

Data File : VY000532.D
Acq On : 05 Nov 2019 10:28
Operator : SY/MD
Sample : VSTD02579
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025791

Quant Time: Nov 06 04:21:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 06 04:18:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	361661	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	346646	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	171049	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	148060	26.87	ug/L	0.00
7) Chloroethane-d5	2.76	69	128407	26.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	250085	26.16	ug/L	0.00
21) 2-Butanone-d5	6.91	46	119704	49.48	ug/L	0.00
24) Chloroform-d	7.49	84	245904	26.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	148603	26.12	ug/L	0.00
32) Benzene-d6	8.12	84	510401	25.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	155207	25.40	ug/L	0.00
41) Toluene-d8	10.18	98	473561	25.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	78743	25.54	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	96914	50.68	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	169739	25.67	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	168547	25.23	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	125283	24.924 ug/L	100
3) Chloromethane	2.11	50	166089	25.164 ug/L	100
5) Vinyl chloride	2.25	62	163603	26.547 ug/L	100
6) Bromomethane	2.66	94	74335	26.347 ug/L	100
8) Chloroethane	2.80	64	103177	27.129 ug/L	100
9) Trichlorofluoromethane	3.13	101	229348	26.374 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	134940	26.726 ug/L	100
12) 1,1-Dichloroethene	3.88	96	125946	26.217 ug/L	100
13) Acetone	3.97	43	86391	37.432 ug/L	100
14) Carbon disulfide	4.20	76	416606	27.346 ug/L	100
15) Methyl Acetate	4.49	43	103659	25.198 ug/L	100
16) Methylene chloride	4.72	84	147170	24.955 ug/L	100
17) trans-1,2-Dichloroethene	5.22	96	142815	26.752 ug/L	100
18) Methyl tert-butyl Ether	5.23	73	400350	26.317 ug/L	100
19) 1,1-Dichloroethane	6.03	63	247452	26.444 ug/L	100
20) cis-1,2-Dichloroethene	7.00	96	159039	26.610 ug/L	100
22) 2-Butanone	7.01	43	157975	44.675 ug/L	100
23) Bromochloromethane	7.35	128	70040	26.068 ug/L	100
25) Chloroform	7.52	83	253490	26.230 ug/L	100
27) 1,2-Dichloroethane	8.25	62	182613	26.453 ug/L	100
29) Cyclohexane	7.79	56	247058	26.092 ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	220599	26.382 ug/L	100
31) Carbon tetrachloride	7.91	117	200276	25.973 ug/L	100
33) Benzene	8.17	78	589316	25.885 ug/L	100
34) Trichloroethene	8.95	95	154922	25.785 ug/L	100
35) Methylcyclohexane	9.19	83	273468	26.498 ug/L	100
37) 1,2-Dichloropropane	9.22	63	147538	25.401 ug/L	100
38) Bromodichloromethane	9.50	83	195326	26.431 ug/L	100
39) cis-1,3-Dichloropropene	9.93	75	248969	26.750 ug/L	100
40) 4-Methyl-2-pentanone	10.08	43	321833	50.282 ug/L	100

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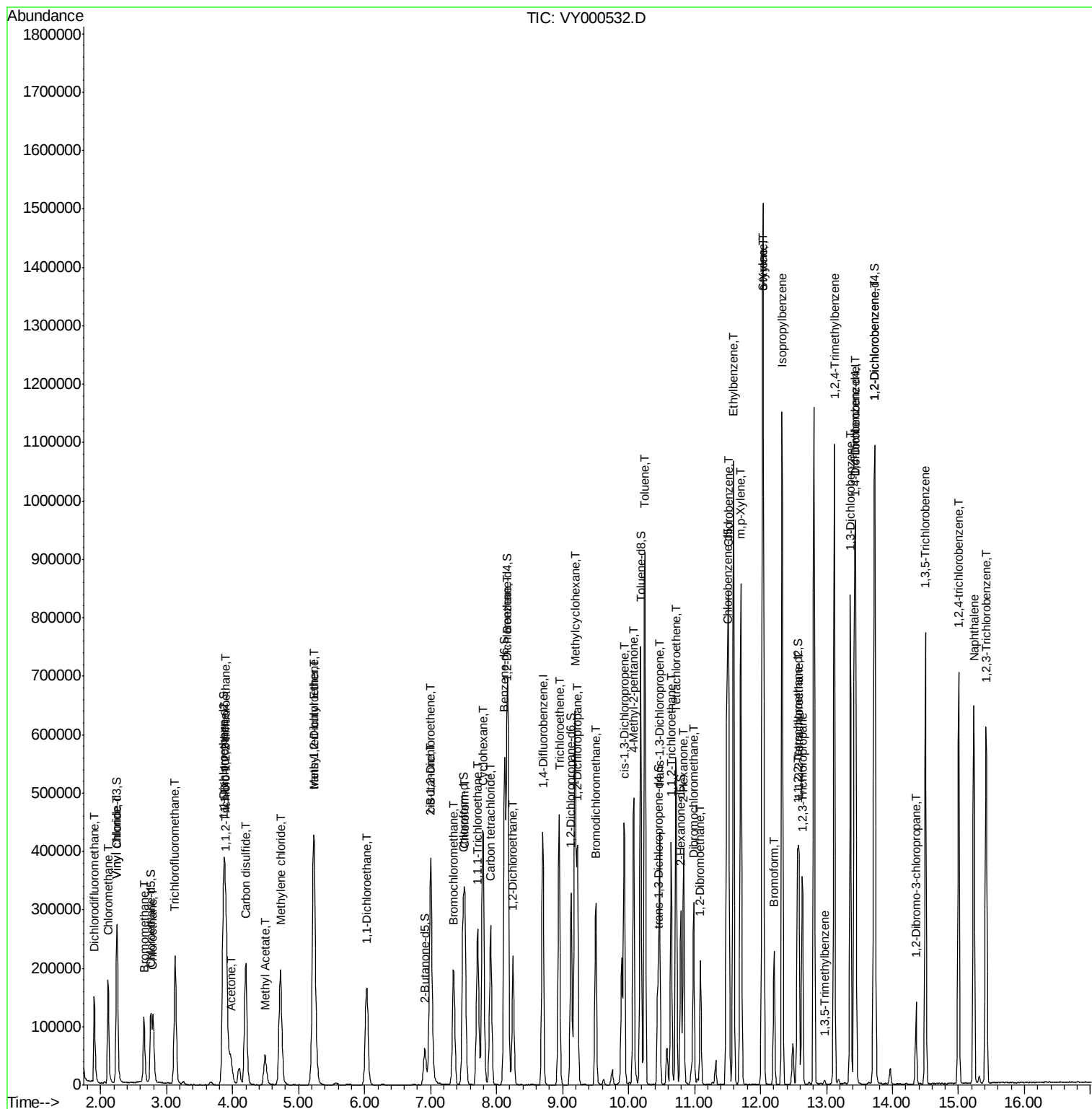
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.25	91	636364	26.174	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	216595	26.334	ug/L	100
45) 1,1,2-Trichloroethane	10.65	97	128511	26.063	ug/L	100
46) Tetrachloroethene	10.72	164	117396	25.597	ug/L	100
48) 2-Hexanone	10.83	43	246798	49.324	ug/L	100
49) Dibromochloromethane	10.99	129	146603	26.387	ug/L	100
50) 1,2-Dibromoethane	11.09	107	127136	25.495	ug/L	100
51) Chlorobenzene	11.52	112	401412	25.848	ug/L	100
52) Ethylbenzene	11.59	91	721948	26.029	ug/L	100
53) m,p-Xylene	11.70	106	279416	26.290	ug/L	100
54) o-Xylene	12.03	106	271016	26.256	ug/L	100
55) Styrene	12.04	104	459659	26.332	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	173875	26.014	ug/L	100
59) Bromoform	12.20	173	94592	26.081	ug/L	100
60) Isopropylbenzene	12.33	105	699010	25.672	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	138924	25.656	ug/L	100
62) 1,3,5-Trimethylbenzene	12.97	105	3610	0.137	ug/L	92
63) 1,2,4-Trimethylbenzene	13.12	105	578778	26.034	ug/L	95
64) 1,3-Dichlorobenzene	13.36	146	311545	25.525	ug/L	100
65) 1,4-Dichlorobenzene	13.44	146	313297	25.511	ug/L	100
67) 1,2-Dichlorobenzene	13.73	146	293850	25.706	ug/L	100
68) 1,2-Dibromo-3-chloropropan	14.36	75	32093	25.603	ug/L	100
69) 1,3,5-Trichlorobenzene	14.50	180	223103	26.482	ug/L	100
70) 1,2,4-trichlorobenzene	15.00	180	198178	25.826	ug/L	100
71) Naphthalene	15.23	128	524753	26.177	ug/L	100
72) 1,2,3-Trichlorobenzene	15.42	180	185112	26.040	ug/L	100

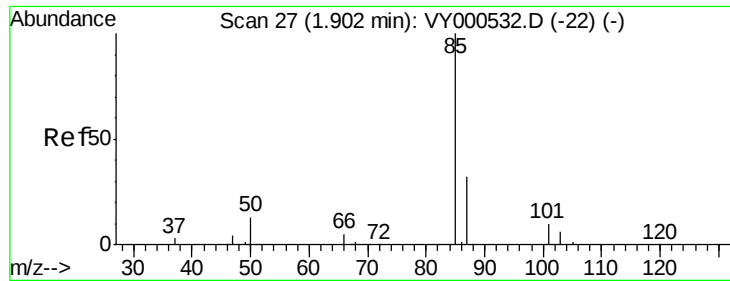
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.924 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

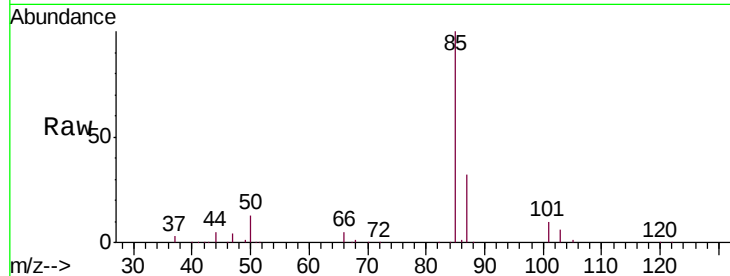
VSTD025791

Tgt Ion: 85 Resp: 125283

Ion Ratio Lower Upper

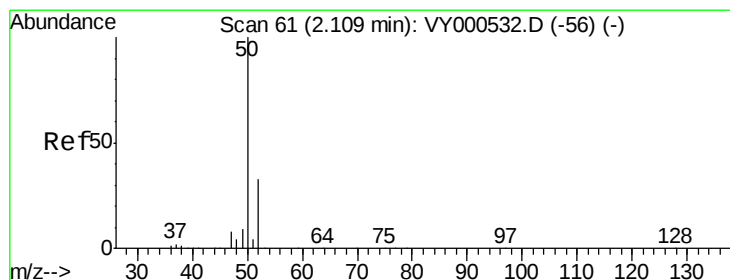
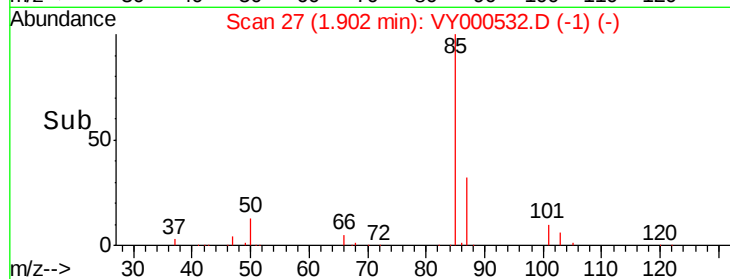
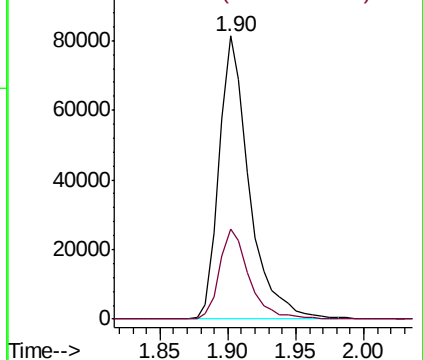
85 100

87 31.4 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 25.164 ug/L

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000532.D

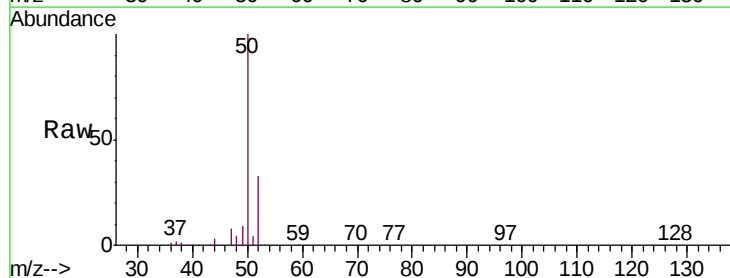
Acq: 05 Nov 2019 10:28

Tgt Ion: 50 Resp: 166089

Ion Ratio Lower Upper

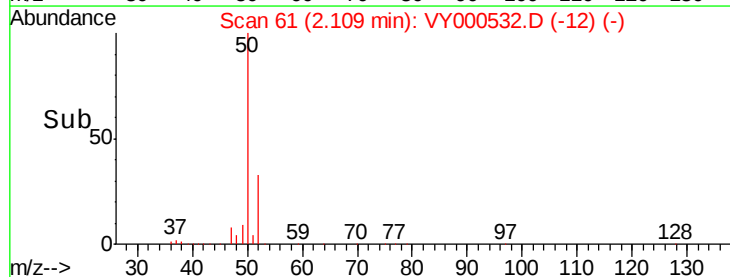
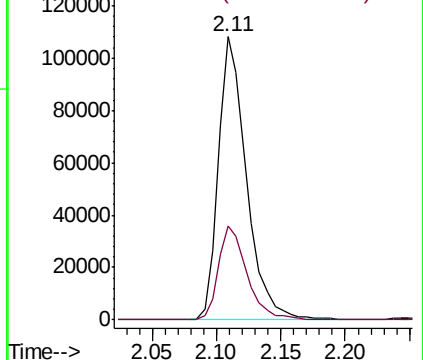
50 100

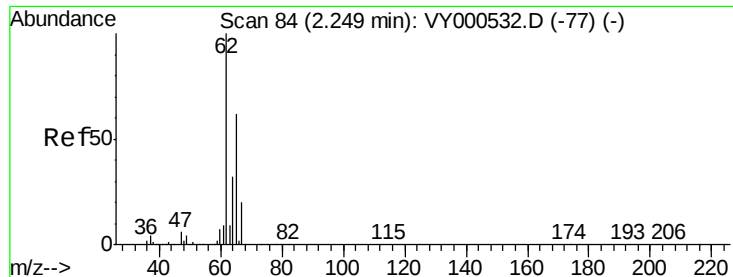
52 33.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 26.547 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

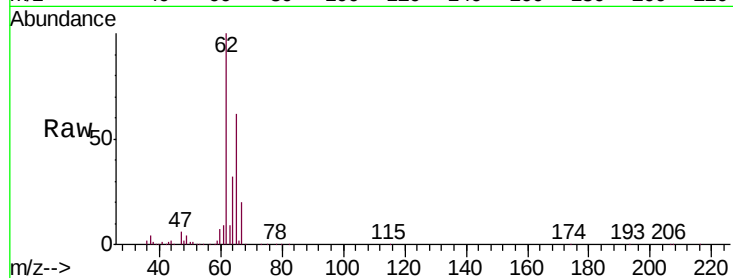
VSTD025791

Tgt Ion: 62 Resp: 163603

Ion Ratio Lower Upper

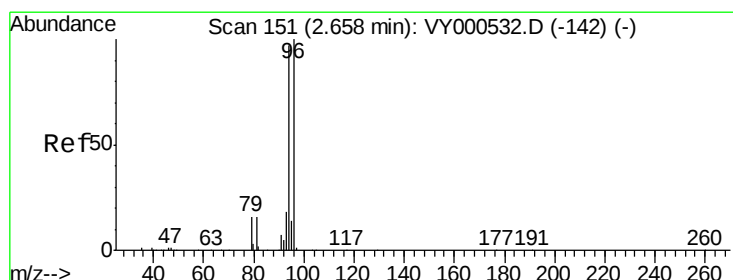
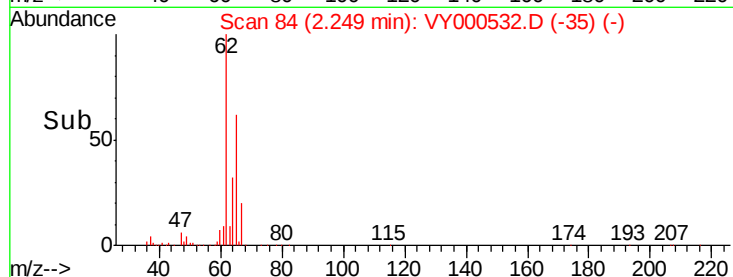
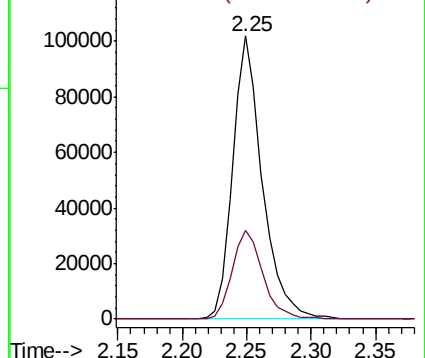
62 100

64 31.5 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 26.347 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.00 min

Lab File: VY000532.D

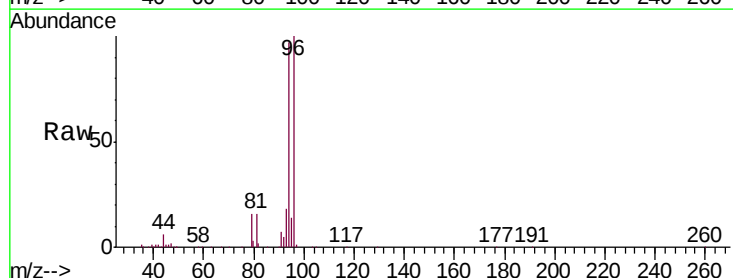
Acq: 05 Nov 2019 10:28

Tgt Ion: 94 Resp: 74335

Ion Ratio Lower Upper

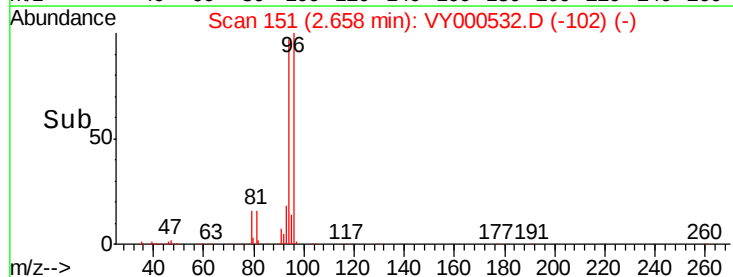
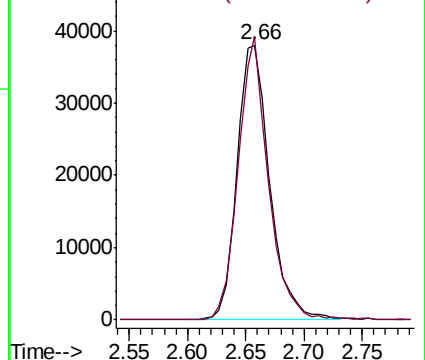
94 100

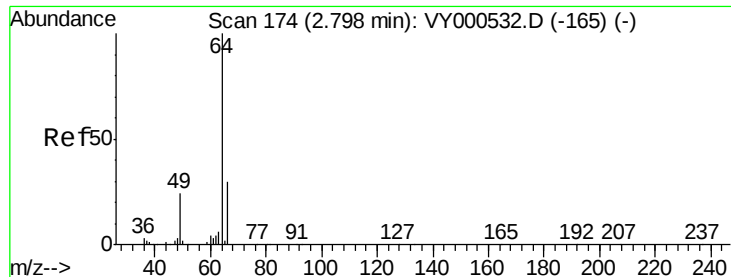
96 103.1 72.2 134.0



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 27.129 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

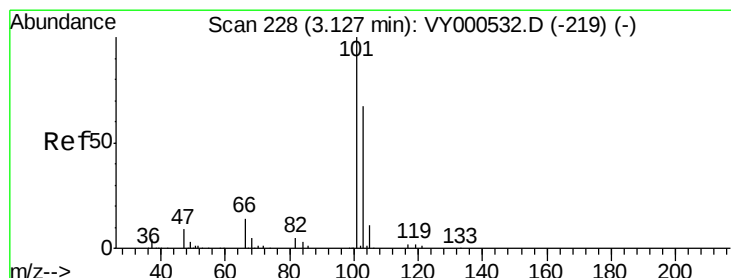
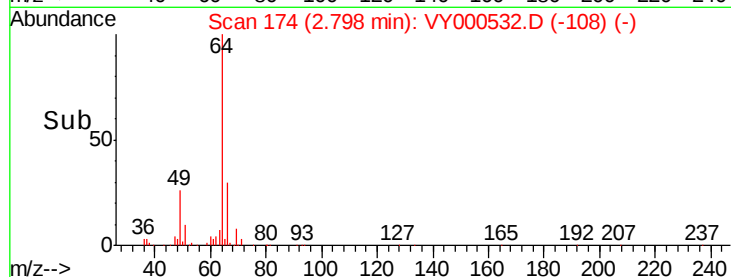
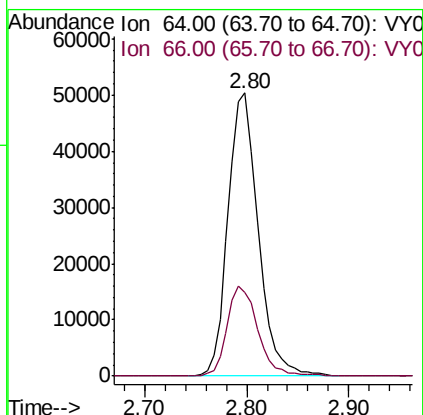
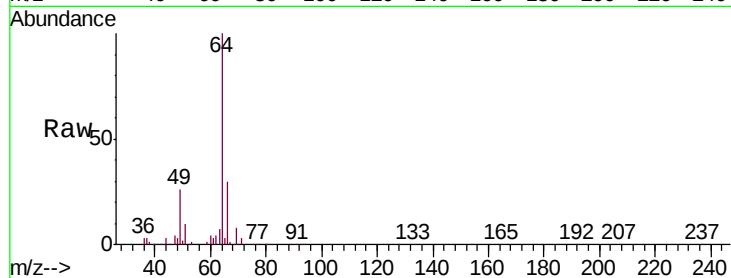
VSTD025791

Tgt Ion: 64 Resp: 103177

Ion Ratio Lower Upper

64 100

66 29.8 20.9 38.7



#9

Trichlorofluoromethane

Concen: 26.374 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000532.D

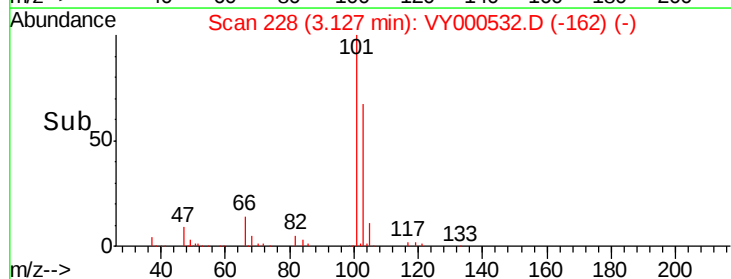
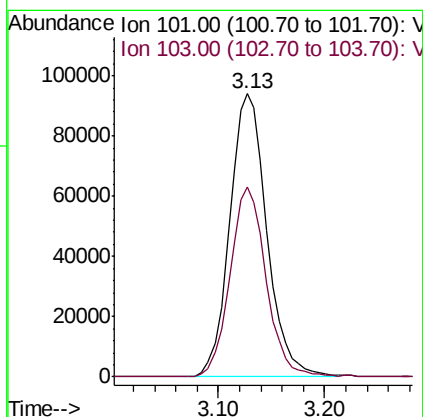
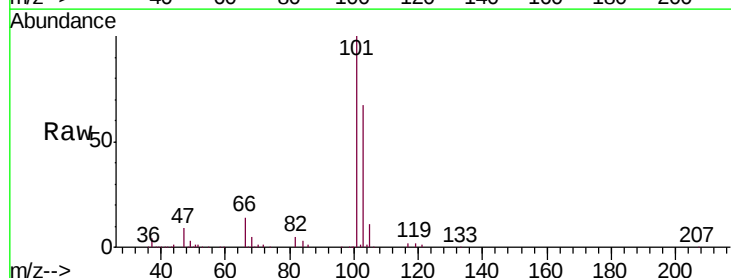
Acq: 05 Nov 2019 10:28

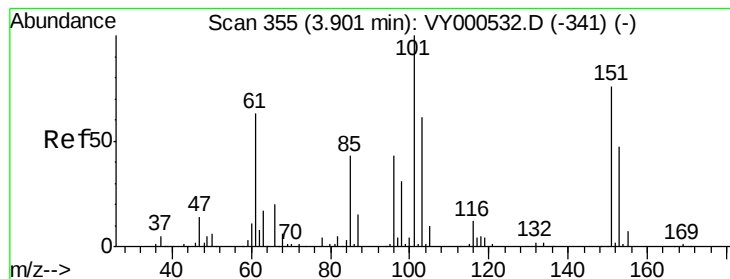
Tgt Ion: 101 Resp: 229348

Ion Ratio Lower Upper

101 100

103 65.1 52.1 78.1





#10

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

Concen: 26.726 ug/L

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025791

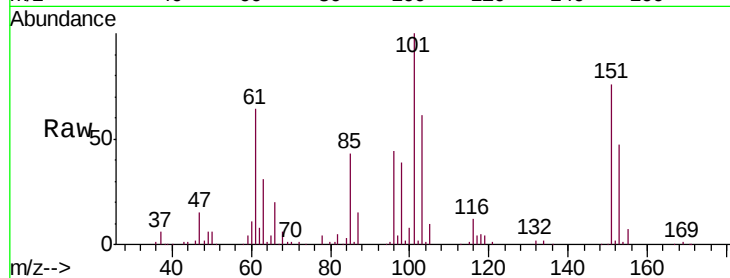
Tgt Ion: 101 Resp: 134940

Ion Ratio Lower Upper

101 100

85 44.8 35.8 53.8

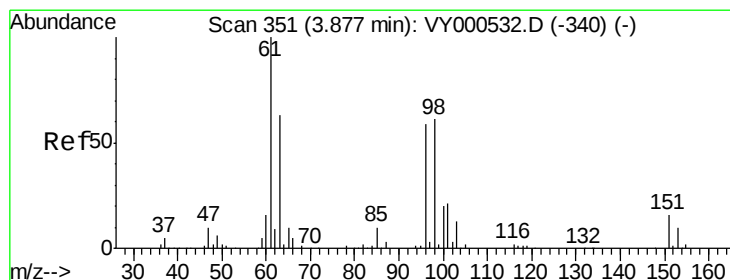
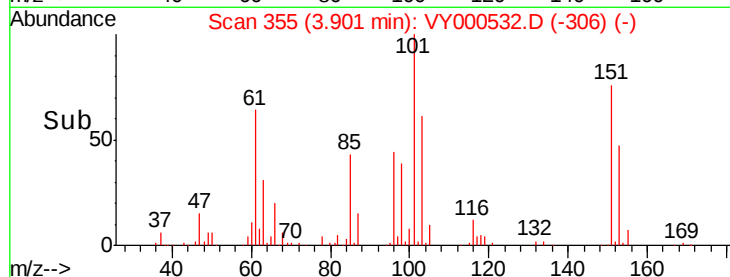
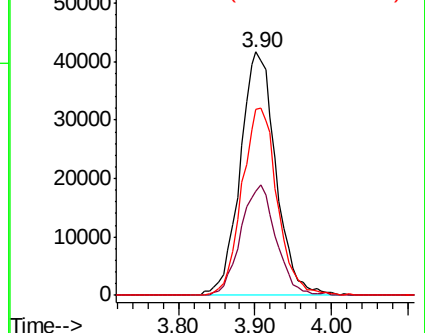
151 76.3 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VY000532.D (-341) (-)

Ion 85.00 (84.70 to 85.70): VY000532.D (-341) (-)

Ion 151.00 (150.70 to 151.70): VY000532.D (-341) (-)



#12

1,1-Dichloroethene

Concen: 26.217 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

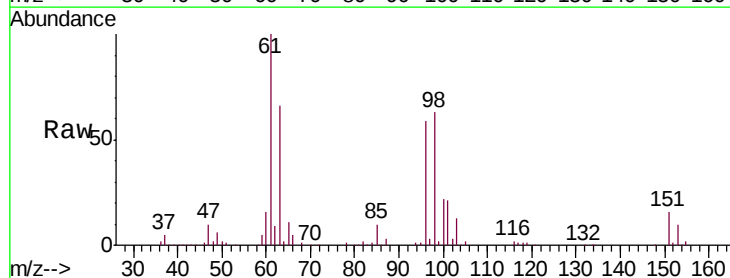
Tgt Ion: 96 Resp: 125946

Ion Ratio Lower Upper

96 100

61 169.4 118.6 220.2

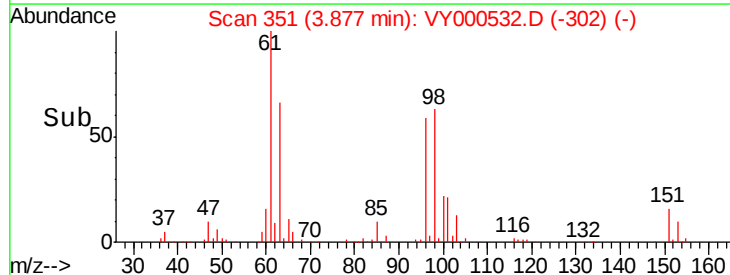
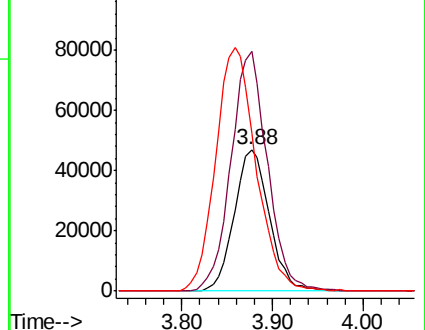
63 111.2 77.8 144.6

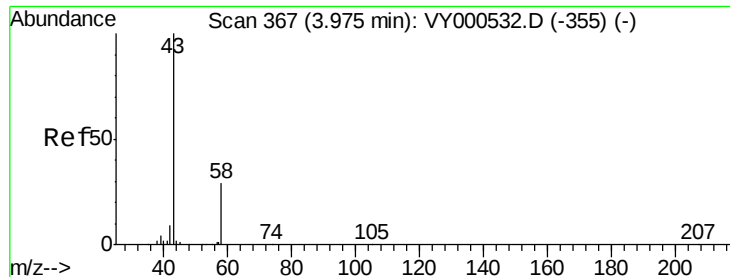


Abundance Ion 96.00 (95.70 to 96.70): VY000532.D (-340) (-)

Ion 61.00 (60.70 to 61.70): VY000532.D (-340) (-)

Ion 63.00 (62.70 to 63.70): VY000532.D (-340) (-)





#13

Acetone

Concen: 37.432 ug/L

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

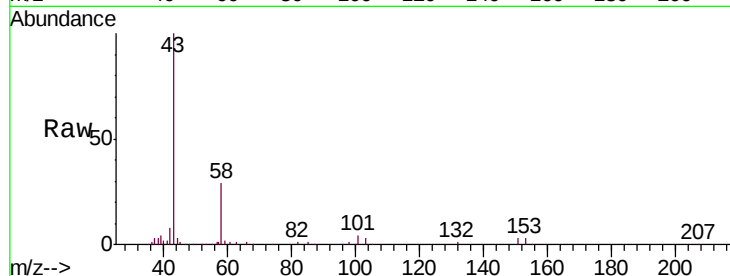
VSTD025791

Tgt Ion: 43 Resp: 86391

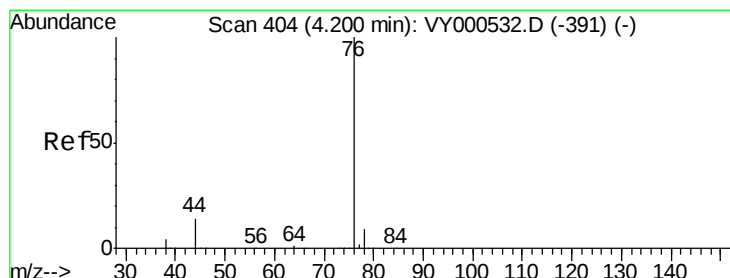
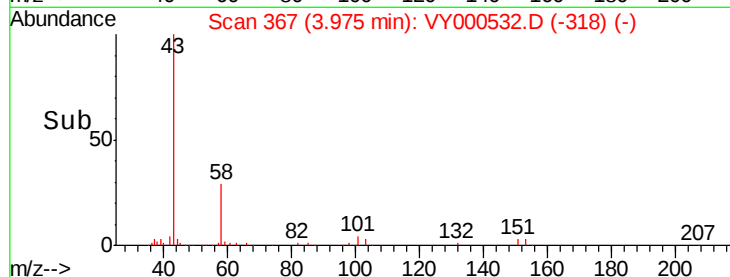
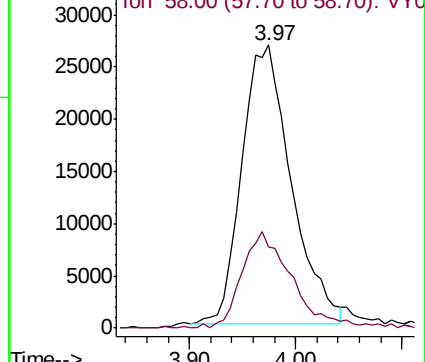
Ion Ratio Lower Upper

43 100

58 34.8 0.0 69.6



Abundance Ion 43.00 (42.70 to 43.70): VY000532.D (-355) (-)



#14

Carbon disulfide

Concen: 27.346 ug/L

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY000532.D

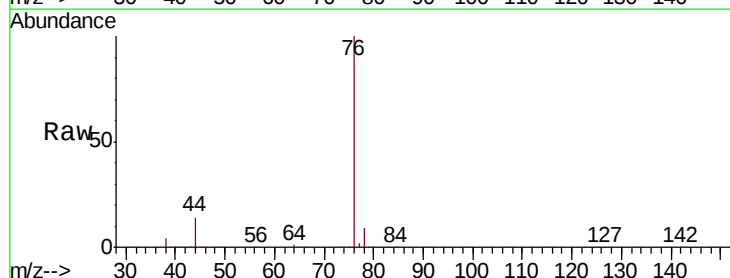
Acq: 05 Nov 2019 10:28

Tgt Ion: 76 Resp: 416606

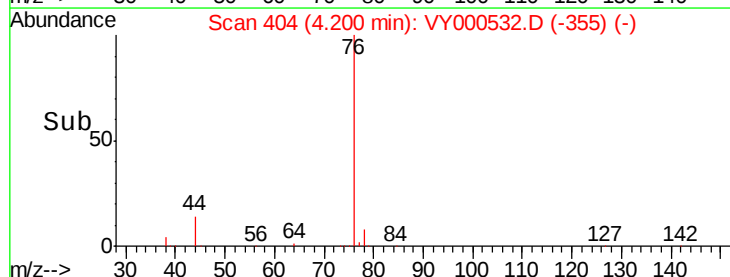
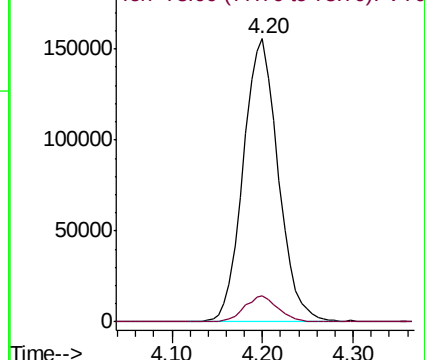
Ion Ratio Lower Upper

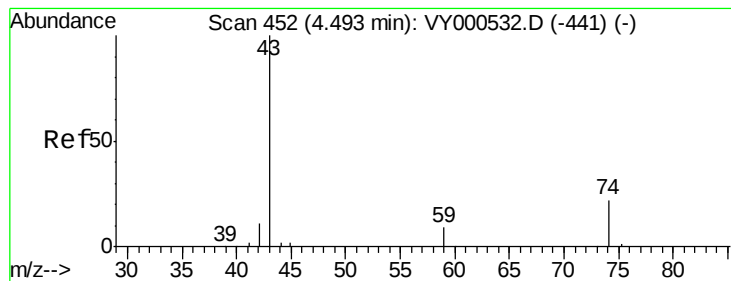
76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VY000532.D (-391) (-)





#15

Methyl Acetate

Concen: 25.198 ug/L

RT: 4.49 min Scan# 452

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

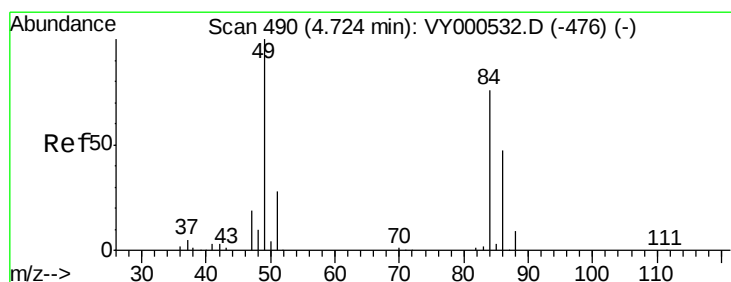
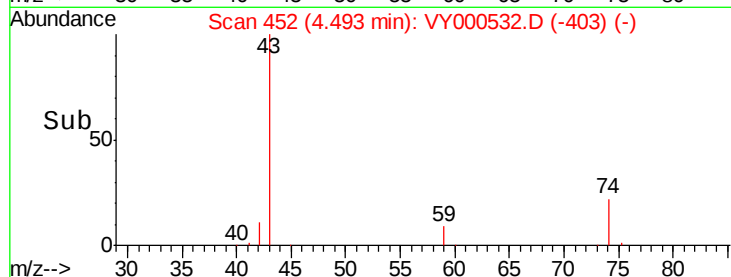
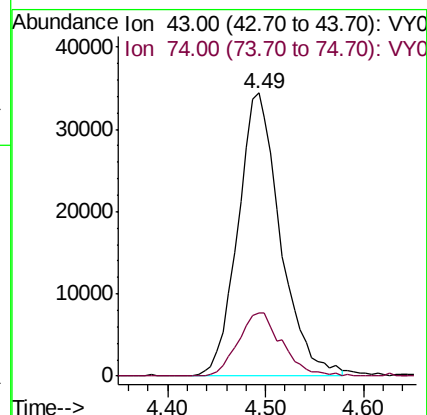
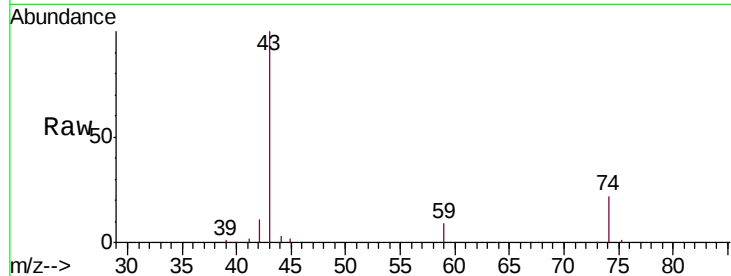
VSTD025791

Tgt Ion: 43 Resp: 103659

Ion Ratio Lower Upper

43 100

74 22.4 17.9 26.9



#16

Methylene chloride

Concen: 24.955 ug/L

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

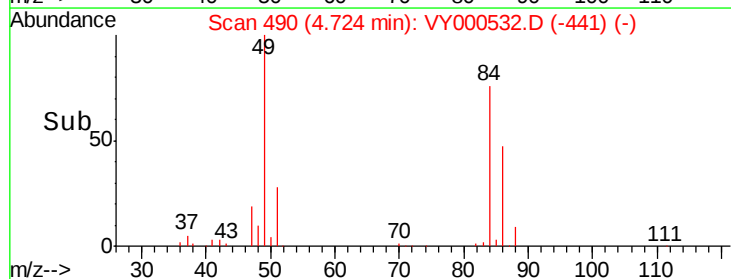
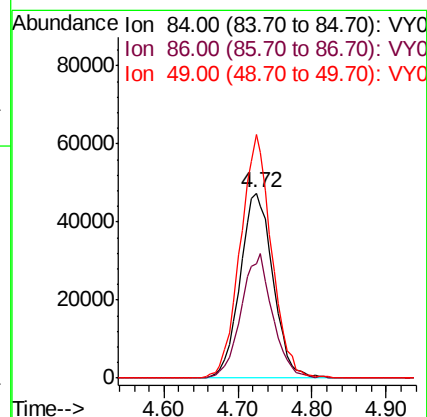
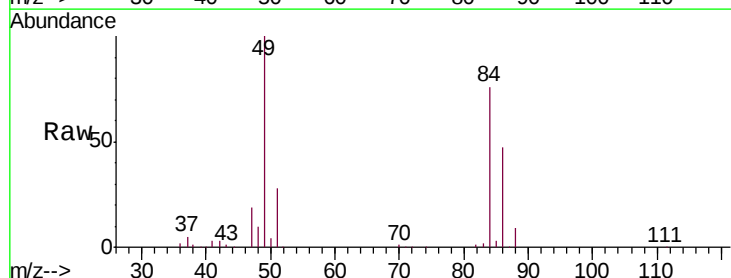
Tgt Ion: 84 Resp: 147170

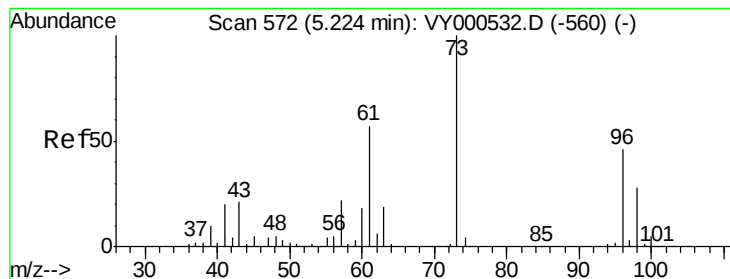
Ion Ratio Lower Upper

84 100

86 62.0 43.4 80.6

49 131.8 92.3 171.3





#17

trans-1,2-Dichloroethene

Concen: 26.752 ug/L

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025791

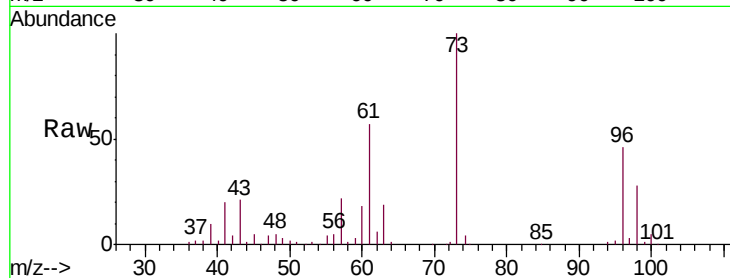
Tgt Ion: 96 Resp: 142815

Ion Ratio Lower Upper

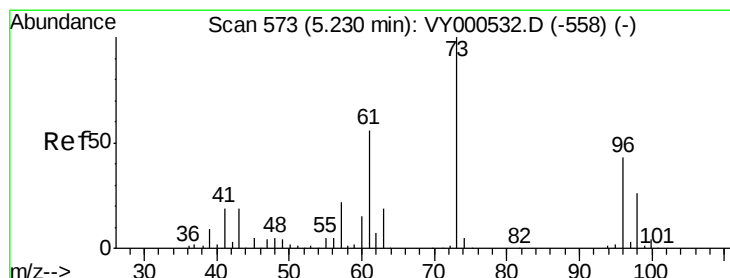
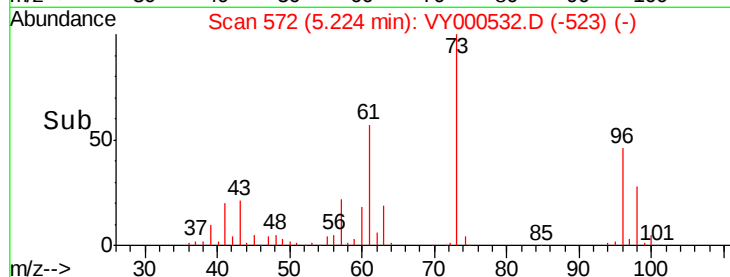
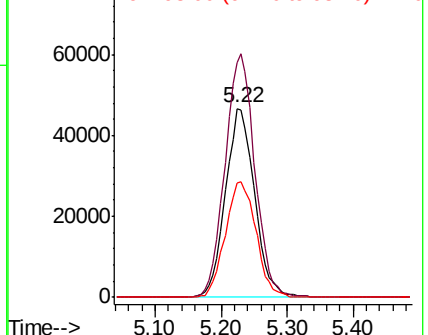
96 100

61 124.2 86.9 161.5

98 60.8 42.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 98.00 (97.70 to 98.70): VY0



#18

Methyl tert-butyl Ether

Concen: 26.317 ug/L

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

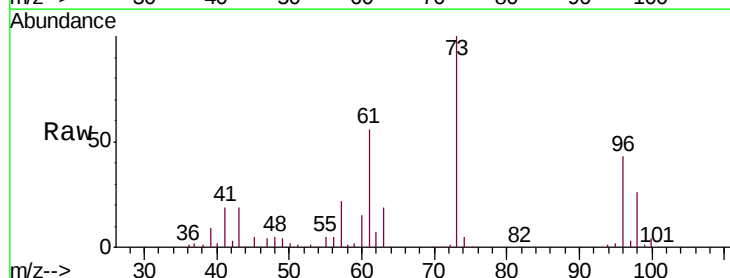
Tgt Ion: 73 Resp: 400350

Ion Ratio Lower Upper

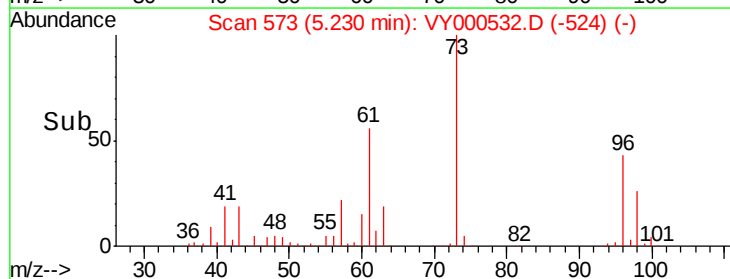
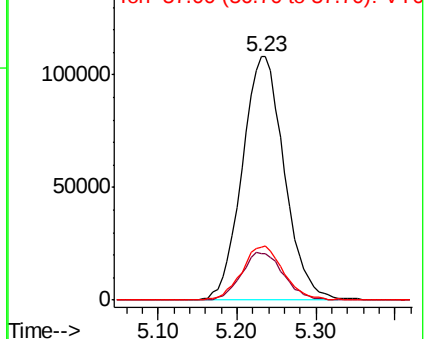
73 100

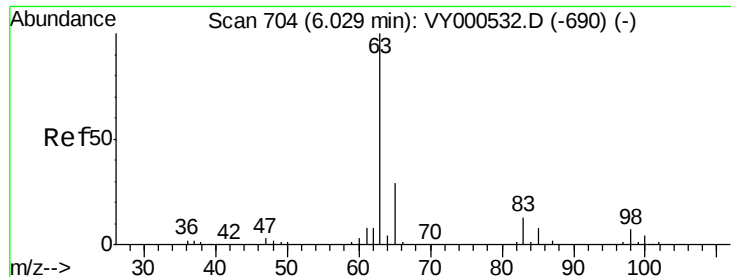
43 19.6 15.7 23.5

57 22.0 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

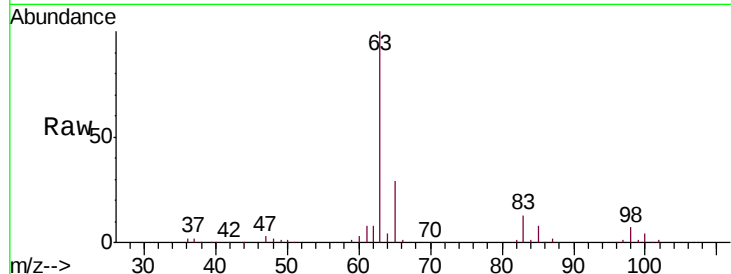




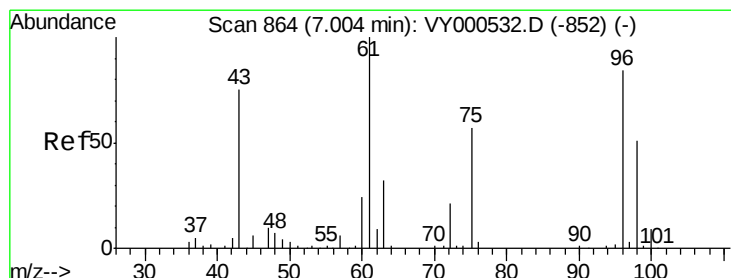
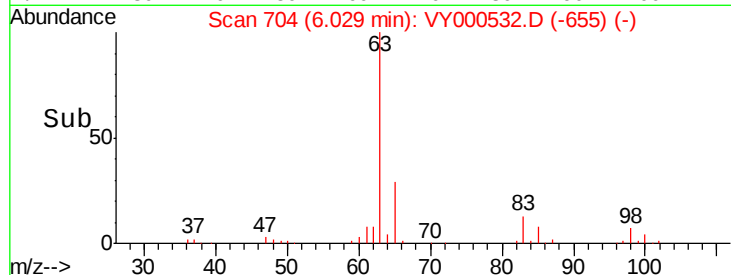
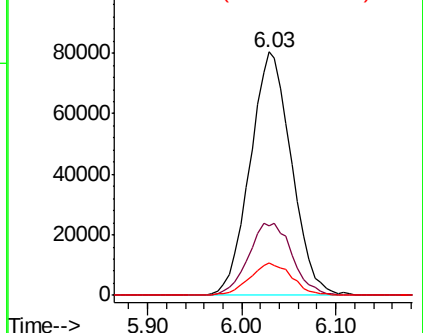
#19
 1,1-Dichloroethane
 Concen: 26.444 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY000532.D
 Acq: 05 Nov 2019 10:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025791

Tgt Ion: 63 Resp: 247452
 Ion Ratio Lower Upper
 63 100
 65 28.8 20.2 37.4
 83 13.2 9.2 17.2

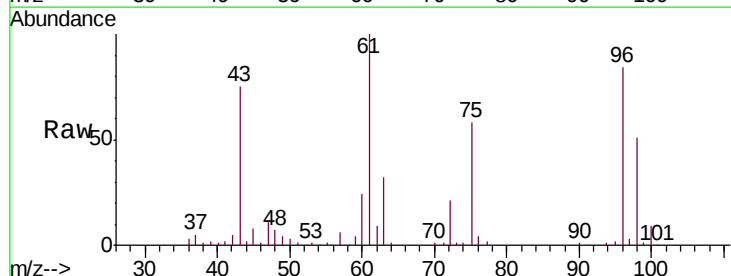


Abundance Ion 63.00 (62.70 to 63.70): VY0
 Ion 65.00 (64.70 to 65.70): VY0
 Ion 83.00 (82.70 to 83.70): VY0

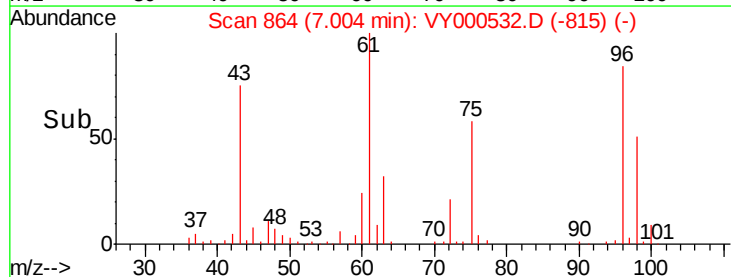
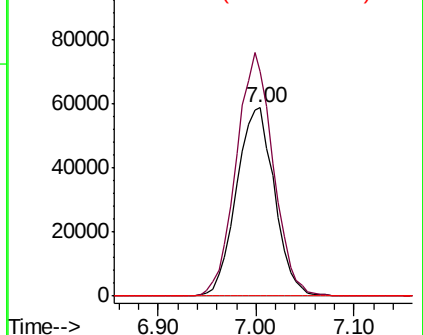


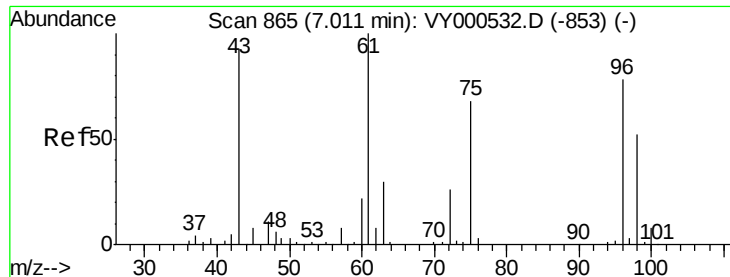
#20
 cis-1,2-Dichloroethene
 Concen: 26.610 ug/L
 RT: 7.00 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VY000532.D
 Acq: 05 Nov 2019 10:28

Tgt Ion: 96 Resp: 159039
 Ion Ratio Lower Upper
 96 100
 61 119.5 83.7 155.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 68.00 (67.70 to 68.70): VY0





#22

2-Butanone

Concen: 44.675 ug/L

RT: 7.01 min Scan# 865

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

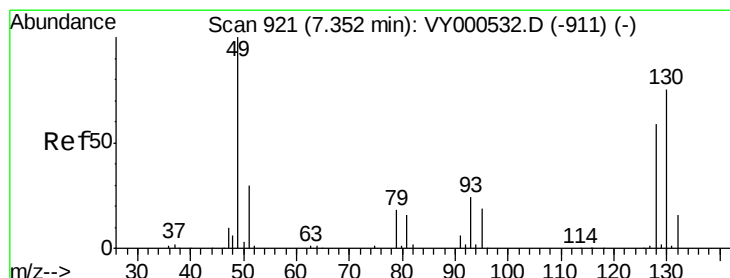
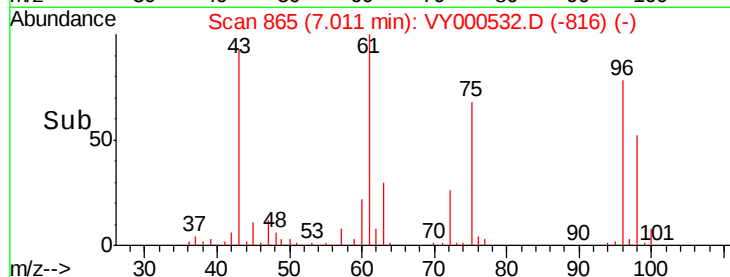
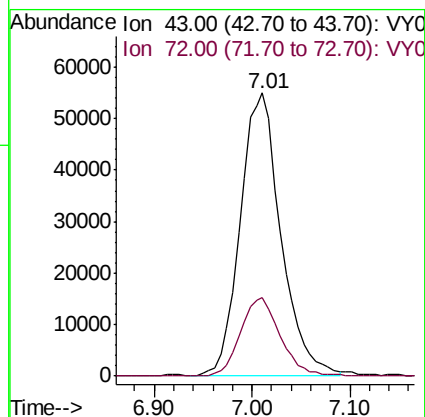
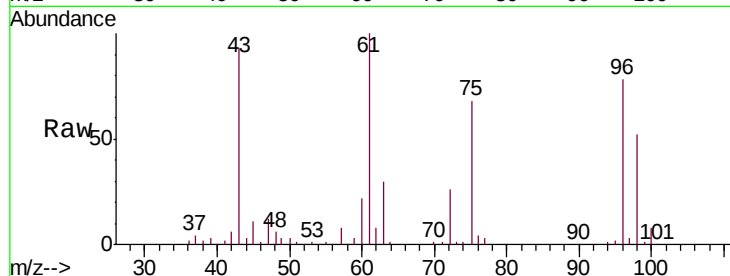
VSTD025791

Tgt Ion: 43 Resp: 157975

Ion Ratio Lower Upper

43 100

72 27.2 13.6 40.8



#23

Bromochloromethane

Concen: 26.068 ug/L

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Tgt Ion: 128 Resp: 70040

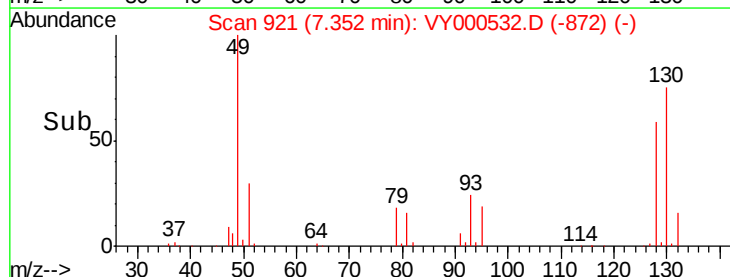
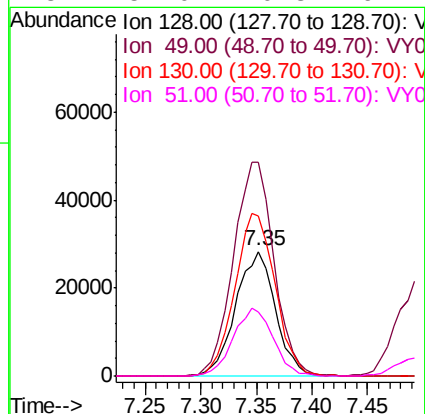
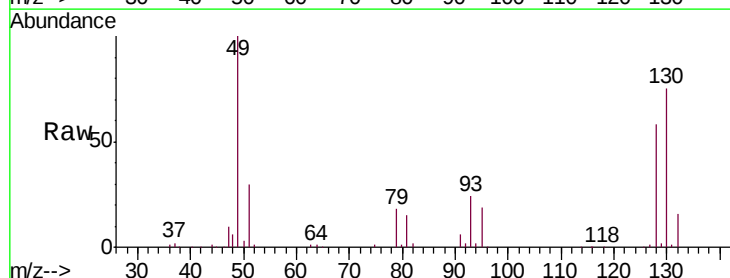
Ion Ratio Lower Upper

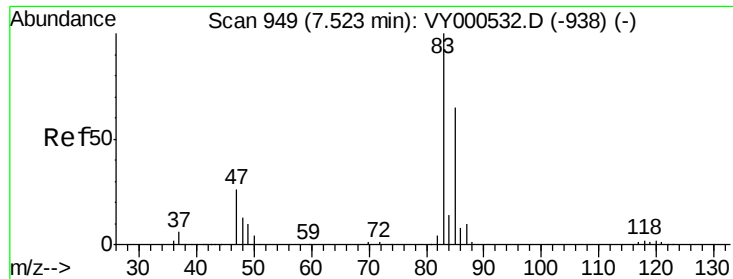
128 100

49 171.1 119.8 222.4

130 128.3 89.8 166.8

51 51.0 40.8 61.2

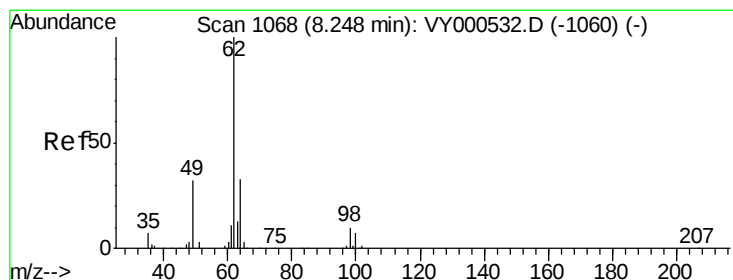
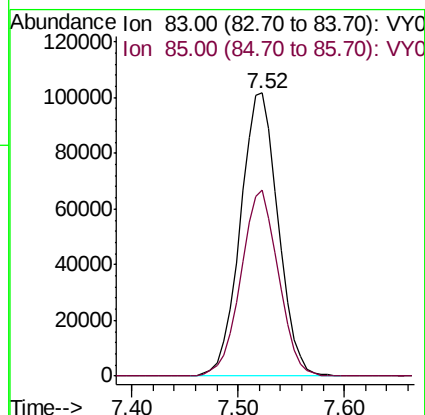
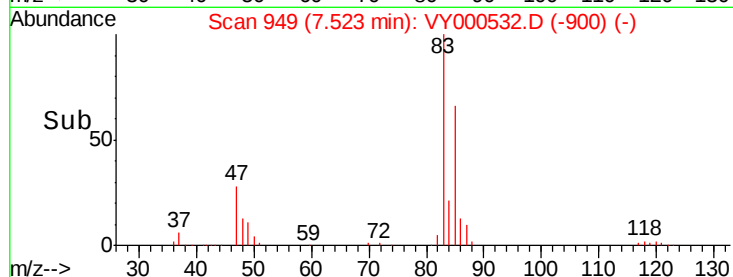
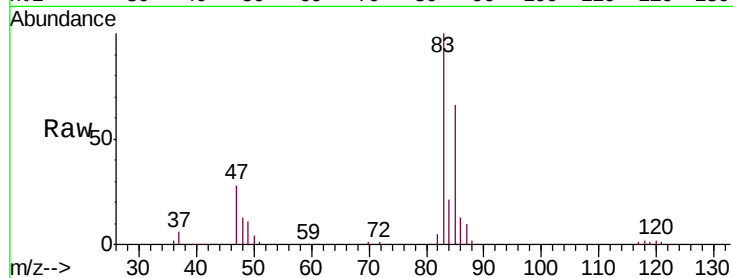




#25
Chloroform
Concen: 26.230 ug/L
RT: 7.52 min Scan# 949
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

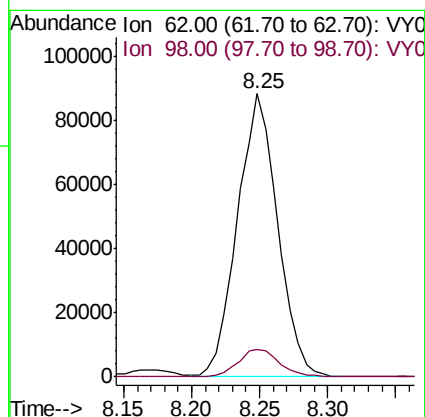
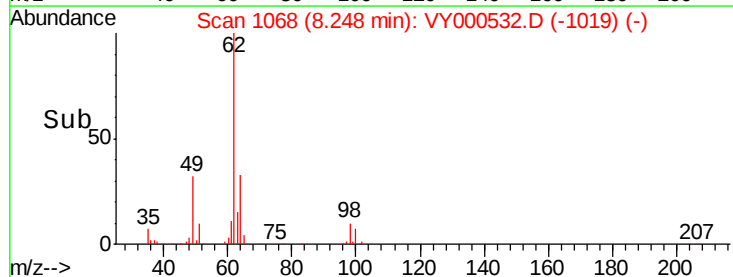
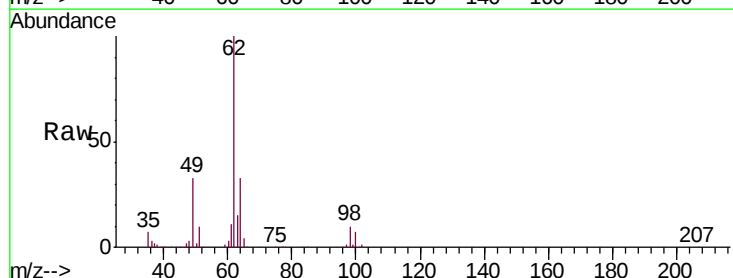
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025791

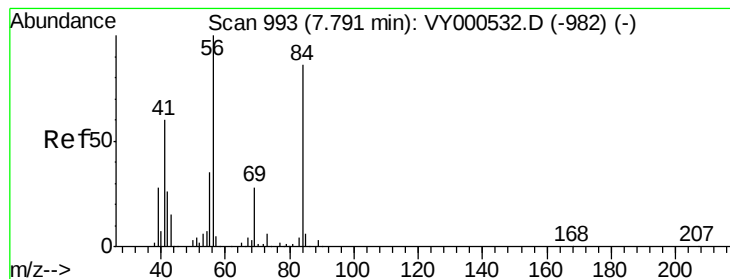
Tgt Ion: 83 Resp: 253490
Ion Ratio Lower Upper
83 100
85 65.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.453 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

Tgt Ion: 62 Resp: 182613
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8





#29

Cyclohexane

Concen: 26.092 ug/L

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025791

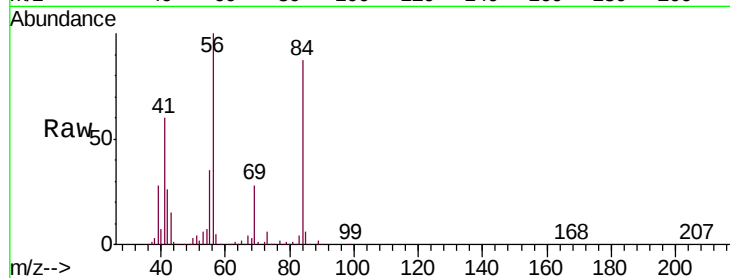
Tgt Ion: 56 Resp: 247058

Ion Ratio Lower Upper

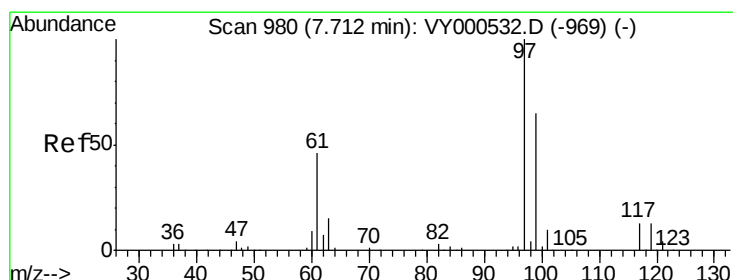
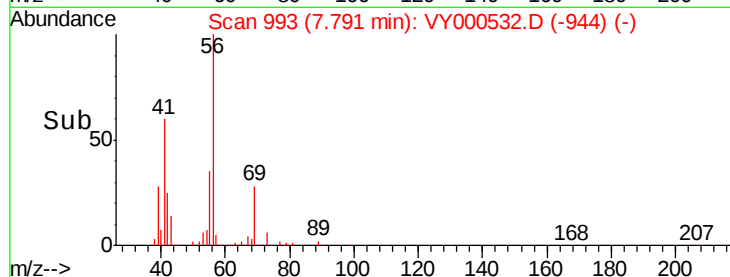
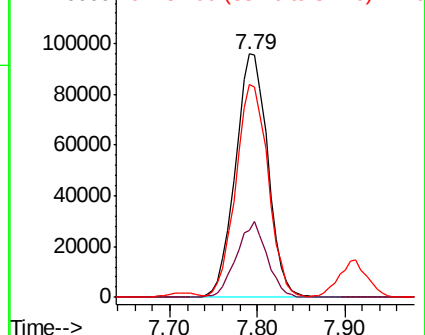
56 100

69 29.3 23.4 35.2

84 87.7 70.2 105.2



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#30

1,1,1-Trichloroethane

Concen: 26.382 ug/L

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

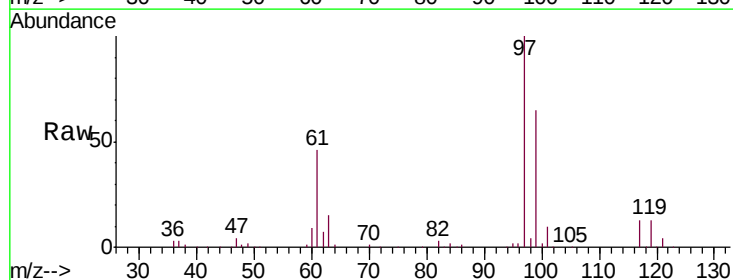
Tgt Ion: 97 Resp: 220599

Ion Ratio Lower Upper

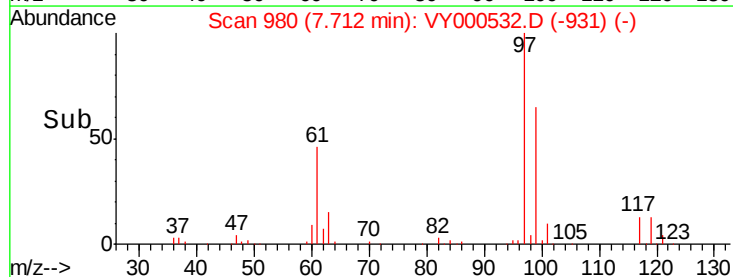
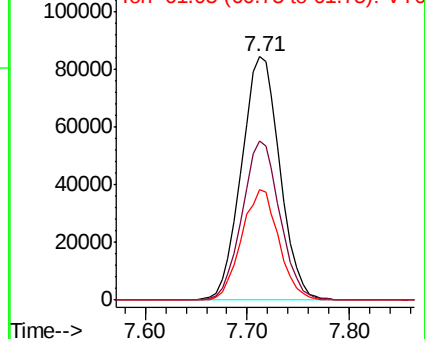
97 100

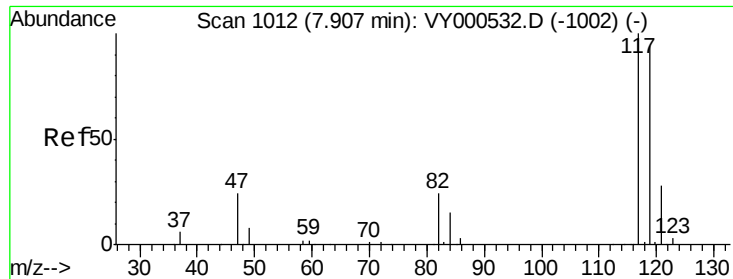
99 64.2 51.4 77.0

61 44.2 35.4 53.0



Abundance Ion 97.00 (96.70 to 97.70): VY0
Ion 99.00 (98.70 to 99.70): VY0
Ion 61.05 (60.75 to 61.75): VY0





#31

Carbon tetrachloride

Concen: 25.973 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

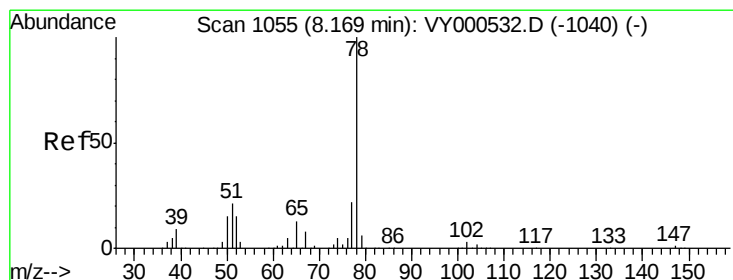
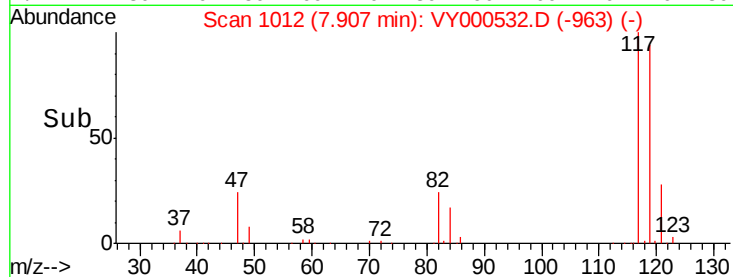
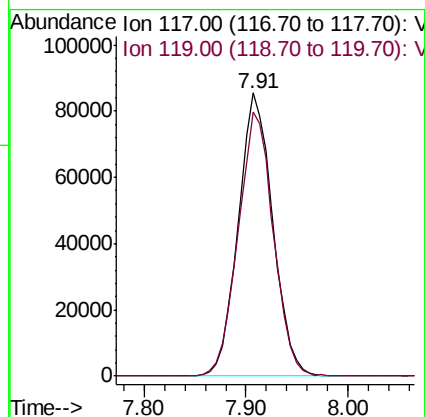
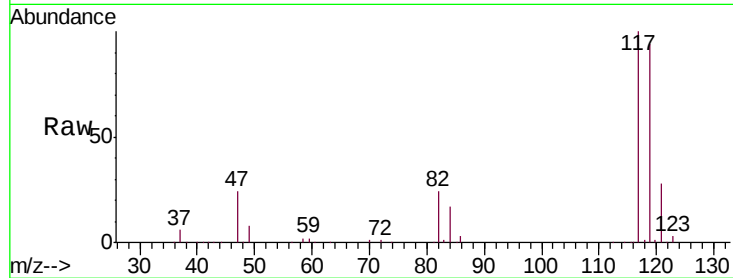
VSTD025791

Tgt Ion:117 Resp: 200276

Ion Ratio Lower Upper

117 100

119 95.2 76.2 114.2



#33

Benzene

Concen: 25.885 ug/L

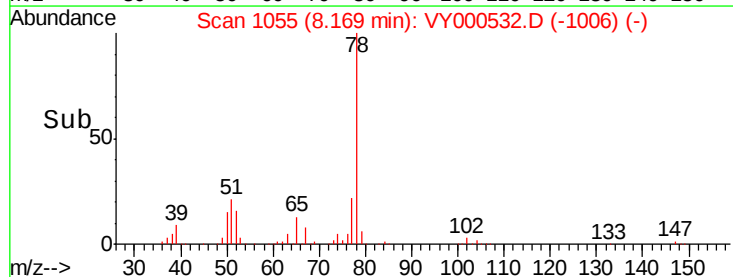
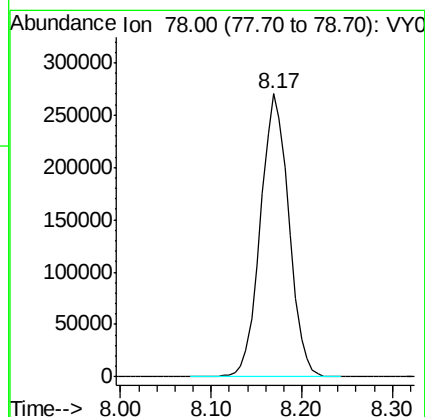
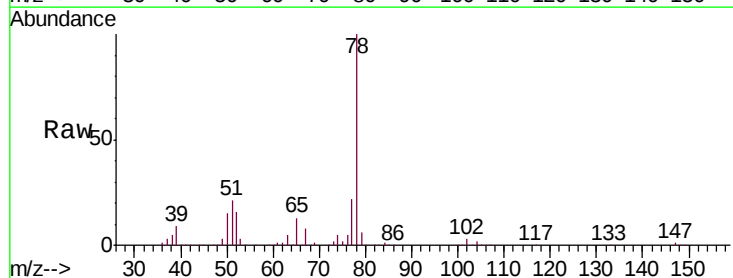
RT: 8.17 min Scan# 1055

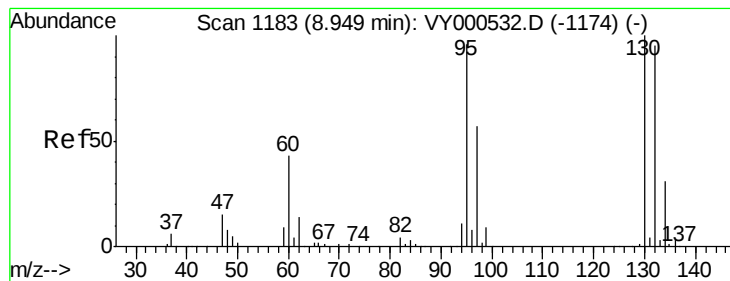
Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Tgt Ion: 78 Resp: 589316





#34

Trichloroethene

Concen: 25.785 ug/L

RT: 8.95 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025791

Tgt Ion: 95 Resp: 154922

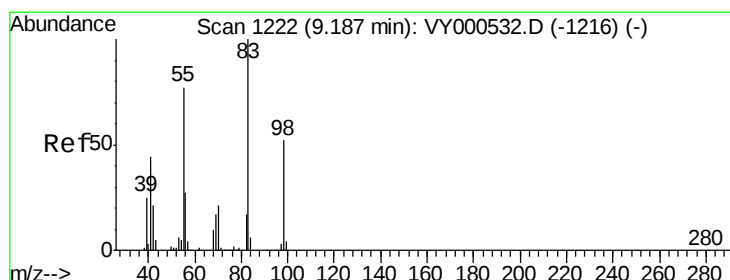
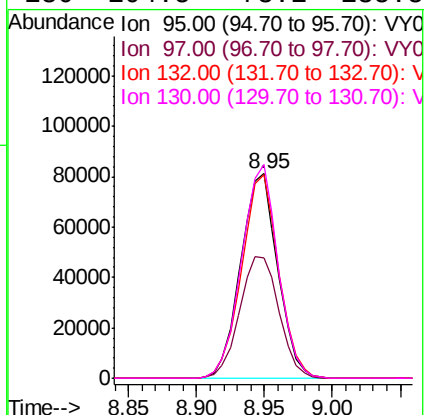
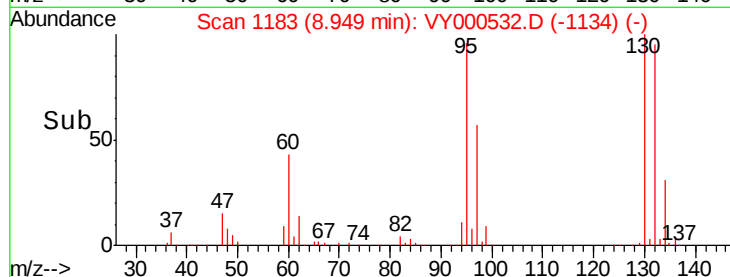
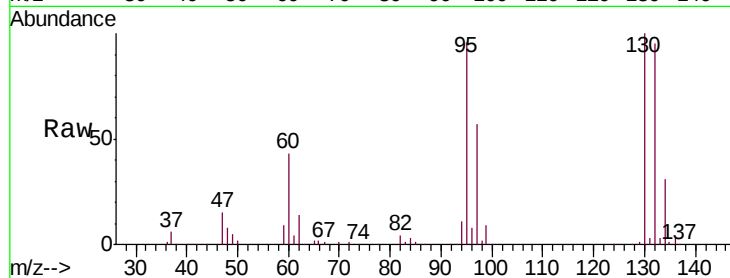
Ion Ratio Lower Upper

95 100

97 59.1 41.4 76.8

132 99.5 69.7 129.4

130 104.5 73.1 135.8



#35

Methylcyclohexane

Concen: 26.498 ug/L

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

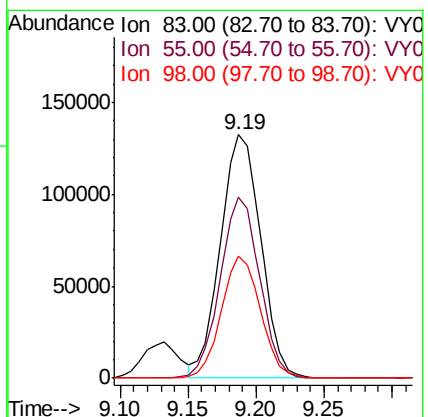
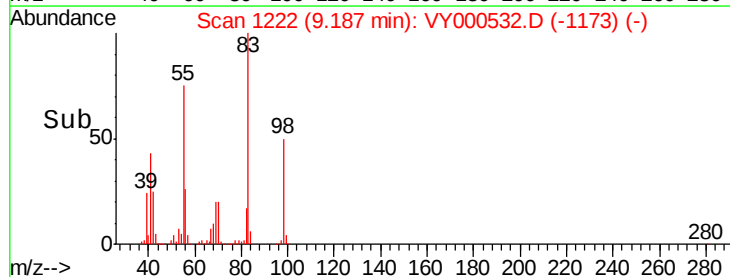
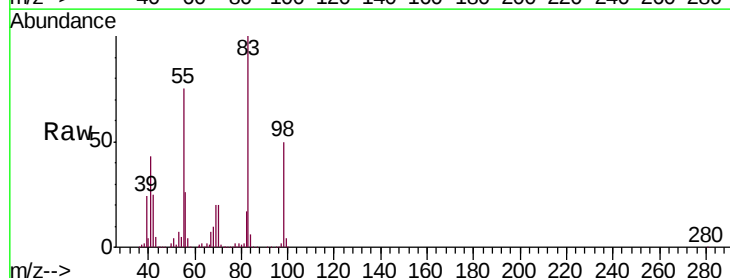
Tgt Ion: 83 Resp: 273468

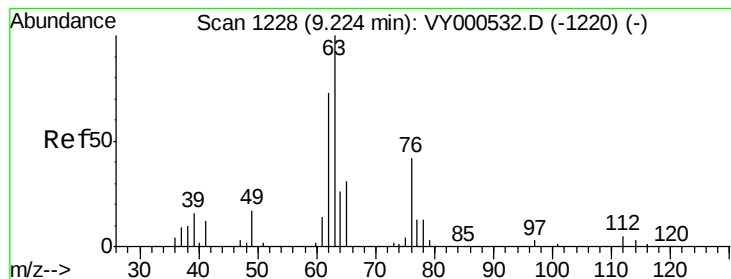
Ion Ratio Lower Upper

83 100

55 72.3 57.8 86.8

98 48.4 38.7 58.1





#37

1,2-Dichloropropane

Concen: 25.401 ug/L

RT: 9.22 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

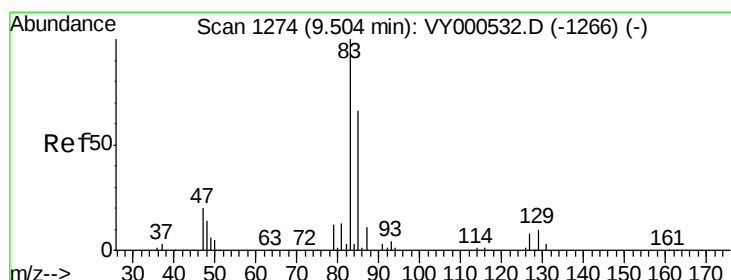
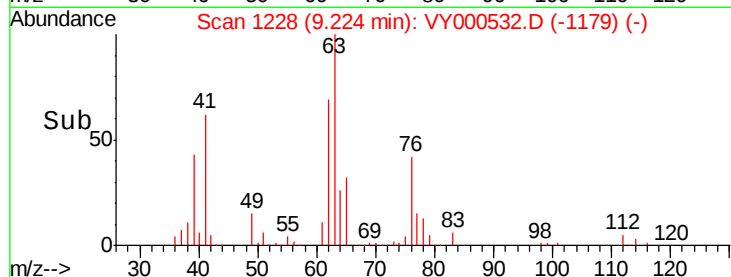
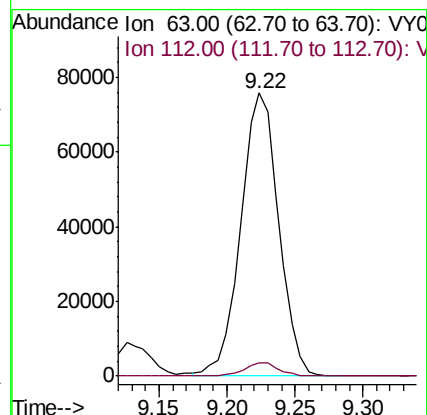
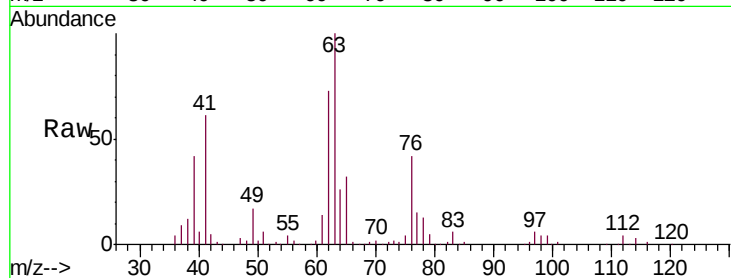
VSTD025791

Tgt Ion: 63 Resp: 147538

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 26.431 ug/L

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

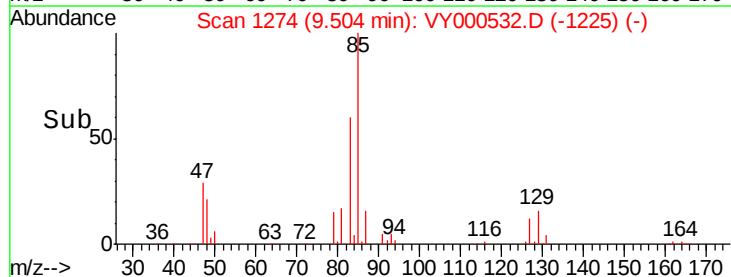
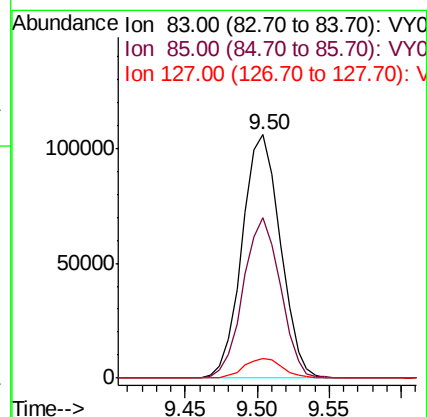
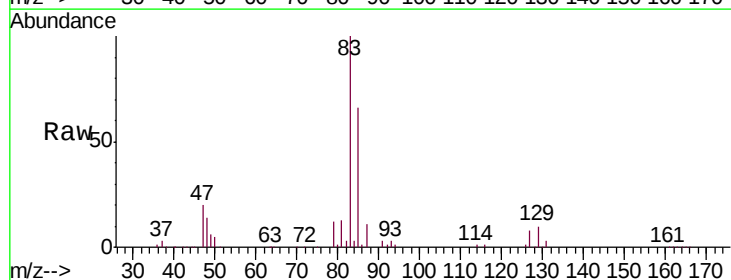
Tgt Ion: 83 Resp: 195326

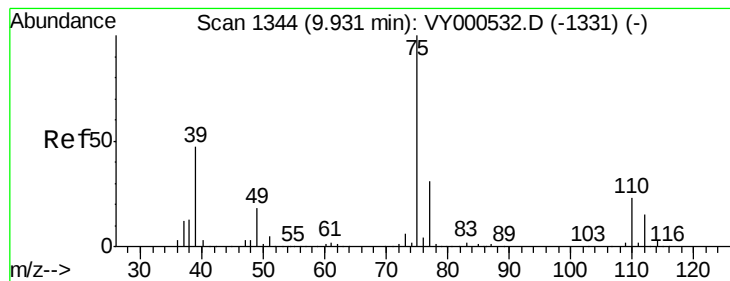
Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7

127 8.1 6.5 9.7



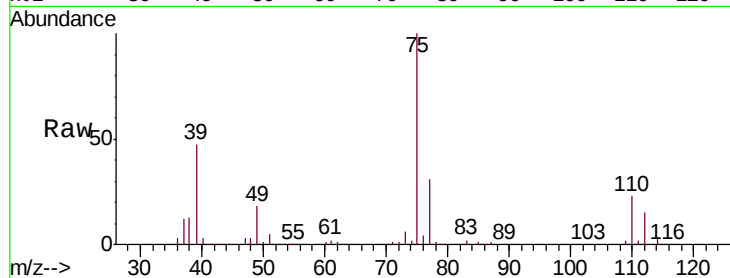


#39

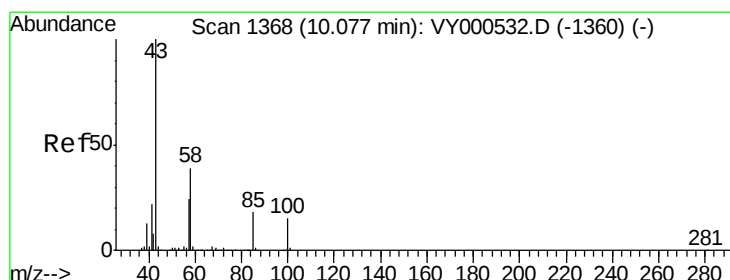
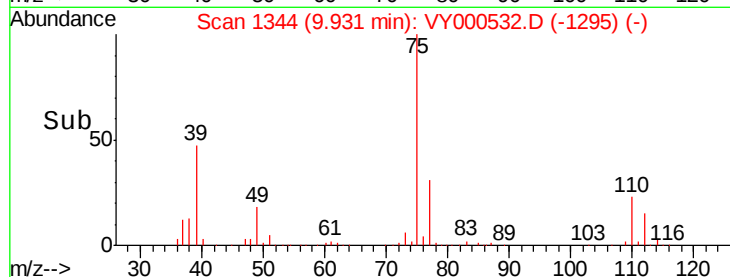
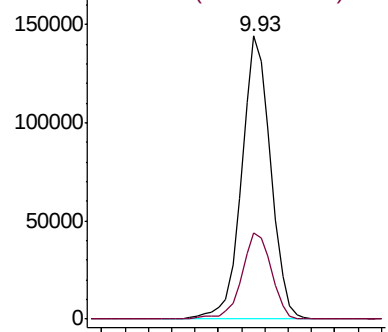
cis-1,3-Dichloropropene
Concen: 26.750 ug/L
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTD025791

Tgt Ion: 75 Resp: 248969
Ion Ratio Lower Upper
75 100
77 30.5 21.3 39.6



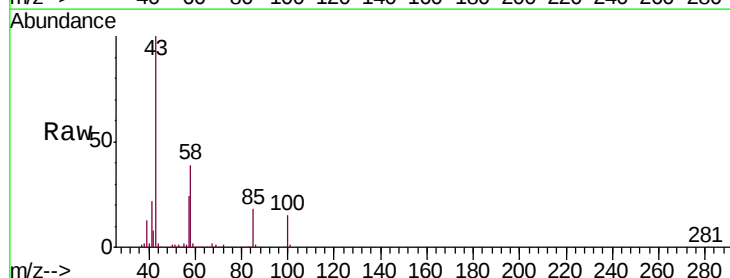
Abundance Ion 75.00 (74.70 to 75.70): VY0
Ion 77.00 (76.70 to 77.70): VY0



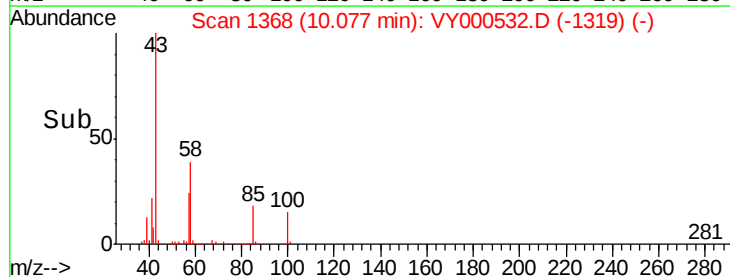
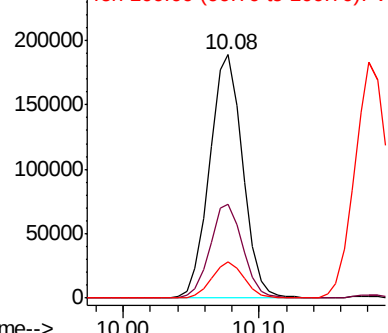
#40

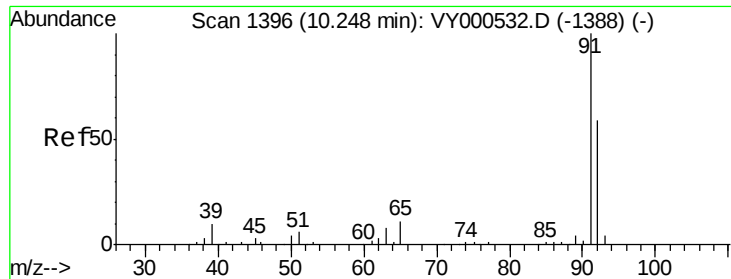
4-Methyl-2-pentanone
Concen: 50.282 ug/L
RT: 10.08 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

Tgt Ion: 43 Resp: 321833
Ion Ratio Lower Upper
43 100
58 38.2 30.6 45.8
100 14.5 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 26.174 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

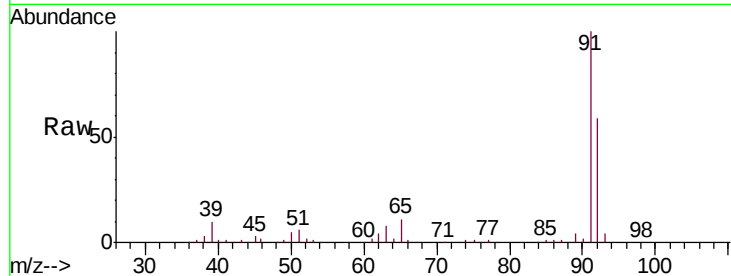
VSTD025791

Tgt Ion: 91 Resp: 636364

Ion Ratio Lower Upper

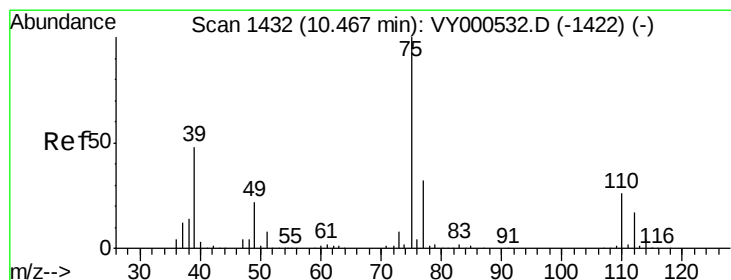
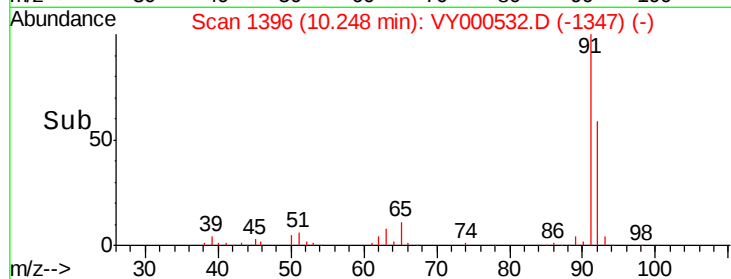
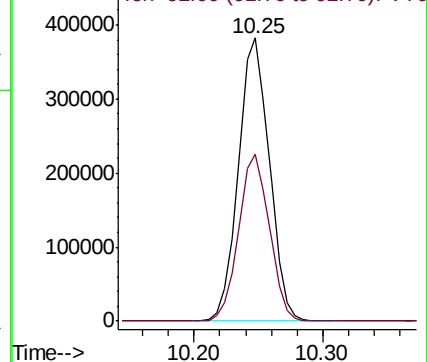
91 100

92 58.9 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#44

trans-1,3-Dichloropropene

Concen: 26.334 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000532.D

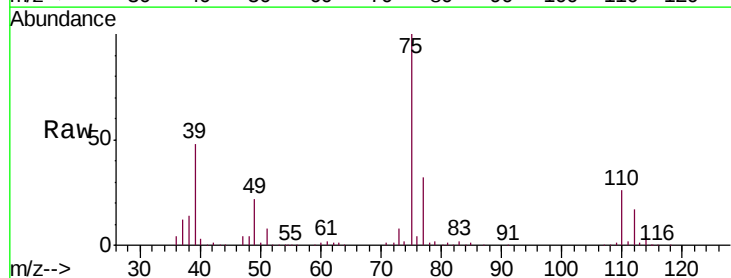
Acq: 05 Nov 2019 10:28

Tgt Ion: 75 Resp: 216595

Ion Ratio Lower Upper

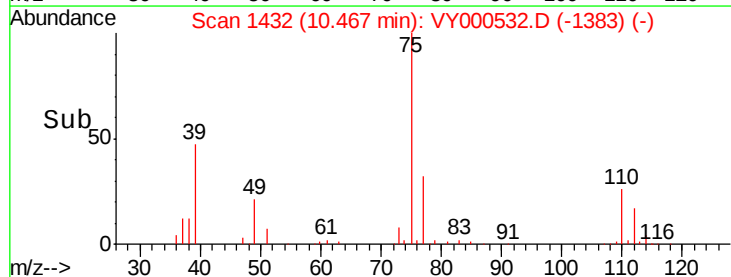
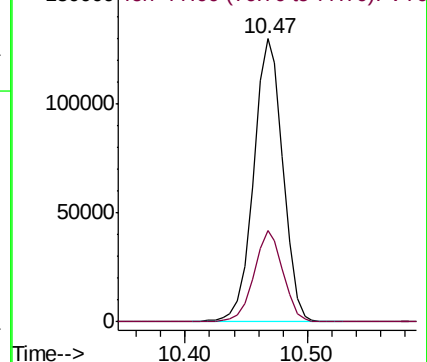
75 100

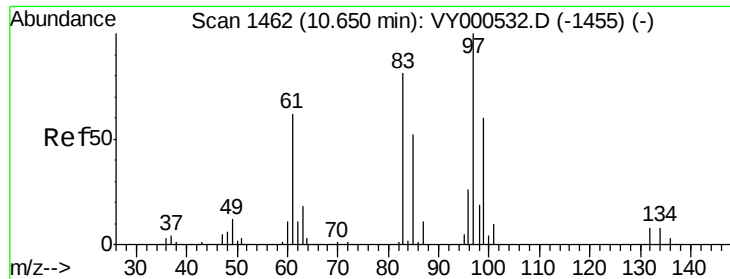
77 32.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

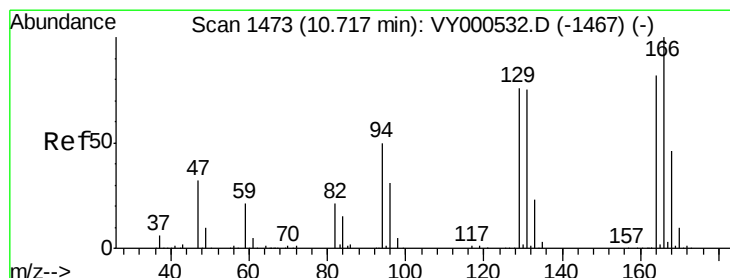
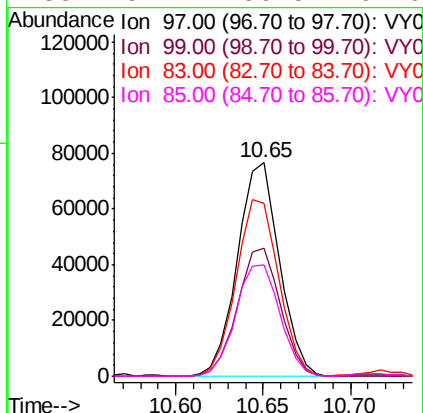
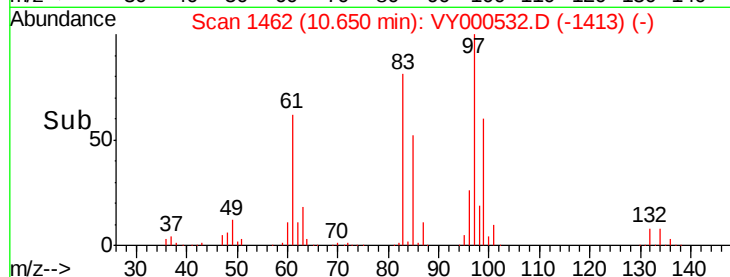
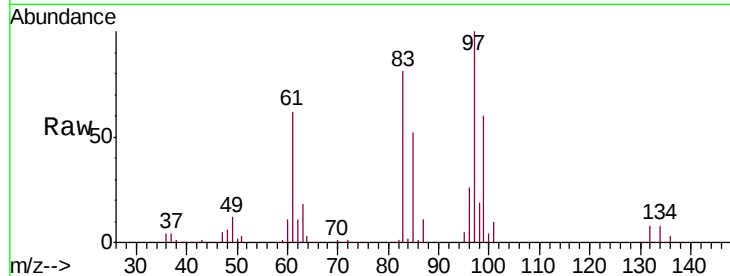




#45
1,1,2-Trichloroethane
Concen: 26.063 ug/L
RT: 10.65 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

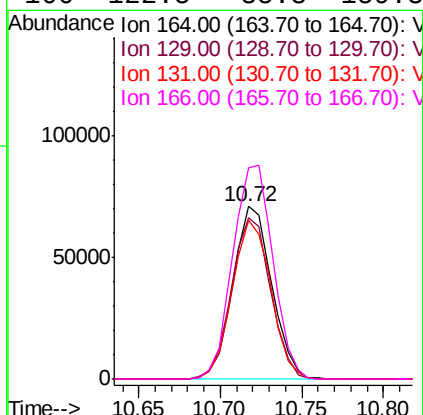
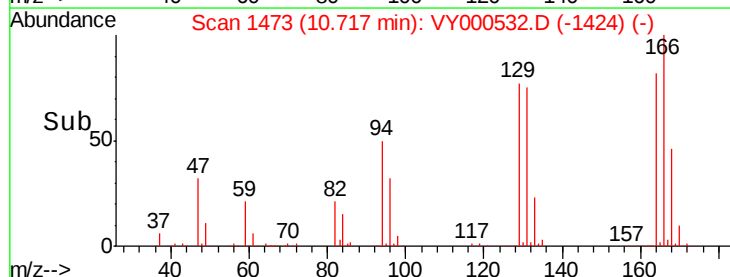
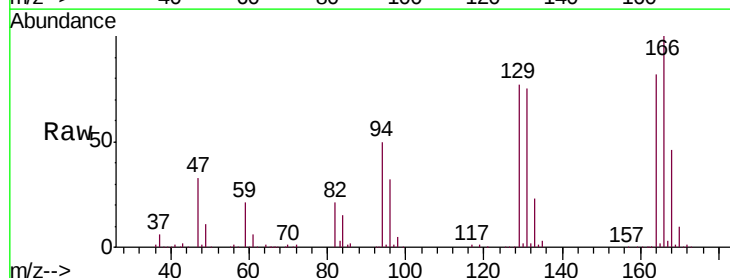
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025791

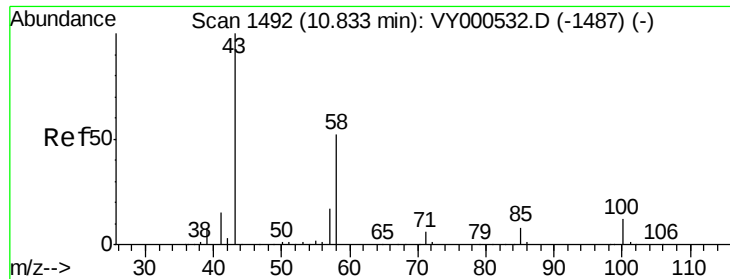
Tgt Ion:	97	Resp:	128511
Ion	Ratio	Lower	Upper
97	100		
99	60.1	42.1	78.1
83	81.2	56.8	105.6
85	52.2	36.5	67.9



#46
Tetrachloroethene
Concen: 25.597 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

Tgt Ion:	164	Resp:	117396
Ion	Ratio	Lower	Upper
164	100		
129	93.8	65.7	121.9
131	92.4	64.7	120.1
166	122.5	85.8	159.3

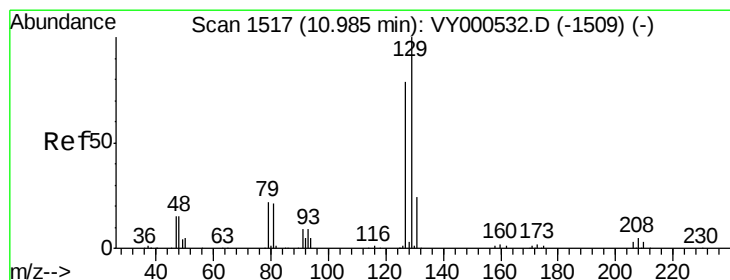
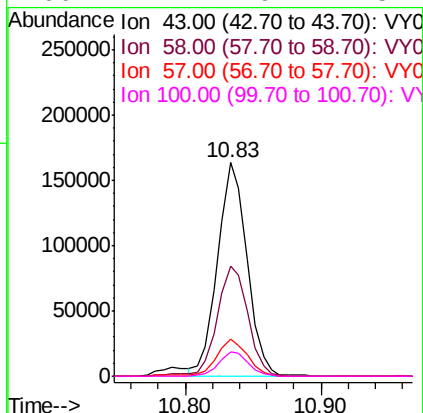
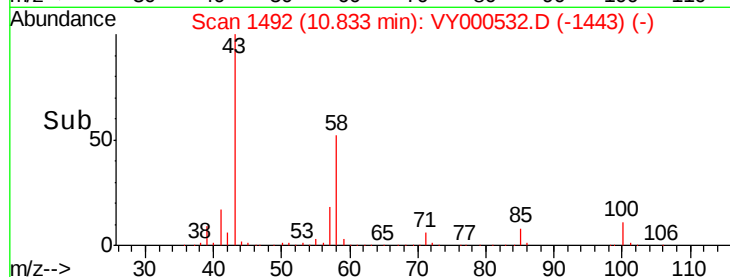
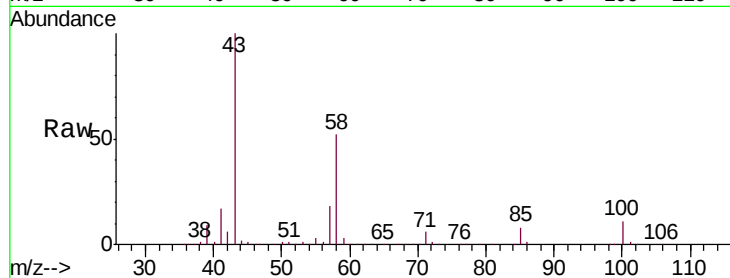




#48
2-Hexanone
Concen: 49.324 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

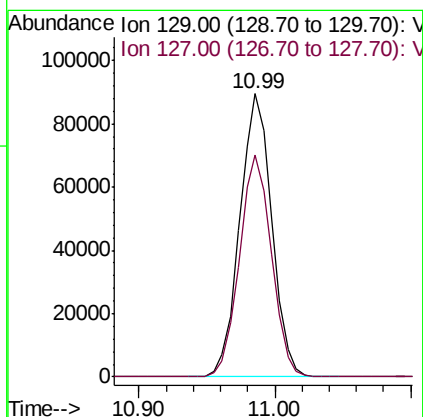
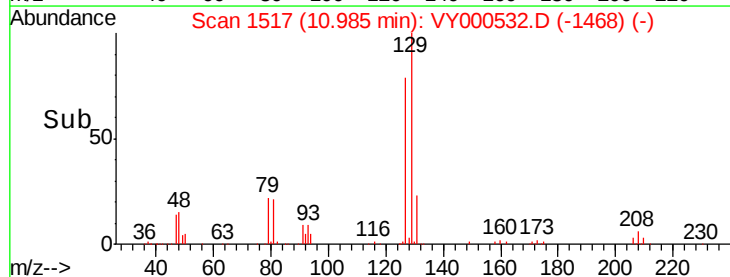
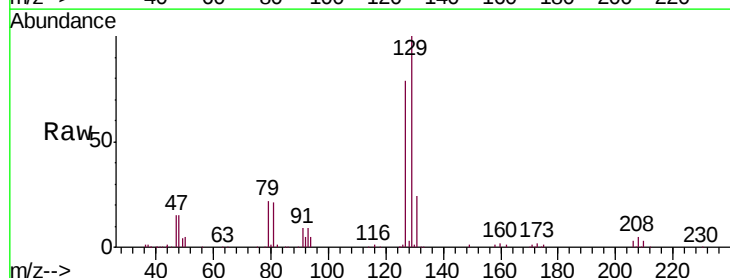
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025791

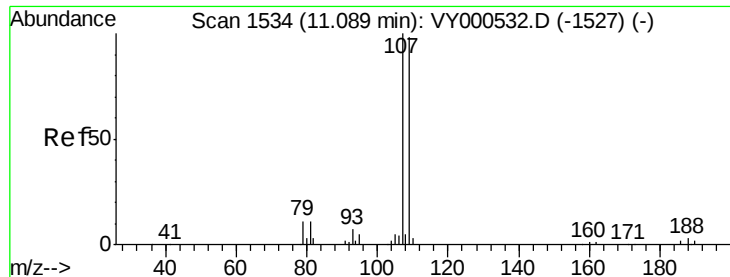
Tgt Ion: 43 Resp: 246798
Ion Ratio Lower Upper
43 100
58 53.1 42.5 63.7
57 17.8 14.2 21.4
100 11.4 9.1 13.7



#49
Dibromochloromethane
Concen: 26.387 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

Tgt Ion: 129 Resp: 146603
Ion Ratio Lower Upper
129 100
127 78.5 54.9 102.1

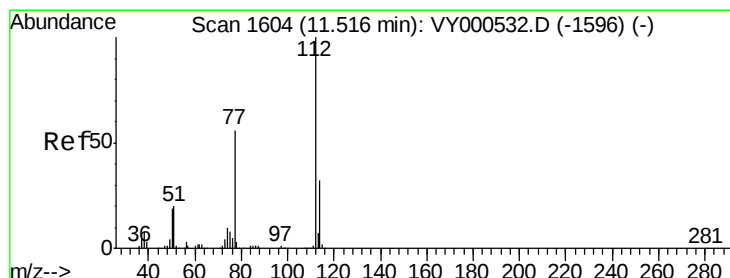
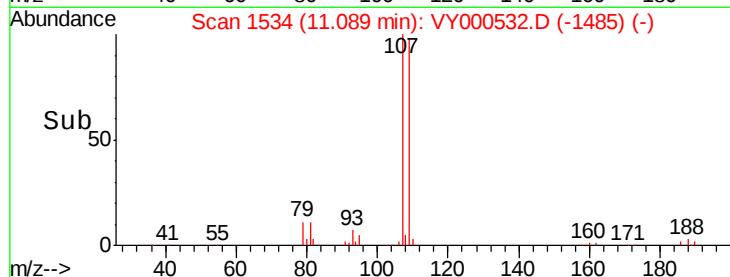
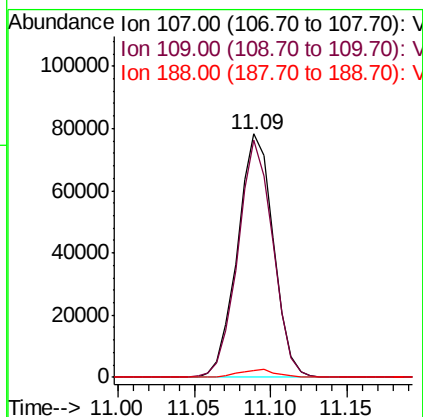
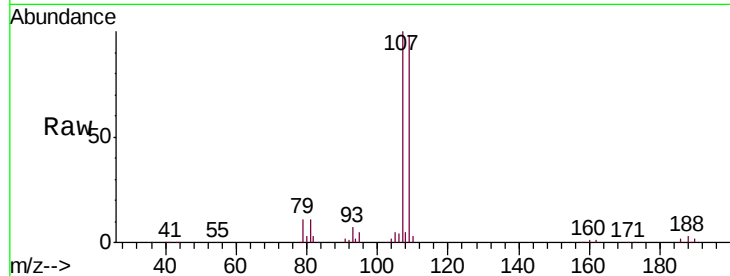




#50
1,2-Dibromoethane
Concen: 25.495 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

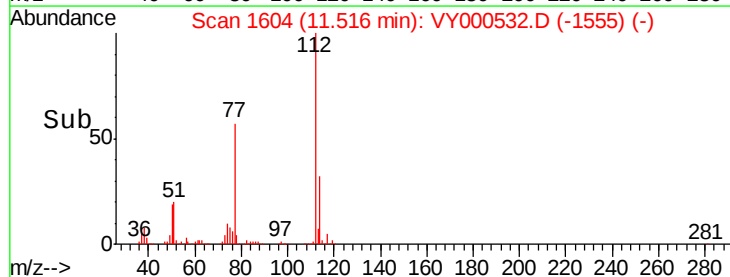
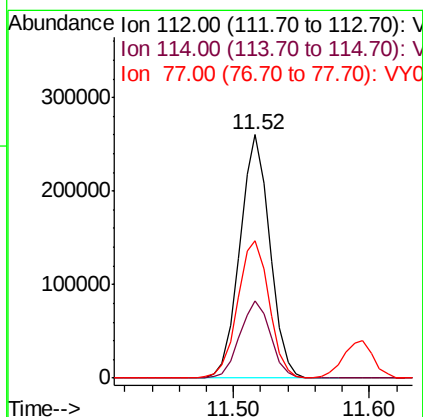
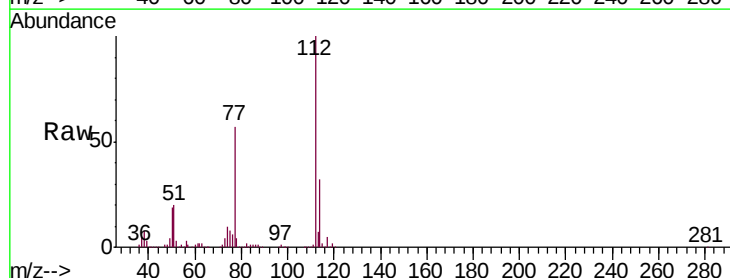
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025791

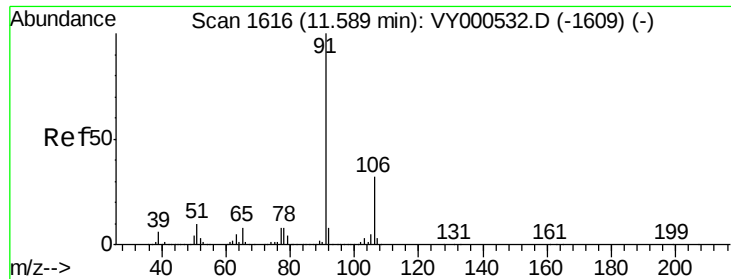
Tgt Ion:107 Resp: 127136
Ion Ratio Lower Upper
107 100
109 97.6 68.3 126.9
188 2.7 2.2 3.2



#51
Chlorobenzene
Concen: 25.848 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

Tgt Ion:112 Resp: 401412
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 56.6 45.3 67.9





#52

Ethylbenzene

Concen: 26.029 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

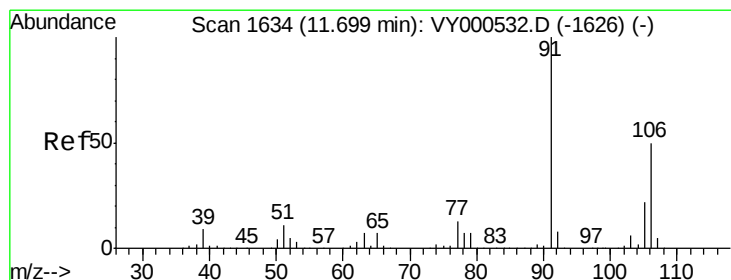
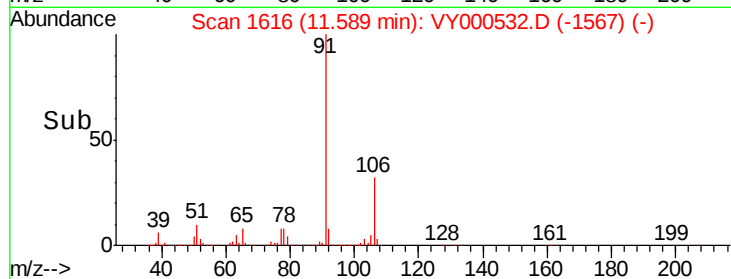
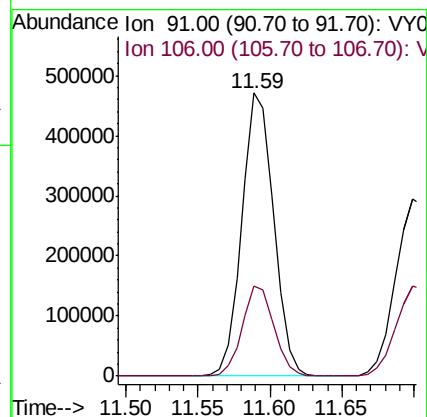
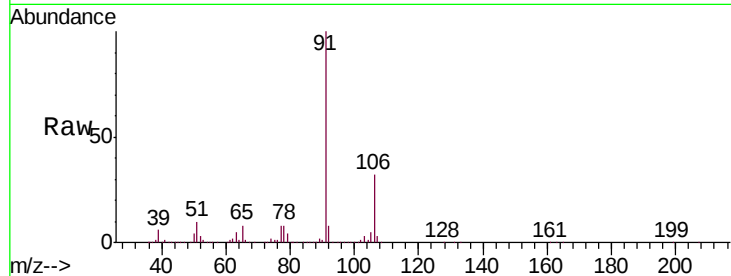
VSTD025791

Tgt Ion: 91 Resp: 721948

Ion Ratio Lower Upper

91 100

106 31.7 22.2 41.2



#53

m,p-Xylene

Concen: 26.290 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000532.D

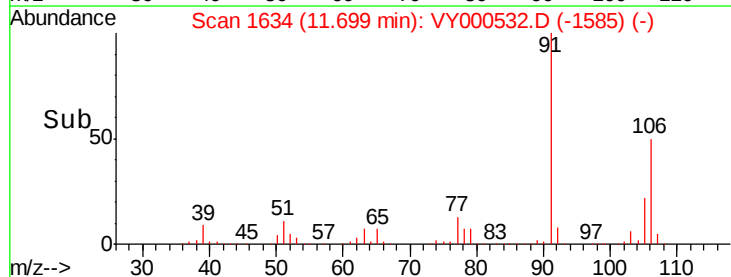
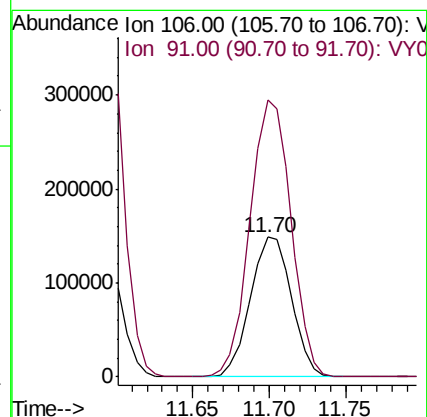
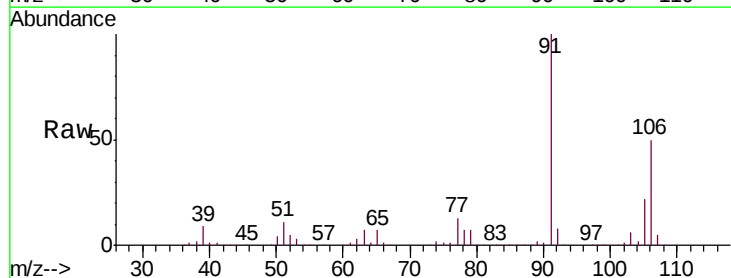
Acq: 05 Nov 2019 10:28

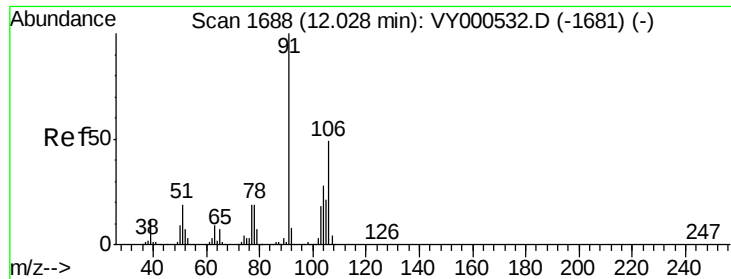
Tgt Ion: 106 Resp: 279416

Ion Ratio Lower Upper

106 100

91 198.3 138.8 257.8

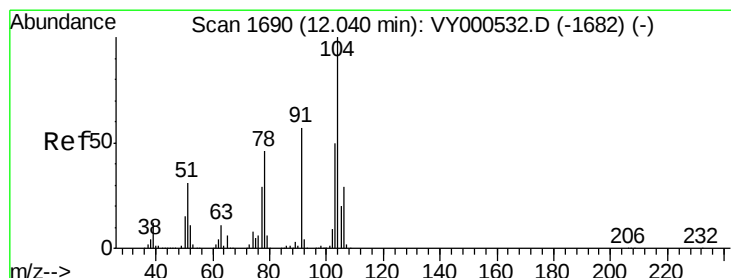
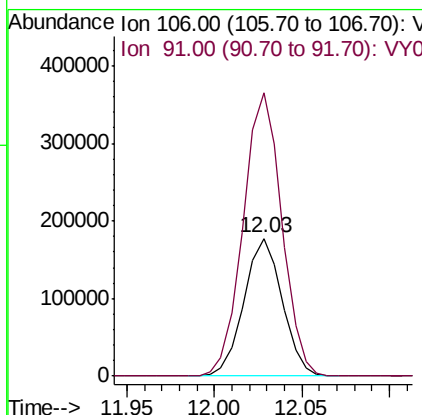
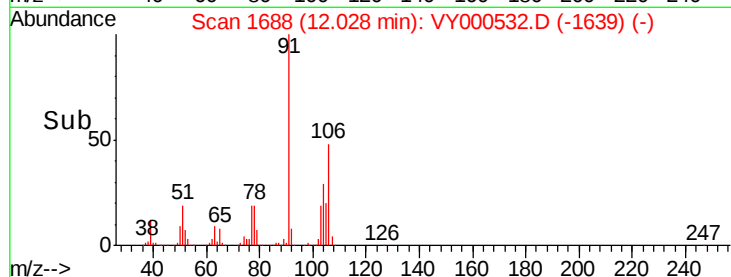
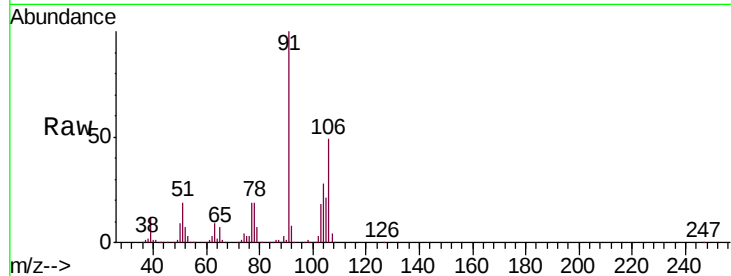




#54
o-Xylene
Concen: 26.256 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

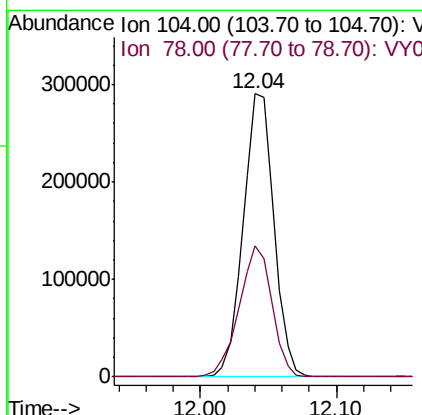
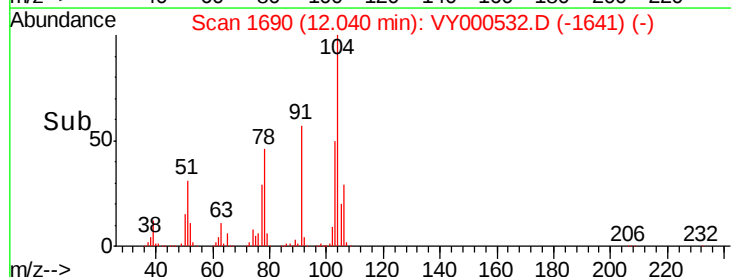
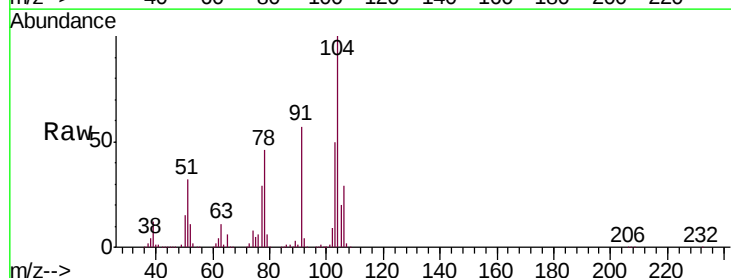
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025791

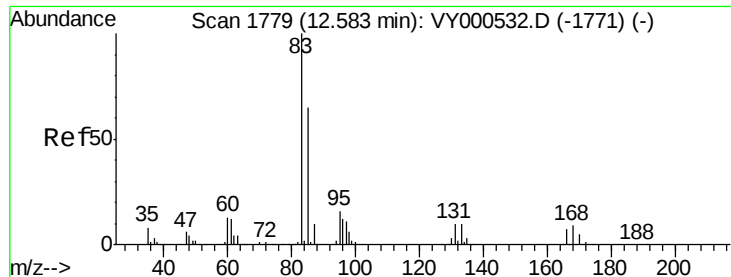
Tgt Ion:106 Resp: 271016
Ion Ratio Lower Upper
106 100
91 205.1 143.6 266.6



#55
Styrene
Concen: 26.332 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000532.D
Acq: 05 Nov 2019 10:28

Tgt Ion:104 Resp: 459659
Ion Ratio Lower Upper
104 100
78 46.2 32.3 60.1





#57

1,1,2,2-Tetrachloroethane

Concen: 26.014 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025791

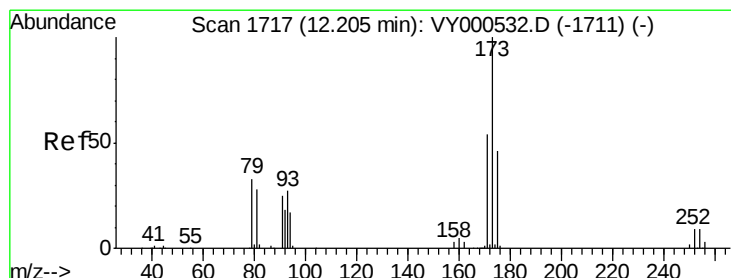
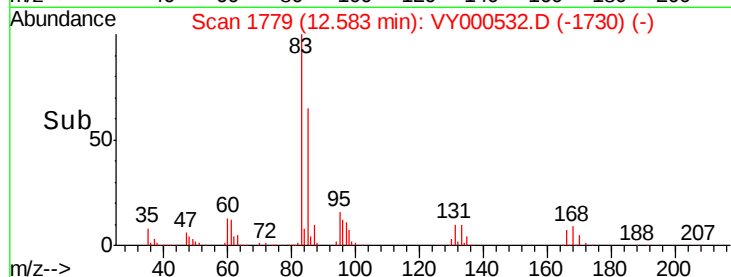
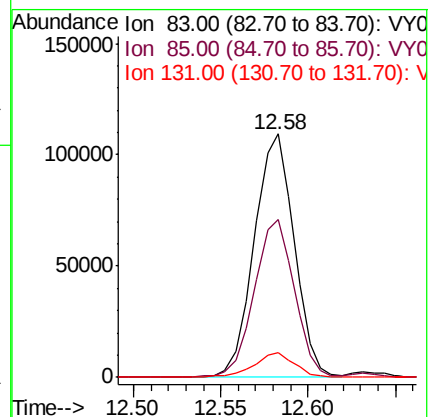
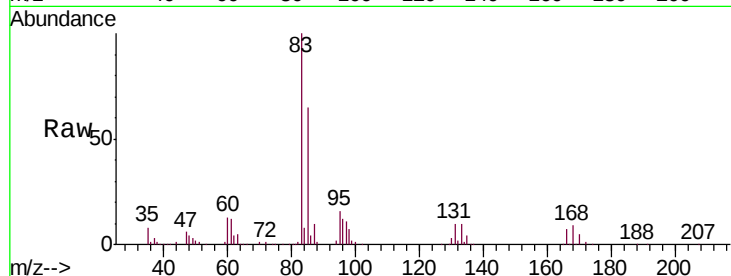
Tgt Ion: 83 Resp: 173875

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

131 9.9 7.9 11.9



#59

Bromoform

Concen: 26.081 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

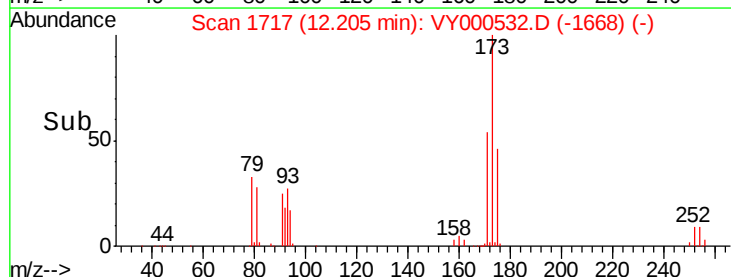
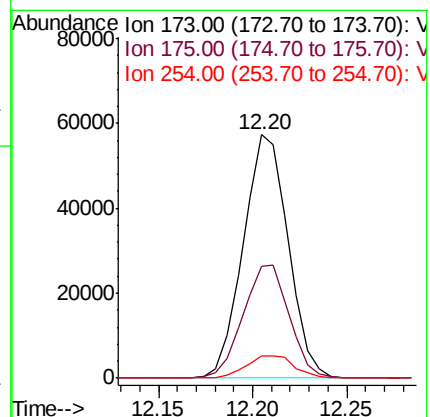
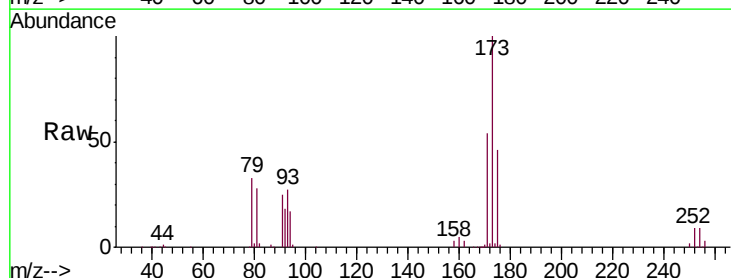
Tgt Ion: 173 Resp: 94592

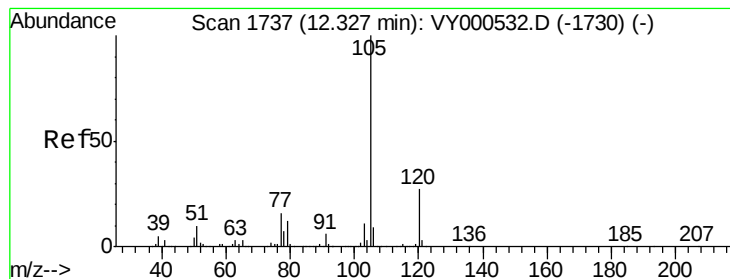
Ion Ratio Lower Upper

173 100

175 47.7 38.2 57.2

254 9.8 7.8 11.8





#60

Isopropylbenzene

Concen: 25.672 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025791

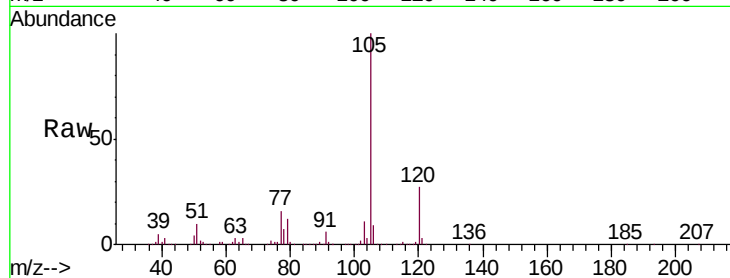
Tgt Ion: 105 Resp: 699010

Ion Ratio Lower Upper

105 100

120 27.3 21.8 32.8

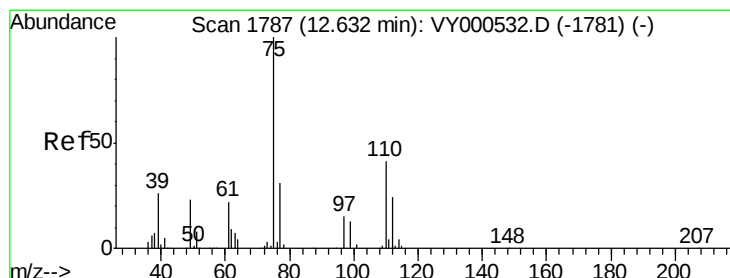
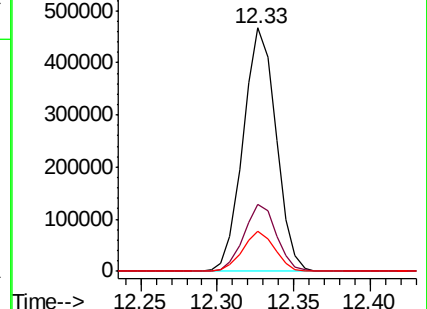
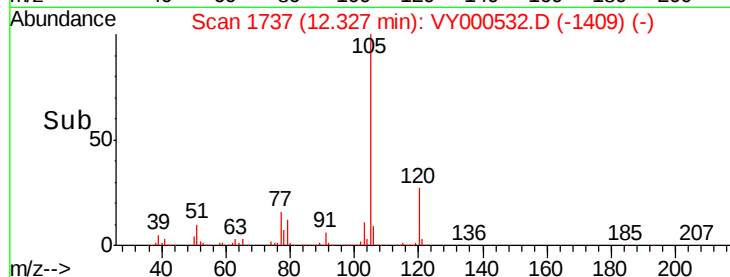
77 15.8 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): VY000532.D (-1730) (-)

Ion 120.00 (119.70 to 120.70): VY000532.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY000532.D (-1730) (-)



#61

1,2,3-Trichloropropane

Concen: 25.656 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

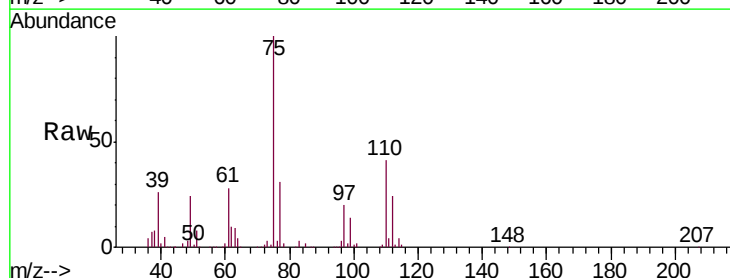
Tgt Ion: 75 Resp: 138924

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

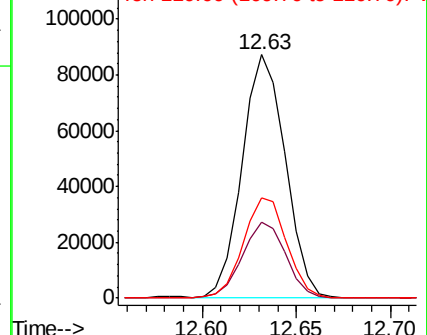
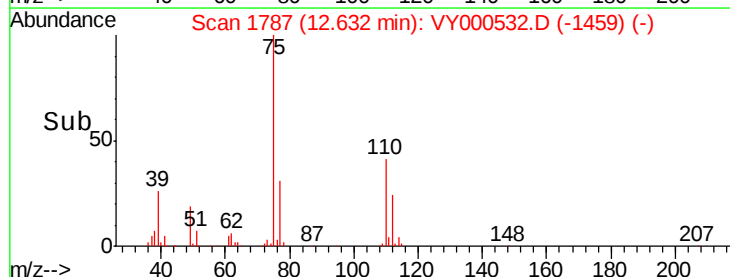
110 41.2 33.0 49.4

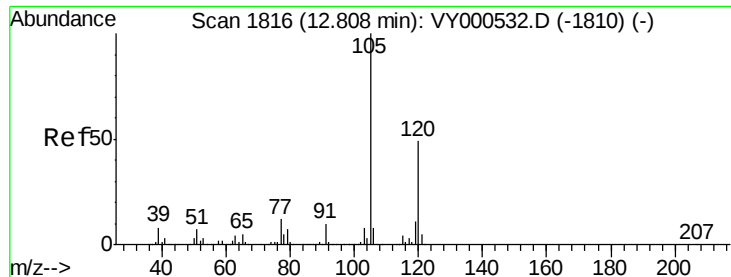


Abundance Ion 75.00 (74.70 to 75.70): VY000532.D (-1781) (-)

Ion 77.00 (76.70 to 77.70): VY000532.D (-1781) (-)

Ion 110.00 (109.70 to 110.70): VY000532.D (-1781) (-)





#62

1,3,5-Trimethylbenzene

Concen: 0.137 ug/L

RT: 12.97 min Scan# 1842

Delta R.T. 0.16 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

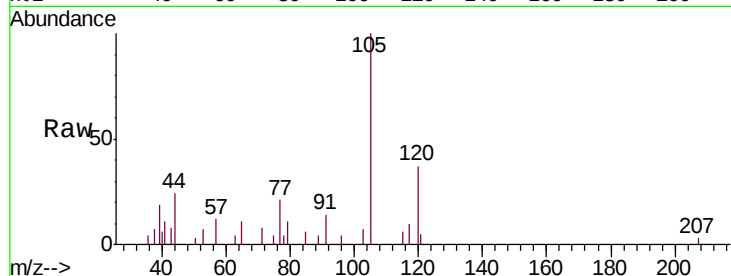
VSTD025791

Tgt Ion:105 Resp: 3610

Ion Ratio Lower Upper

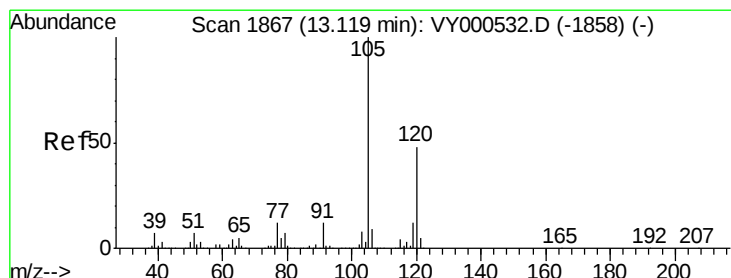
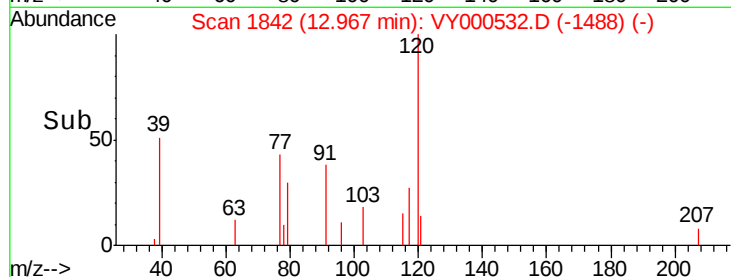
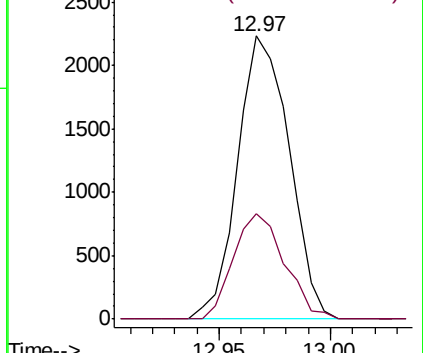
105 100

120 36.9 25.9 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 26.034 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY000532.D

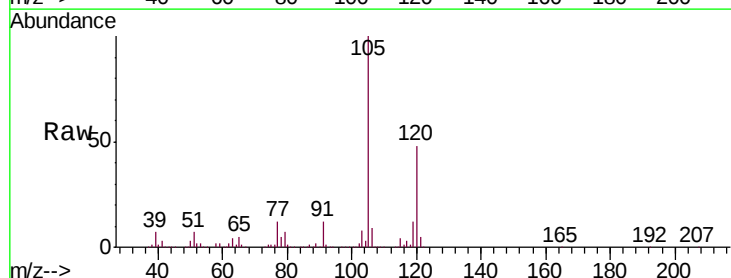
Acq: 05 Nov 2019 10:28

Tgt Ion:105 Resp: 578778

Ion Ratio Lower Upper

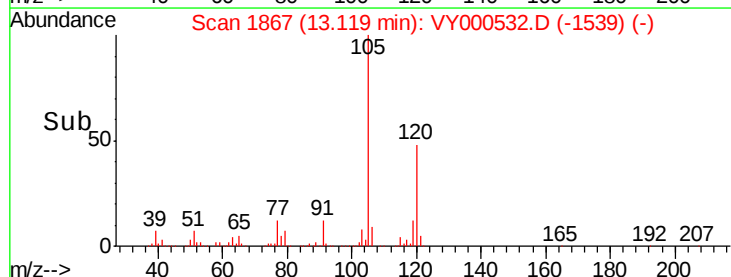
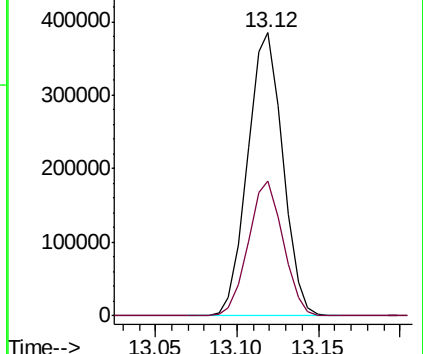
105 100

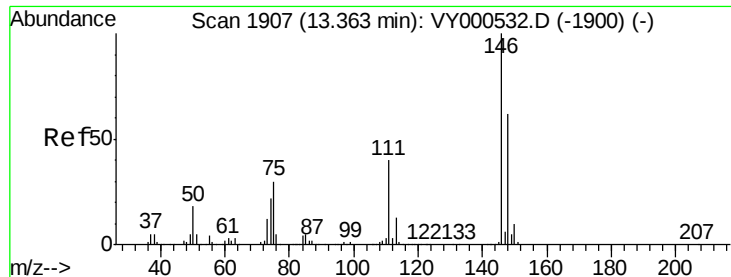
120 47.1 40.3 60.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

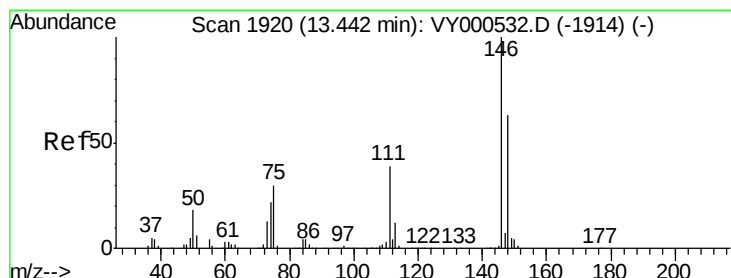
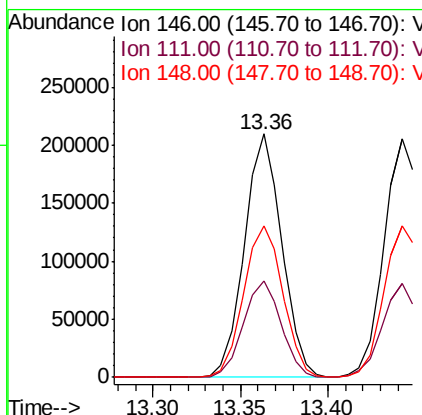
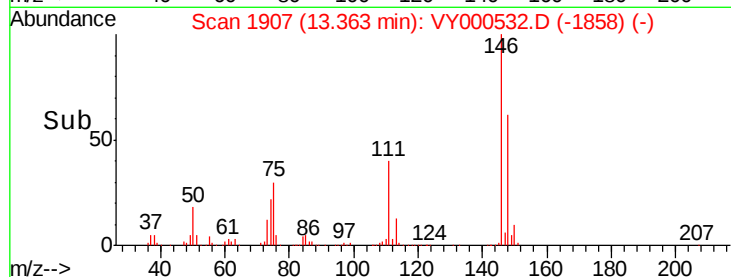
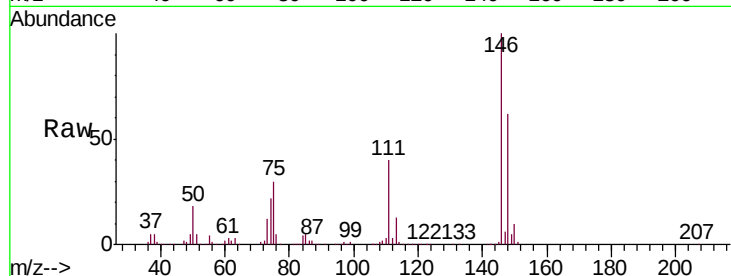




#64
 1,3-Dichlorobenzene
 Concen: 25.525 ug/L
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000532.D
 Acq: 05 Nov 2019 10:28

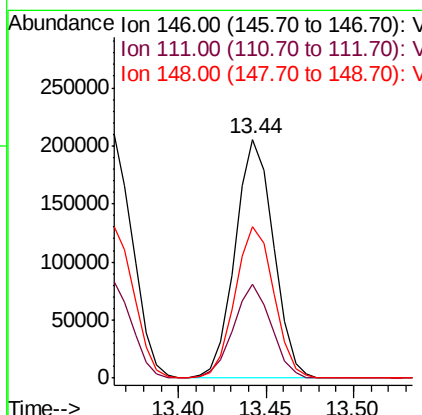
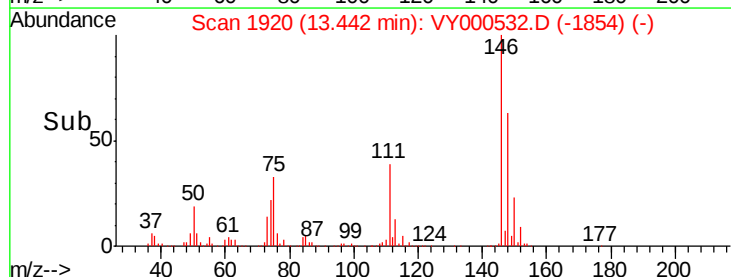
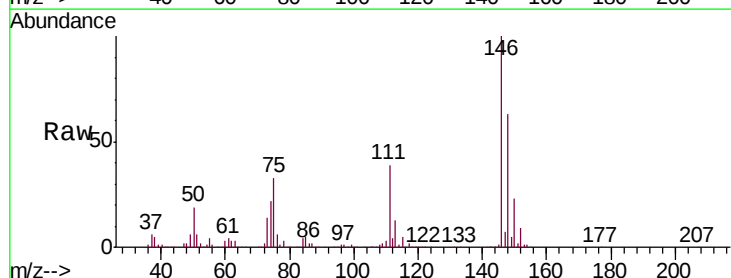
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025791

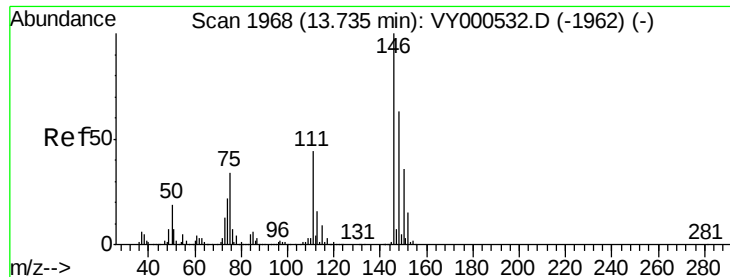
Tgt Ion:146 Resp: 311545
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.9 51.7
 148 62.1 43.5 80.7



#65
 1,4-Dichlorobenzene
 Concen: 25.511 ug/L
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000532.D
 Acq: 05 Nov 2019 10:28

Tgt Ion:146 Resp: 313297
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.4 50.8
 148 63.5 44.4 82.5

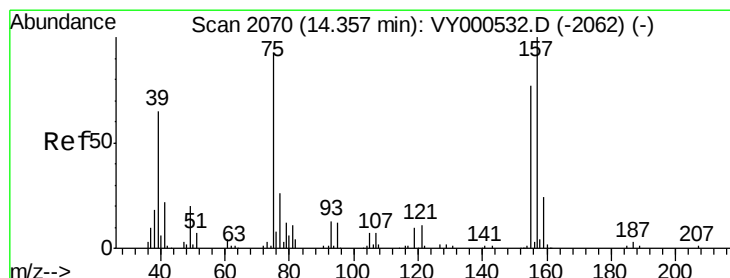
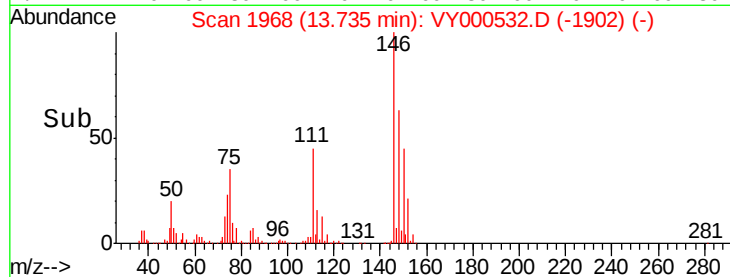
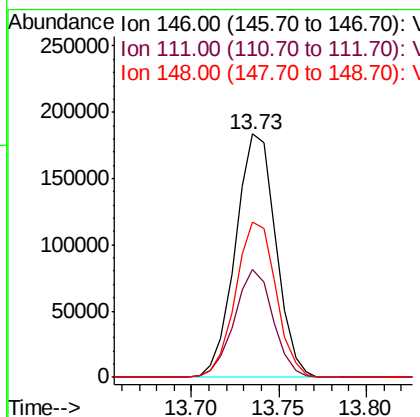
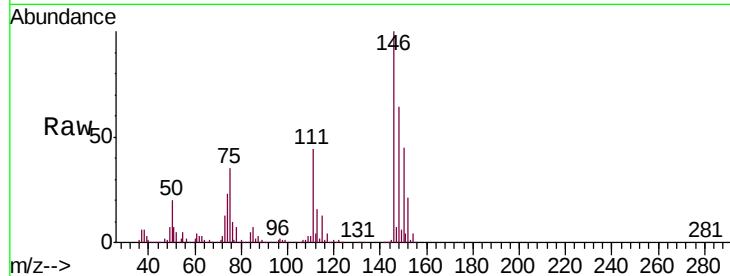




#67
 1,2-Dichlorobenzene
 Concen: 25.706 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY000532.D
 Acq: 05 Nov 2019 10:28

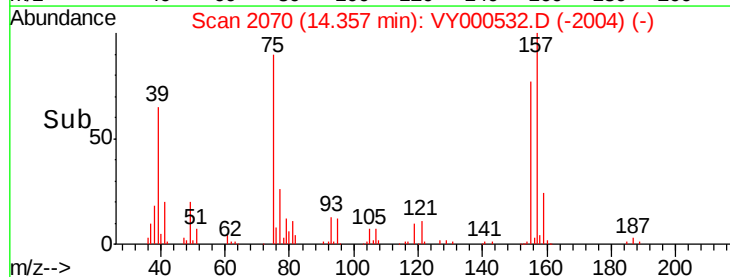
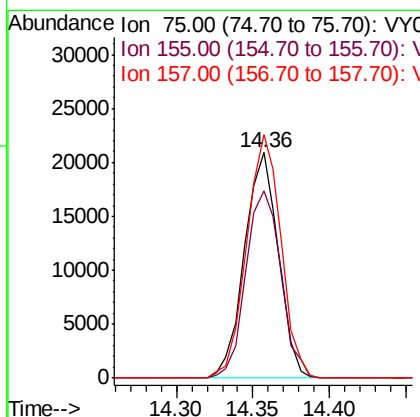
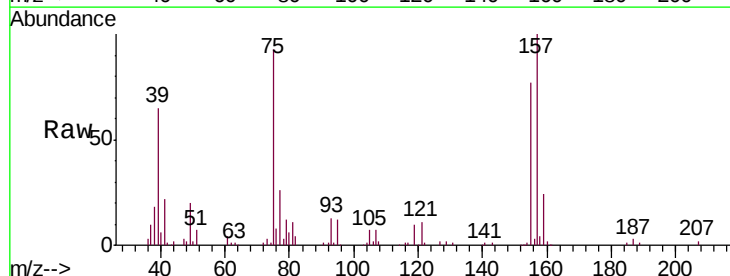
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025791

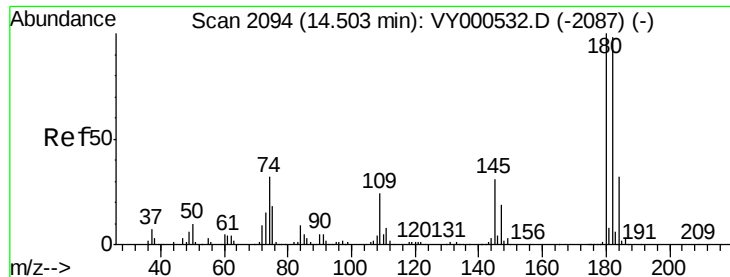
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	35.6	53.4
148	63.5	50.8	76.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 25.603 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000532.D
 Acq: 05 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	66.3	99.5
157	108.0	86.4	129.6

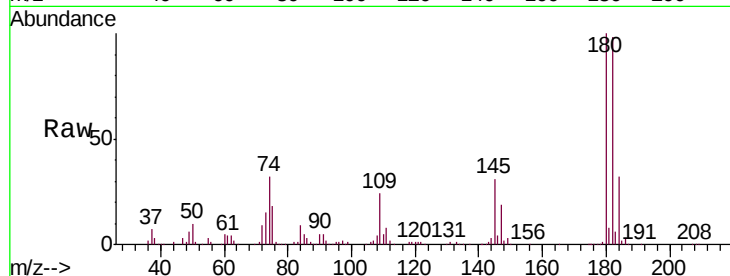




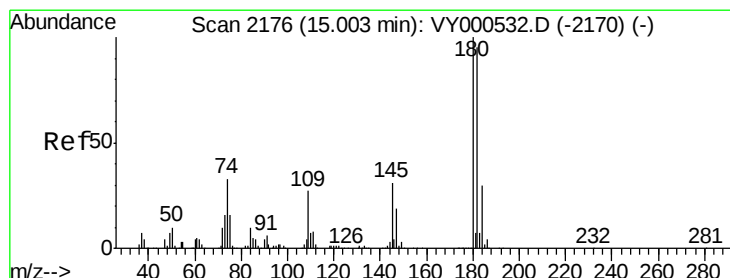
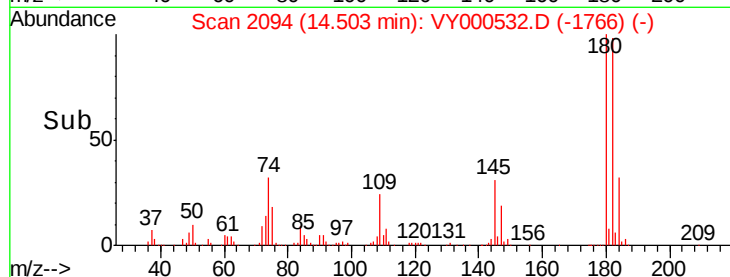
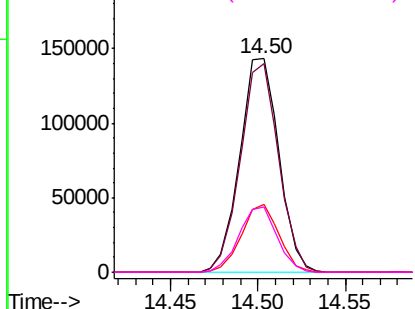
#69
 1,3,5-Trichlorobenzene
 Concen: 26.482 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000532.D
 Acq: 05 Nov 2019 10:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025791

Tgt Ion:	180	Resp:	223103
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
184	30.6	24.5	36.7
145	30.0	24.0	36.0

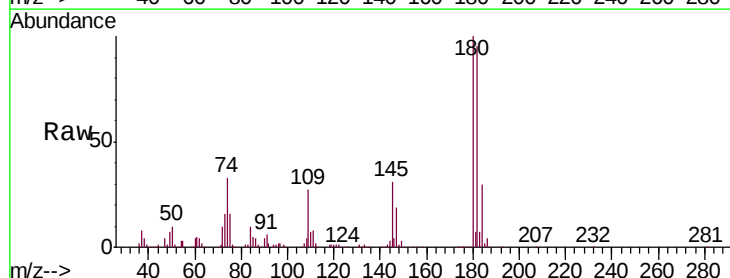


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

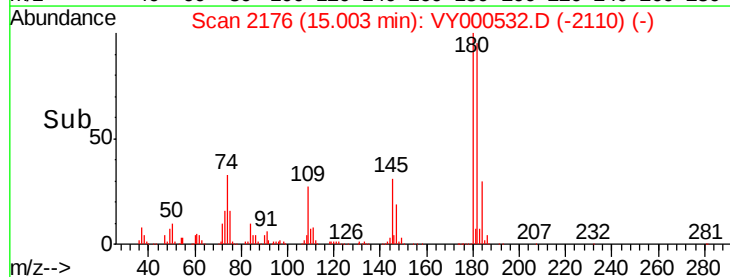
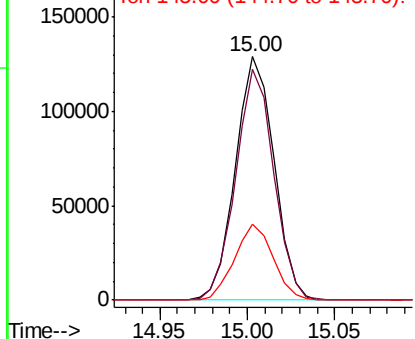


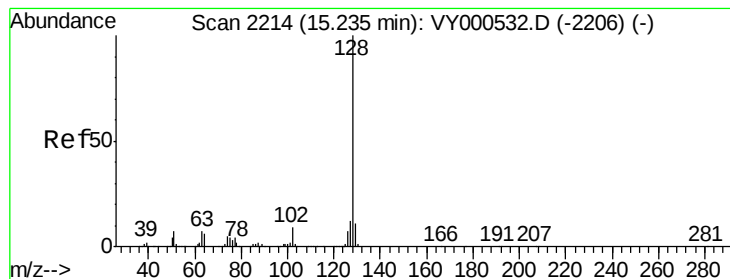
#70
 1,2,4-trichlorobenzene
 Concen: 25.826 ug/L
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000532.D
 Acq: 05 Nov 2019 10:28

Tgt Ion:	180	Resp:	198178
Ion	Ratio	Lower	Upper
180	100		
182	93.3	74.6	112.0
145	31.1	24.9	37.3



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





#71

Naphthalene

Concen: 26.177 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025791

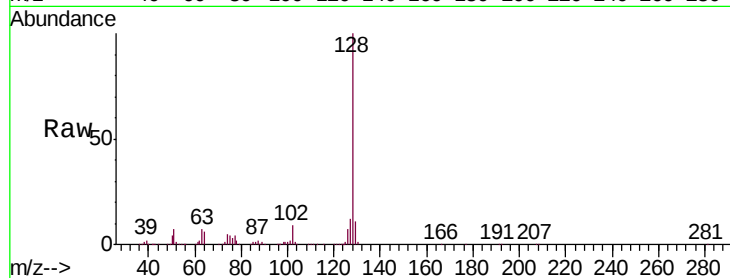
Tgt Ion:128 Resp: 524753

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

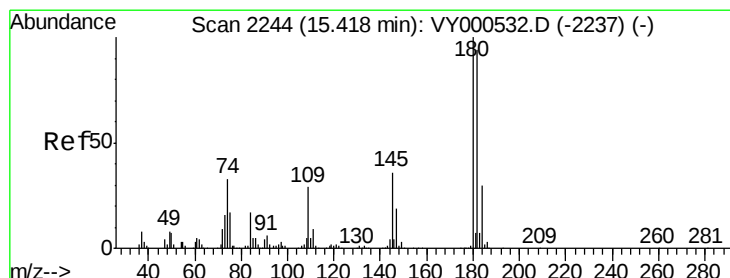
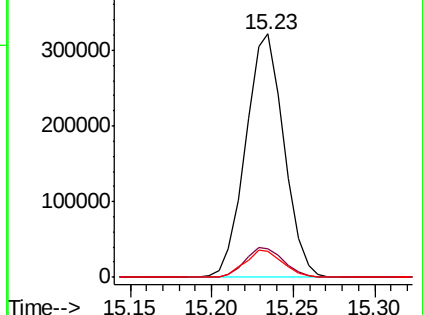
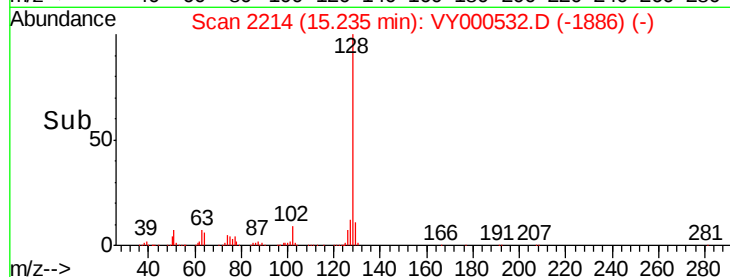
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#72

1,2,3-Trichlorobenzene

Concen: 26.040 ug/L

RT: 15.42 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VY000532.D

Acq: 05 Nov 2019 10:28

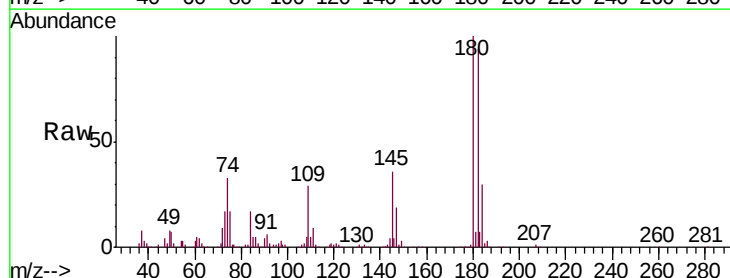
Tgt Ion:180 Resp: 185112

Ion Ratio Lower Upper

180 100

182 93.7 75.0 112.4

145 33.1 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

