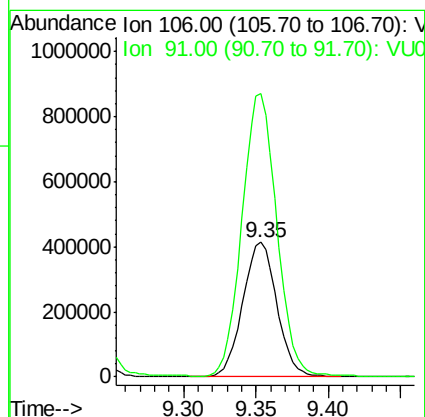
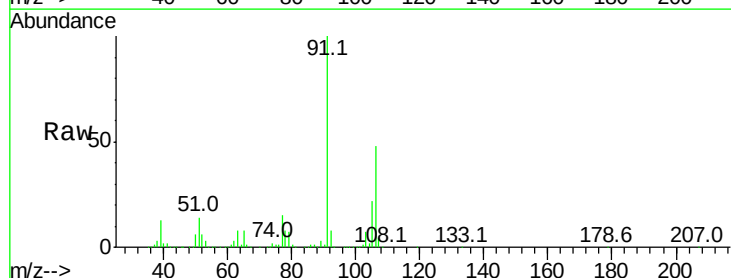
Acq: 19 Sep 2019 16:46

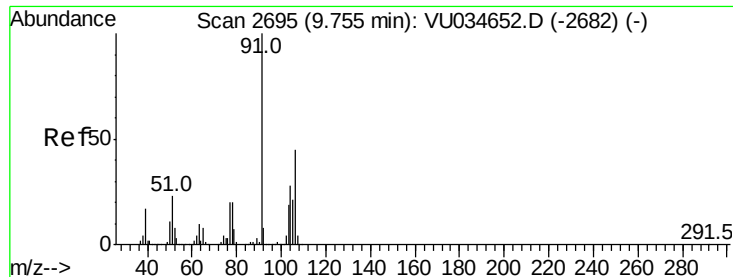
Tgt Ion: 106 Resp: 673677

Ion Ratio Lower Upper

106 100

91 209.9 146.9 272.7





#54

o-xylene

Concen: 122.654 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

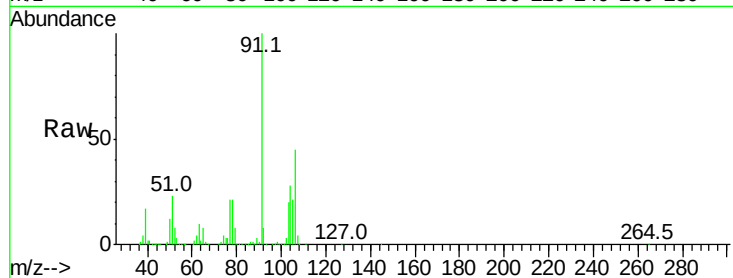
VSTD10034

Tgt Ion:106 Resp: 677080

Ion Ratio Lower Upper

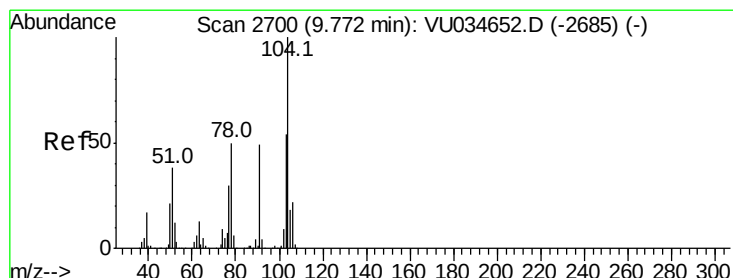
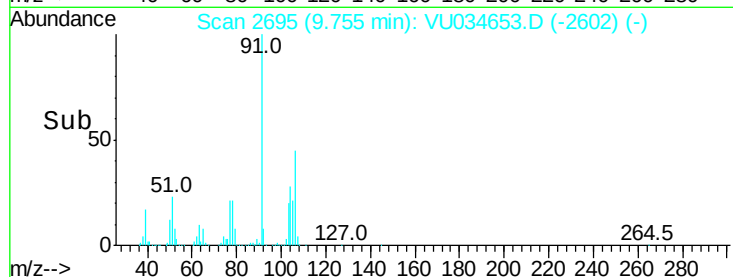
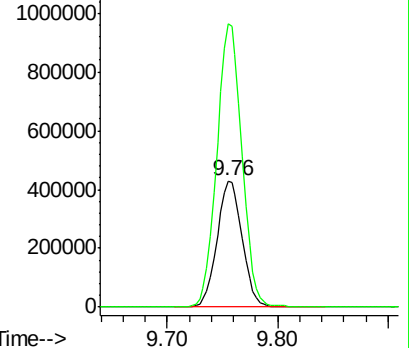
106 100

91 224.6 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 122.395 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VU034653.D

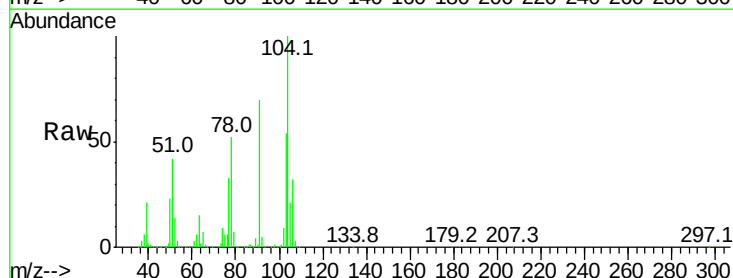
Acq: 19 Sep 2019 16:46

Tgt Ion:104 Resp: 1162937

Ion Ratio Lower Upper

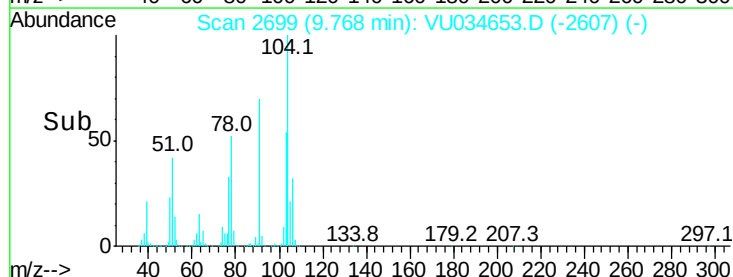
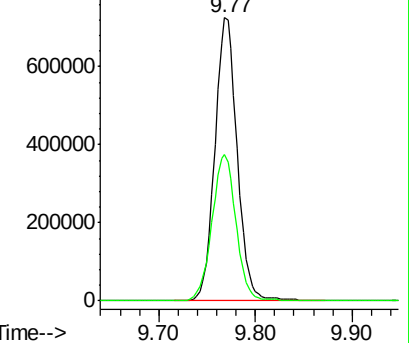
104 100

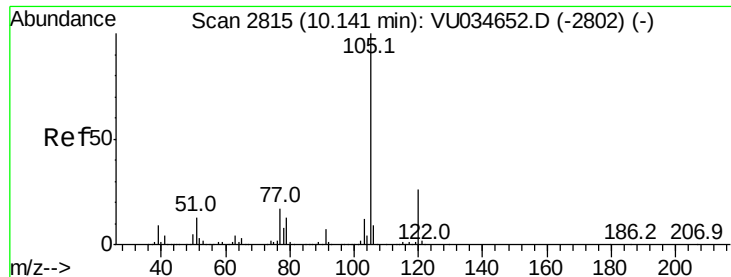
78 51.9 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 120.660 ug/L

RT: 10.14 min Scan# 2815

Delta R.T. 0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10034

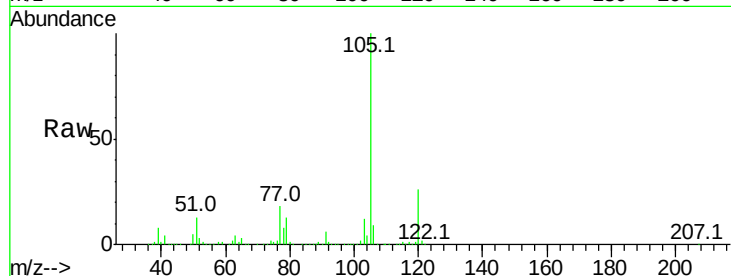
Tgt Ion:105 Resp: 1791493

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

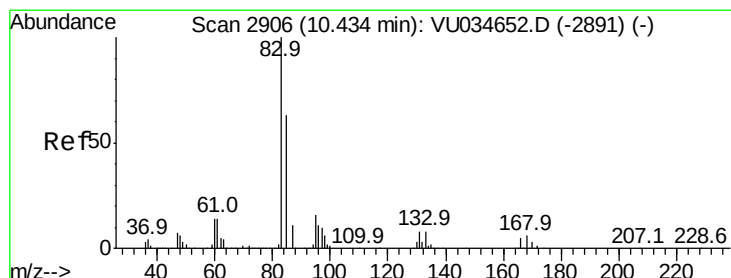
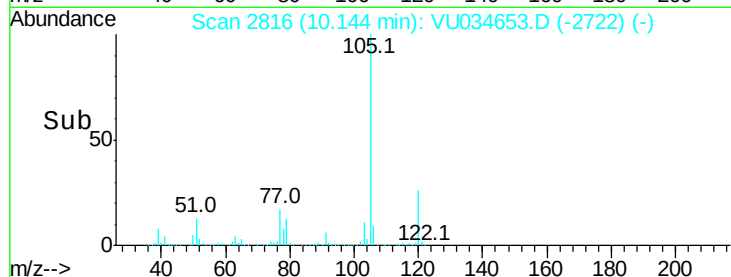
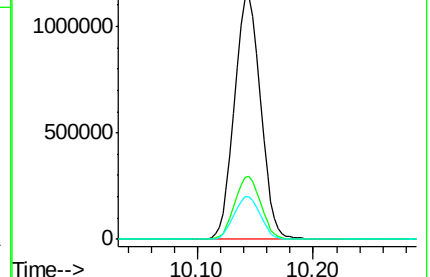
77 17.5 14.2 21.4



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: 107.718 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

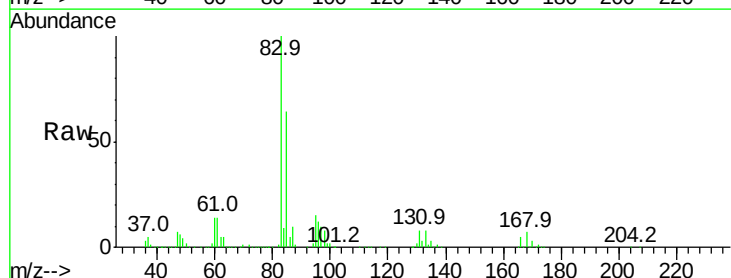
Tgt Ion: 83 Resp: 719793

Ion Ratio Lower Upper

83 100

85 64.3 44.6 82.8

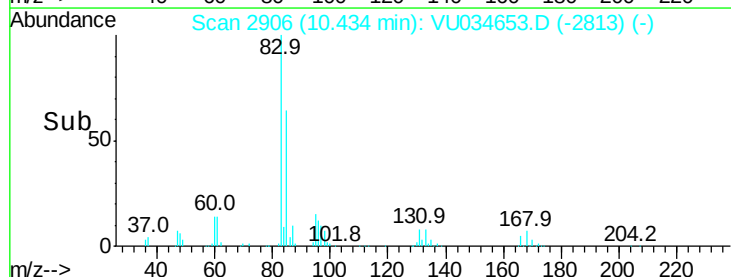
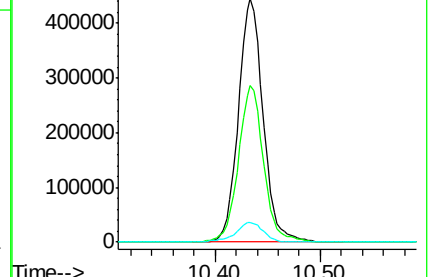
131 8.3 6.6 10.0

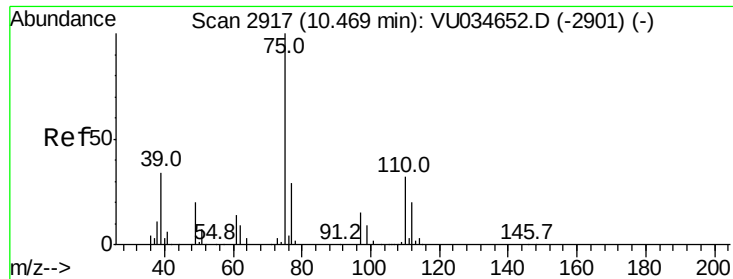


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 114.104 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

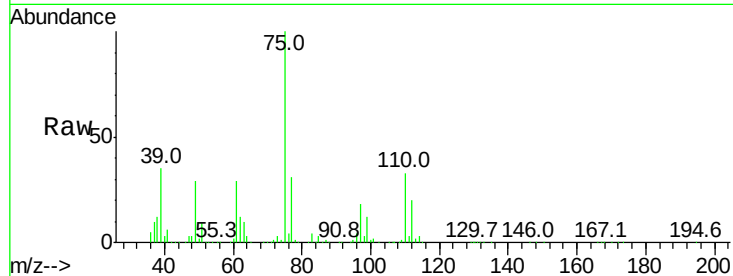
VSTD10034

Tgt Ion: 75 Resp: 573886

Ion Ratio Lower Upper

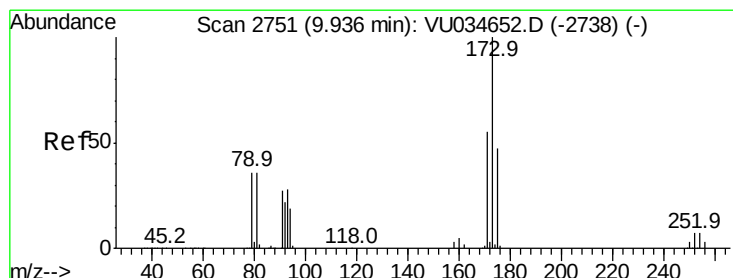
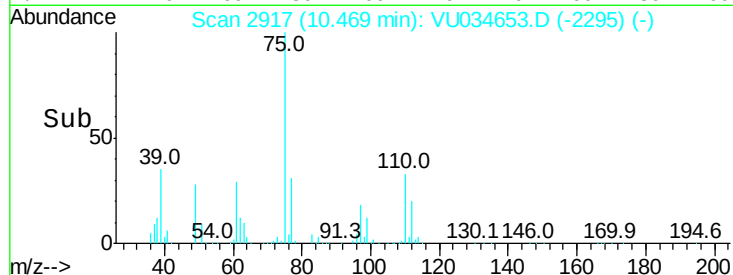
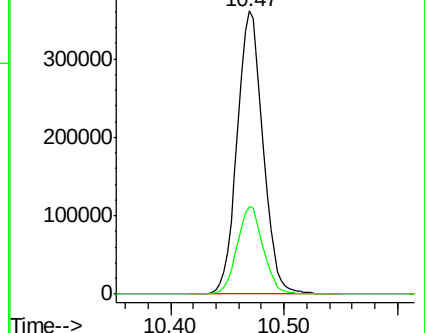
75 100

77 31.2 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU034653.D (-2295) (-)

Ion 77.00 (76.70 to 77.70): VU034653.D (-2295) (-)



#61

Bromoform

Concen: 108.721 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

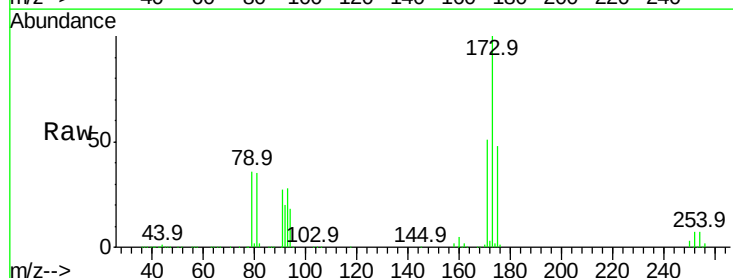
Tgt Ion: 173 Resp: 316957

Ion Ratio Lower Upper

173 100

175 48.0 38.8 58.2

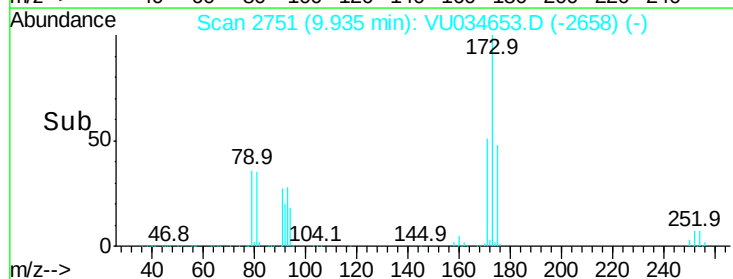
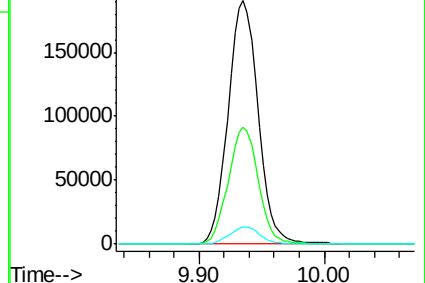
254 7.1 5.3 7.9

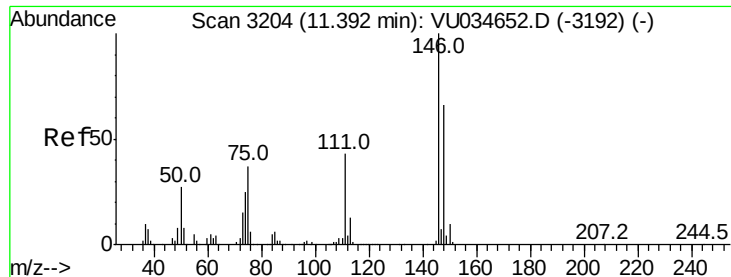


Abundance Ion 173.00 (172.70 to 173.70): VU034653.D (-2658) (-)

Ion 175.00 (174.70 to 175.70): VU034653.D (-2658) (-)

Ion 254.00 (253.70 to 254.70): VU034653.D (-2658) (-)

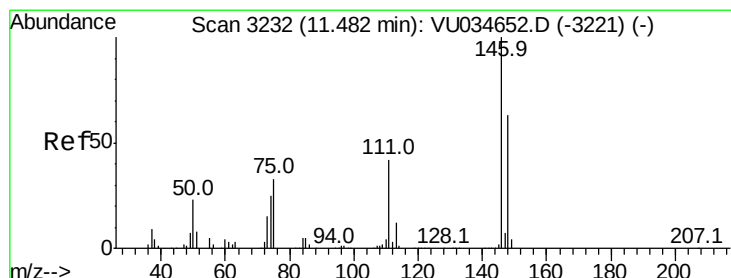
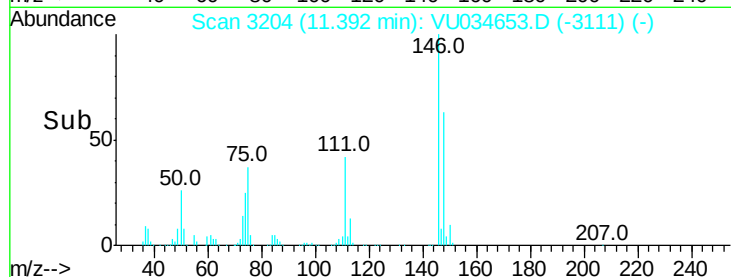
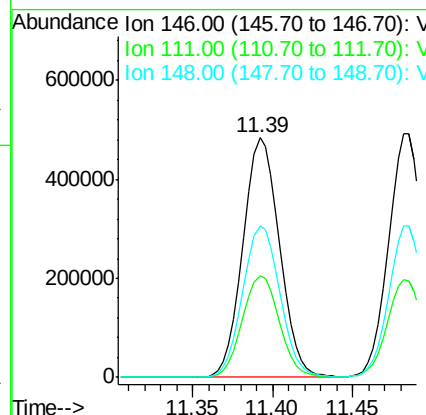
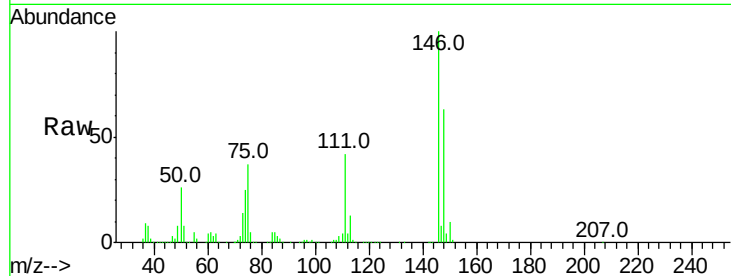




#62
 1,3-Dichlorobenzene
 Concen: 110.201 ug/L
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

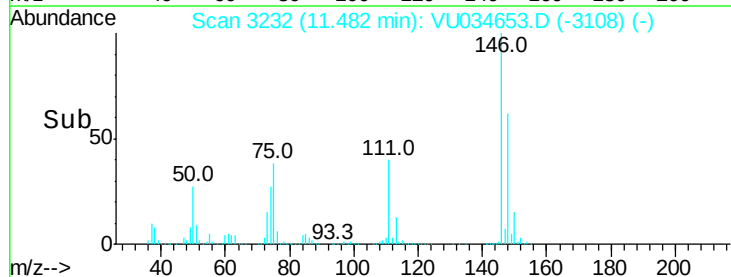
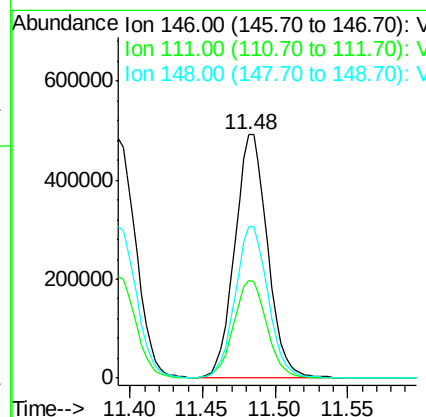
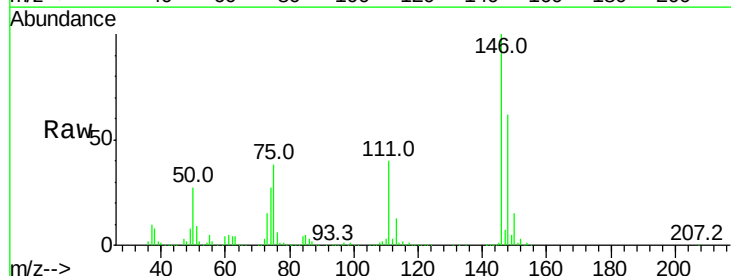
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10034

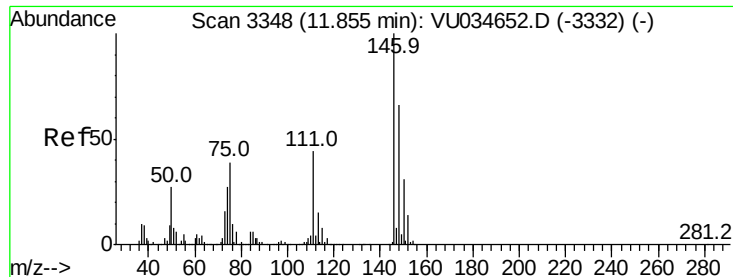
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	30.4	56.5
148	63.3	46.1	85.7



#63
 1,4-Dichlorobenzene
 Concen: 110.608 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	29.5	54.9
148	62.0	44.4	82.4

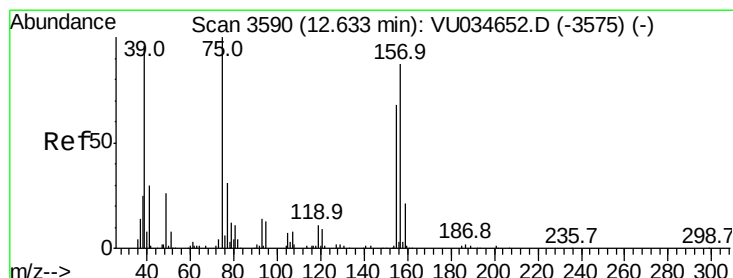
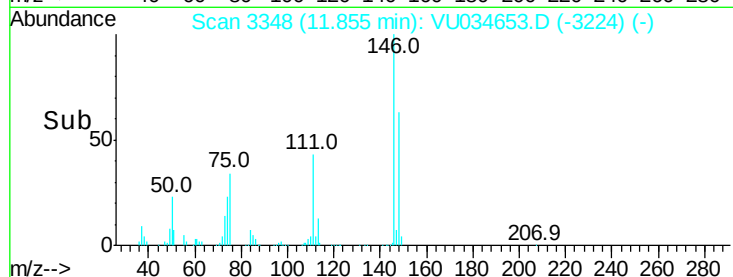
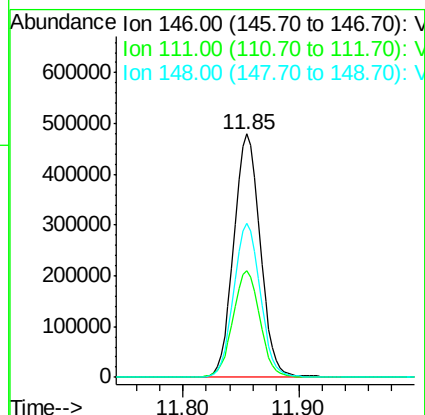
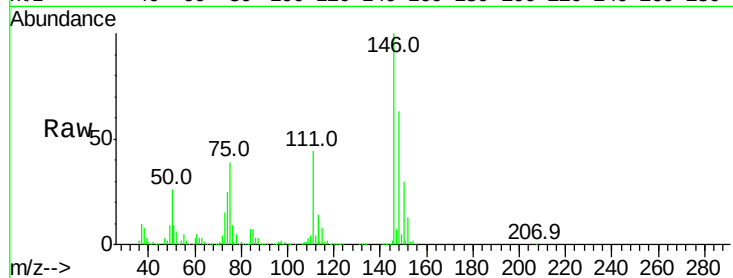




#65
 1,2-Dichlorobenzene
 Concen: 109.456 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

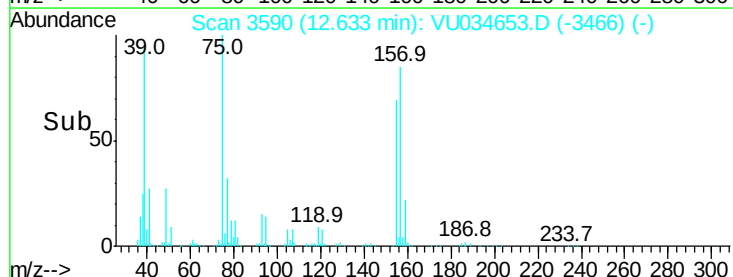
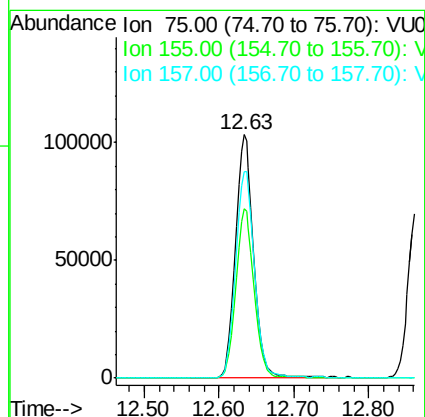
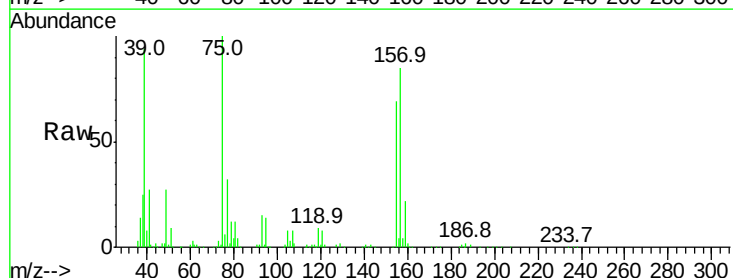
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10034

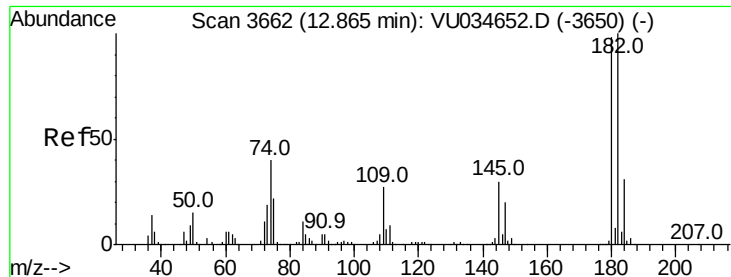
Tgt Ion:146 Resp: 755862
 Ion Ratio Lower Upper
 146 100
 111 43.7 35.2 52.8
 148 63.2 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 111.128 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

Tgt Ion: 75 Resp: 173861
 Ion Ratio Lower Upper
 75 100
 155 69.4 54.7 82.1
 157 84.6 69.9 104.9

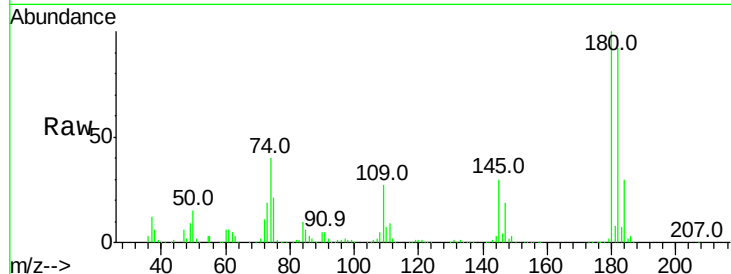




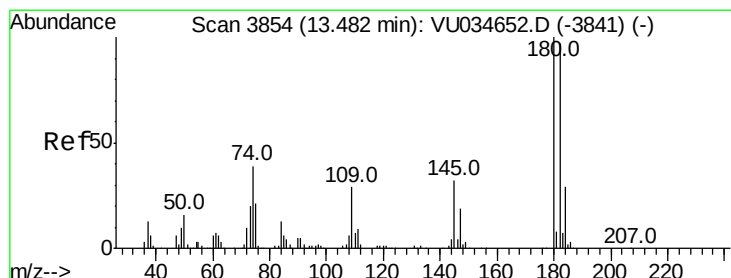
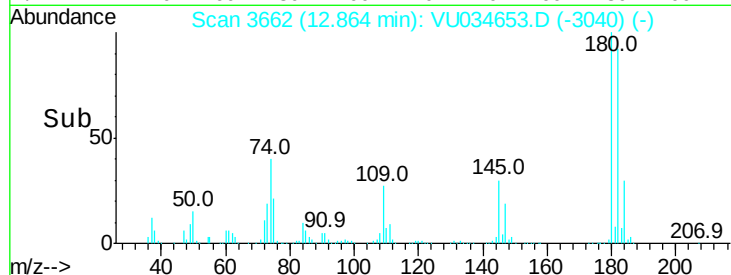
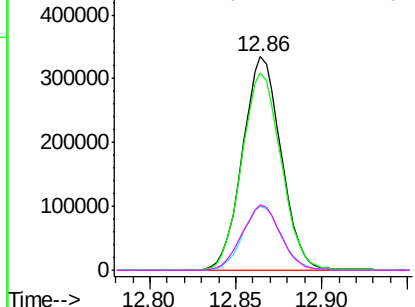
#67
 1,3,5-Trichlorobenzene
 Concen: 116.869 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10034

Tgt Ion:180 Resp: 521472
 Ion Ratio Lower Upper
 180 100
 182 94.5 79.2 118.8
 184 30.1 24.6 36.8
 145 30.6 24.9 37.3

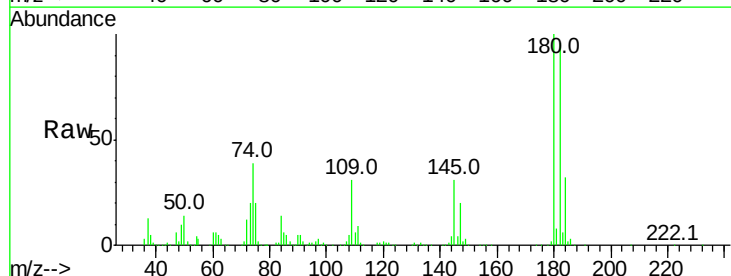


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

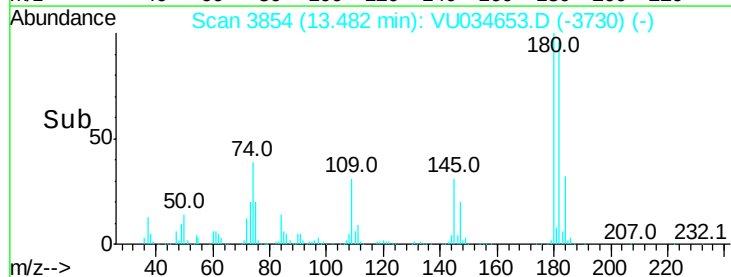
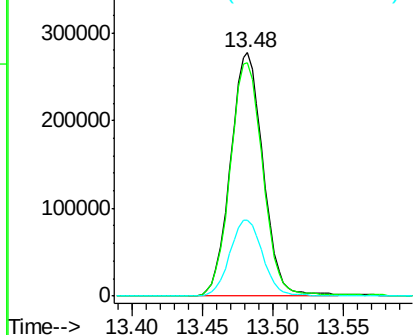


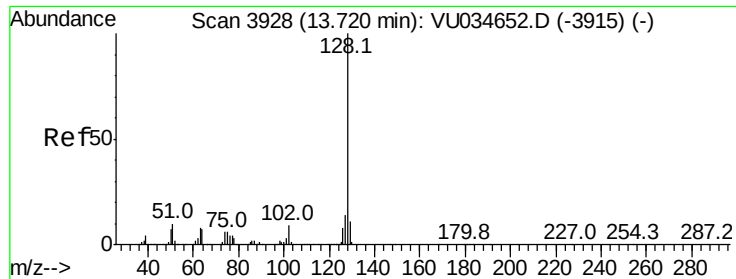
#68
 1,2,4-trichlorobenzene
 Concen: 117.944 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034653.D
 Acq: 19 Sep 2019 16:46

Tgt Ion:180 Resp: 449574
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.7 113.5
 145 31.8 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: 113.666 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10034

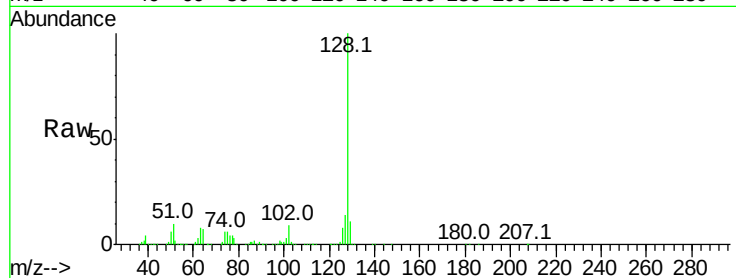
Tgt Ion:128 Resp: 1600735

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

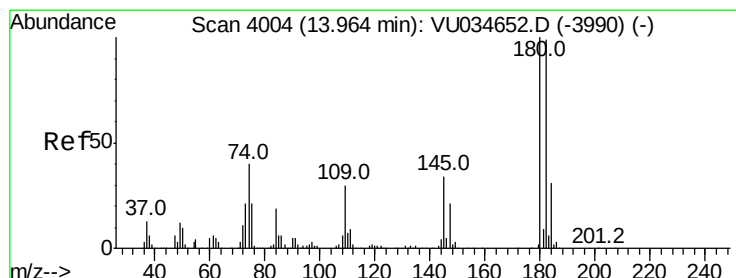
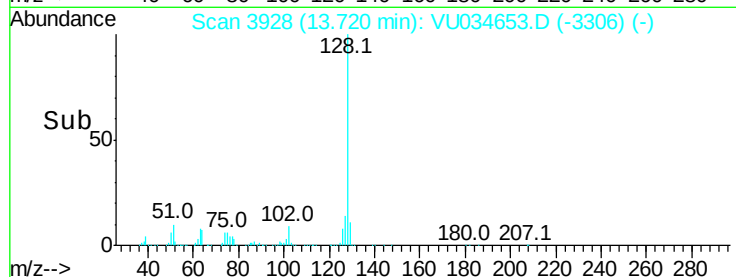
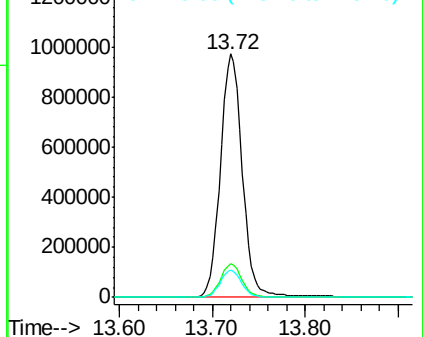
129 10.9 8.6 12.8



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: 115.192 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034653.D

Acq: 19 Sep 2019 16:46

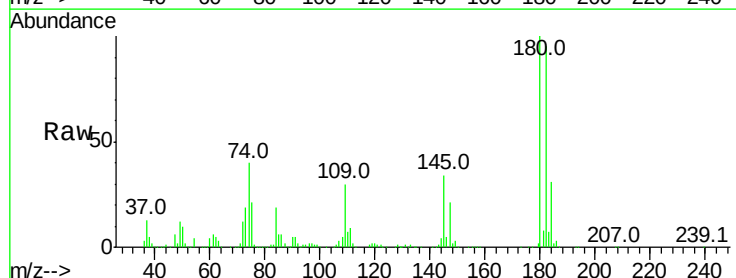
Tgt Ion:180 Resp: 449511

Ion Ratio Lower Upper

180 100

182 93.8 79.2 118.8

145 33.3 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

