

Data File : VY000643.D
Acq On : 12 Nov 2019 09:28
Operator : SY/MD
Sample : VSTD2.578
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

Quant Time: Nov 13 01:28:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 01:25:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	382227	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	341161	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	162448	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	14905	2.76	ug/L	0.00
7) Chloroethane-d5	2.77	69	13613	2.84	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.85	63	34137	3.42	ug/L	0.00
20) 2-Butanone-d5	6.91	46	5001	2.25	ug/L	0.00
24) Chloroform-d	7.49	84	28773	2.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	15912	2.74	ug/L	0.00
29) Benzene-d6	8.11	84	59281	2.99	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	17920	2.89	ug/L	0.00
37) Toluene-d8	10.18	98	55538	3.00	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	8297	2.86	ug/L	0.00
39) 2-Hexanone-d5	10.78	63	7165	4.27	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	15899	2.63	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	19909	3.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	27945	5.533 ug/L	100
3) Chloromethane	2.12	50	32634	5.154 ug/L	93
5) Vinyl chloride	2.25	62	30844	4.881 ug/L	98
6) Bromomethane	2.65	94	15899	4.607 ug/L	99
8) Chloroethane	2.80	64	20259	5.113 ug/L	90
9) Trichlorofluoromethane	3.13	101	42673	4.768 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	15109	2.976 ug/L #	44
12) 1,1-Dichloroethene	3.87	96	23118	4.665 ug/L	87
13) Acetone	3.96	43	13639	8.265 ug/L	86
14) Carbon disulfide	4.19	76	72374	4.733 ug/L	96
15) Methyl Acetate	4.48	43	14874	3.984 ug/L #	74
16) Methylene chloride	4.72	84	30893	4.896 ug/L	88
17) Methyl tert-butyl Ether	5.22	73	66219	4.392 ug/L	99
18) trans-1,2-Dichloroethene	5.22	96	26427	4.775 ug/L	95
19) 1,1-Dichloroethane	6.03	63	46371	4.761 ug/L	94
21) 2-Butanone	6.99	43	25765	8.974 ug/L	89
22) cis-1,2-Dichloroethene	6.99	96	29528	4.824 ug/L	95
23) Bromochloromethane	7.35	128	12348	4.620 ug/L	80
25) Chloroform	7.52	83	51467	4.903 ug/L	96
27) 1,2-Dichloroethane	8.25	62	32284	4.600 ug/L	96
31) 1,1,1-Trichloroethane	7.71	97	41905	4.986 ug/L	99
32) Carbon tetrachloride	7.91	117	37543	5.125 ug/L	99
34) Benzene	8.16	78	109093	4.891 ug/L	100
35) Trichloroethene	8.95	95	28475	4.869 ug/L	95
36) Methylcyclohexane	9.19	83	49884	4.983 ug/L	100
40) 1,2-Dichloropropane	9.22	63	27937	4.942 ug/L	99
41) Bromodichloromethane	9.50	83	34820	4.788 ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	41758	4.586 ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	45050	8.333 ug/L	99
44) Toluene	10.25	91	112889	4.682 ug/L	94

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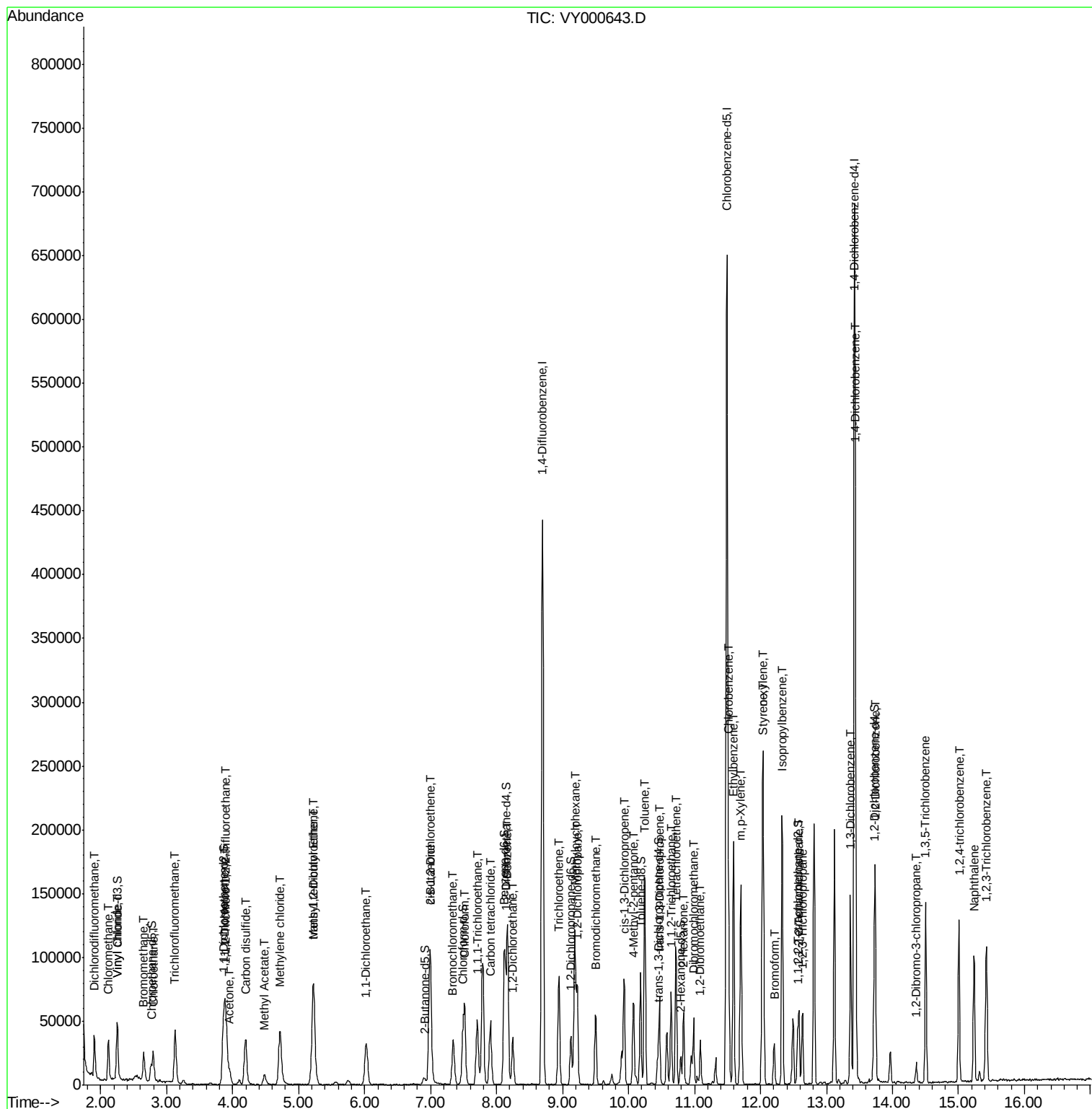
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.47	75	33738	4.313	ug/L	90
46) 1,1,2-Trichloroethane	10.64	97	22304	4.811	ug/L	88
47) Tetrachloroethene	10.72	164	23172	5.306	ug/L	80
49) 2-Hexanone	10.83	43	34962	8.303	ug/L	98
50) Dibromochloromethane	10.99	129	23697	4.524	ug/L	86
51) 1,2-Dibromoethane	11.09	107	20427	4.527	ug/L #	89
52) Chlorobenzene	11.52	112	75225	4.916	ug/L	94
53) Ethylbenzene	11.59	91	129103	4.733	ug/L	92
54) m,p-Xylene	11.70	106	49963	4.840	ug/L	100
55) o-xylene	12.03	106	47898	4.727	ug/L	97
56) Styrene	12.05	104	76614	4.551	ug/L	93
57) Isopropylbenzene	12.33	105	128097	4.859	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	25149	4.347	ug/L #	95
59) 1,2,3-Trichloropropane	12.64	75	21313	4.531	ug/L	98
62) Bromoform	12.20	173	13600	4.408	ug/L	97
63) 1,3-Dichlorobenzene	13.36	146	56268	4.856	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	56886	4.912	ug/L	92
65) 1,2-Dichlorobenzene	13.74	146	51603	4.809	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	4198	4.117	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.50	180	39807	4.928	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	35210	4.877	ug/L	99
69) Naphthalene	15.23	128	77244	4.293	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	32239	4.803	ug/L	99

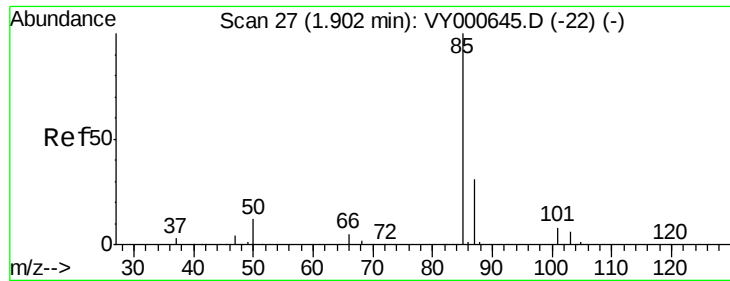
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.533 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

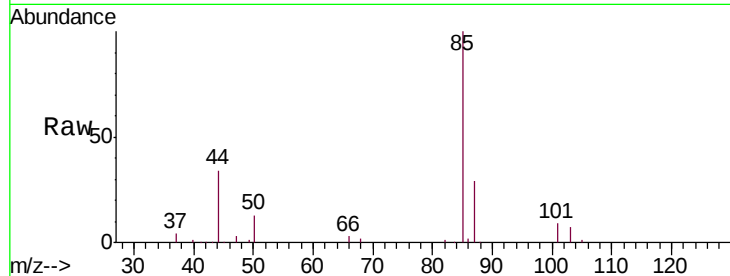
VSTD2.578

Tgt Ion: 85 Resp: 27945

Ion Ratio Lower Upper

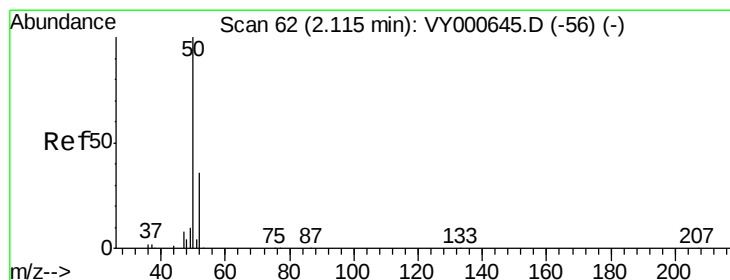
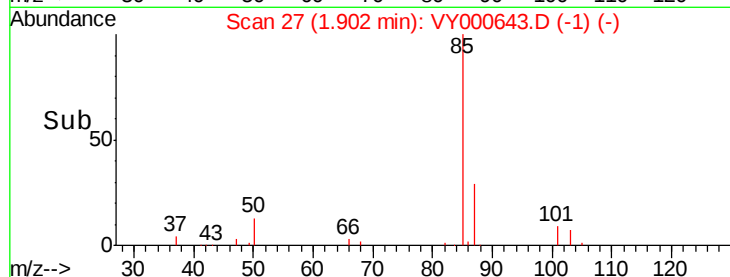
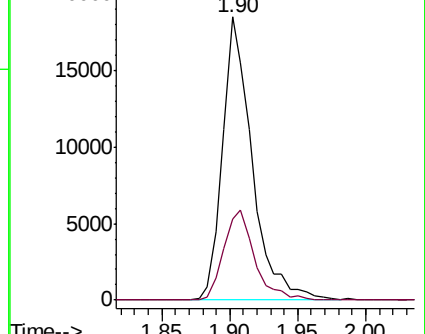
85 100

87 32.6 22.7 42.1



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 5.154 ug/L

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000643.D

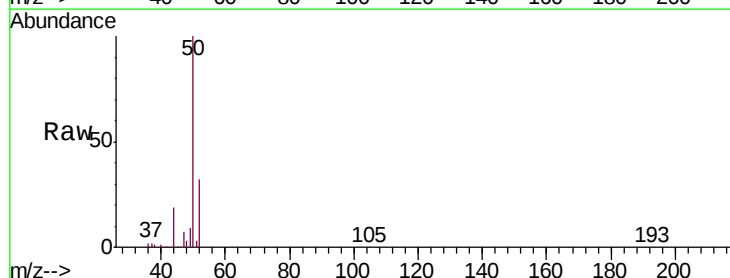
Acq: 12 Nov 2019 09:28

Tgt Ion: 50 Resp: 32634

Ion Ratio Lower Upper

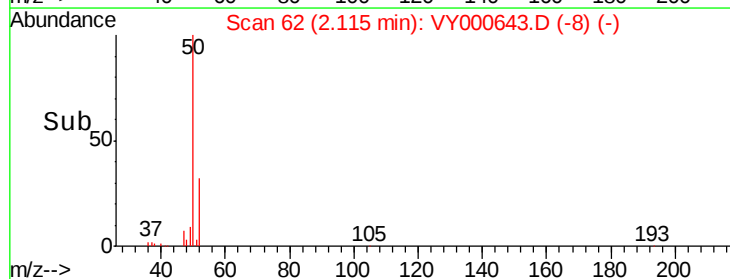
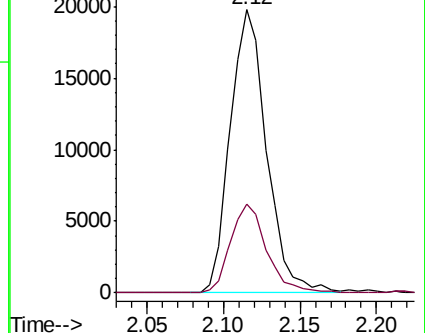
50 100

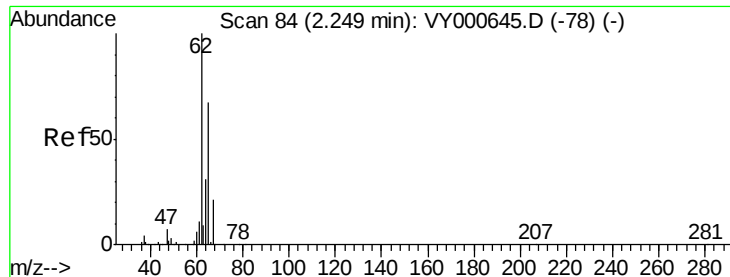
52 31.6 24.9 46.3



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 4.881 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

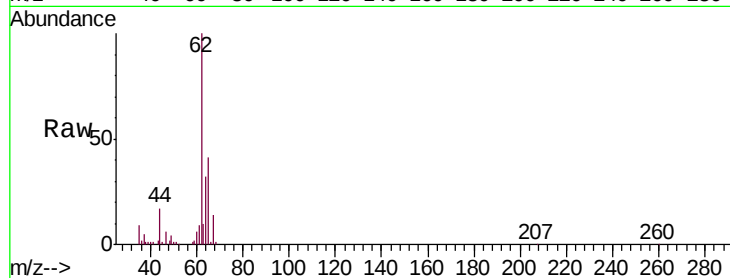
VSTD2.578

Tgt Ion: 62 Resp: 30844

Ion Ratio Lower Upper

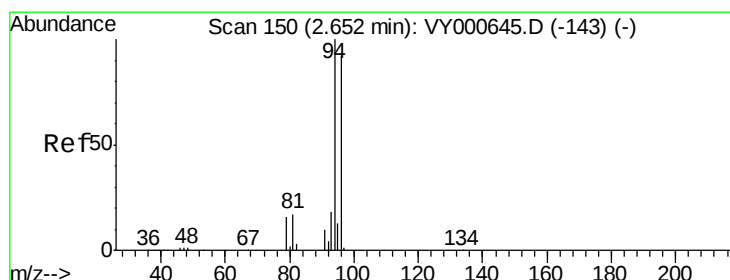
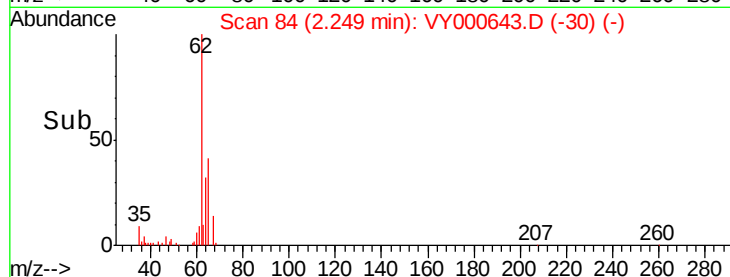
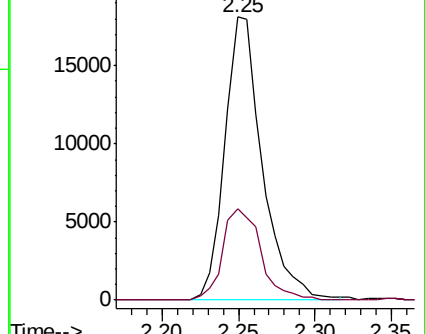
62 100

64 32.2 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0



#6

Bromomethane

Concen: 4.607 ug/L

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY000643.D

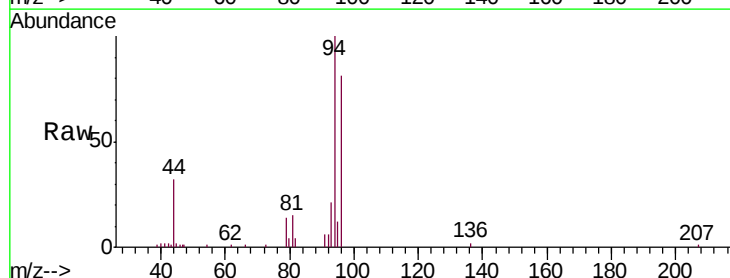
Acq: 12 Nov 2019 09:28

Tgt Ion: 94 Resp: 15899

Ion Ratio Lower Upper

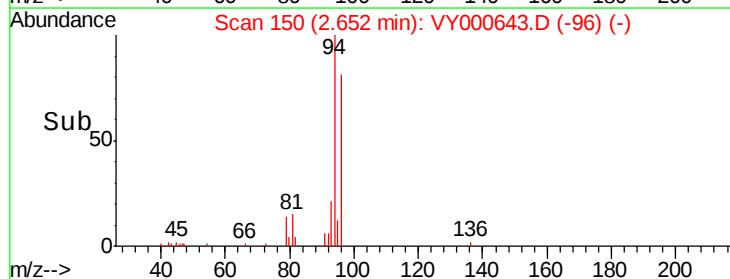
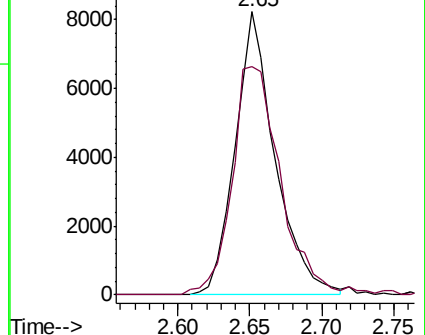
94 100

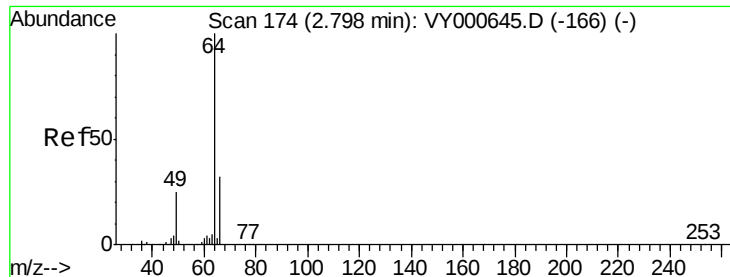
96 96.9 9.8 185.6



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0





#8

Chloroethane

Concen: 5.113 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

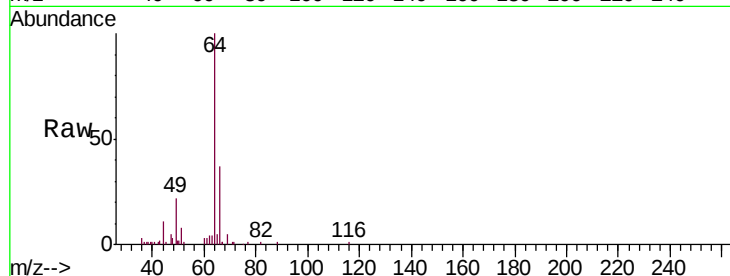
VSTD2.578

Tgt Ion: 64 Resp: 20259

Ion Ratio Lower Upper

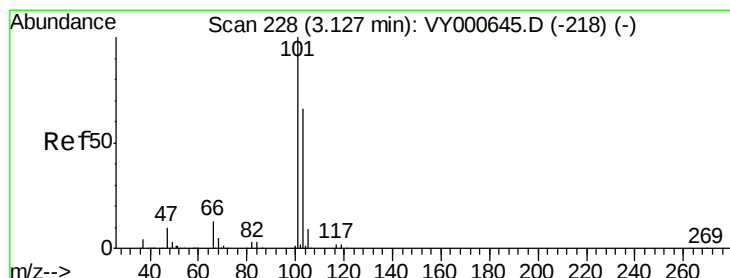
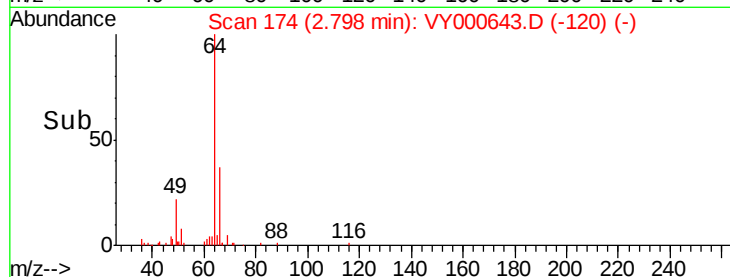
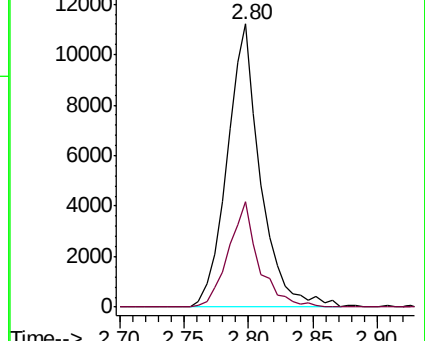
64 100

66 37.1 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 4.768 ug/L

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000643.D

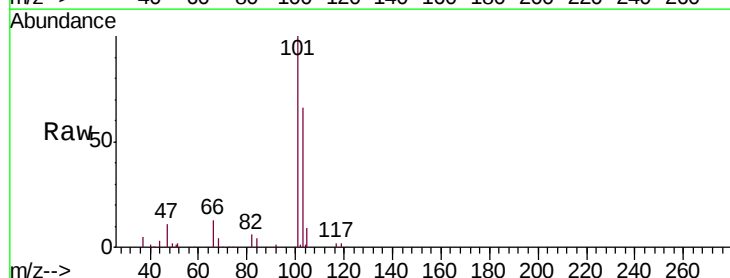
Acq: 12 Nov 2019 09:28

Tgt Ion: 101 Resp: 42673

Ion Ratio Lower Upper

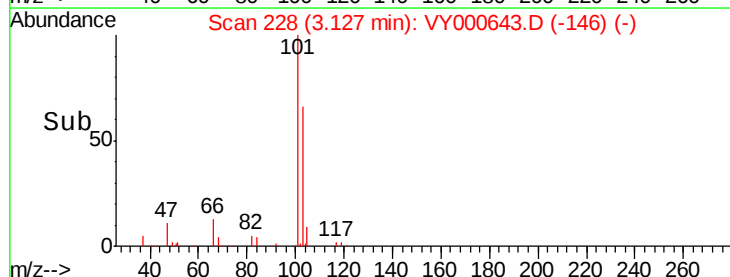
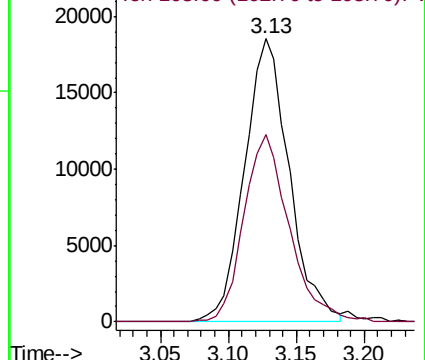
101 100

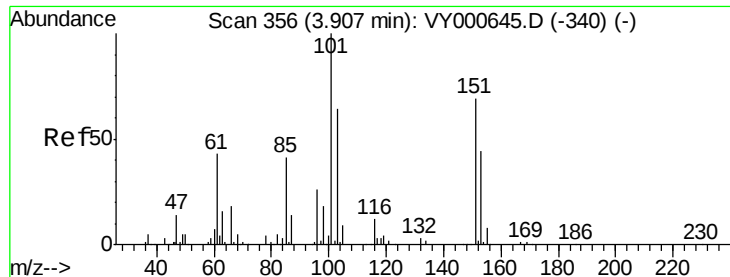
103 66.8 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 2.976 ug/L

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

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ClientSampleId :

VSTD2.578

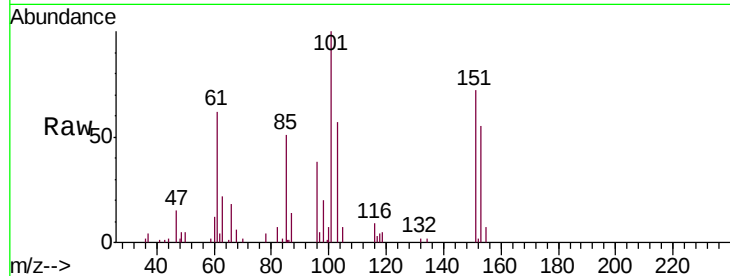
Tgt Ion: 101 Resp: 15109

Ion Ratio Lower Upper

101 100

85 74.5 35.3 52.9#

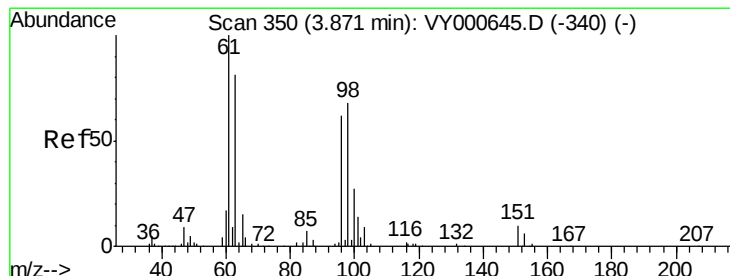
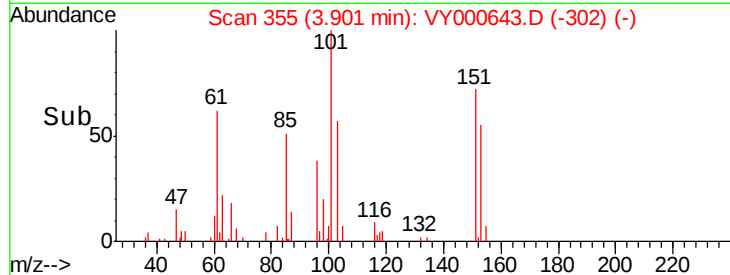
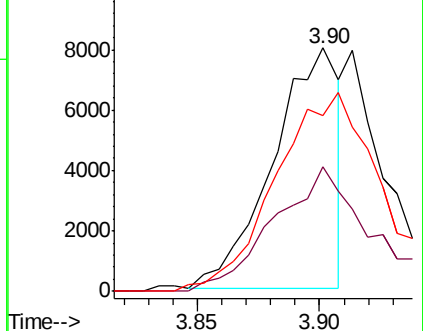
151 130.6 61.9 92.9#



Abundance Ion 101.00 (100.70 to 101.70): VY000643.D (-302) (-)

Ion 85.00 (84.70 to 85.70): VY000643.D (-302) (-)

Ion 151.00 (150.70 to 151.70): VY000643.D (-302) (-)



#12

1,1-Dichloroethene

Concen: 4.665 ug/L

RT: 3.87 min Scan# 350

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

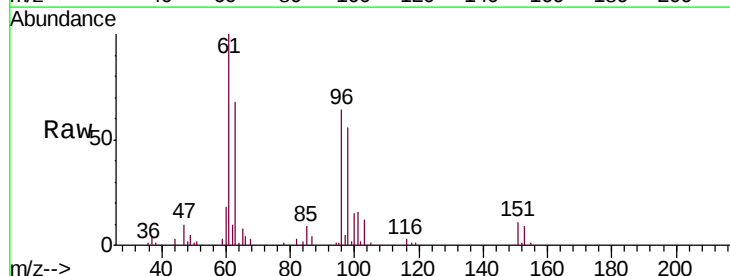
Tgt Ion: 96 Resp: 23118

Ion Ratio Lower Upper

96 100

61 157.4 113.5 210.9

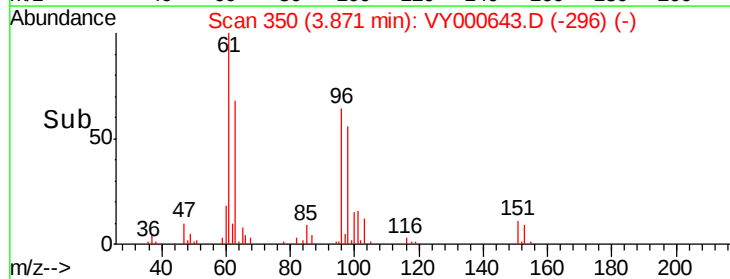
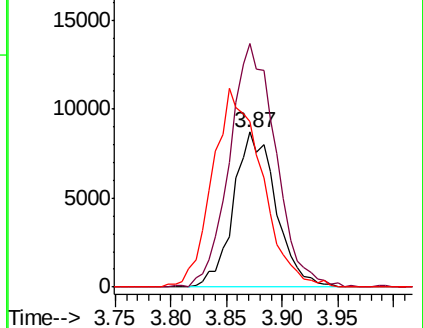
63 106.8 94.3 175.1

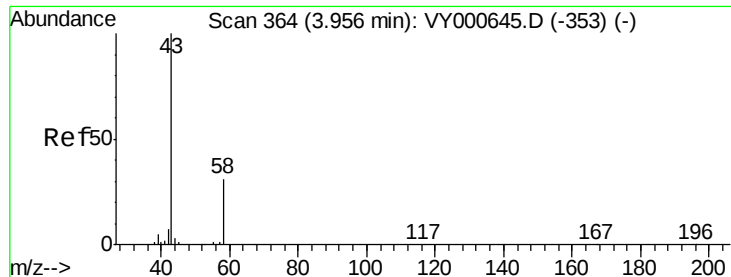


Abundance Ion 96.00 (95.70 to 96.70): VY000643.D (-296) (-)

Ion 61.00 (60.70 to 61.70): VY000643.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VY000643.D (-296) (-)





#13

Acetone

Concen: 8.265 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

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Acq: 12 Nov 2019 09:28

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ClientSampleId :

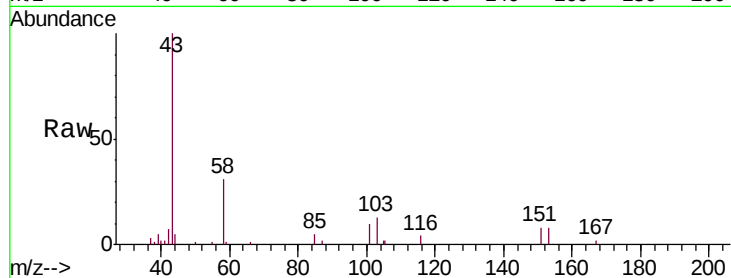
VSTD2.578

Tgt Ion: 43 Resp: 13639

Ion Ratio Lower Upper

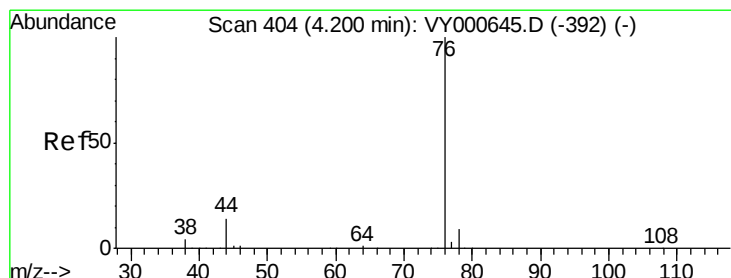
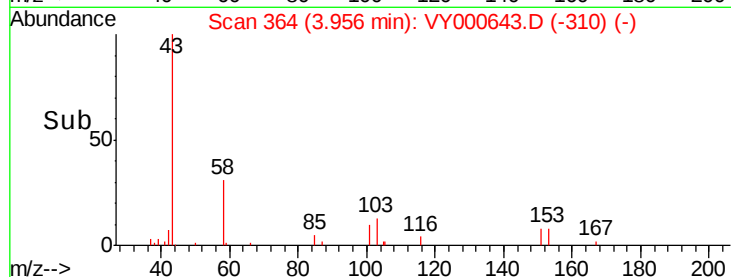
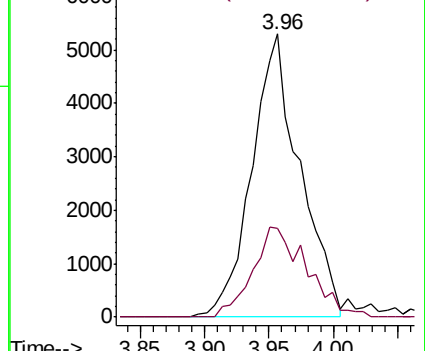
43 100

58 24.6 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#14

Carbon disulfide

Concen: 4.733 ug/L

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000643.D

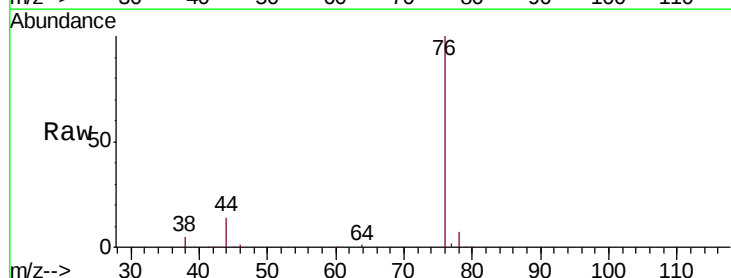
Acq: 12 Nov 2019 09:28

Tgt Ion: 76 Resp: 72374

Ion Ratio Lower Upper

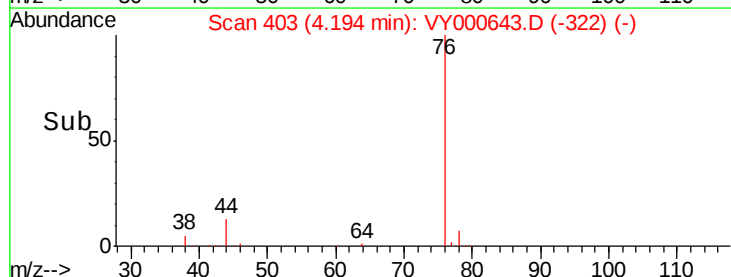
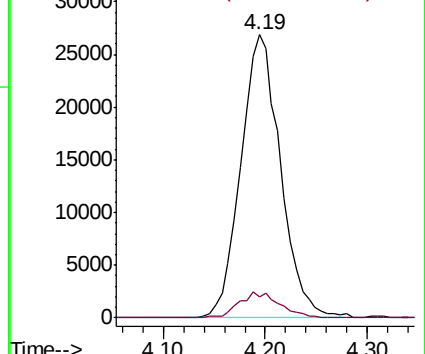
76 100

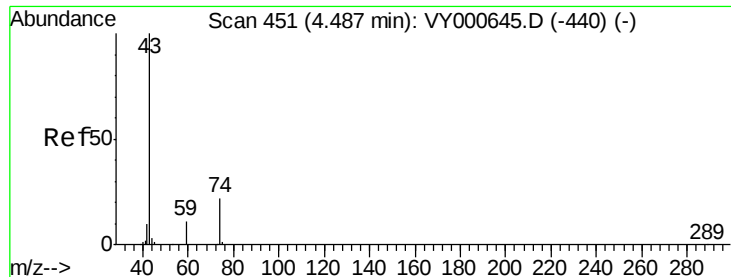
78 7.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0





#15

Methyl Acetate

Concen: 3.984 ug/L

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

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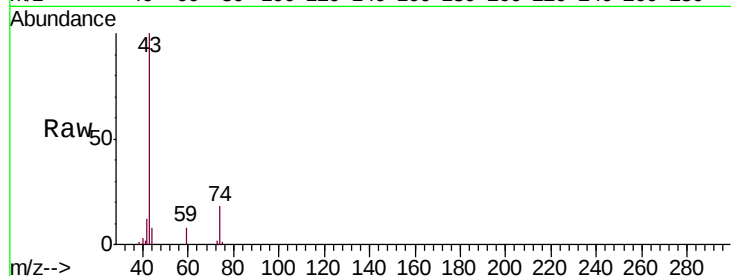
VSTD2.578

Tgt Ion: 43 Resp: 14874

Ion Ratio Lower Upper

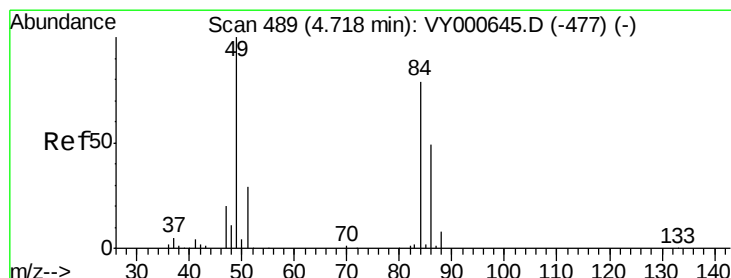
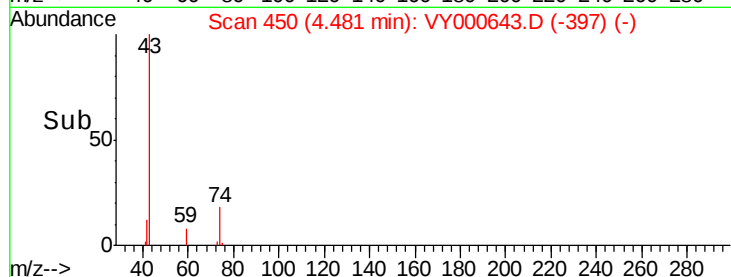
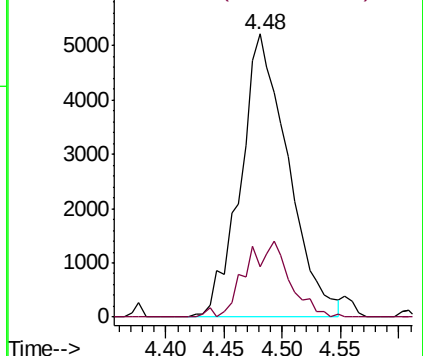
43 100

74 10.2 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



#16

Methylene chloride

Concen: 4.896 ug/L

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

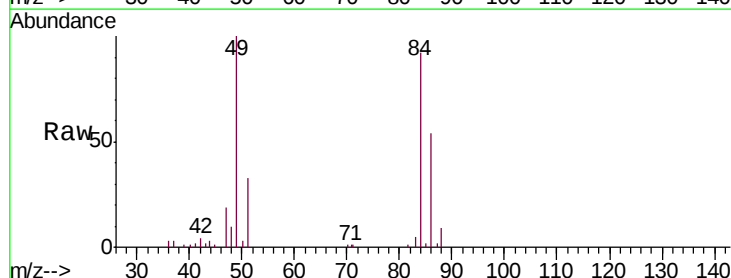
Tgt Ion: 84 Resp: 30893

Ion Ratio Lower Upper

84 100

49 109.1 88.8 165.0

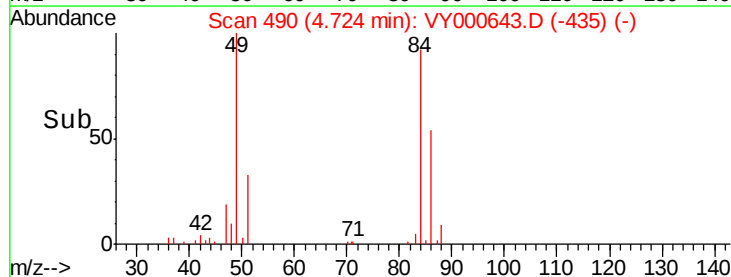
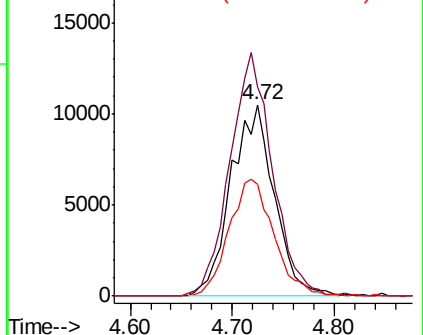
86 58.5 43.9 81.5

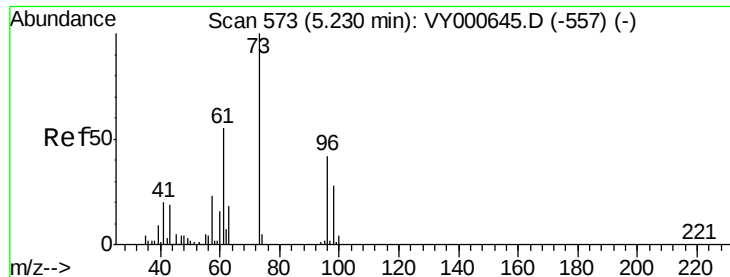


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

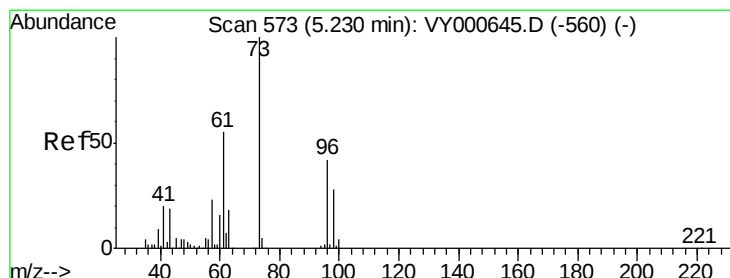
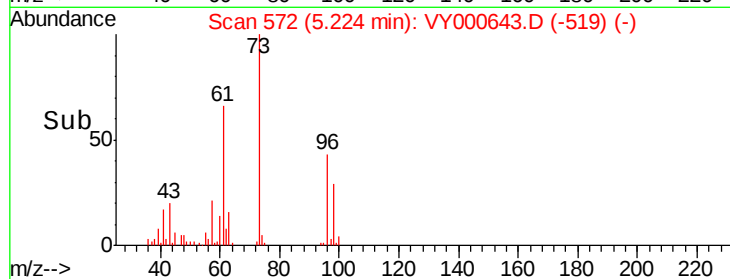
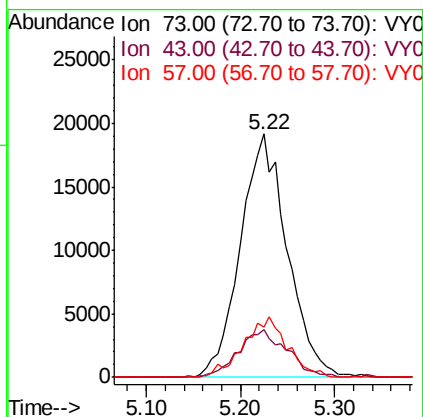
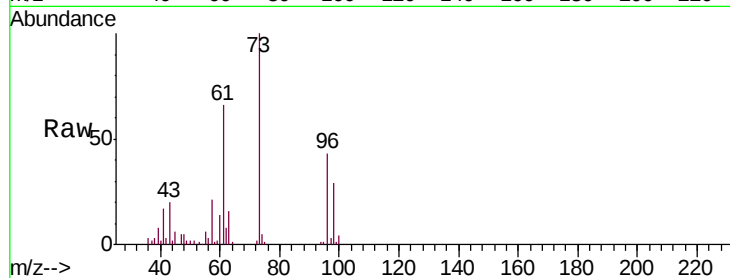




#17
Methyl tert-butyl Ether
Concen: 4.392 ug/L
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

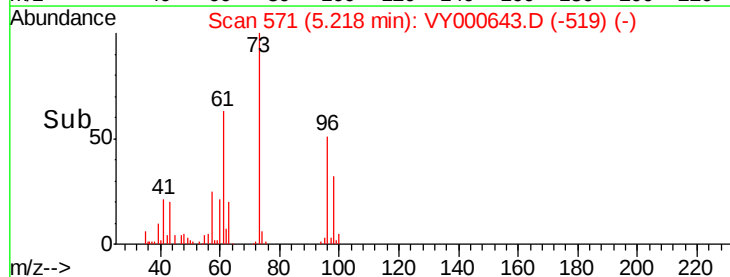
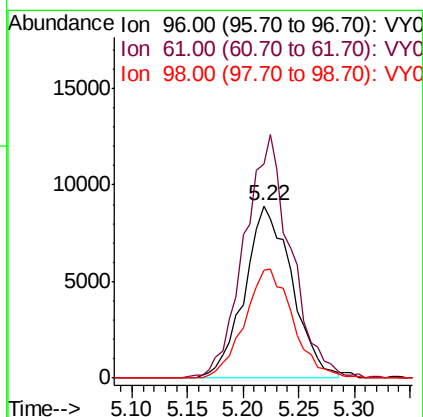
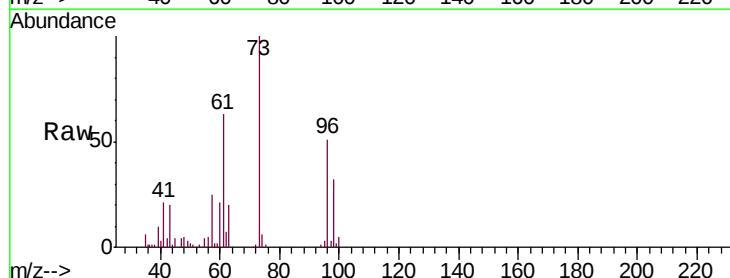
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

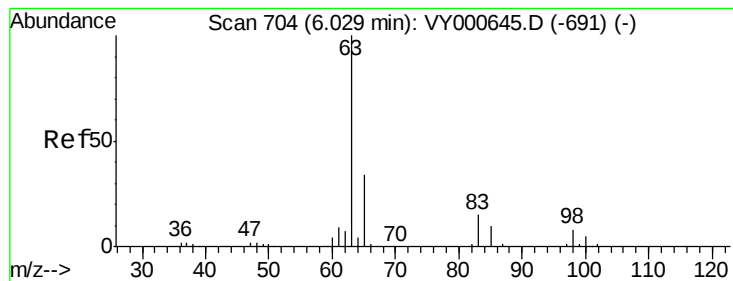
Tgt Ion: 73 Resp: 66219
Ion Ratio Lower Upper
73 100
43 20.2 15.4 23.0
57 22.2 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 4.775 ug/L
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion: 96 Resp: 26427
Ion Ratio Lower Upper
96 100
61 123.9 91.8 170.4
98 62.9 46.3 85.9





#19

1,1-Dichloroethane

Concen: 4.761 ug/L

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

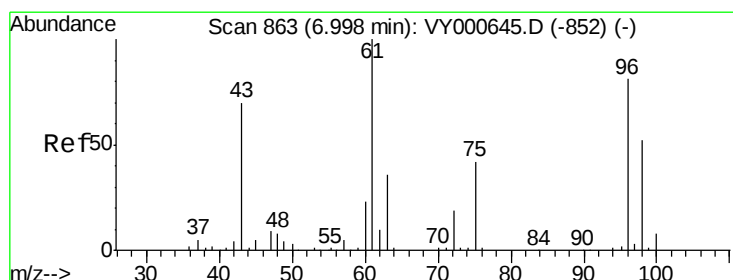
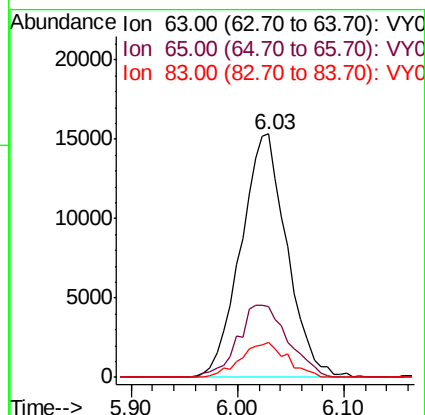
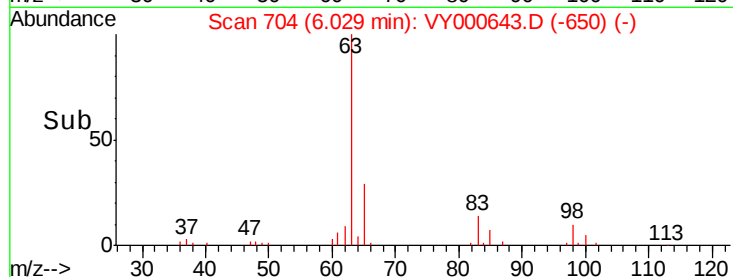
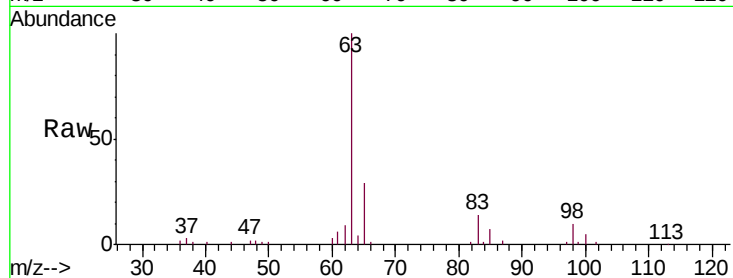
Tgt Ion: 63 Resp: 46371

Ion Ratio Lower Upper

63 100

65 29.3 23.9 44.5

83 14.3 10.1 18.9



#21

2-Butanone

Concen: 8.974 ug/L

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000643.D

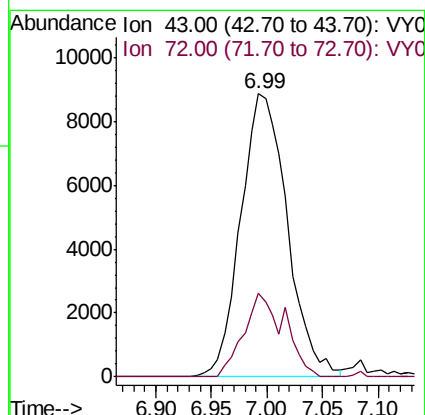
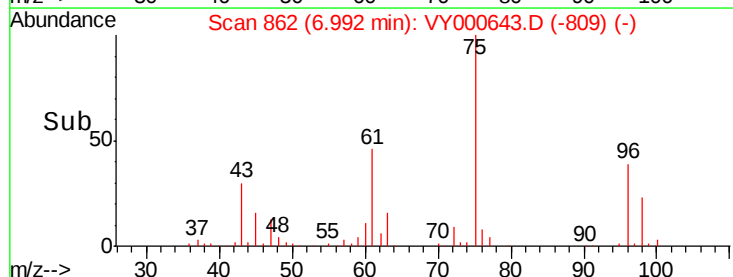
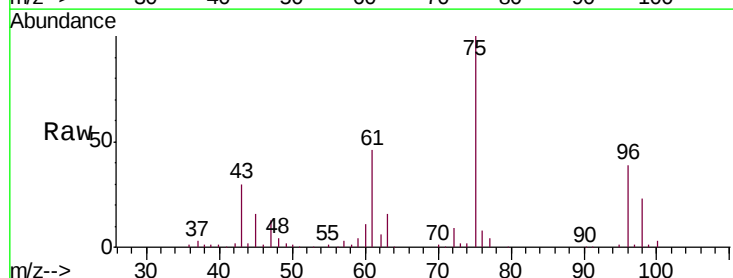
Acq: 12 Nov 2019 09:28

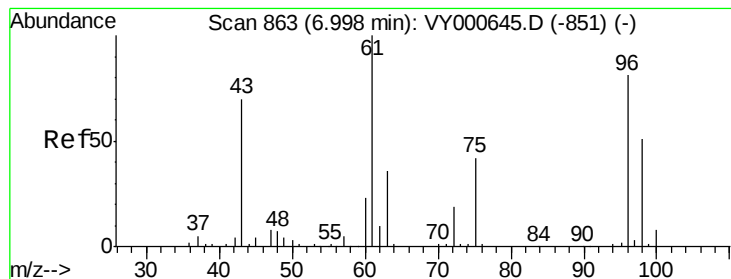
Tgt Ion: 43 Resp: 25765

Ion Ratio Lower Upper

43 100

72 19.5 12.6 37.8



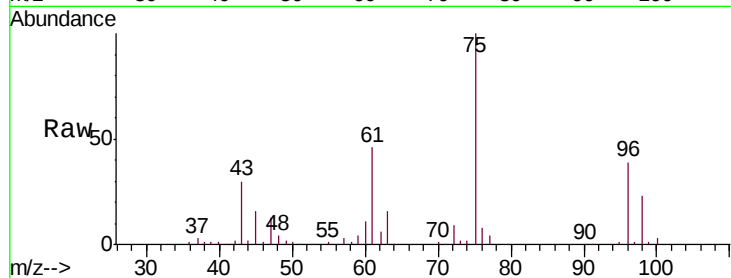


#22

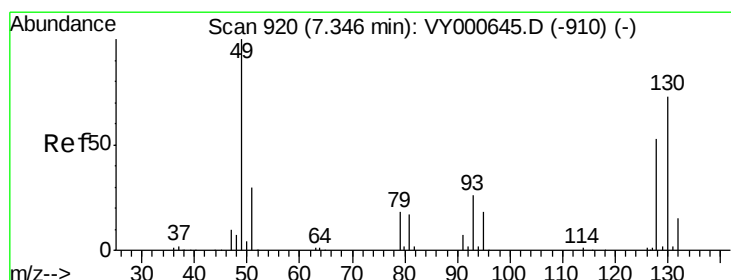
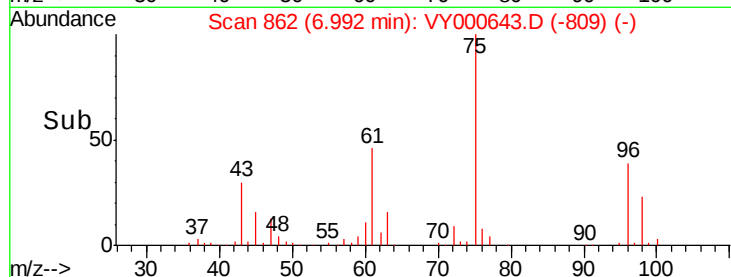
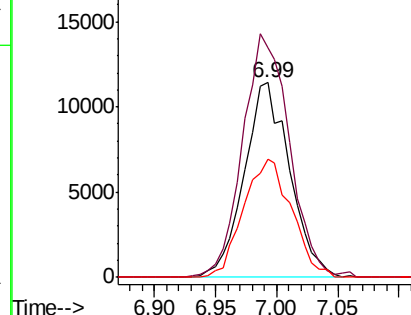
cis-1,2-Dichloroethene
 Concen: 4.824 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tgt Ion: 96 Resp: 29528
 Ion Ratio Lower Upper
 96 100
 61 118.3 86.8 161.2
 98 60.5 44.6 82.8



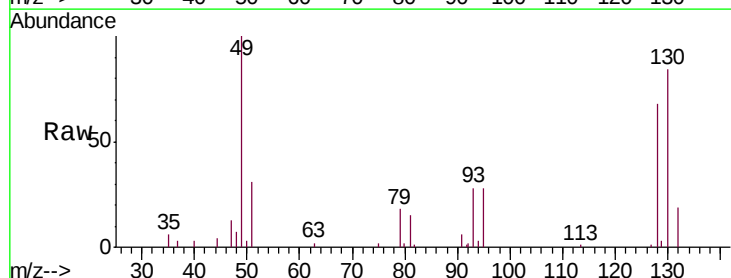
Abundance Ion 96.00 (95.70 to 96.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0



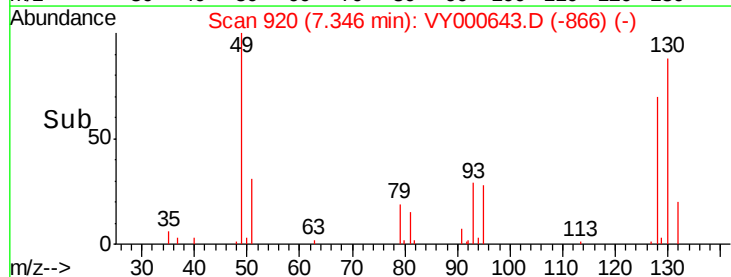
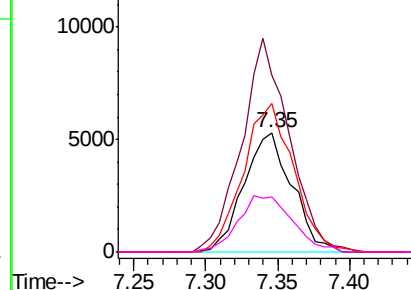
#23

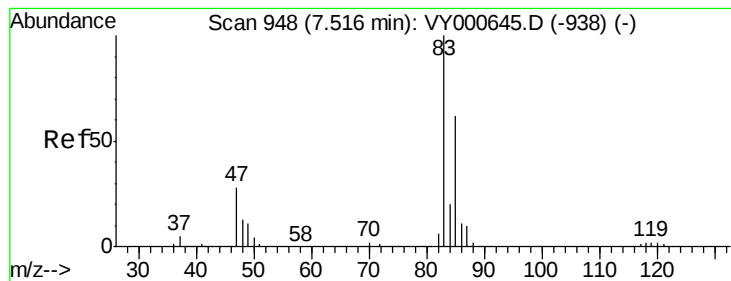
Bromochloromethane
 Concen: 4.620 ug/L
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion: 128 Resp: 12348
 Ion Ratio Lower Upper
 128 100
 49 147.7 131.5 244.3
 130 124.4 96.7 179.5
 51 46.2 45.3 67.9



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VY0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VY0





#25

Chloroform

Concen: 4.903 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

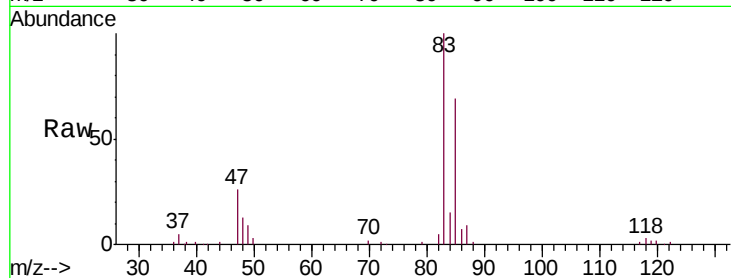
VSTD2.578

Tgt Ion: 83 Resp: 51467

Ion Ratio Lower Upper

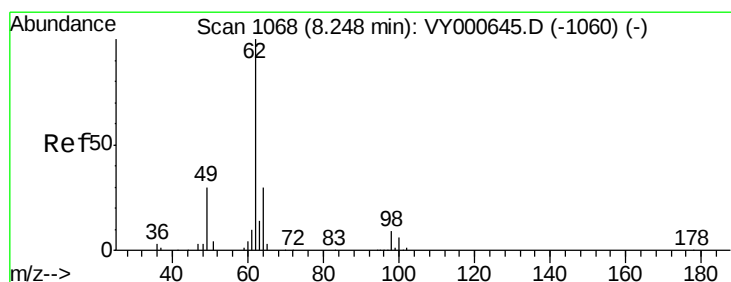
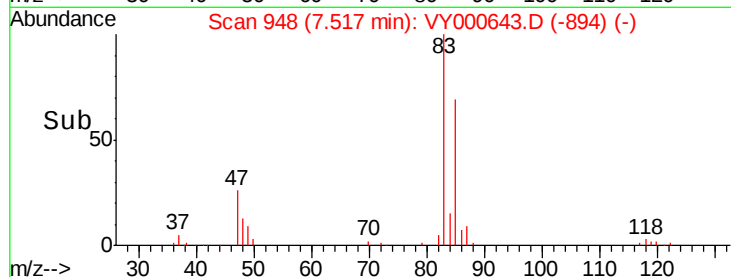
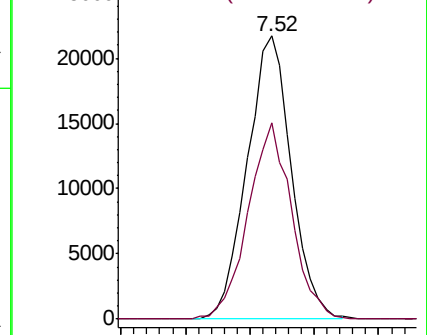
83 100

85 68.2 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#27

1,2-Dichloroethane

Concen: 4.600 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000643.D

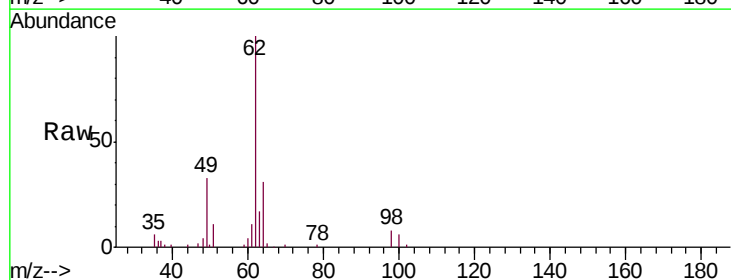
Acq: 12 Nov 2019 09:28

Tgt Ion: 62 Resp: 32284

Ion Ratio Lower Upper

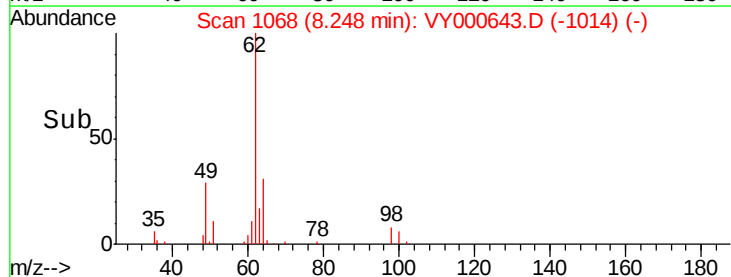
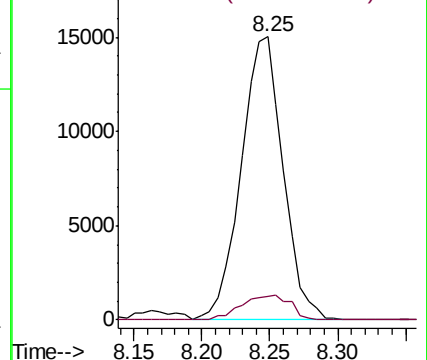
62 100

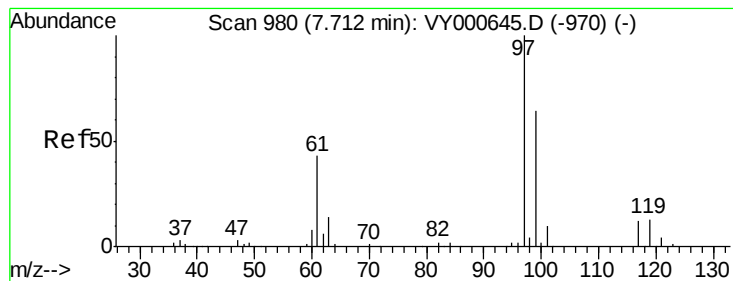
98 8.1 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#31

1,1,1-Trichloroethane

Concen: 4.986 ug/L

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

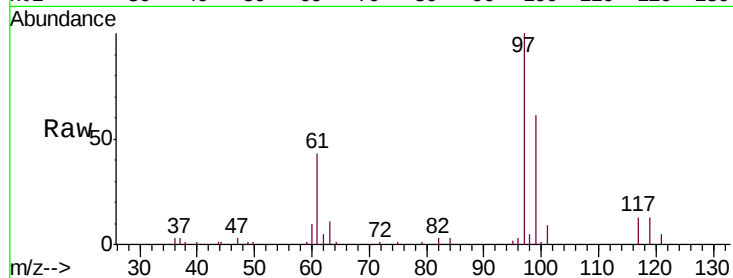
Tgt Ion: 97 Resp: 41905

Ion Ratio Lower Upper

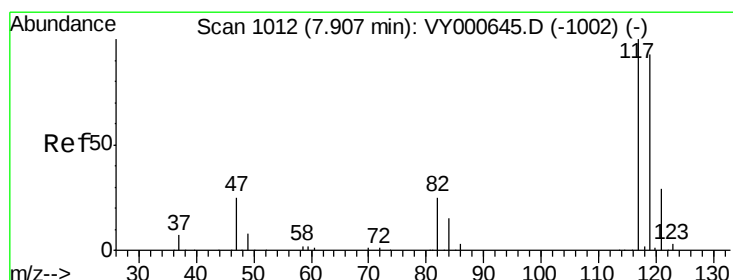
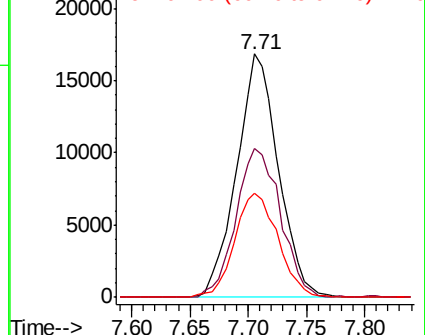
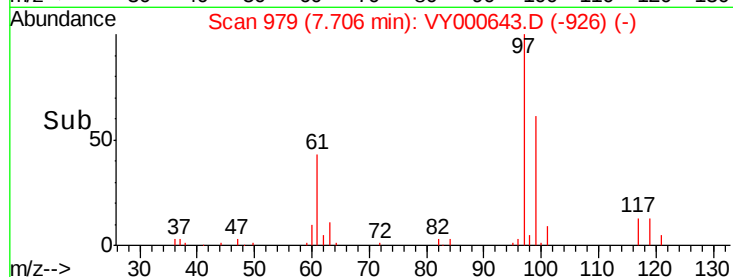
97 100

99 65.0 51.4 77.0

61 44.4 34.7 52.1



Abundance Ion 97.00 (96.70 to 97.70): VY000643.D (-926) (-)



#32

Carbon tetrachloride

Concen: 5.125 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000643.D

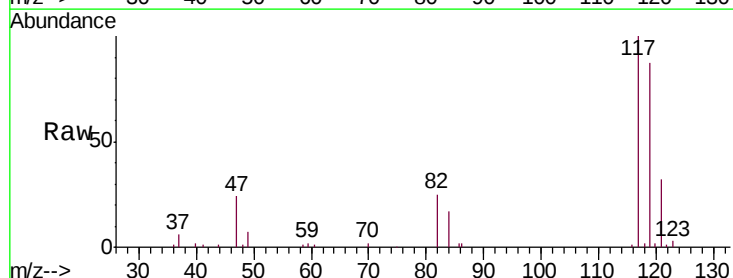
Acq: 12 Nov 2019 09:28

Tgt Ion: 117 Resp: 37543

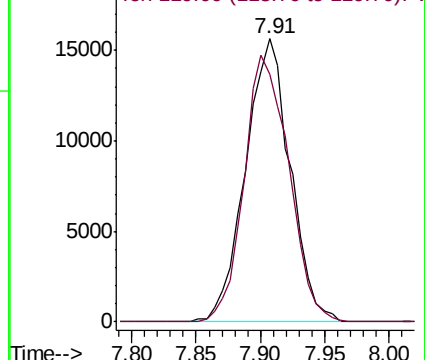
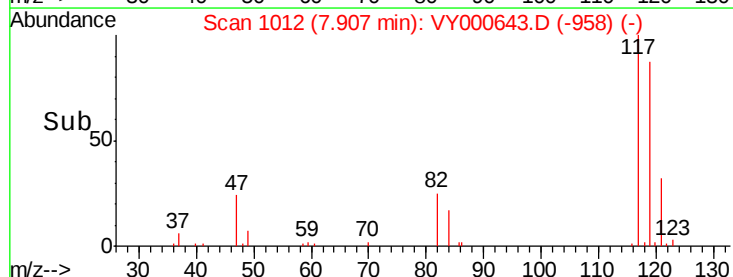
Ion Ratio Lower Upper

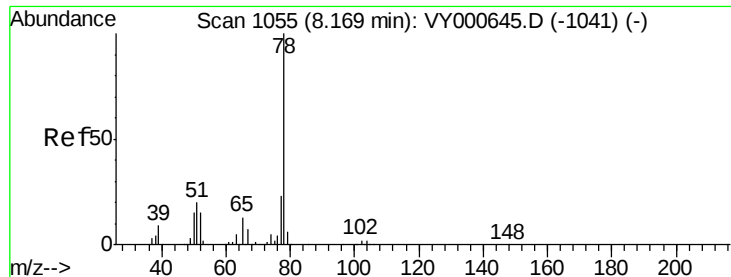
117 100

119 94.5 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): VY000643.D (-958) (-)





#34

Benzene

Concen: 4.891 ug/L

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

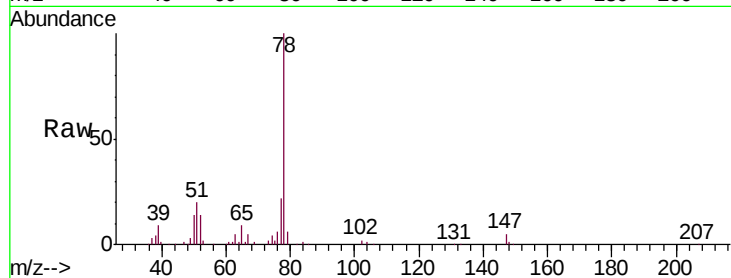
Instrument :

MSVOA_Y

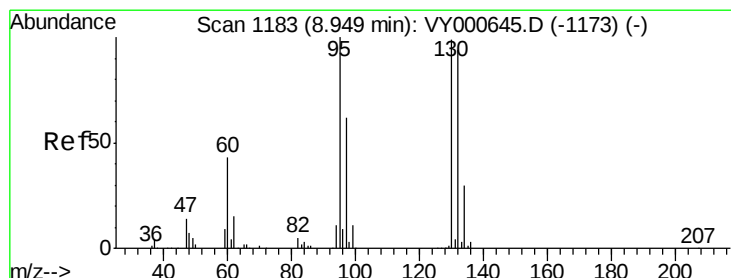
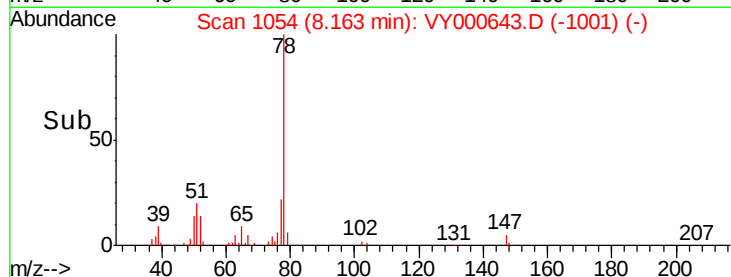
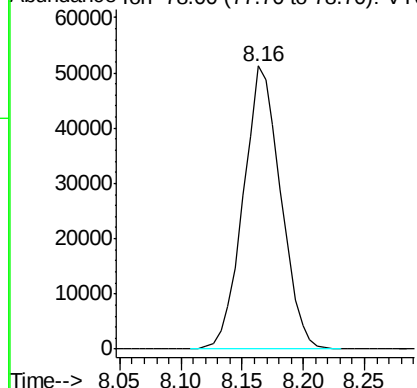
ClientSampled :

VSTD2.578

Tgt Ion: 78 Resp: 109093



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 4.869 ug/L

RT: 8.95 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Tgt Ion: 95 Resp: 28475

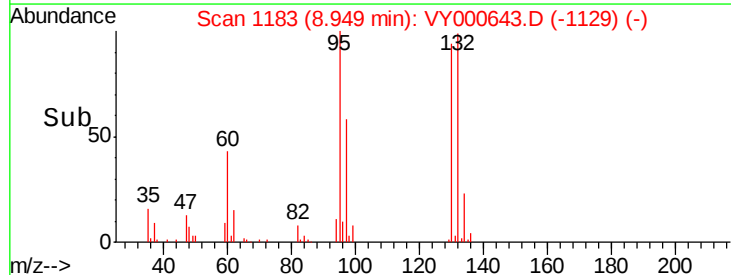
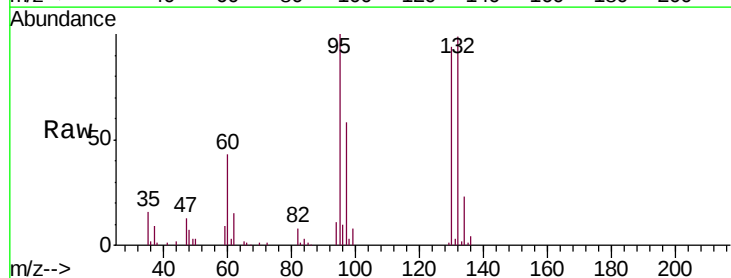
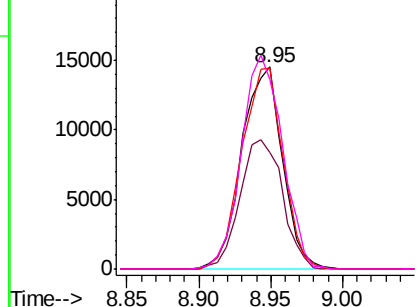
Ion	Ratio	Lower	Upper
95	100		
97	66.8	44.4	82.4
132	100.6	66.8	124.0
130	106.6	70.9	131.7

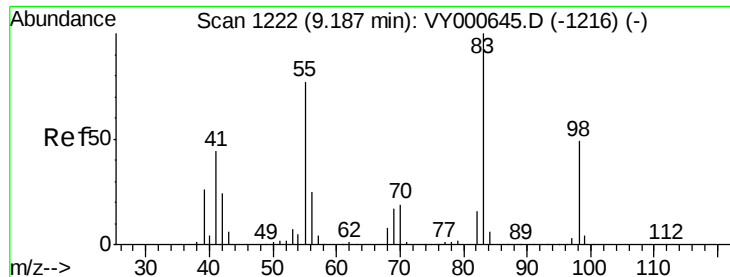
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

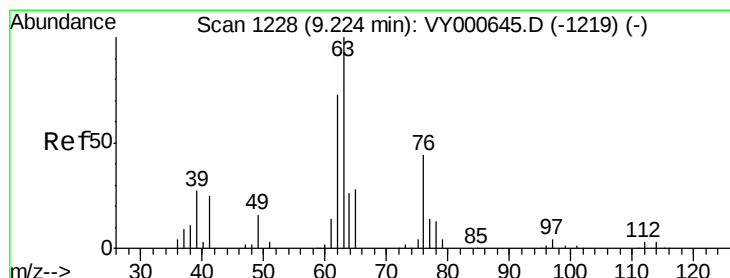
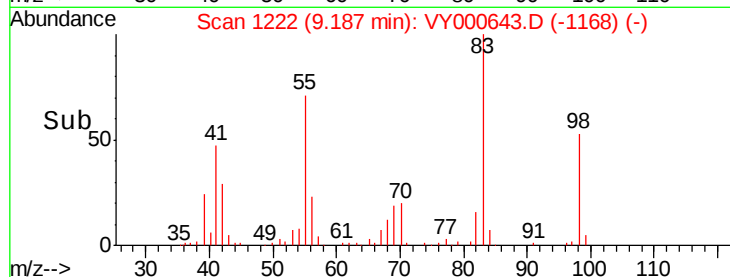
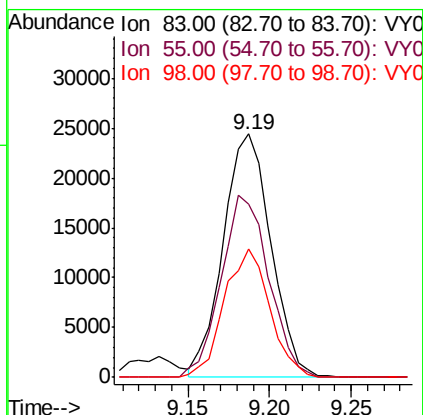
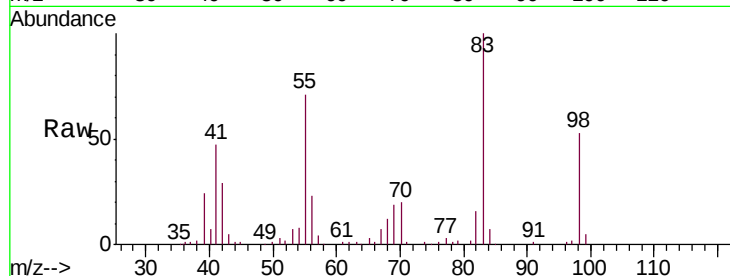




#36
Methylcyclohexane
Concen: 4.983 ug/L
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

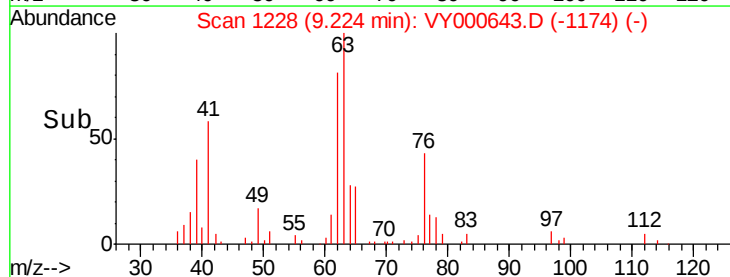
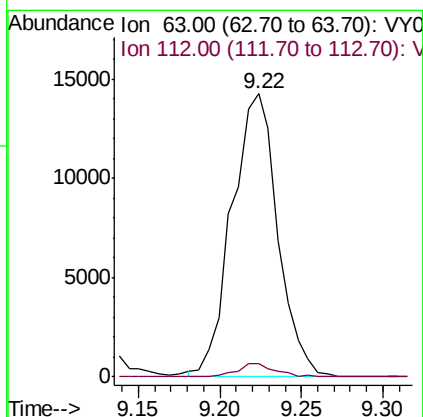
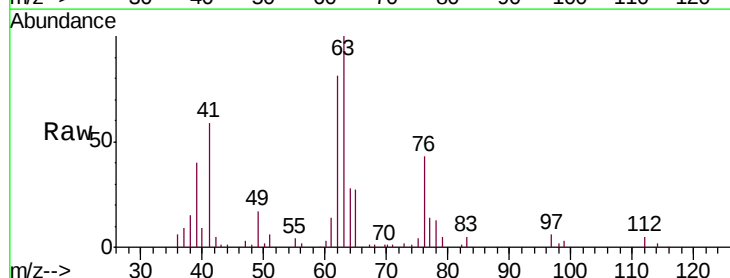
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

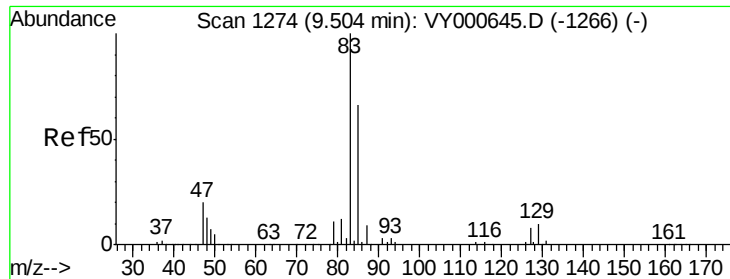
Tgt Ion: 83 Resp: 49884
Ion Ratio Lower Upper
83 100
55 74.6 60.0 90.0
98 50.1 40.2 60.2



#40
1,2-Dichloropropane
Concen: 4.942 ug/L
RT: 9.22 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion: 63 Resp: 27937
Ion Ratio Lower Upper
63 100
112 3.8 3.2 4.8





#41

Bromodichloromethane

Concen: 4.788 ug/L

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

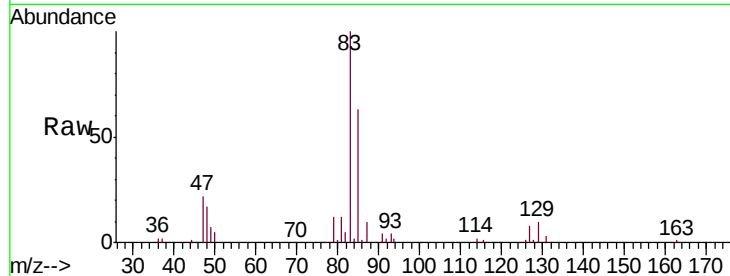
Tgt Ion: 83 Resp: 34820

Ion Ratio Lower Upper

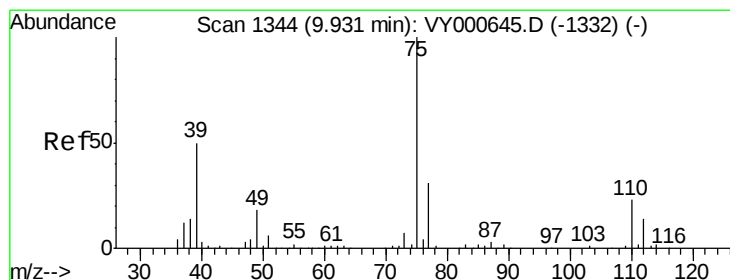
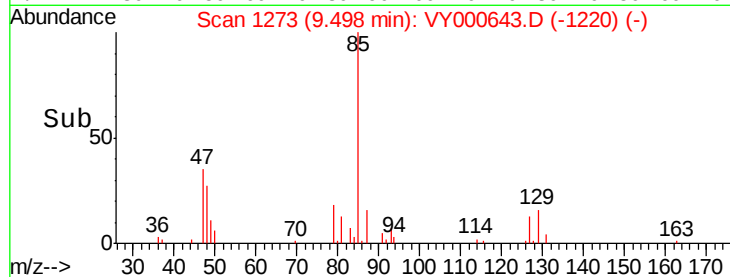
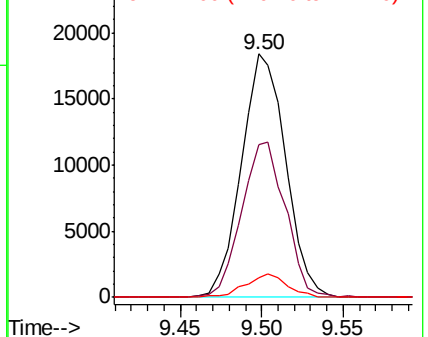
83 100

85 62.9 46.1 85.5

127 8.0 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0
Ion 127.00 (126.70 to 127.70): VY0



#42

cis-1,3-Dichloropropene

Concen: 4.586 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY000643.D

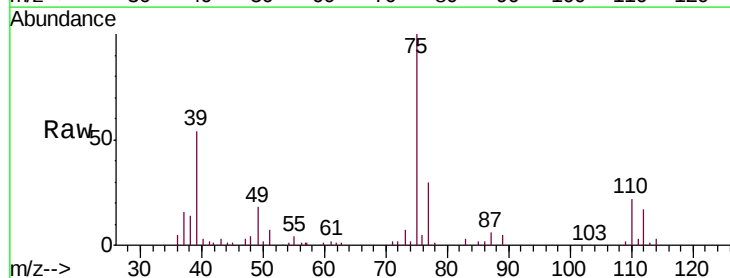
Acq: 12 Nov 2019 09:28

Tgt Ion: 75 Resp: 41758

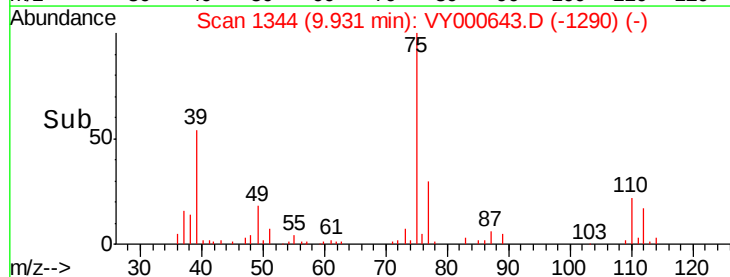
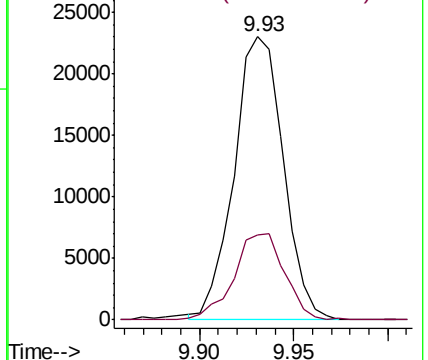
Ion Ratio Lower Upper

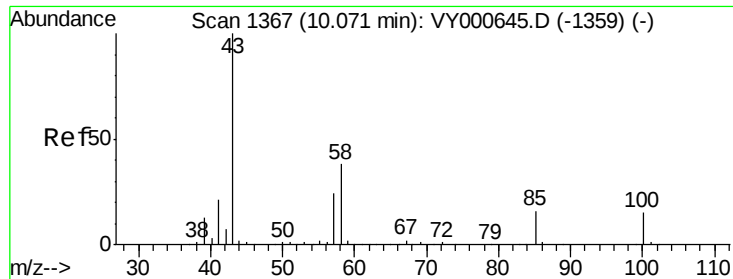
75 100

77 30.2 21.7 40.3



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

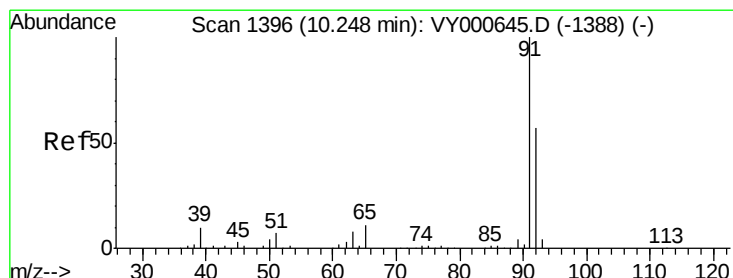
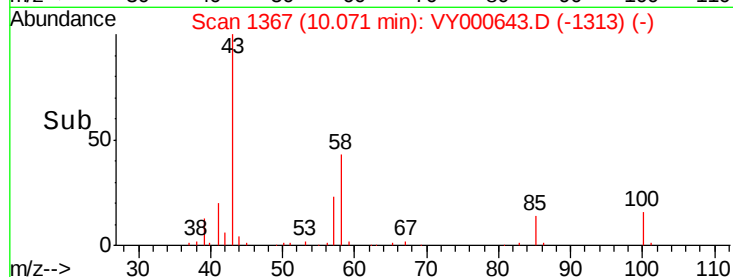
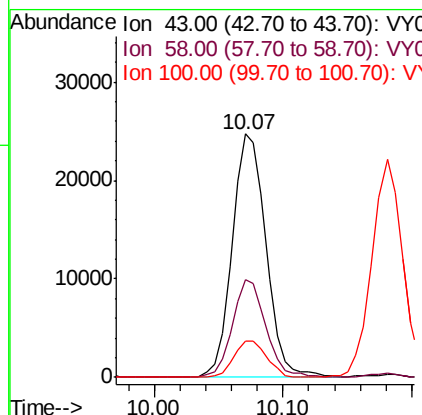
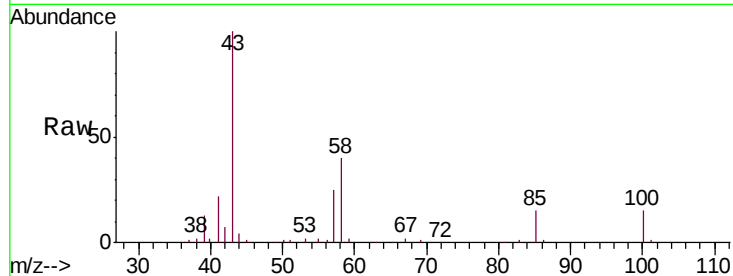




#43
4-Methyl-2-pentanone
Concen: 8.333 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

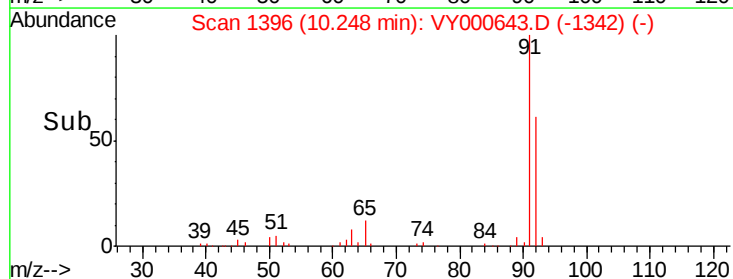
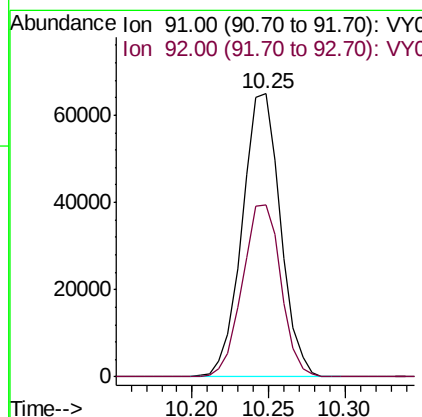
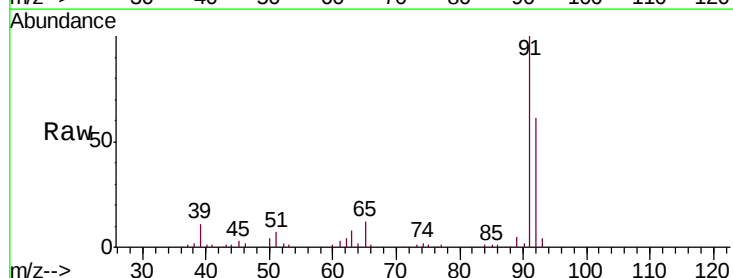
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.578

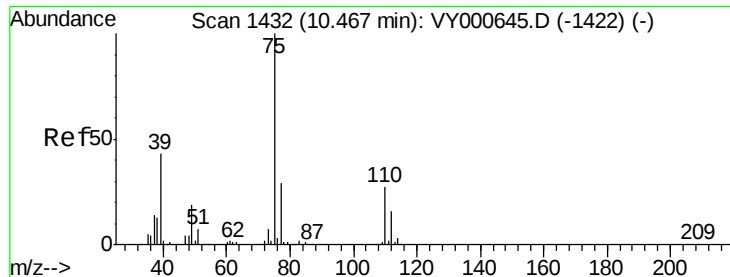
Tgt Ion: 43 Resp: 45050
Ion Ratio Lower Upper
43 100
58 38.7 30.6 45.8
100 14.5 12.0 18.0



#44
Toluene
Concen: 4.682 ug/L
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000643.D
Acq: 12 Nov 2019 09:28

Tgt Ion: 91 Resp: 112889
Ion Ratio Lower Upper
91 100
92 60.6 39.5 73.4





#45

trans-1,3-Dichloropropene

Concen: 4.313 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

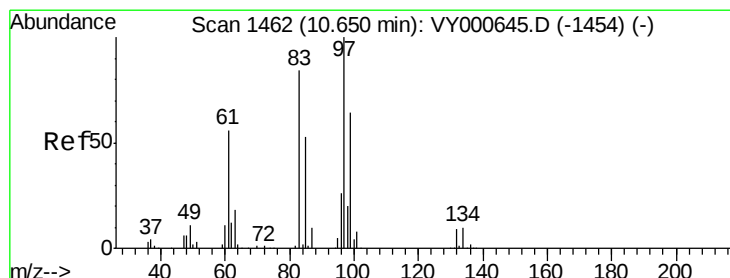
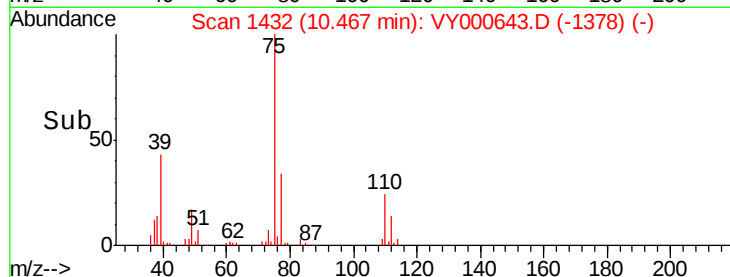
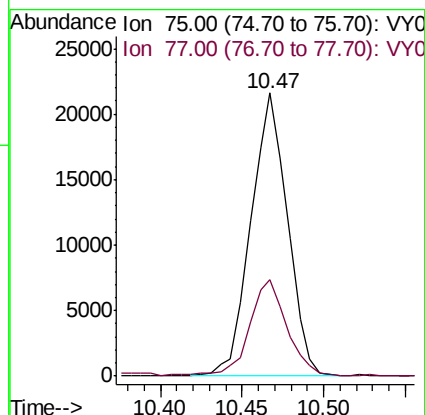
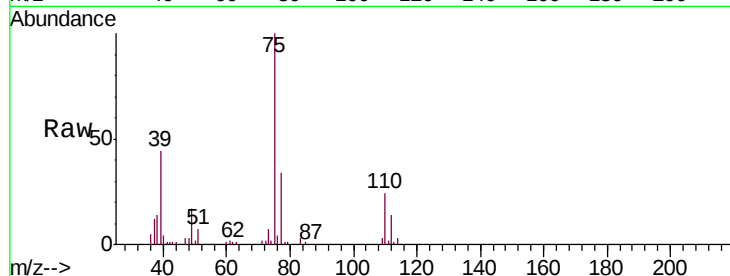
VSTD2.578

Tgt Ion: 75 Resp: 33738

Ion Ratio Lower Upper

75 100

77 34.3 20.4 37.8



#46

1,1,2-Trichloroethane

Concen: 4.811 ug/L

RT: 10.64 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Tgt Ion: 97 Resp: 22304

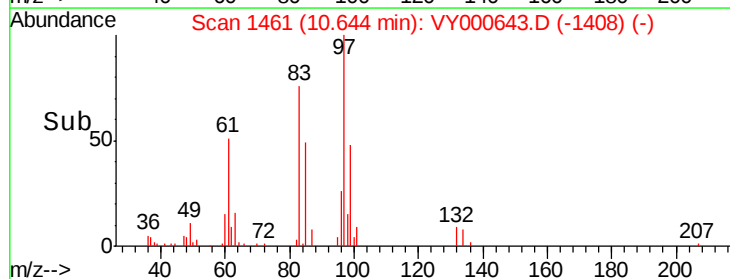
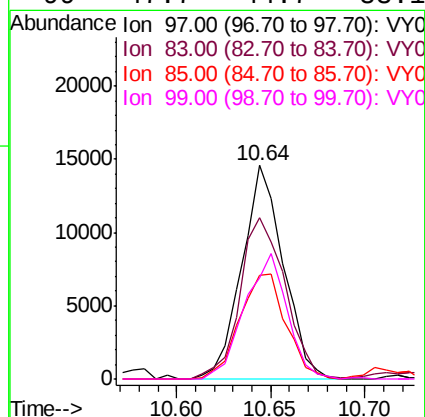
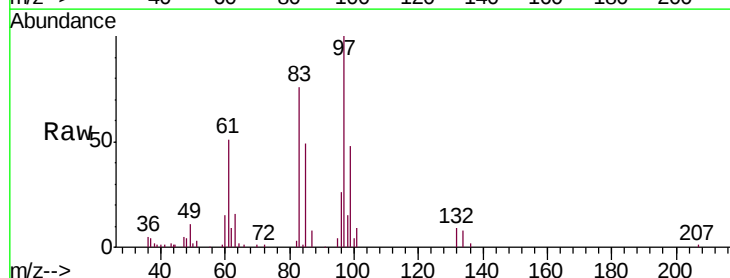
Ion Ratio Lower Upper

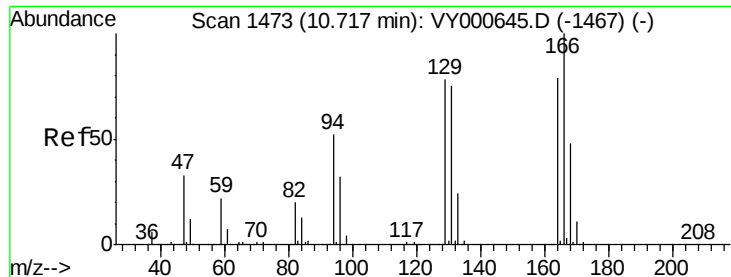
97 100

83 75.6 58.7 109.1

85 48.7 37.3 69.3

99 47.7 44.7 83.1





#47

Tetrachloroethene

Concen: 5.306 ug/L

RT: 10.72 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampled :

VSTD2.578

Tgt Ion:164 Resp: 23172

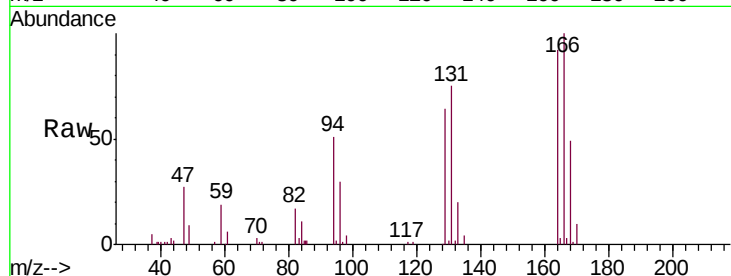
Ion Ratio Lower Upper

164 100

129 69.7 69.6 129.2

131 80.9 66.8 124.2

166 108.2 89.0 165.2

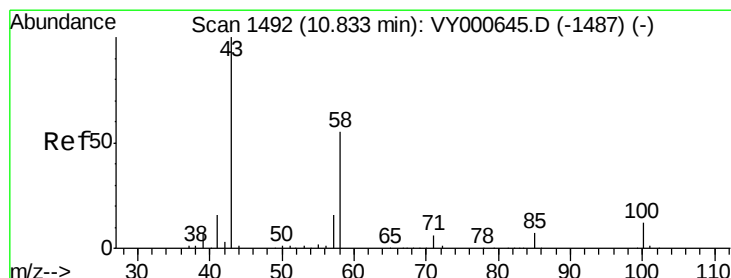
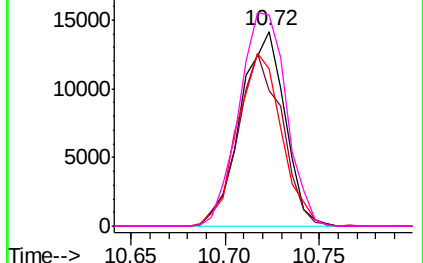
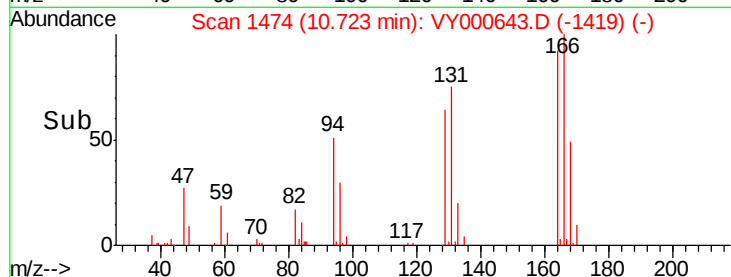


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 8.303 ug/L

RT: 10.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Tgt Ion: 43 Resp: 34962

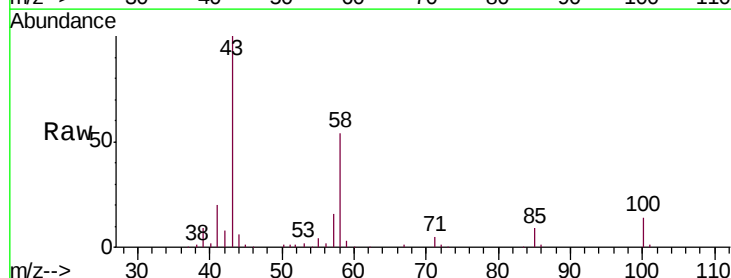
Ion Ratio Lower Upper

43 100

58 54.0 44.1 66.1

57 19.6 13.9 20.9

100 11.6 9.5 14.3

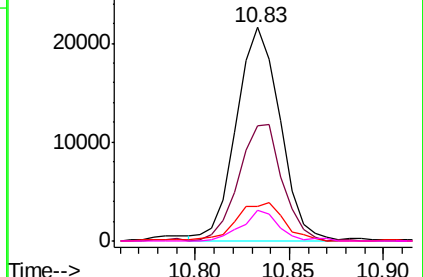
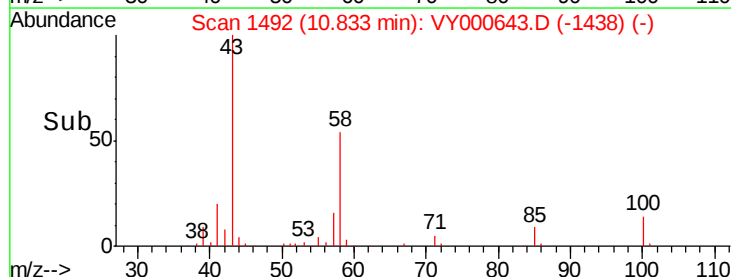


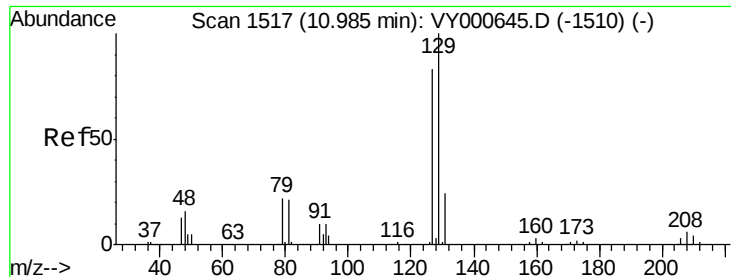
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#50

Dibromochloromethane

Concen: 4.524 ug/L

RT: 10.99 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

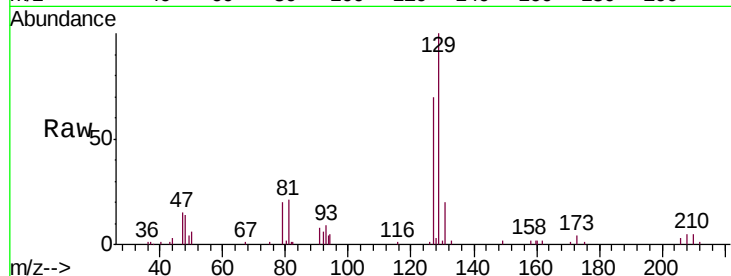
VSTD2.578

Tgt Ion:129 Resp: 23697

Ion Ratio Lower Upper

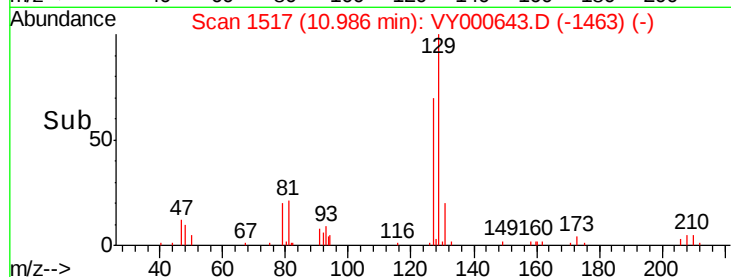
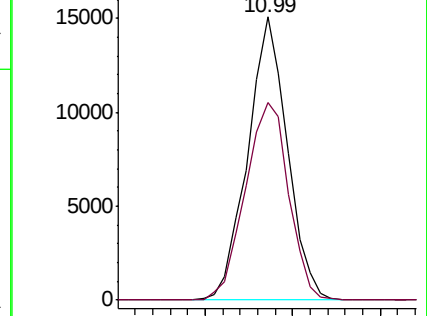
129 100

127 69.9 57.9 107.5

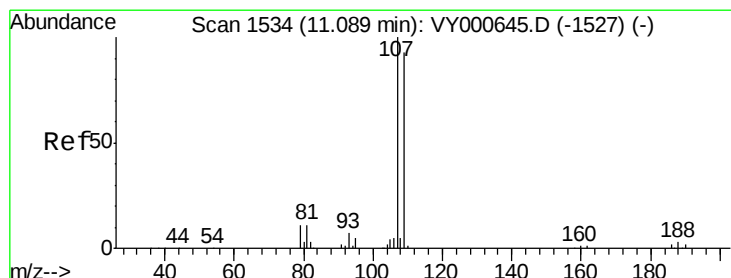


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#51

1,2-Dibromoethane

Concen: 4.527 ug/L

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

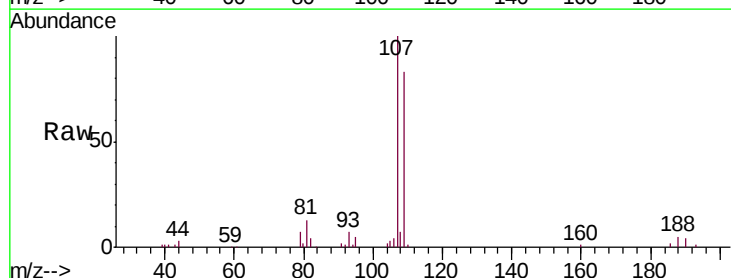
Tgt Ion:107 Resp: 20427

Ion Ratio Lower Upper

107 100

109 82.9 65.5 121.6

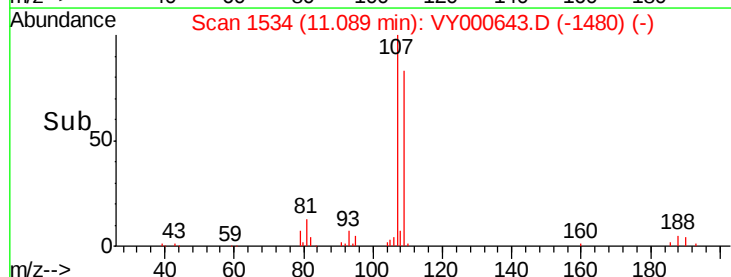
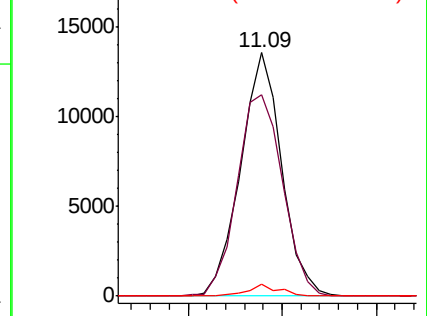
188 4.8 2.7 4.1#



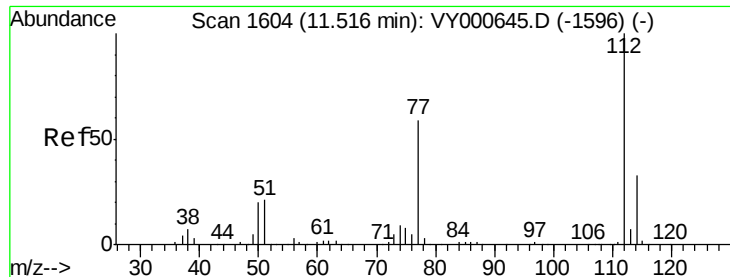
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



Time-->



#52

Chlorobenzene

Concen: 4.916 ug/L

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

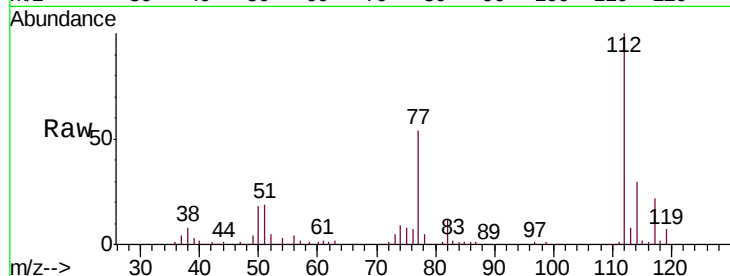
Tgt Ion: 112 Resp: 75225

Ion Ratio Lower Upper

112 100

77 54.4 47.4 71.0

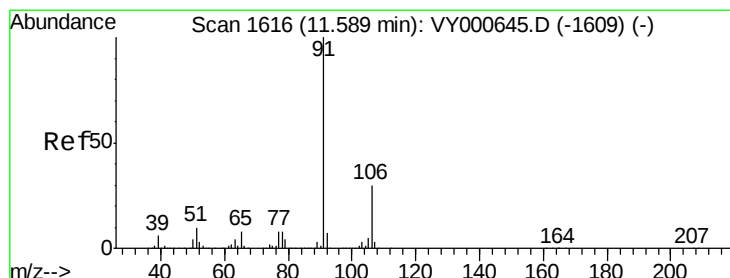
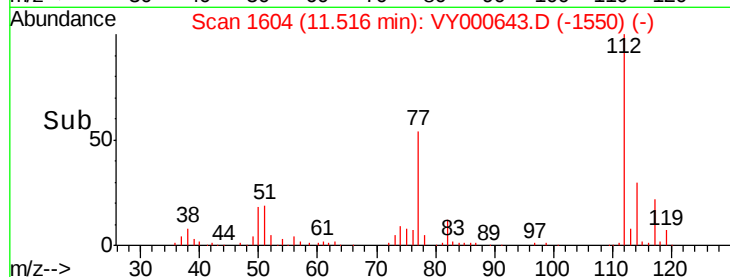
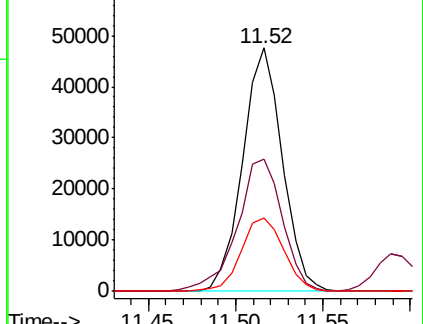
114 30.0 23.0 42.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 4.733 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000643.D

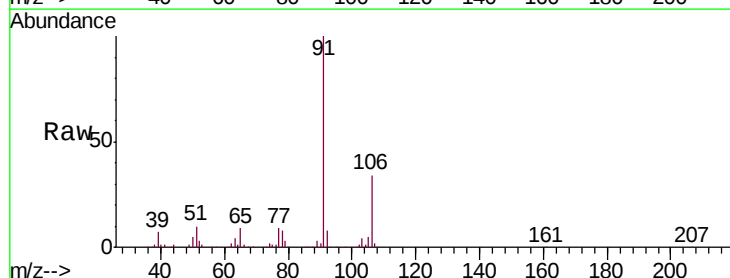
Acq: 12 Nov 2019 09:28

Tgt Ion: 91 Resp: 129103

Ion Ratio Lower Upper

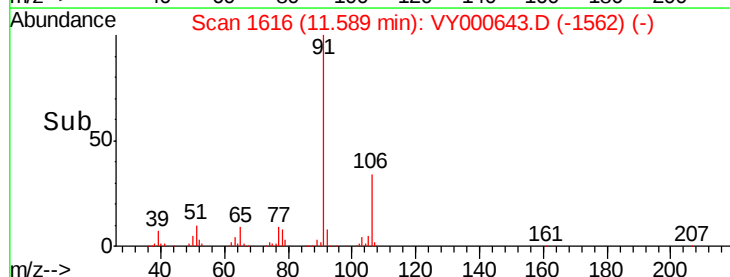
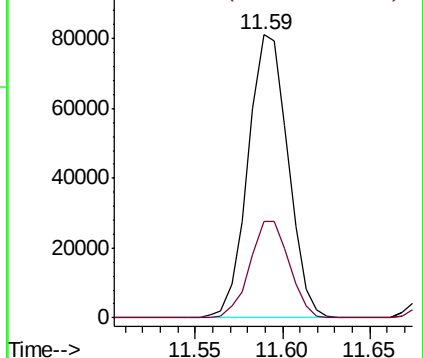
91 100

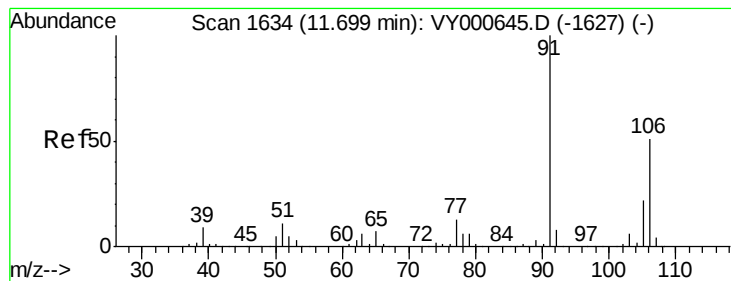
106 34.0 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 4.840 ug/L

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

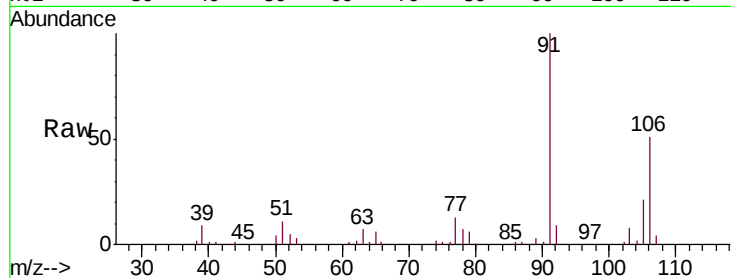
VSTD2.578

Tgt Ion:106 Resp: 49963

Ion Ratio Lower Upper

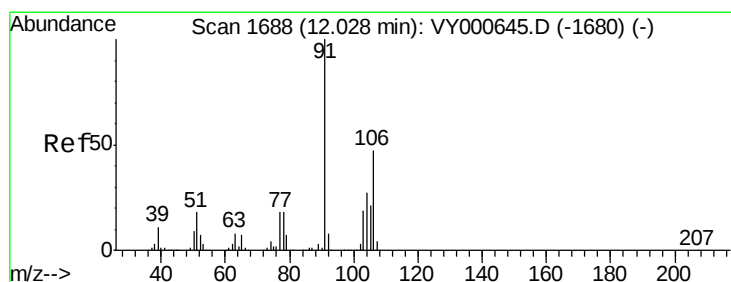
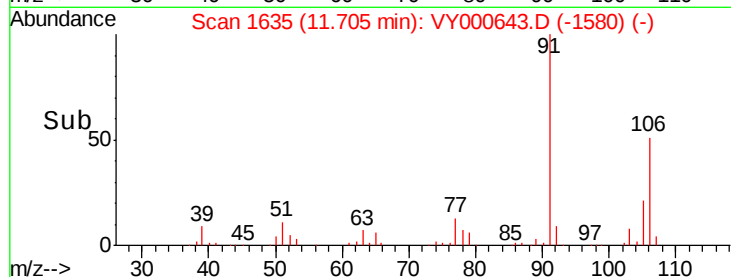
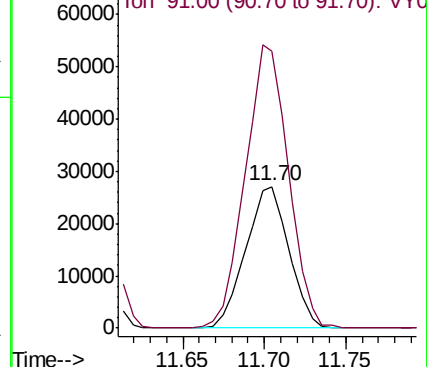
106 100

91 195.9 137.4 255.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 4.727 ug/L

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY000643.D

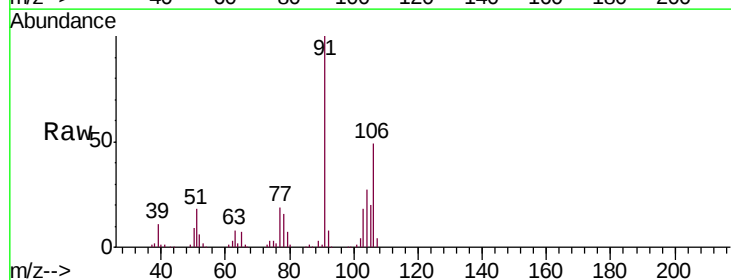
Acq: 12 Nov 2019 09:28

Tgt Ion:106 Resp: 47898

Ion Ratio Lower Upper

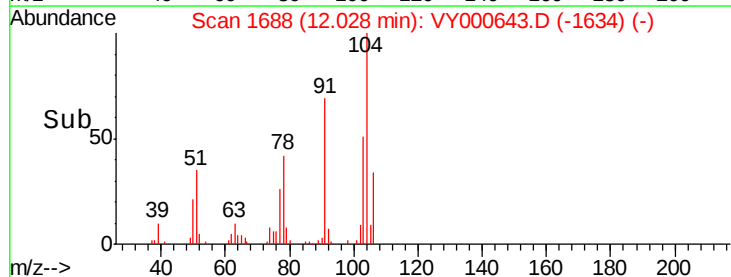
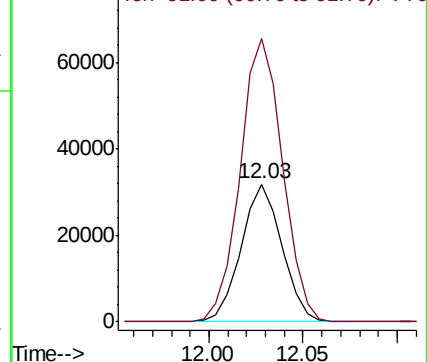
106 100

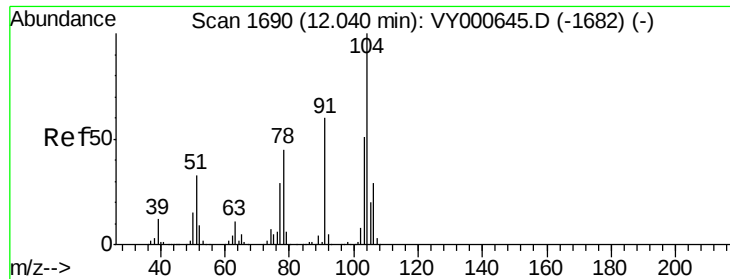
91 205.8 147.8 274.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#56

Styrene

Concen: 4.551 ug/L

RT: 12.05 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

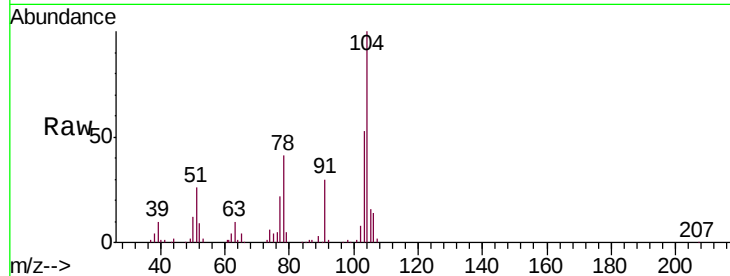
VSTD2.578

Tgt Ion:104 Resp: 76614

Ion Ratio Lower Upper

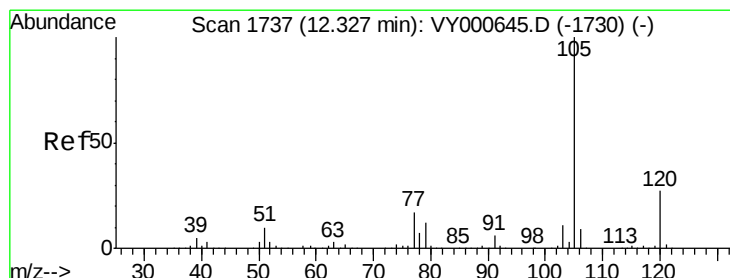
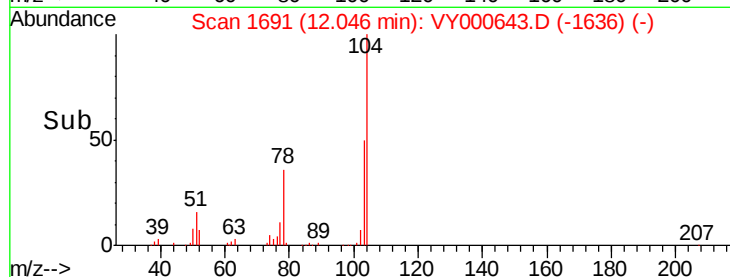
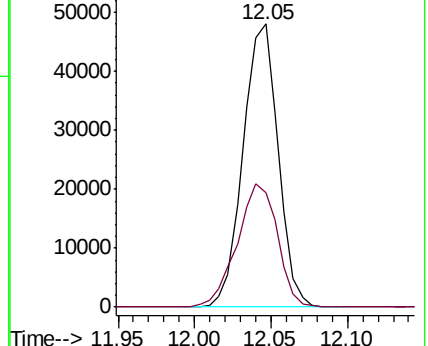
104 100

78 40.6 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0



#57

Isopropylbenzene

Concen: 4.859 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

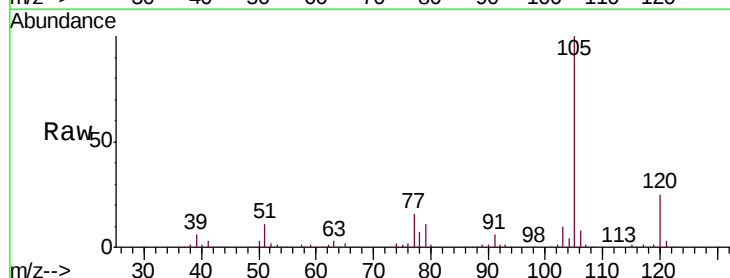
Tgt Ion:105 Resp: 128097

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

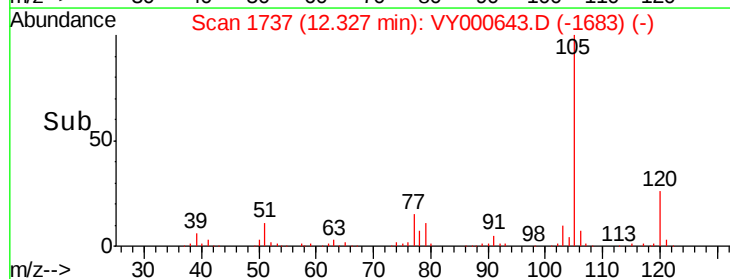
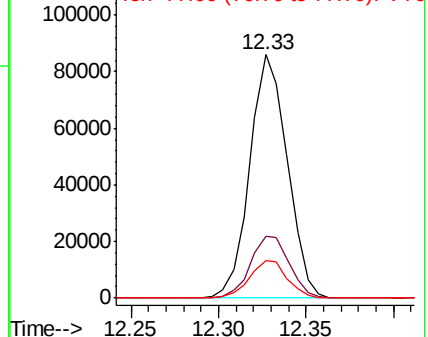
77 15.6 12.6 19.0

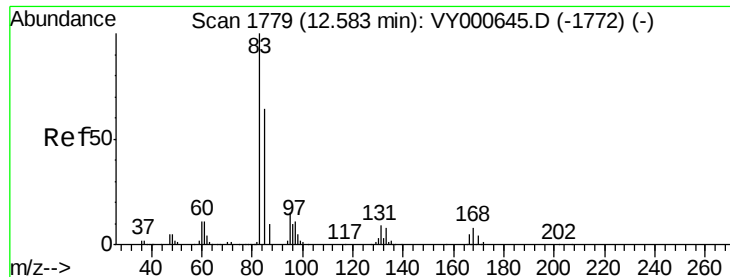


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VY0





#58

1,1,2,2-Tetrachloroethane

Concen: 4.347 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

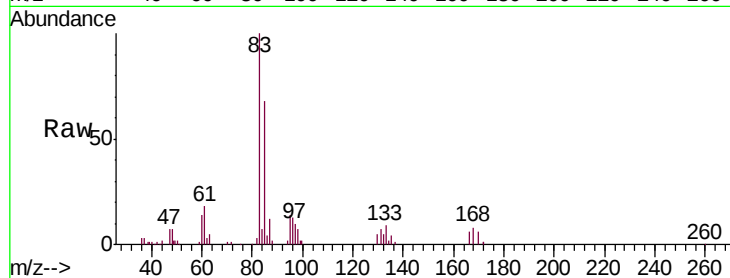
Tgt Ion: 83 Resp: 25149

Ion Ratio Lower Upper

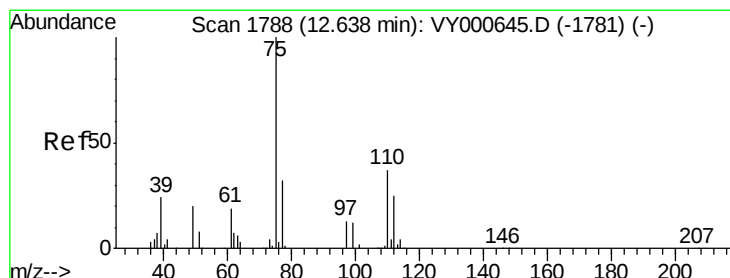
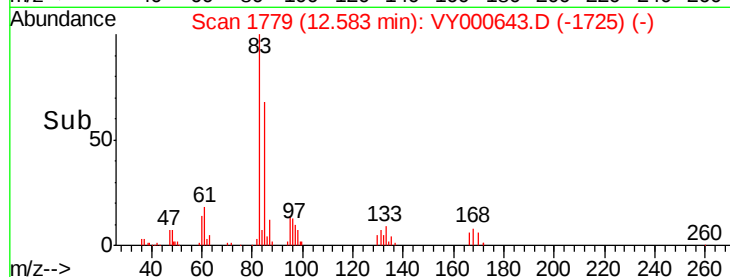
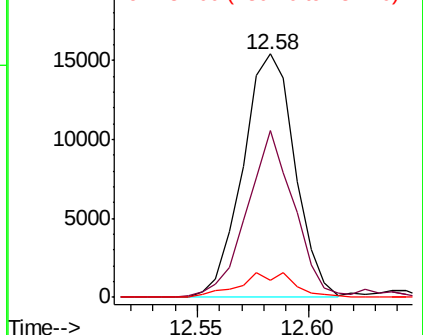
83 100

85 68.4 45.0 83.6

131 7.2 7.8 11.6#



Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 85.00 (84.70 to 85.70): VY0
Ion 131.00 (130.70 to 131.70): VY0



#59

1,2,3-Trichloropropane

Concen: 4.531 ug/L

RT: 12.64 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VY000643.D

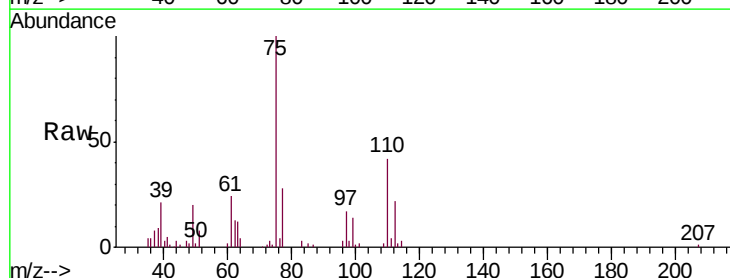
Acq: 12 Nov 2019 09:28

Tgt Ion: 75 Resp: 21313

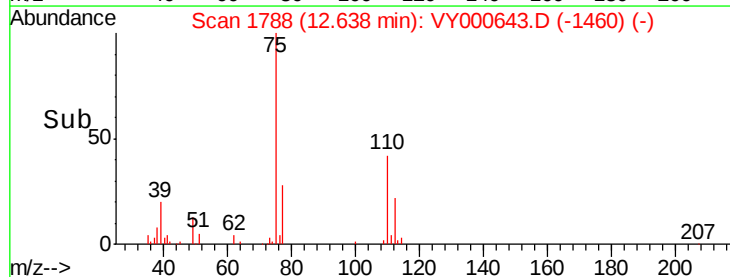
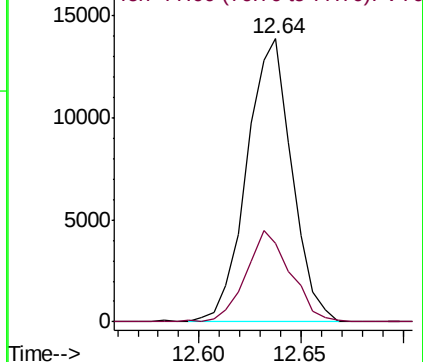
Ion Ratio Lower Upper

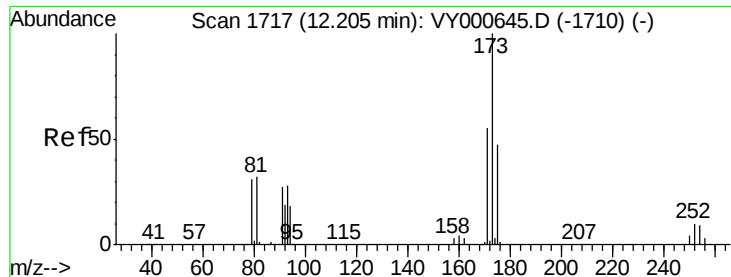
75 100

77 32.0 26.4 39.6



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





#62

Bromoform

Concen: 4.408 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

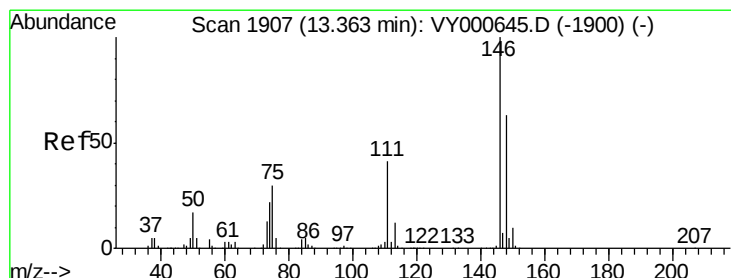
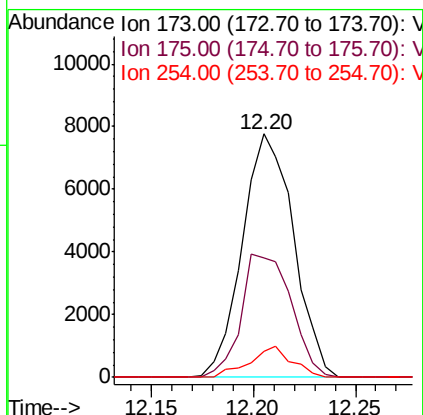
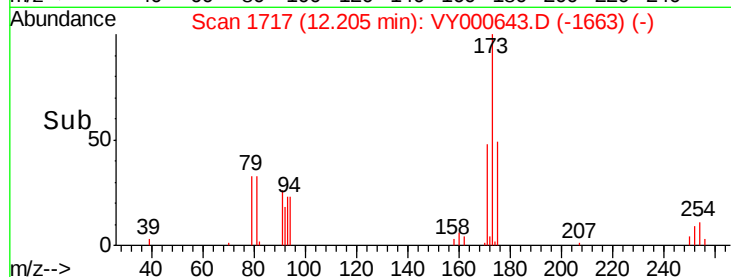
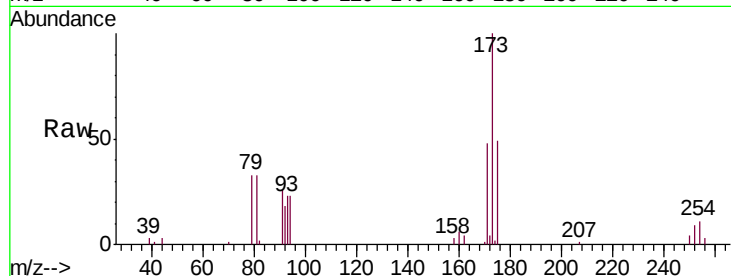
Tgt Ion:173 Resp: 13600

Ion Ratio Lower Upper

173 100

175 49.1 37.8 56.6

254 10.4 7.7 11.5



#63

1,3-Dichlorobenzene

Concen: 4.856 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

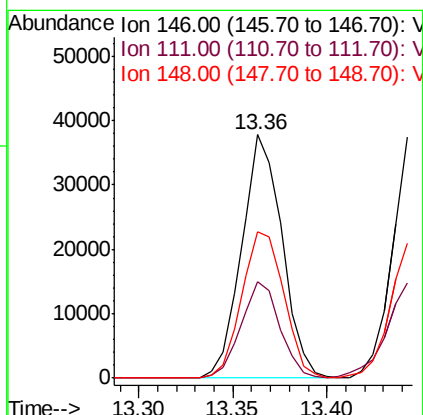
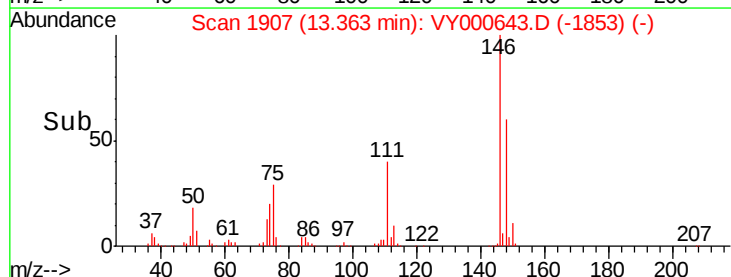
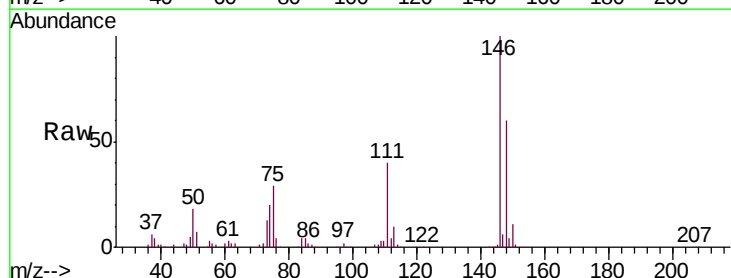
Tgt Ion:146 Resp: 56268

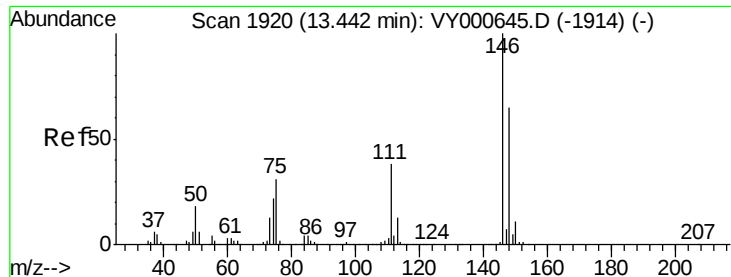
Ion Ratio Lower Upper

146 100

111 39.8 28.8 53.6

148 60.2 44.3 82.3





#64

1,4-Dichlorobenzene

Concen: 4.912 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.578

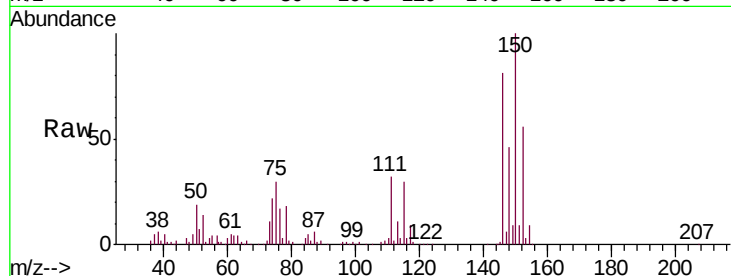
Tgt Ion:146 Resp: 56886

Ion Ratio Lower Upper

146 100

111 39.7 26.7 49.5

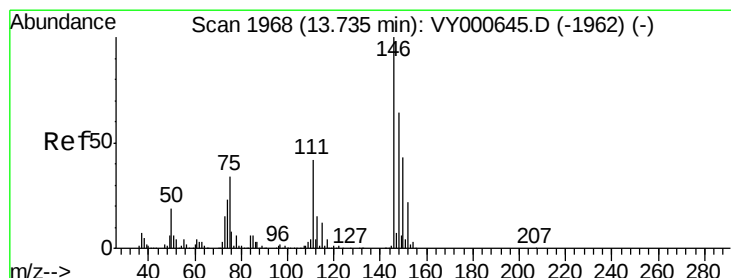
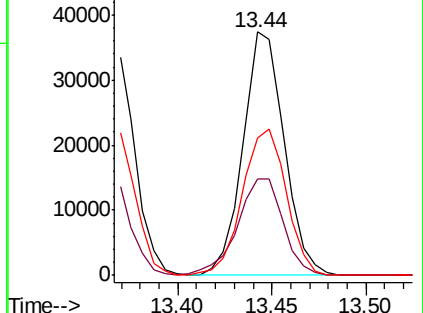
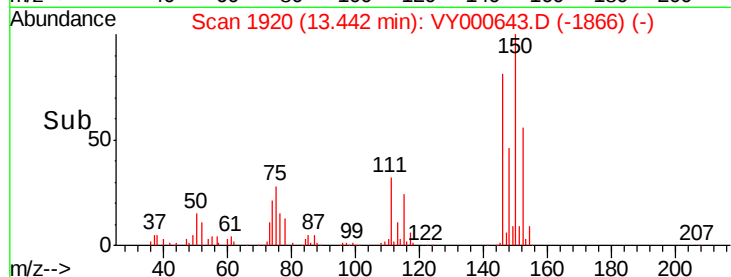
148 56.3 45.2 84.0



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: 4.809 ug/L

RT: 13.74 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VY000643.D

Acq: 12 Nov 2019 09:28

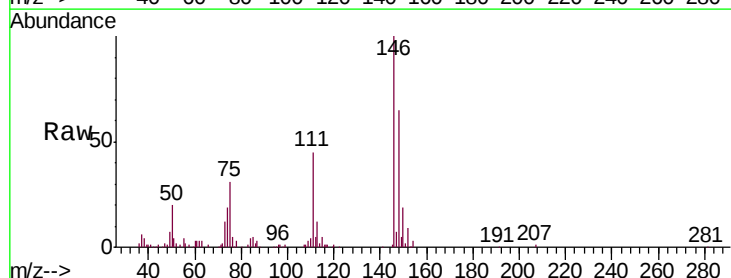
Tgt Ion:146 Resp: 51603

Ion Ratio Lower Upper

146 100

111 45.1 33.8 50.8

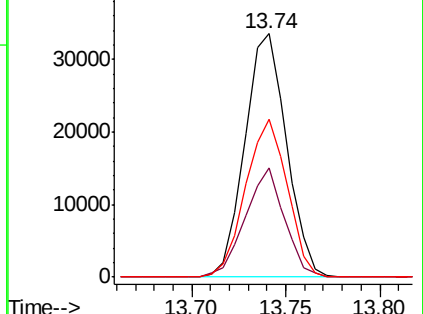
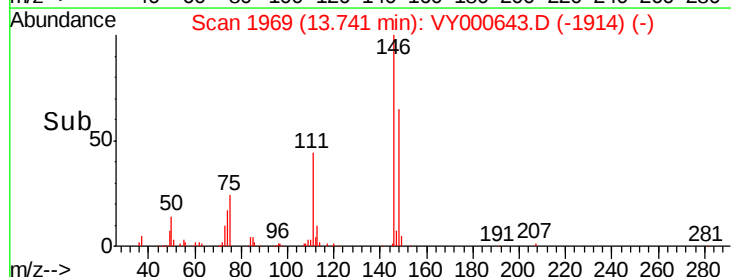
148 64.8 51.0 76.6

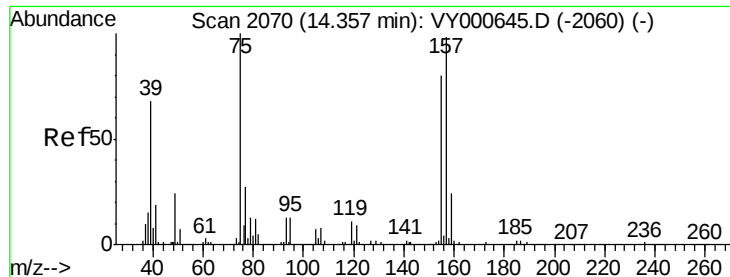


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

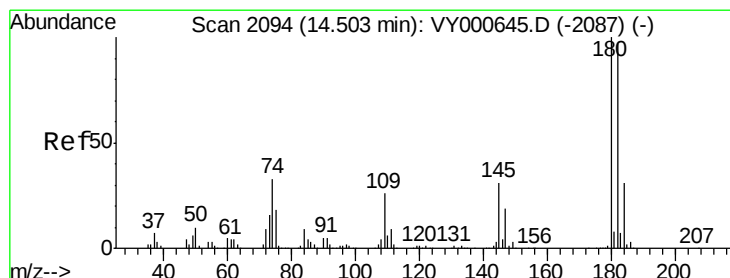
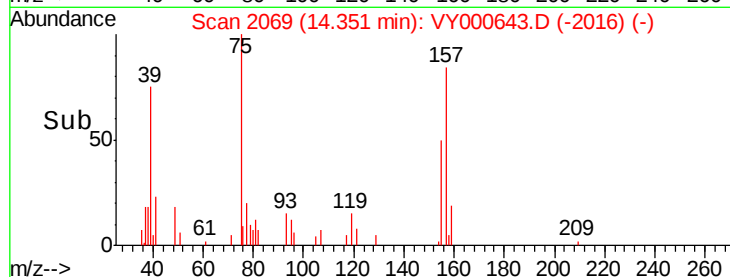
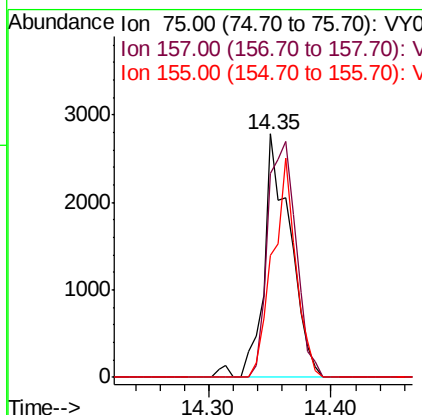
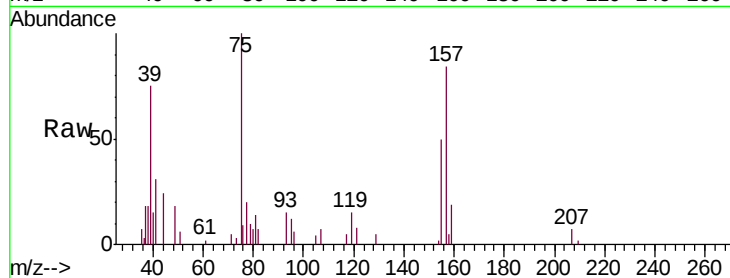




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.117 ug/L
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

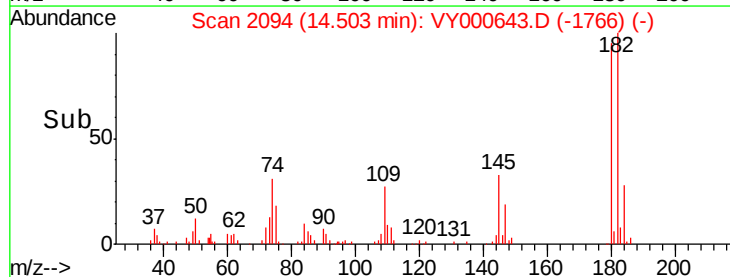
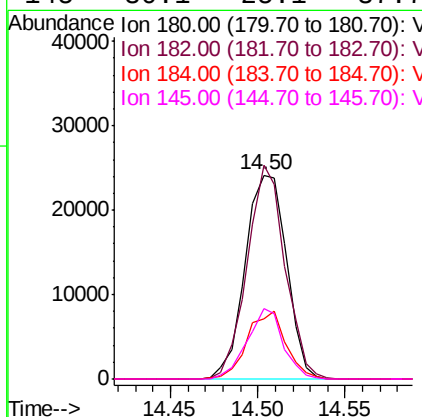
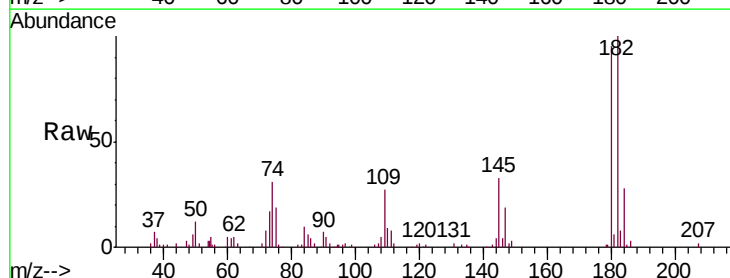
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

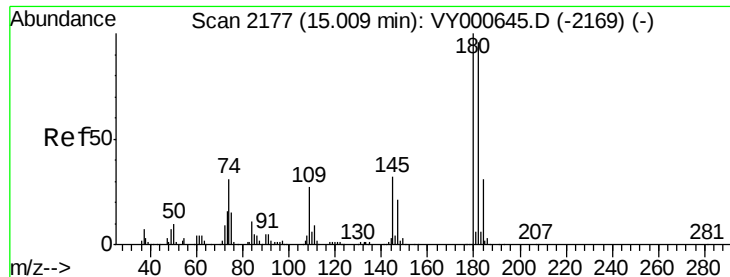
Tgt Ion: 75 Resp: 4198
 Ion Ratio Lower Upper
 75 100
 157 83.9 78.1 117.1
 155 50.3 64.2 96.4#



#67
 1,3,5-Trichlorobenzene
 Concen: 4.928 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion: 180 Resp: 39807
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.6 113.4
 184 30.9 24.5 36.7
 145 30.1 25.1 37.7

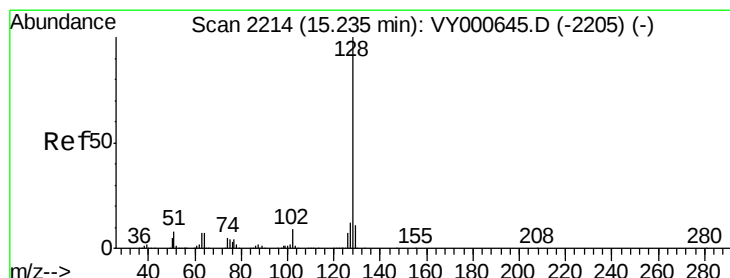
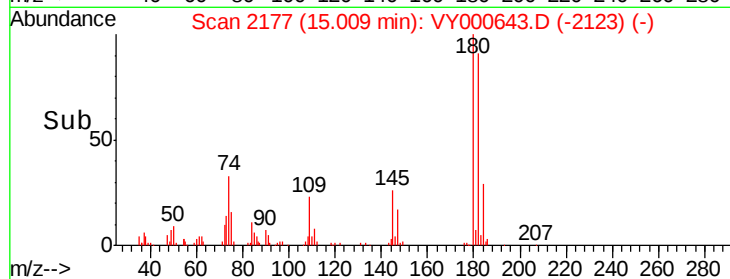
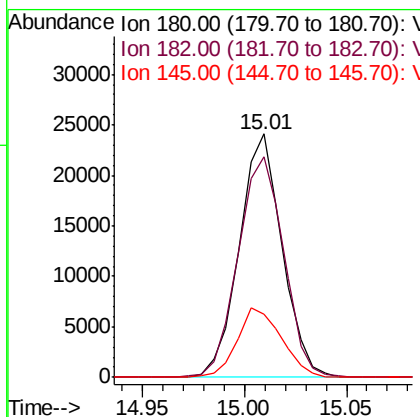
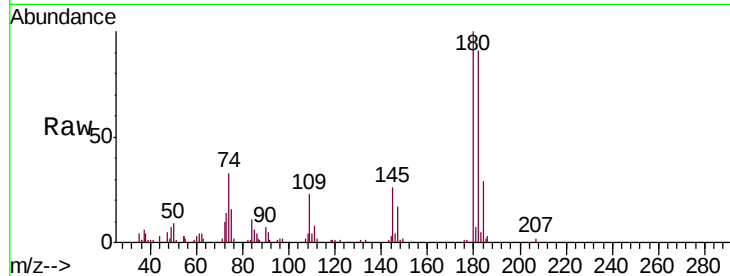




#68
 1,2,4-trichlorobenzene
 Concen: 4.877 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

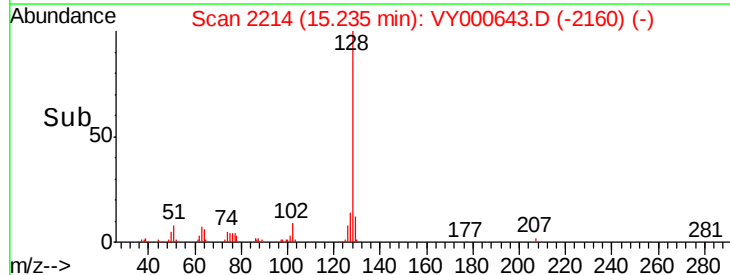
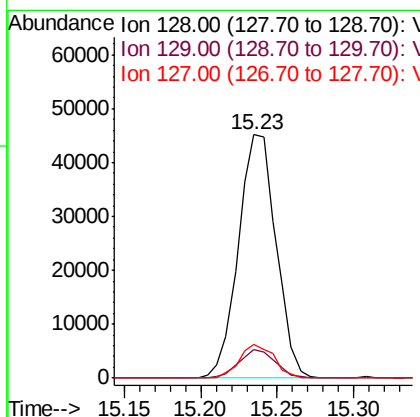
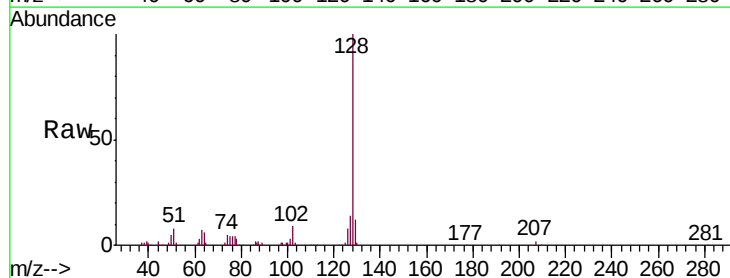
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

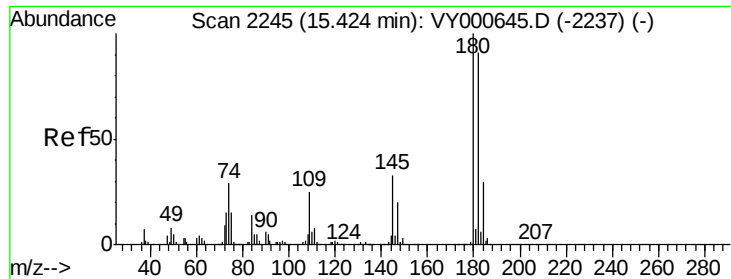
Tgt Ion:180 Resp: 35210
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.5 116.3
 145 29.5 25.4 38.2



#69
 Naphthalene
 Concen: 4.293 ug/L
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Tgt Ion:128 Resp: 77244
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.4 12.6
 127 12.7 9.8 14.6





#70
 1,2,3-Trichlorobenzene
 Concen: 4.803 ug/L
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY000643.D
 Acq: 12 Nov 2019 09:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Tgt Ion:180 Resp: 32239
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.2 114.4
 145 32.8 26.6 39.8

