

Data File : VU036353.D
Acq On : 27 Dec 2019 13:31
Operator : JC/MD
Sample : VSTD100
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

Quant Time: Dec 27 13:52:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 27 13:46:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	552980	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	528394	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	261777	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	415567	72.82	ug/L	0.00
7) Chloroethane-d5	1.92	69	347625	70.87	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	704381	90.01	ug/L	0.00
21) 2-Butanone-d5	4.68	46	632628	225.46	ug/L	0.00
24) Chloroform-d	5.11	84	737258	88.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	470573	88.12	ug/L	0.00
32) Benzene-d6	5.77	84	1438065	97.23	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	470785	101.09	ug/L	0.00
41) Toluene-d8	7.93	98	1374513	100.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	261352	115.70	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	503429	270.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	741830	101.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	526865	97.33	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	422601	76.454 ug/L	99
3) Chloromethane	1.54	50	398927	68.671 ug/L	98
5) Vinyl chloride	1.62	62	448417	73.027 ug/L	100
6) Bromomethane	1.86	94	239297	66.714 ug/L	98
8) Chloroethane	1.94	64	263986	72.843 ug/L	100
9) Trichlorofluoromethane	2.15	101	631371	79.992 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	308248	81.596 ug/L	97
12) 1,1-Dichloroethene	2.60	96	309477	86.251 ug/L	91
13) Acetone	2.66	43	591366	176.312 ug/L	99
14) Carbon disulfide	2.82	76	953720	84.540 ug/L	99
15) Methyl Acetate	2.99	43	445486	99.741 ug/L	100
16) Methylene chloride	3.08	84	379423	85.084 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	340551	90.103 ug/L	98
18) Methyl tert-butyl Ether	3.41	73	1224395	108.447 ug/L	100
19) 1,1-Dichloroethane	3.92	63	663968	90.871 ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	406469	96.075 ug/L	# 95
22) 2-Butanone	4.76	43	761235	214.736 ug/L	98
23) Bromochloromethane	5.02	128	201257	85.975 ug/L	98
25) Chloroform	5.13	83	704890	89.646 ug/L	97
27) 1,2-Dichloroethane	5.84	62	560840	92.061 ug/L	98
29) Cyclohexane	5.43	56	594825	116.231 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	621294	104.379 ug/L	99
31) Carbon tetrachloride	5.57	117	542714	102.121 ug/L	99
33) Benzene	5.82	78	1527534	101.584 ug/L	100
34) Trichloroethene	6.58	95	395516	103.230 ug/L	97
35) Methylcyclohexane	6.80	83	609658	109.861 ug/L	99
37) 1,2-Dichloropropane	6.83	63	400426	102.255 ug/L	99
38) Bromodichloromethane	7.14	83	573246	108.585 ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	698040	118.387 ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	1382366	273.307 ug/L	100

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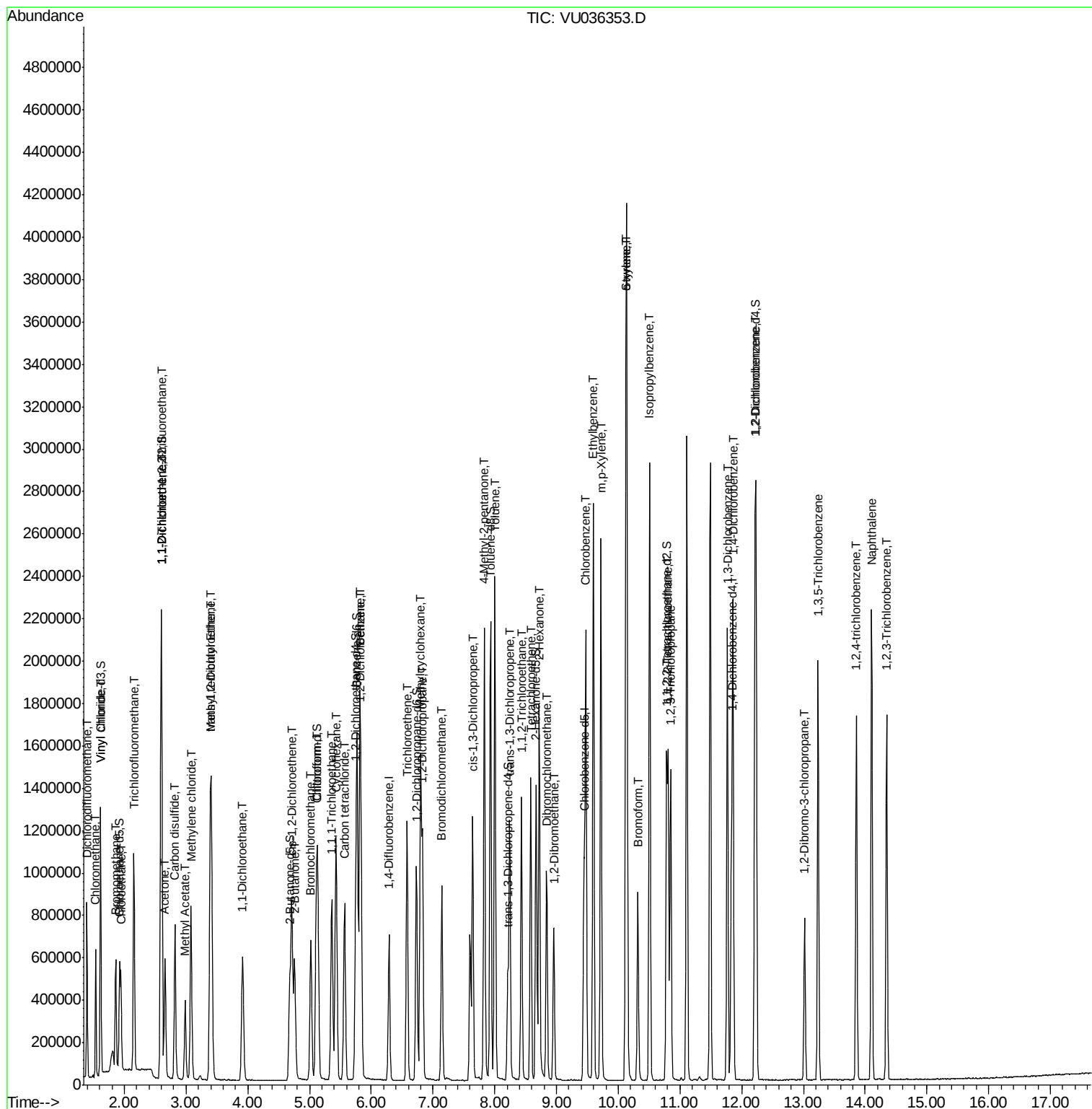
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1686050	105.665	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	641290	116.464	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	397442	101.416	ug/L	98
46) Tetrachloroethene	8.58	164	277290	84.003	ug/L	96
48) 2-Hexanone	8.72	43	1113875	263.945	ug/L	99
49) Dibromochloromethane	8.84	129	477498	105.684	ug/L	95
50) 1,2-Dibromoethane	8.95	107	456313	107.821	ug/L	95
51) Chlorobenzene	9.47	112	1063412	99.162	ug/L	99
52) Ethylbenzene	9.60	91	1901020	112.843	ug/L	99
53) m,p-Xylene	9.72	106	708802	108.923	ug/L	98
54) o-xylene	10.13	106	703687	112.010	ug/L	98
55) Styrene	10.14	104	1225950	112.415	ug/L	98
56) Isopropylbenzene	10.51	105	1856611	114.112	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	725990	106.213	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	573793	102.810	ug/L	99
61) Bromoform	10.32	173	370762	105.805	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	816983	101.690	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	816686	98.941	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	816009	99.236	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	189558	130.552	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	559826	97.086	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	476366	112.630	ug/L	99
69) Naphthalene	14.10	128	1698666	150.432	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	475571	105.163	ug/L	99

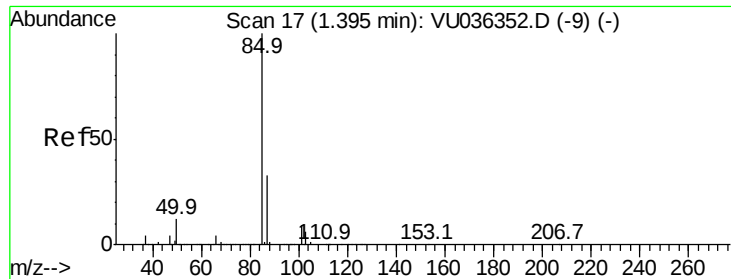
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 76.454 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

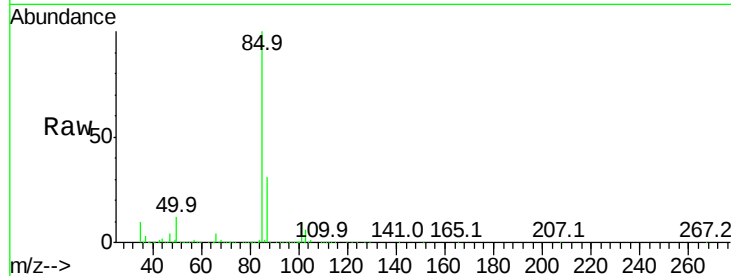
VSTD10035

Tgt Ion: 85 Resp: 422601

Ion Ratio Lower Upper

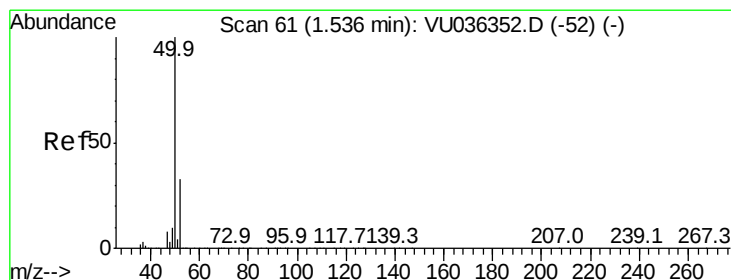
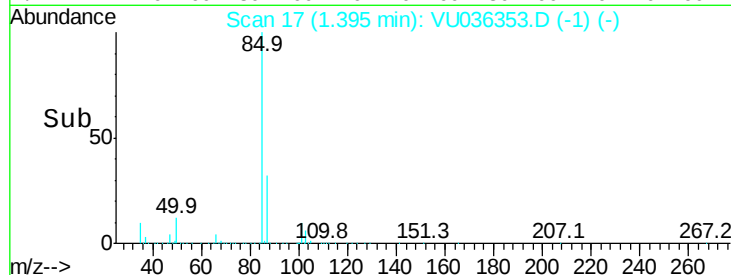
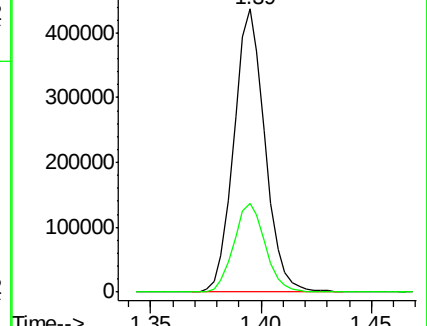
85 100

87 32.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU036353.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036353.D (-1) (-)



#3

Chloromethane

Concen: 68.671 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036353.D

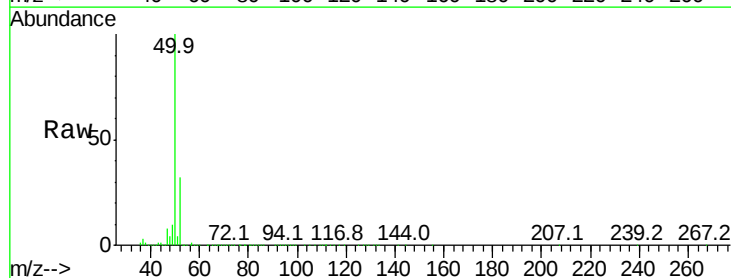
Acq: 27 Dec 2019 13:31

Tgt Ion: 50 Resp: 398927

Ion Ratio Lower Upper

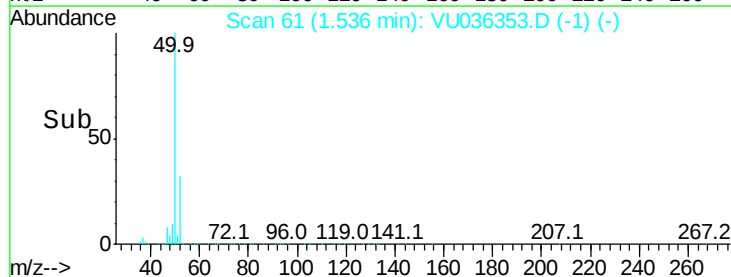
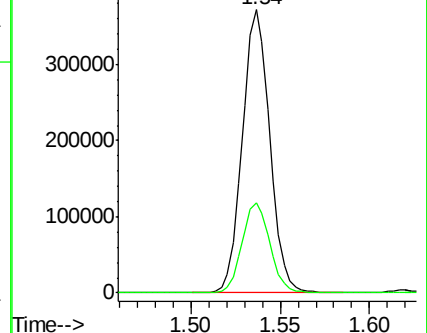
50 100

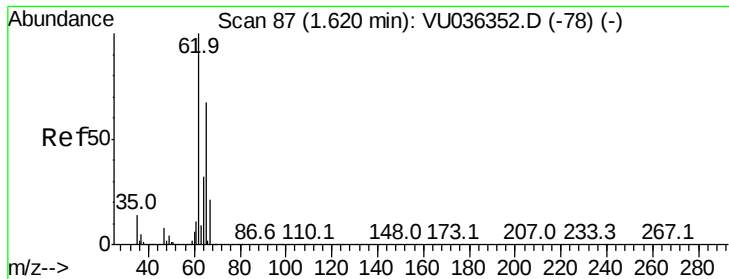
52 31.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036353.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036353.D (-1) (-)





#5

Vinyl chloride

Concen: 73.027 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

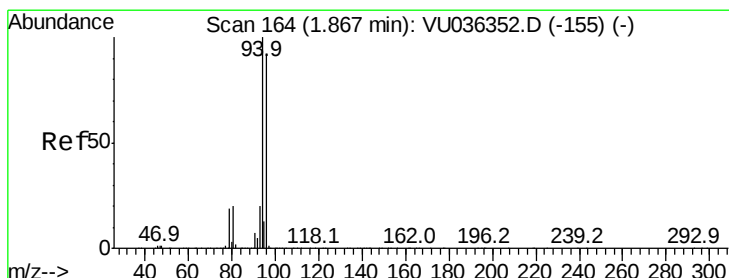
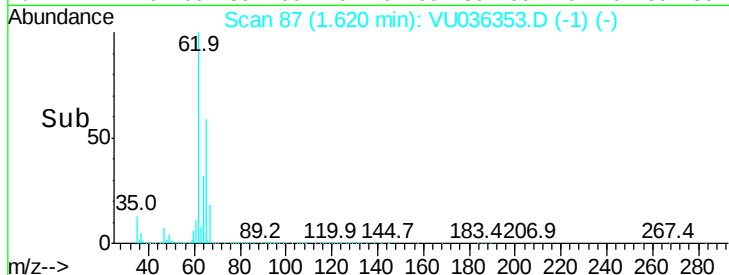
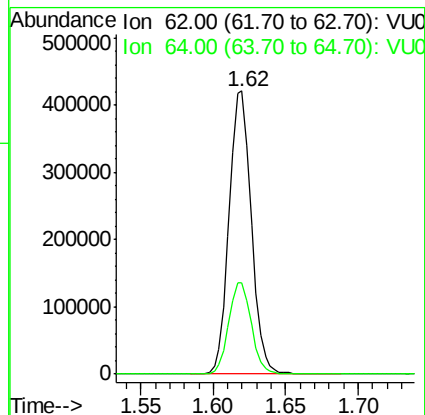
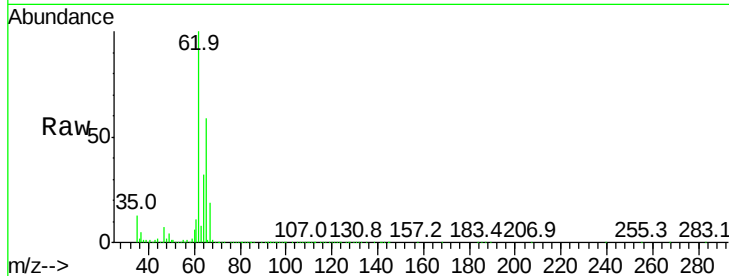
VSTD10035

Tgt Ion: 62 Resp: 448417

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.3



#6

Bromomethane

Concen: 66.714 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU036353.D

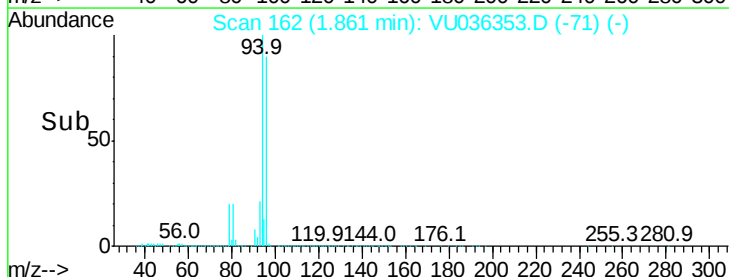
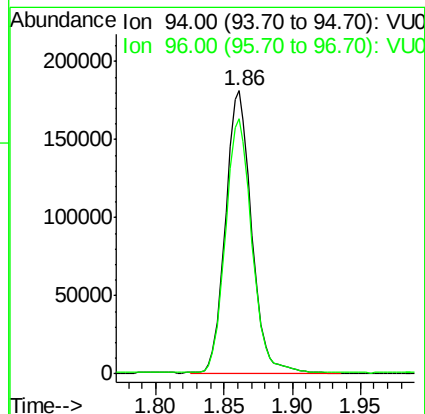
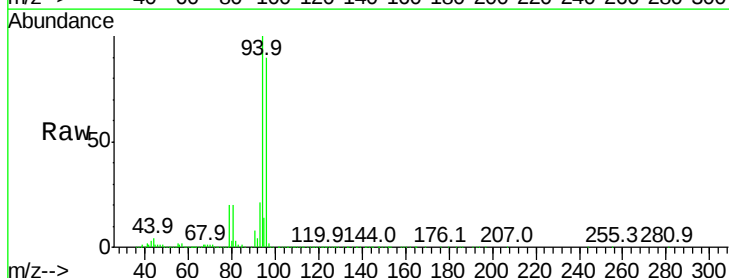
Acq: 27 Dec 2019 13:31

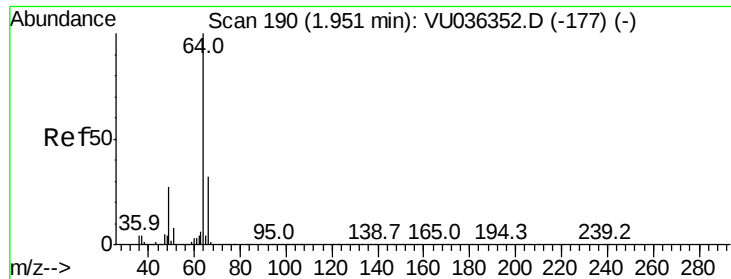
Tgt Ion: 94 Resp: 239297

Ion Ratio Lower Upper

94 100

96 90.2 64.5 119.7





#8

Chloroethane

Concen: 72.843 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.01 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

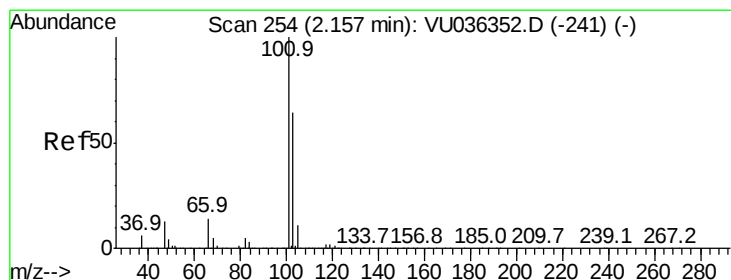
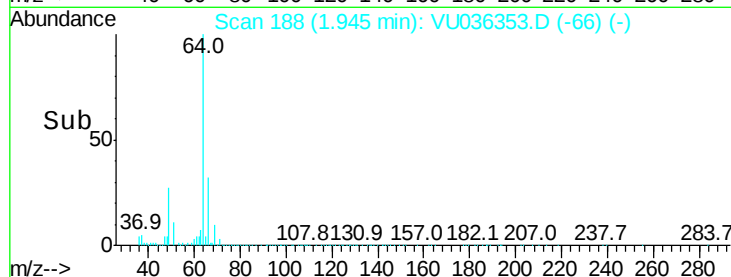
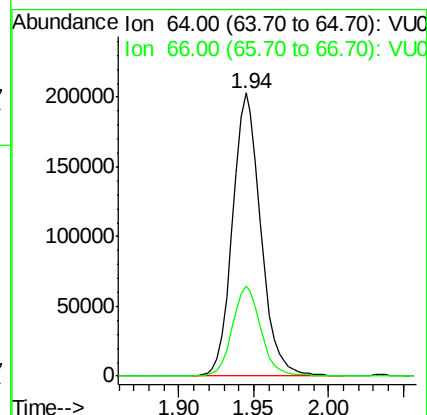
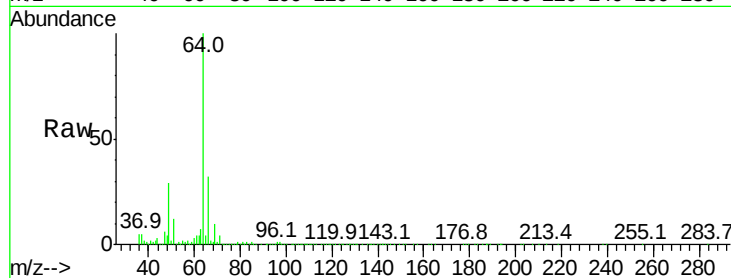
VSTD10035

Tgt Ion: 64 Resp: 263986

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 79.992 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU036353.D

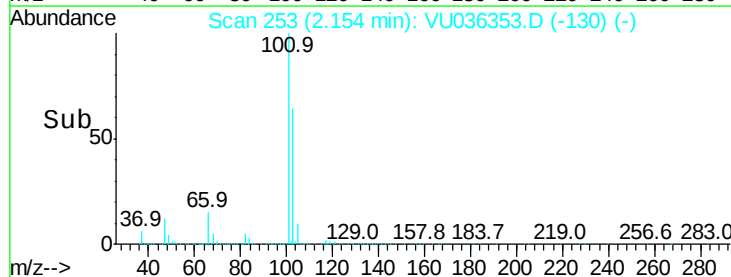
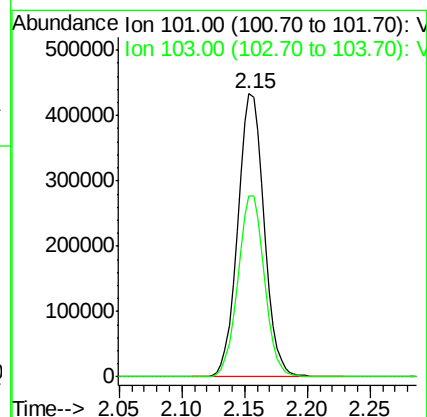
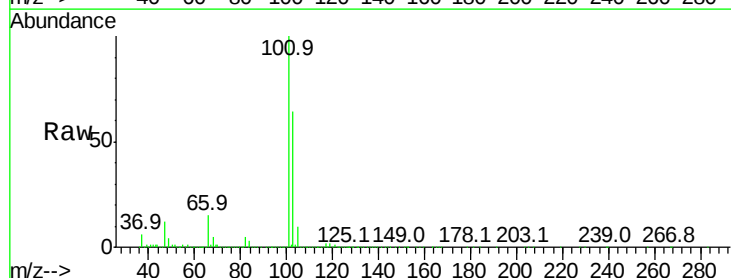
Acq: 27 Dec 2019 13:31

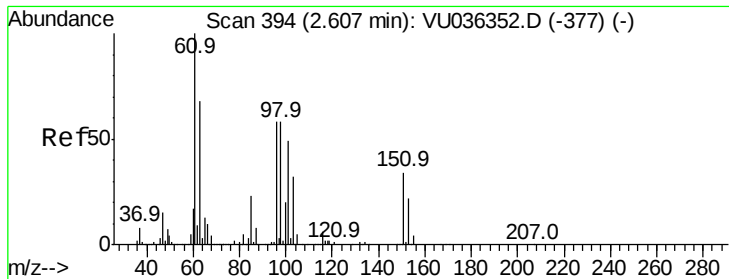
Tgt Ion: 101 Resp: 631371

Ion Ratio Lower Upper

101 100

103 64.1 51.6 77.4





#10

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

Concen: 81.596 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

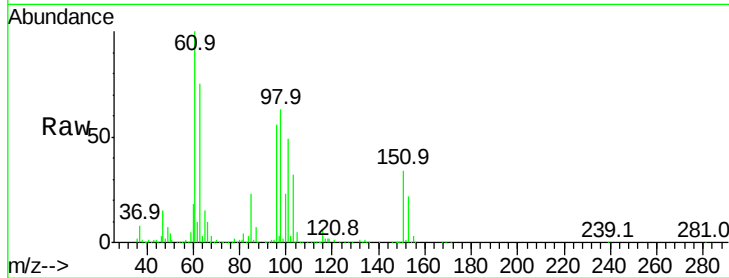
Tgt Ion:101 Resp: 308248

Ion Ratio Lower Upper

101 100

85 47.8 37.1 55.7

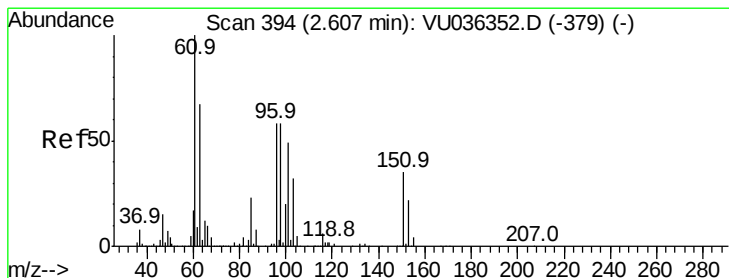
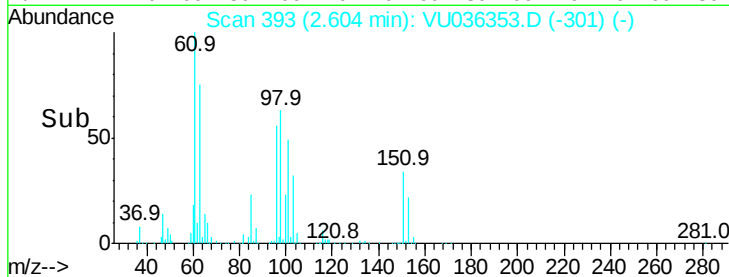
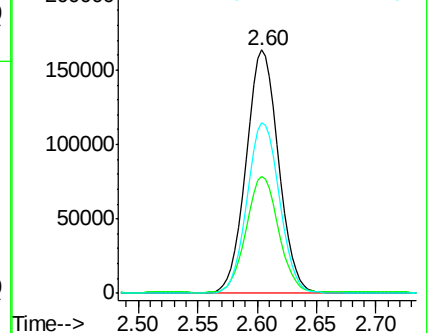
151 70.5 54.3 81.5



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: 86.251 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

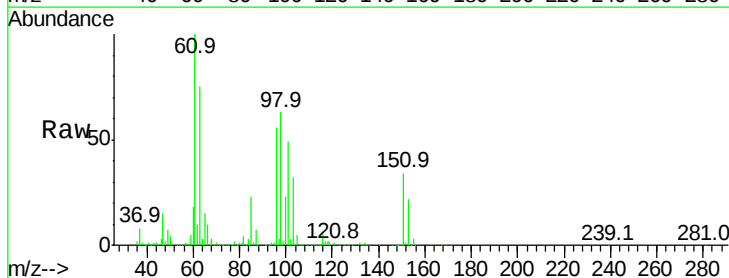
Tgt Ion: 96 Resp: 309477

Ion Ratio Lower Upper

96 100

61 178.4 120.9 224.5

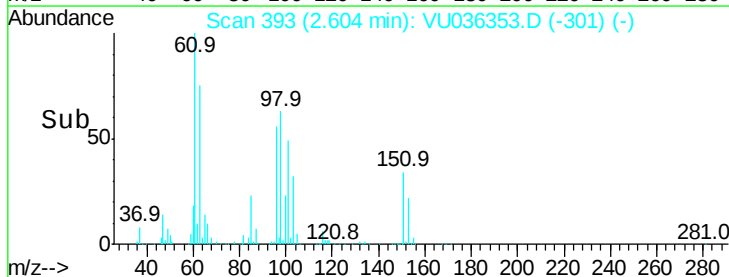
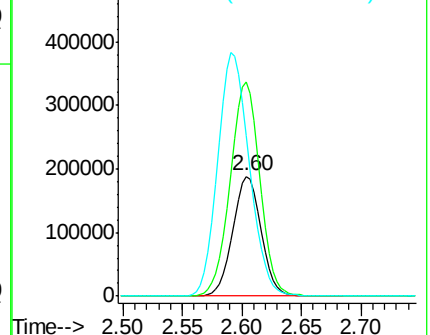
63 133.6 81.8 152.0

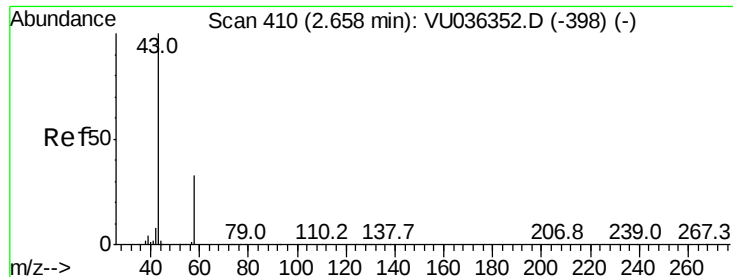


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 176.312 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

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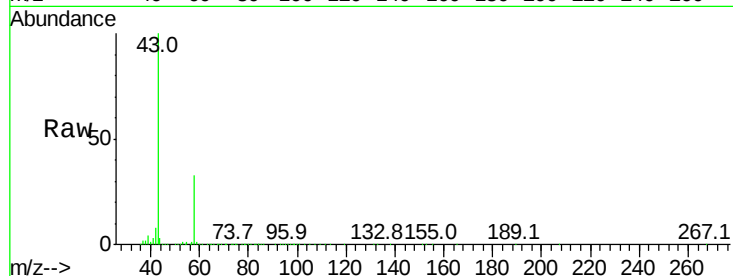
VSTD10035

Tgt Ion: 43 Resp: 591366

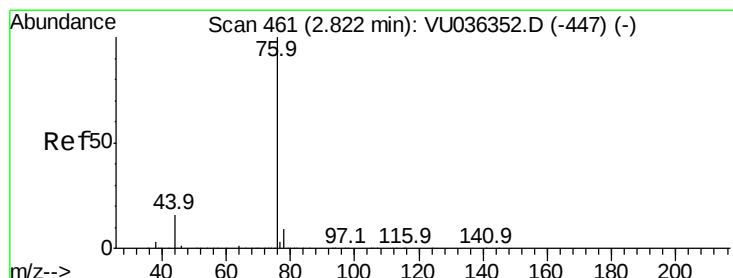
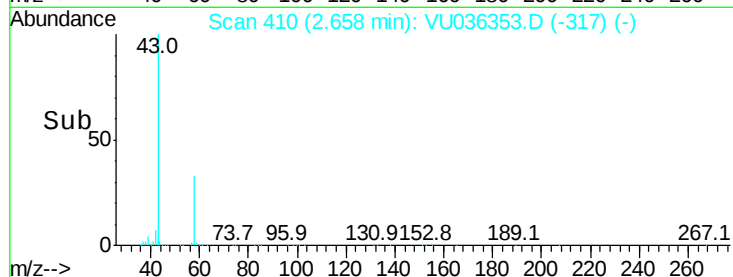
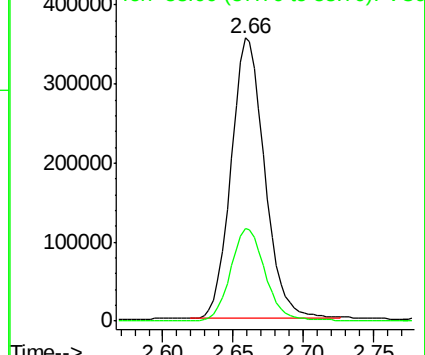
Ion Ratio Lower Upper

43 100

58 33.6 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU036353.D (-398) (-)



#14

Carbon disulfide

Concen: 84.540 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036353.D

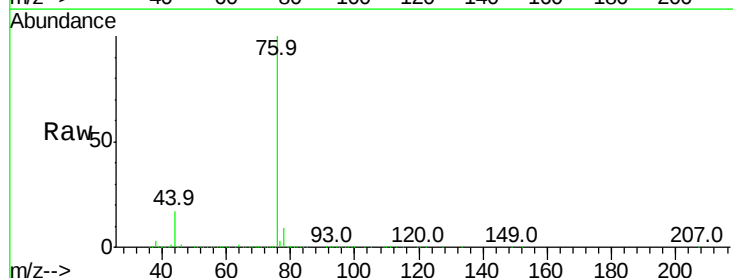
Acq: 27 Dec 2019 13:31

Tgt Ion: 76 Resp: 953720

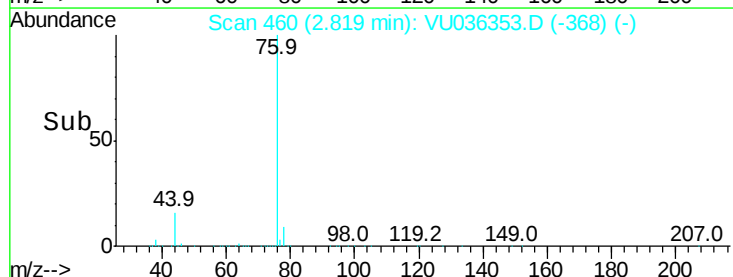
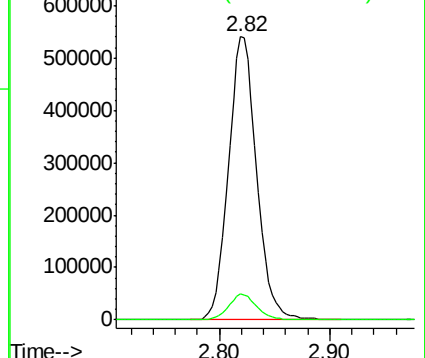
Ion Ratio Lower Upper

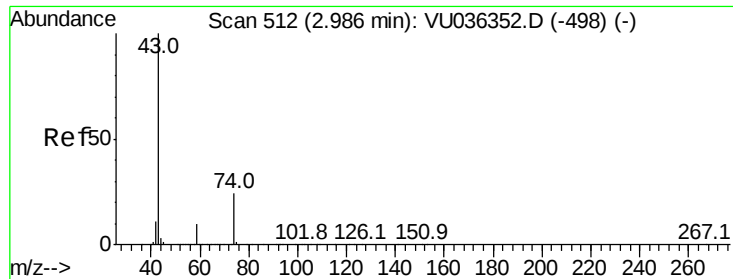
76 100

78 9.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU036353.D (-368) (-)





#15

Methyl Acetate

Concen: 99.741 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

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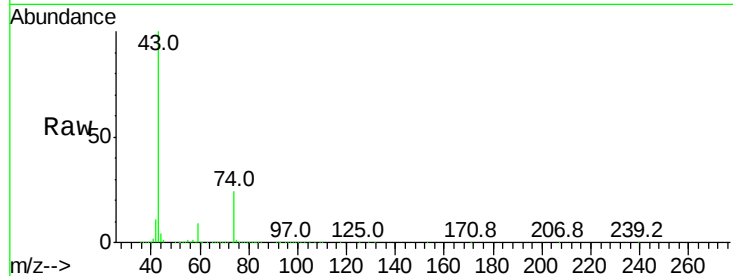
VSTD10035

Tgt Ion: 43 Resp: 445486

Ion Ratio Lower Upper

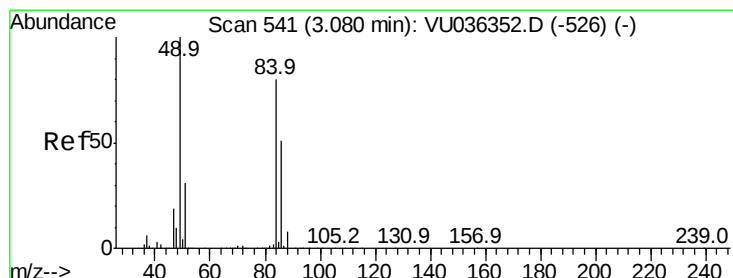
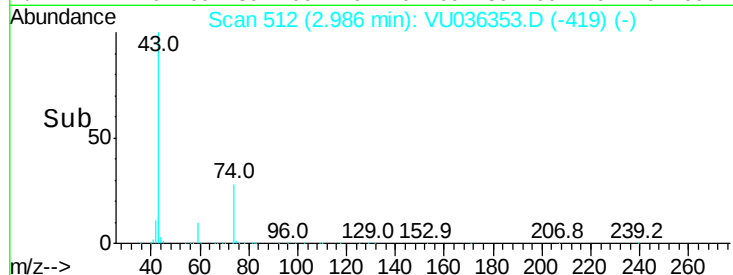
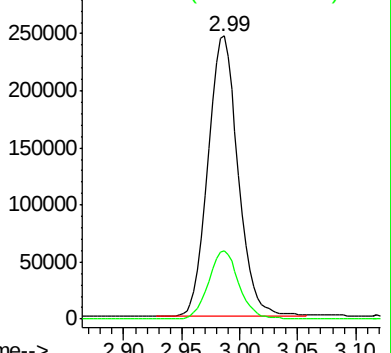
43 100

74 24.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VU036353.D (-498) (-)

Ion 74.00 (73.70 to 74.70): VU036353.D (-498) (-)



#16

Methylene chloride

Concen: 85.084 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

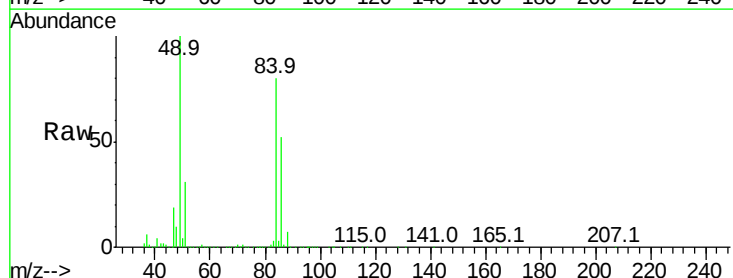
Tgt Ion: 84 Resp: 379423

Ion Ratio Lower Upper

84 100

86 65.4 44.6 82.8

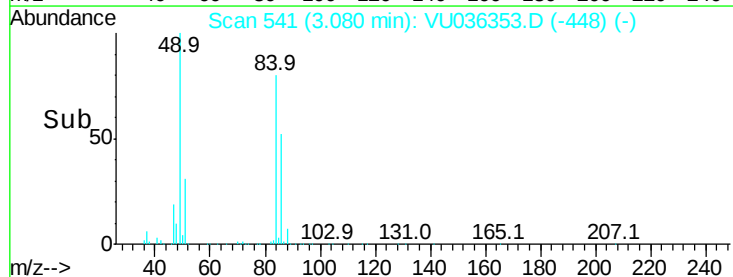
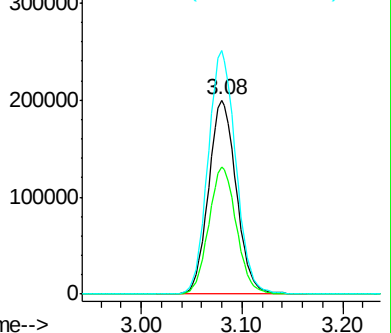
49 125.3 87.6 162.6

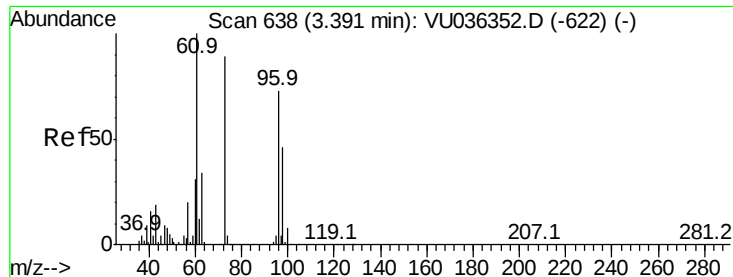


Abundance Ion 84.00 (83.70 to 84.70): VU036353.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036353.D (-448) (-)

Ion 49.00 (48.70 to 49.70): VU036353.D (-448) (-)





#17

trans-1,2-Dichloroethene

Concen: 90.103 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

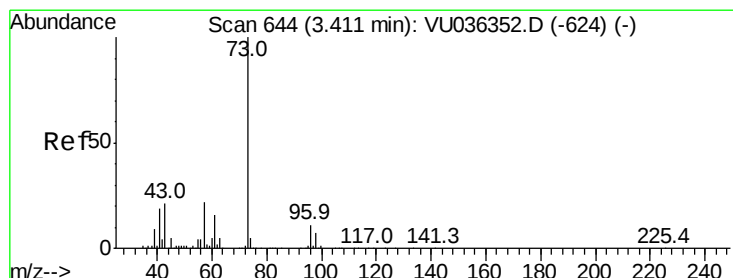
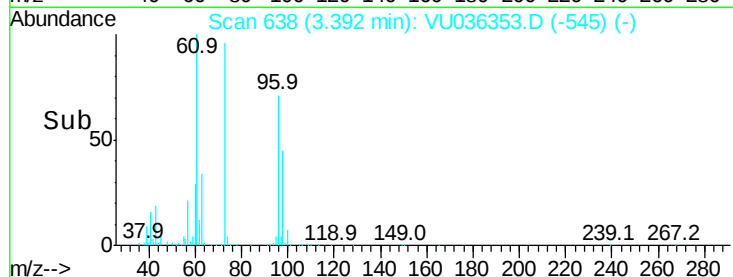
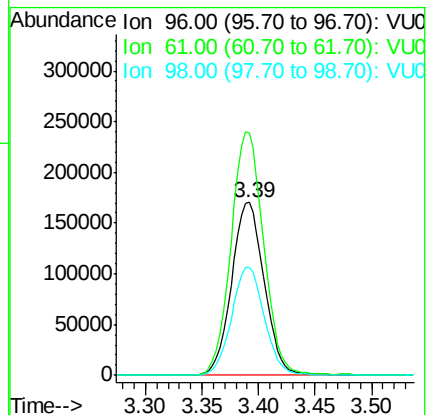
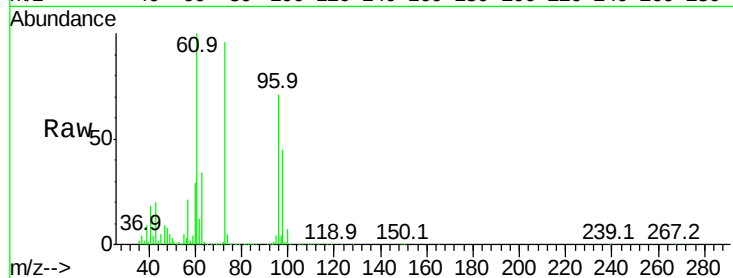
Tgt Ion: 96 Resp: 340551

Ion Ratio Lower Upper

96 100

61 140.1 96.2 178.8

98 62.6 44.2 82.2



#18

Methyl tert-butyl Ether

Concen: 108.447 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

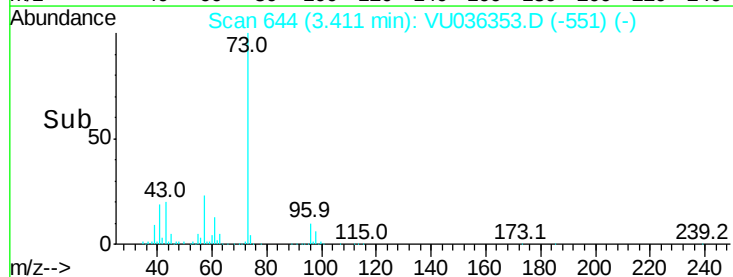
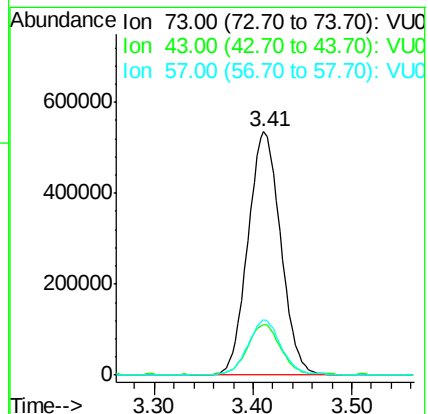
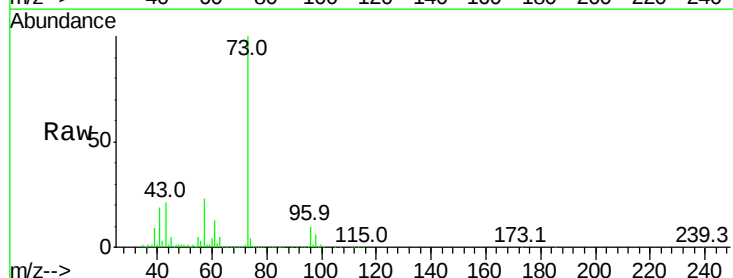
Tgt Ion: 73 Resp: 1224395

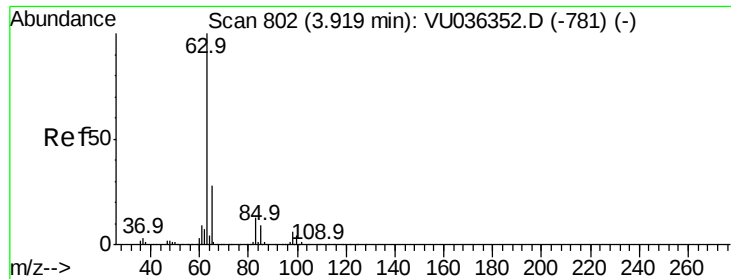
Ion Ratio Lower Upper

73 100

43 20.4 16.3 24.5

57 22.2 17.7 26.5





#19

1,1-Dichloroethane

Concen: 90.871 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

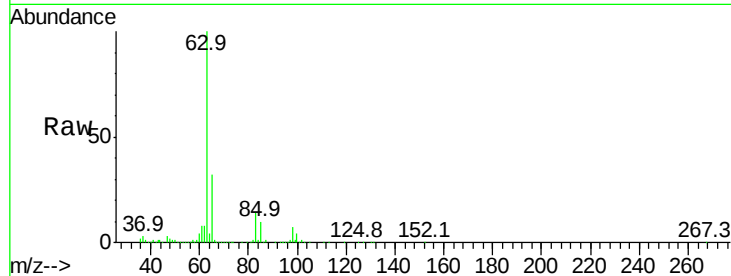
Tgt Ion: 63 Resp: 663968

Ion Ratio Lower Upper

63 100

65 31.5 20.0 37.2

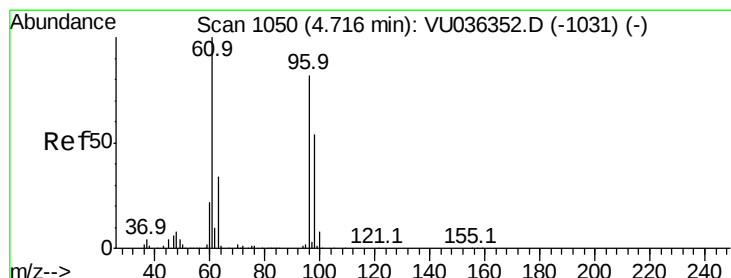
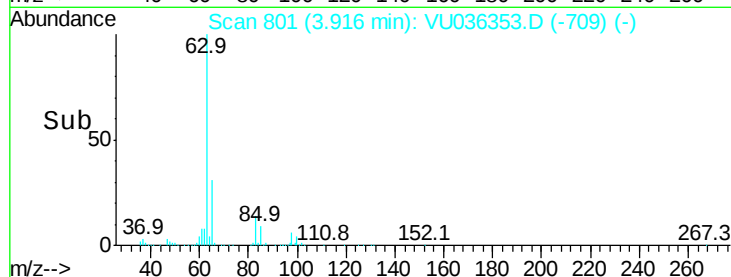
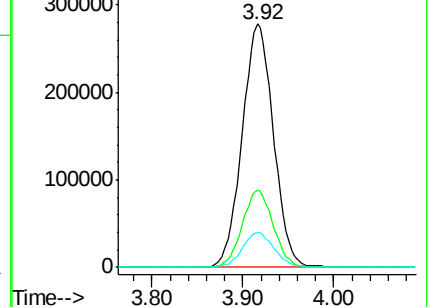
83 14.4 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 96.075 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

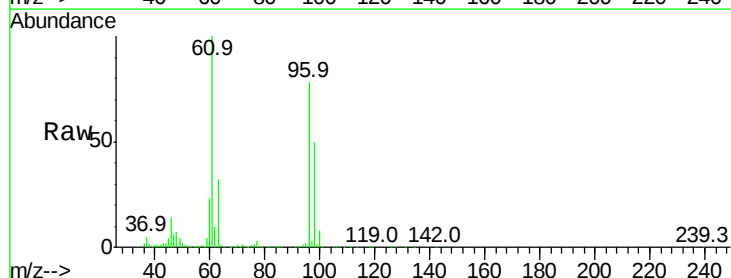
Tgt Ion: 96 Resp: 406469

Ion Ratio Lower Upper

96 100

61 127.6 85.1 158.1

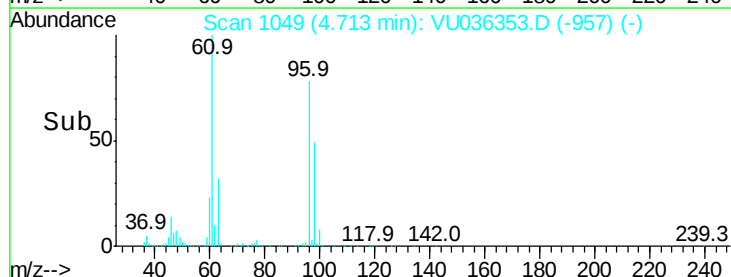
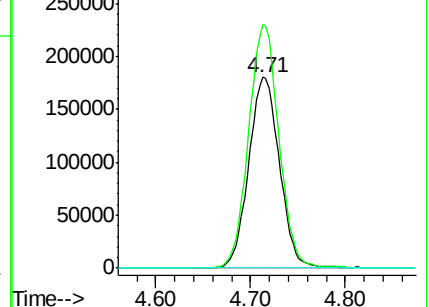
68 0.1 0.1 0.3#

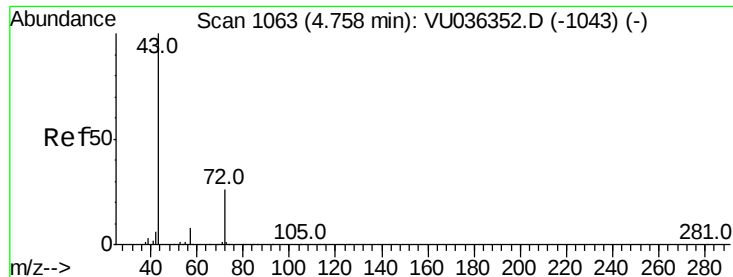


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 214.736 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

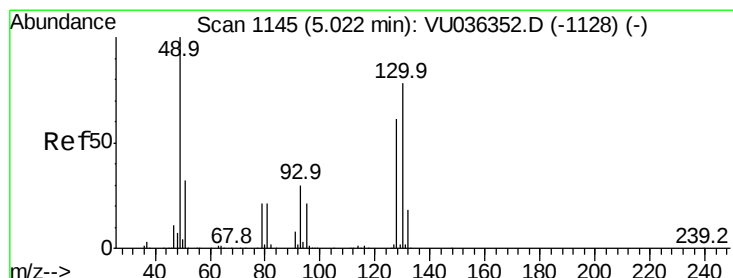
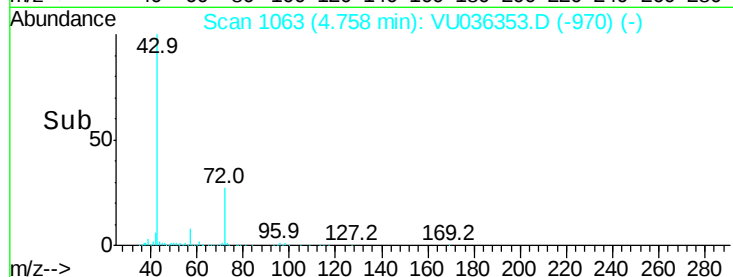
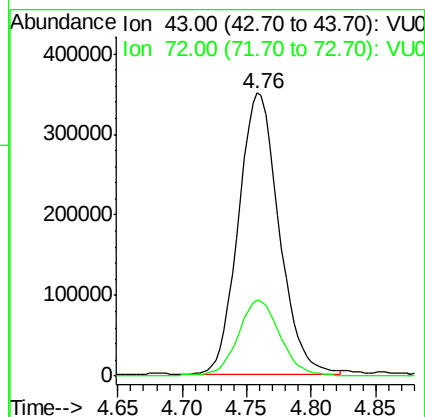
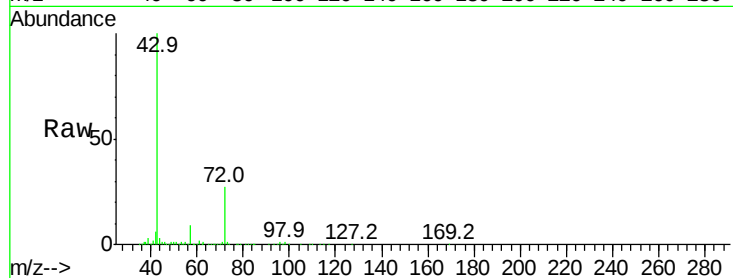
VSTD10035

Tgt Ion: 43 Resp: 761235

Ion Ratio Lower Upper

43 100

72 27.6 13.4 40.1



#23

Bromochloromethane

Concen: 85.975 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Tgt Ion: 128 Resp: 201257

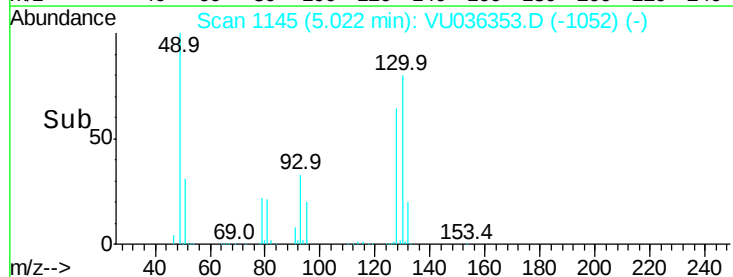
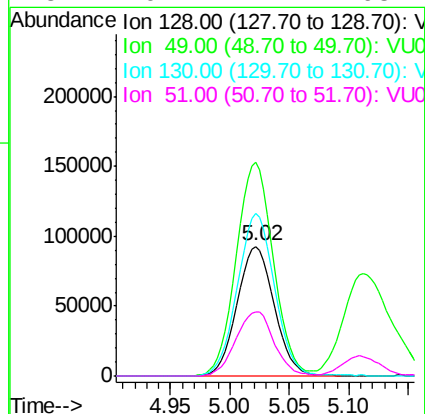
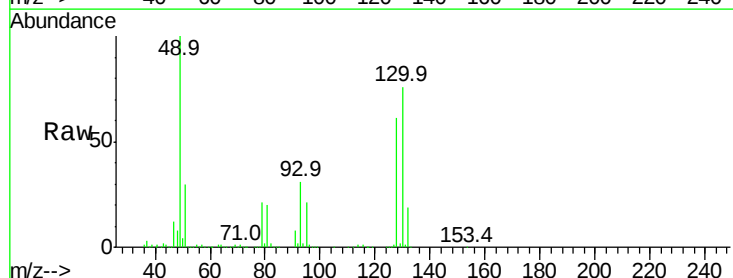
Ion Ratio Lower Upper

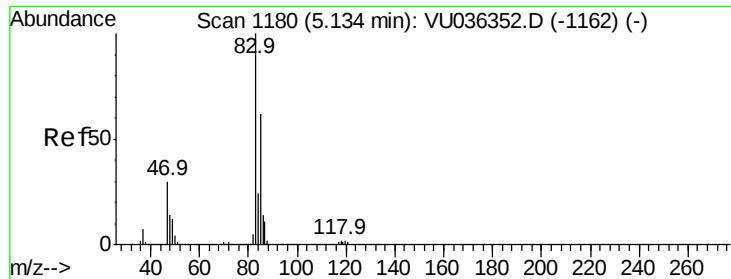
128 100

49 164.6 115.0 213.6

130 124.9 89.1 165.5

51 49.7 42.2 63.4





#25

Chloroform

Concen: 89.646 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

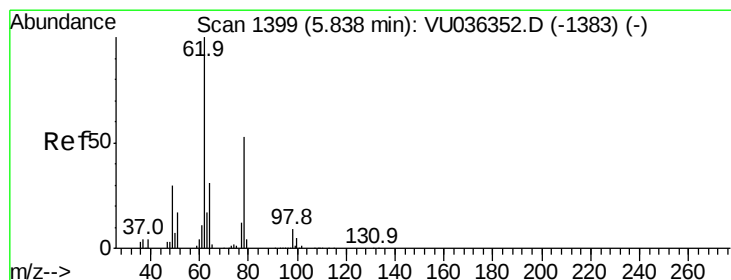
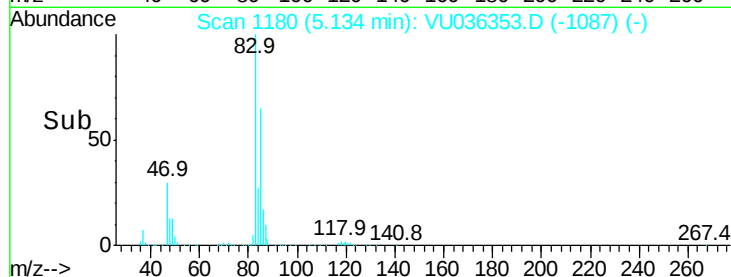
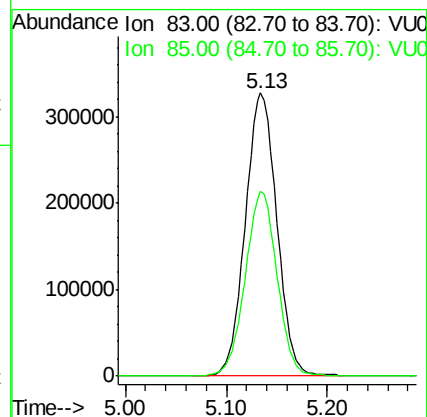
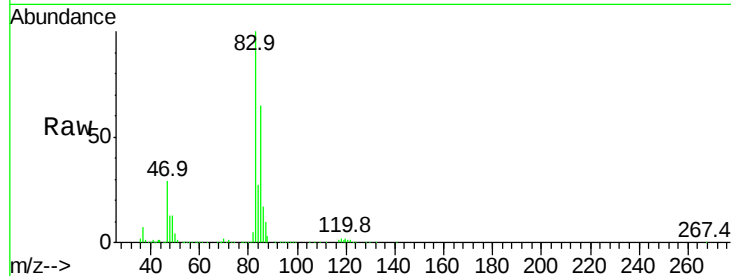
VSTD10035

Tgt Ion: 83 Resp: 704890

Ion Ratio Lower Upper

83 100

85 65.4 43.9 81.5



#27

1,2-Dichloroethane

Concen: 92.061 ug/L

RT: 5.84 min Scan# 1399

Delta R.T. 0.00 min

Lab File: VU036353.D

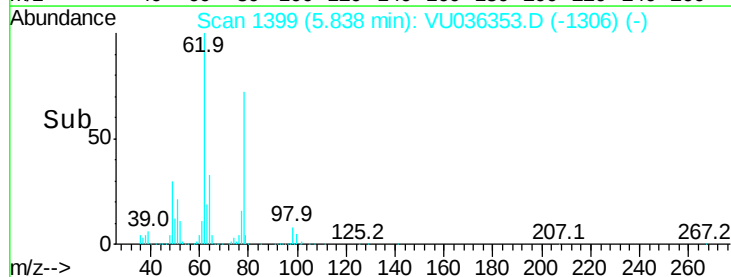
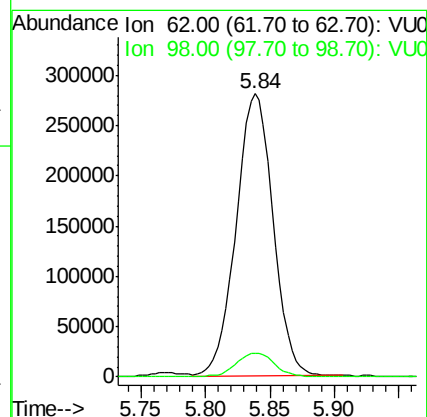
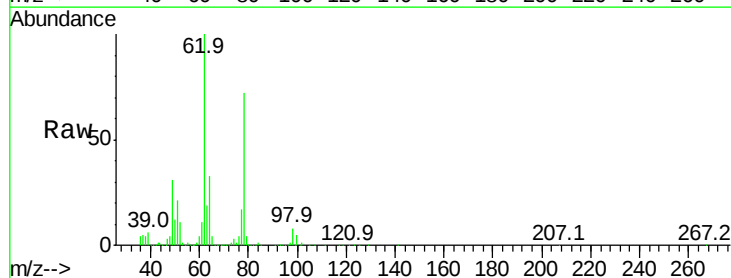
Acq: 27 Dec 2019 13:31

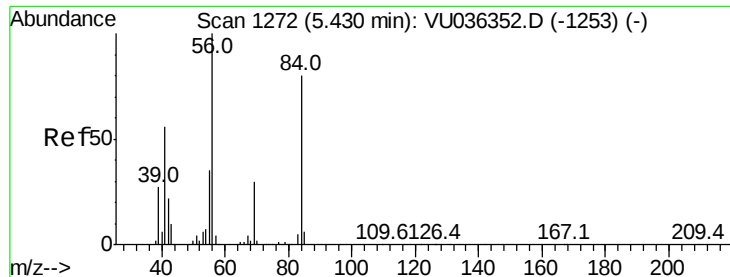
Tgt Ion: 62 Resp: 560840

Ion Ratio Lower Upper

62 100

98 8.5 7.3 10.9

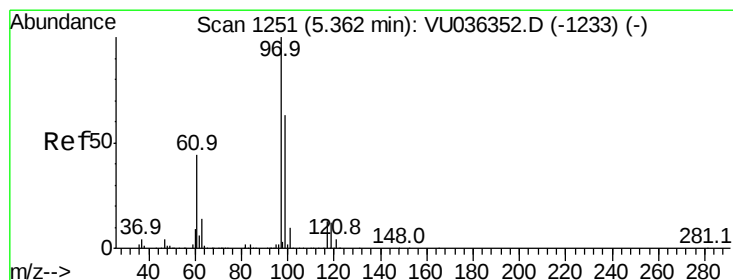
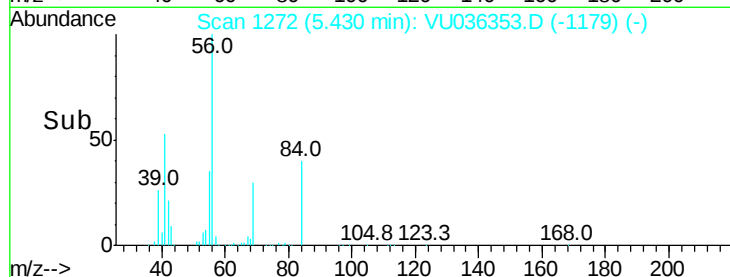
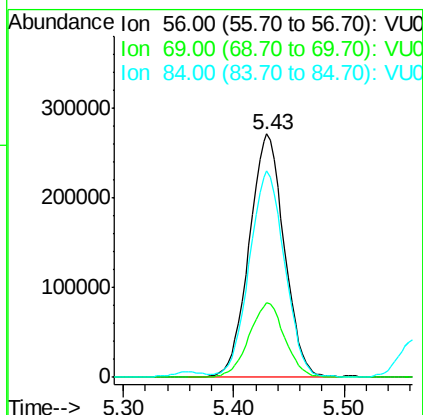
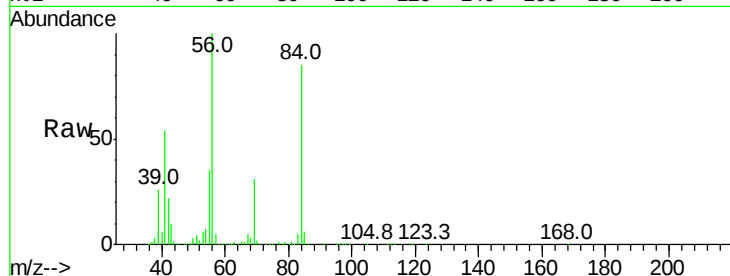




#29
Cyclohexane
Concen: 116.231 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036353.D
Acq: 27 Dec 2019 13:31

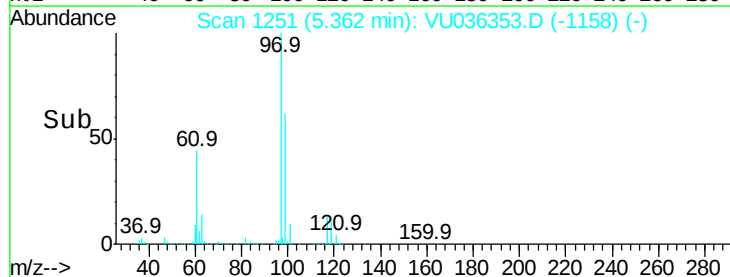
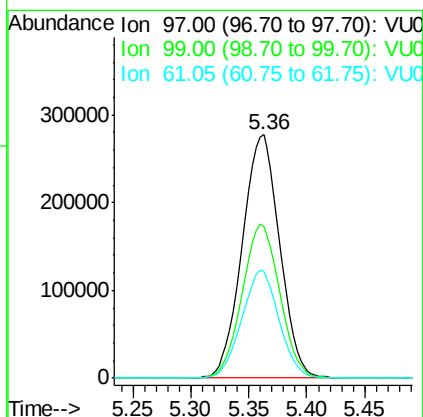
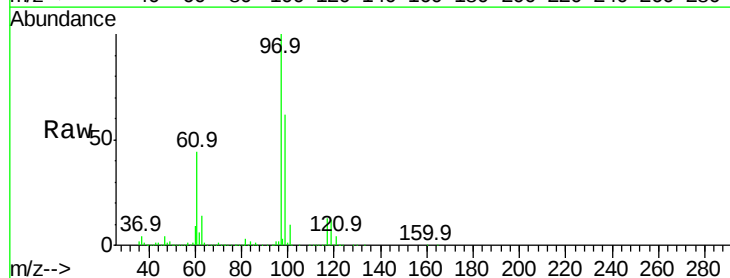
Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

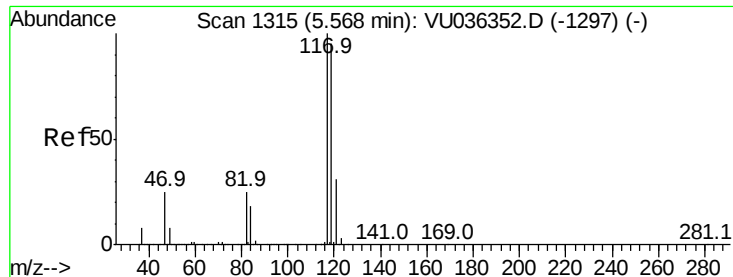
Tgt Ion: 56 Resp: 594825
Ion Ratio Lower Upper
56 100
69 30.6 24.8 37.2
84 85.7 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 104.379 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036353.D
Acq: 27 Dec 2019 13:31

Tgt Ion: 97 Resp: 621294
Ion Ratio Lower Upper
97 100
99 63.5 51.0 76.4
61 44.2 34.7 52.1





#31

Carbon tetrachloride

Concen: 102.121 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

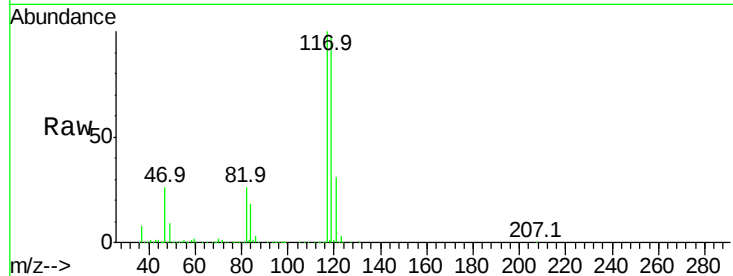
VSTD10035

Tgt Ion:117 Resp: 542714

Ion Ratio Lower Upper

117 100

119 96.4 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.57

250000

200000

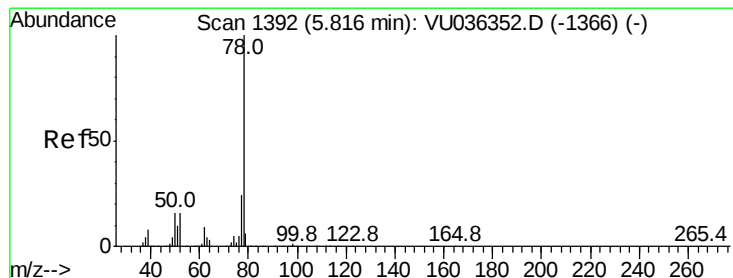
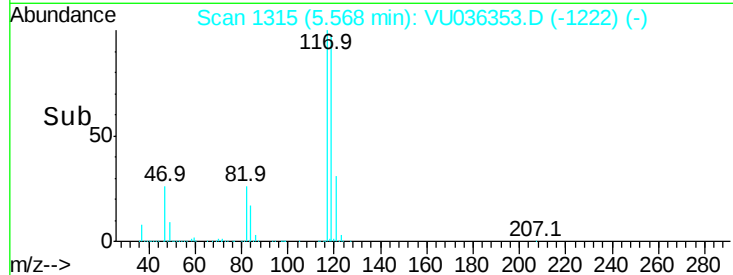
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 101.584 ug/L

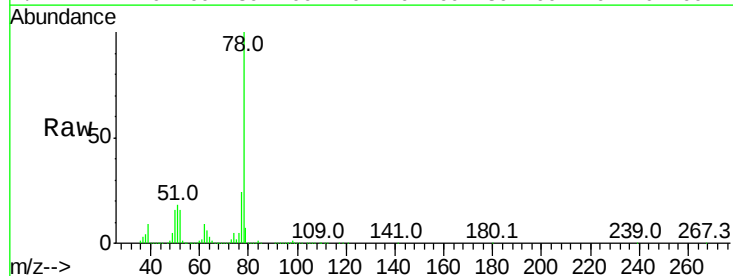
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Tgt Ion: 78 Resp: 1527534



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.82

800000

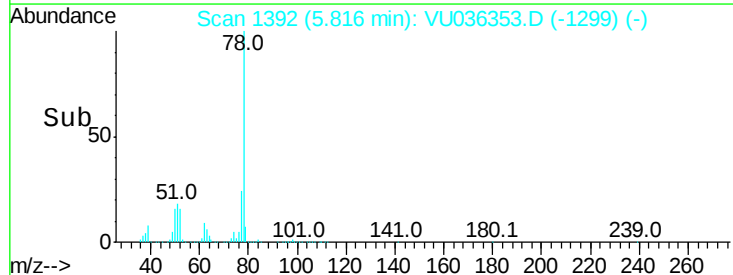
600000

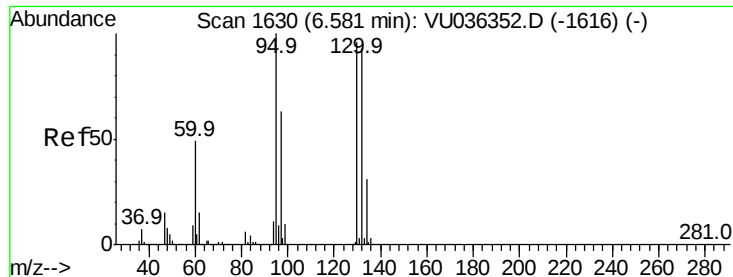
400000

200000

0

Time-->





#34

Trichloroethene

Concen: 103.230 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

Tgt Ion: 95 Resp: 395516

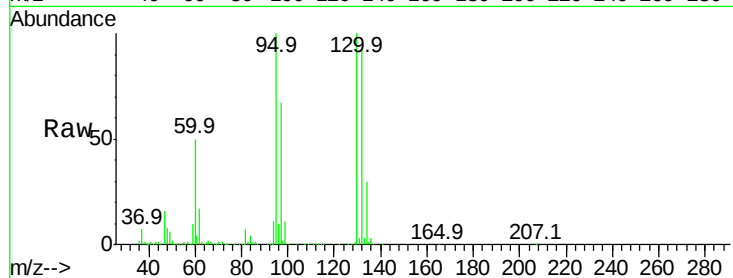
Ion Ratio Lower Upper

95 100

97 66.6 44.5 82.7

132 92.9 64.5 119.9

130 100.0 66.6 123.8

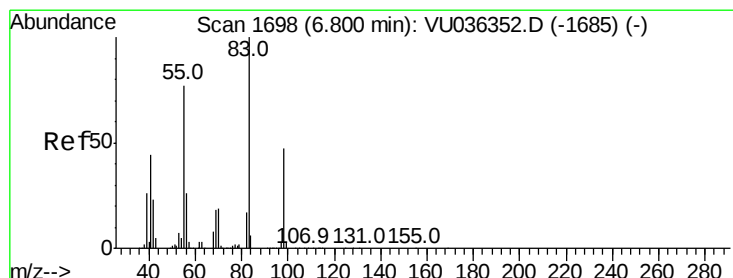
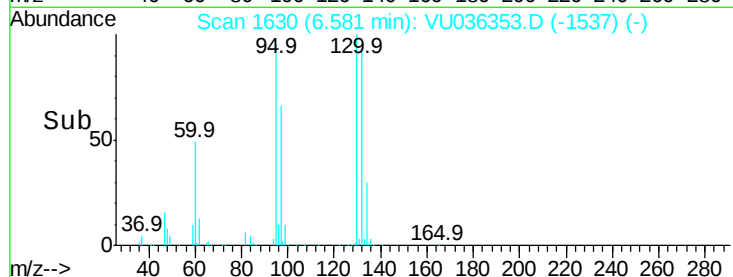
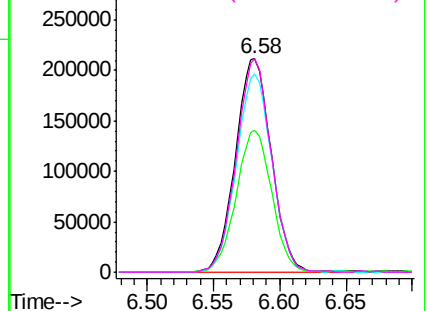


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 109.861 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

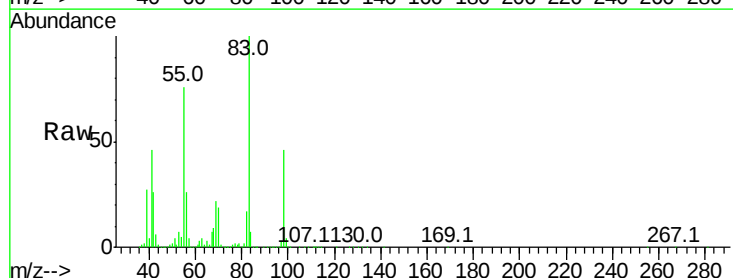
Tgt Ion: 83 Resp: 609658

Ion Ratio Lower Upper

83 100

55 76.1 60.0 90.0

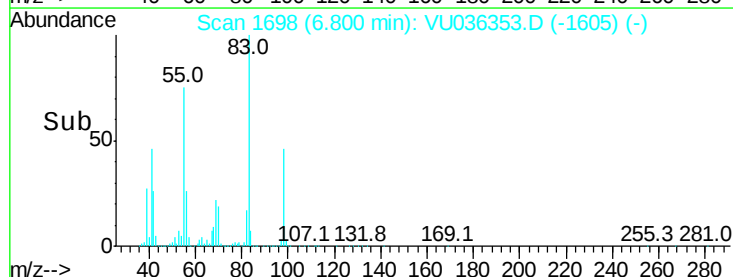
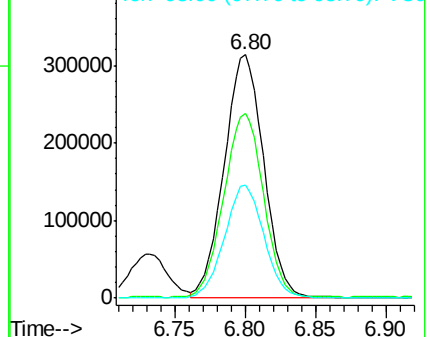
98 46.2 36.2 54.4

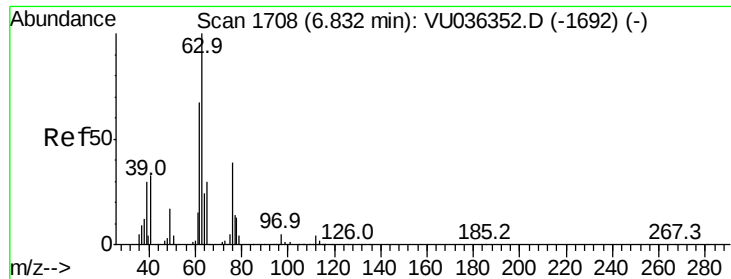


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

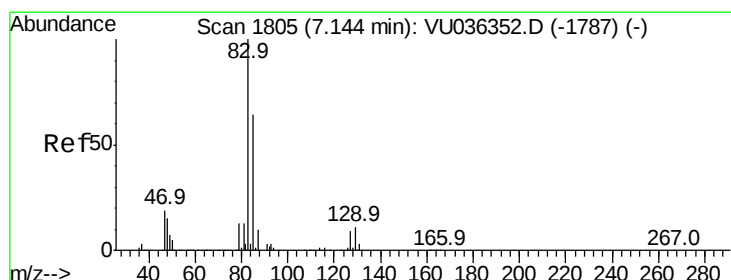
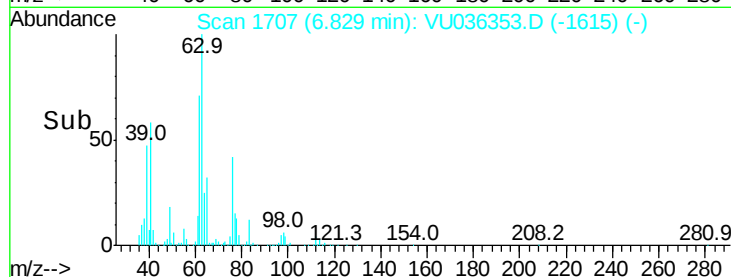
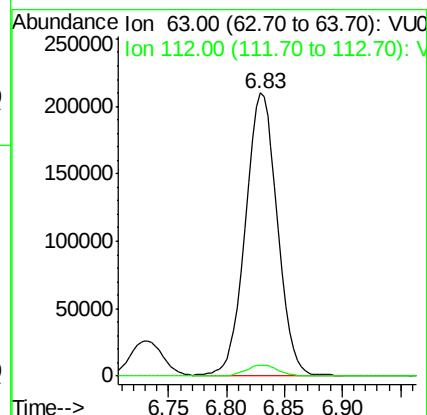
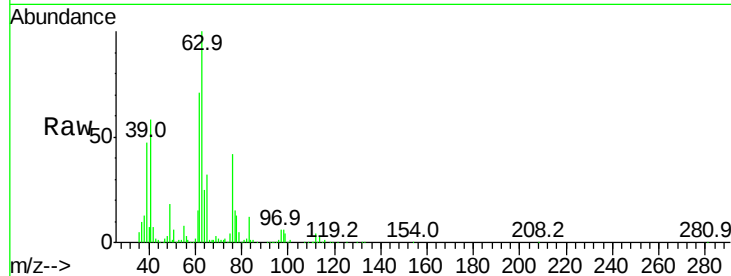




#37
 1,2-Dichloropropane
 Concen: 102.255 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036353.D
 Acq: 27 Dec 2019 13:31

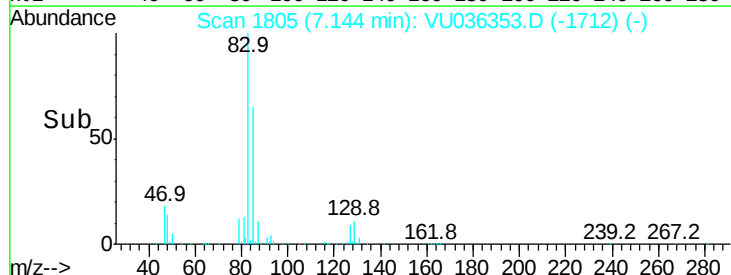
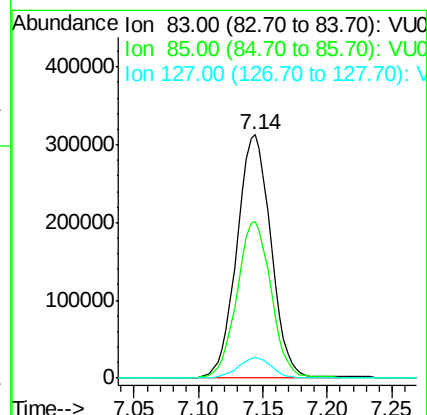
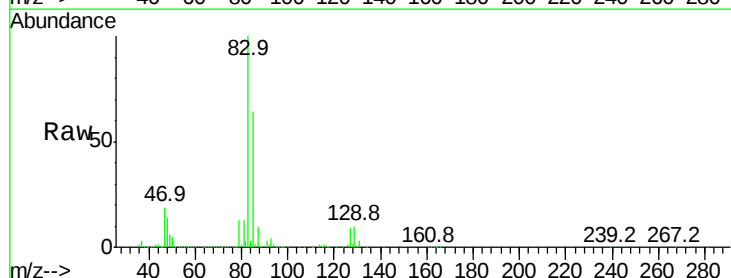
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

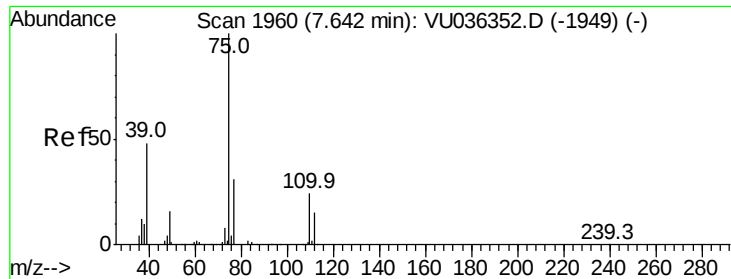
Tgt Ion: 63 Resp: 400426
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#38
 Bromodichloromethane
 Concen: 108.585 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036353.D
 Acq: 27 Dec 2019 13:31

Tgt Ion: 83 Resp: 573246
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.3 84.1
 127 8.6 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 118.387 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. 0.00 min

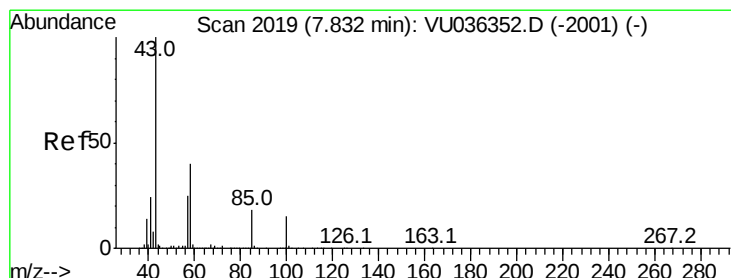
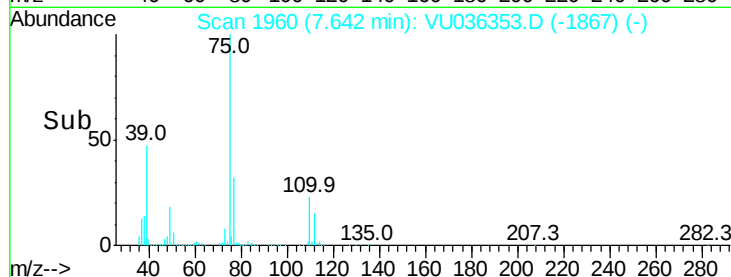
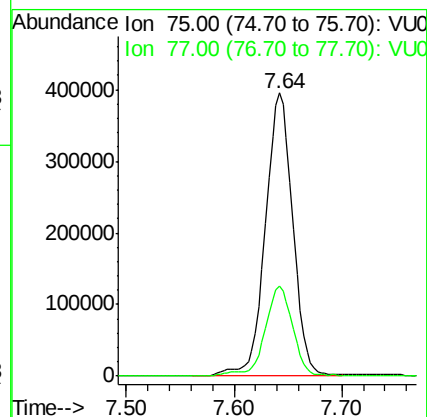
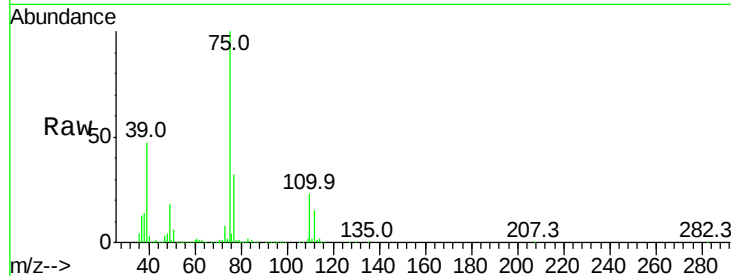
Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

Tgt Ion: 75 Resp: 698040

Ion	Ratio	Lower	Upper
75	100		
77	31.7	22.2	41.2



#40

4-Methyl-2-pentanone

Concen: 273.307 ug/L

RT: 7.83 min Scan# 2019

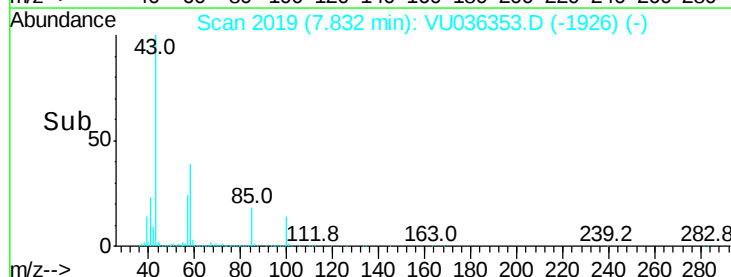
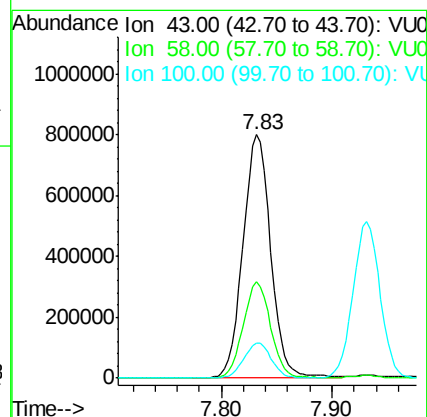
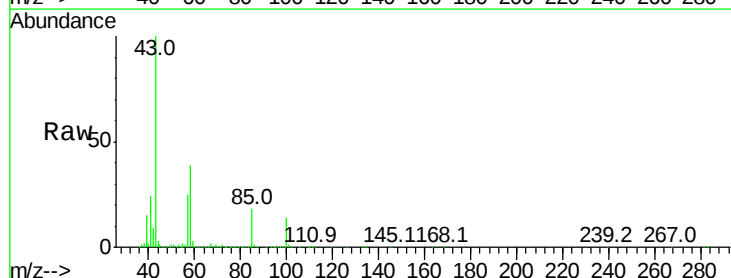
Delta R.T. 0.00 min

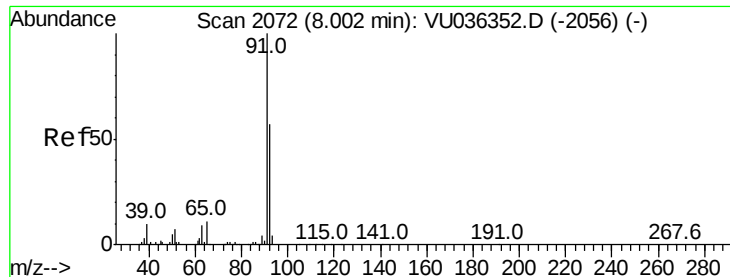
Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Tgt Ion: 43 Resp: 1382366

Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.6	47.4
100	14.5	11.6	17.4





#42

Toluene

Concen: 105.665 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

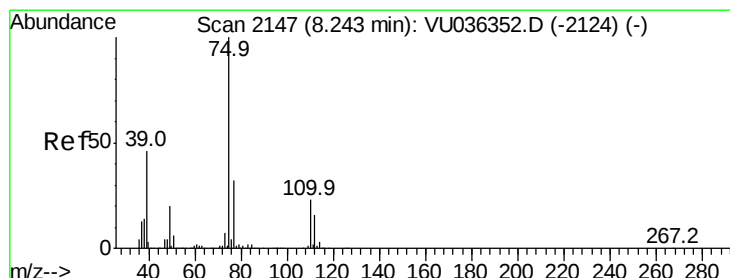
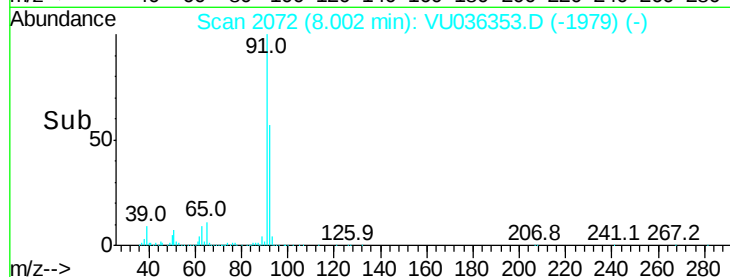
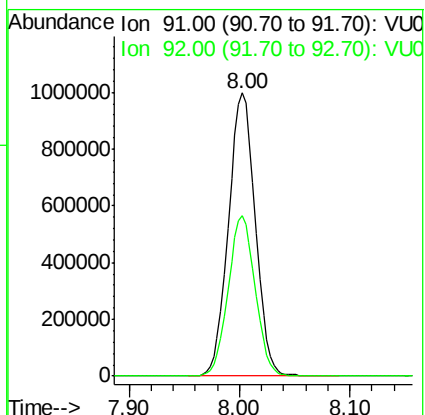
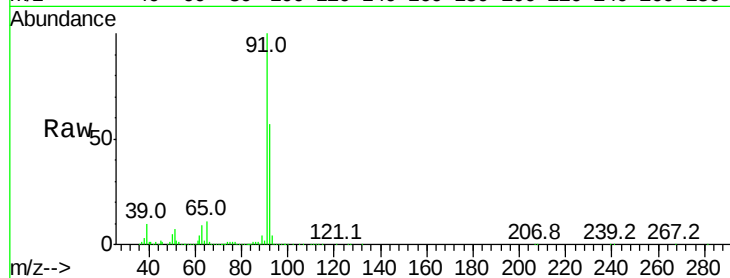
Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

Tgt Ion: 91 Resp: 1686050

Ion Ratio Lower Upper

91 100

92 56.6 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 116.464 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036353.D

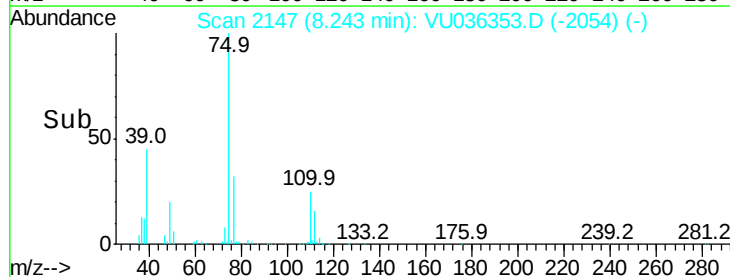
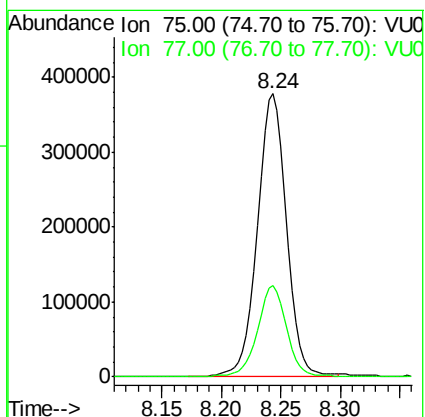
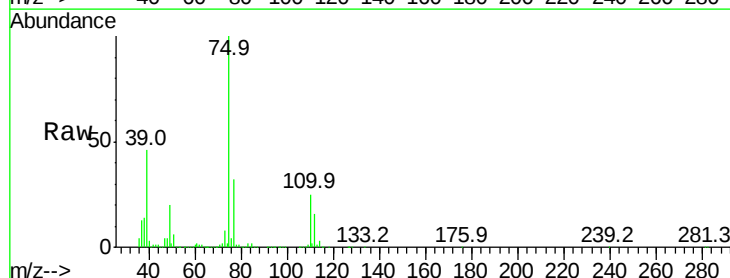
Acq: 27 Dec 2019 13:31

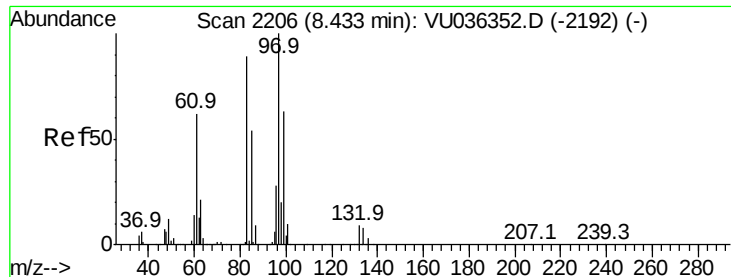
Tgt Ion: 75 Resp: 641290

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 101.416 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

Tgt Ion: 97 Resp: 397442

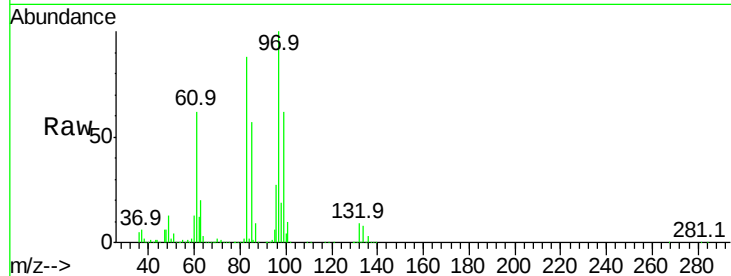
Ion Ratio Lower Upper

97 100

99 62.0 44.2 82.2

83 88.2 62.5 116.1

85 57.1 38.1 70.7

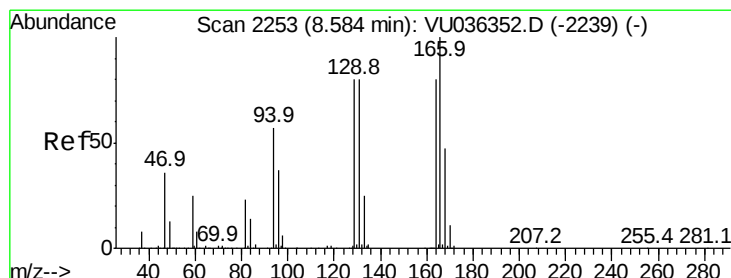
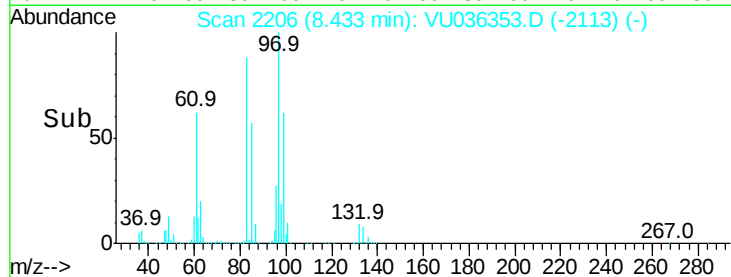
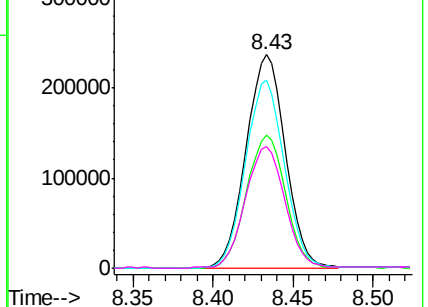


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 84.003 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Tgt Ion: 164 Resp: 277290

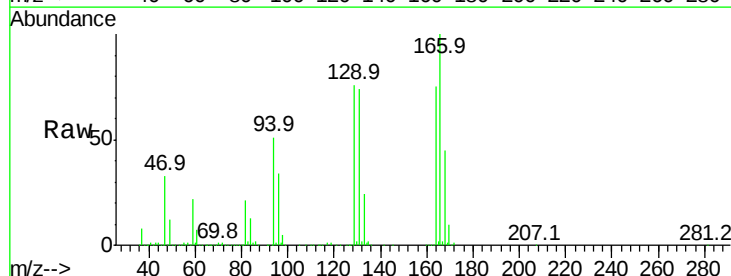
Ion Ratio Lower Upper

164 100

129 101.8 70.0 130.0

131 98.0 70.1 130.1

166 133.2 87.2 161.9

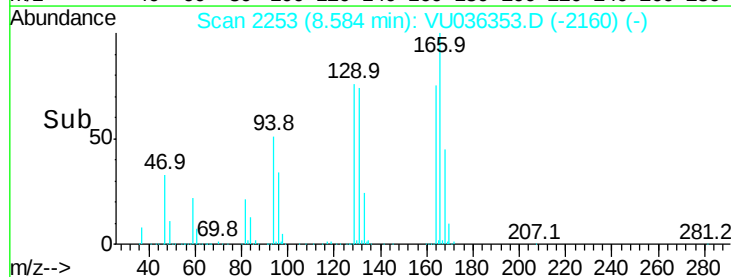
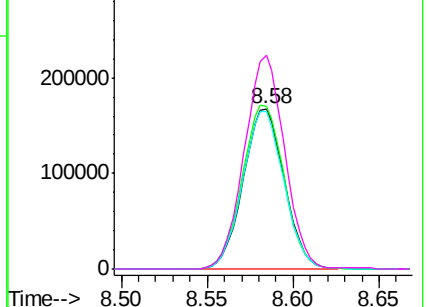


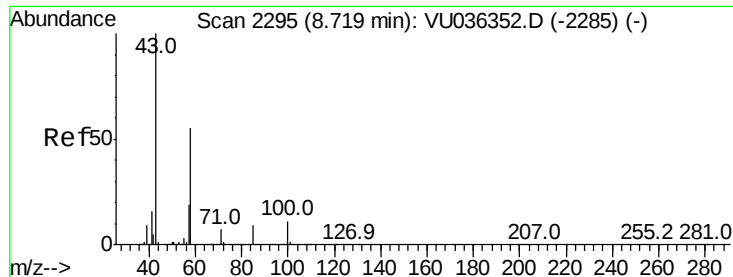
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

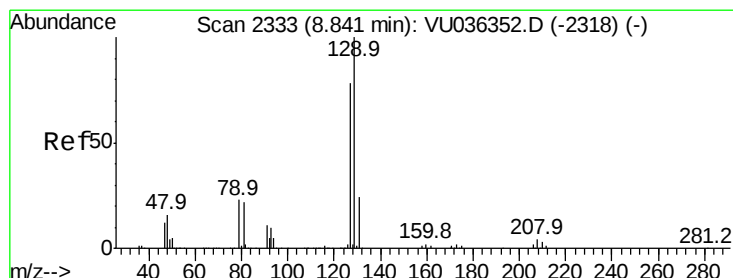
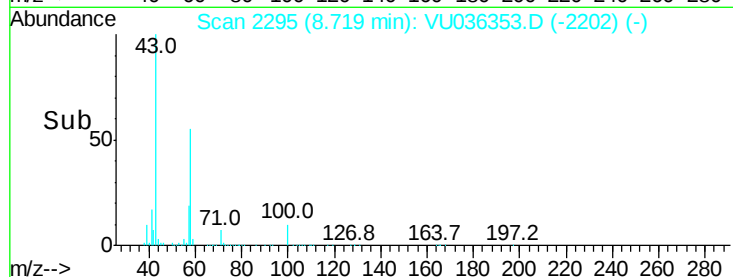
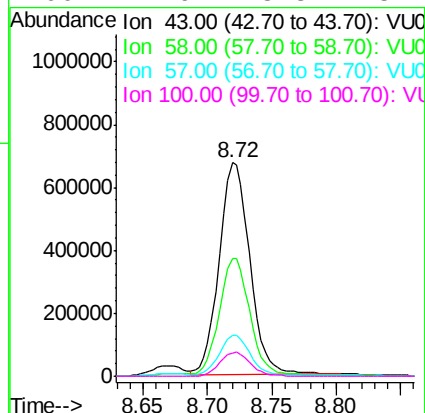
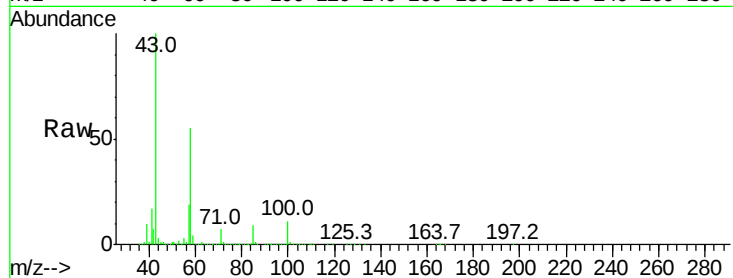




#48
2-Hexanone
Concen: 263.945 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036353.D
Acq: 27 Dec 2019 13:31

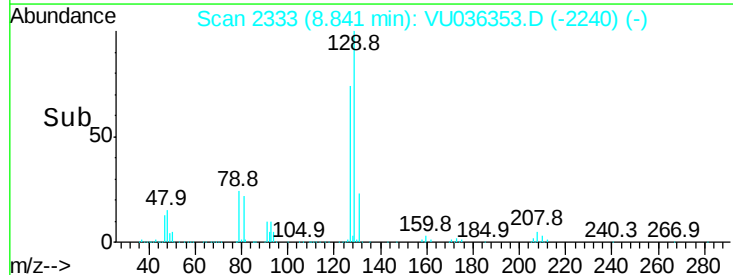
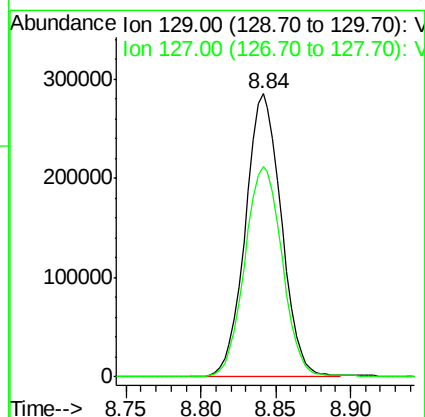
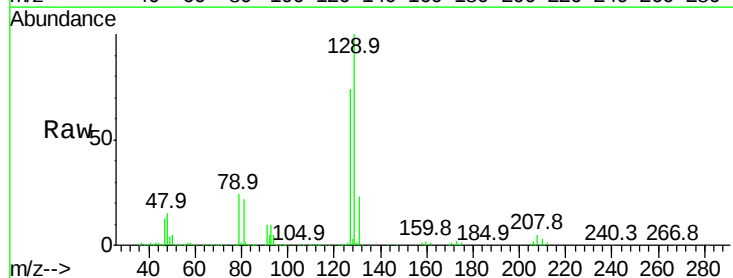
Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

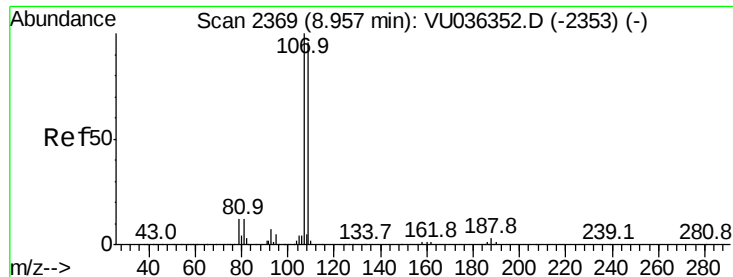
Tgt Ion: 43 Resp: 1113875
Ion Ratio Lower Upper
43 100
58 53.9 42.2 63.4
57 18.3 14.8 22.2
100 11.6 8.8 13.2



#49
Dibromochloromethane
Concen: 105.684 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036353.D
Acq: 27 Dec 2019 13:31

Tgt Ion: 129 Resp: 477498
Ion Ratio Lower Upper
129 100
127 74.3 54.8 101.8

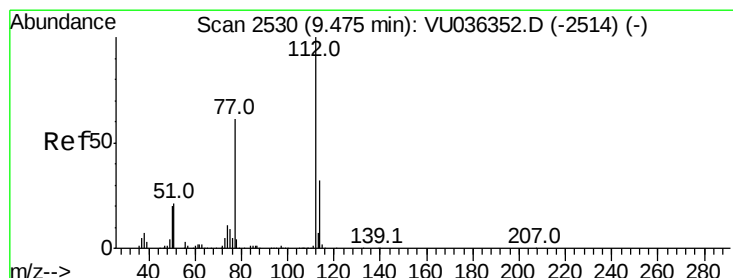
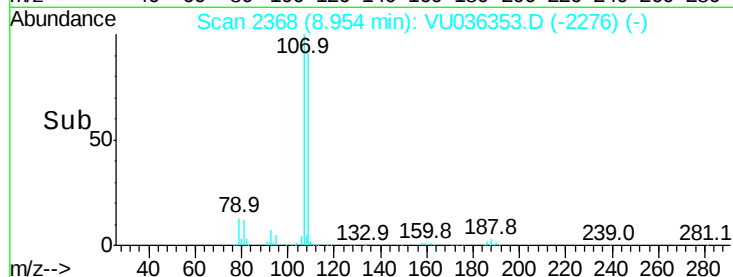
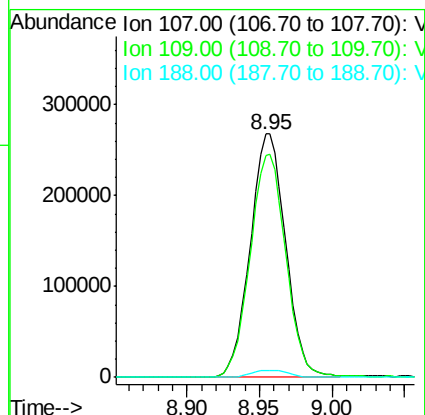
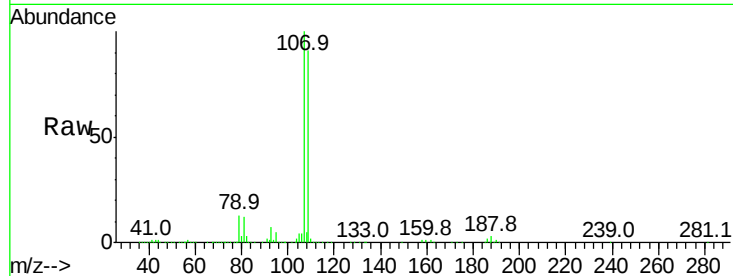




#50
 1,2-Dibromoethane
 Concen: 107.821 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036353.D
 Acq: 27 Dec 2019 13:31

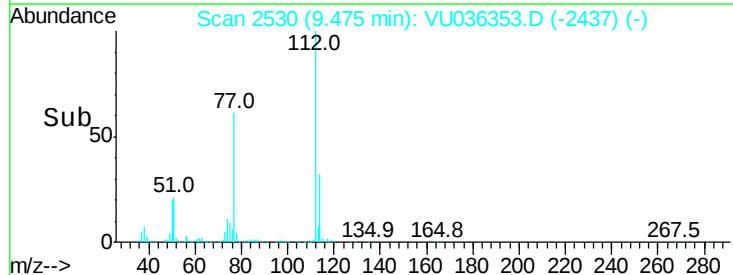
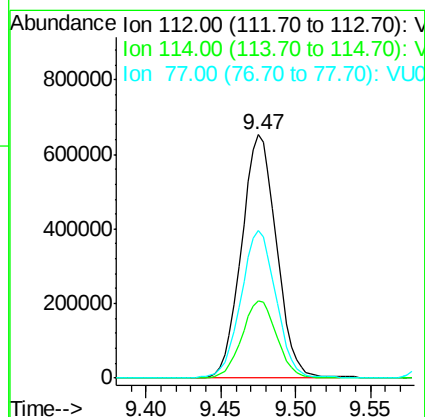
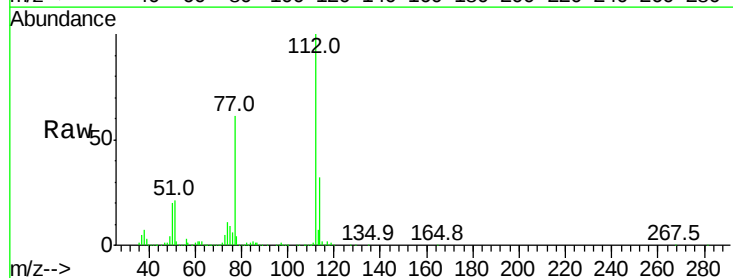
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

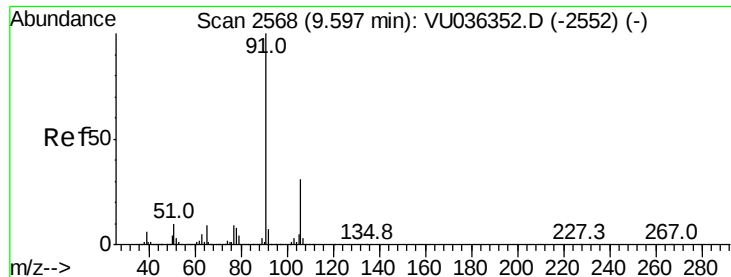
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.4	67.3	124.9
188	3.0	2.6	3.8



#51
 Chlorobenzene
 Concen: 99.162 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036353.D
 Acq: 27 Dec 2019 13:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.5	41.7
77	60.5	48.7	73.1





#52

Ethylbenzene

Concen: 112.843 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

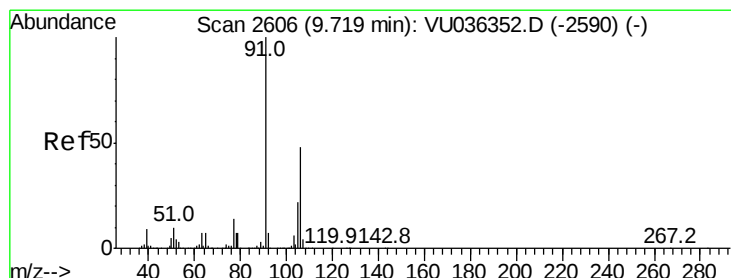
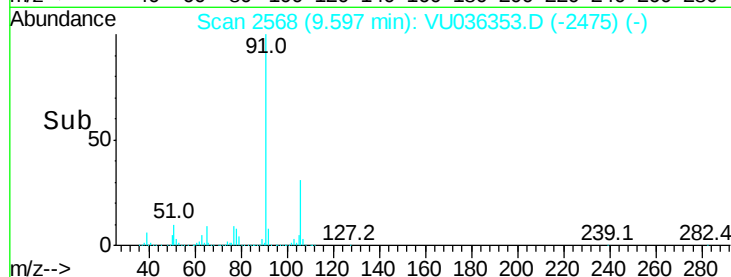
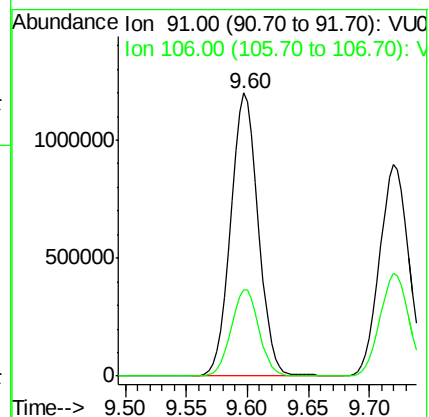
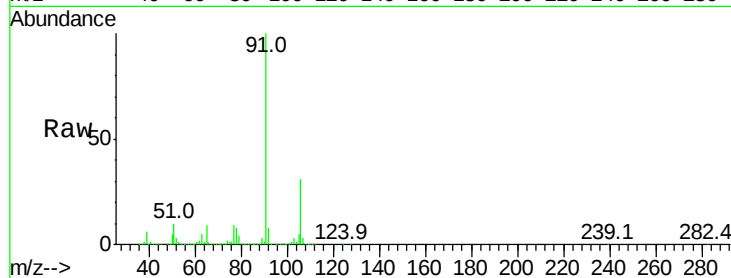
VSTD10035

Tgt Ion: 91 Resp: 1901020

Ion Ratio Lower Upper

91 100

106 30.7 22.0 40.8



#53

m,p-Xylene

Concen: 108.923 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036353.D

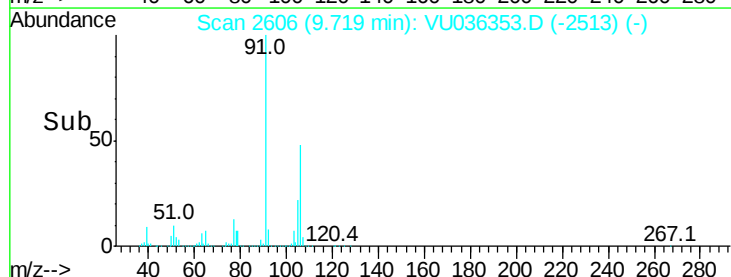
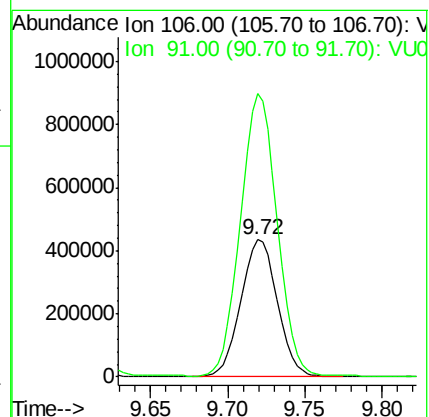
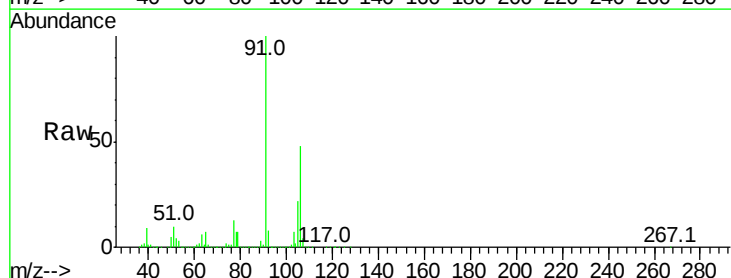
Acq: 27 Dec 2019 13:31

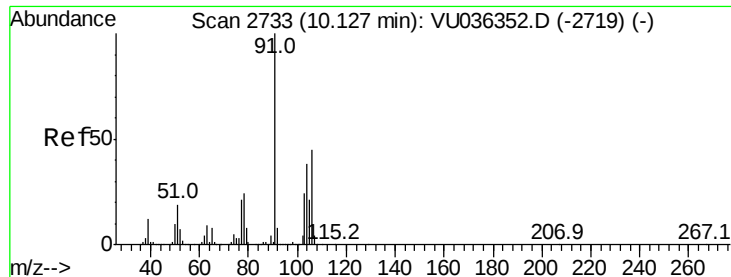
Tgt Ion: 106 Resp: 708802

Ion Ratio Lower Upper

106 100

91 206.8 146.8 272.6





#54

o-xylene

Concen: 112.010 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

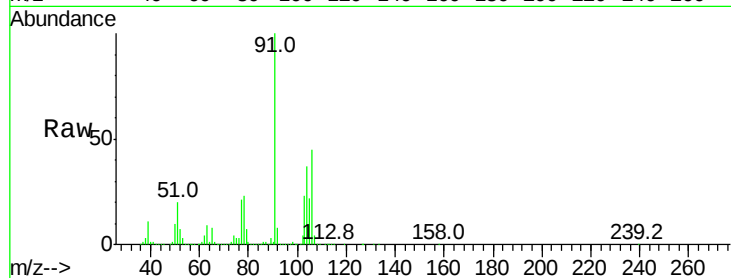
VSTD10035

Tgt Ion:106 Resp: 703687

Ion Ratio Lower Upper

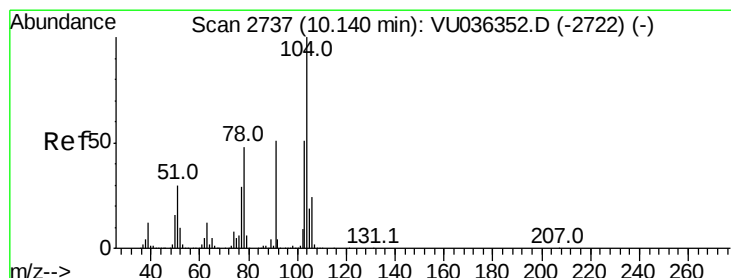
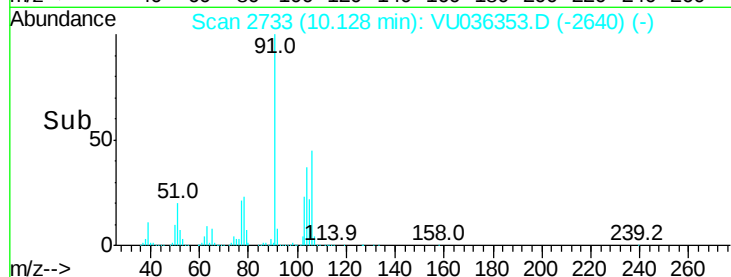
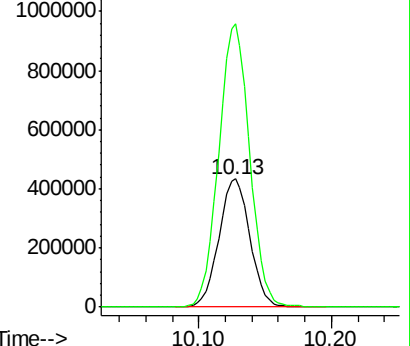
106 100

91 220.6 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 112.415 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036353.D

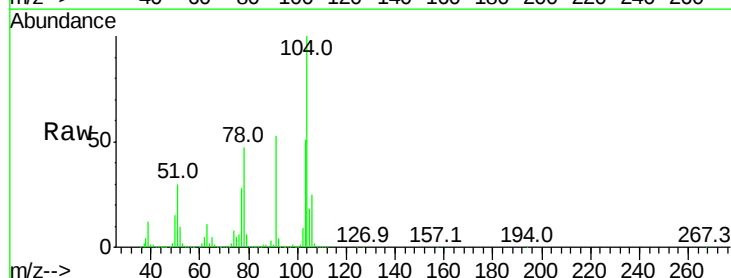
Acq: 27 Dec 2019 13:31

Tgt Ion:104 Resp: 1225950

Ion Ratio Lower Upper

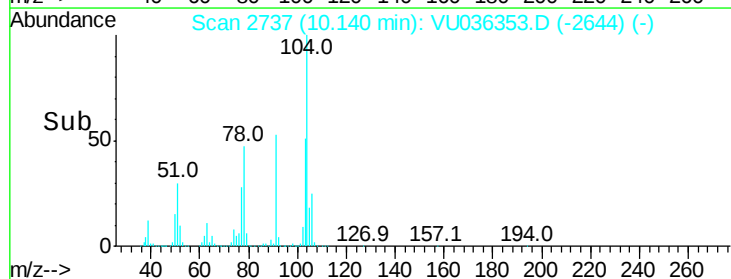
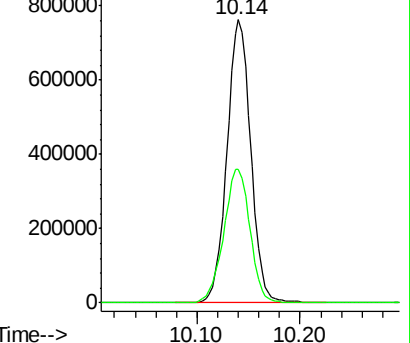
104 100

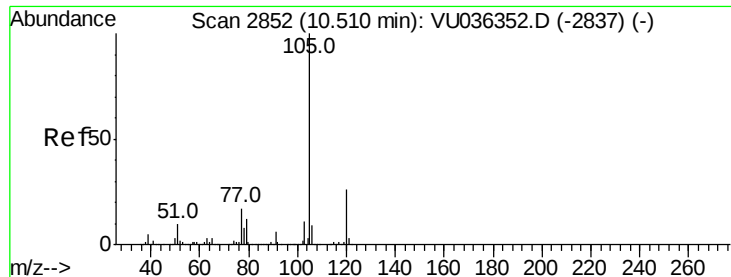
78 47.4 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 114.112 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

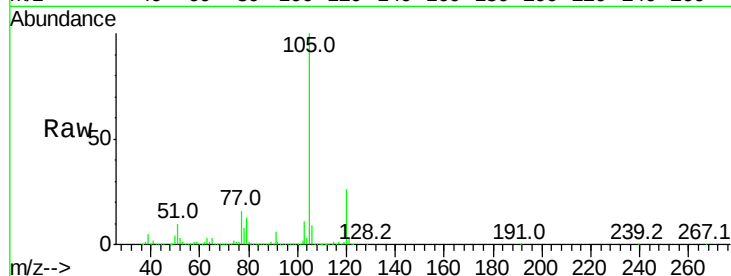
Tgt Ion:105 Resp: 1856611

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

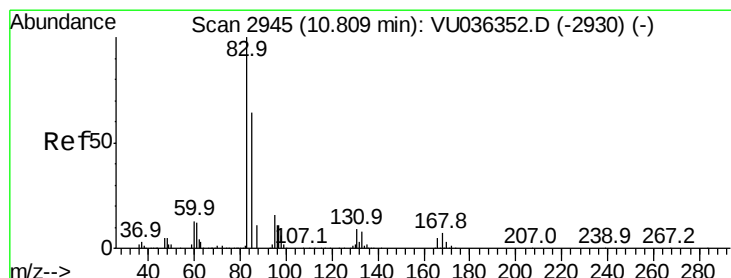
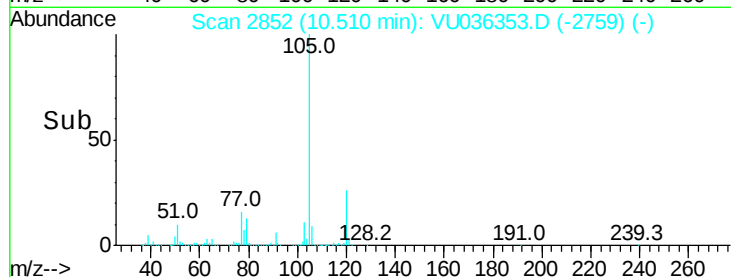
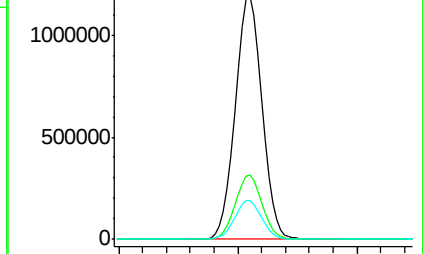
77 16.2 13.3 19.9



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: 106.213 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

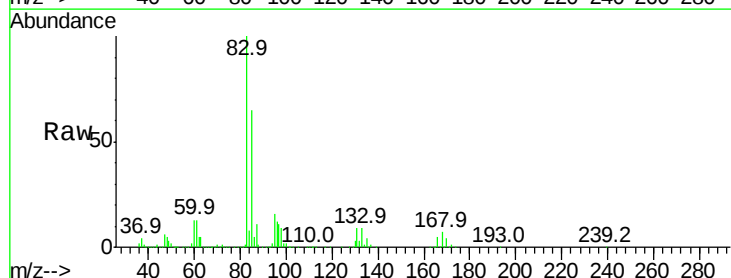
Tgt Ion: 83 Resp: 725990

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

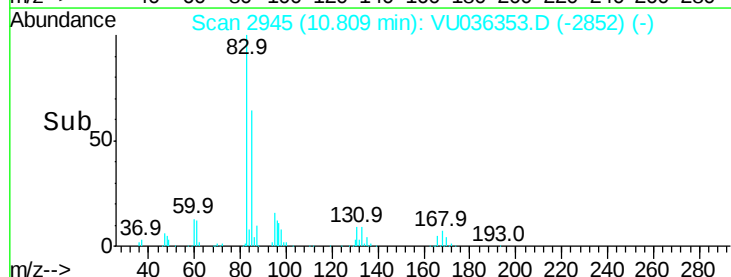
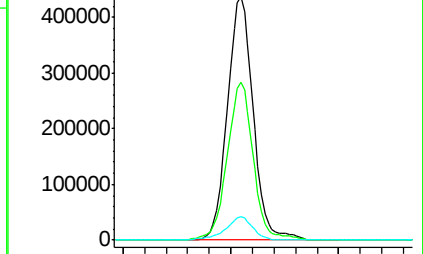
131 9.5 7.5 11.3

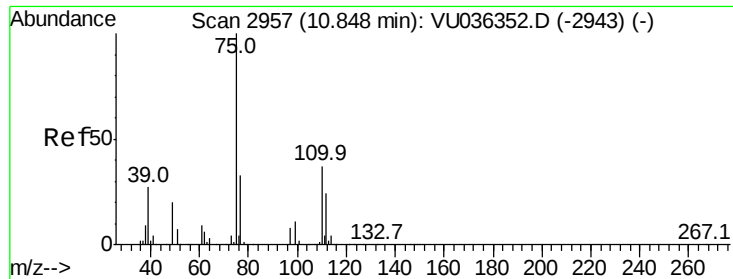


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 102.810 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

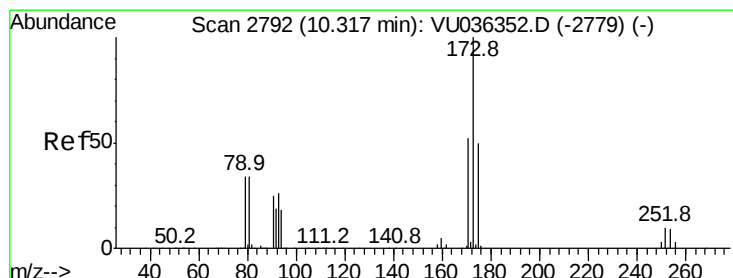
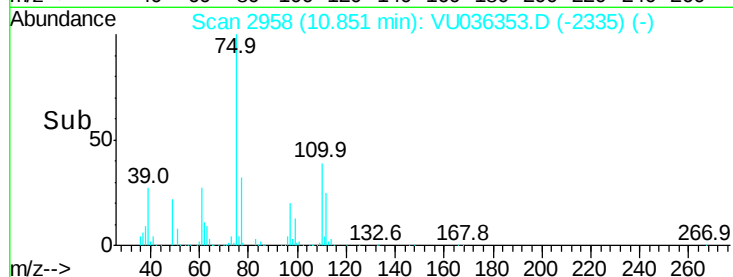
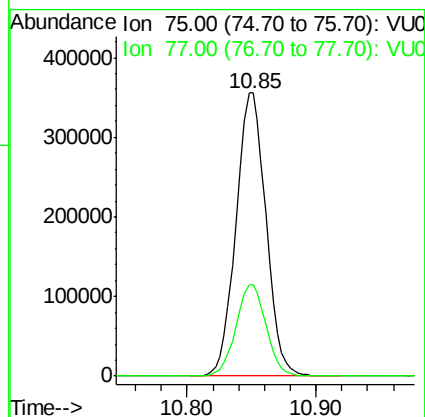
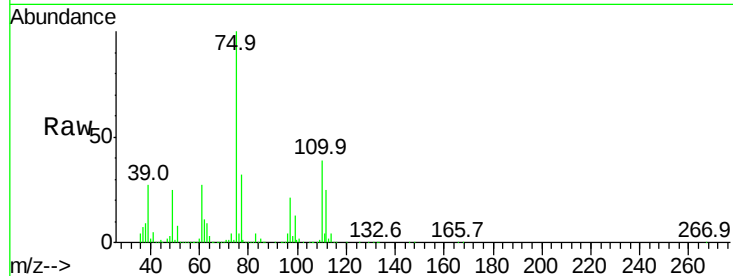
VSTD10035

Tgt Ion: 75 Resp: 573793

Ion Ratio Lower Upper

75 100

77 32.4 26.3 39.5



#61

Bromoform

Concen: 105.805 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

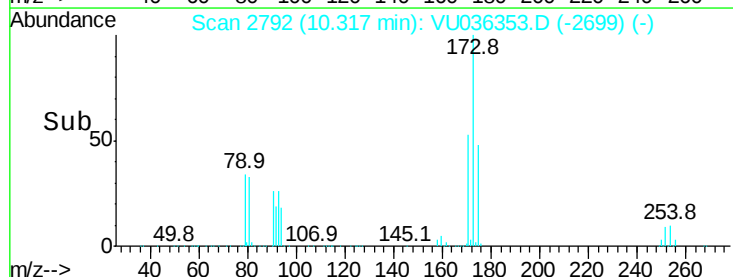
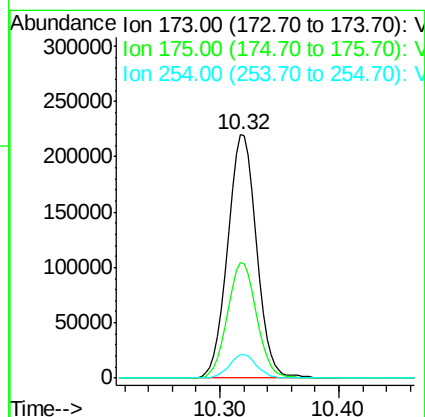
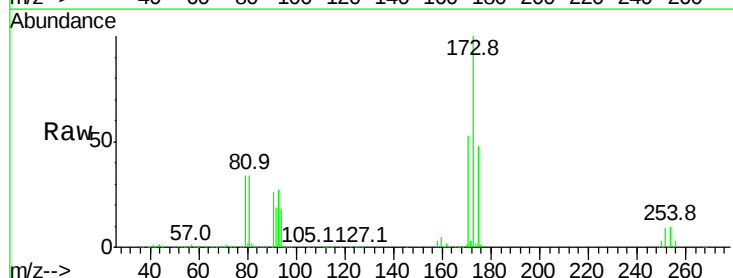
Tgt Ion: 173 Resp: 370762

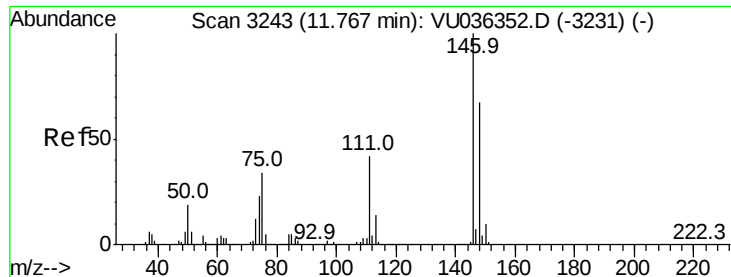
Ion Ratio Lower Upper

173 100

175 47.9 38.7 58.1

254 9.2 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 101.690 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

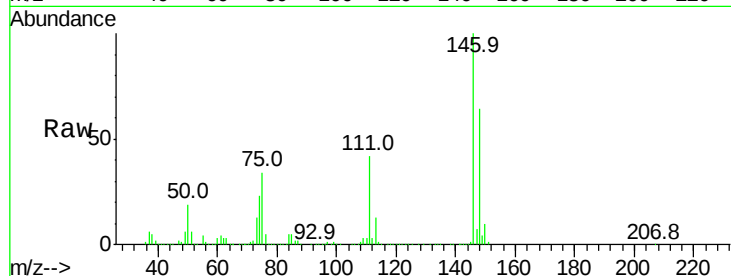
Tgt Ion:146 Resp: 816983

Ion Ratio Lower Upper

146 100

111 42.4 29.1 54.1

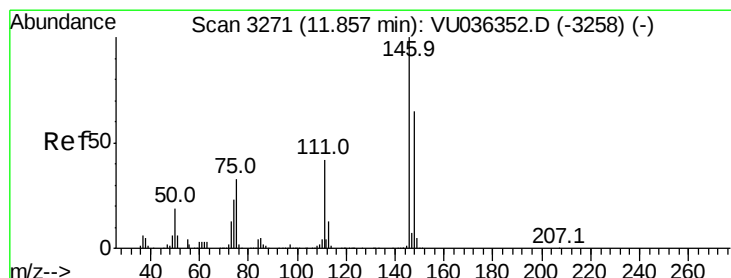
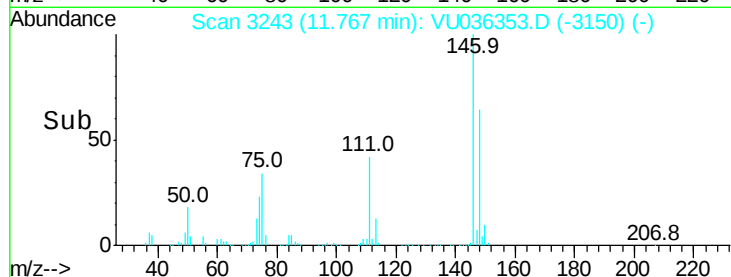
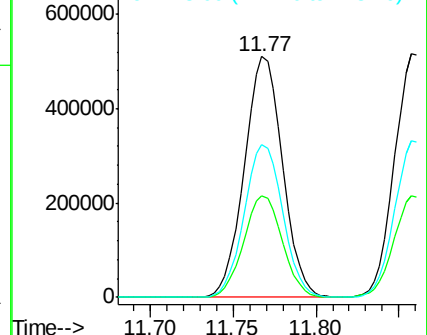
148 63.6 46.9 87.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 98.941 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

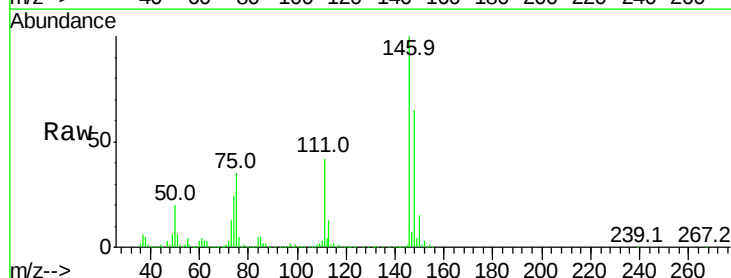
Tgt Ion:146 Resp: 816686

Ion Ratio Lower Upper

146 100

111 42.0 29.7 55.1

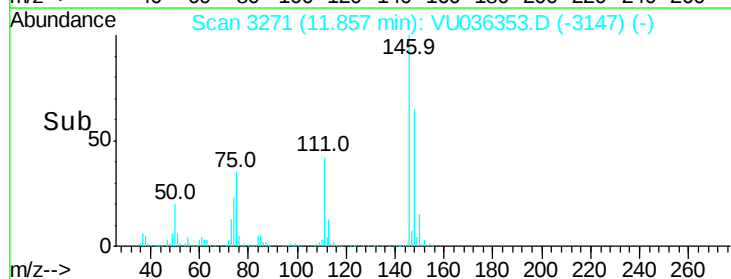
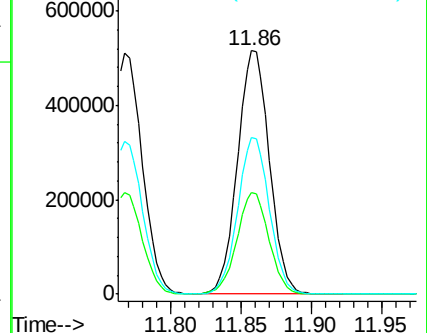
148 64.5 45.6 84.6

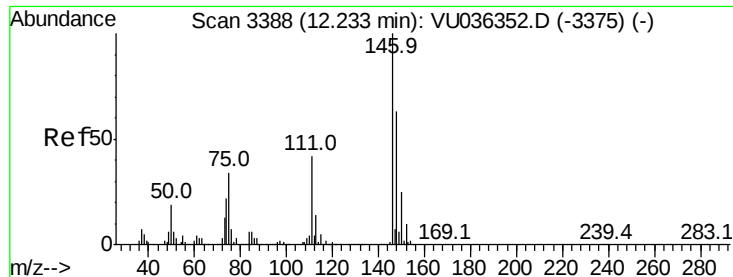


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

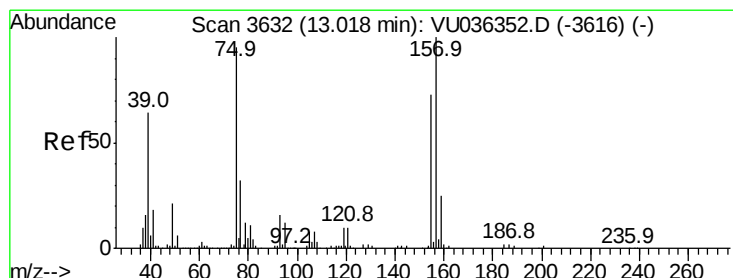
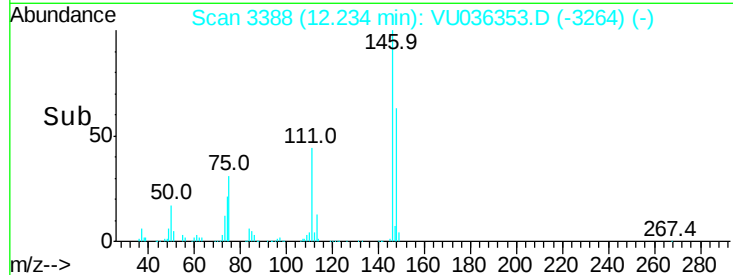
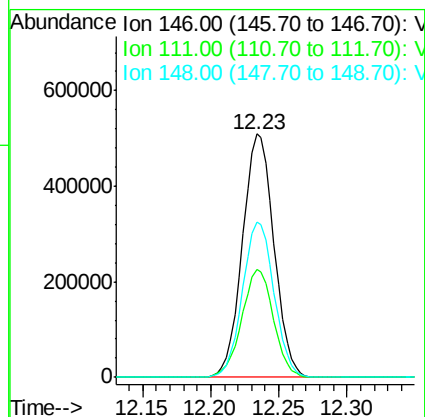
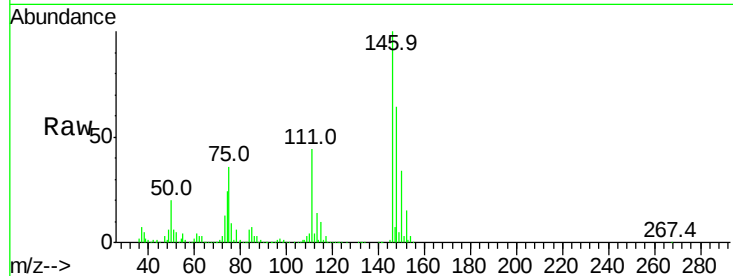




#65
 1,2-Dichlorobenzene
 Concen: 99.236 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036353.D
 Acq: 27 Dec 2019 13:31

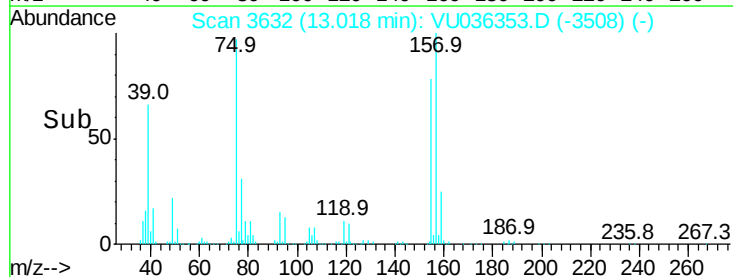
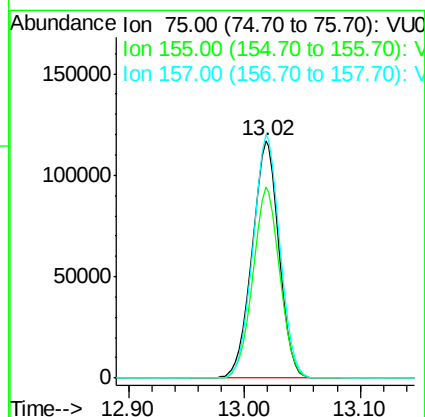
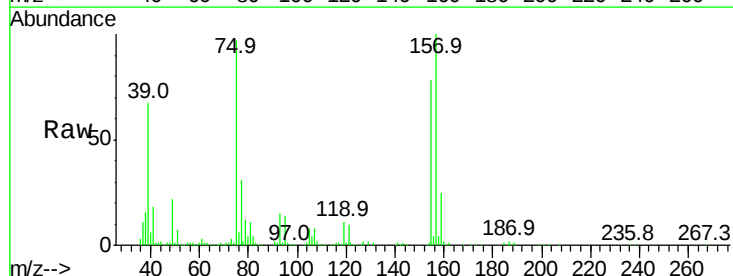
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

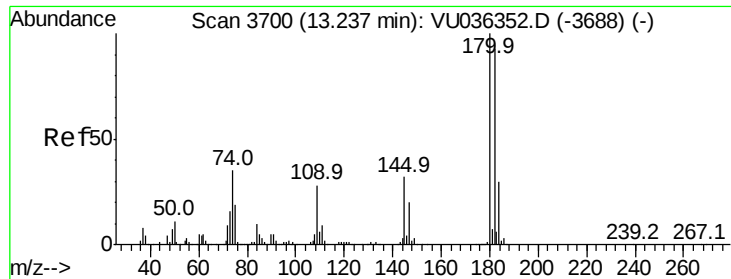
Tgt Ion: 146 Resp: 816009
 Ion Ratio Lower Upper
 146 100
 111 44.3 33.4 50.2
 148 63.6 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 130.552 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036353.D
 Acq: 27 Dec 2019 13:31

Tgt Ion: 75 Resp: 189558
 Ion Ratio Lower Upper
 75 100
 155 80.3 61.8 92.6
 157 102.6 84.2 126.2

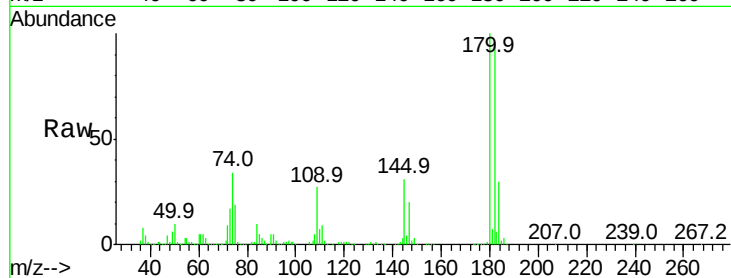




#67
 1,3,5-Trichlorobenzene
 Concen: 97.086 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036353.D
 Acq: 27 Dec 2019 13:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.6	112.0
184	30.5	23.9	35.9
145	31.8	25.4	38.2

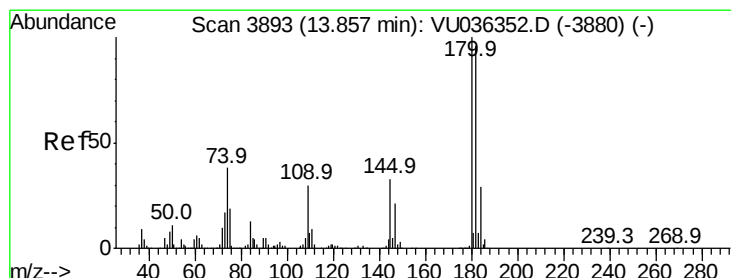
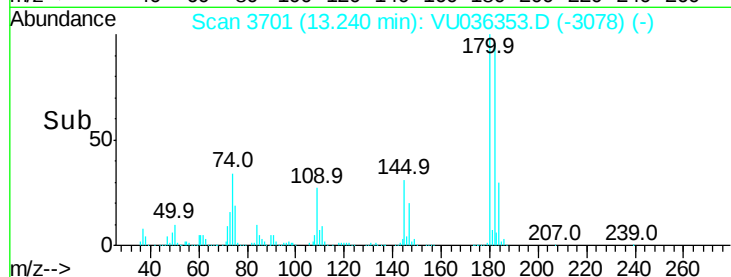
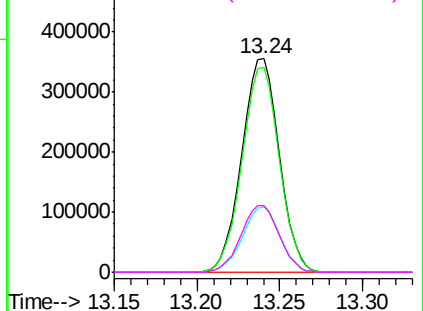


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

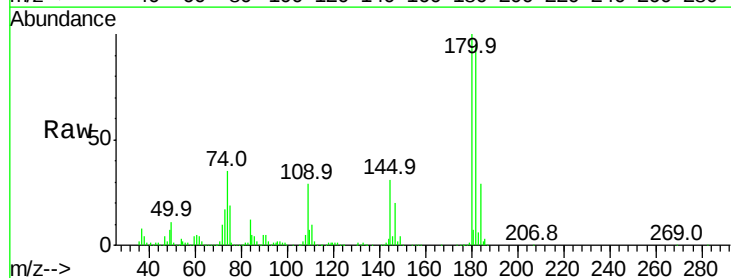
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 112.630 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036353.D
 Acq: 27 Dec 2019 13:31

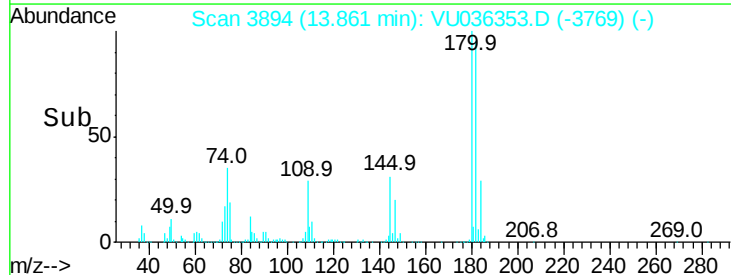
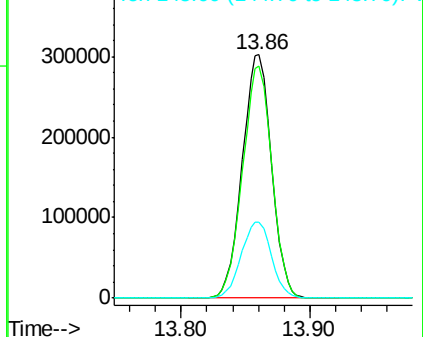
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.0	117.0
145	32.4	26.0	39.0

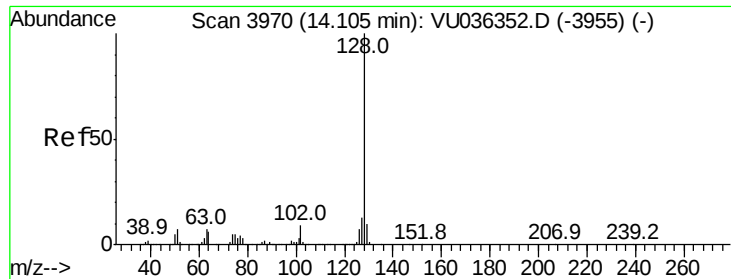


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 150.432 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

Instrument :

MSVOA_U

ClientSampled :

VSTD10035

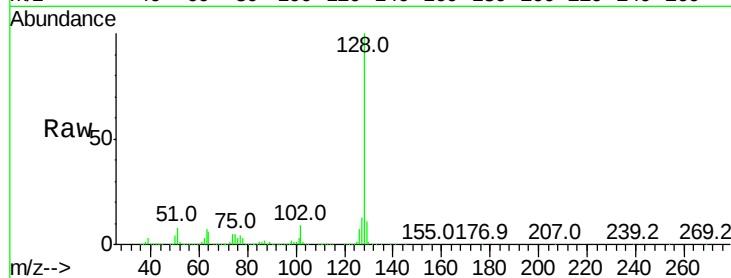
Tgt Ion:128 Resp: 1698666

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

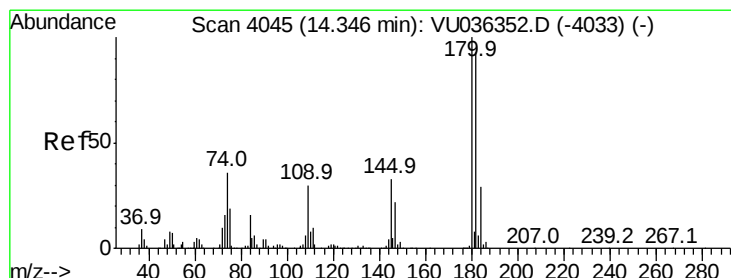
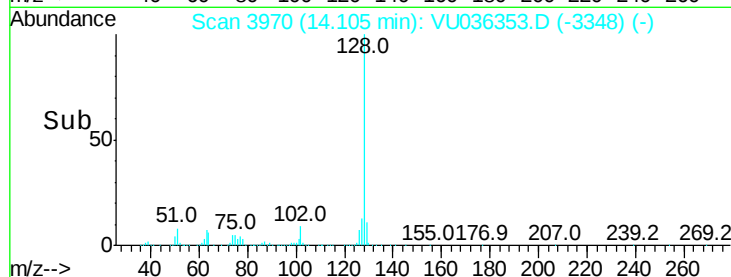
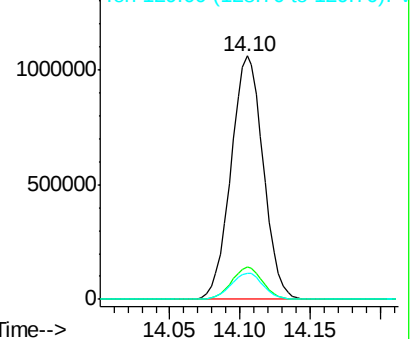
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 105.163 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036353.D

Acq: 27 Dec 2019 13:31

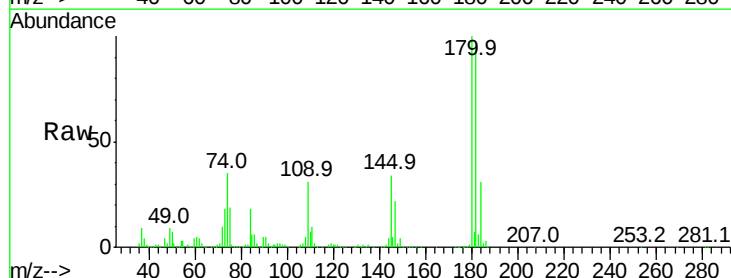
Tgt Ion:180 Resp: 475571

Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.2

145 34.3 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

