

Data File : VY001253.D
Acq On : 16 Jan 2020 09:57
Operator : SY/MD
Sample : VSTD2.577
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

Quant Time: Jan 17 01:50:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL011620SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 17 01:48:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	322866	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	294665	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	138293	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	10031	2.10	ug/L	0.00
7) Chloroethane-d5	2.76	69	8126	1.93	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	16736	1.99	ug/L	0.00
21) 2-Butanone-d5	6.90	46	6036	2.76	ug/L	0.00
24) Chloroform-d	7.49	84	13664	1.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	7487	1.51	ug/L	0.00
32) Benzene-d6	8.11	84	29432	1.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	9067	1.73	ug/L	0.00
41) Toluene-d8	10.18	98	27012	1.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	4271	1.63	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	4847	2.86	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	8543	1.50	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	8704	1.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	13355	2.916 ug/L	97
3) Chloromethane	2.11	50	14044	2.427 ug/L	93
5) Vinyl chloride	2.25	62	14541	2.650 ug/L	98
6) Bromomethane	2.66	94	7624	2.878 ug/L	93
8) Chloroethane	2.80	64	8239	2.476 ug/L	96
9) Trichlorofluoromethane	3.13	101	17583	2.344 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	10465	2.383 ug/L	97
12) 1,1-Dichloroethene	3.87	96	10484	2.483 ug/L	92
13) Acetone	3.96	43	12486	5.704 ug/L	94
14) Carbon disulfide	4.20	76	34756	2.580 ug/L	99
15) Methyl Acetate	4.49	43	8292	2.294 ug/L	95
16) Methylene chloride	4.72	84	15278	2.970 ug/L	97
17) trans-1,2-Dichloroethene	5.22	96	11405	2.438 ug/L	91
18) Methyl tert-butyl Ether	5.23	73	31046	2.336 ug/L	# 82
19) 1,1-Dichloroethane	6.03	63	19760	2.418 ug/L	95
20) cis-1,2-Dichloroethene	7.00	96	13083	2.506 ug/L	95
22) 2-Butanone	6.99	43	14044	4.464 ug/L	94
23) Bromochloromethane	7.34	128	5770	2.457 ug/L	89
25) Chloroform	7.52	83	19328	2.303 ug/L	95
27) 1,2-Dichloroethane	8.24	62	13317	2.232 ug/L	# 92
29) Cyclohexane	7.78	56	19923	2.485 ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	16225	2.337 ug/L	99
31) Carbon tetrachloride	7.91	117	14668	2.300 ug/L	96
33) Benzene	8.17	78	46613	2.438 ug/L	100
34) Trichloroethene	8.94	95	11774	2.348 ug/L	97
35) Methylcyclohexane	9.19	83	21225	2.448 ug/L	99
37) 1,2-Dichloropropane	9.22	63	11618	2.384 ug/L	99
38) Bromodichloromethane	9.50	83	14312	2.326 ug/L	# 99
39) cis-1,3-Dichloropropene	9.93	75	18834	2.409 ug/L	100
40) 4-Methyl-2-pentanone	10.07	43	23190	4.323 ug/L	99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.24	91	49608	2.431	ug/L	97
44) trans-1,3-Dichloropropene	10.47	75	16182	2.353	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	9449	2.296	ug/L	97
46) Tetrachloroethene	10.72	164	8800	2.285	ug/L	95
48) 2-Hexanone	10.83	43	16117	3.812	ug/L	97
49) Dibromochloromethane	10.99	129	10662	2.312	ug/L	100
50) 1,2-Dibromoethane	11.09	107	9954	2.379	ug/L	98
51) Chlorobenzene	11.52	112	31407	2.410	ug/L	98
52) Ethylbenzene	11.59	91	56147	2.415	ug/L	100
53) m,p-Xylene	11.70	106	20918	2.350	ug/L	98
54) o-Xylene	12.03	106	20611	2.394	ug/L	97
55) Styrene	12.04	104	34244	2.330	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	13363	2.368	ug/L	96
59) Bromoform	12.20	173	6390	2.203	ug/L	98
60) Isopropylbenzene	12.33	105	53321	2.440	ug/L	97
61) 1,2,3-Trichloropropane	12.63	75	9649	2.229	ug/L	94
62) 1,3,5-Trimethylbenzene	12.81	105	42573	2.386	ug/L #	61
63) 1,2,4-Trimethylbenzene	13.12	105	42645	2.426	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	23938	2.457	ug/L	95
65) 1,4-Dichlorobenzene	13.44	146	24048	2.449	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	22449	2.463	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.36	75	2468	2.421	ug/L	95
69) 1,3,5-Trichlorobenzene	14.50	180	16626	2.485	ug/L	98
70) 1,2,4-trichlorobenzene	15.01	180	15024	2.467	ug/L	98
71) Naphthalene	15.23	128	37801	2.360	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	13743	2.442	ug/L	99

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

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Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

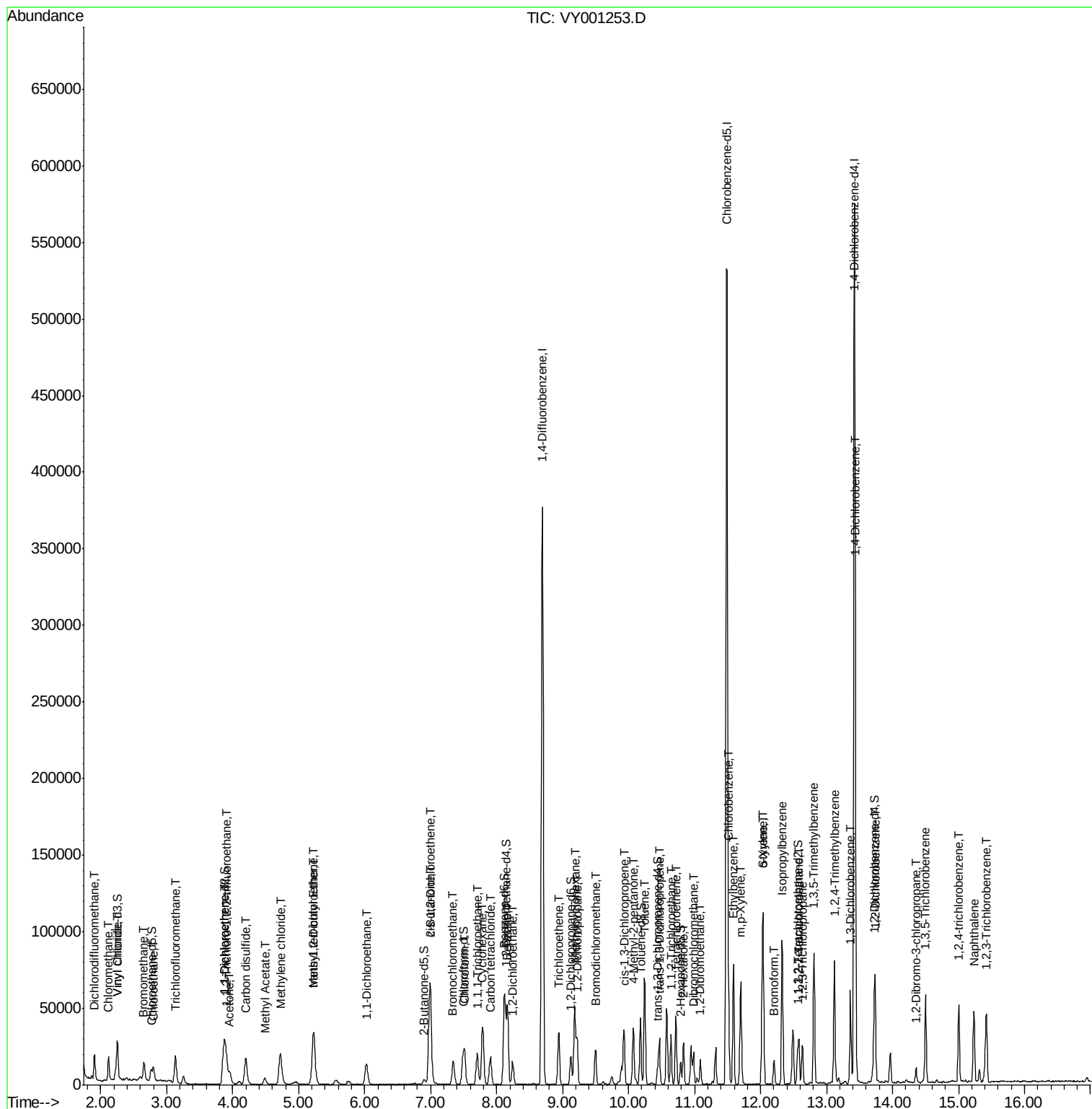
Quant Time: Jan 17 01:50:40 2020

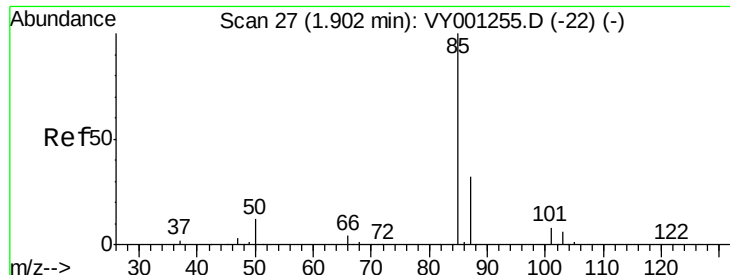
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL011620SMA.M

Quant Title : VOC Analysis

QLast Update : Fri Jan 17 01:48:20 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.916 ug/L

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

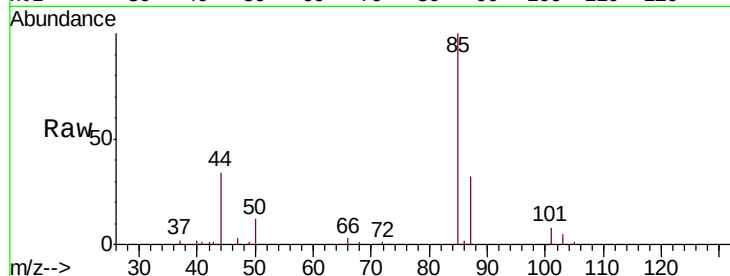
VSTD2.577

Tgt Ion: 85 Resp: 13355

Ion Ratio Lower Upper

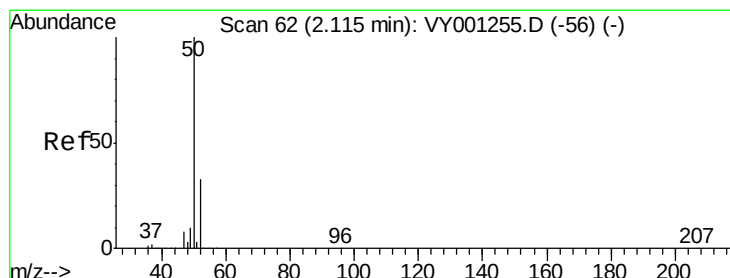
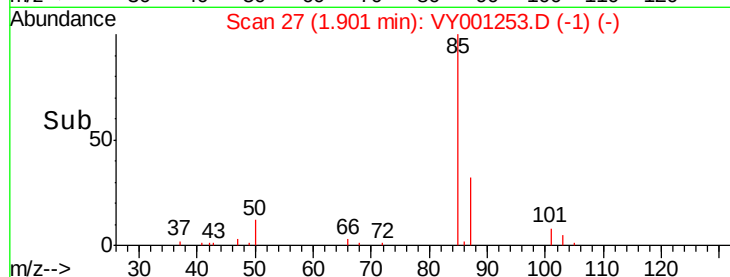
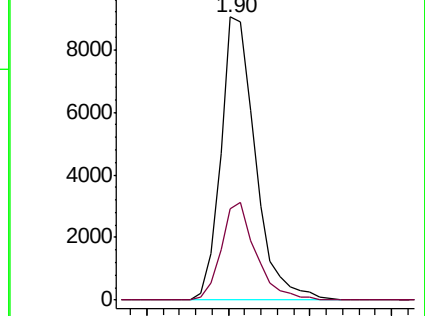
85 100

87 34.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#3

Chloromethane

Concen: 2.427 ug/L

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001253.D

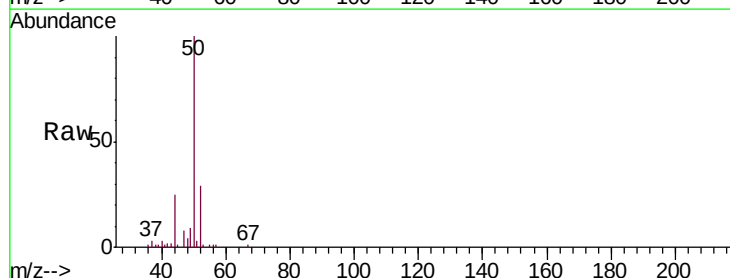
Acq: 16 Jan 2020 09:57

Tgt Ion: 50 Resp: 14044

Ion Ratio Lower Upper

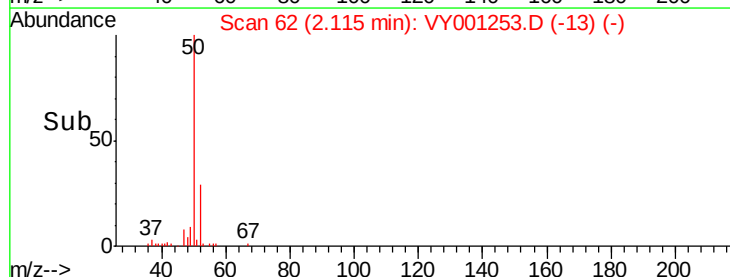
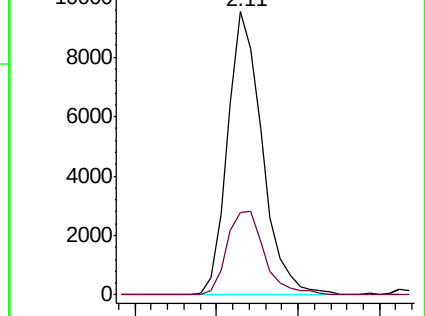
50 100

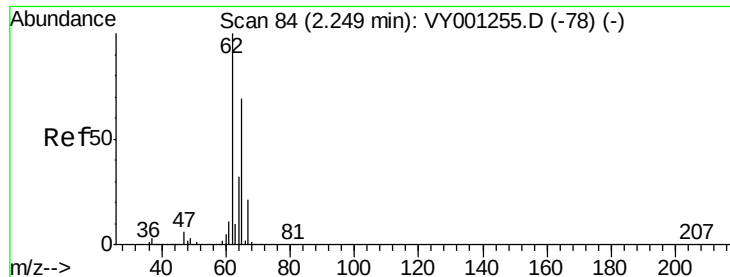
52 29.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#5

Vinyl chloride

Concen: 2.650 ug/L

RT: 2.25 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

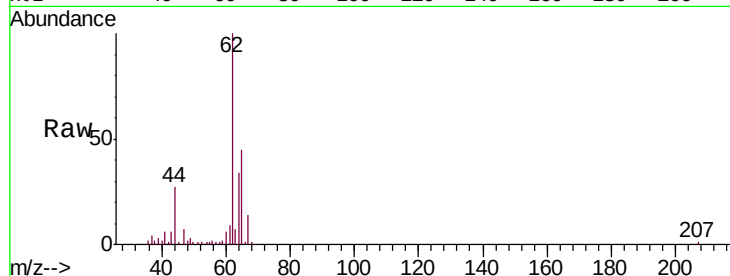
VSTD2.577

Tgt Ion: 62 Resp: 14541

Ion Ratio Lower Upper

62 100

64 33.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VY0

Ion 64.00 (63.70 to 64.70): VY0

2.25

10000

8000

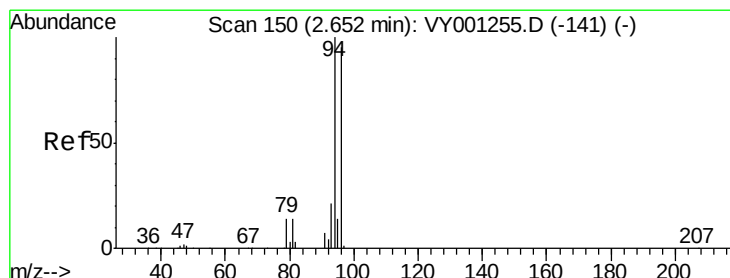
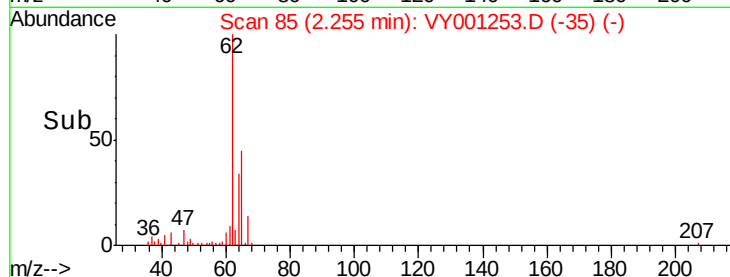
6000

4000

2000

0

Time-->



#6

Bromomethane

Concen: 2.878 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY001253.D

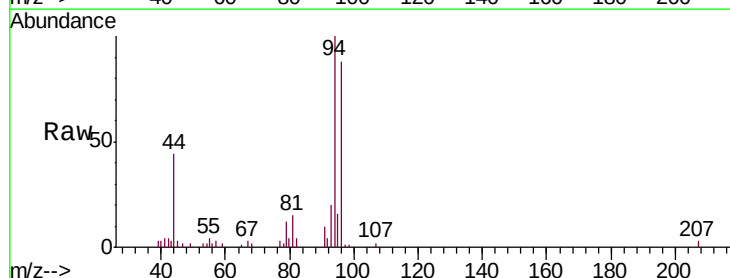
Acq: 16 Jan 2020 09:57

Tgt Ion: 94 Resp: 7624

Ion Ratio Lower Upper

94 100

96 88.4 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VY0

Ion 96.00 (95.70 to 96.70): VY0

2.66

4000

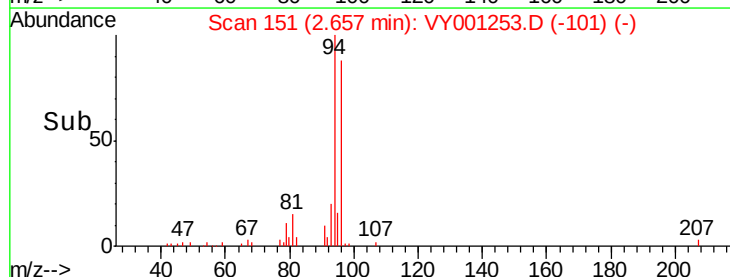
3000

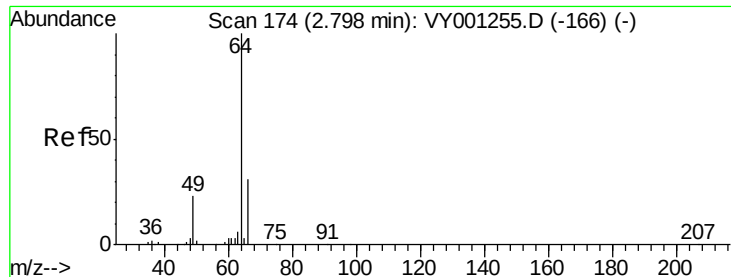
2000

1000

0

Time-->





#8

Chloroethane

Concen: 2.476 ug/L

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

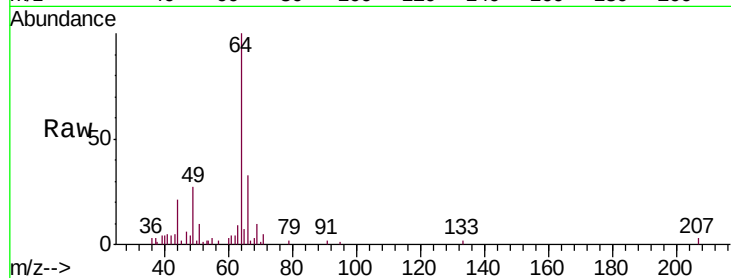
VSTD2.577

Tgt Ion: 64 Resp: 8239

Ion Ratio Lower Upper

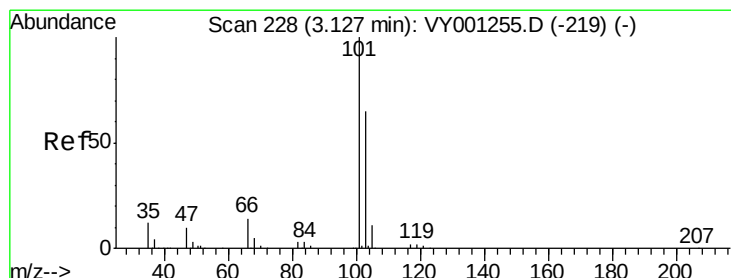
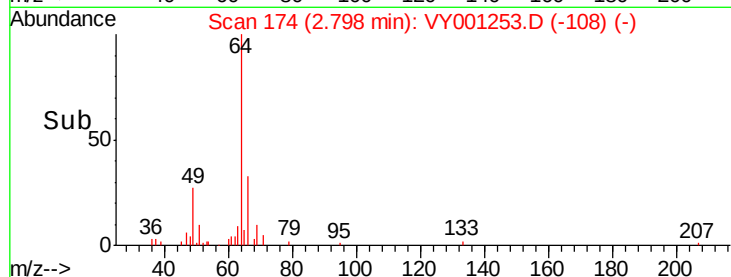
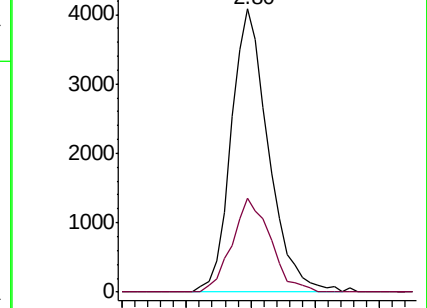
64 100

66 33.4 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VY0

Ion 66.00 (65.70 to 66.70): VY0



#9

Trichlorofluoromethane

Concen: 2.344 ug/L

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY001253.D

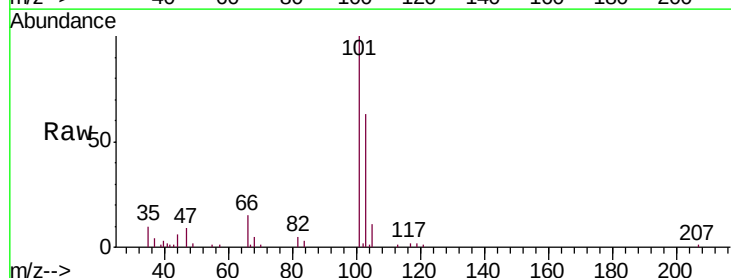
Acq: 16 Jan 2020 09:57

Tgt Ion: 101 Resp: 17583

Ion Ratio Lower Upper

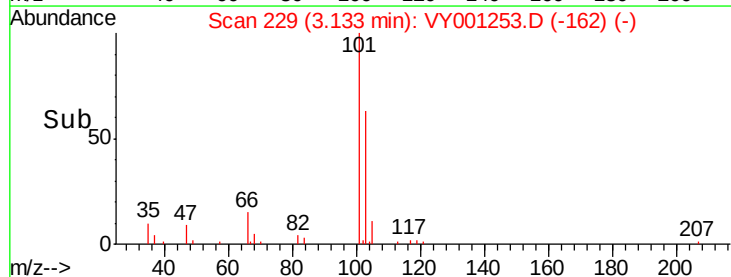
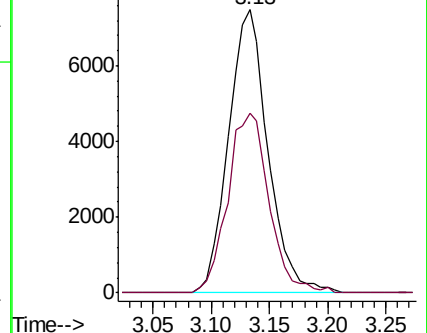
101 100

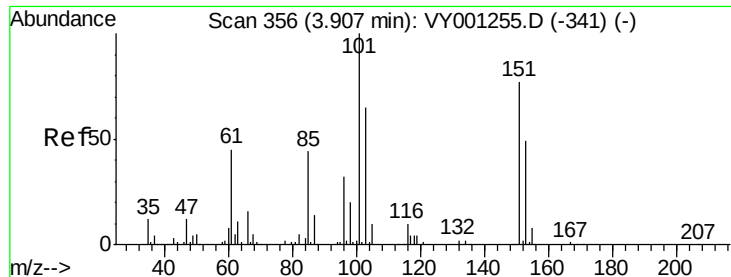
103 66.0 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 2.383 ug/L

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

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ClientSampleId :

VSTD2.577

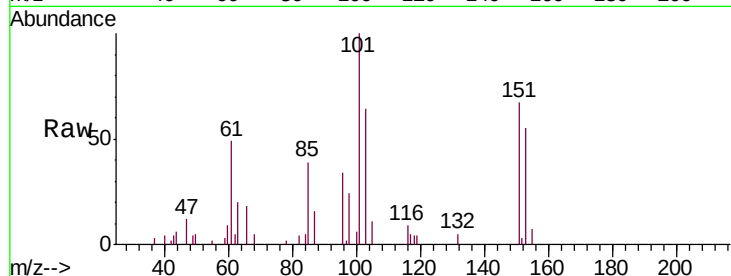
Tgt Ion: 101 Resp: 10465

Ion Ratio Lower Upper

101 100

85 41.0 34.8 52.2

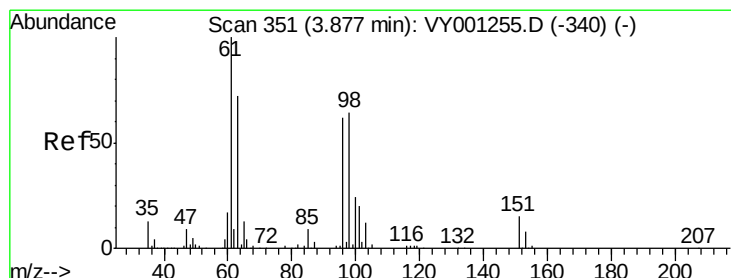
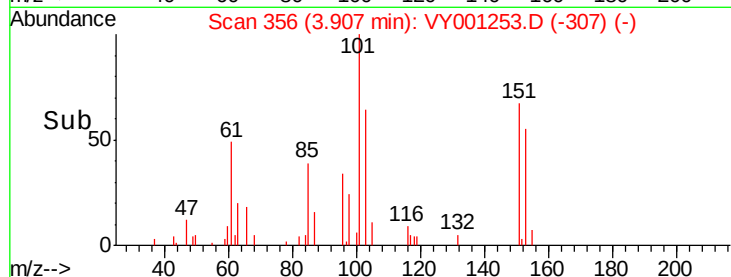
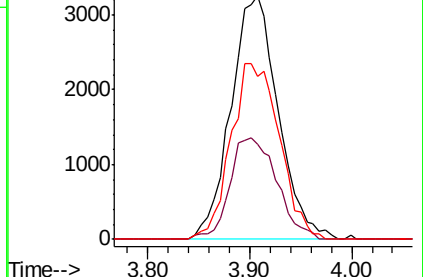
151 74.2 60.7 91.1



Abundance Ion 101.00 (100.70 to 101.70): VY001253.D (-341) (-)

Ion 85.00 (84.70 to 85.70): VY001253.D (-341) (-)

Ion 151.00 (150.70 to 151.70): VY001253.D (-341) (-)



#12

1,1-Dichloroethene

Concen: 2.483 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

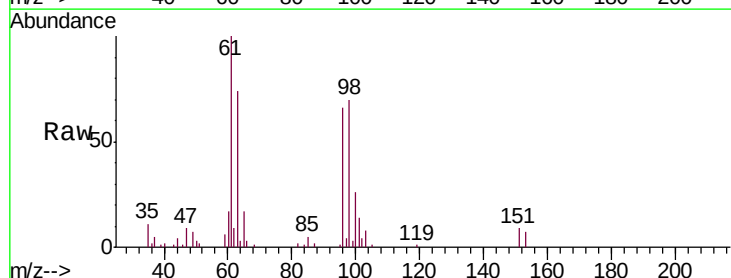
Tgt Ion: 96 Resp: 10484

Ion Ratio Lower Upper

96 100

61 151.0 112.9 209.7

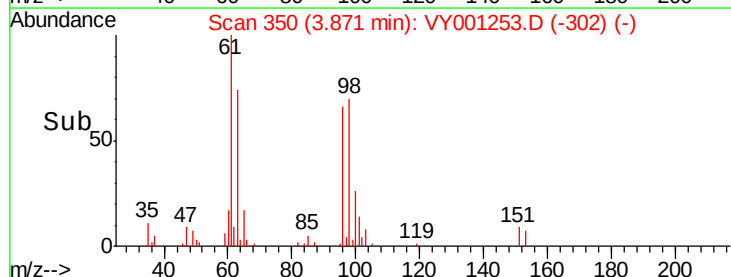
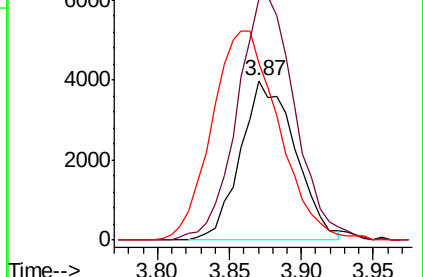
63 111.1 84.6 157.0

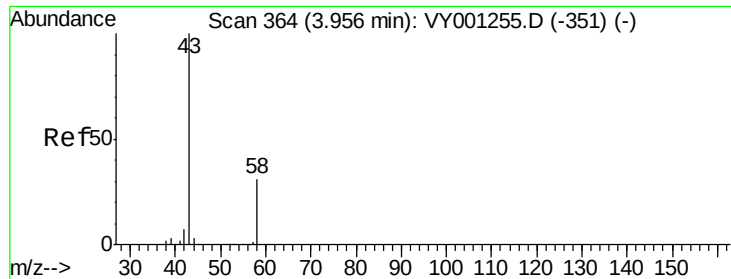


Abundance Ion 96.00 (95.70 to 96.70): VY001253.D (-340) (-)

Ion 61.00 (60.70 to 61.70): VY001253.D (-340) (-)

Ion 63.00 (62.70 to 63.70): VY001253.D (-340) (-)





#13

Acetone

Concen: 5.704 ug/L

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

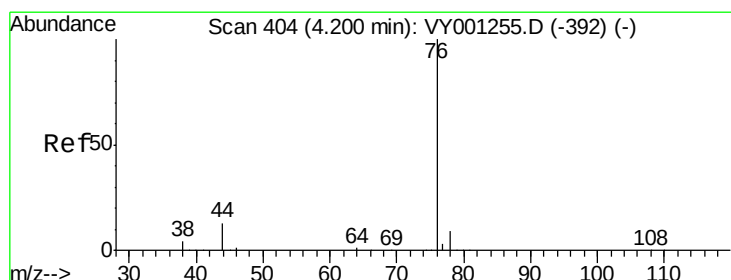
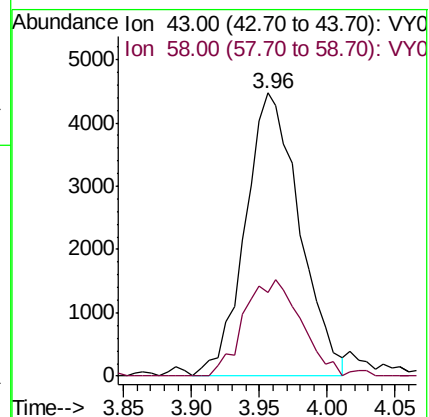
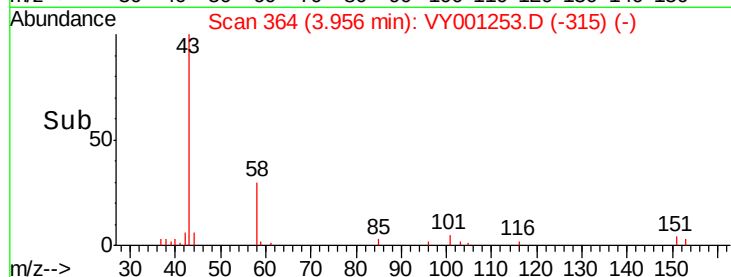
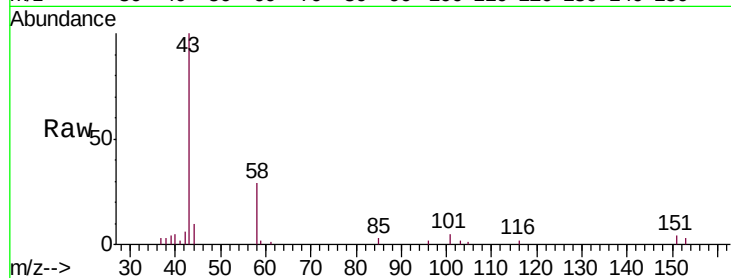
VSTD2.577

Tgt Ion: 43 Resp: 12486

Ion Ratio Lower Upper

43 100

58 35.6 0.0 64.6



#14

Carbon disulfide

Concen: 2.580 ug/L

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY001253.D

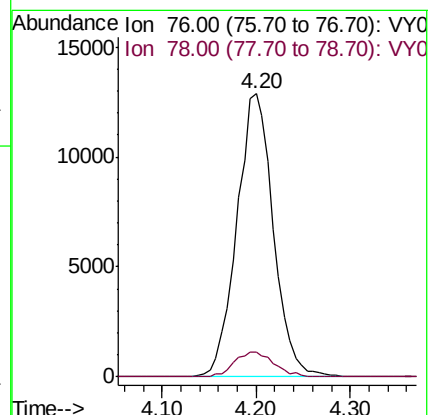
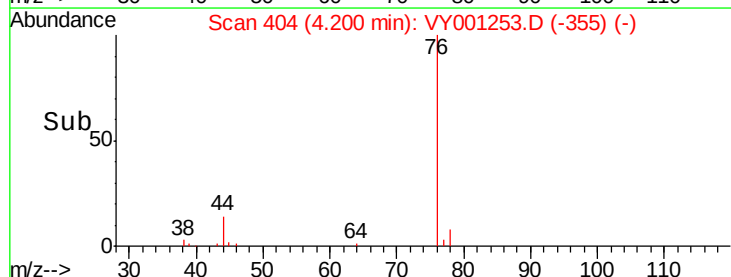
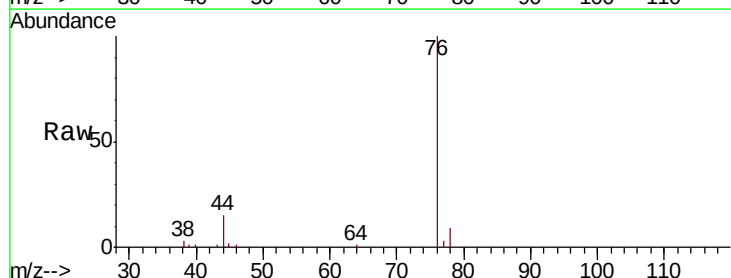
Acq: 16 Jan 2020 09:57

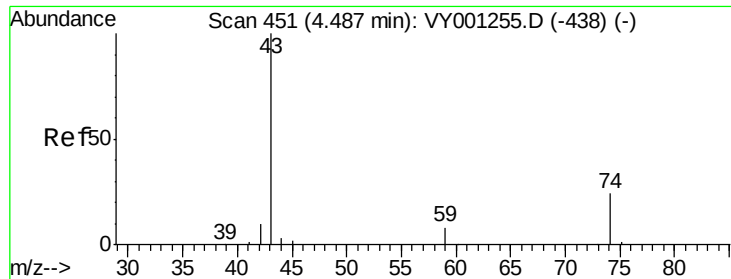
Tgt Ion: 76 Resp: 34756

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

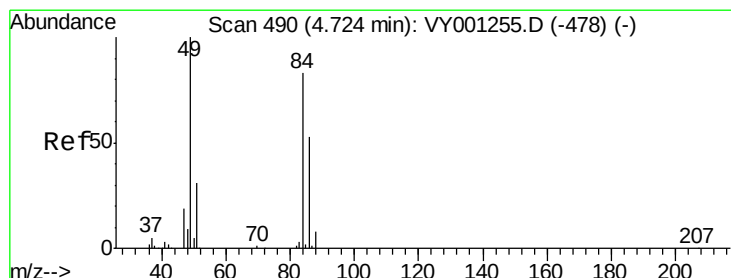
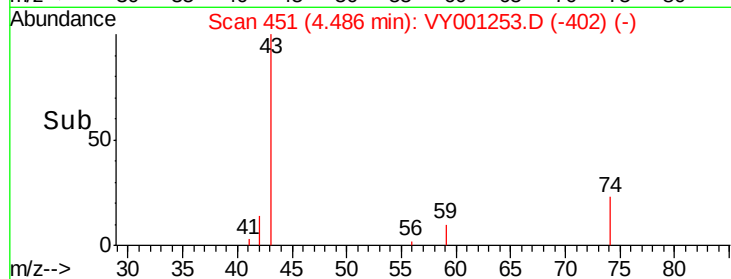
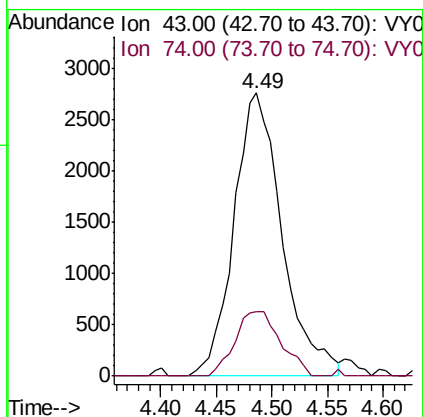
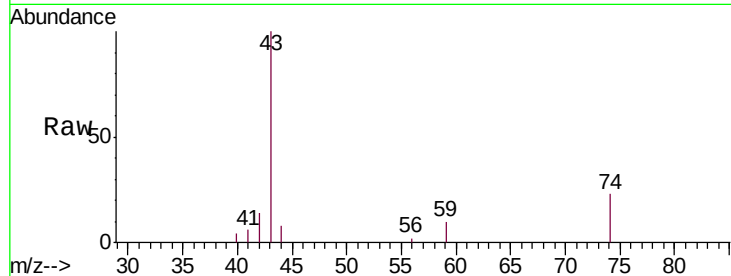




#15
Methyl Acetate
Concen: 2.294 ug/L
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

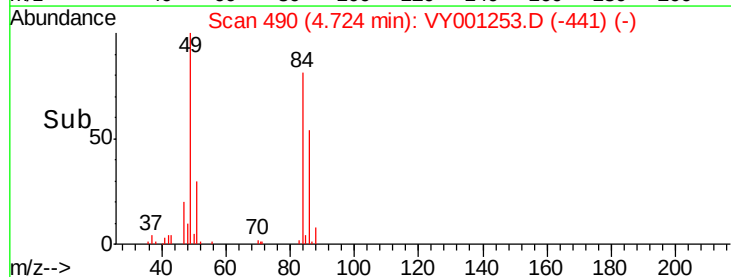
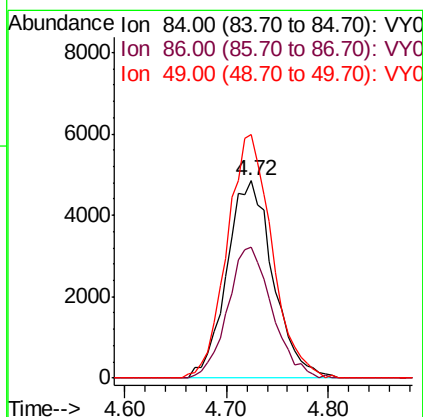
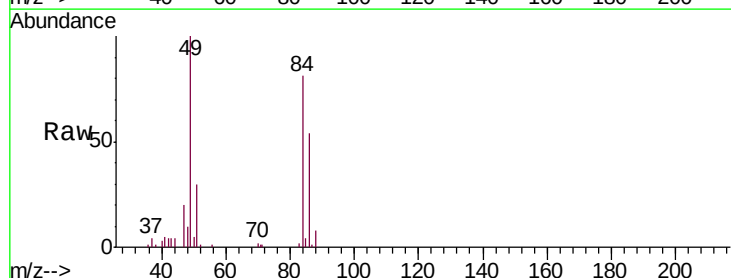
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

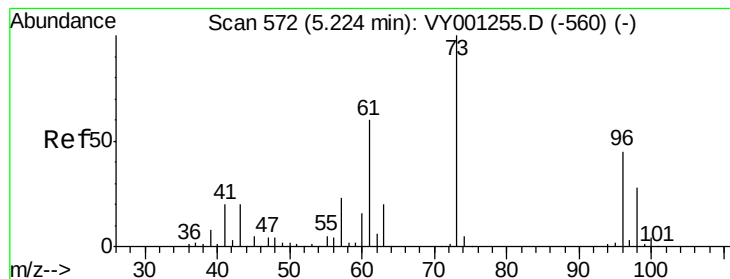
Tgt Ion: 43 Resp: 8292
Ion Ratio Lower Upper
43 100
74 21.6 19.4 29.2



#16
Methylene chloride
Concen: 2.970 ug/L
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

Tgt Ion: 84 Resp: 15278
Ion Ratio Lower Upper
84 100
86 66.6 44.6 82.8
49 123.4 84.4 156.7





#17

trans-1,2-Dichloroethene

Concen: 2.438 ug/L

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

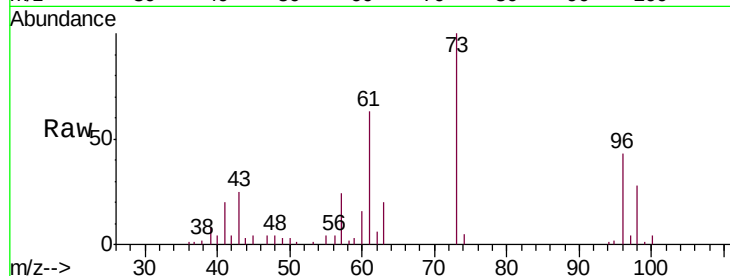
Tgt Ion: 96 Resp: 11405

Ion Ratio Lower Upper

96 100

61 146.1 93.2 173.0

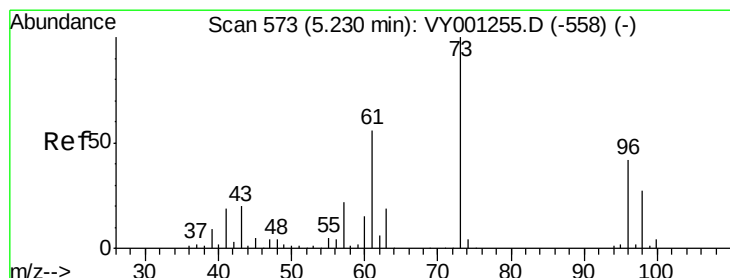
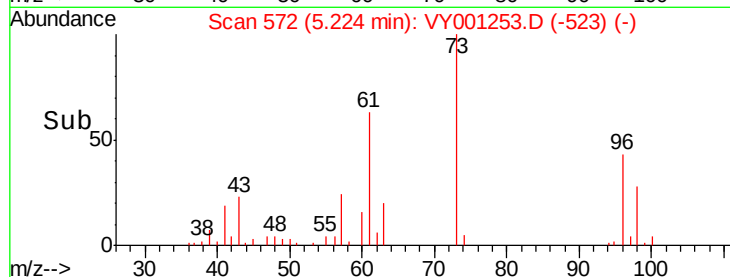
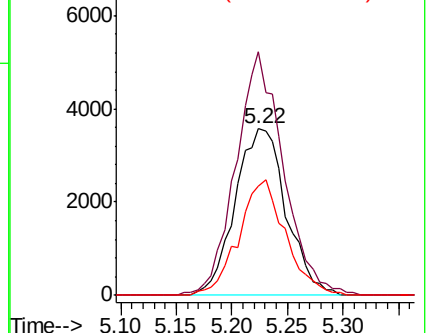
98 65.1 43.1 80.1



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: 2.336 ug/L

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

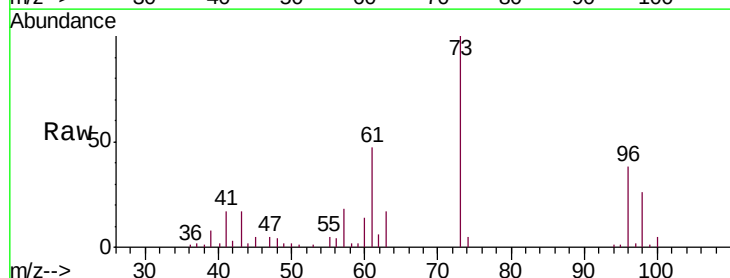
Tgt Ion: 73 Resp: 31046

Ion Ratio Lower Upper

73 100

43 12.3 15.8 23.6#

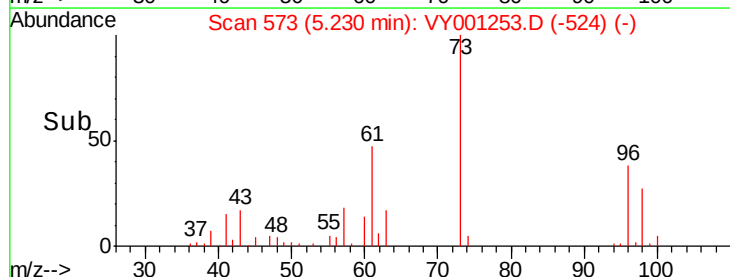
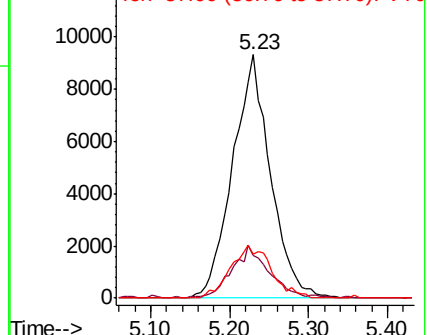
57 13.4 18.0 27.0#

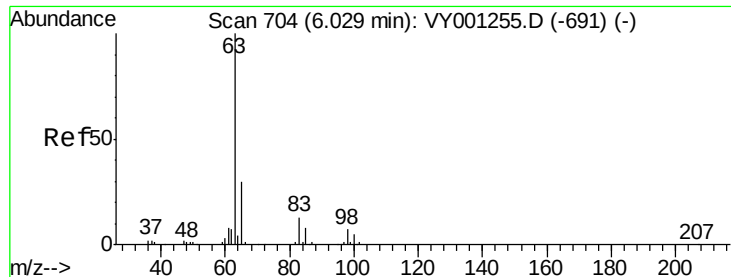


Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

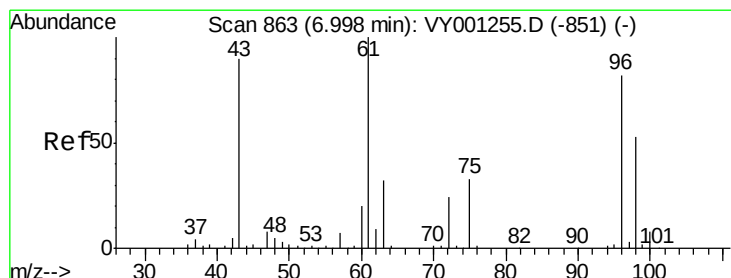
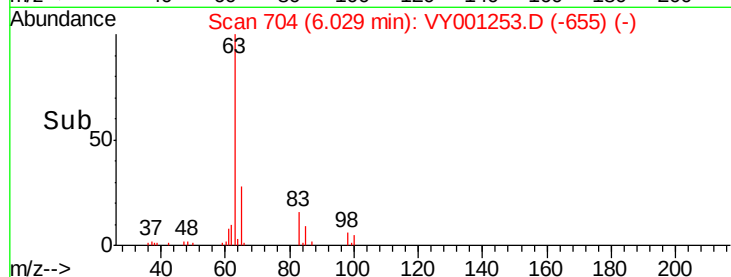
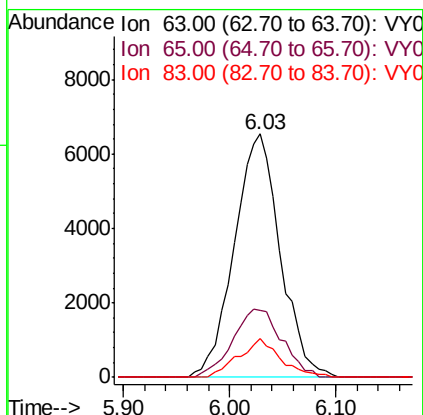
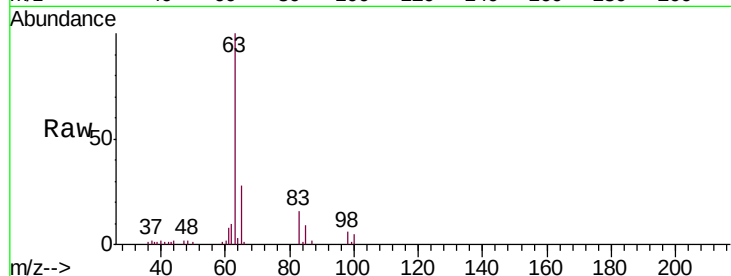




#19
 1,1-Dichloroethane
 Concen: 2.418 ug/L
 RT: 6.03 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

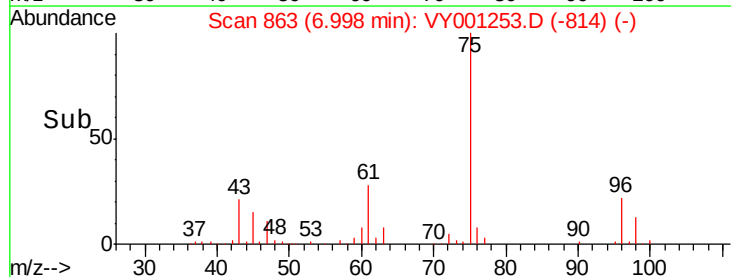
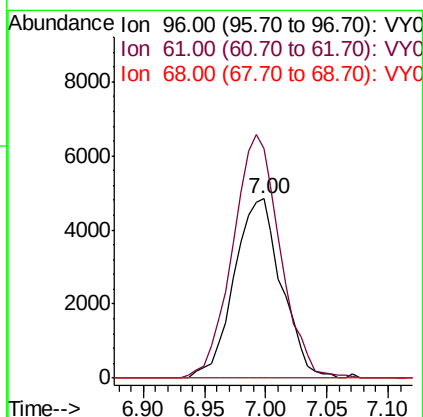
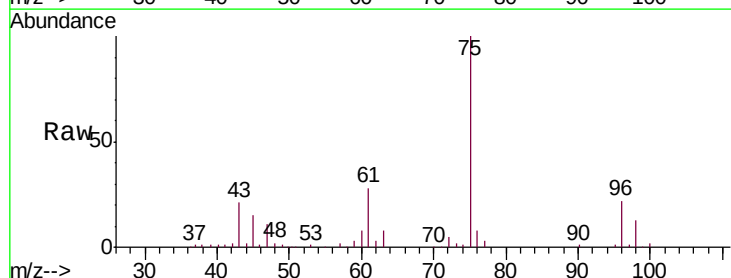
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

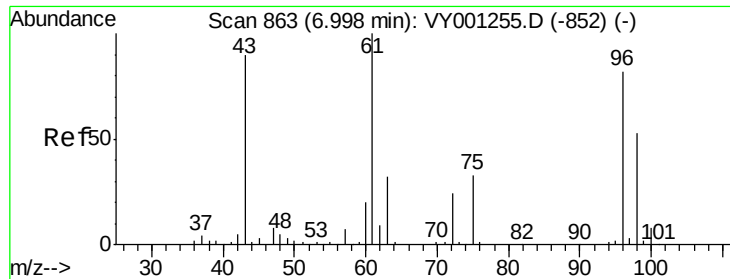
Tgt Ion: 63 Resp: 19760
 Ion Ratio Lower Upper
 63 100
 65 27.5 21.2 39.4
 83 16.0 9.4 17.4



#20
 cis-1,2-Dichloroethene
 Concen: 2.506 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

Tgt Ion: 96 Resp: 13083
 Ion Ratio Lower Upper
 96 100
 61 127.8 85.8 159.4
 68 0.0 0.0 0.0

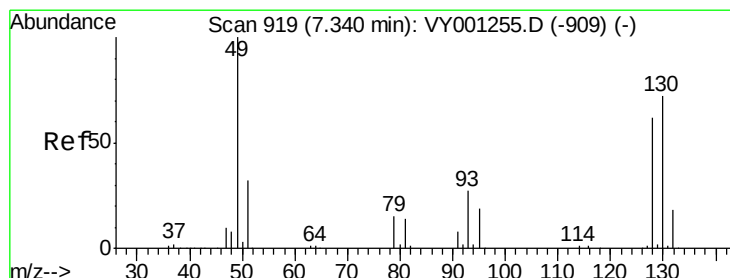
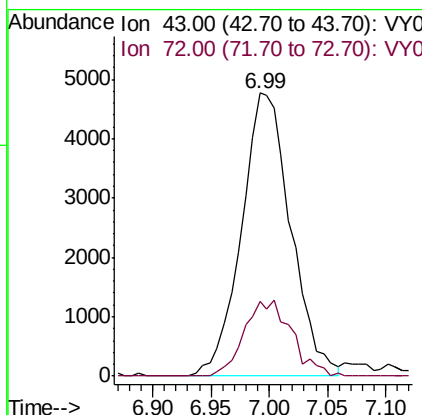
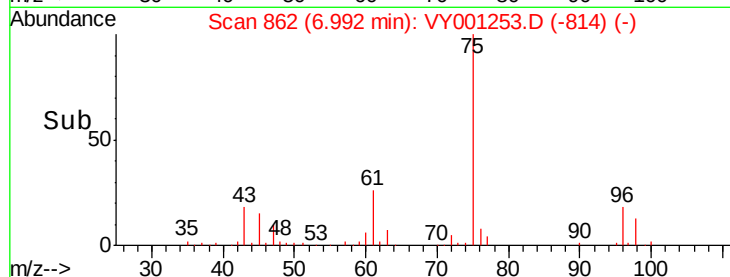
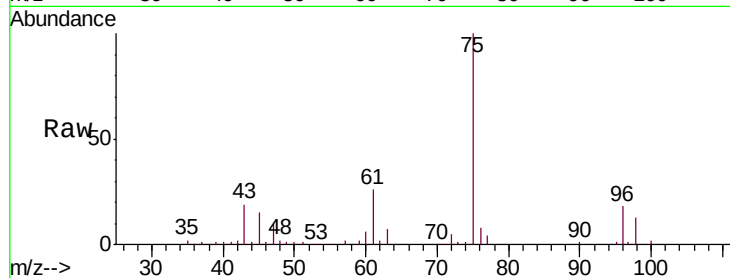




#22
 2-Butanone
 Concen: 4.464 ug/L
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

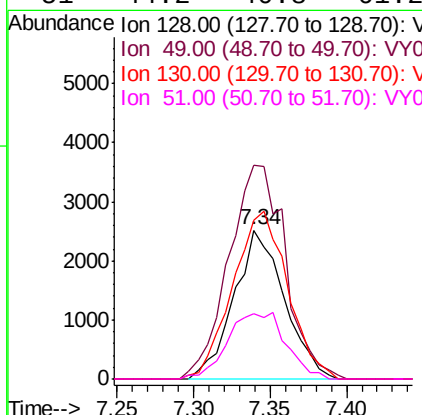
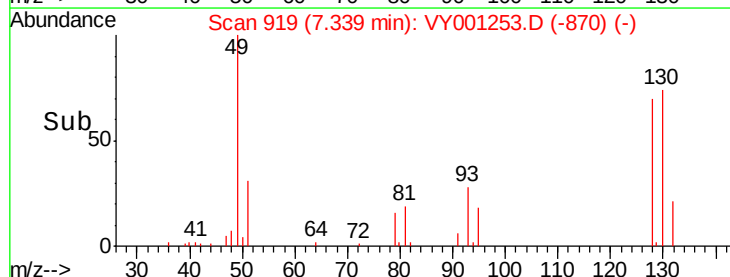
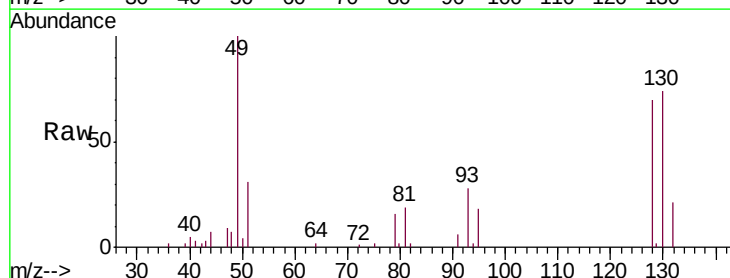
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

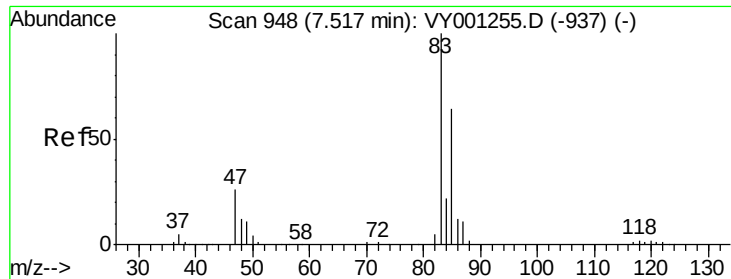
Tgt Ion: 43 Resp: 14044
 Ion Ratio Lower Upper
 43 100
 72 24.0 13.5 40.5



#23
 Bromochloromethane
 Concen: 2.457 ug/L
 RT: 7.34 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

Tgt Ion: 128 Resp: 5770
 Ion Ratio Lower Upper
 128 100
 49 143.8 112.3 208.5
 130 106.9 81.3 151.1
 51 44.2 40.8 61.2

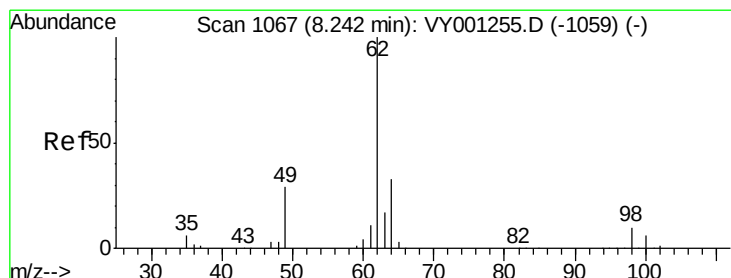
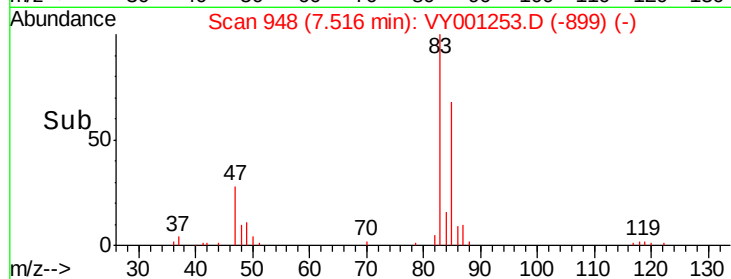
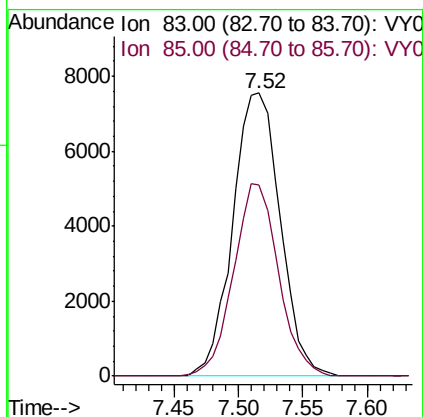
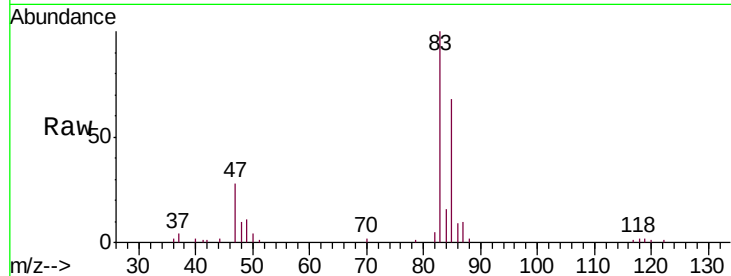




#25
Chloroform
Concen: 2.303 ug/L
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

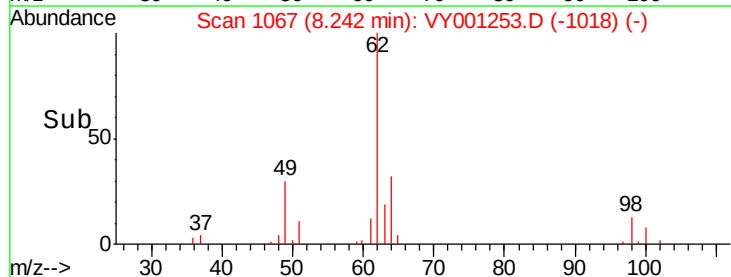
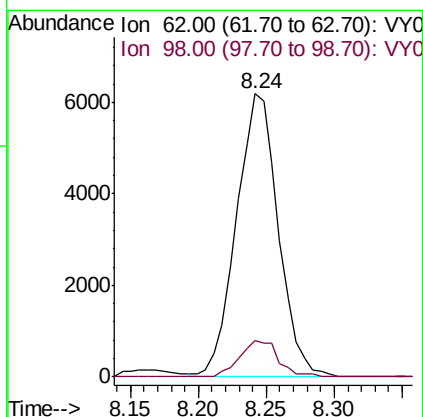
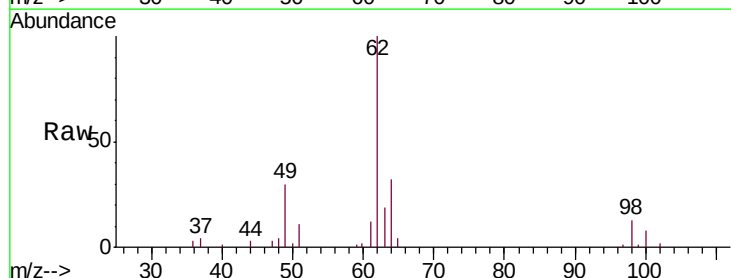
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

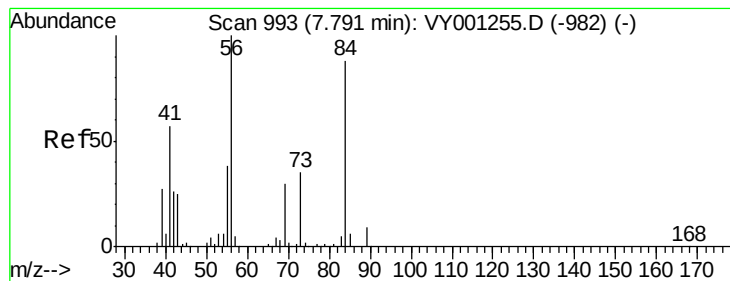
Tgt Ion: 83 Resp: 19328
Ion Ratio Lower Upper
83 100
85 67.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 2.232 ug/L
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

Tgt Ion: 62 Resp: 13317
Ion Ratio Lower Upper
62 100
98 12.7 7.9 11.9#





#29

Cyclohexane

Concen: 2.485 ug/L

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

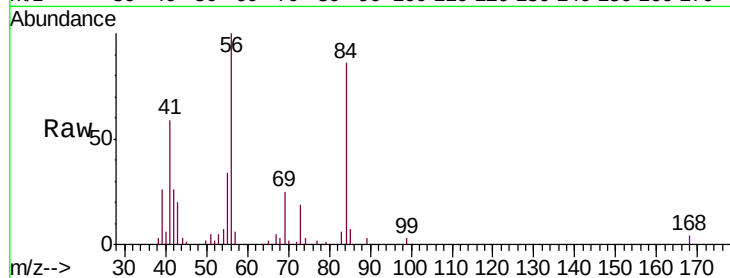
Tgt Ion: 56 Resp: 19923

Ion Ratio Lower Upper

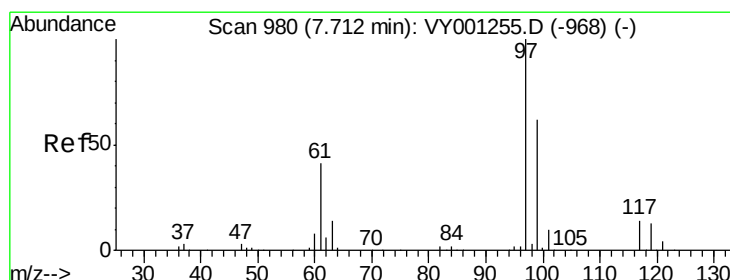
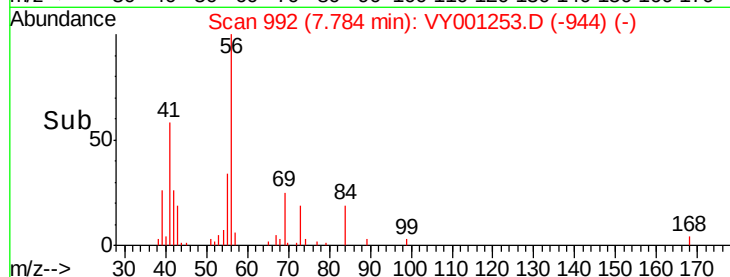
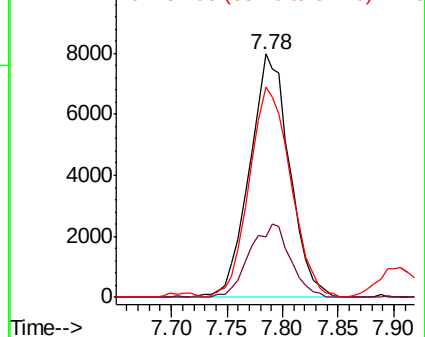
56 100

69 30.8 24.8 37.2

84 89.9 70.8 106.2



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: 2.337 ug/L

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

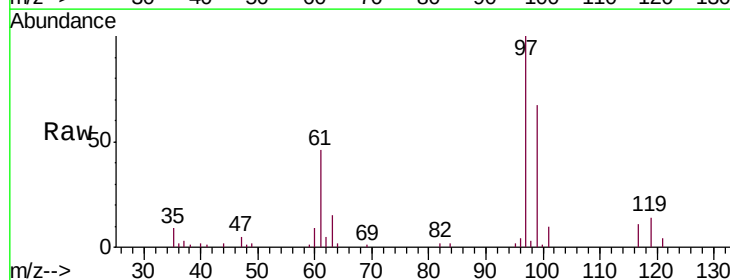
Tgt Ion: 97 Resp: 16225

Ion Ratio Lower Upper

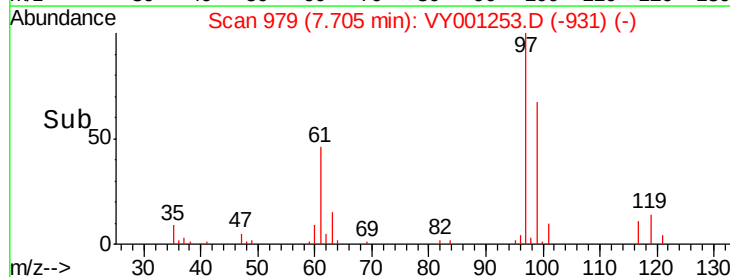
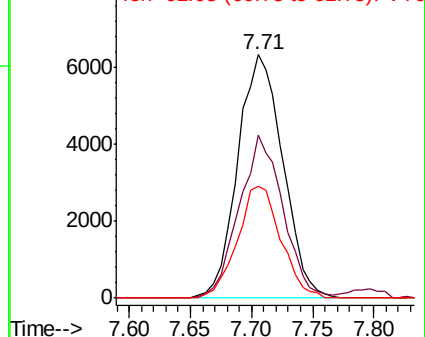
97 100

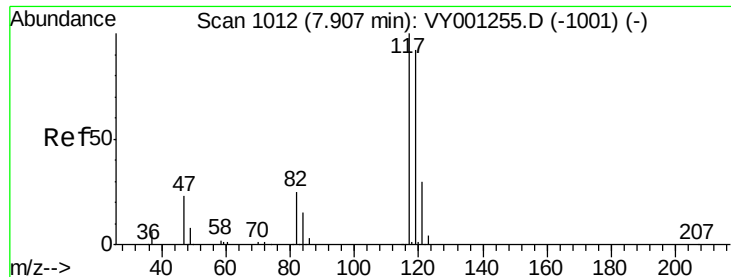
99 65.0 51.5 77.3

61 44.3 35.2 52.8



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: 2.300 ug/L

RT: 7.91 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

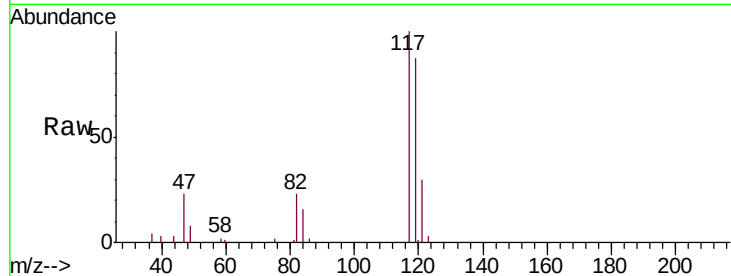
VSTD2.577

Tgt Ion:117 Resp: 14668

Ion Ratio Lower Upper

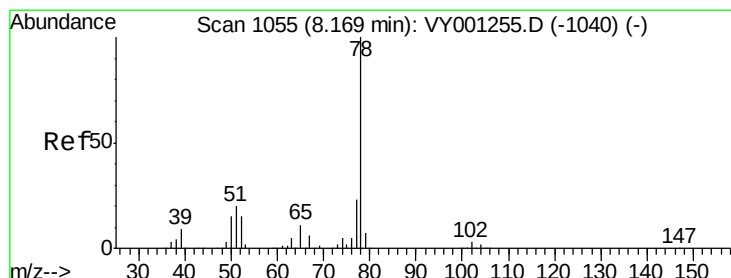
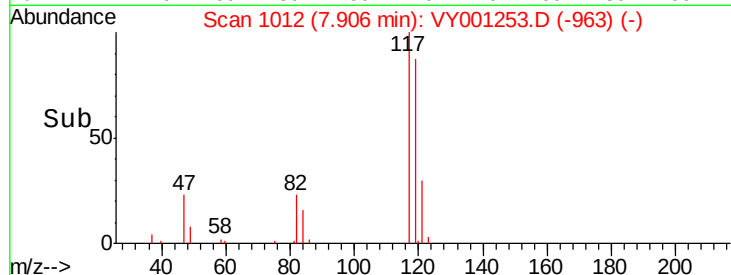
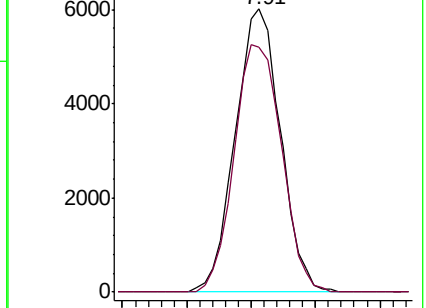
117 100

119 91.5 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.438 ug/L

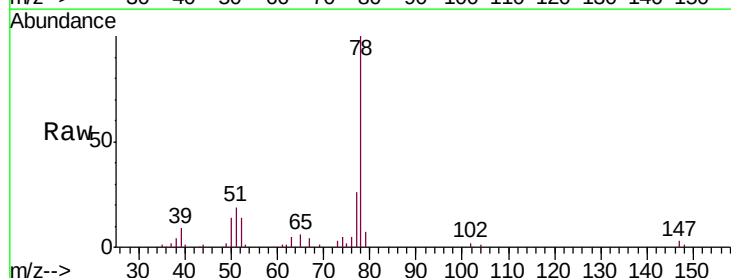
RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

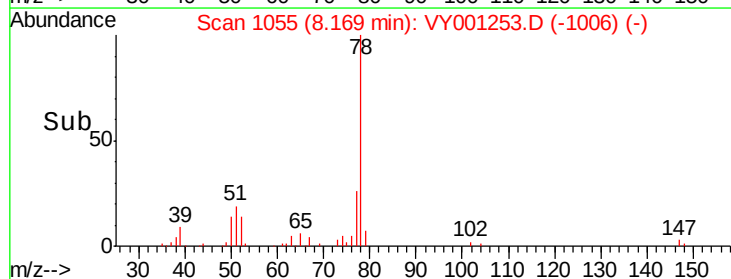
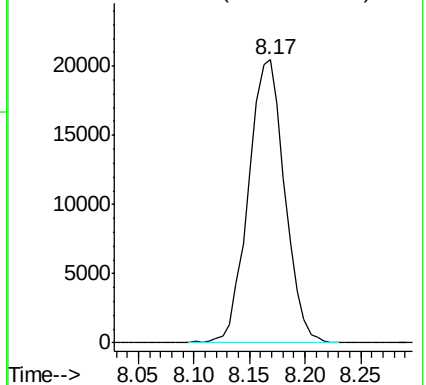
Lab File: VY001253.D

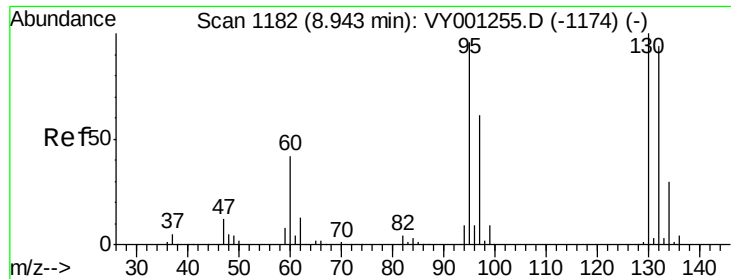
Acq: 16 Jan 2020 09:57

Tgt Ion: 78 Resp: 46613



Abundance Ion 78.00 (77.70 to 78.70): VY0

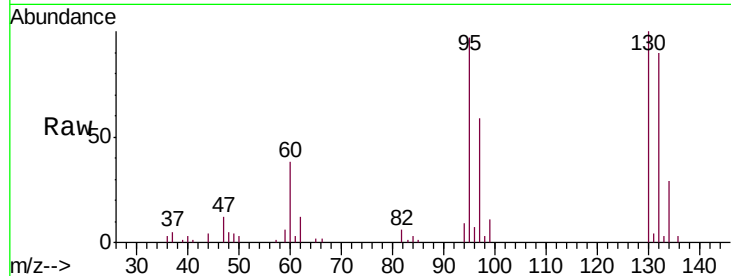




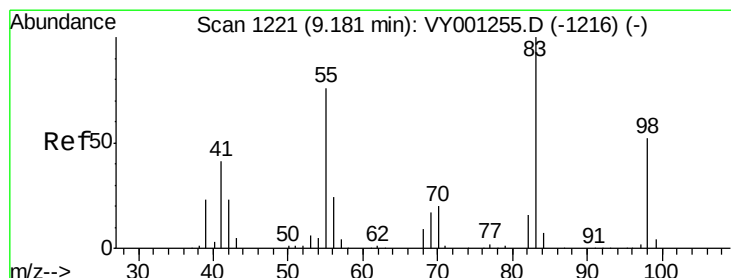
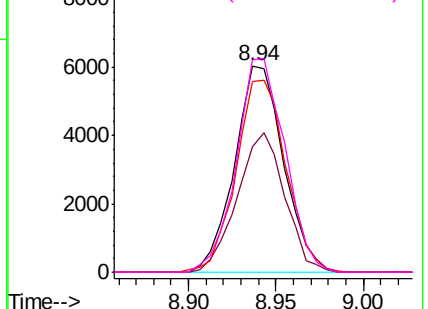
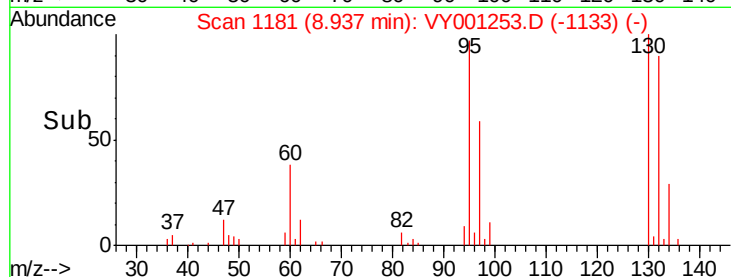
#34
 Trichloroethene
 Concen: 2.348 ug/L
 RT: 8.94 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

Tgt Ion: 95 Resp: 11774
 Ion Ratio Lower Upper
 95 100
 97 60.8 44.4 82.4
 132 92.8 68.8 127.8
 130 102.9 72.9 135.3

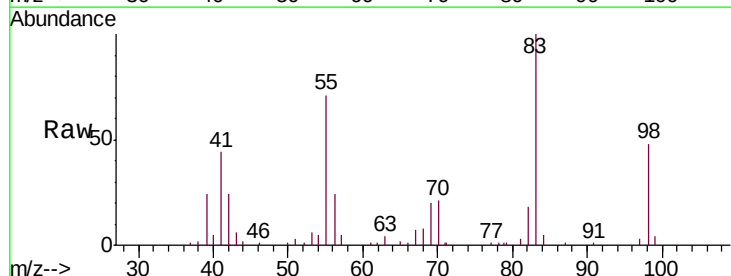


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

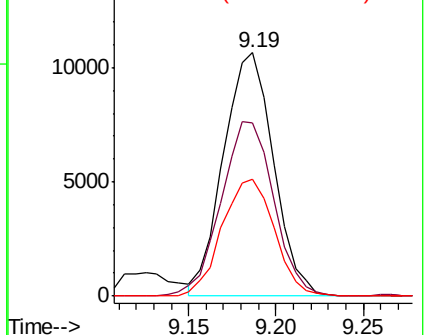
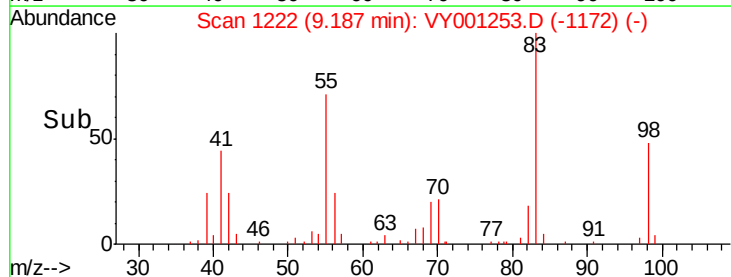


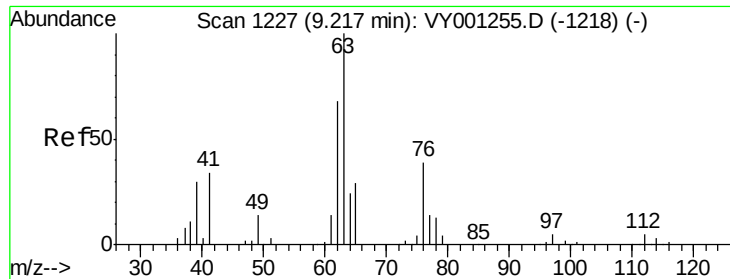
#35
 Methylcyclohexane
 Concen: 2.448 ug/L
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

Tgt Ion: 83 Resp: 21225
 Ion Ratio Lower Upper
 83 100
 55 75.5 59.8 89.6
 98 50.1 40.1 60.1



Abundance Ion 83.00 (82.70 to 83.70): VY0
 Ion 55.00 (54.70 to 55.70): VY0
 Ion 98.00 (97.70 to 98.70): VY0

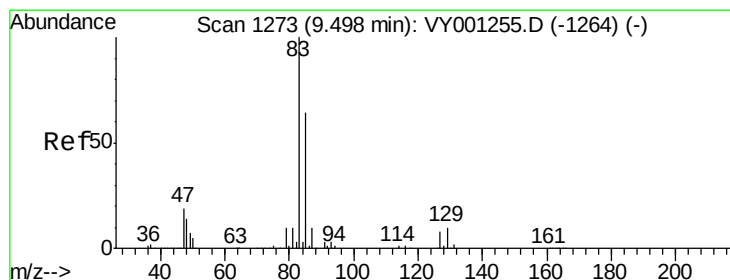
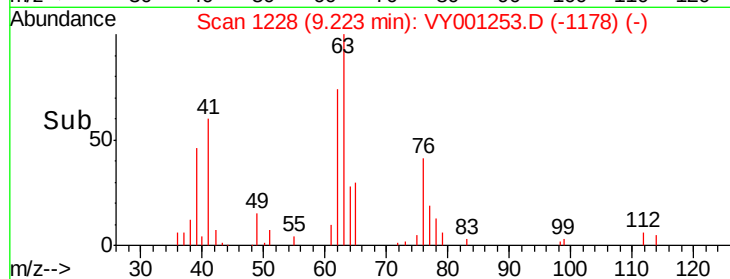
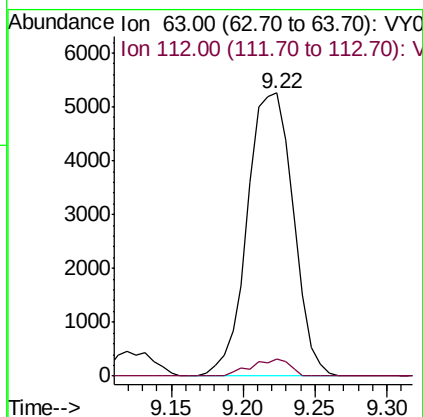
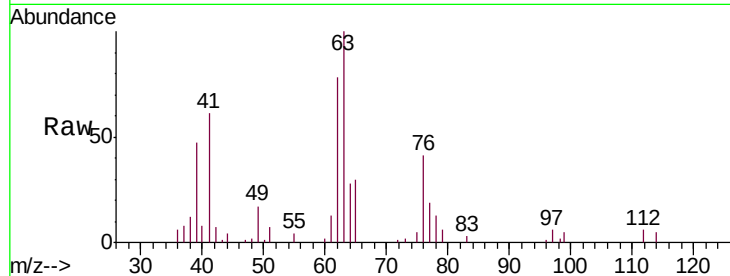




#37
 1,2-Dichloropropane
 Concen: 2.384 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

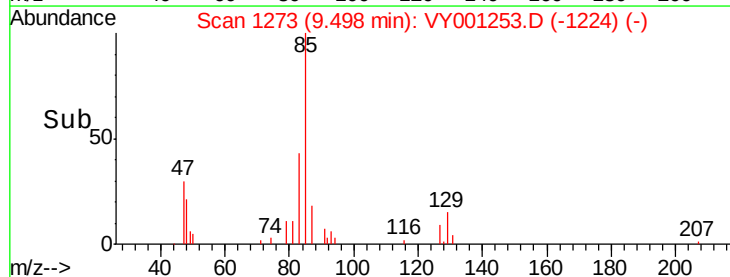
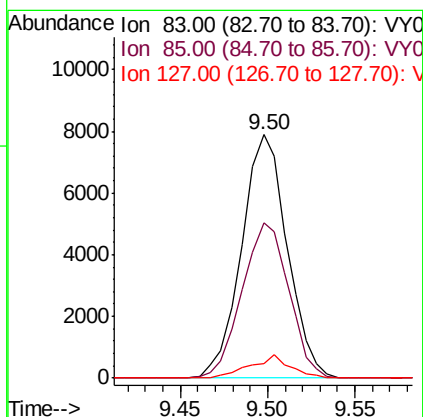
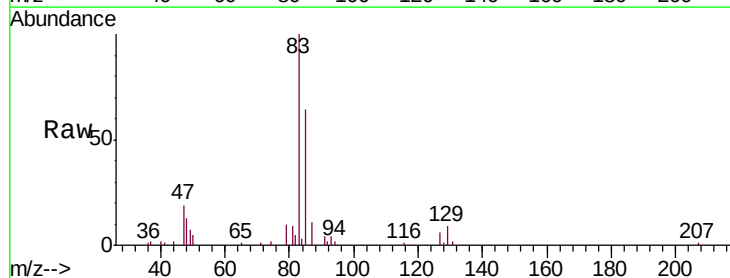
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

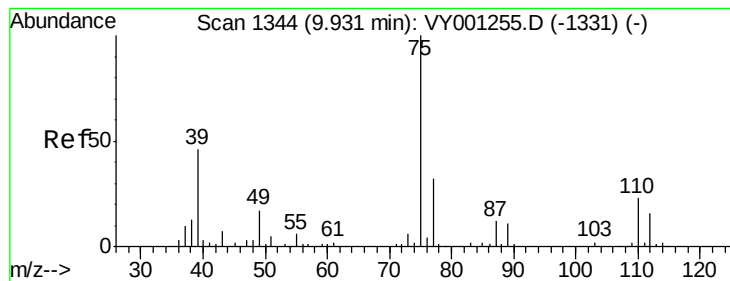
Tgt Ion: 63 Resp: 11618
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.6 5.4



#38
 Bromodichloromethane
 Concen: 2.326 ug/L
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

Tgt Ion: 83 Resp: 14312
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.4 82.5
 127 5.7 6.4 9.6#





#39

cis-1,3-Dichloropropene

Concen: 2.409 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

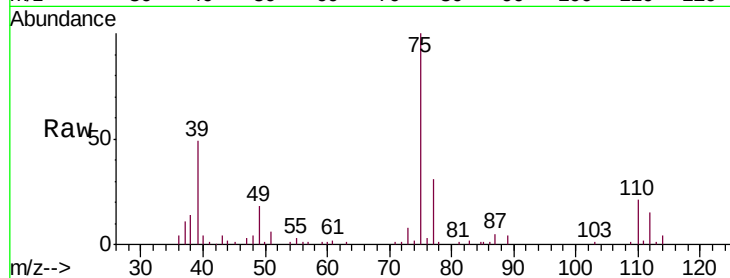
VSTD2.577

Tgt Ion: 75 Resp: 18834

Ion Ratio Lower Upper

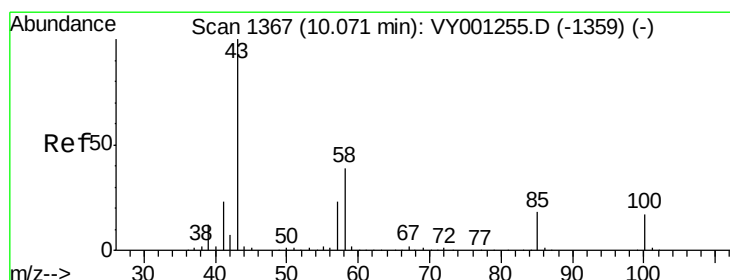
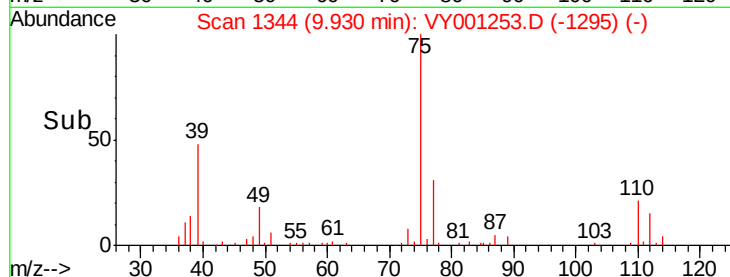
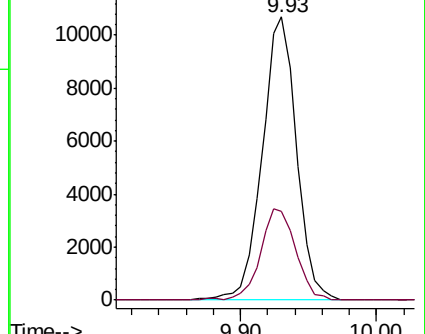
75 100

77 31.4 22.1 41.1



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: 4.323 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

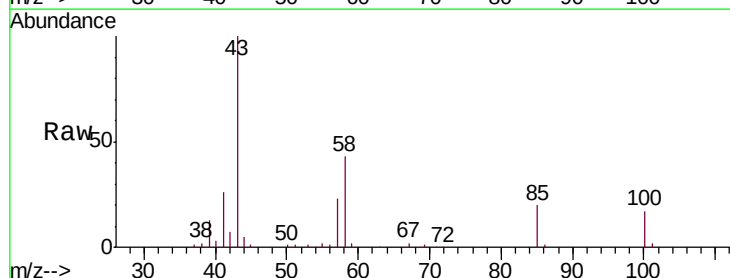
Tgt Ion: 43 Resp: 23190

Ion Ratio Lower Upper

43 100

58 40.1 31.7 47.5

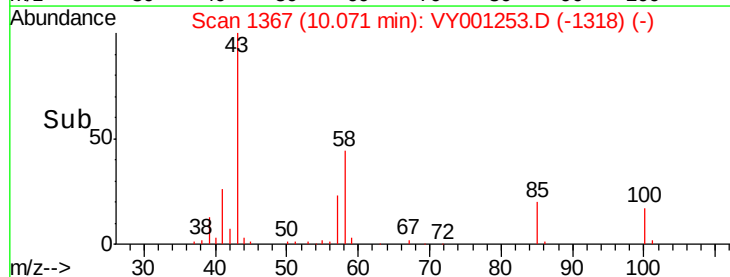
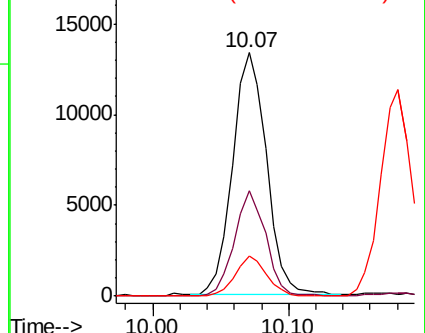
100 15.2 13.0 19.6

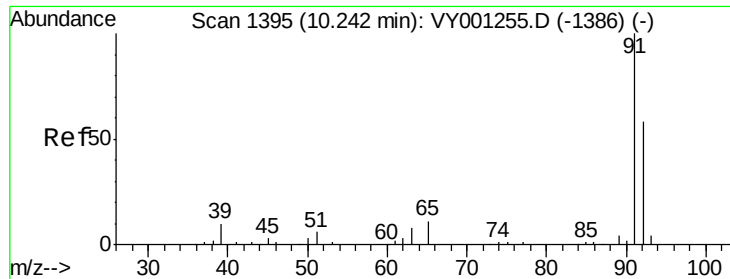


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#42

Toluene

Concen: 2.431 ug/L

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

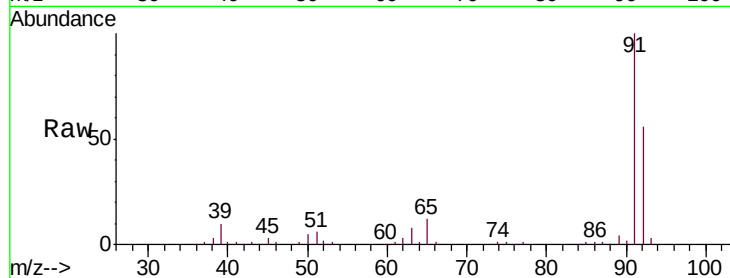
VSTD2.577

Tgt Ion: 91 Resp: 49608

Ion Ratio Lower Upper

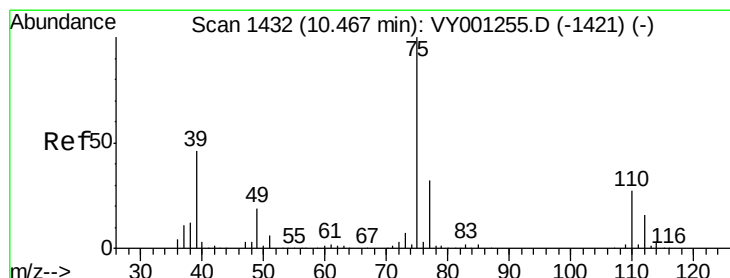
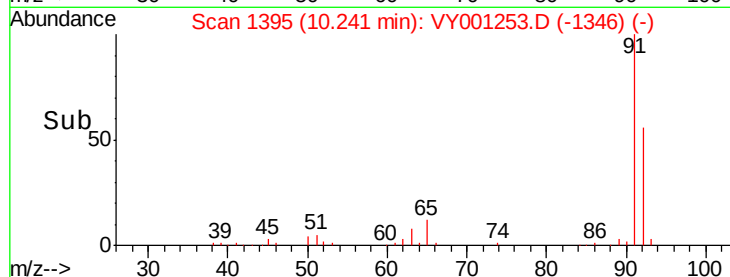
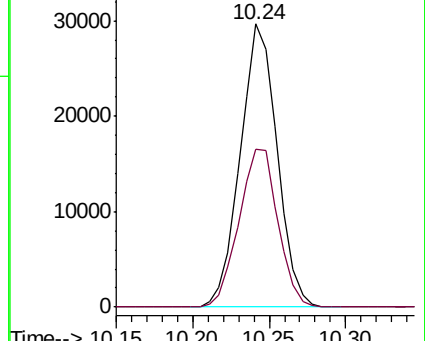
91 100

92 55.7 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VY001255.D (-1386) (-)

Ion 92.00 (91.70 to 92.70): VY001255.D (-1386) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.353 ug/L

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001253.D

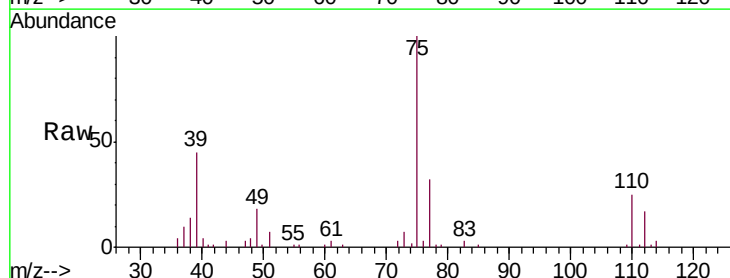
Acq: 16 Jan 2020 09:57

Tgt Ion: 75 Resp: 16182

Ion Ratio Lower Upper

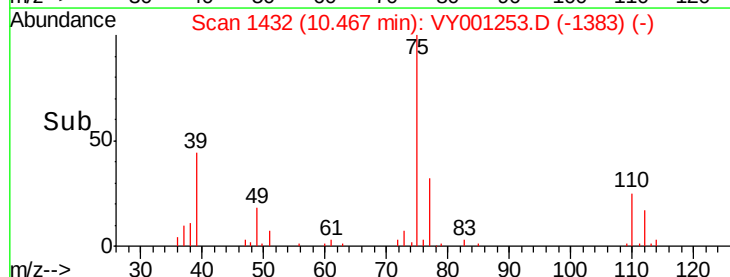
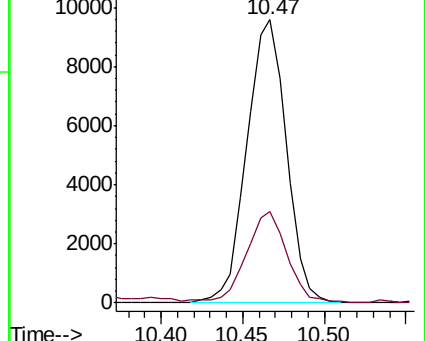
75 100

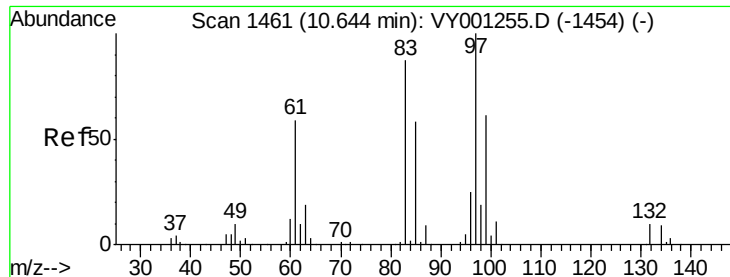
77 32.1 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VY001255.D (-1421) (-)

Ion 77.00 (76.70 to 77.70): VY001255.D (-1421) (-)

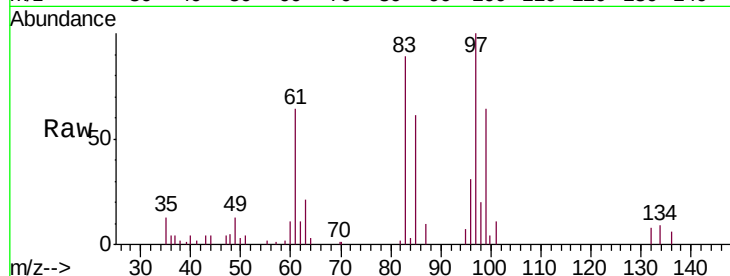




#45
1,1,2-Trichloroethane
Concen: 2.296 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

Tgt Ion:	97	Resp:	9449
Ion	Ratio	Lower	Upper
97	100		
99	64.4	42.7	79.3
83	89.0	61.1	113.5
85	60.9	40.5	75.1



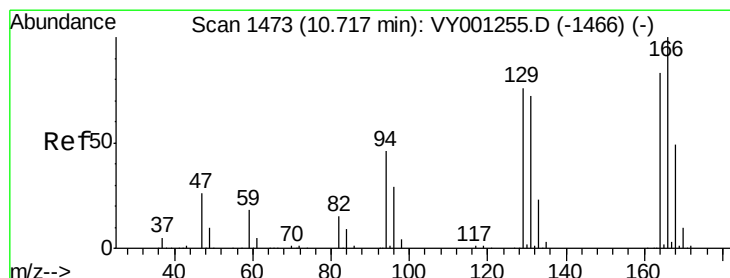
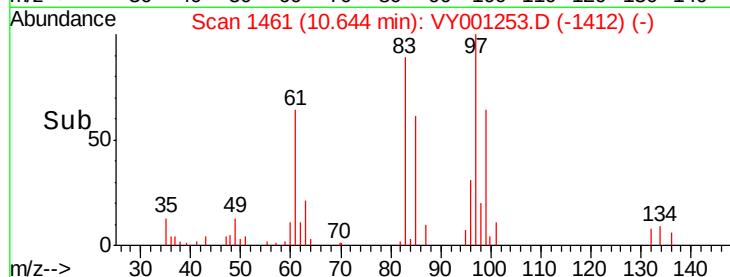
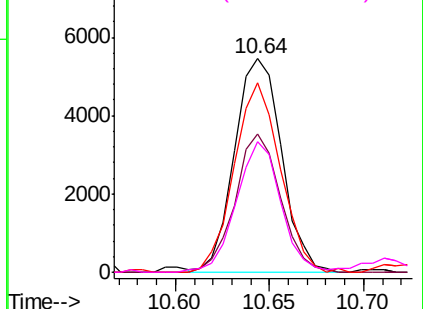
Abundance

Ion 97.00 (96.70 to 97.70): VY0

Ion 99.00 (98.70 to 99.70): VY0

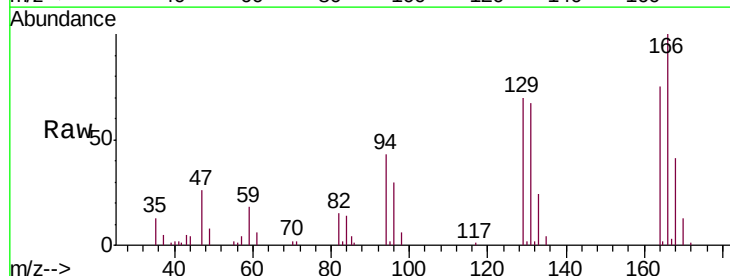
Ion 83.00 (82.70 to 83.70): VY0

Ion 85.00 (84.70 to 85.70): VY0



#46
Tetrachloroethene
Concen: 2.285 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

Tgt Ion:	164	Resp:	8800
Ion	Ratio	Lower	Upper
164	100		
129	93.6	64.7	120.1
131	89.3	61.2	113.6
166	132.8	84.8	157.4



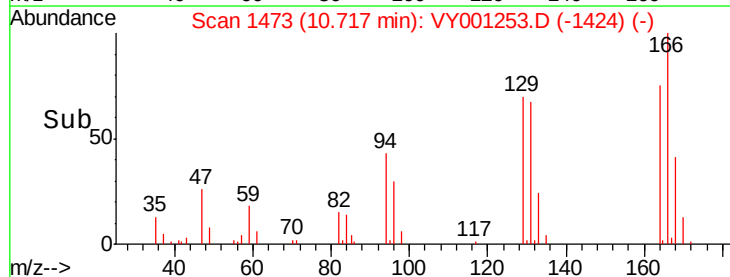
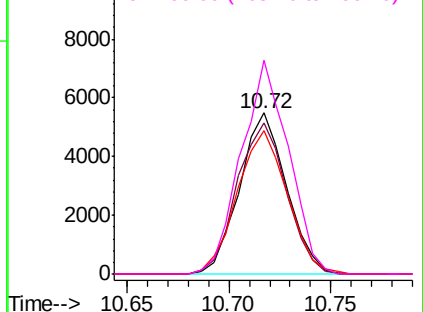
Abundance

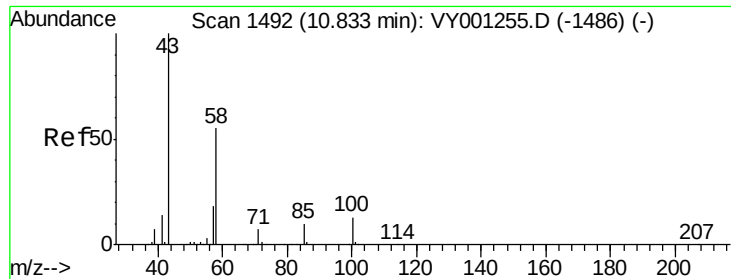
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

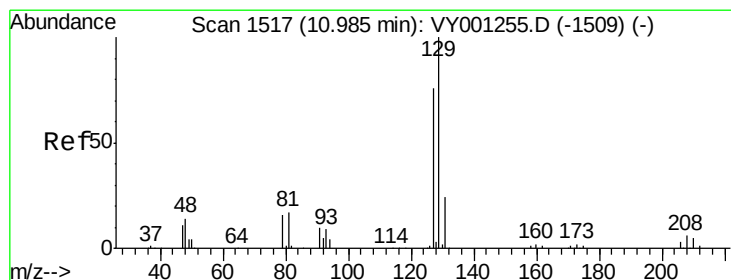
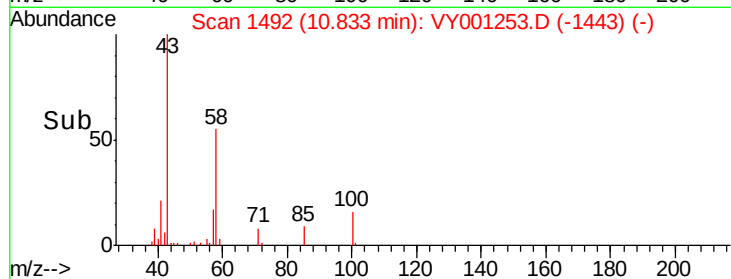
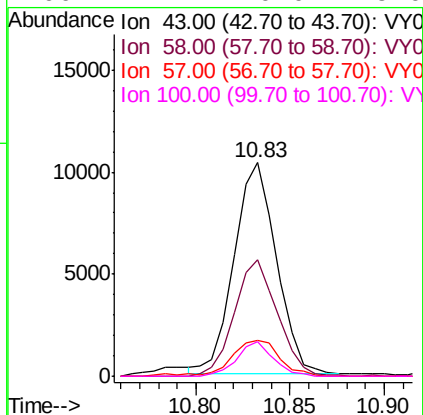
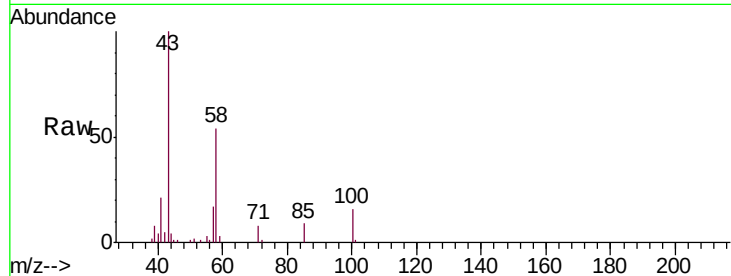




#48
2-Hexanone
Concen: 3.812 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

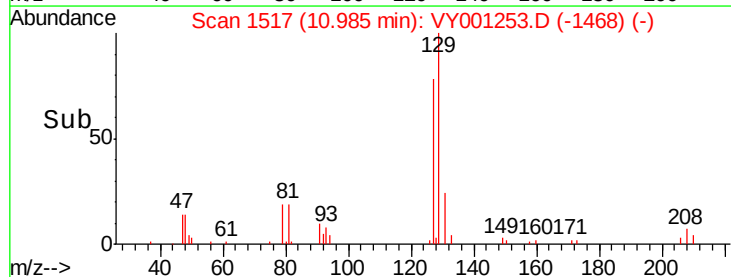
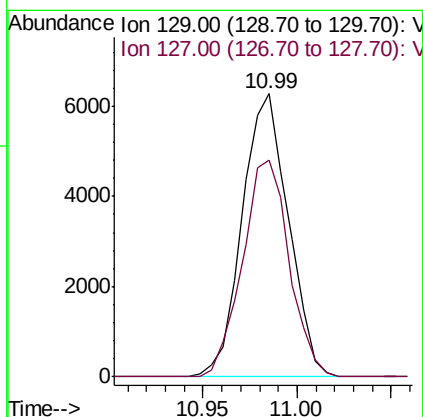
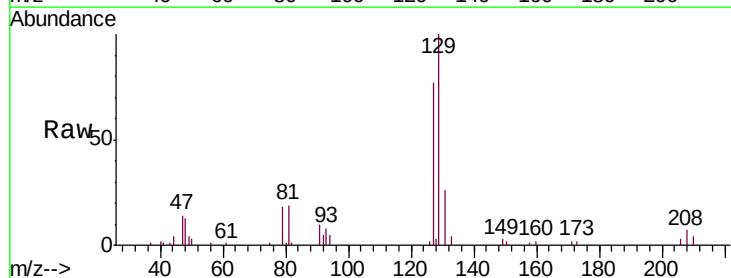
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

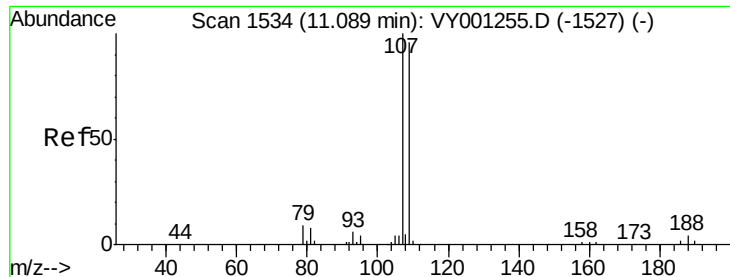
Tgt Ion:	43	Resp:	16117
Ion	Ratio	Lower	Upper
43	100		
58	56.0	43.2	64.8
57	19.2	14.9	22.3
100	14.2	10.0	15.0



#49
Dibromochloromethane
Concen: 2.312 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

Tgt Ion:	129	Resp:	10662
Ion	Ratio	Lower	Upper
129	100		
127	76.8	53.5	99.3

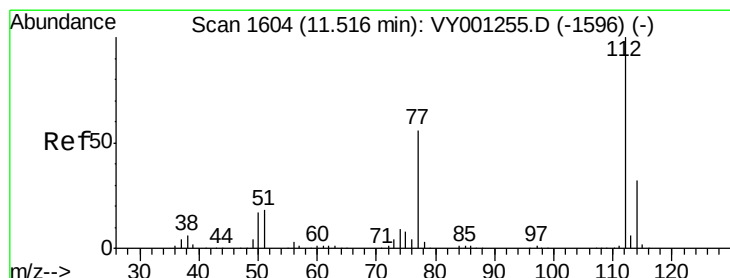
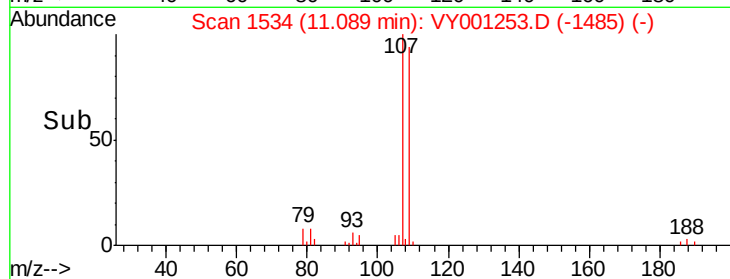
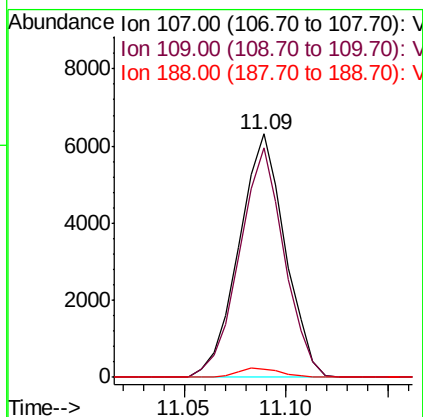
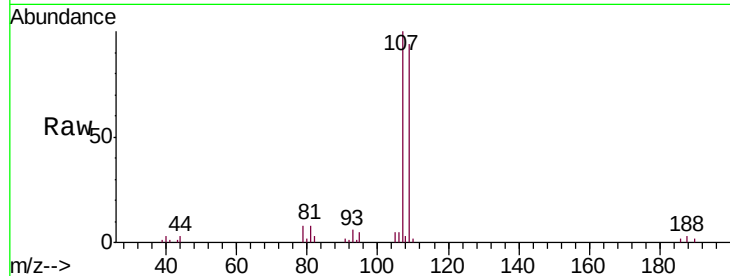




#50
1,2-Dibromoethane
Concen: 2.379 ug/L
RT: 11.09 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

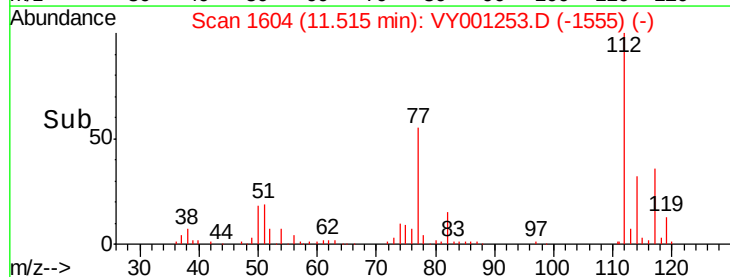
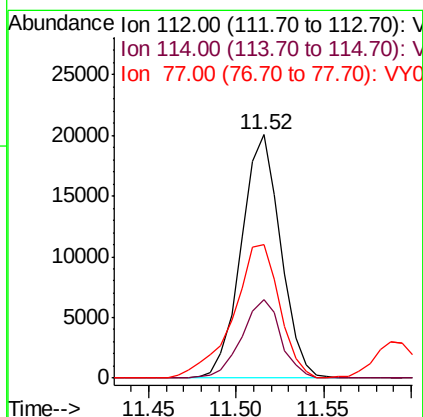
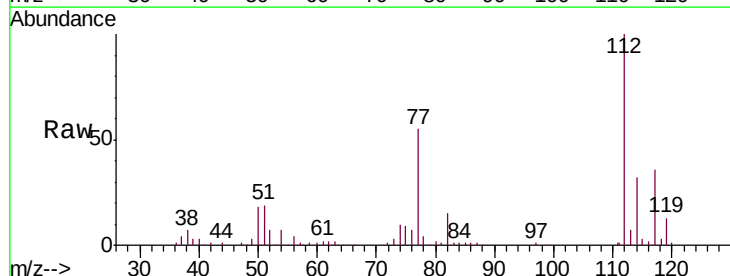
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

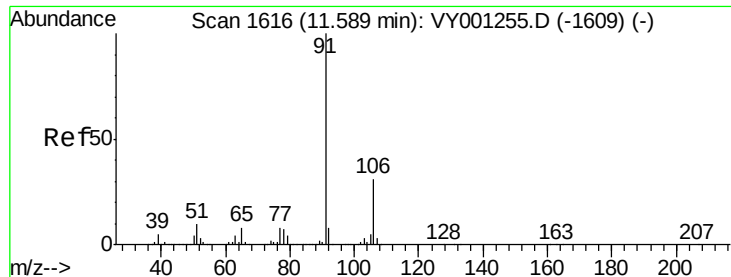
Tgt Ion:107 Resp: 9954
Ion Ratio Lower Upper
107 100
109 94.3 67.1 124.7
188 3.1 2.9 4.3



#51
Chlorobenzene
Concen: 2.410 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

Tgt Ion:112 Resp: 31407
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 54.6 45.0 67.6





#52

Ethylbenzene

Concen: 2.415 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

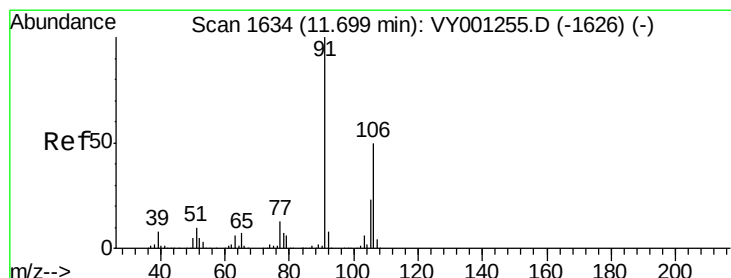
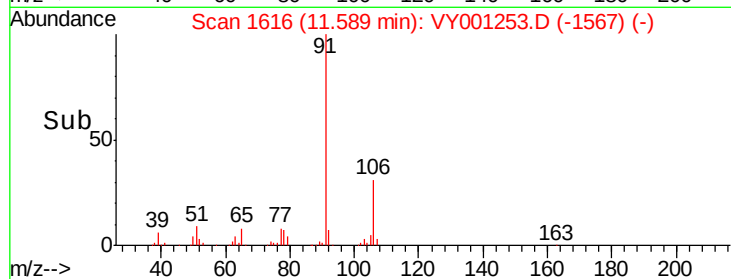
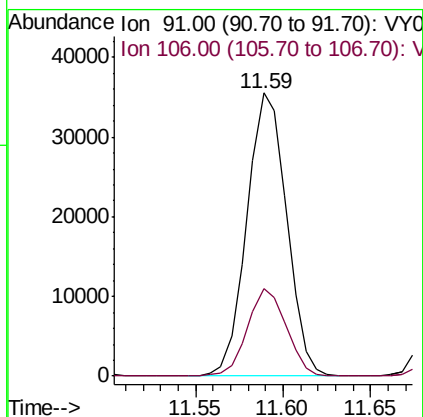
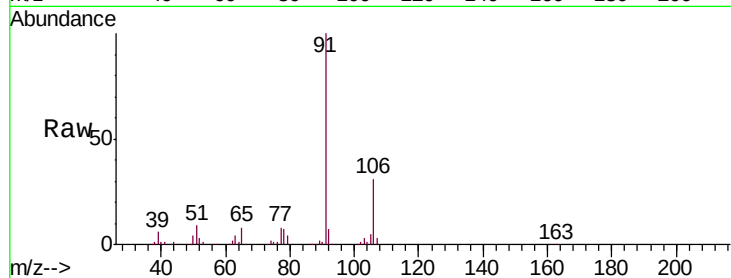
VSTD2.577

Tgt Ion: 91 Resp: 56147

Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



#53

m,p-Xylene

Concen: 2.350 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY001253.D

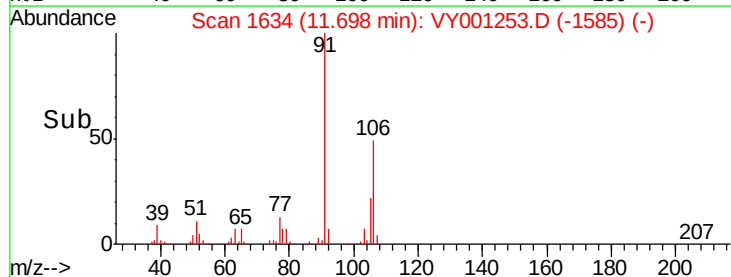
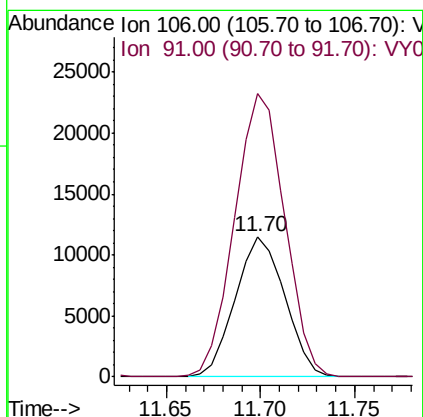
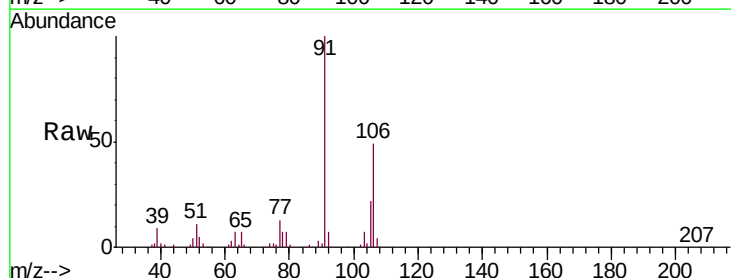
Acq: 16 Jan 2020 09:57

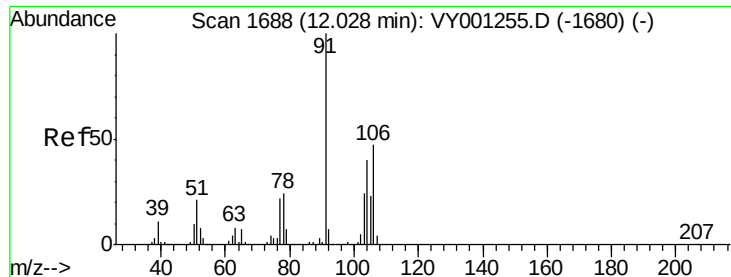
Tgt Ion: 106 Resp: 20918

Ion Ratio Lower Upper

106 100

91 202.2 139.4 258.8

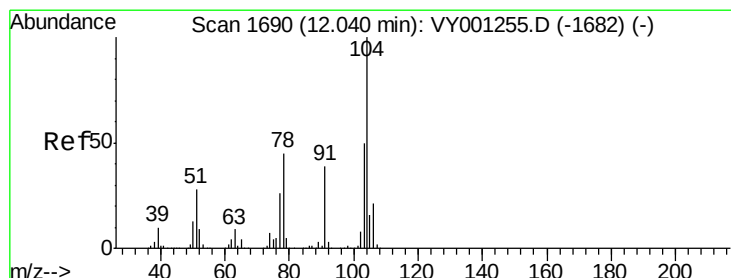
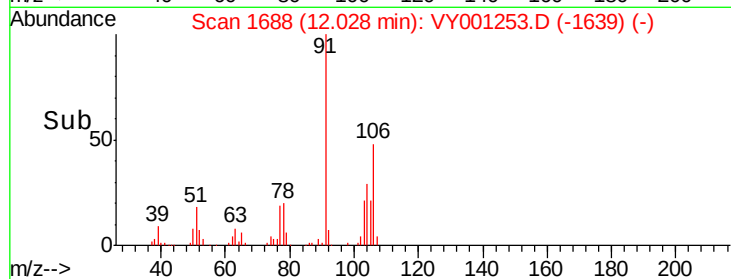
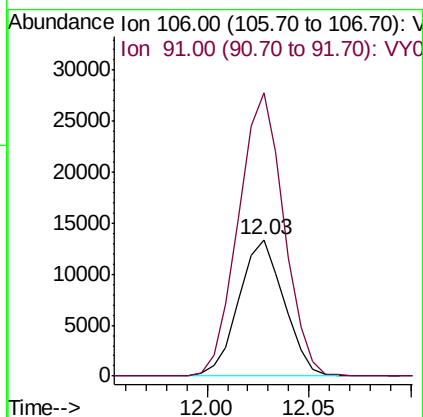
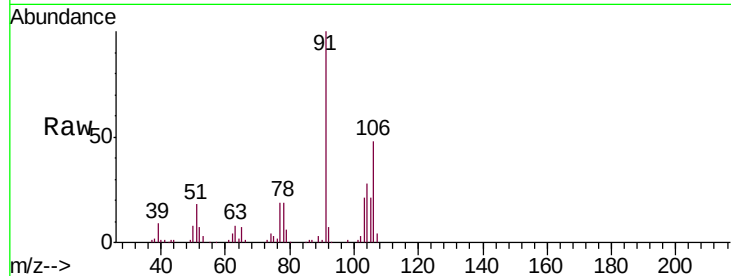




#54
o-Xylene
Concen: 2.394 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

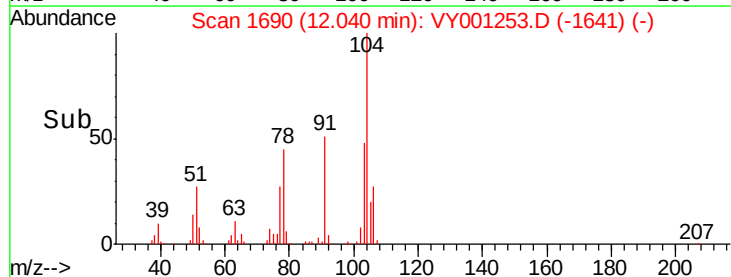
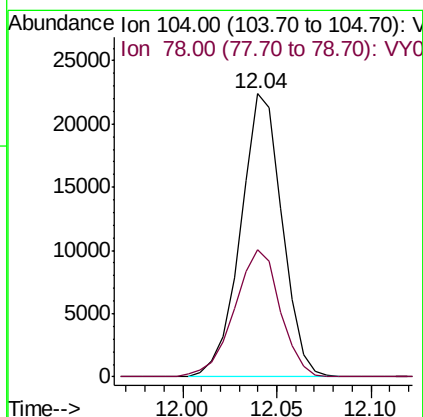
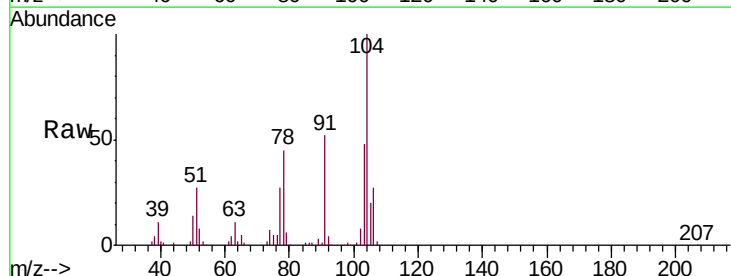
Instrument :
MSVOA_Y
ClientSampleId :
VSTD2.577

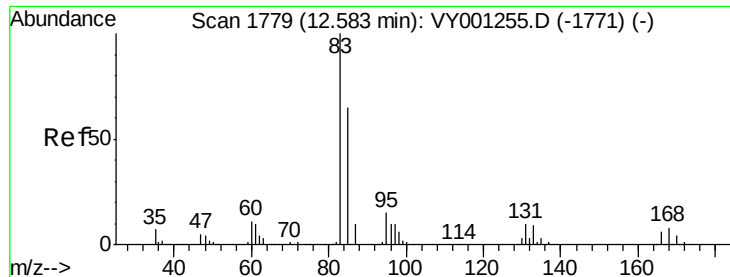
Tgt Ion:106 Resp: 20611
Ion Ratio Lower Upper
106 100
91 206.9 148.5 275.7



#55
Styrene
Concen: 2.330 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001253.D
Acq: 16 Jan 2020 09:57

Tgt Ion:104 Resp: 34244
Ion Ratio Lower Upper
104 100
78 45.1 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 2.368 ug/L

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

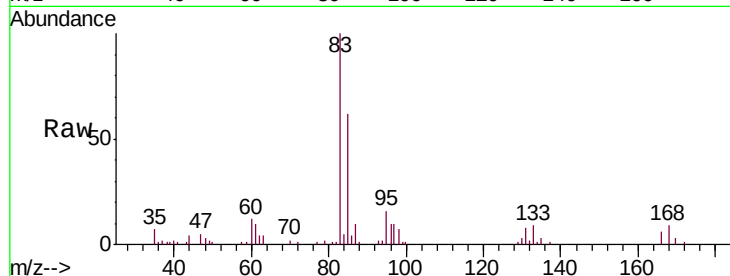
Tgt Ion: 83 Resp: 13363

Ion Ratio Lower Upper

83 100

85 61.7 45.6 84.6

131 8.3 7.8 11.8

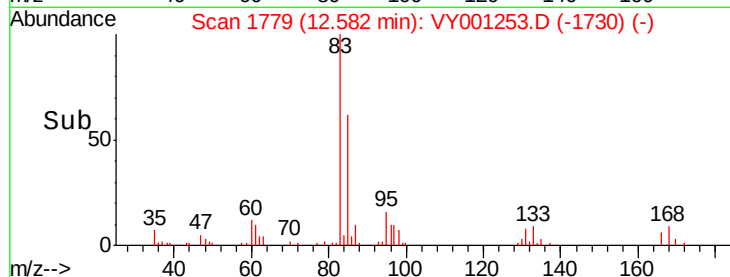


Abundance Ion 83.00 (82.70 to 83.70): VY001253.D (-1771) (-)

Ion 85.00 (84.70 to 85.70): VY001253.D (-1771) (-)

Ion 131.00 (130.70 to 131.70): VY001253.D (-1771) (-)

Time-->

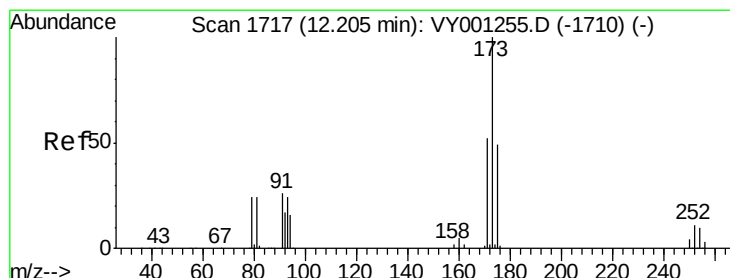


Abundance Ion 83.00 (82.70 to 83.70): VY001253.D (-1730) (-)

Ion 85.00 (84.70 to 85.70): VY001253.D (-1730) (-)

Ion 131.00 (130.70 to 131.70): VY001253.D (-1730) (-)

Time-->



#59

Bromoform

Concen: 2.203 ug/L

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

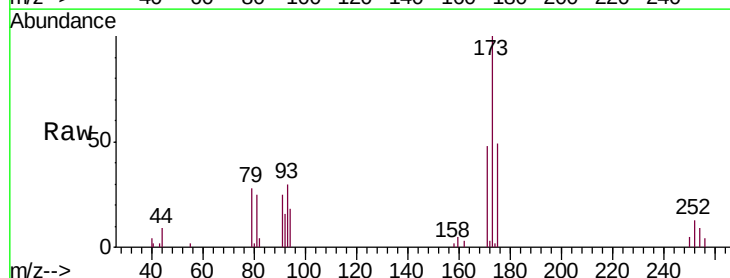
Tgt Ion: 173 Resp: 6390

Ion Ratio Lower Upper

173 100

175 49.8 38.5 57.7

254 10.3 8.2 12.2

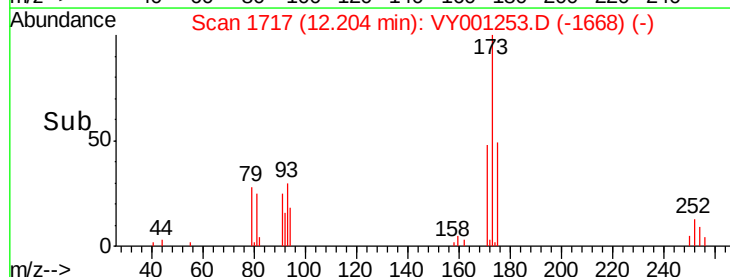


Abundance Ion 173.00 (172.70 to 173.70): VY001253.D (-1710) (-)

Ion 175.00 (174.70 to 175.70): VY001253.D (-1710) (-)

Ion 254.00 (253.70 to 254.70): VY001253.D (-1710) (-)

Time-->

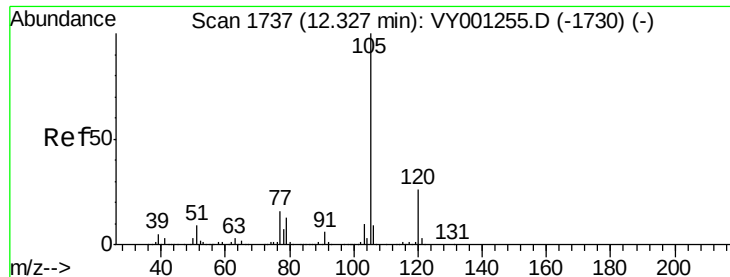


Abundance Ion 173.00 (172.70 to 173.70): VY001253.D (-1668) (-)

Ion 175.00 (174.70 to 175.70): VY001253.D (-1668) (-)

Ion 254.00 (253.70 to 254.70): VY001253.D (-1668) (-)

Time-->



#60

Isopropylbenzene

Concen: 2.440 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

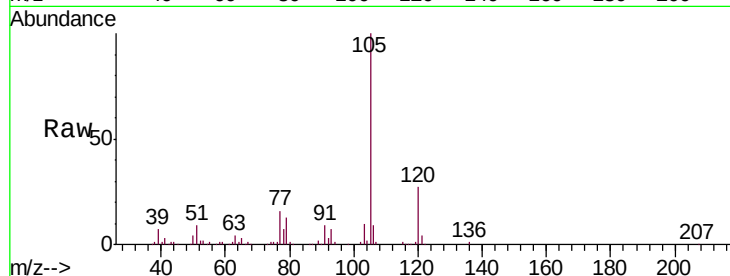
Tgt Ion: 105 Resp: 53321

Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.2

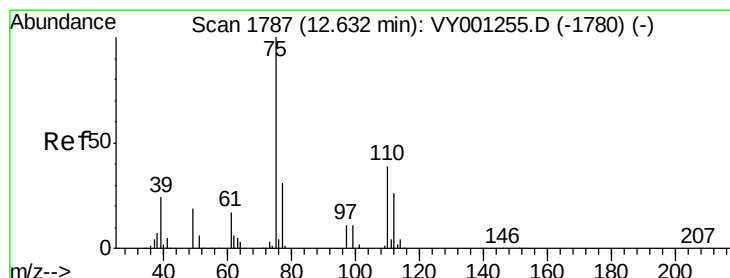
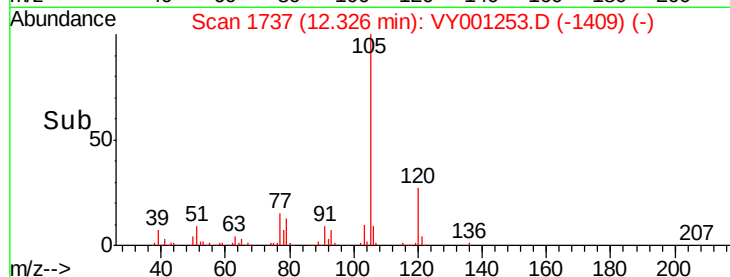
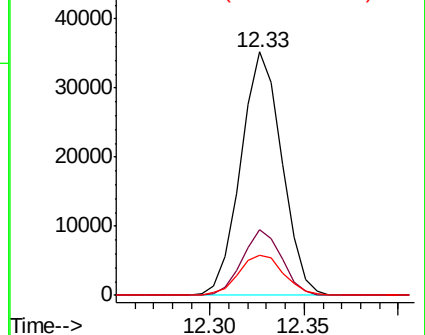
77 18.0 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 2.229 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

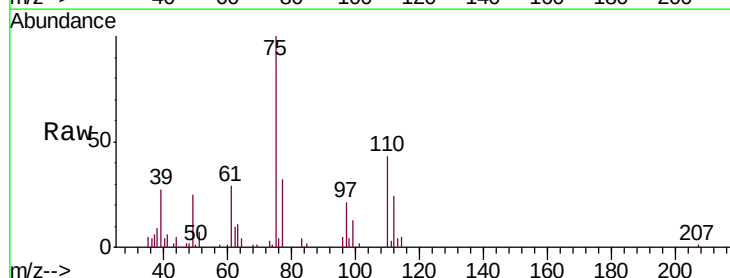
Tgt Ion: 75 Resp: 9649

Ion Ratio Lower Upper

75 100

77 35.7 25.1 37.7

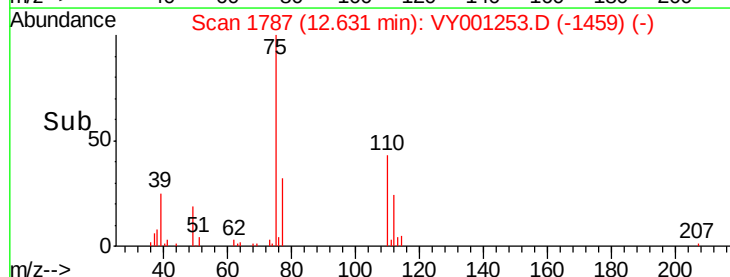
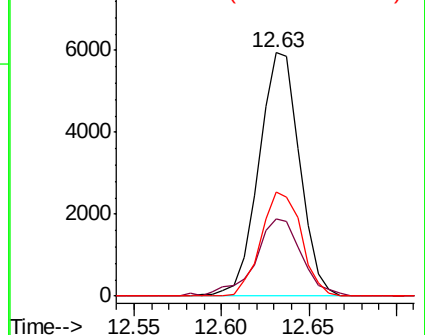
110 42.5 31.4 47.2

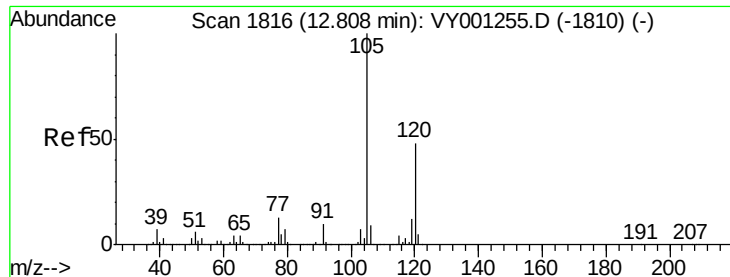


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 2.386 ug/L

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

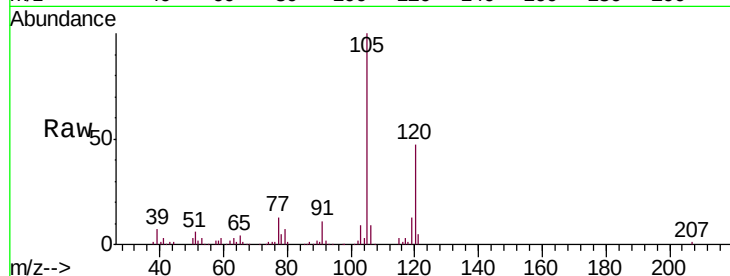
VSTD2.577

Tgt Ion:105 Resp: 42573

Ion Ratio Lower Upper

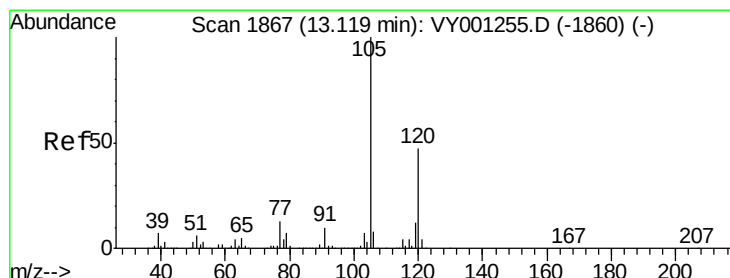
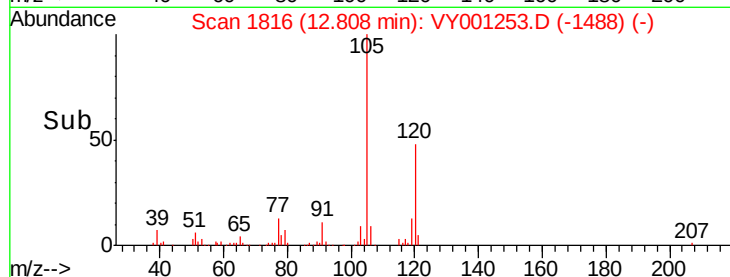
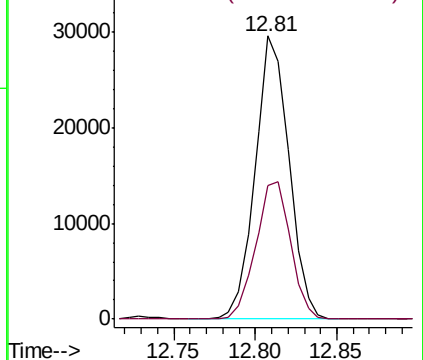
105 100

120 49.8 0.2 0.2#



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: 2.426 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY001253.D

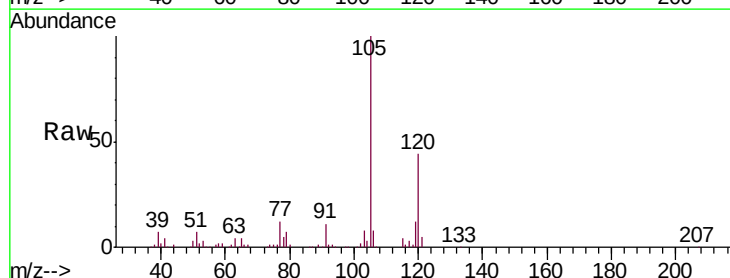
Acq: 16 Jan 2020 09:57

Tgt Ion:105 Resp: 42645

Ion Ratio Lower Upper

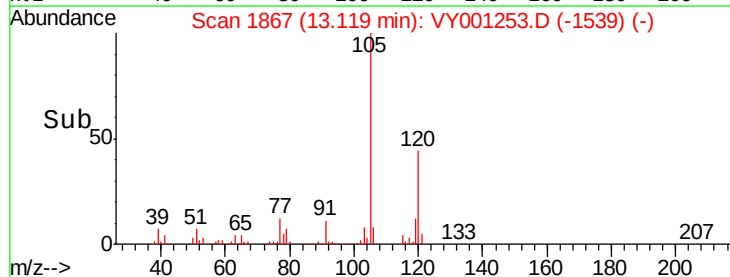
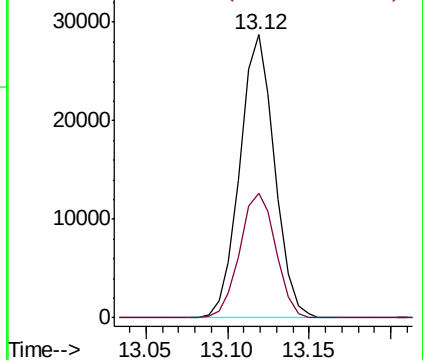
105 100

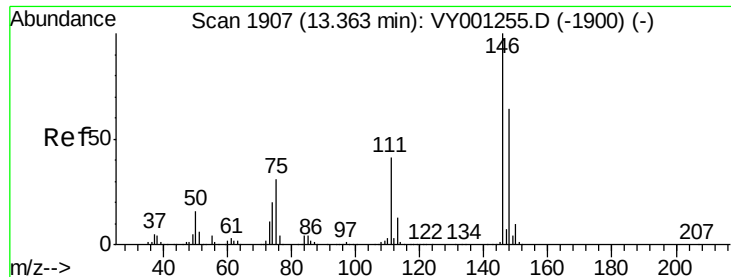
120 45.3 37.0 55.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.457 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

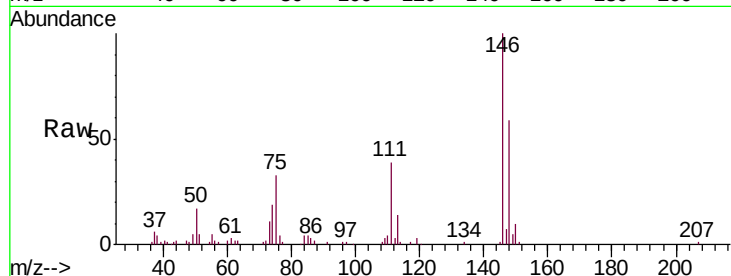
Tgt Ion:146 Resp: 23938

Ion Ratio Lower Upper

146 100

111 38.7 28.7 53.3

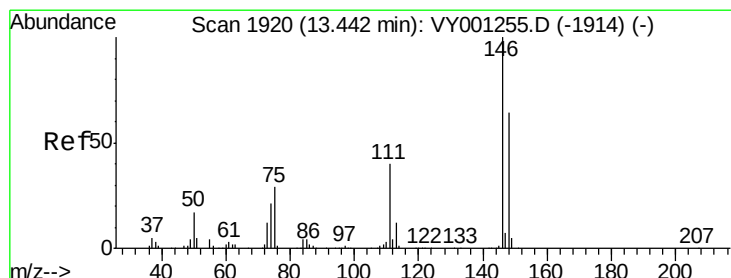
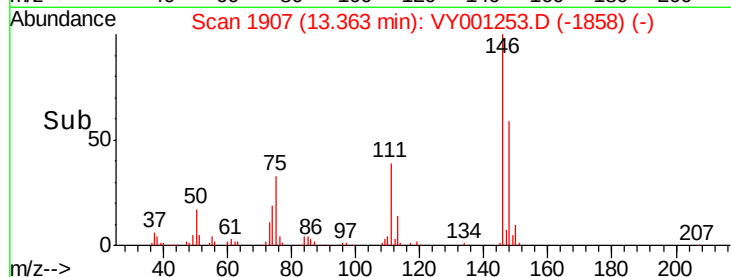
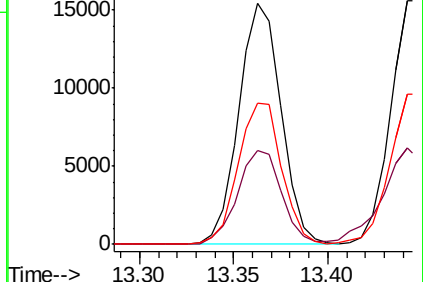
148 58.9 44.5 82.7



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

1,4-Dichlorobenzene

Concen: 2.449 ug/L

RT: 13.44 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

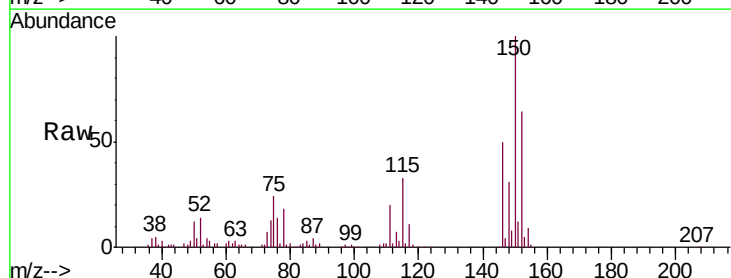
Tgt Ion:146 Resp: 24048

Ion Ratio Lower Upper

146 100

111 39.4 27.9 51.7

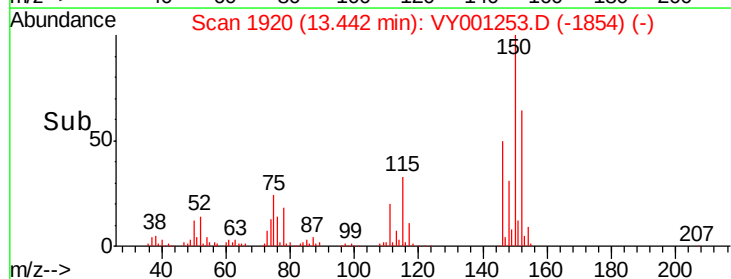
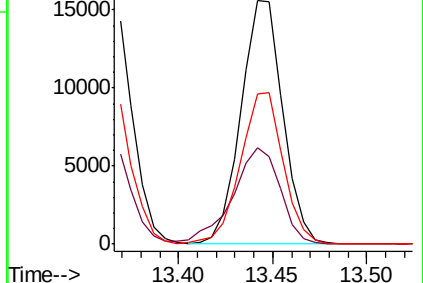
148 61.7 44.9 83.3

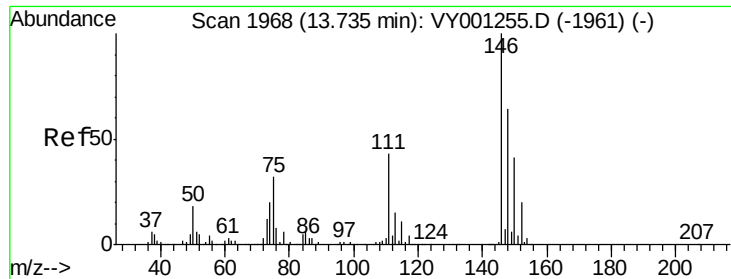


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

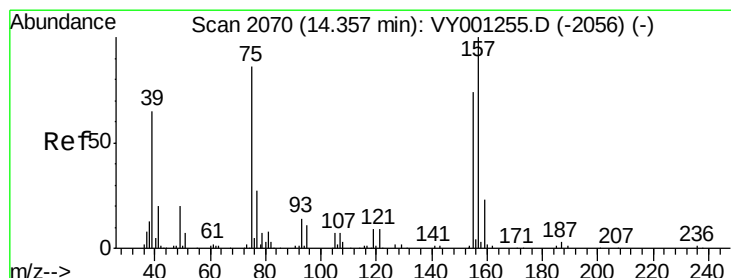
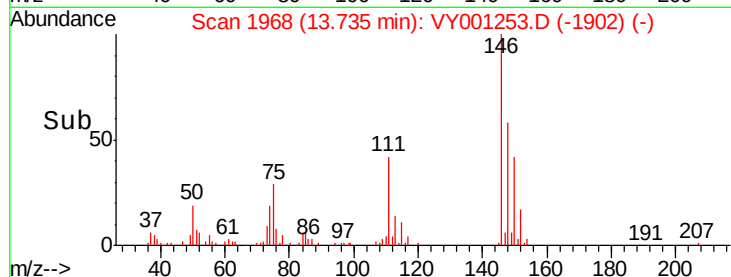
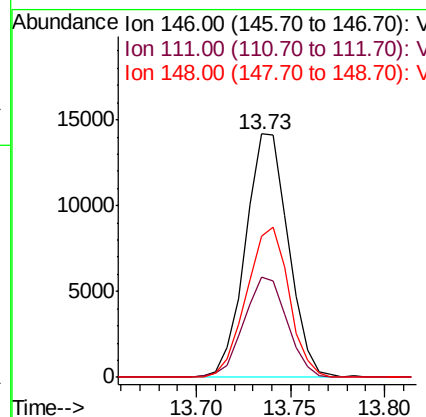
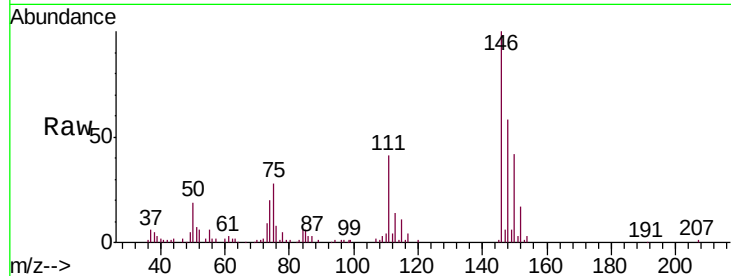




#67
 1,2-Dichlorobenzene
 Concen: 2.463 ug/L
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

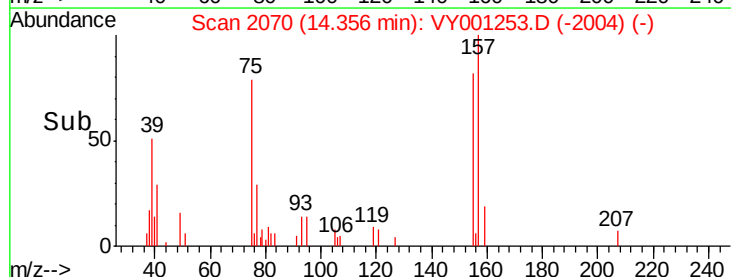
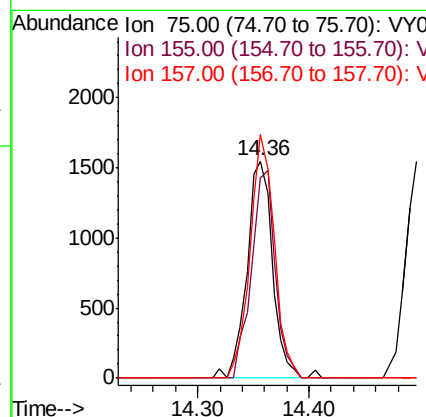
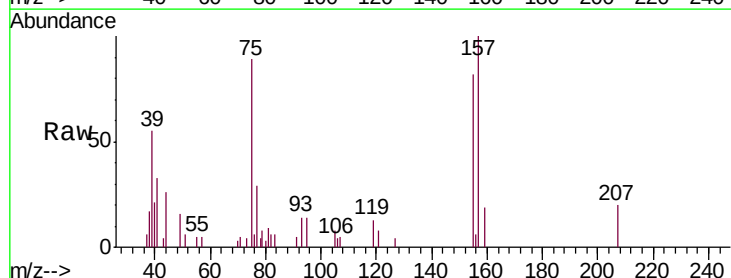
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

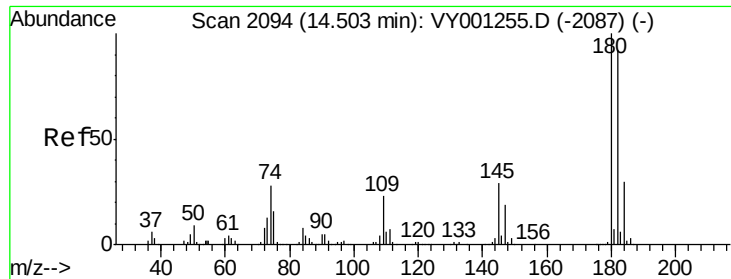
Tgt Ion: 146 Resp: 22449
 Ion Ratio Lower Upper
 146 100
 111 41.3 34.2 51.4
 148 58.1 51.4 77.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.421 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

Tgt Ion: 75 Resp: 2468
 Ion Ratio Lower Upper
 75 100
 155 92.4 68.4 102.6
 157 112.2 92.6 139.0

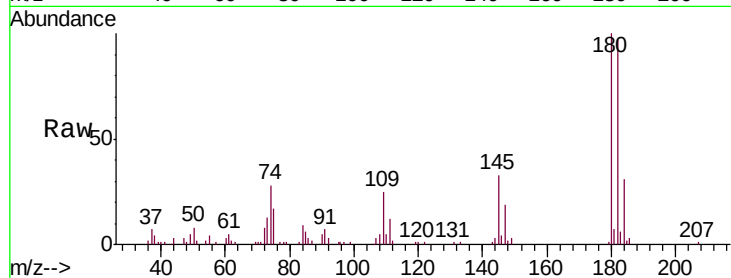




#69
 1,3,5-Trichlorobenzene
 Concen: 2.485 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.577

Tgt Ion:	180	Resp:	16626
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.0	112.6
184	30.7	23.9	35.9
145	30.3	24.2	36.4



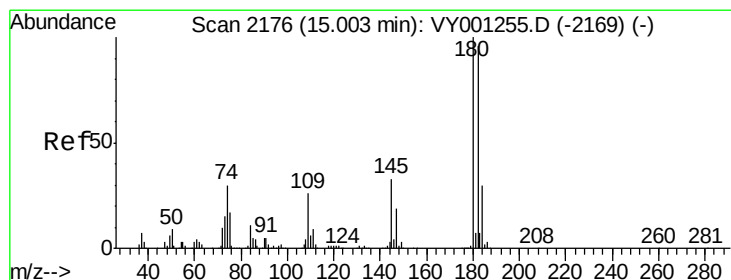
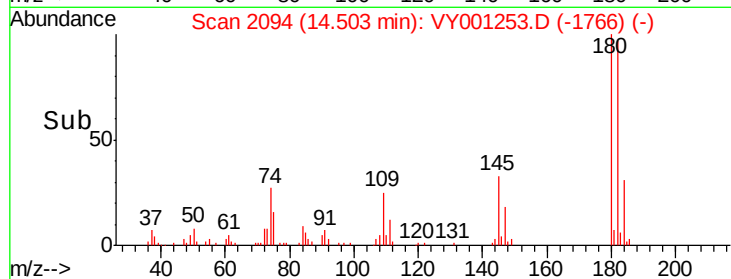
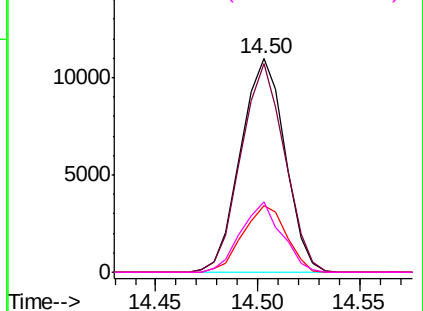
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

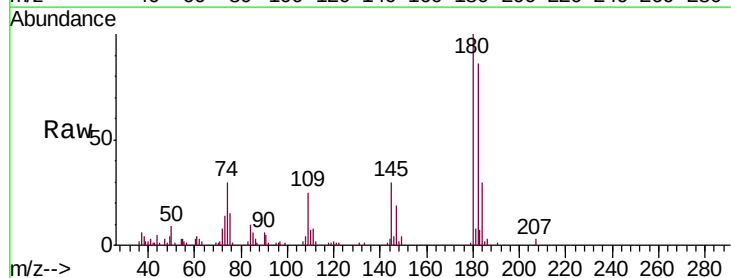
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 2.467 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY001253.D
 Acq: 16 Jan 2020 09:57

Tgt Ion:	180	Resp:	15024
Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.7	115.1
145	32.2	25.9	38.9

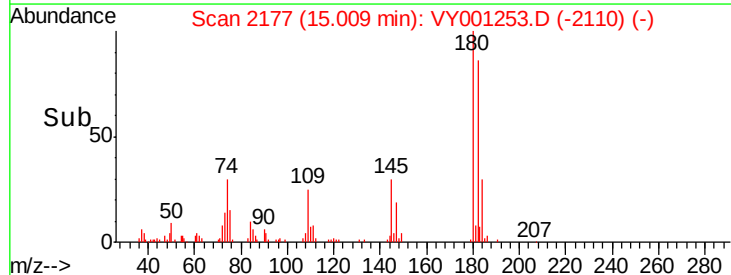
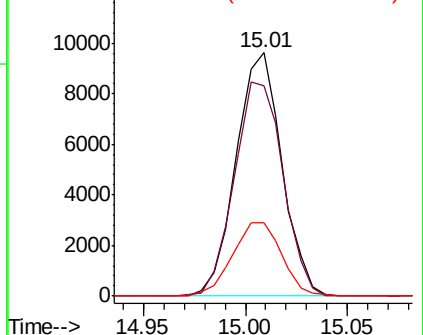


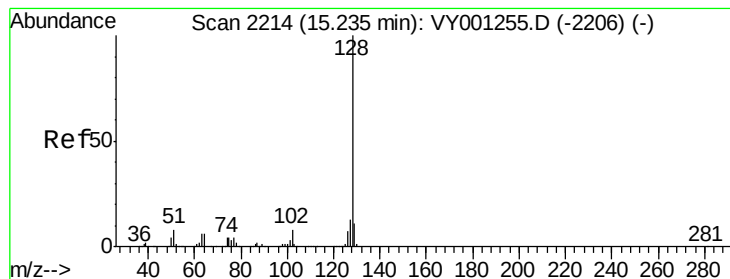
Abundance

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: 2.360 ug/L

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTD2.577

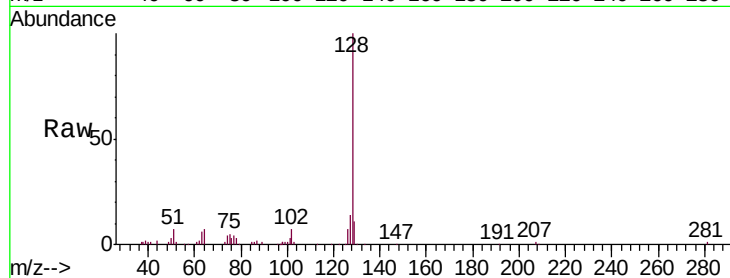
Tgt Ion:128 Resp: 37801

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

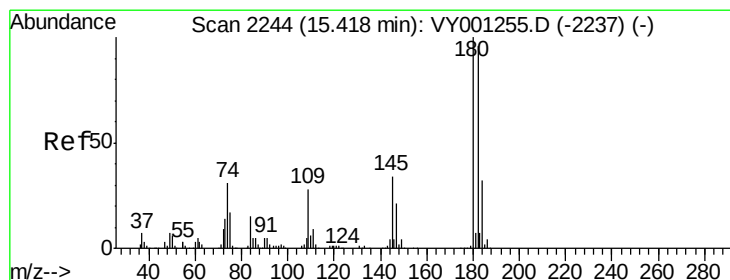
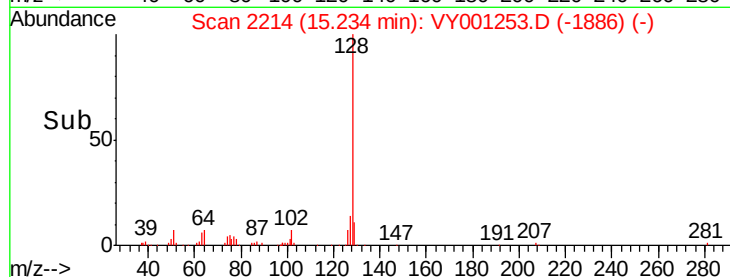
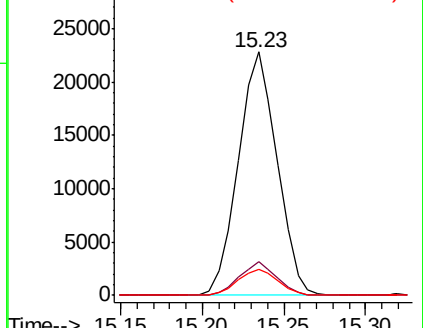
129 10.9 8.8 13.2



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: 2.442 ug/L

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY001253.D

Acq: 16 Jan 2020 09:57

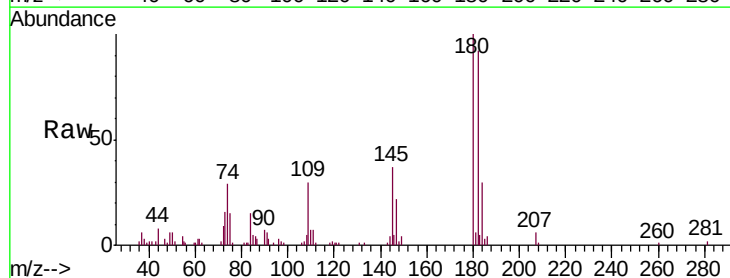
Tgt Ion:180 Resp: 13743

Ion Ratio Lower Upper

180 100

182 95.5 75.6 113.4

145 34.0 26.3 39.5



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

