

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022420\
 Data File : VY001763.D
 Acq On : 24 Feb 2020 11:27
 Operator : SY/MD
 Sample : VY0224SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Quant Time: Feb 24 13:34:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	194815	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	352351	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	315854	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	146383	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	105200	50.20	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.73	113	96258	47.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	10.19	98	397806	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.48	95	142303	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	28347	14.93	ug/l	98
3) Chloromethane	2.12	50	43091	16.87	ug/l	97
4) Vinyl Chloride	2.26	62	40529	15.73	ug/l	95
5) Bromomethane	2.65	94	27480	17.07	ug/l	97
6) Chloroethane	2.80	64	26093	16.44	ug/l	100
7) Trichlorofluoromethane	3.13	101	55475	16.82	ug/l	99
8) Diethyl Ether	3.54	74	23048	17.73	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36269	17.50	ug/l	97
10) Methyl Iodide	4.10	142	37536	14.80	ug/l	98
11) Tert butyl alcohol	4.96	59	23892	81.33	ug/l	96
12) 1,1-Dichloroethene	3.88	96	36097	17.08	ug/l	92
13) Acrolein	3.74	56	20063	94.80	ug/l	99
14) Allyl chloride	4.49	41	65715	17.47	ug/l	99
15) Acrylonitrile	5.18	53	61000	91.55	ug/l	99
16) Acetone	3.96	43	55855	77.03	ug/l	97
17) Carbon Disulfide	4.21	76	114276	16.19	ug/l	99
18) Methyl Acetate	4.49	43	30546	19.34	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	103445	17.58	ug/l	99
20) Methylene Chloride	4.73	84	44950	17.45	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	40438	16.77	ug/l	97
22) Diisopropyl ether	6.13	45	136366	17.65	ug/l	95
23) Vinyl Acetate	6.08	43	440863	87.48	ug/l	99
24) 1,1-Dichloroethane	6.03	63	72443	17.54	ug/l	99
25) 2-Butanone	7.00	43	83454	84.73	ug/l	100
26) 2,2-Dichloropropane	7.00	77	62128	17.29	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	45219	16.99	ug/l	97
28) Bromochloromethane	7.35	49	35375	20.57	ug/l	97
29) Tetrahydrofuran	7.36	42	52765	88.63	ug/l	100
30) Chloroform	7.52	83	69892	17.32	ug/l	94
31) Cyclohexane	7.79	56	75072	17.05	ug/l	# 96
32) 1,1,1-Trichloroethane	7.71	97	58843	17.35	ug/l	99
36) 1,1-Dichloropropene	7.92	75	57002	16.94	ug/l	100
37) Ethyl Acetate	7.08	43	35270	17.56	ug/l	99
38) Carbon Tetrachloride	7.91	117	49688	16.81	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	75182	16.84	ug/l	97
40) Benzene	8.17	78	170655	17.24	ug/l	98
41) Methacrylonitrile	7.35	41	47503	47.10	ug/l #	31
42) 1,2-Dichloroethane	8.25	62	45889	17.02	ug/l	99
43) Isopropyl Acetate	8.28	43	66754	17.51	ug/l	99
44) Trichloroethene	8.94	130	42334	17.13	ug/l	97
45) 1,2-Dichloropropane	9.22	63	43806	17.67	ug/l	97
46) Dibromomethane	9.31	93	22239	17.15	ug/l	98
47) Bromodichloromethane	9.50	83	52669	16.83	ug/l	98
48) Methyl methacrylate	9.30	41	30038	17.43	ug/l	99
49) 1,4-Dioxane	9.31	88	6224	339.86	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	172052	87.86	ug/l	99
52) Toluene	10.25	92	105242	17.04	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	58439	16.89	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	67540	16.96	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	33605	17.58	ug/l	98
56) Ethyl methacrylate	10.52	69	49503	17.26	ug/l	99
57) 1,3-Dichloropropane	10.80	76	59442	17.50	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	149399	129.27	ug/l	100
59) 2-Hexanone	10.84	43	122200	83.17	ug/l	100
60) Dibromochloromethane	10.99	129	35204	16.70	ug/l	98
61) 1,2-Dibromoethane	11.09	107	31028	17.16	ug/l	98
64) Tetrachloroethene	10.72	164	33482	16.89	ug/l	96
65) Chlorobenzene	11.52	112	109223	17.32	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	36391	17.11	ug/l	98
67) Ethyl Benzene	11.59	91	202538	17.31	ug/l	99
68) m/p-Xylenes	11.70	106	149470	34.19	ug/l	100
69) o-Xylene	12.03	106	70692	17.01	ug/l	100
70) Styrene	12.05	104	124397	17.22	ug/l	99
71) Bromoform	12.22	173	19836	16.32	ug/l #	97
73) Isopropylbenzene	12.33	105	191539	17.18	ug/l	100
74) N-amyl acetate	12.15	43	60936	17.12	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	42031	17.65	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	55214	32.88	ug/l #	100
77) Bromobenzene	12.61	156	41475	17.16	ug/l	98
78) n-propylbenzene	12.67	91	239256	17.62	ug/l	100
79) 2-Chlorotoluene	12.76	91	131038	17.20	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	160104	17.34	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14598	16.49	ug/l	93
82) 4-Chlorotoluene	12.86	91	137909	17.17	ug/l	99
83) tert-Butylbenzene	13.08	119	131247	17.00	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	158916	17.27	ug/l	99
85) sec-Butylbenzene	13.26	105	198057	17.44	ug/l	100
86) p-Isopropyltoluene	13.38	119	173681	17.61	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	82144	17.52	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	83720	17.67	ug/l	99
89) n-Butylbenzene	13.70	91	177764	17.64	ug/l	98
90) Hexachloroethane	13.97	117	31797	17.11	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	76023	17.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6914	17.59	ug/l	97

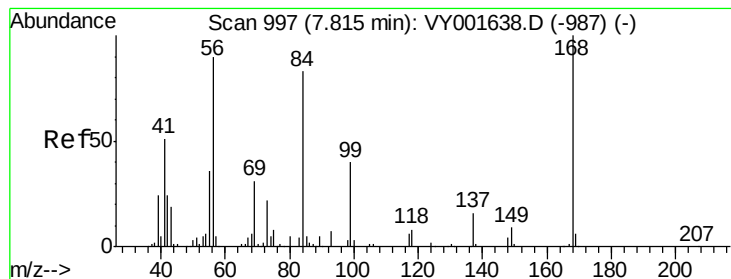
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY022420\
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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48992	17.09	ug/l	99
94) Hexachlorobutadiene	15.12	225	23525	16.50	ug/l	97
95) Naphthalene	15.24	128	116073	17.56	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	43642	17.30	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

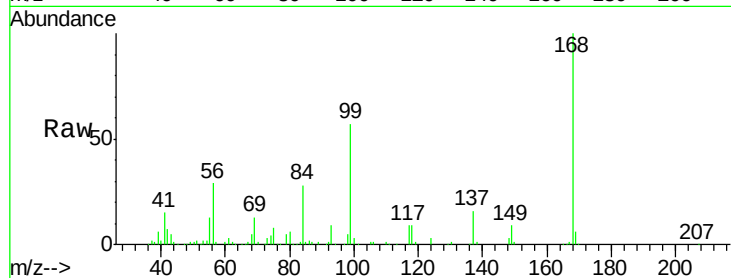
VY0224SBS01

Tgt Ion:168 Resp: 194815

Ion Ratio Lower Upper

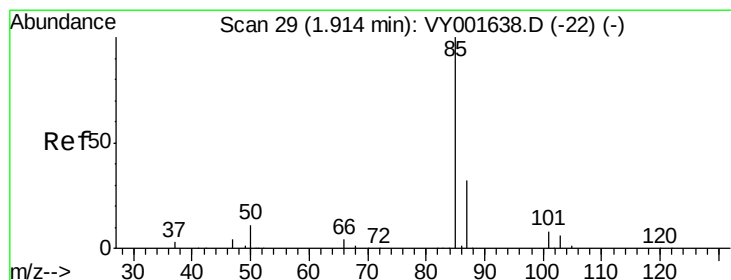
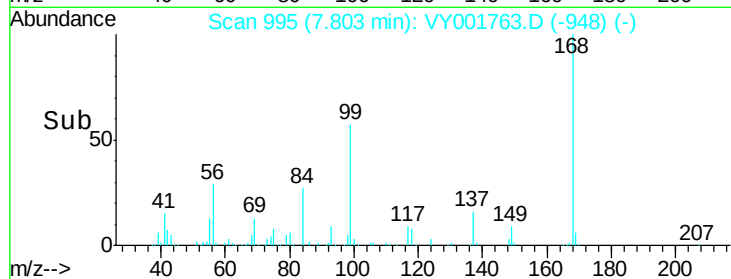
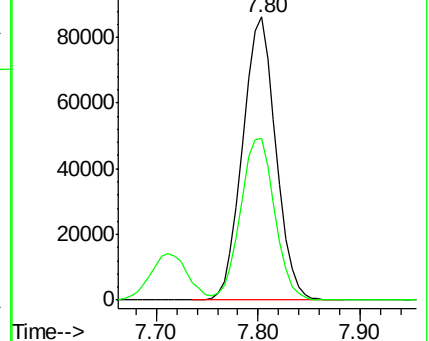
168 100

99 57.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



#2

Dichlorodifluoromethane

Concen: 14.93 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001763.D

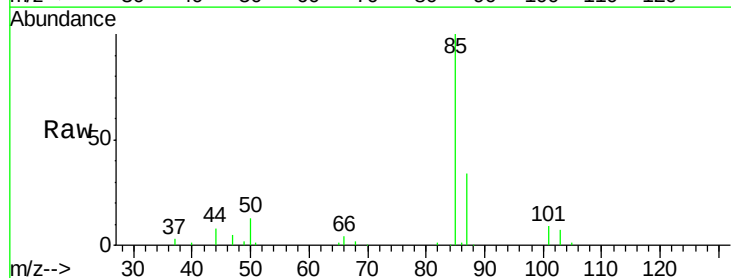
Acq: 24 Feb 2020 11:27

Tgt Ion: 85 Resp: 28347

Ion Ratio Lower Upper

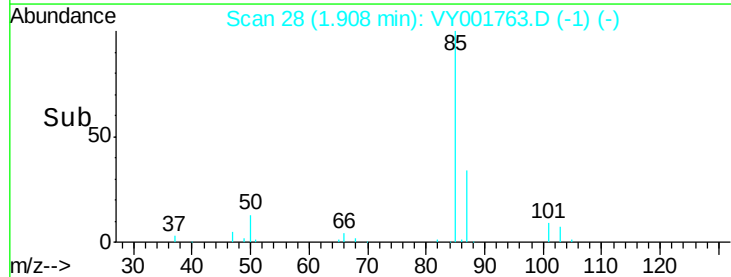
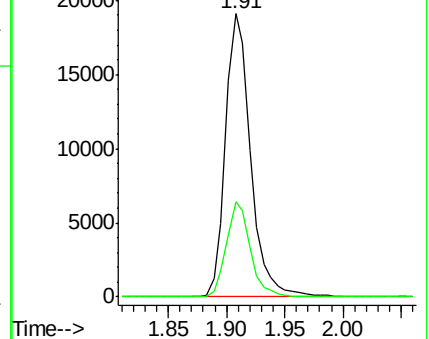
85 100

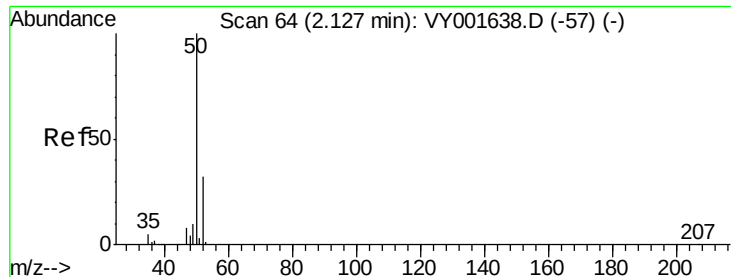
87 33.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)





#3

Chloromethane

Concen: 16.87 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

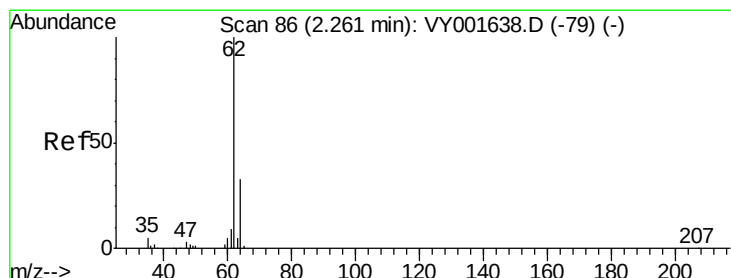
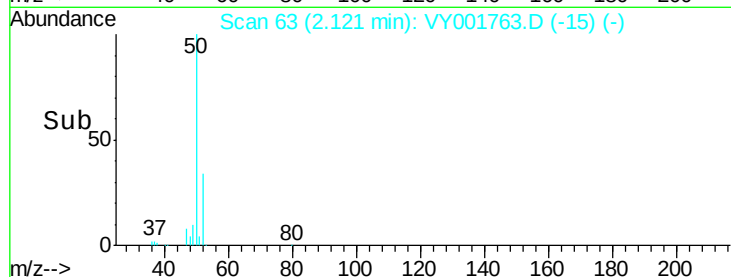
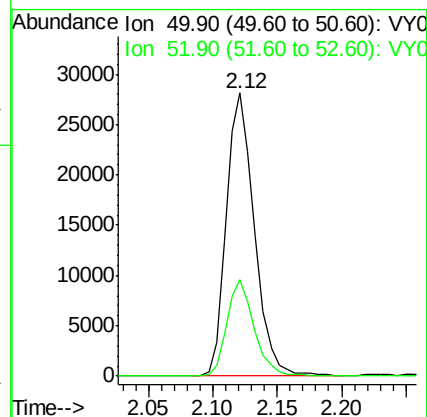
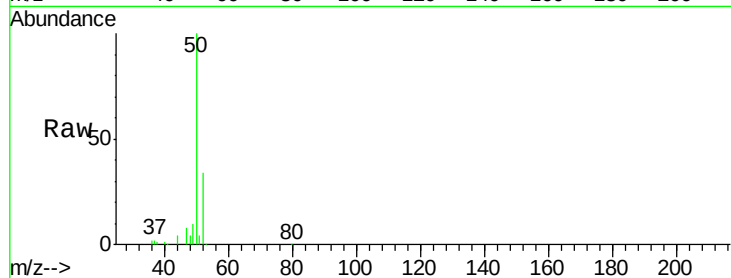
VY0224SBS01

Tgt Ion: 50 Resp: 43091

Ion Ratio Lower Upper

50 100

52 34.0 25.8 38.6



#4

Vinyl Chloride

Concen: 15.73 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001763.D

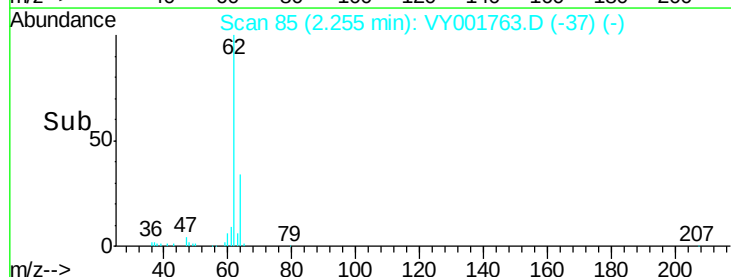
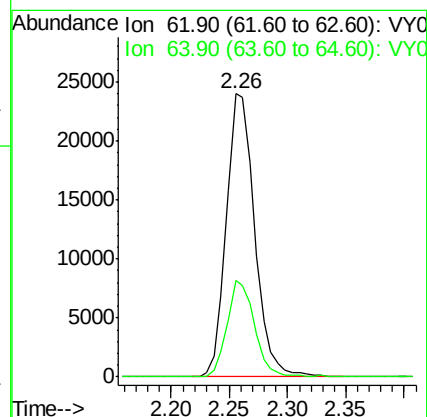
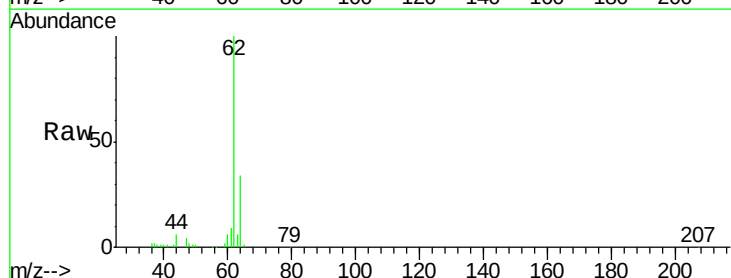
Acq: 24 Feb 2020 11:27

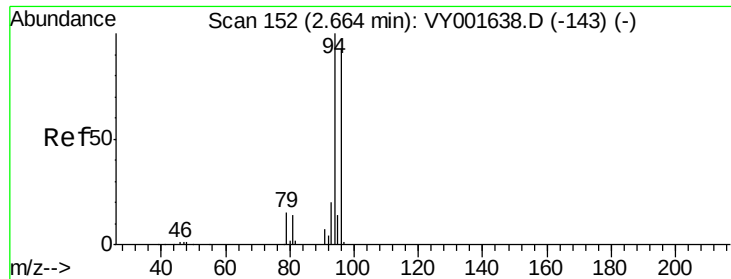
Tgt Ion: 62 Resp: 40529

Ion Ratio Lower Upper

62 100

64 34.1 24.9 37.3





#5

Bromomethane

Concen: 17.07 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

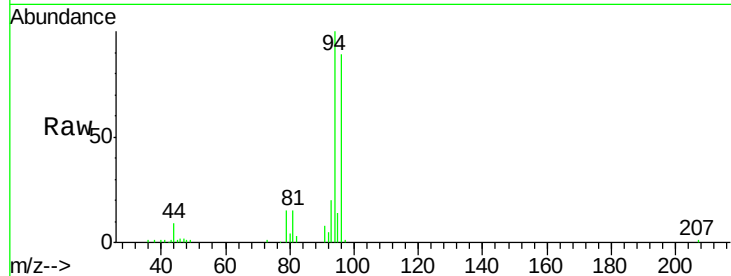
VY0224SBS01

Tgt Ion: 94 Resp: 27480

Ion Ratio Lower Upper

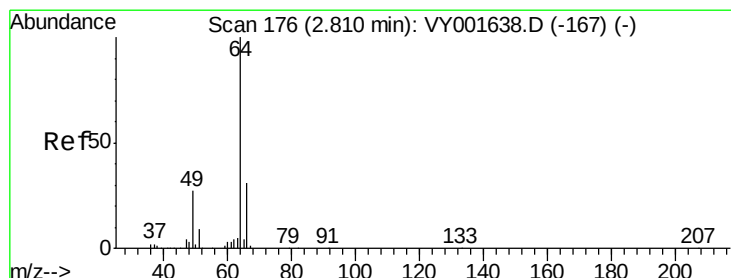
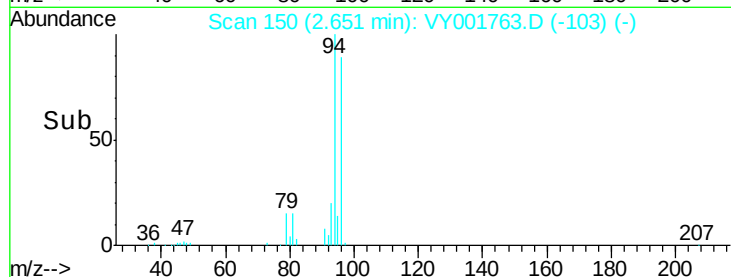
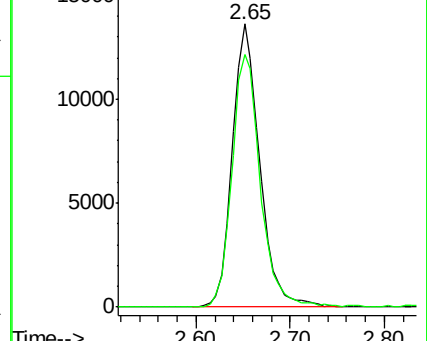
94 100

96 89.1 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 16.44 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001763.D

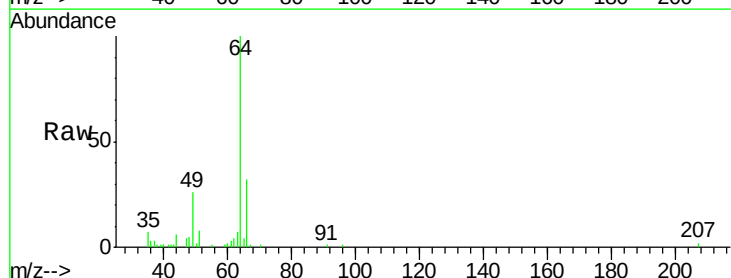
Acq: 24 Feb 2020 11:27

Tgt Ion: 64 Resp: 26093

Ion Ratio Lower Upper

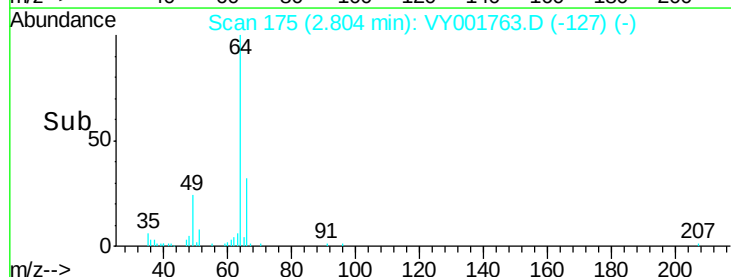
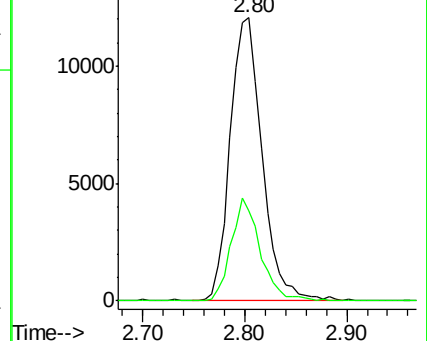
64 100

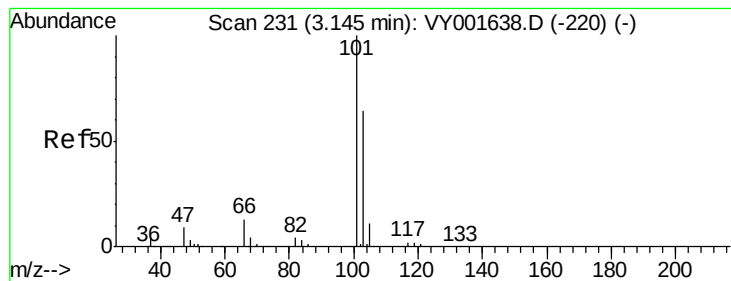
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



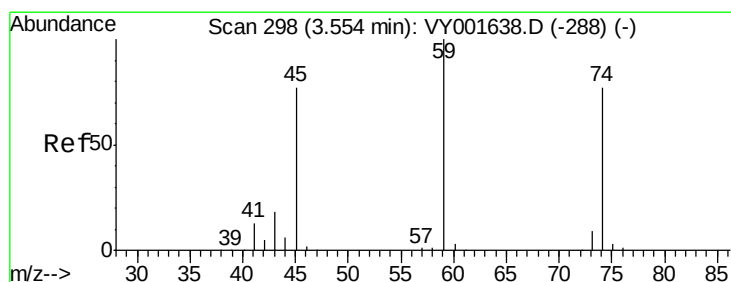
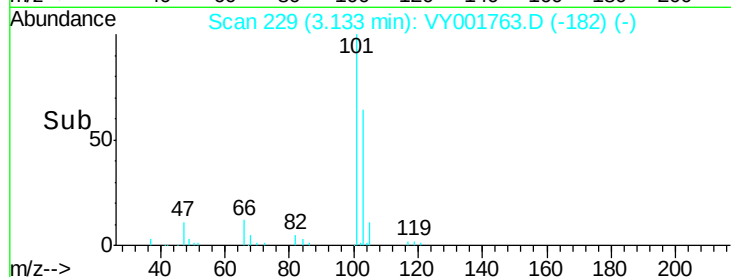
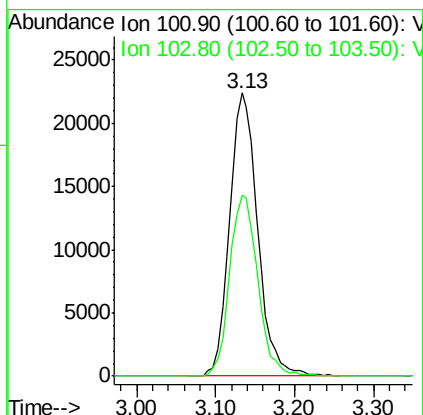
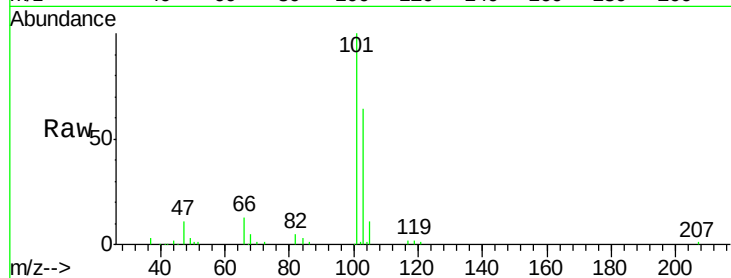


#7

Trichlorofluoromethane
 Concen: 16.82 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

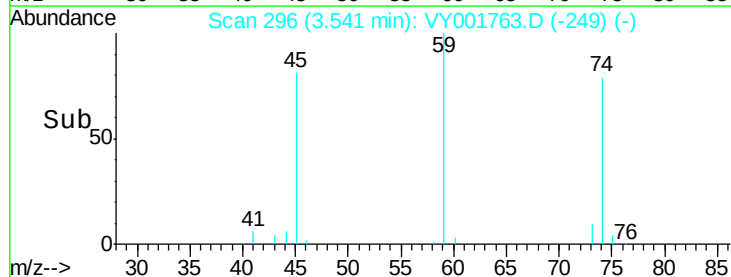
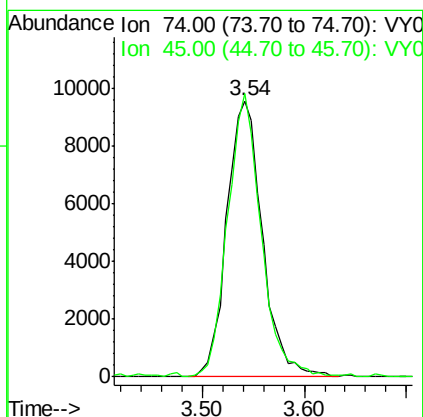
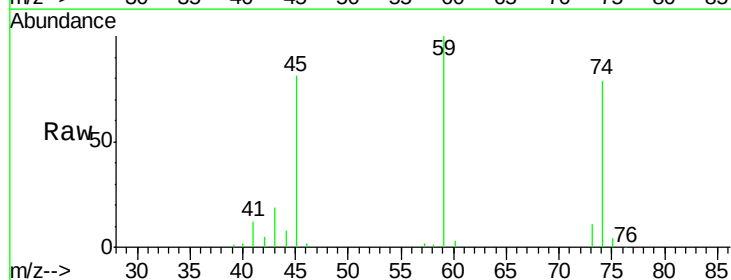
Tgt Ion:101 Resp: 55475
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.2 78.2

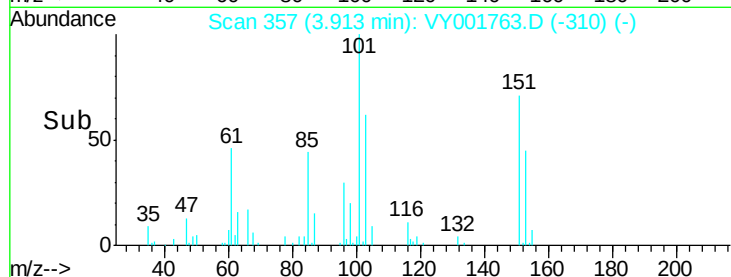
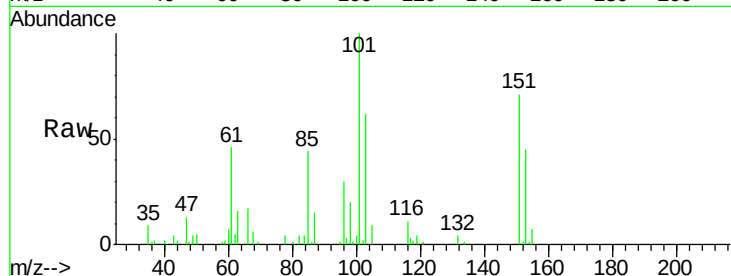
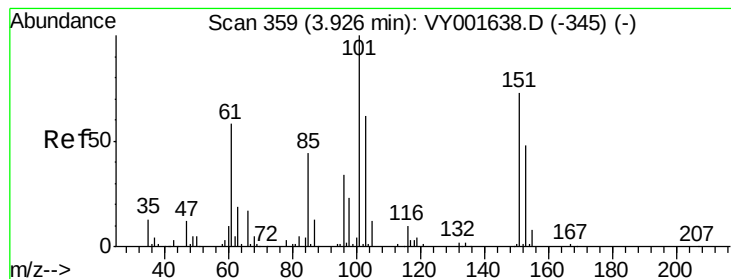


#8

Diethyl Ether
 Concen: 17.73 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion: 74 Resp: 23048
 Ion Ratio Lower Upper
 74 100
 45 97.1 49.6 148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.50 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

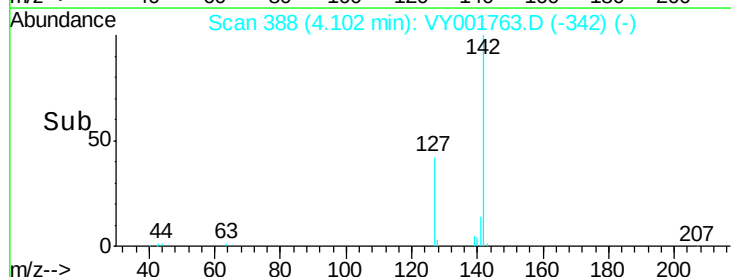
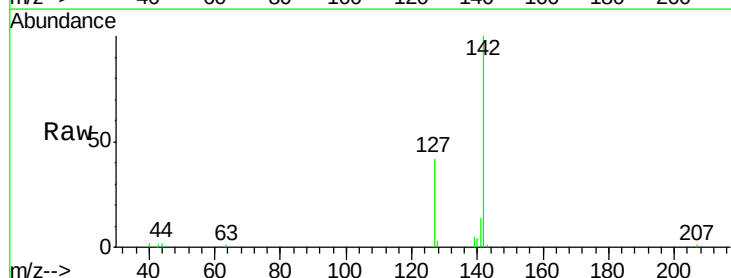
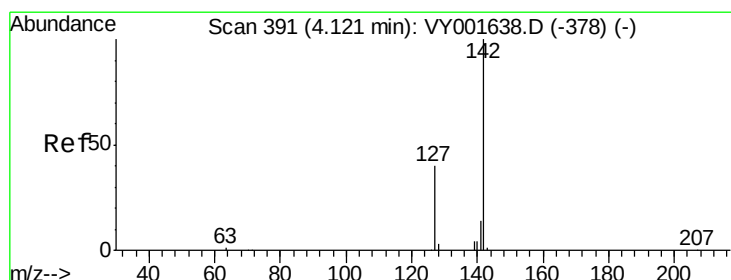
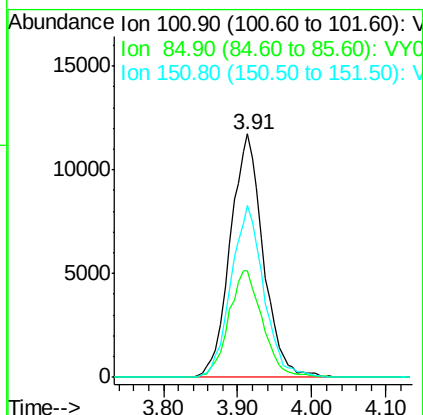
Tgt Ion:101 Resp: 36269

Ion Ratio Lower Upper

101 100

85 45.1 35.1 52.7

151 70.2 58.4 87.6



#10

Methyl Iodide

Concen: 14.80 ug/l

RT: 4.10 min Scan# 388

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

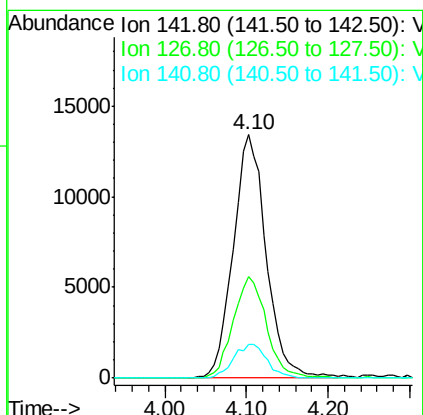
Tgt Ion:142 Resp: 37536

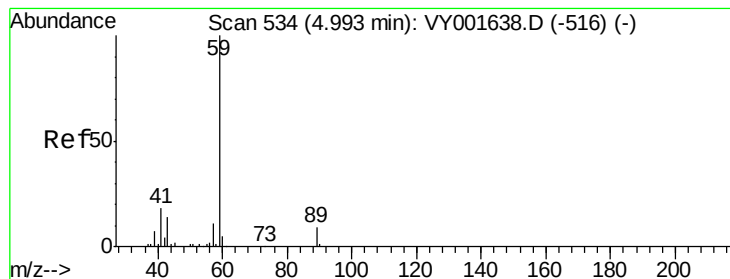
Ion Ratio Lower Upper

142 100

127 41.8 32.1 48.1

141 14.2 11.3 16.9





#11

Tert butyl alcohol

Concen: 81.33 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.03 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

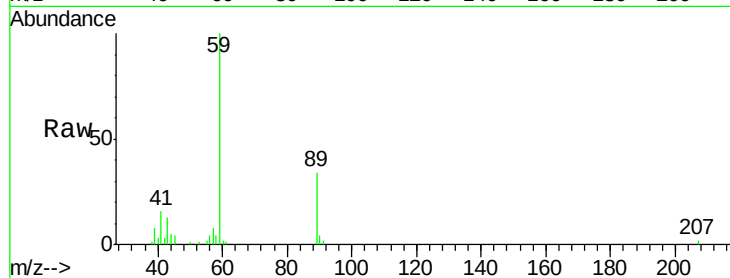
VY0224SBS01

Tgt Ion: 59 Resp: 23892

Ion Ratio Lower Upper

59 100

57 8.0 7.4 11.2



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.96

6000

5000

4000

3000

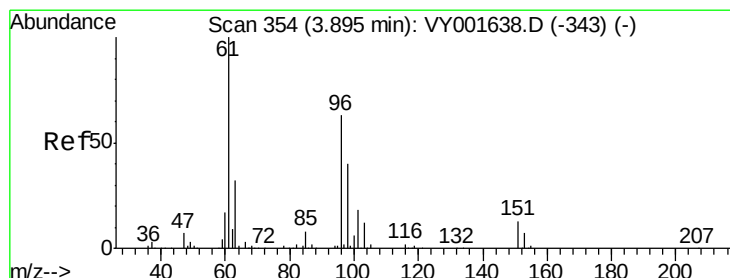
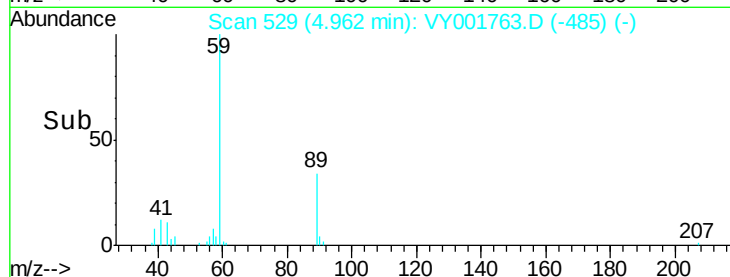
2000

1000

0

Time-->

4.80 4.90 5.00 5.10



#12

1,1-Dichloroethene

Concen: 17.08 ug/l

RT: 3.88 min Scan# 352

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

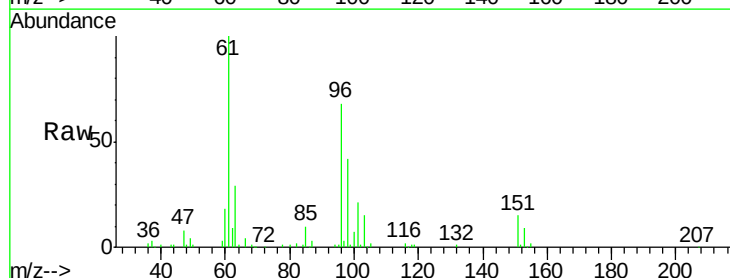
Tgt Ion: 96 Resp: 36097

Ion Ratio Lower Upper

96 100

61 147.9 128.7 193.1

98 61.9 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

25000

20000

15000

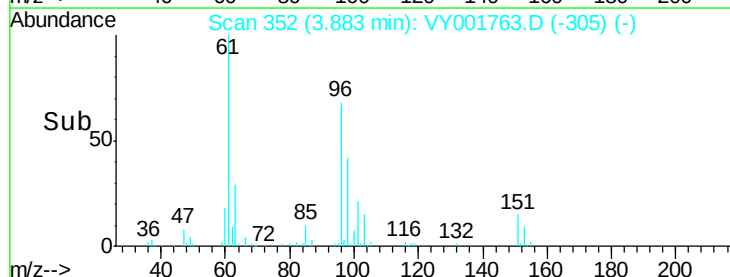
10000

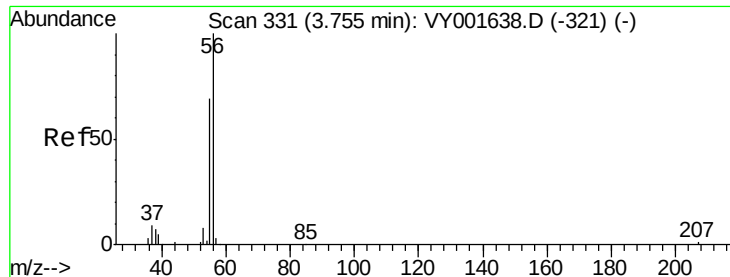
5000

0

Time-->

3.80 3.90 4.00





#13

Acrolein

Concen: 94.80 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

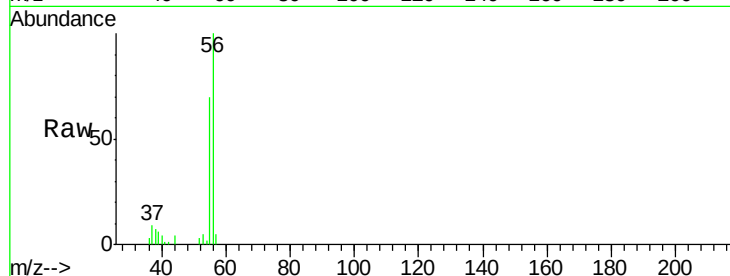
VY0224SBS01

Tgt Ion: 56 Resp: 20063

Ion Ratio Lower Upper

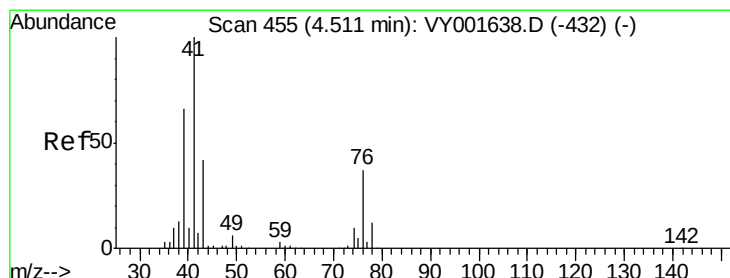
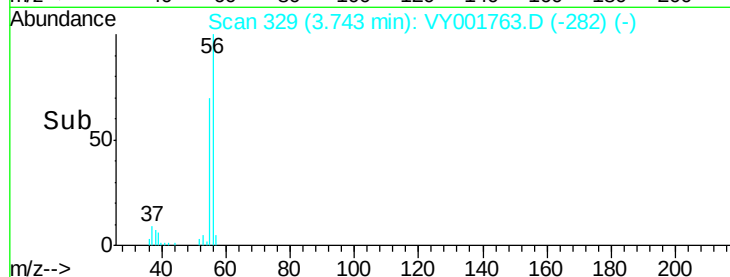
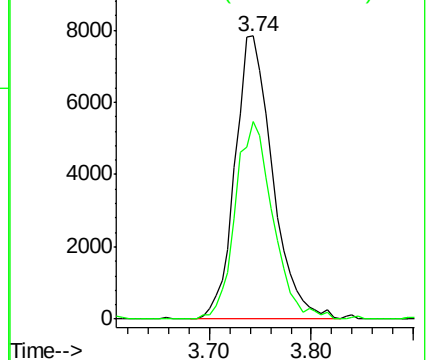
56 100

55 69.6 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 17.47 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

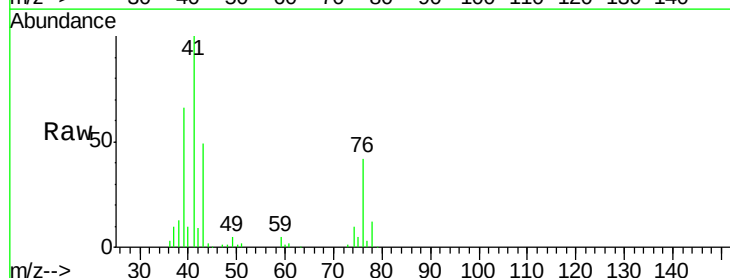
Tgt Ion: 41 Resp: 65715

Ion Ratio Lower Upper

41 100

39 62.5 49.4 74.0

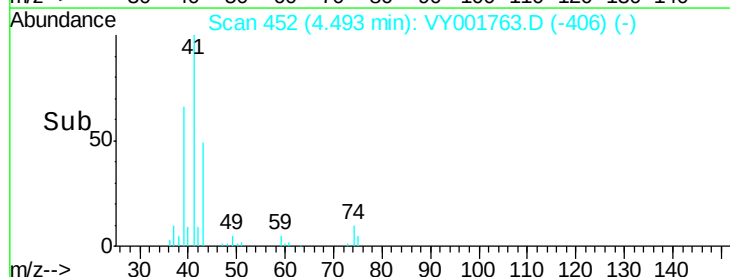
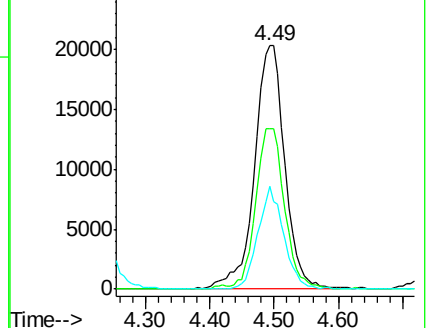
76 35.8 29.0 43.6

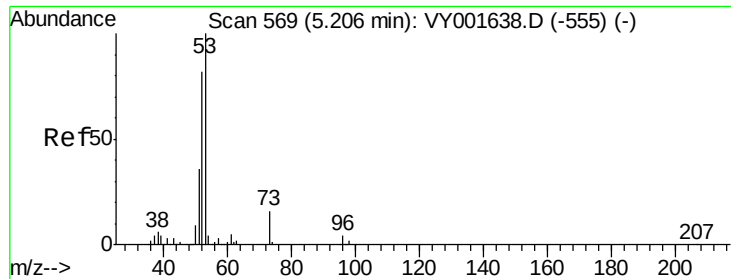


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 91.55 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

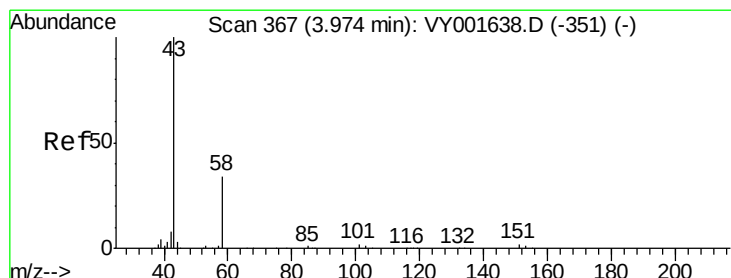
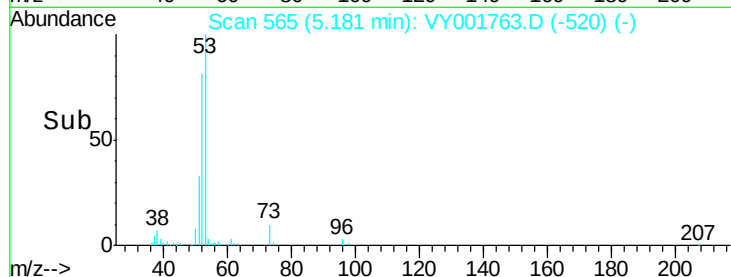
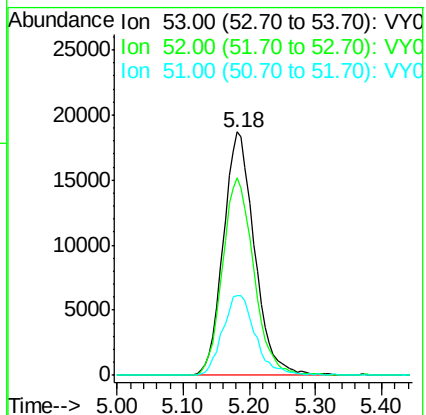
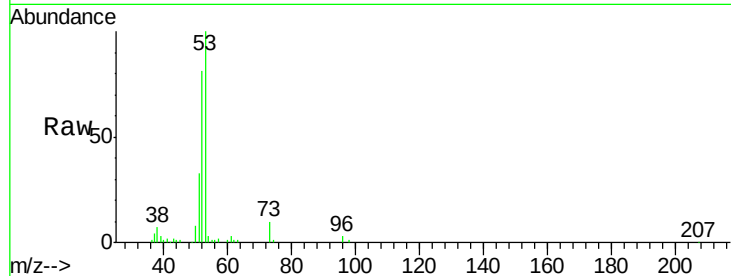
Tgt Ion: 53 Resp: 61000

Ion Ratio Lower Upper

53 100

52 80.9 65.4 98.0

51 34.6 28.0 42.0



#16

Acetone

Concen: 77.03 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001763.D

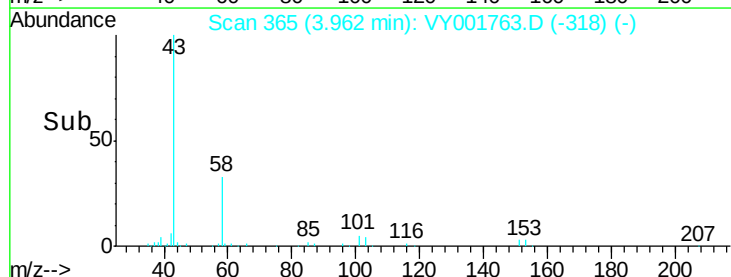
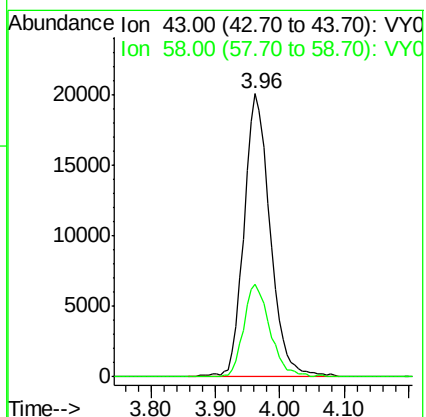
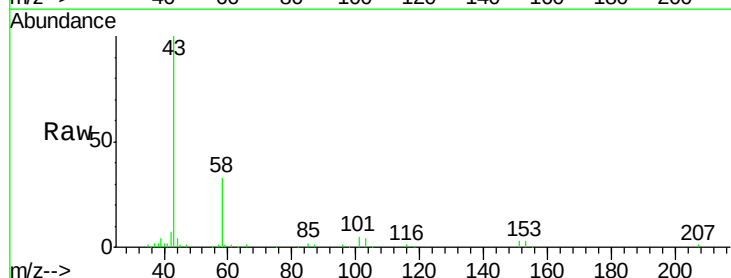
Acq: 24 Feb 2020 11:27

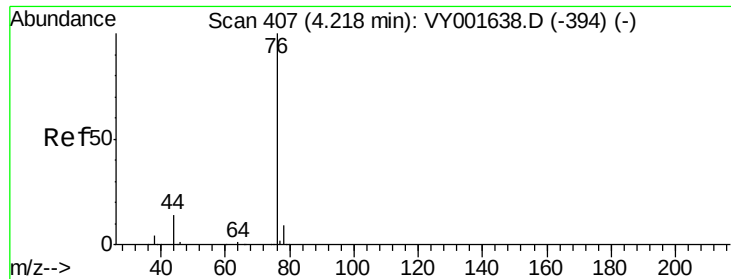
Tgt Ion: 43 Resp: 55855

Ion Ratio Lower Upper

43 100

58 32.6 27.3 40.9

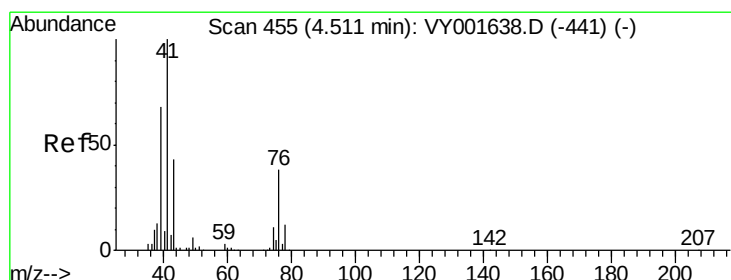
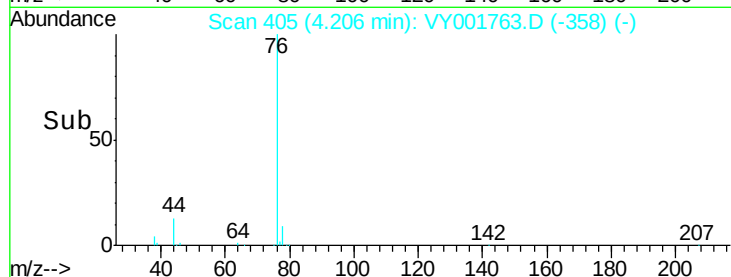
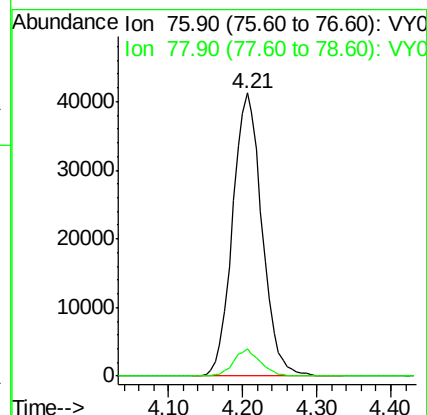
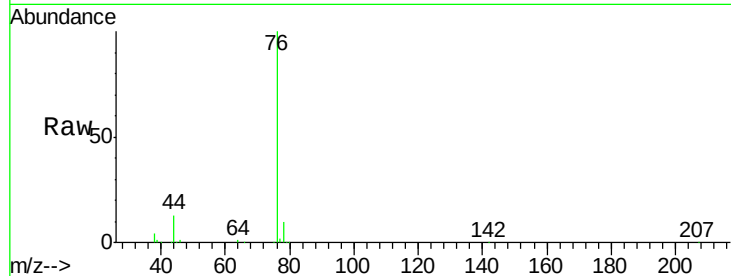




#17
Carbon Disulfide
Concen: 16.19 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

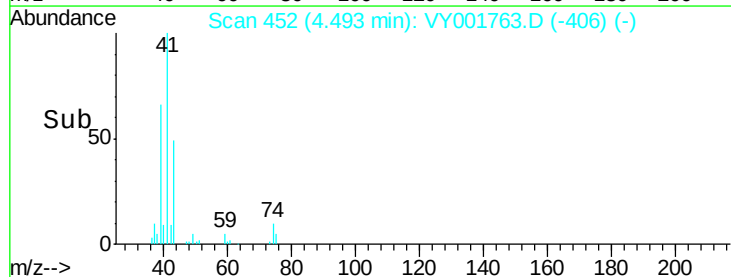
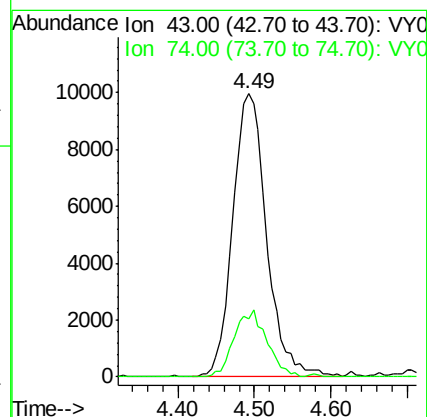
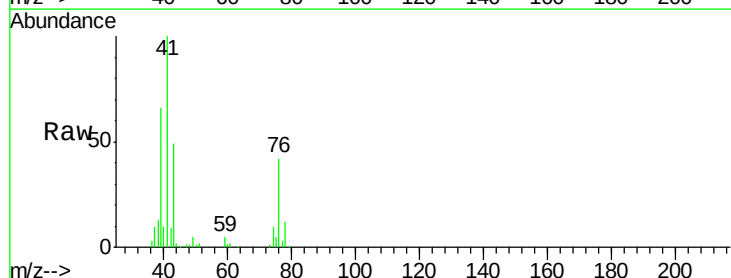
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

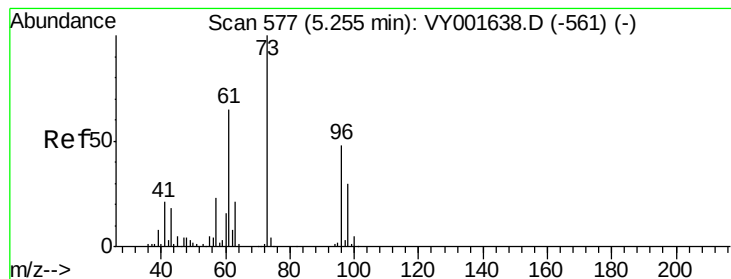
Tgt Ion: 76 Resp: 114276
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 19.34 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 43 Resp: 30546
Ion Ratio Lower Upper
43 100
74 22.7 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 17.58 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

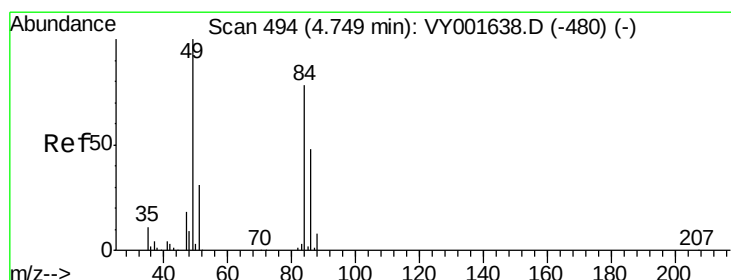
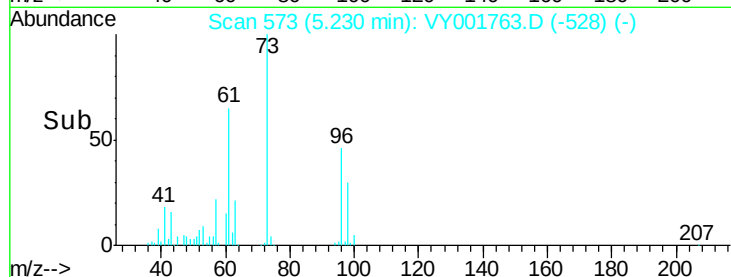
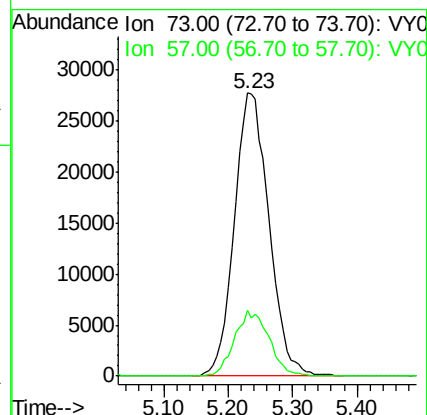
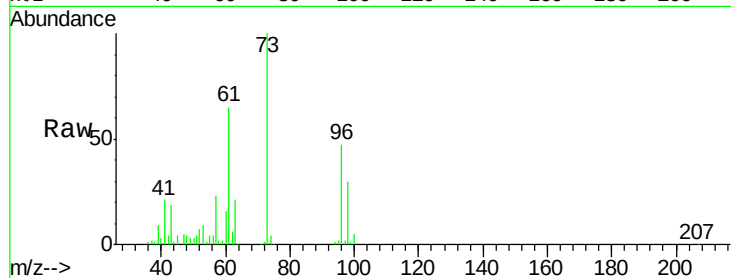
VY0224SBS01

Tgt Ion: 73 Resp: 103445

Ion Ratio Lower Upper

73 100

57 23.1 19.0 28.6



#20

Methylene Chloride

Concen: 17.45 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Tgt Ion: 84 Resp: 44950

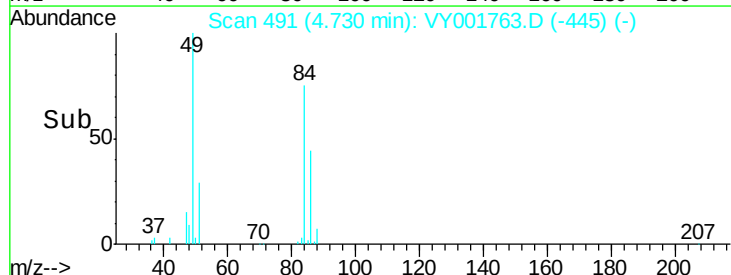
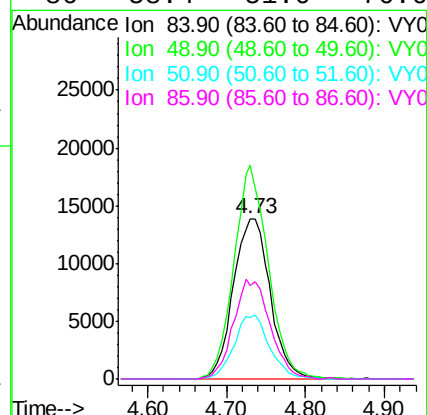
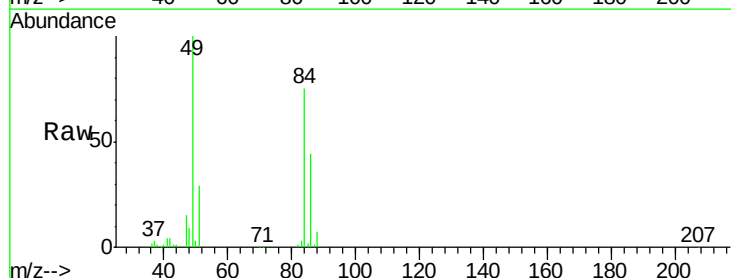
Ion Ratio Lower Upper

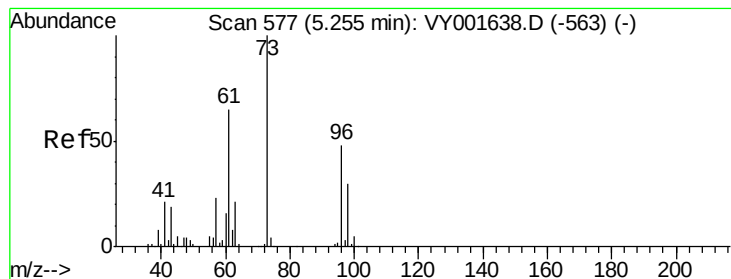
84 100

49 133.3 99.2 148.8

51 38.3 31.5 47.3

86 58.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 16.77 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

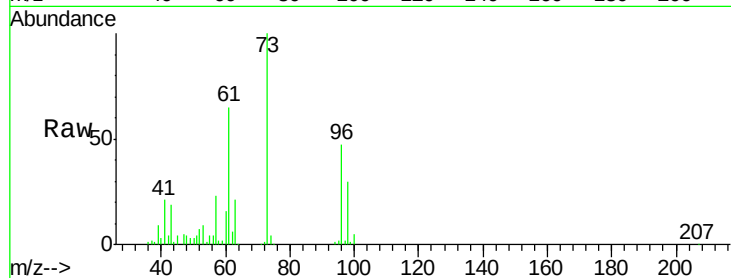
Tgt Ion: 96 Resp: 40438

Ion Ratio Lower Upper

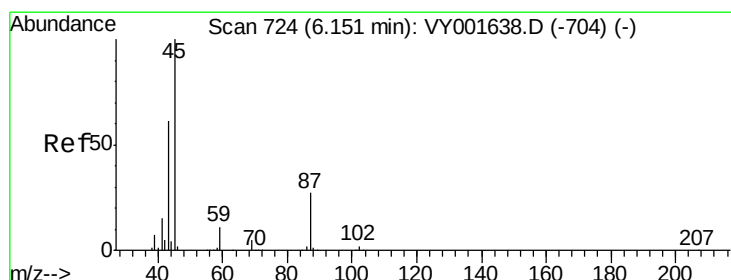
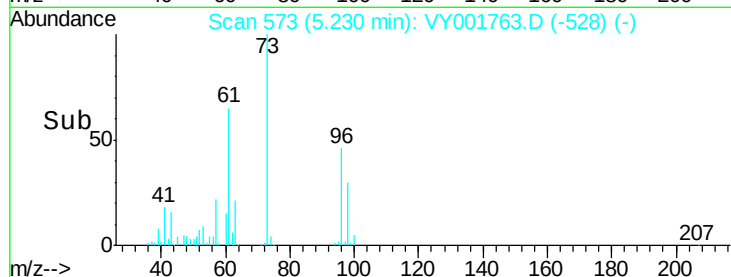
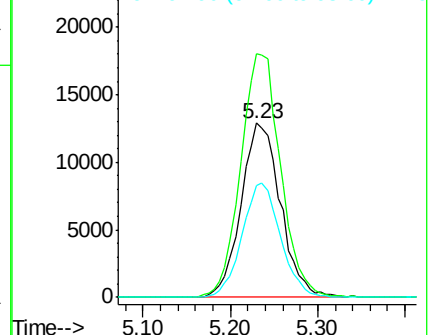
96 100

61 139.6 107.9 161.9

98 63.8 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 17.65 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Tgt Ion: 45 Resp: 136366

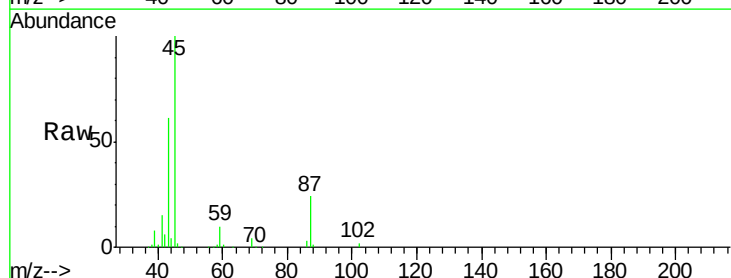
Ion Ratio Lower Upper

45 100

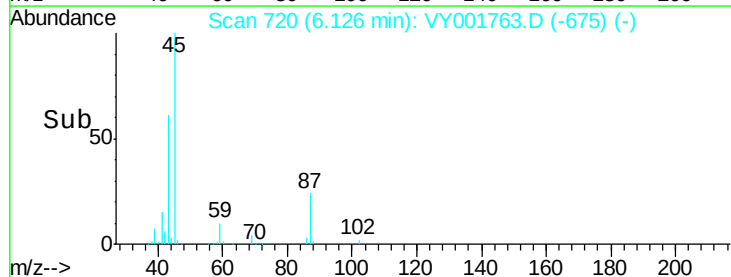
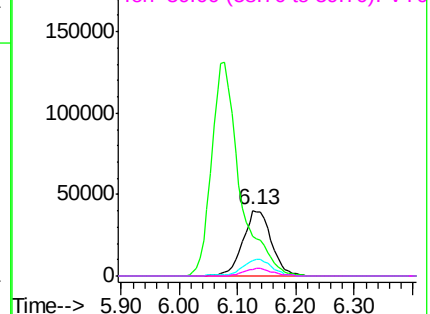
43 61.1 46.4 69.6

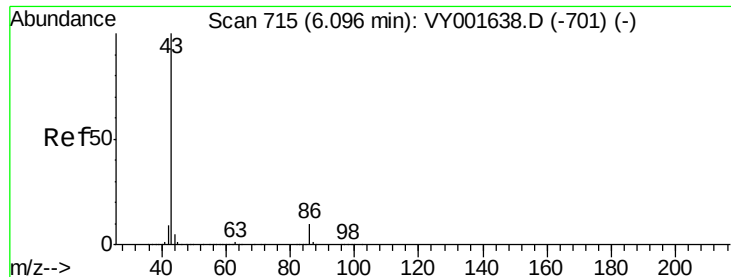
87 23.5 22.1 33.1

59 9.6 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 87.48 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampled :

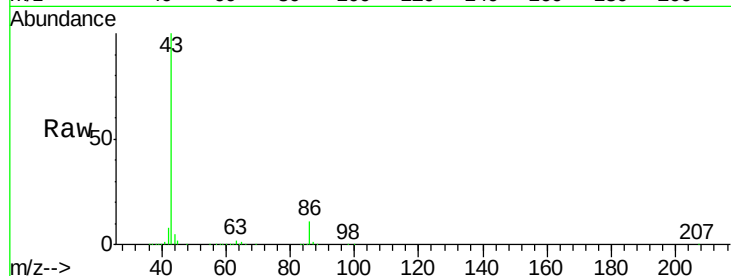
VY0224SBS01

Tgt Ion: 43 Resp: 440863

Ion Ratio Lower Upper

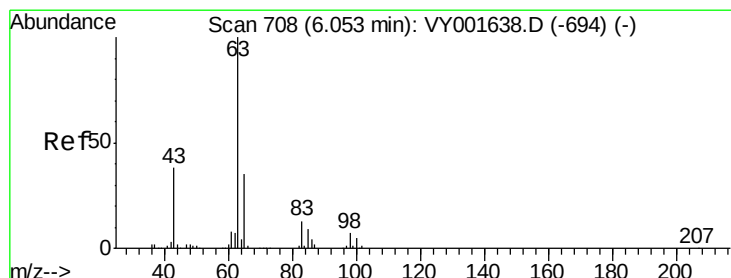
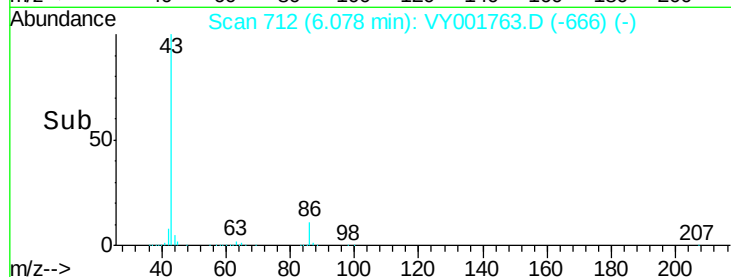
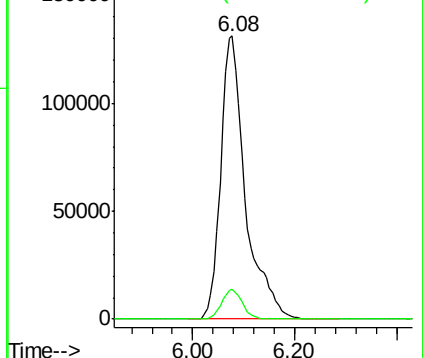
43 100

86 10.5 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 17.54 ug/l

RT: 6.03 min Scan# 705

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

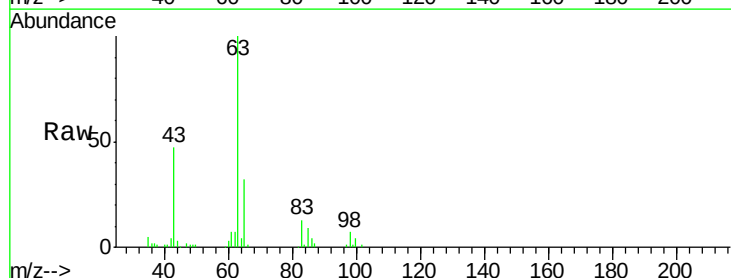
Tgt Ion: 63 Resp: 72443

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

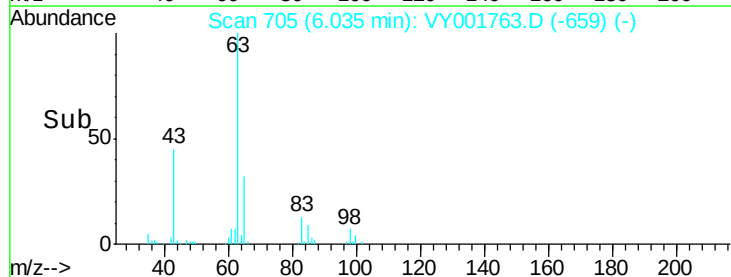
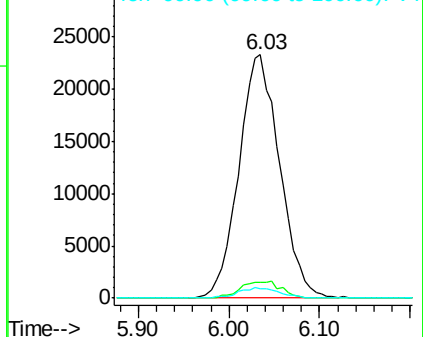
100 3.9 2.3 6.9

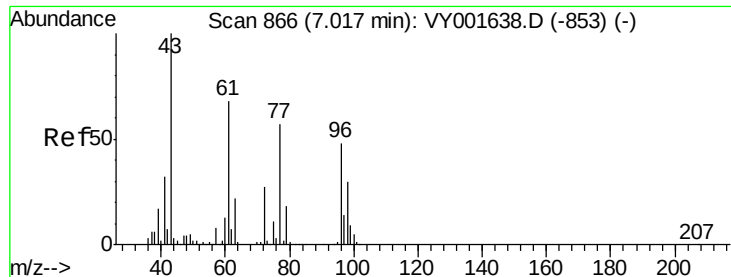


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 84.73 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

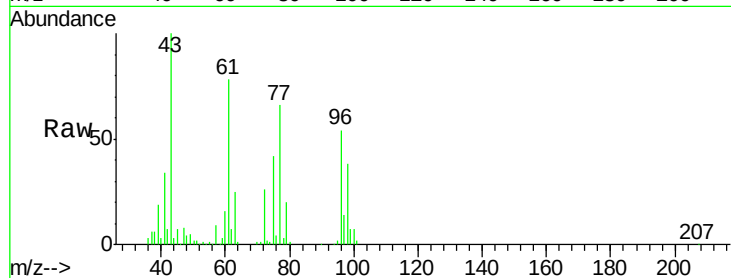
VY0224SBS01

Tgt Ion: 43 Resp: 83454

Ion Ratio Lower Upper

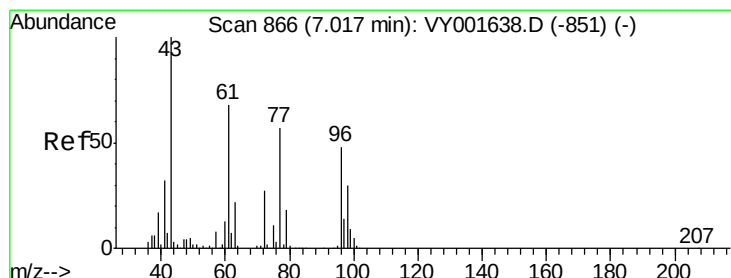
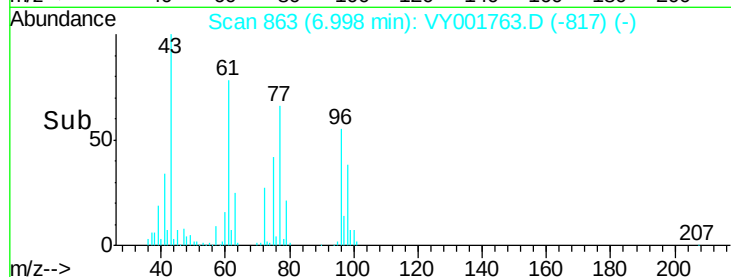
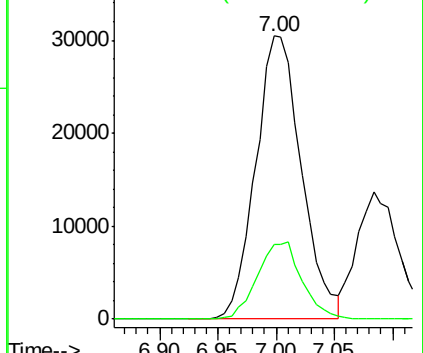
43 100

72 26.5 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 17.29 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001763.D

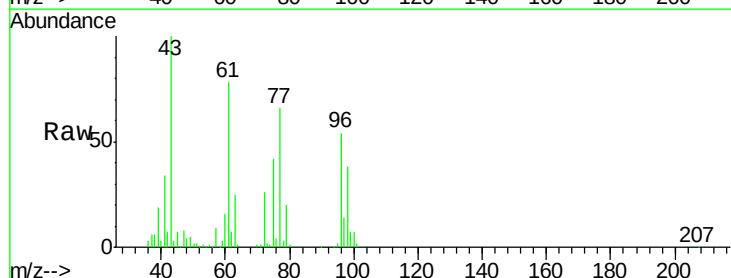
Acq: 24 Feb 2020 11:27

Tgt Ion: 77 Resp: 62128

Ion Ratio Lower Upper

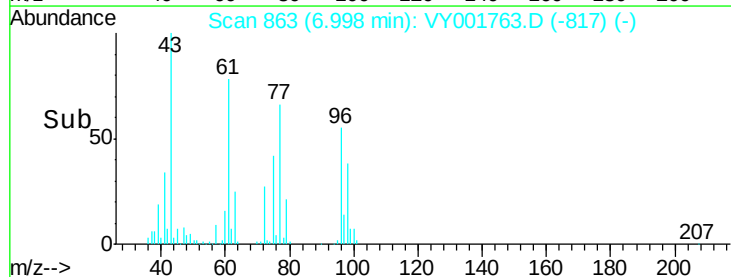
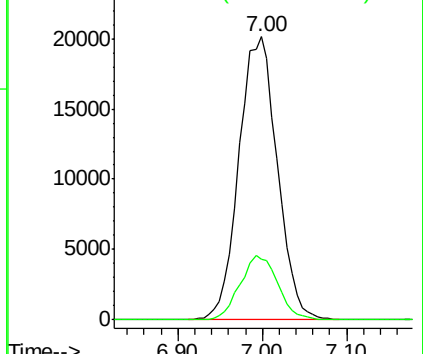
77 100

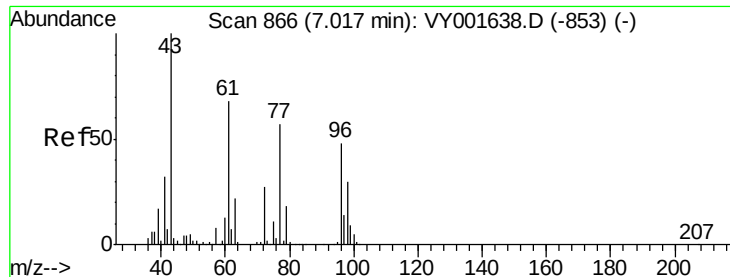
97 22.3 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



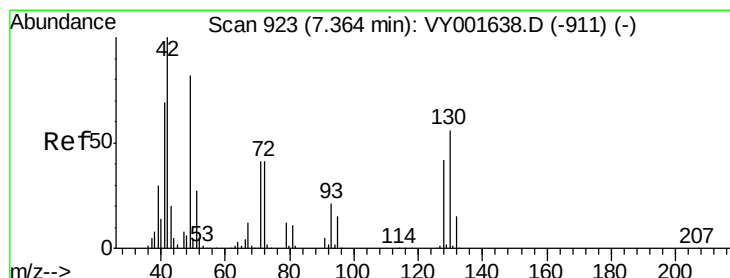
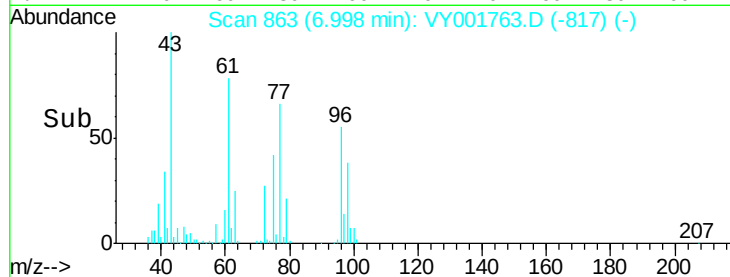
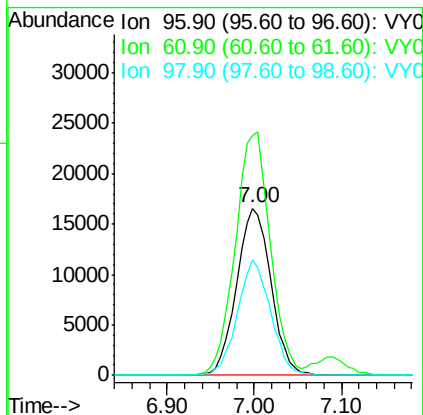
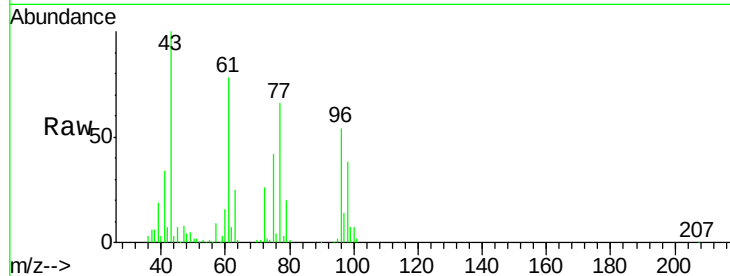


#27

cis-1,2-Dichloroethene
Concen: 16.99 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

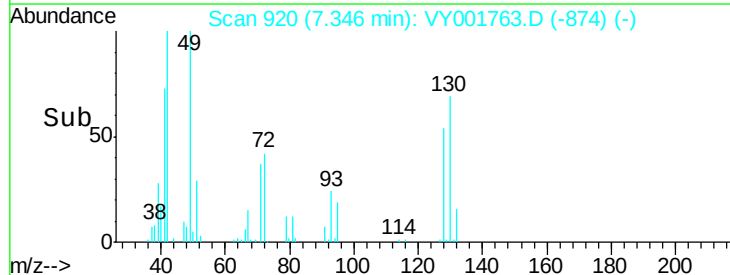
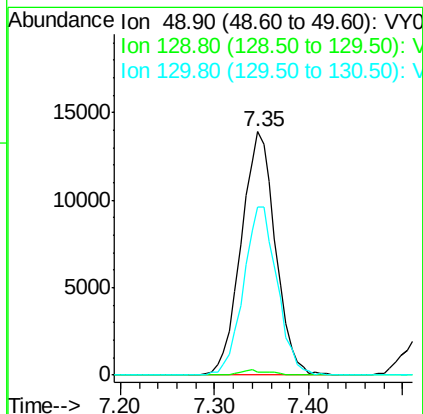
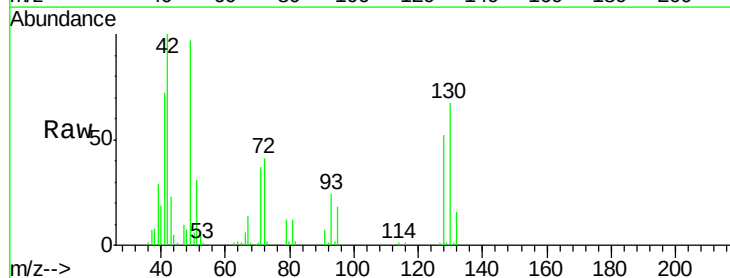
Tgt Ion: 96 Resp: 45219
Ion Ratio Lower Upper
96 100
61 148.8 0.0 290.8
98 66.5 0.0 128.6

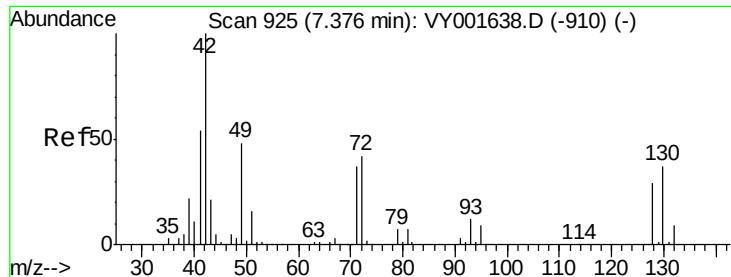


#28

Bromochloromethane
Concen: 20.57 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 49 Resp: 35375
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.6
130 67.9 56.2 84.4

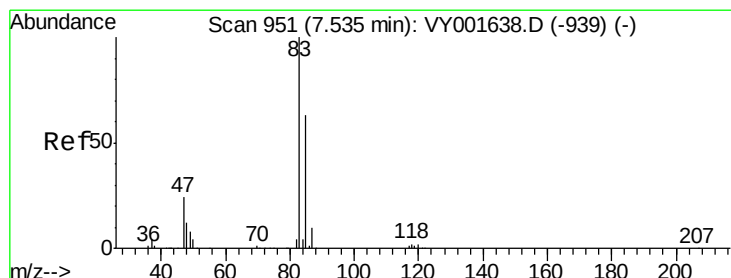
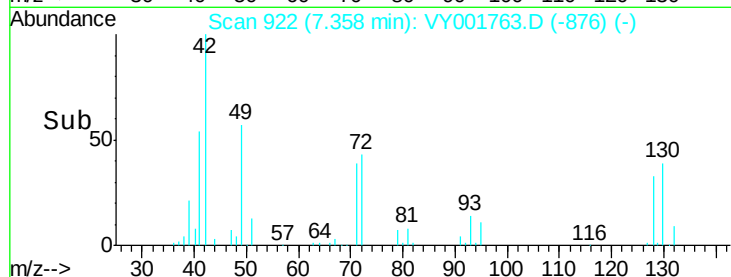
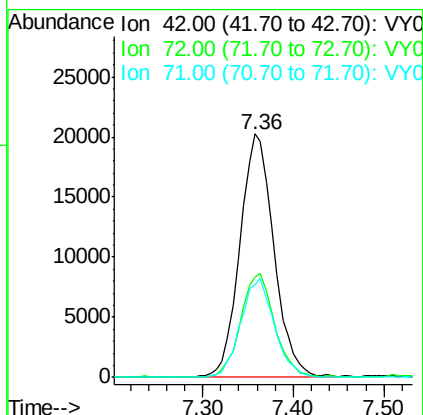
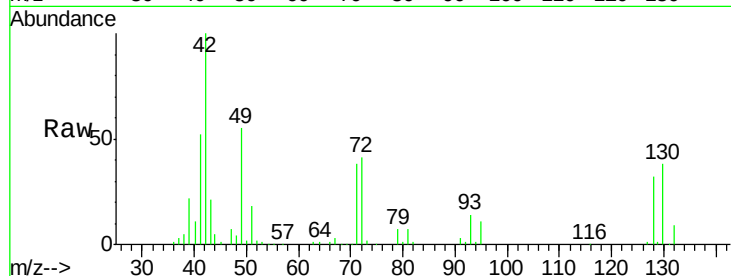




#29
Tetrahydrofuran
Concen: 88.63 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

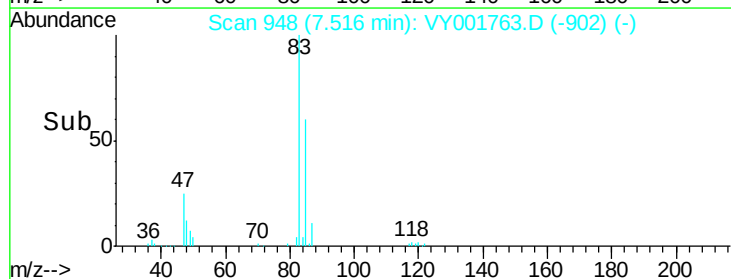
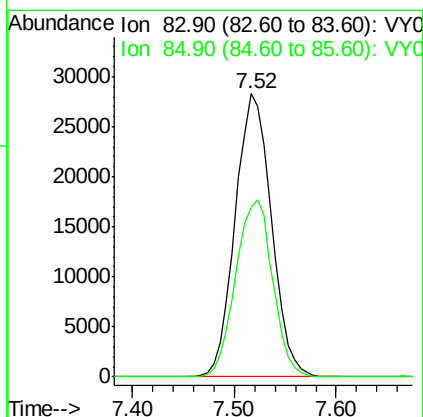
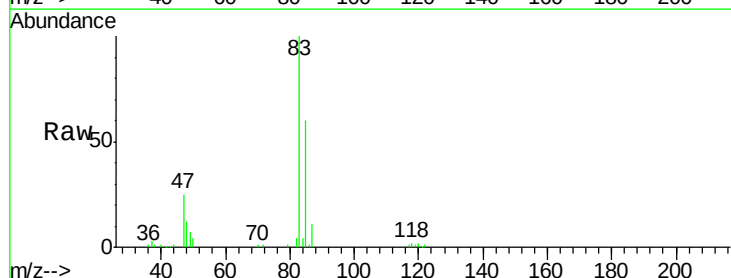
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

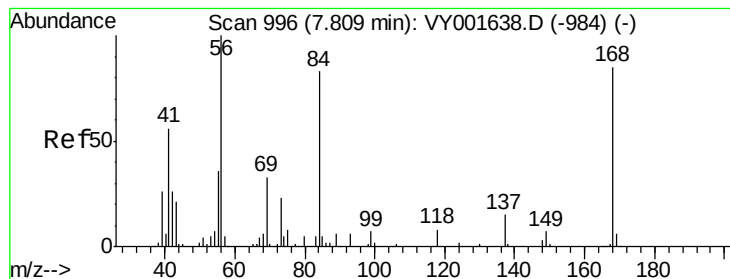
Tgt Ion: 42 Resp: 52765
Ion Ratio Lower Upper
42 100
72 42.5 34.4 51.6
71 39.8 31.8 47.8



#30
Chloroform
Concen: 17.32 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 83 Resp: 69892
Ion Ratio Lower Upper
83 100
85 60.0 51.6 77.4





#31

Cyclohexane

Concen: 17.05 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

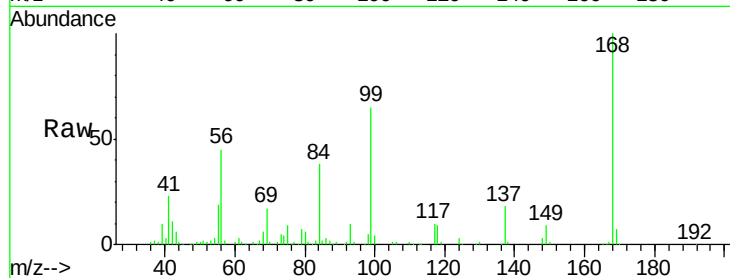
Tgt Ion: 56 Resp: 75072

Ion Ratio Lower Upper

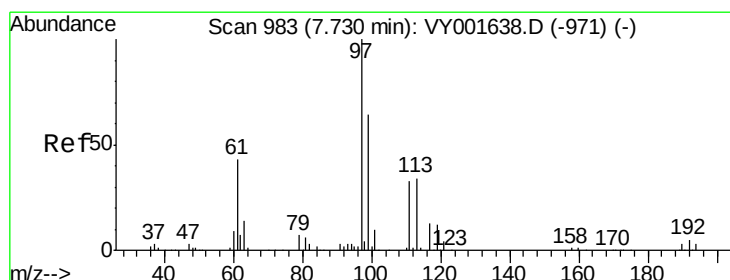
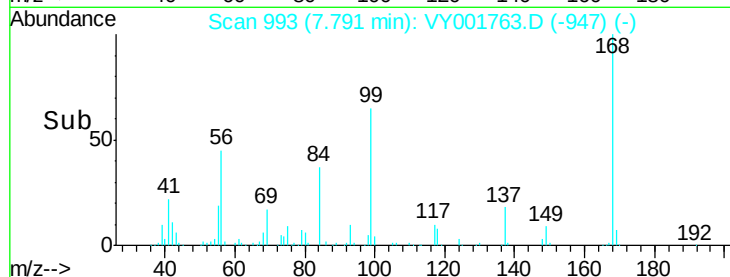
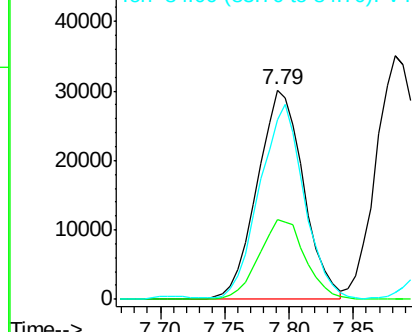
56 100

69 38.1 25.1 37.7#

84 85.0 66.9 100.3



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



#32

1,1,1-Trichloroethane

Concen: 17.35 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

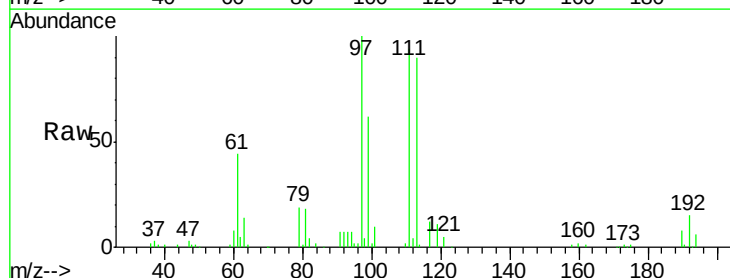
Tgt Ion: 97 Resp: 58843

Ion Ratio Lower Upper

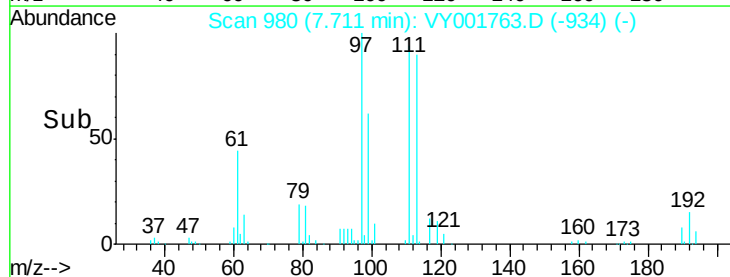
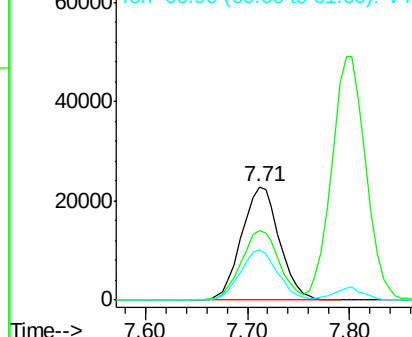
97 100

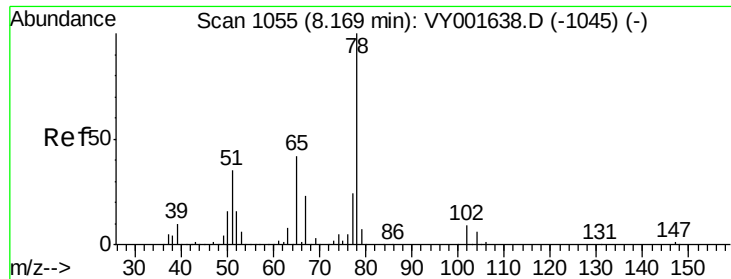
99 62.1 51.2 76.8

61 43.9 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

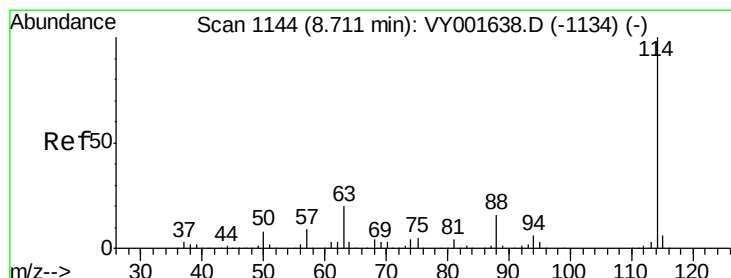
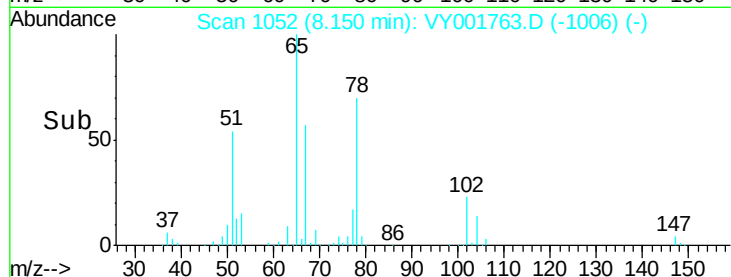
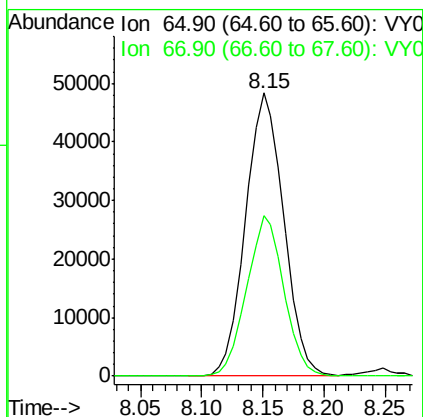
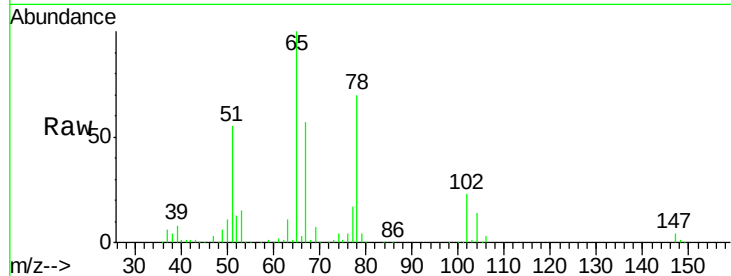




#33
 1,2-Dichloroethane-d4
 Concen: 50.20 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

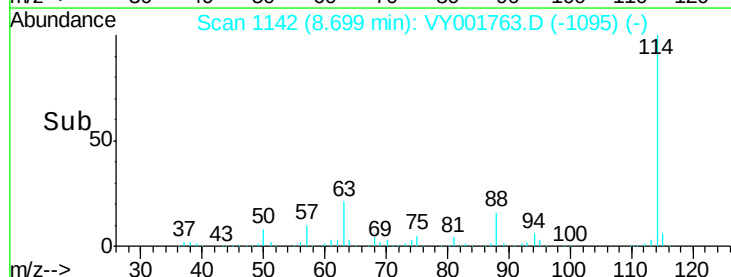
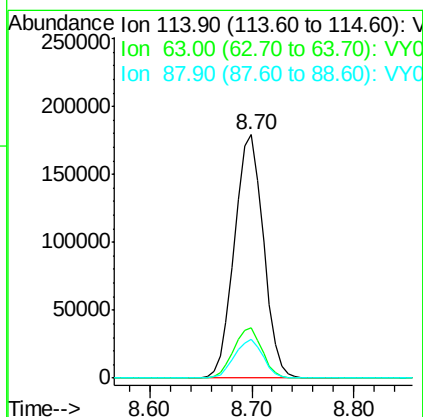
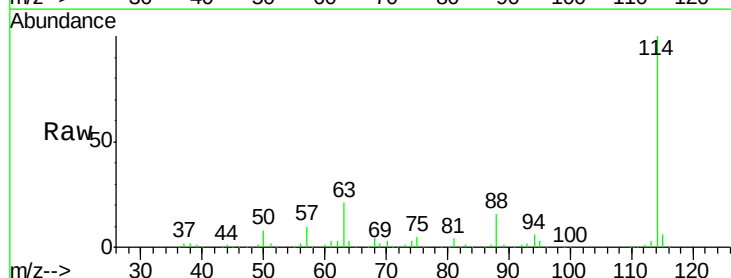
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

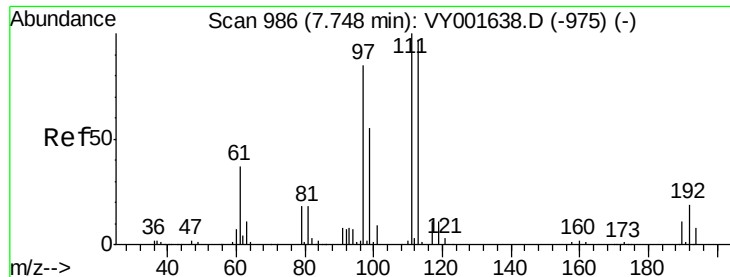
Tgt Ion: 65 Resp: 105200
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion: 114 Resp: 352351
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 16.0 0.0 32.8

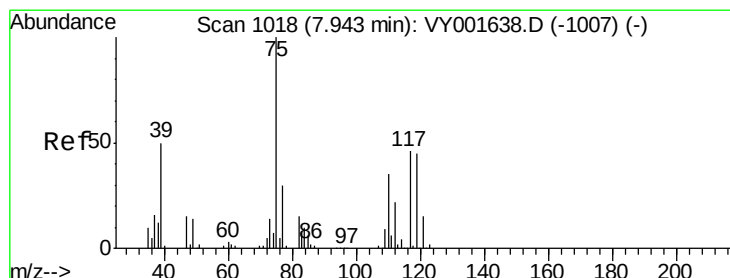
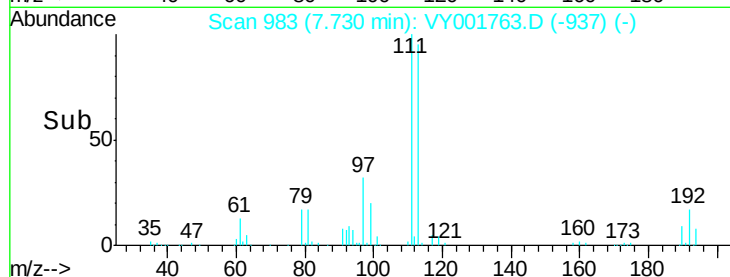
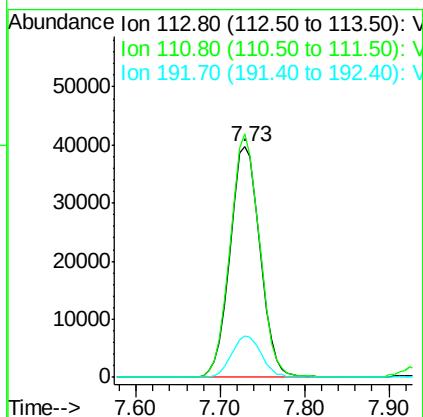
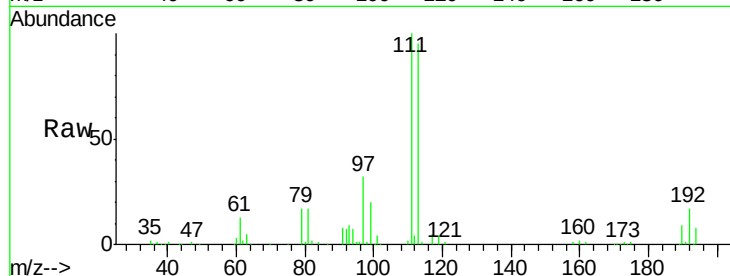




#35
 Dibromofluoromethane
 Concen: 47.70 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

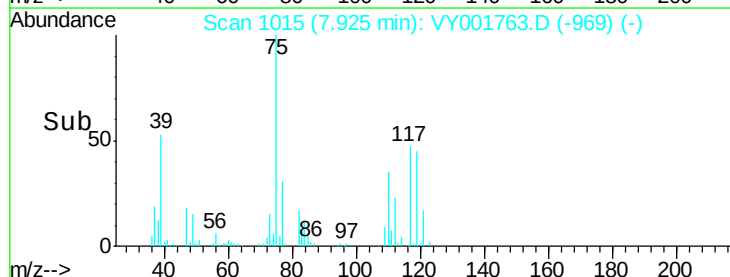
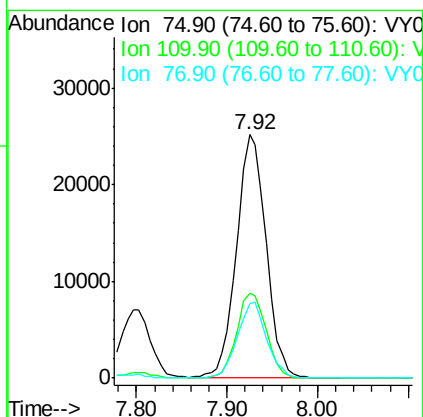
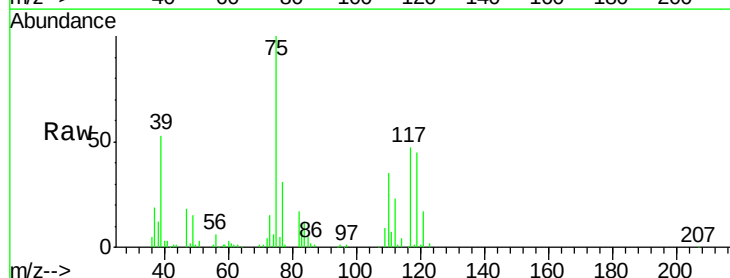
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

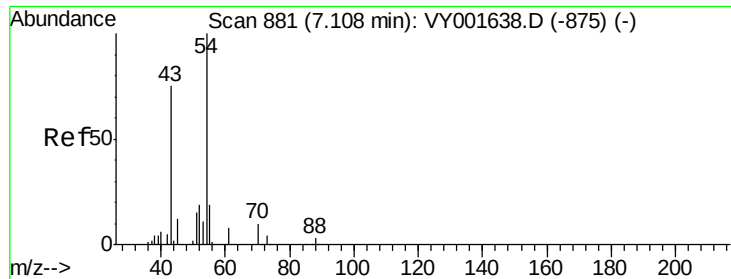
Tgt Ion:113 Resp: 96258
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.9 122.9
 192 17.7 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 16.94 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.02 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion: 75 Resp: 57002
 Ion Ratio Lower Upper
 75 100
 110 34.8 17.2 51.6
 77 30.9 24.8 37.2

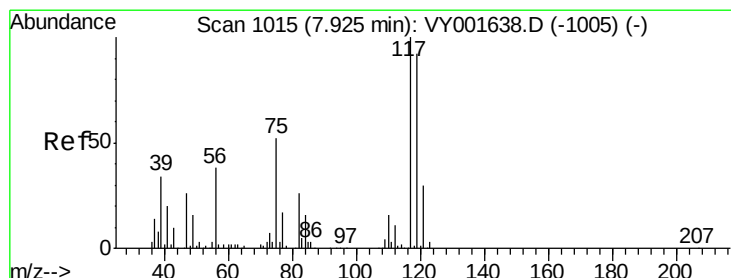
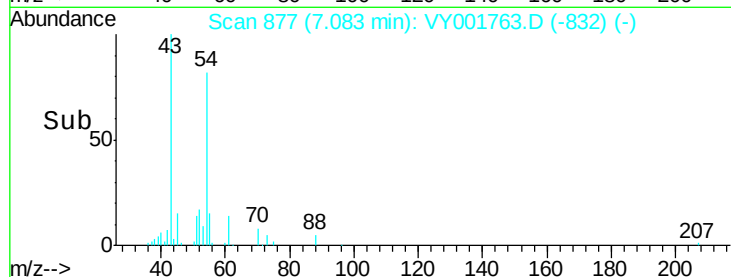
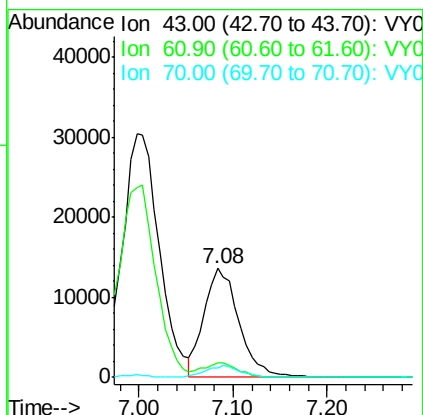
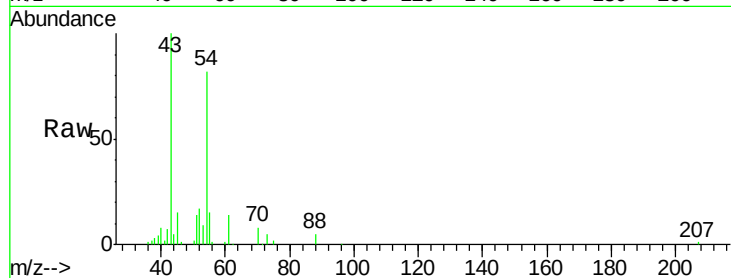




#37
Ethyl Acetate
 Concen: 17.56 ug/l
 RT: 7.08 min Scan# 877
 Delta R.T. -0.02 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

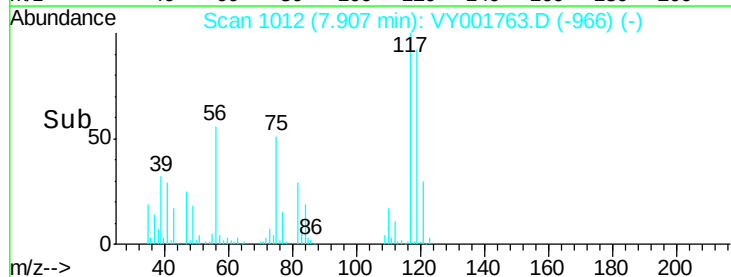
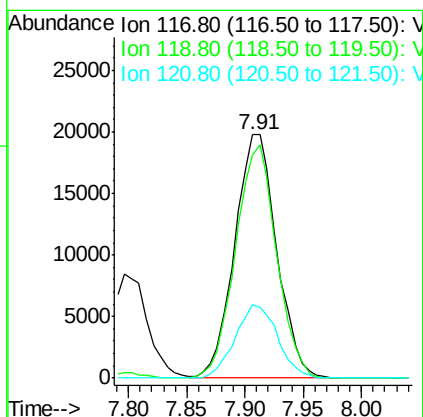
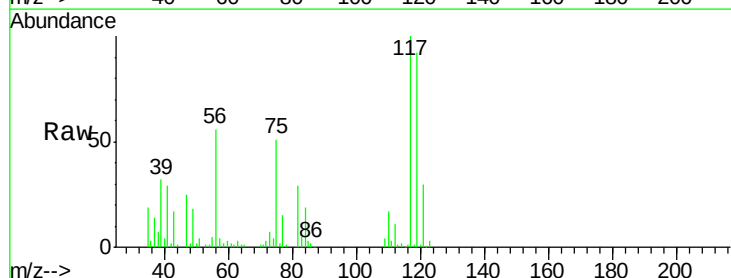
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

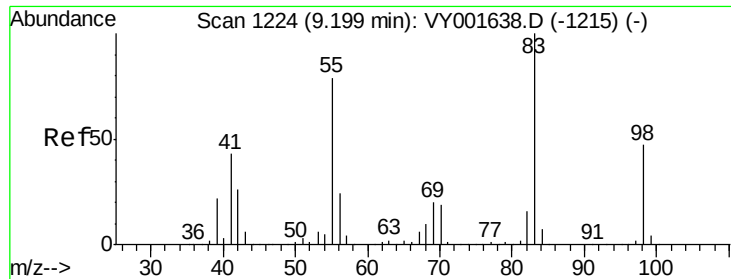
Tgt Ion: 43 Resp: 35270
 Ion Ratio Lower Upper
 43 100
 61 13.7 11.0 16.6
 70 10.4 8.8 13.2



#38
Carbon Tetrachloride
 Concen: 16.81 ug/l
 RT: 7.91 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion: 117 Resp: 49688
 Ion Ratio Lower Upper
 117 100
 119 91.7 74.8 112.2
 121 30.0 23.8 35.6

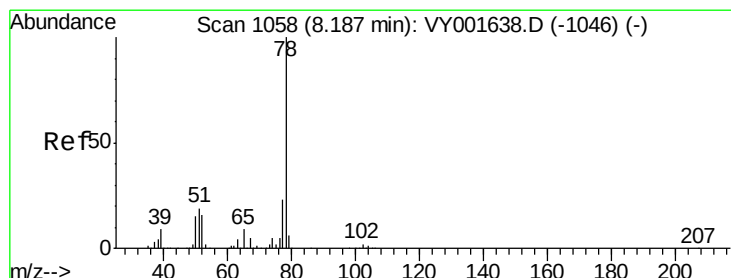
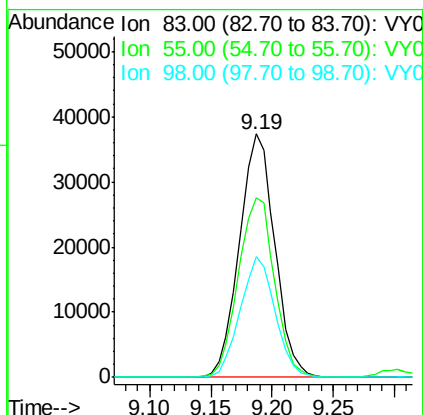
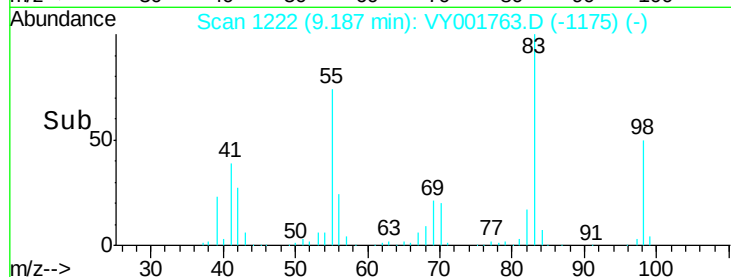
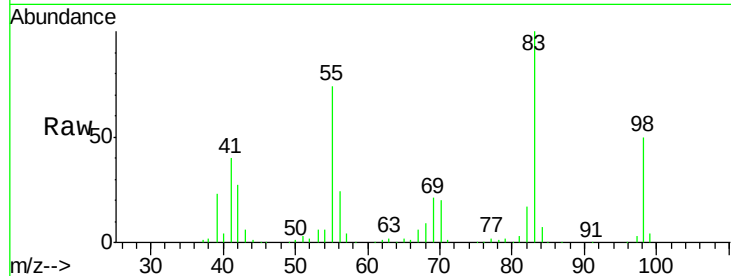




#39
Methylcyclohexane
Concen: 16.84 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

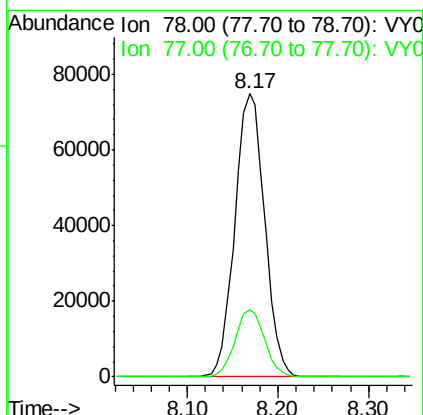
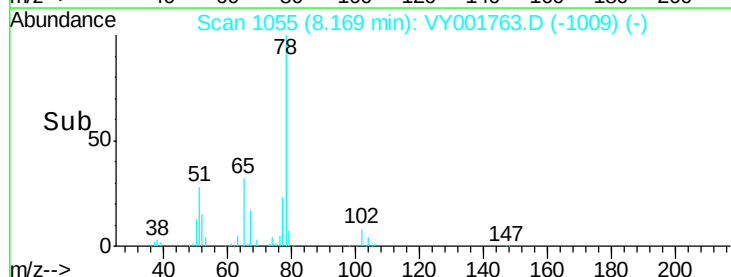
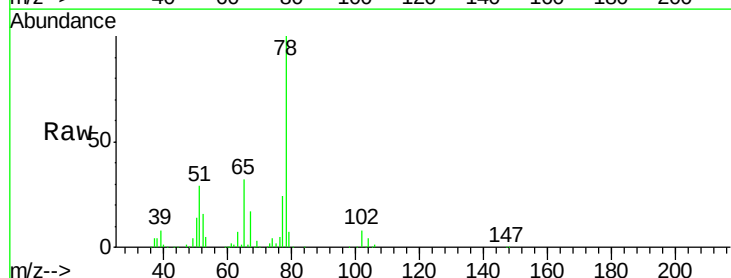
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

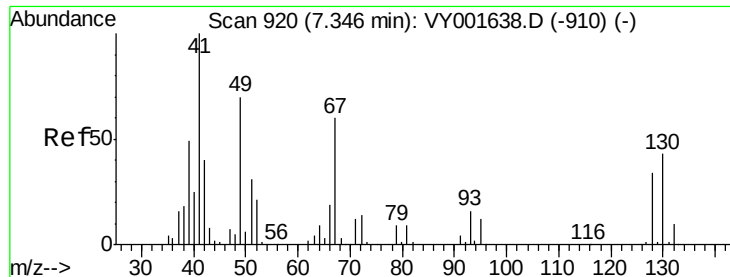
Tgt Ion: 83 Resp: 75182
Ion Ratio Lower Upper
83 100
55 73.7 61.3 91.9
98 49.8 38.0 57.0



#40
Benzene
Concen: 17.24 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 78 Resp: 170655
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.4

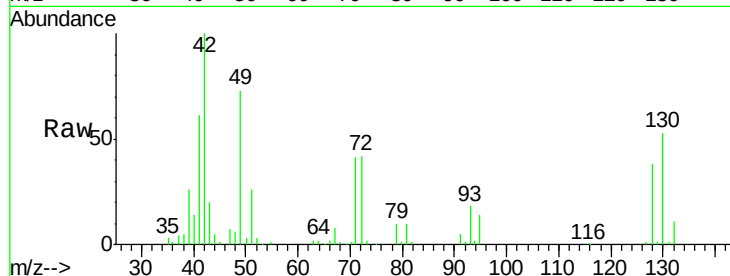




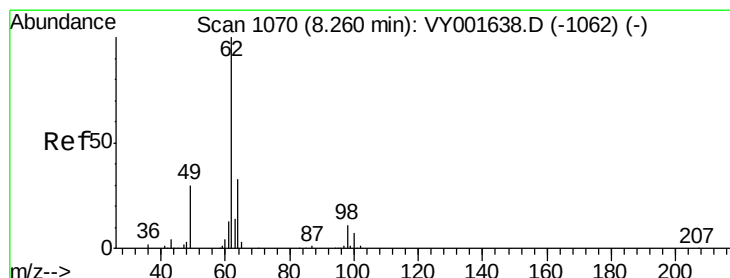
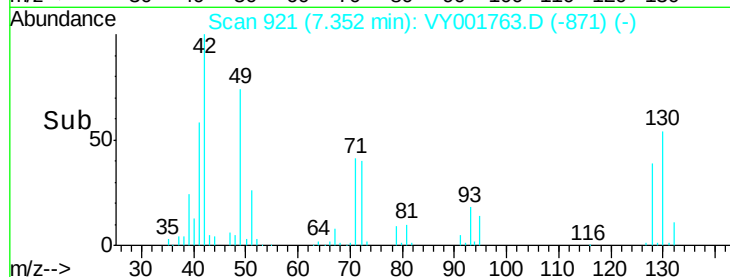
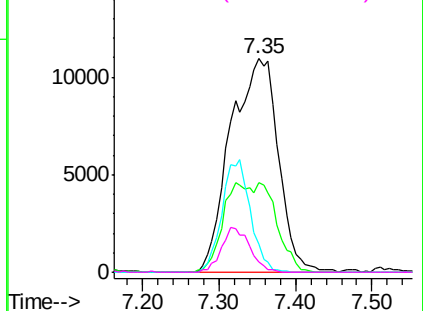
#41
Methacrylonitrile
Concen: 47.10 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tgt Ion:	41	Resp:	47503
Ion	Ratio	Lower	Upper
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

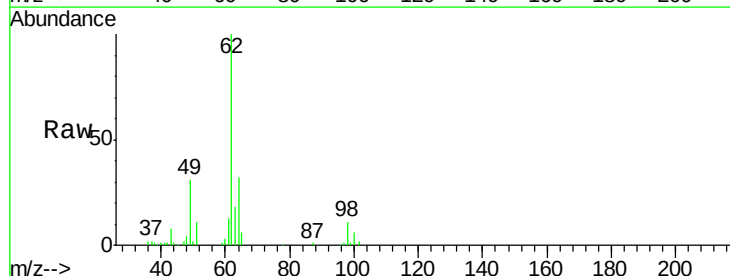


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

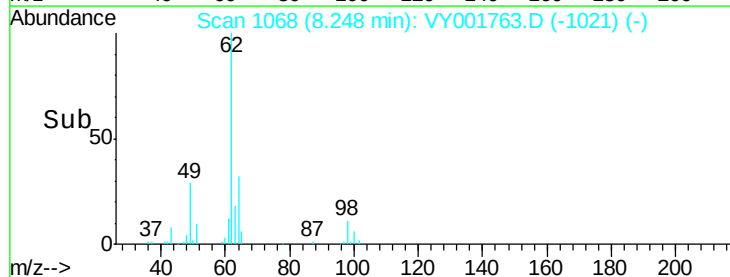
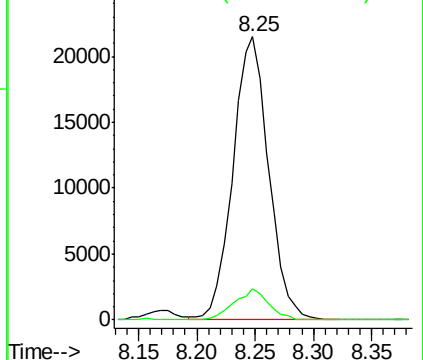


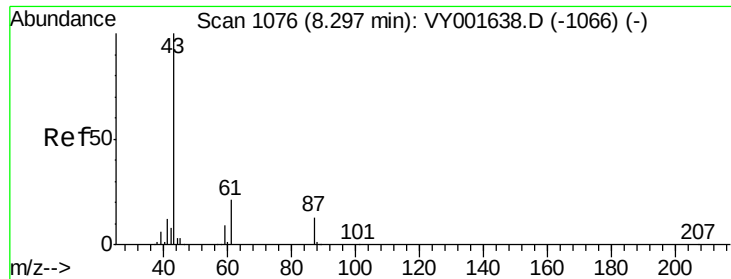
#42
1,2-Dichloroethane
Concen: 17.02 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion:	62	Resp:	45889
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.8



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

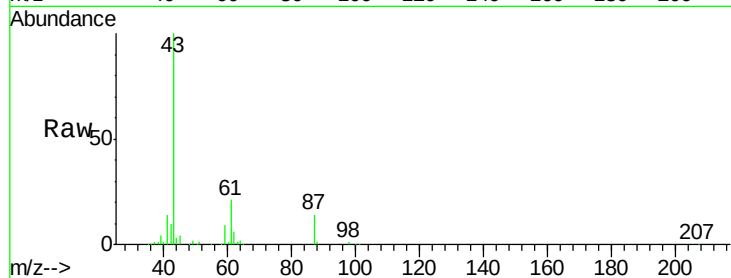




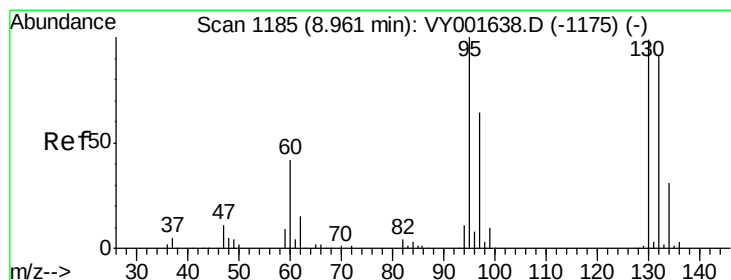
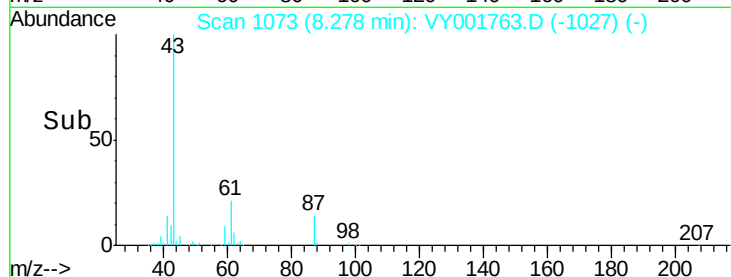
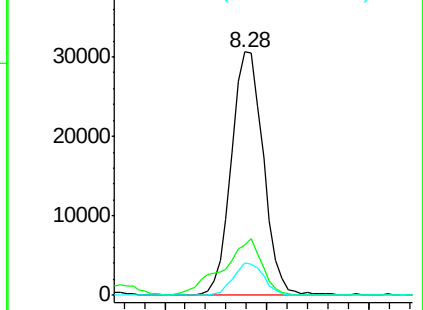
#43
Isopropyl Acetate
Concen: 17.51 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tgt Ion: 43 Resp: 66754
Ion Ratio Lower Upper
43 100
61 28.2 23.0 34.4
87 12.9 10.7 16.1

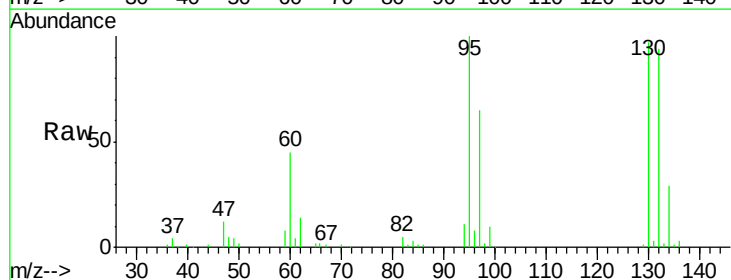


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

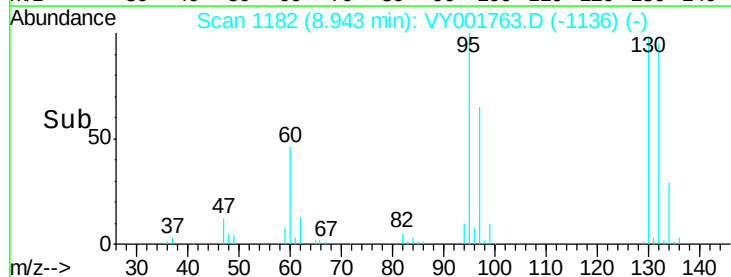
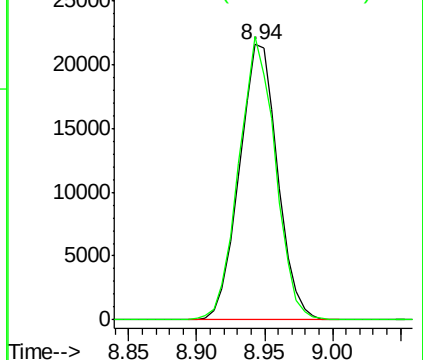


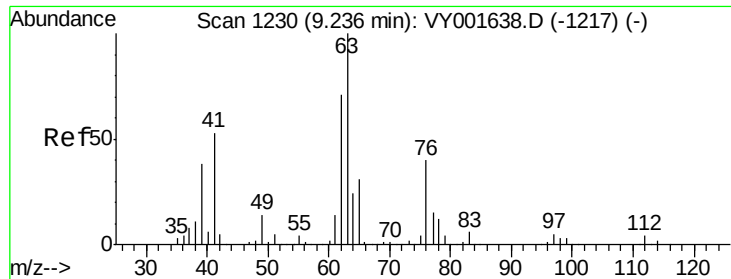
#44
Trichloroethene
Concen: 17.13 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 130 Resp: 42334
Ion Ratio Lower Upper
130 100
95 102.9 0.0 200.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0

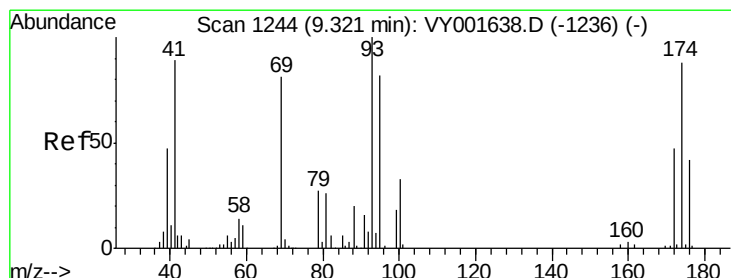
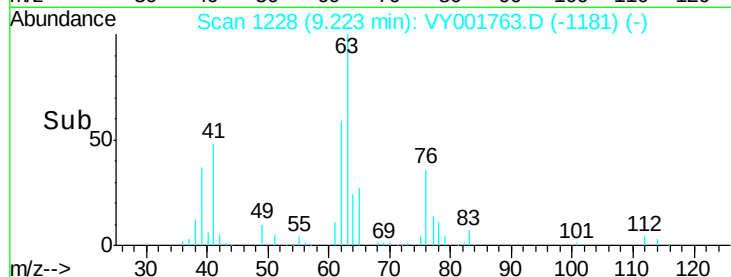
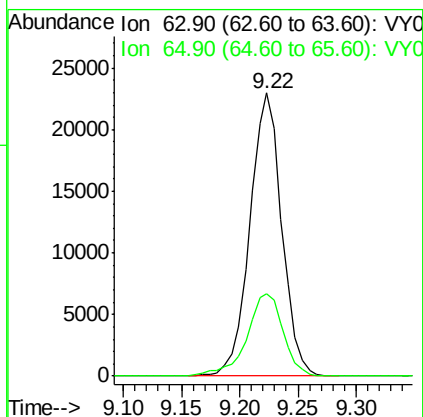
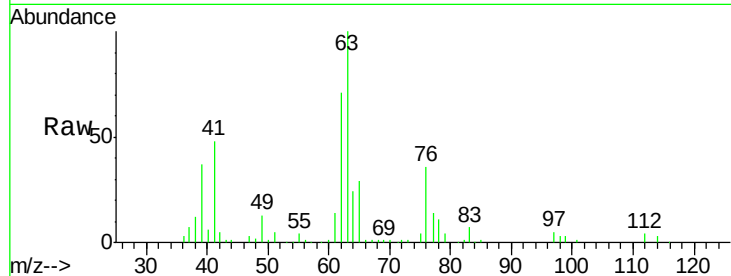




#45
 1,2-Dichloropropane
 Concen: 17.67 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

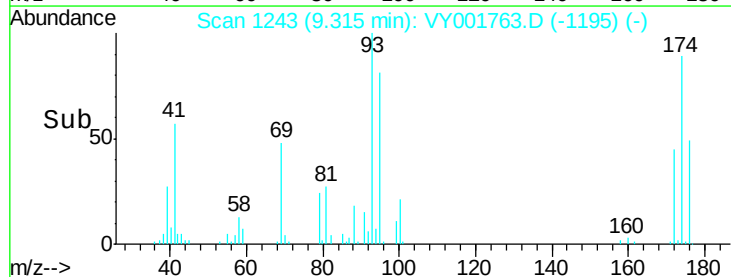
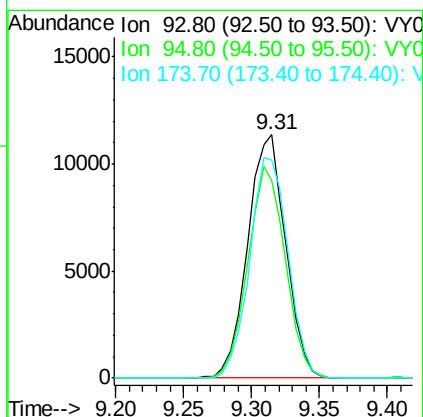
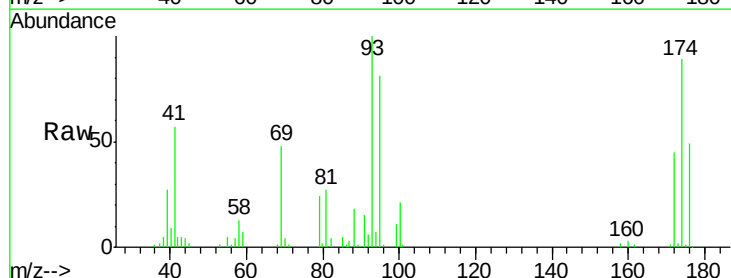
Instrument :
 MSVOA_Y
 ClientSampled :
 VY0224SBS01

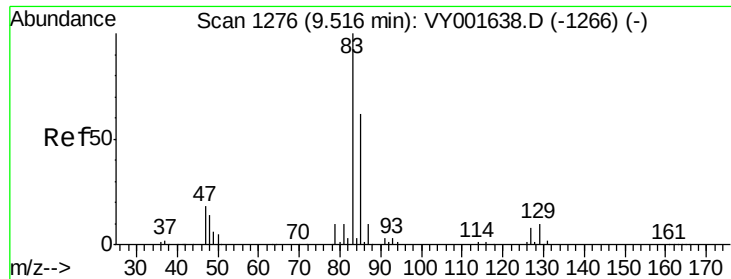
Tgt Ion: 63 Resp: 43806
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.6 37.0



#46
 Dibromomethane
 Concen: 17.15 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion: 93 Resp: 22239
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.1 99.1
 174 91.4 72.5 108.7





#47

Bromodichloromethane

Concen: 16.83 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

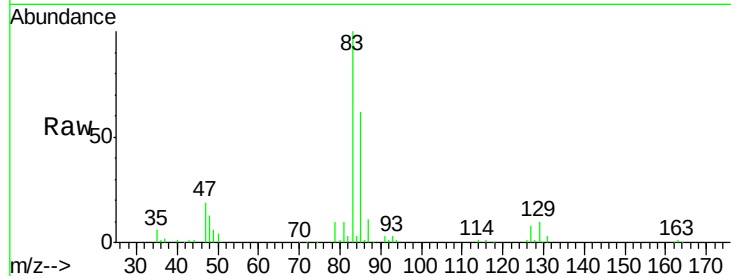
Tgt Ion: 83 Resp: 52669

Ion Ratio Lower Upper

83 100

85 62.4 51.4 77.0

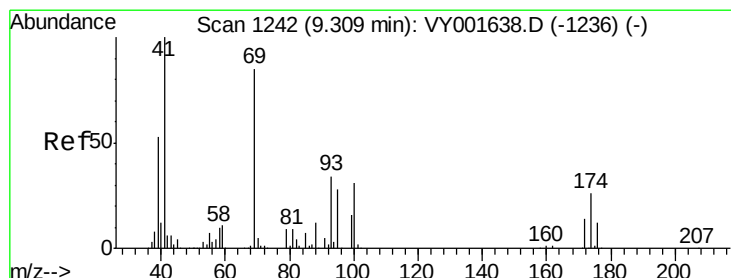
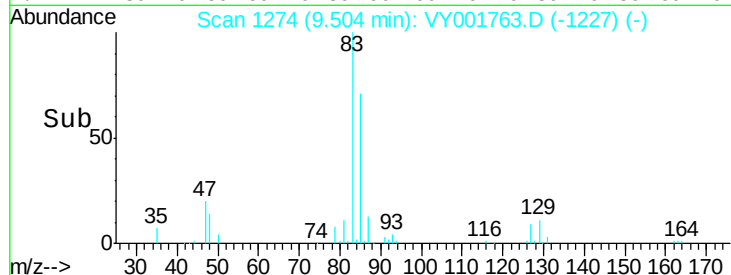
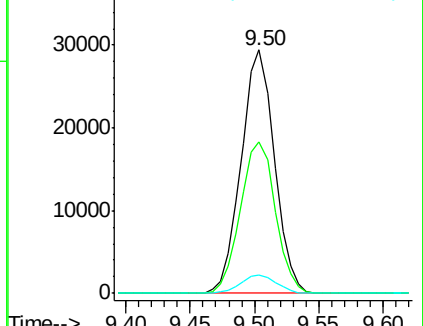
127 7.7 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 17.43 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

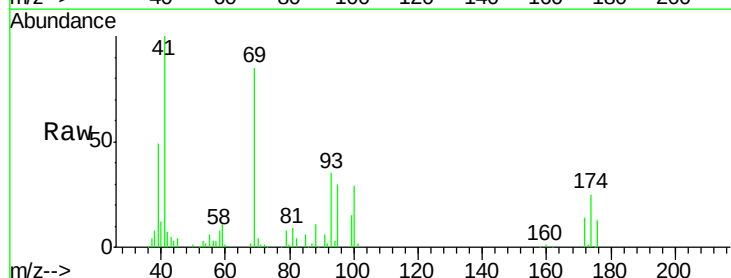
Tgt Ion: 41 Resp: 30038

Ion Ratio Lower Upper

41 100

69 88.8 70.7 106.1

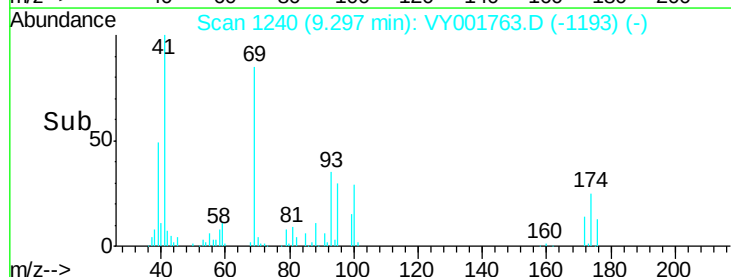
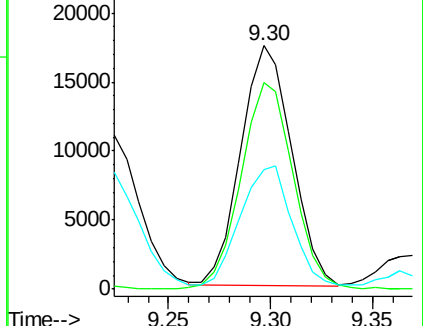
39 53.8 42.2 63.2

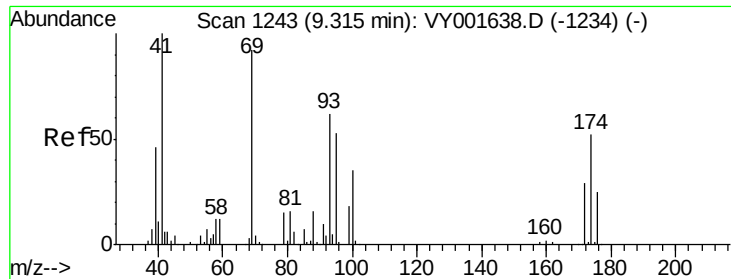


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

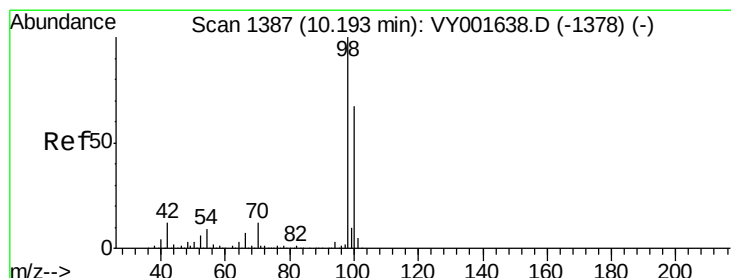
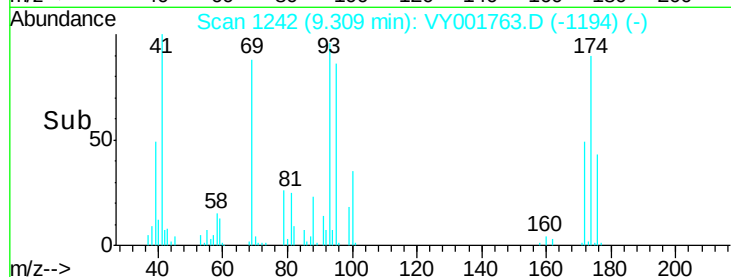
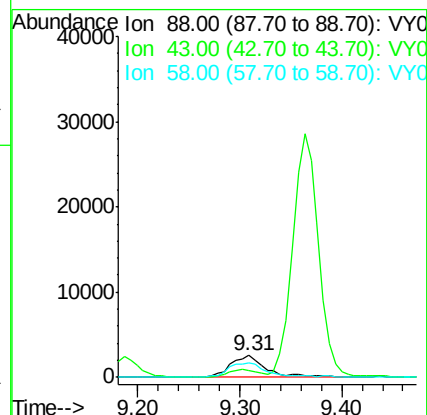
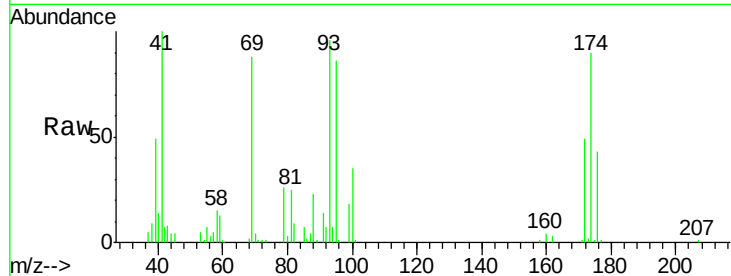




#49
1,4-Dioxane
Concen: 339.86 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

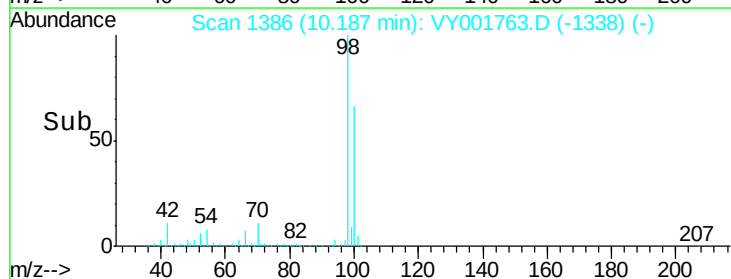
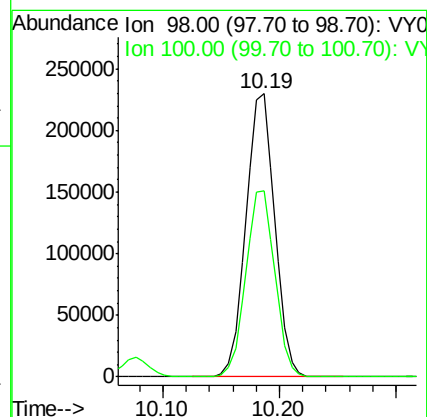
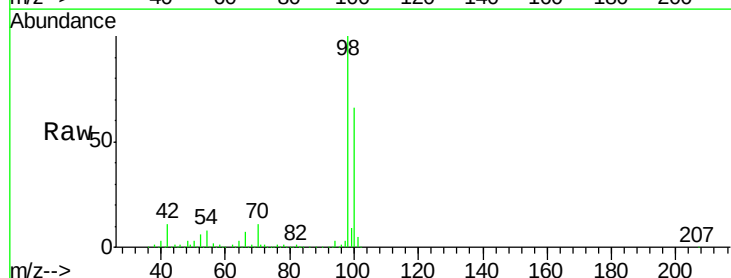
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

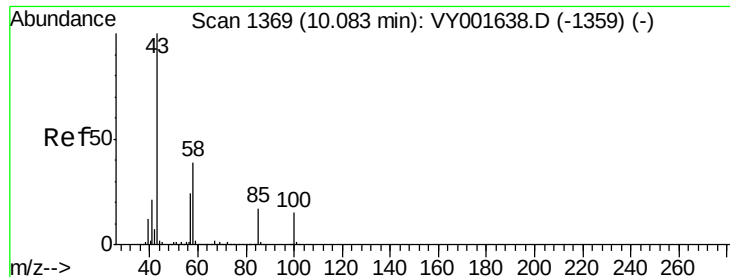
Tgt Ion: 88 Resp: 6224
Ion Ratio Lower Upper
88 100
43 31.0 23.1 34.7
58 75.6 58.1 87.1



#50
Toluene-d8
Concen: 50.31 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 98 Resp: 397806
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 87.86 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

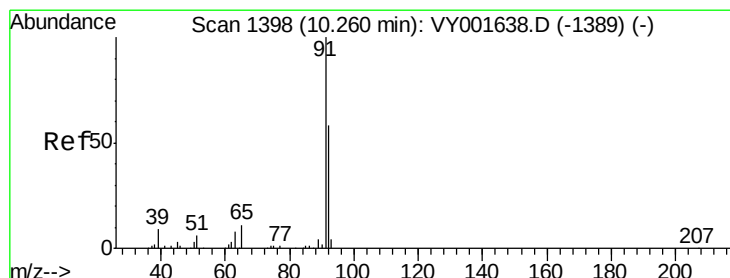
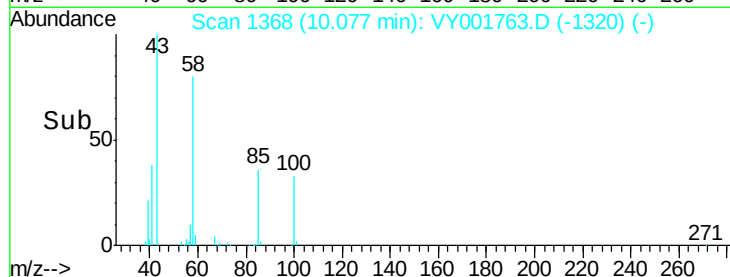
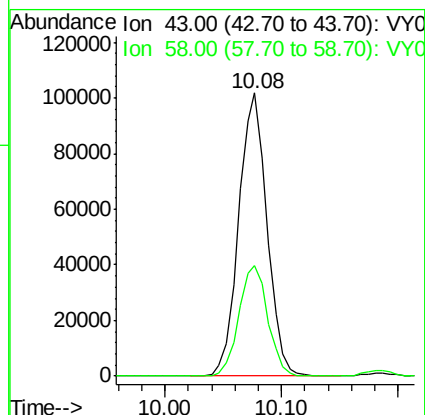
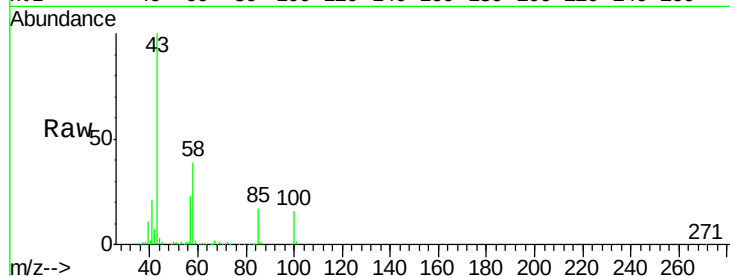
VY0224SBS01

Tgt Ion: 43 Resp: 172052

Ion Ratio Lower Upper

43 100

58 39.8 32.2 48.4



#52

Toluene

Concen: 17.04 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001763.D

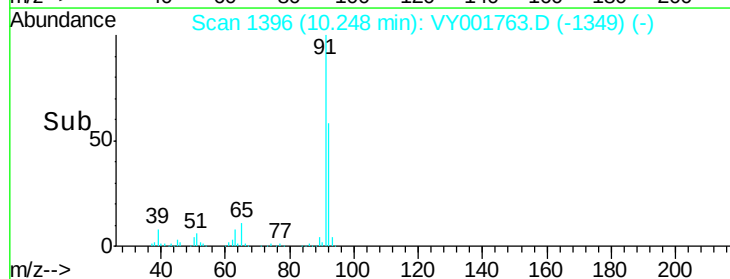
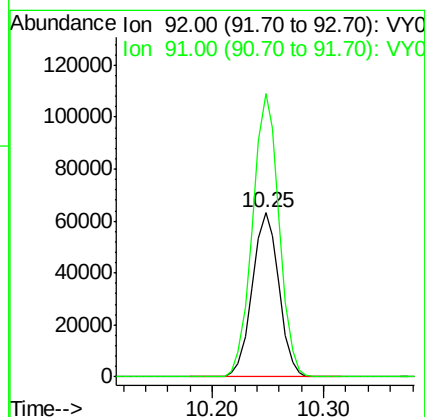
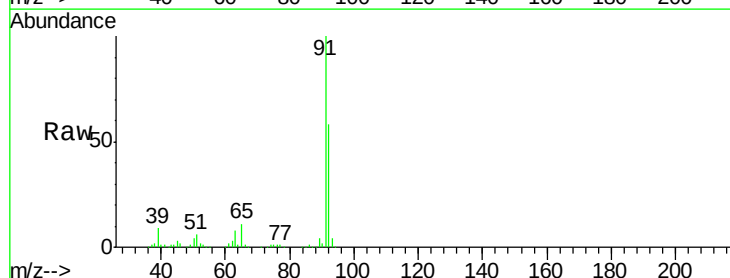
Acq: 24 Feb 2020 11:27

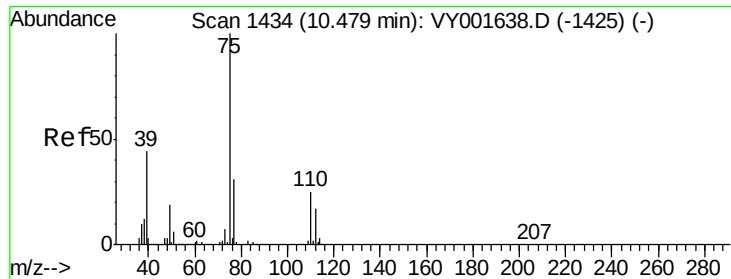
Tgt Ion: 92 Resp: 105242

Ion Ratio Lower Upper

92 100

91 171.9 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 16.89 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

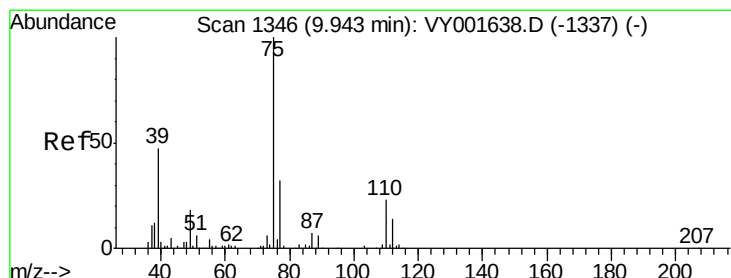
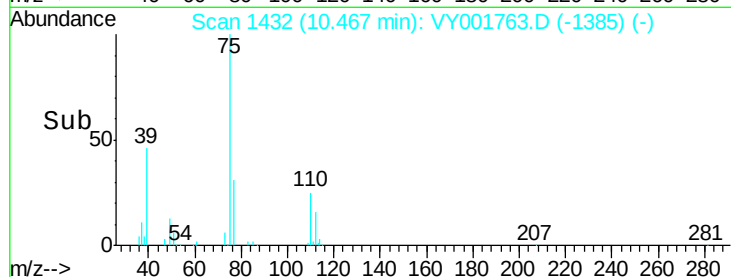
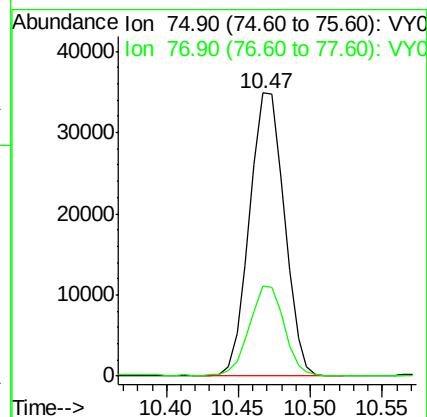
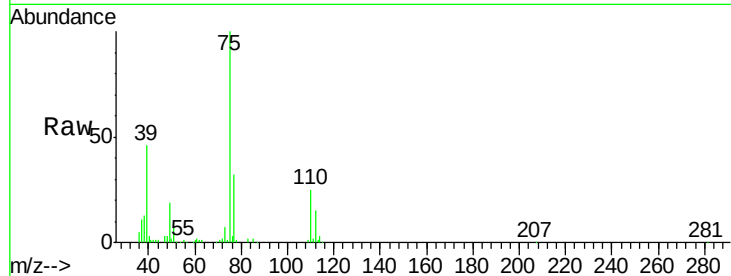
VY0224SBS01

Tgt Ion: 75 Resp: 58439

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 16.96 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

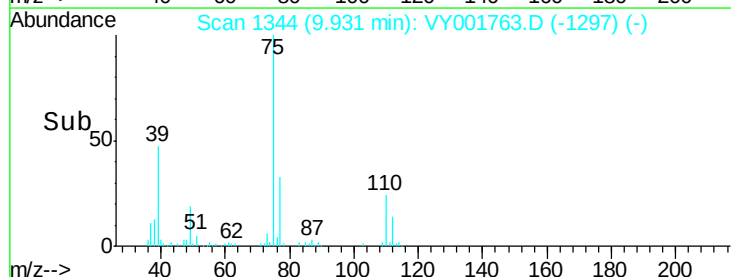
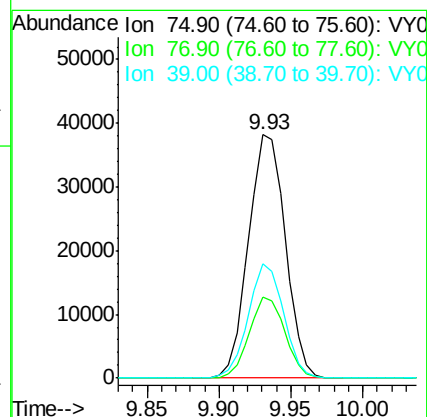
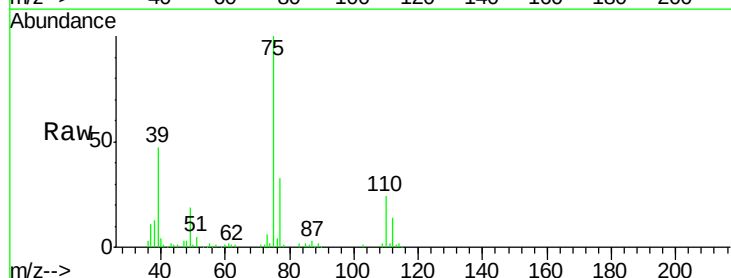
Tgt Ion: 75 Resp: 67540

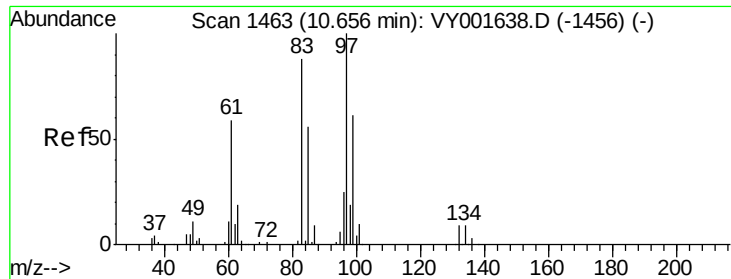
Ion Ratio Lower Upper

75 100

77 33.4 25.7 38.5

39 47.2 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 17.58 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tgt Ion: 97 Resp: 33605

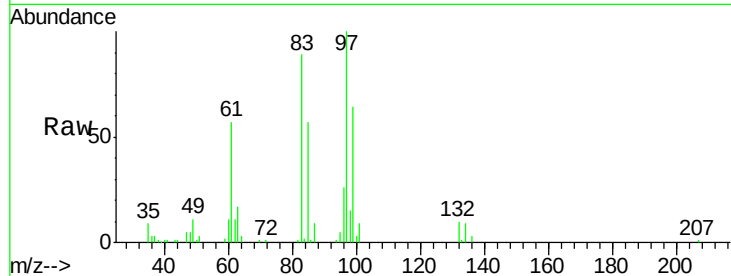
Ion Ratio Lower Upper

97 100

83 88.6 69.7 104.5

85 57.4 44.5 66.7

99 64.3 49.6 74.4

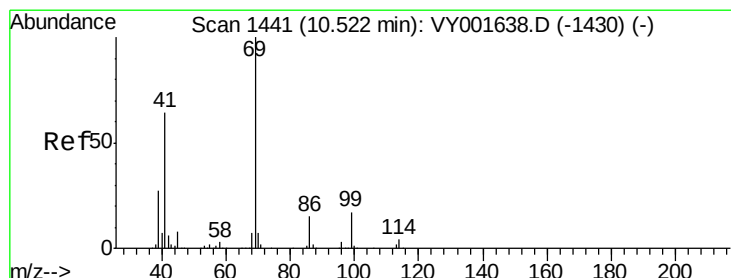
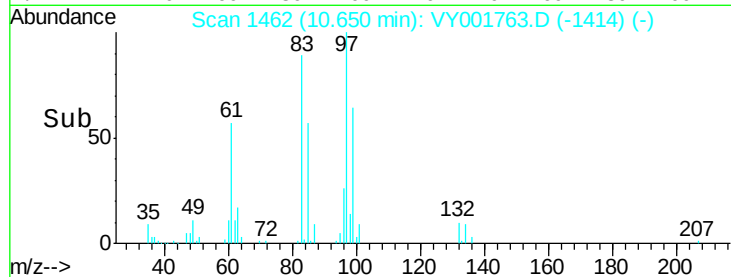
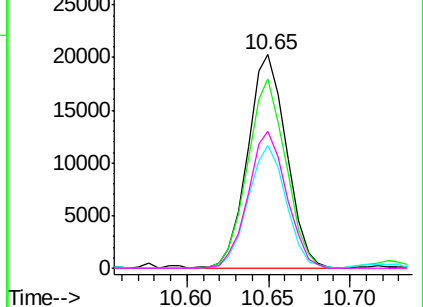


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 17.26 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

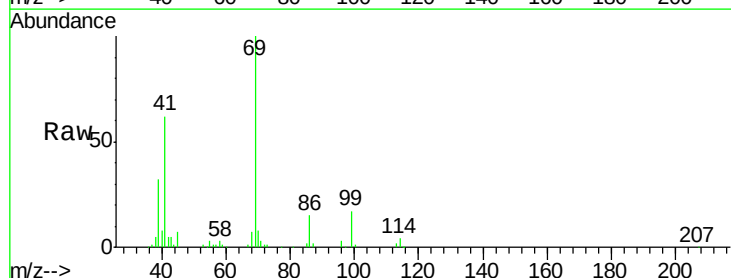
Tgt Ion: 69 Resp: 49503

Ion Ratio Lower Upper

69 100

41 64.0 51.0 76.4

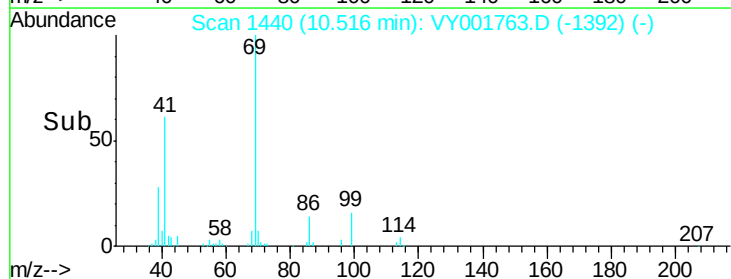
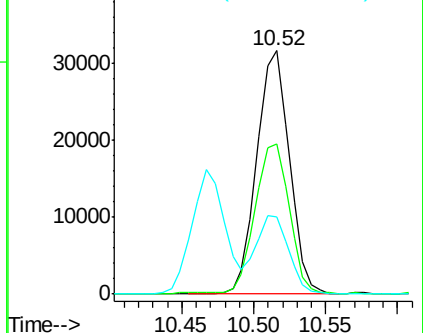
39 32.9 24.7 37.1

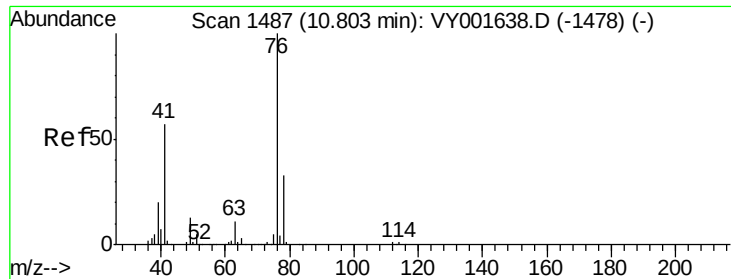


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

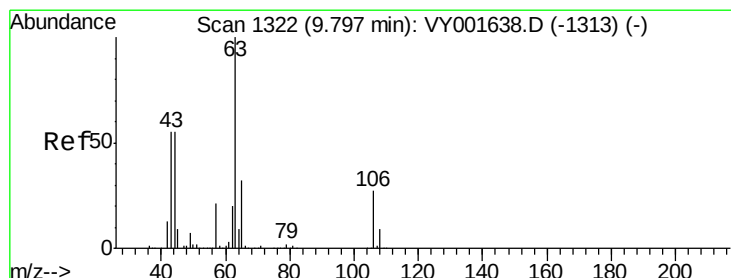
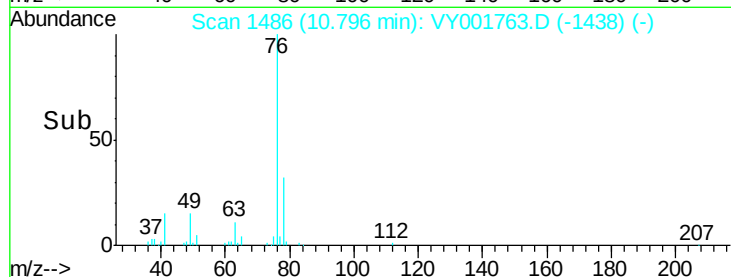
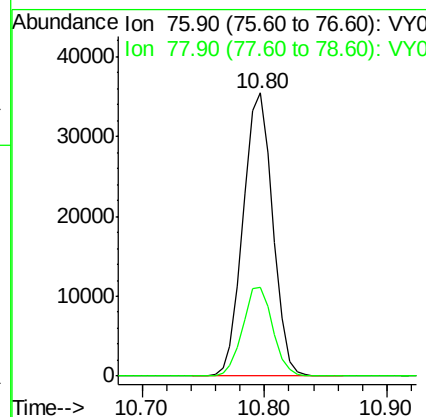
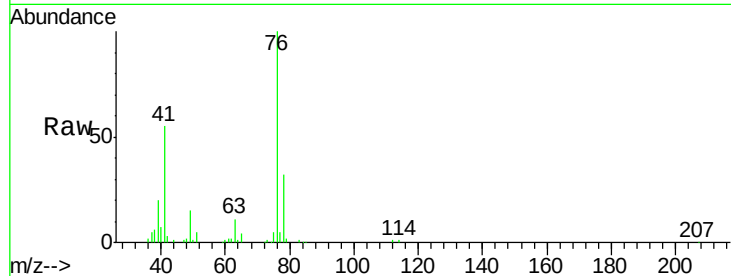




#57
 1,3-Dichloropropane
 Concen: 17.50 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

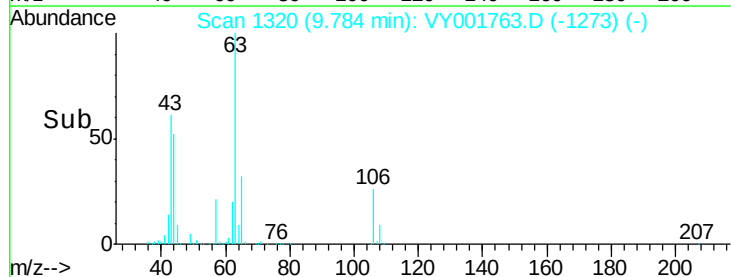
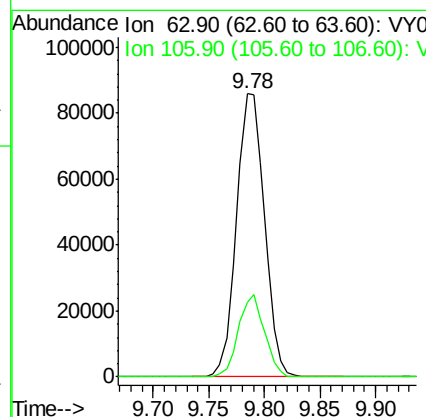
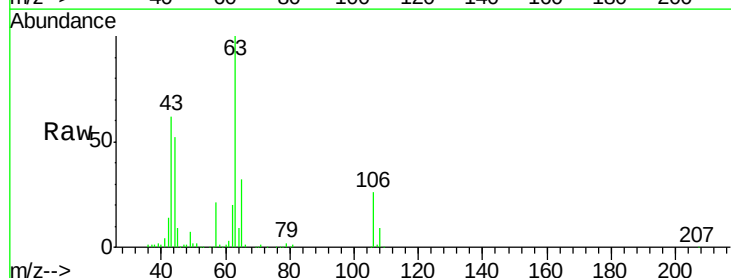
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

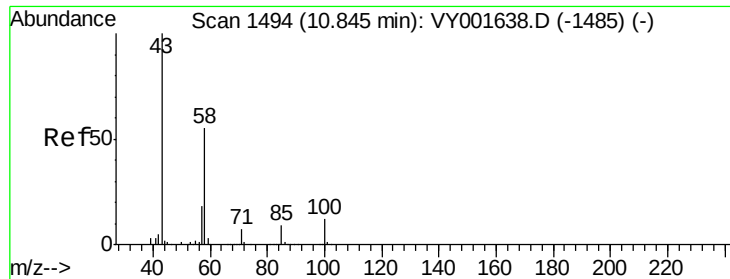
Tgt Ion: 76 Resp: 59442
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 129.27 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion: 63 Resp: 149399
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.6 32.4





#59

2-Hexanone

Concen: 83.17 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

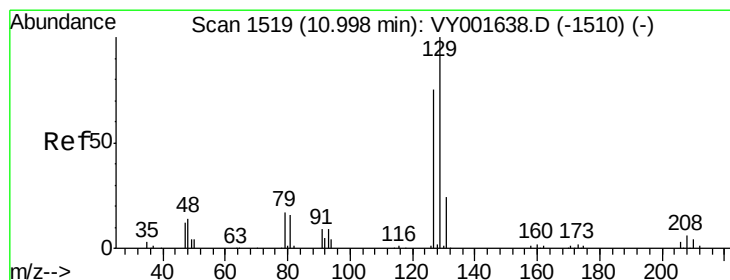
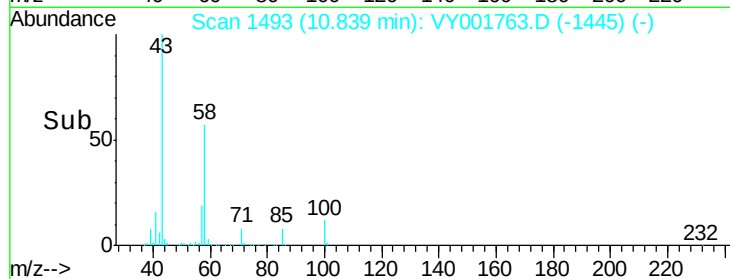
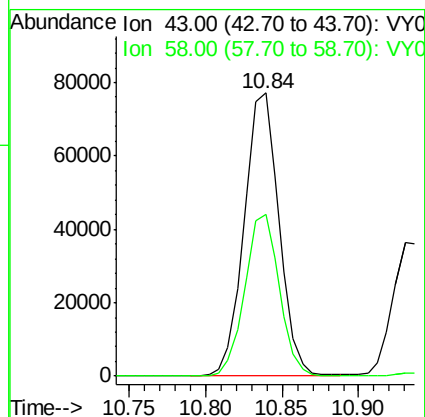
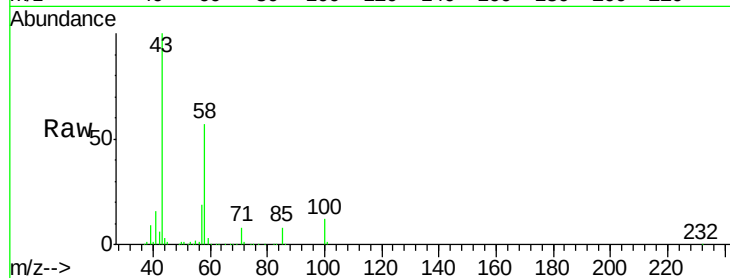
VY0224SBS01

Tgt Ion: 43 Resp: 122200

Ion Ratio Lower Upper

43 100

58 56.6 28.4 85.2



#60

Dibromochloromethane

Concen: 16.70 ug/l

RT: 10.99 min Scan# 1517

Delta R.T. -0.01 min

Lab File: VY001763.D

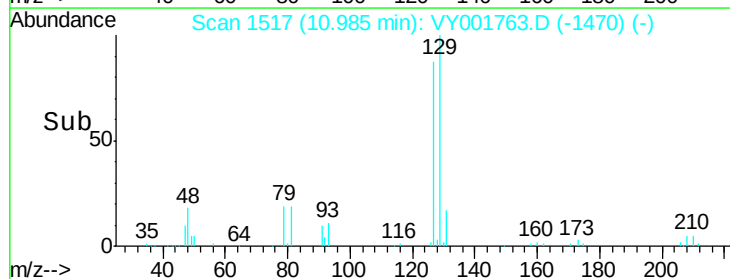
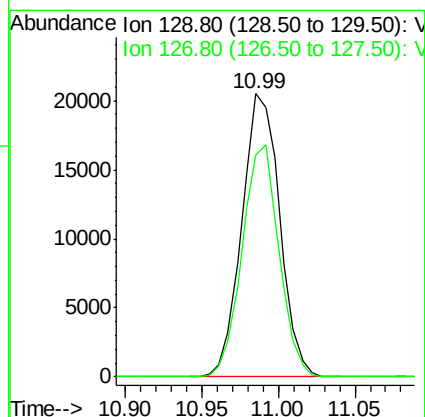
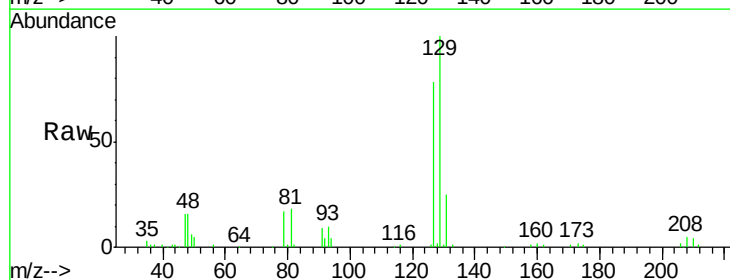
Acq: 24 Feb 2020 11:27

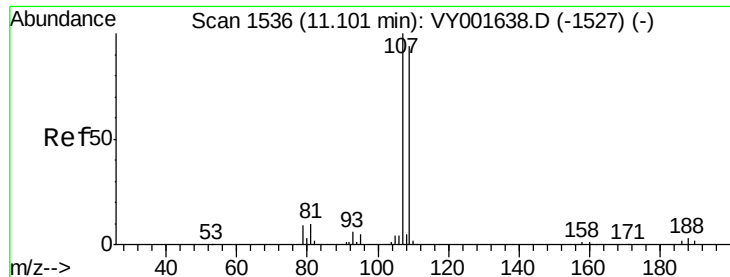
Tgt Ion: 129 Resp: 35204

Ion Ratio Lower Upper

129 100

127 79.9 38.9 116.6

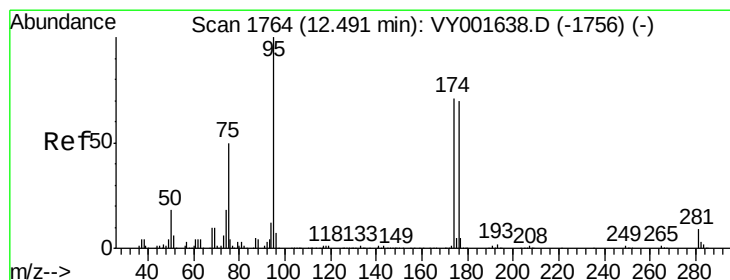
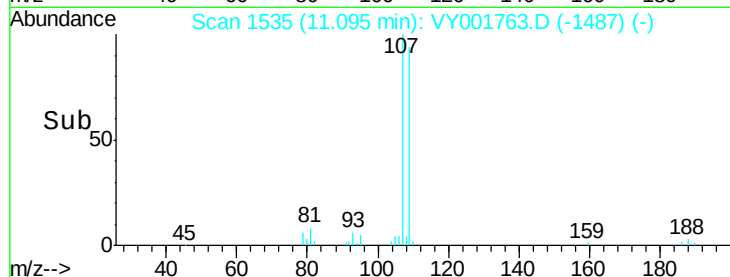
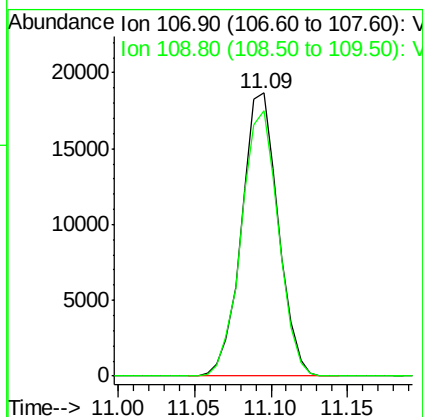
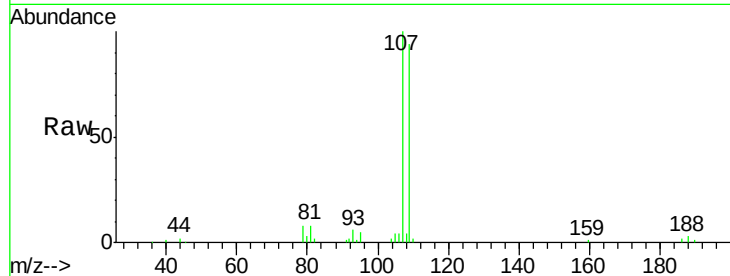




#61
 1,2-Dibromoethane
 Concen: 17.16 ug/l
 RT: 11.09 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

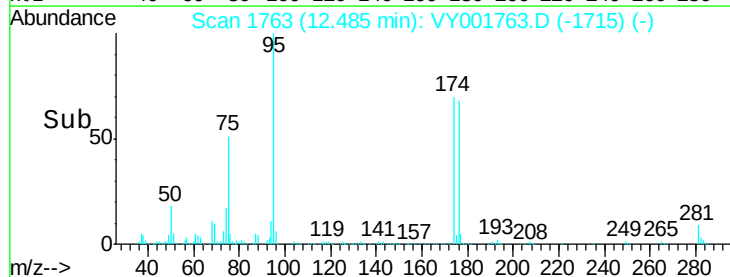
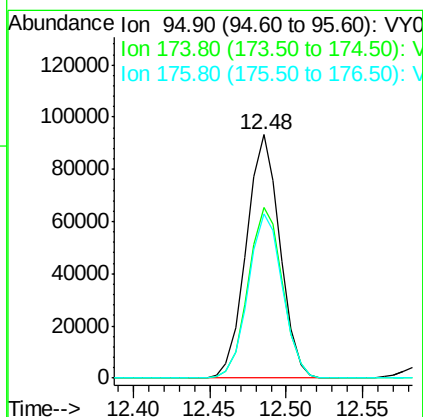
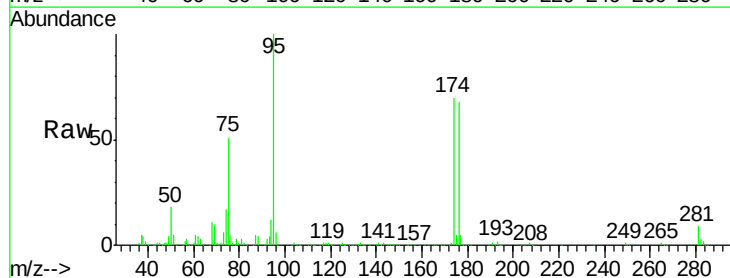
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

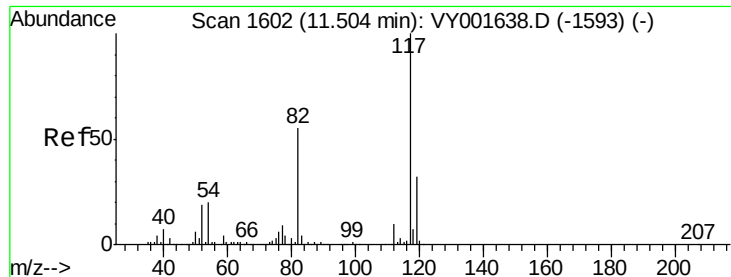
Tgt Ion: 107 Resp: 31028
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 46.33 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion: 95 Resp: 142303
 Ion Ratio Lower Upper
 95 100
 174 71.4 0.0 138.4
 176 68.9 0.0 131.8

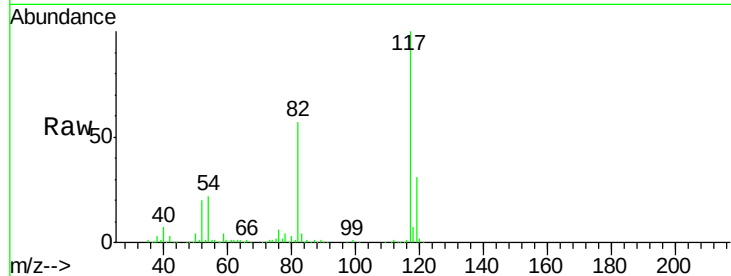




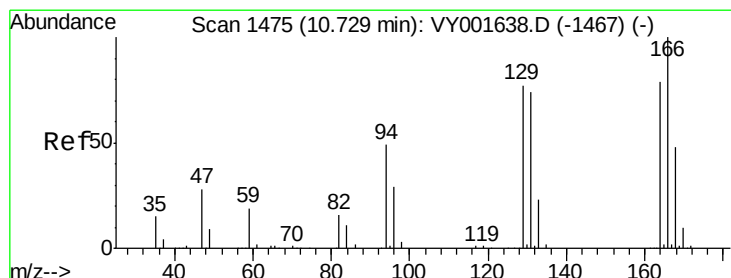
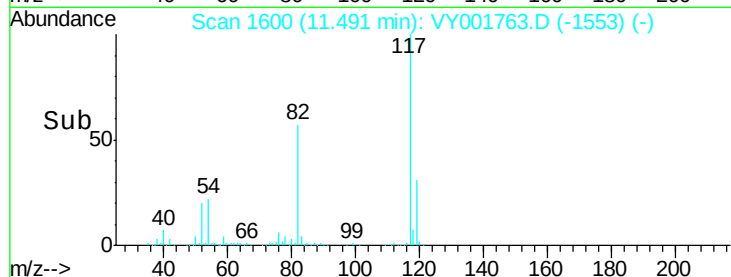
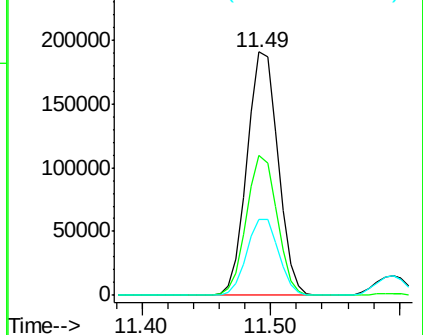
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tgt Ion:117 Resp: 315854
Ion Ratio Lower Upper
117 100
82 57.5 45.5 68.3
119 31.1 25.8 38.6

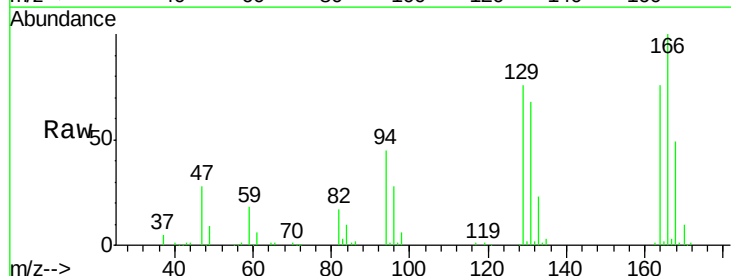


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

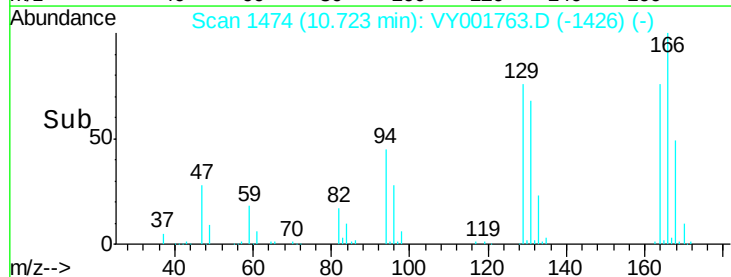
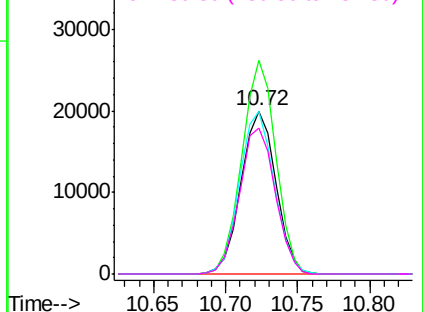


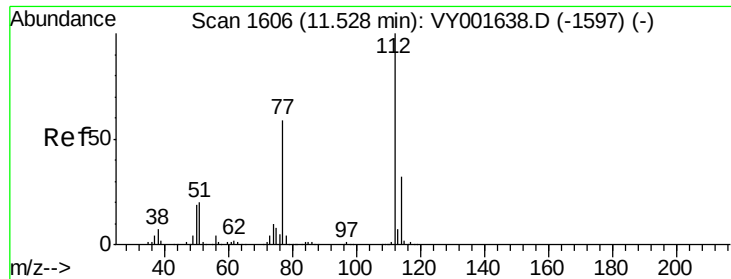
#64
Tetrachloroethene
Concen: 16.89 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion:164 Resp: 33482
Ion Ratio Lower Upper
164 100
166 131.3 101.4 152.0
129 100.1 78.7 118.1
131 89.5 76.0 114.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

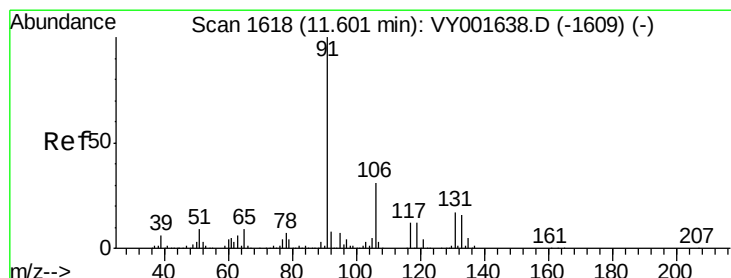
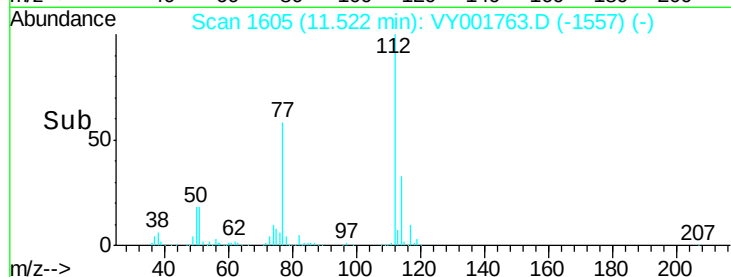
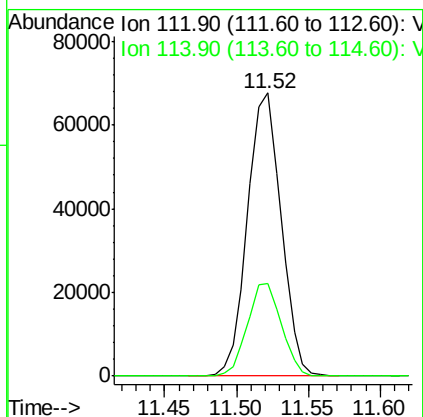
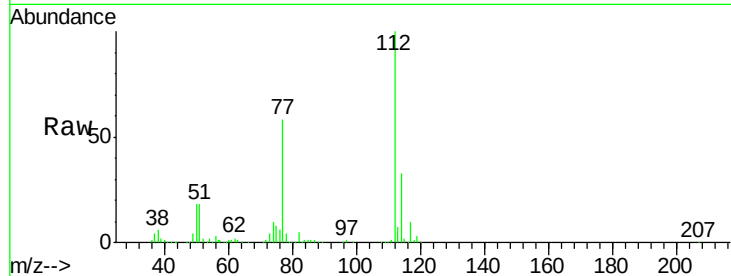




#65
Chlorobenzene
Concen: 17.32 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

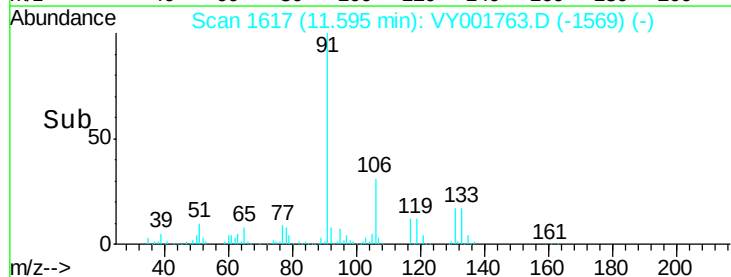
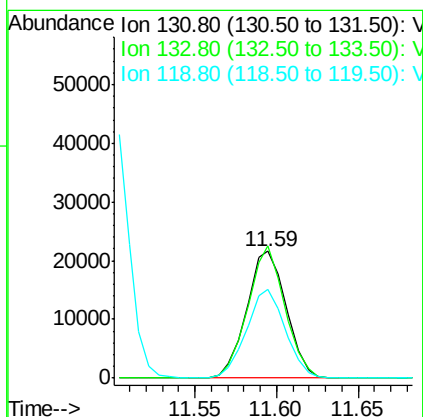
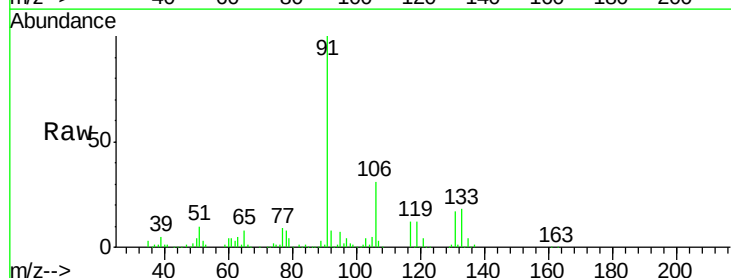
Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

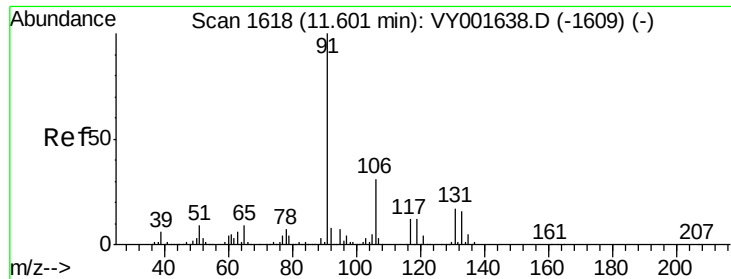
Tgt Ion:112 Resp: 109223
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 17.11 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion:131 Resp: 36391
Ion Ratio Lower Upper
131 100
133 97.8 47.4 142.2
119 68.7 34.4 103.1





#67

Ethyl Benzene

Concen: 17.31 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

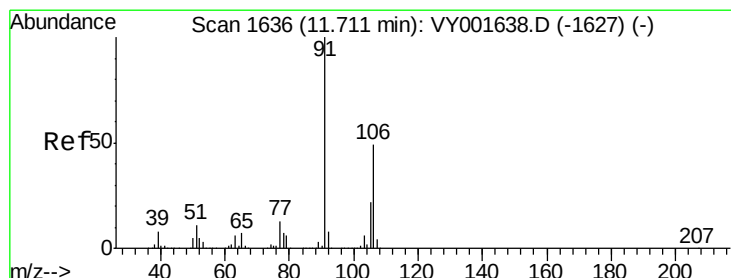
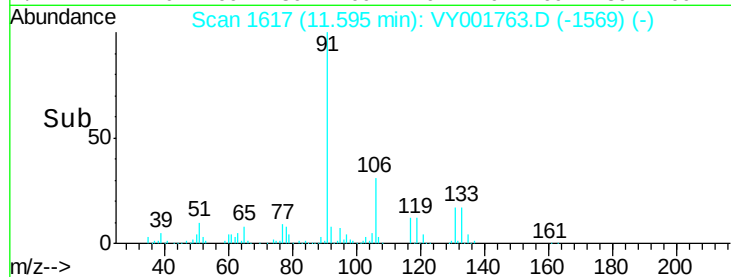
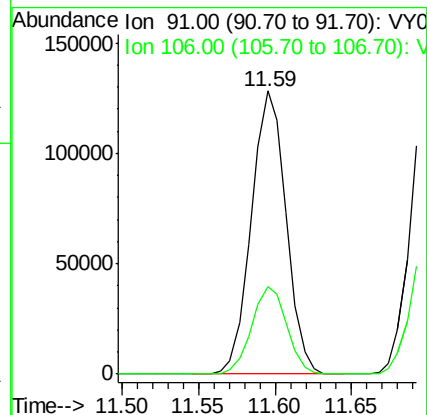
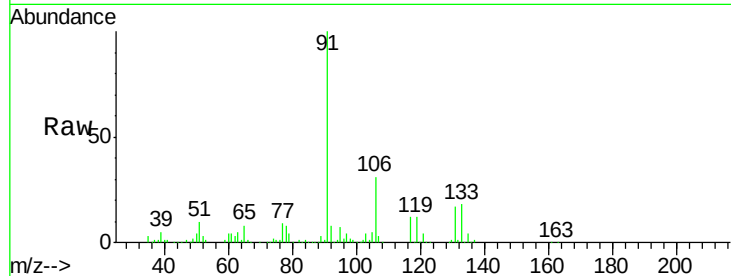
VY0224SBS01

Tgt Ion: 91 Resp: 202538

Ion Ratio Lower Upper

91 100

106 31.1 24.5 36.7



#68

m/p-Xylenes

Concen: 34.19 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001763.D

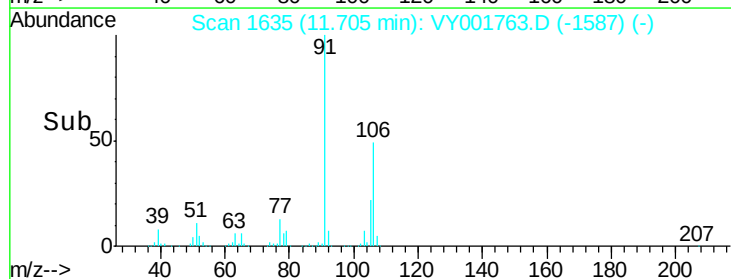
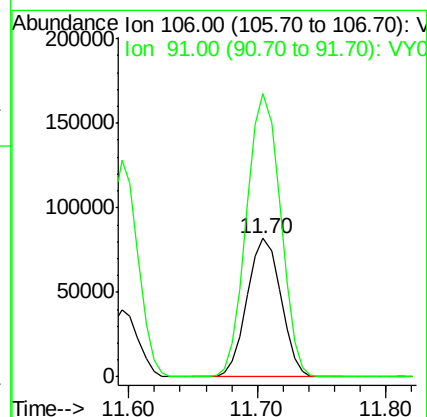
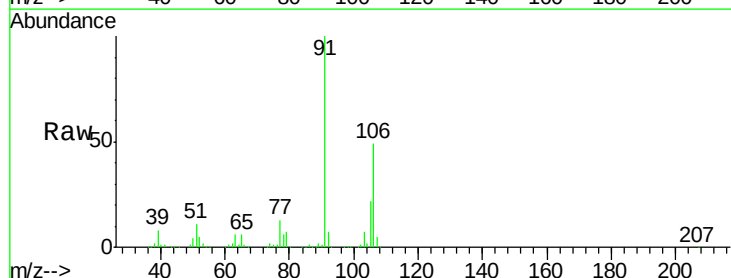
Acq: 24 Feb 2020 11:27

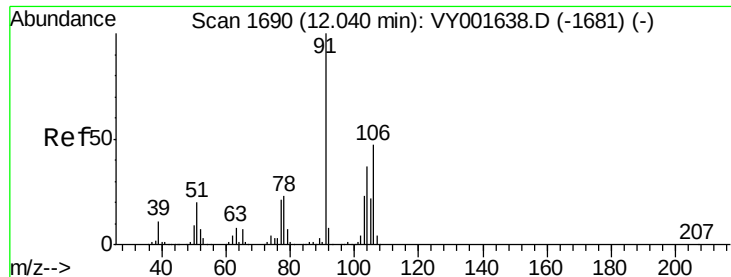
Tgt Ion: 106 Resp: 149470

Ion Ratio Lower Upper

106 100

91 204.9 163.3 244.9

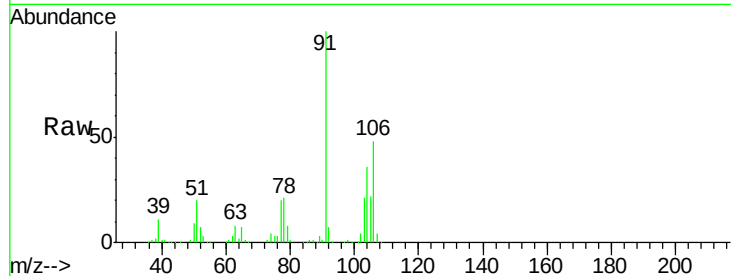




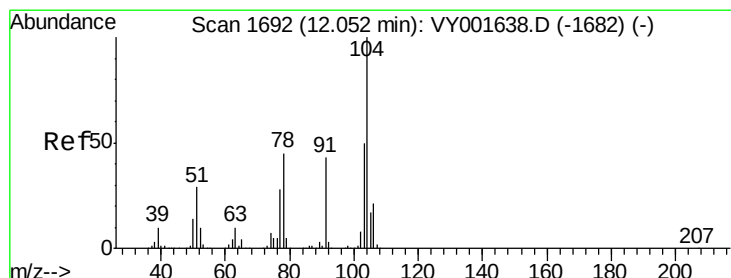
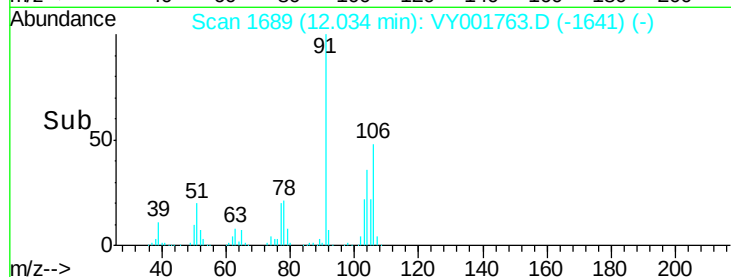
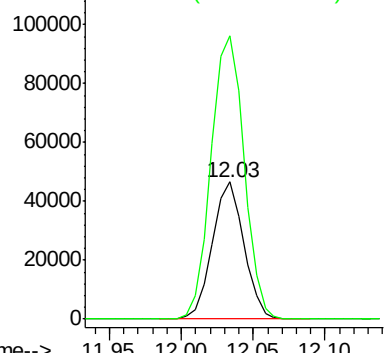
#69
o-Xylene
Concen: 17.01 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tgt Ion:106 Resp: 70692
Ion Ratio Lower Upper
106 100
91 215.8 108.3 324.9

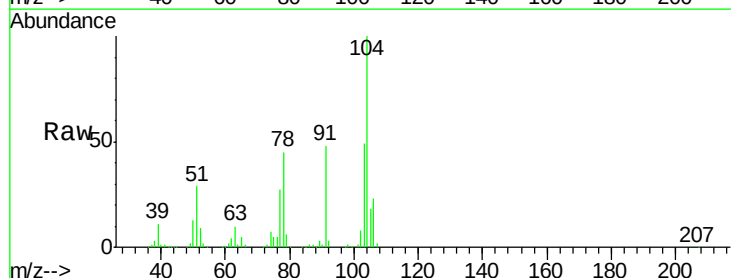


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

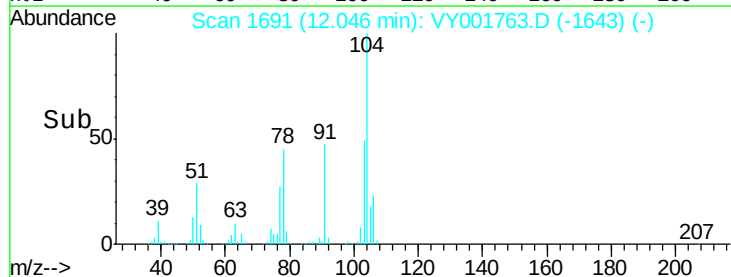
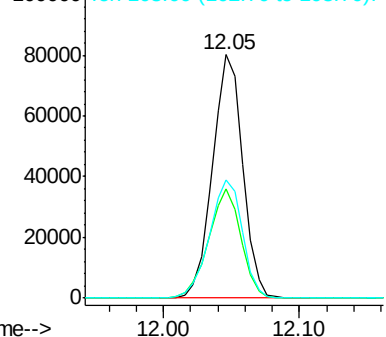


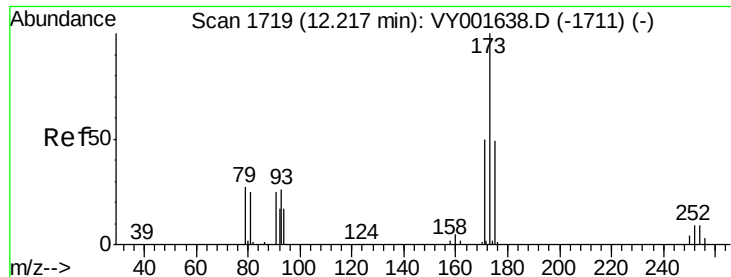
#70
Styrene
Concen: 17.22 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion:104 Resp: 124397
Ion Ratio Lower Upper
104 100
78 48.0 39.2 58.8
103 53.1 43.0 64.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.32 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

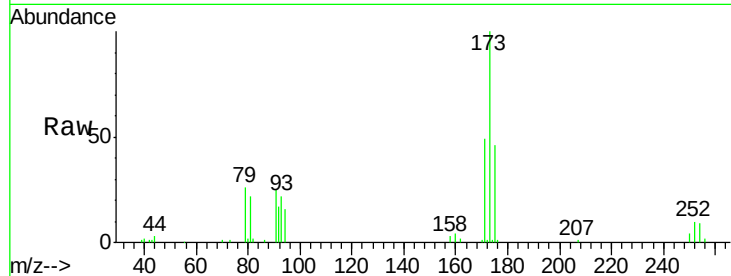
Tgt Ion:173 Resp: 19836

Ion Ratio Lower Upper

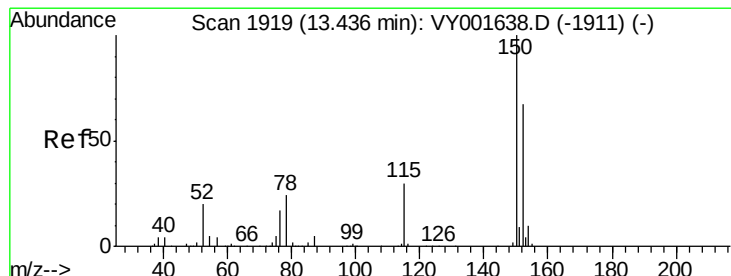
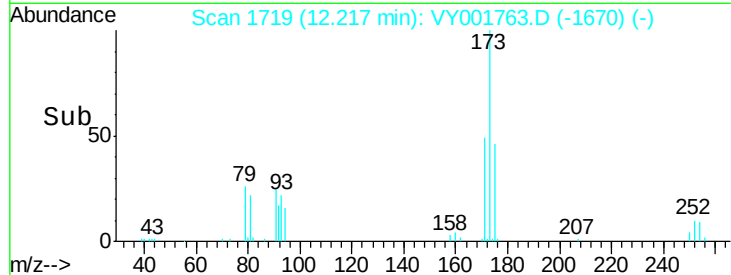
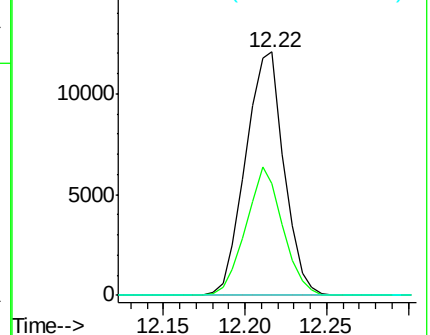
173 100

175 50.5 24.3 73.0

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

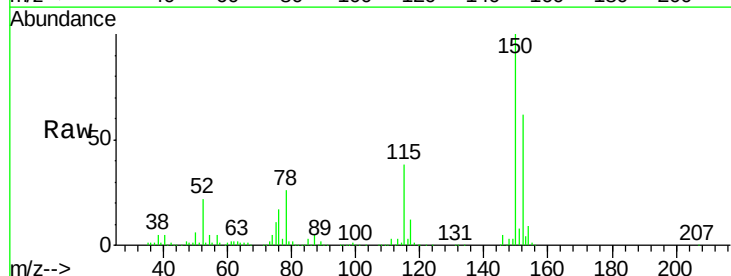
Tgt Ion:152 Resp: 146383

Ion Ratio Lower Upper

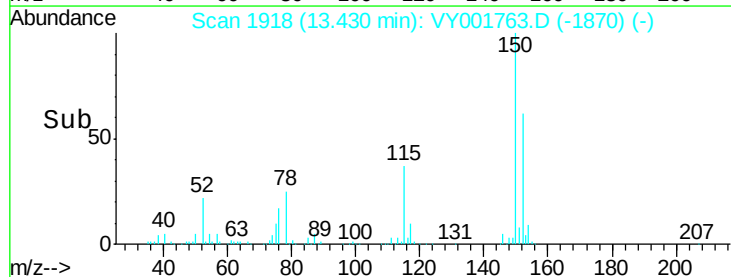
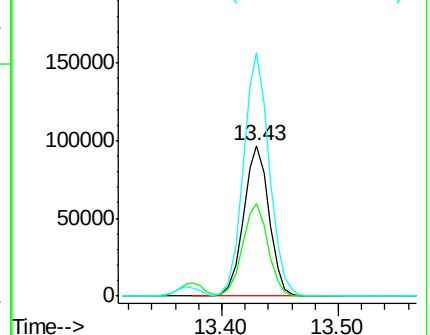
152 100

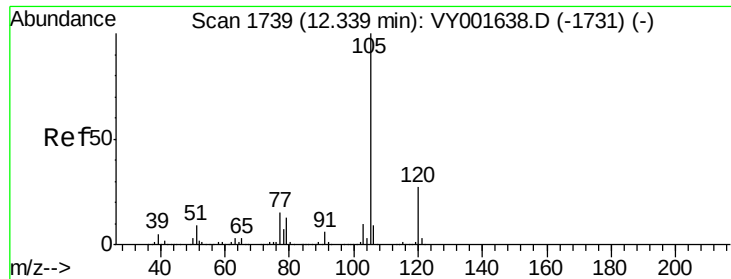
115 61.5 31.4 94.2

150 165.5 0.0 407.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.18 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

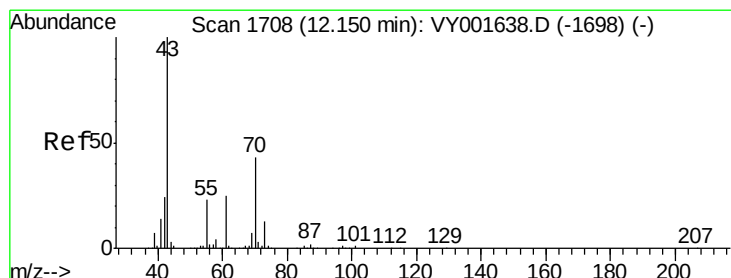
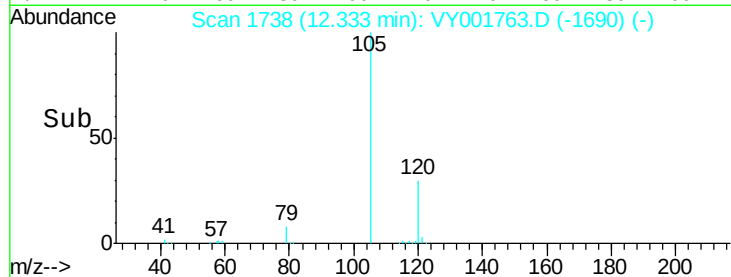
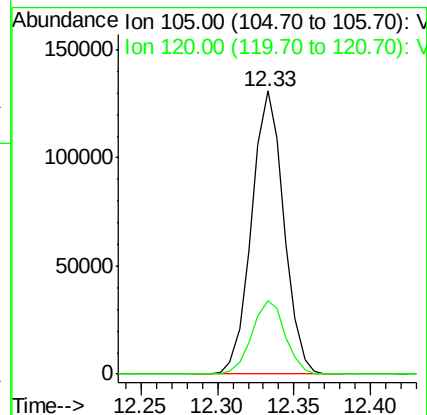
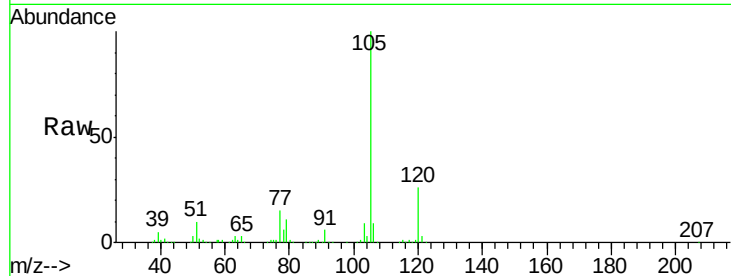
VY0224SBS01

Tgt Ion:105 Resp: 191539

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



#74

N-ethyl acetate

Concen: 17.12 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Tgt Ion: 43 Resp: 60936

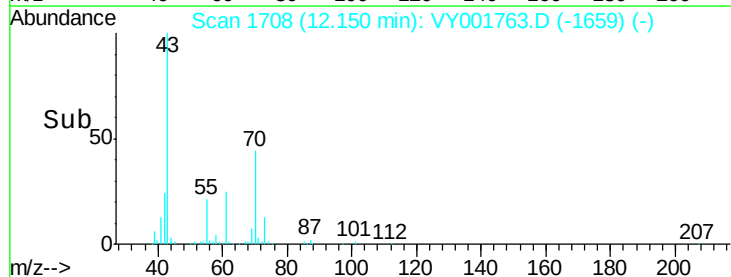
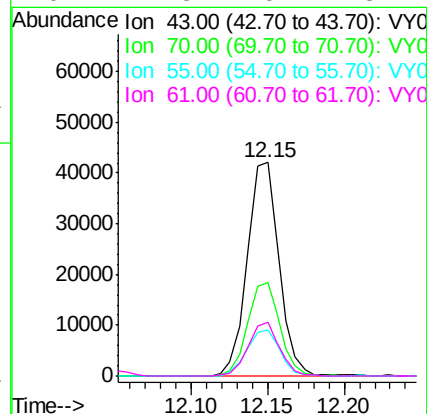
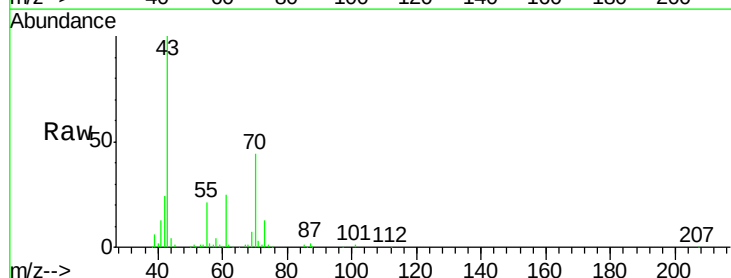
Ion Ratio Lower Upper

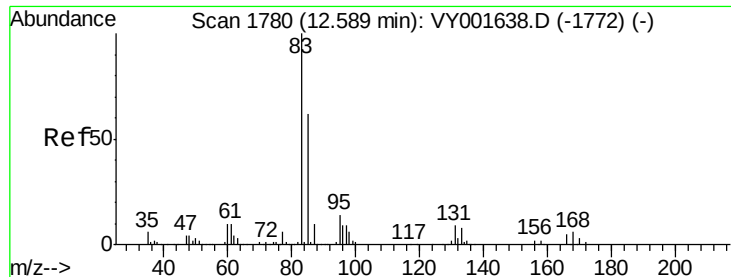
43 100

70 44.5 35.9 53.9

55 22.5 18.3 27.5

61 24.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.65 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

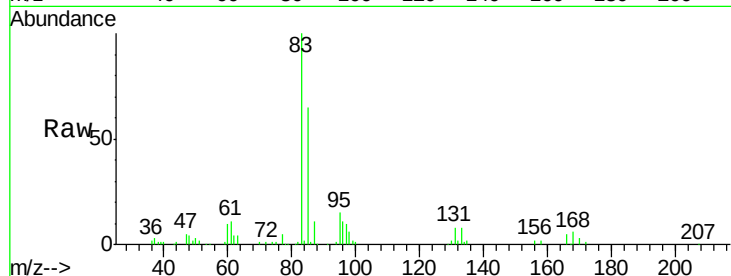
Tgt Ion: 83 Resp: 42031

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

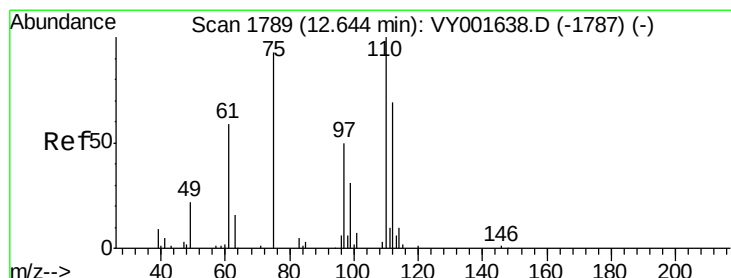
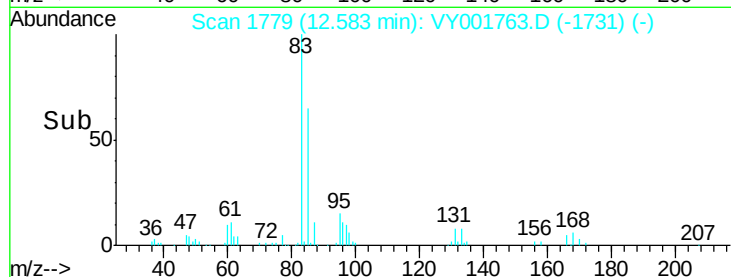
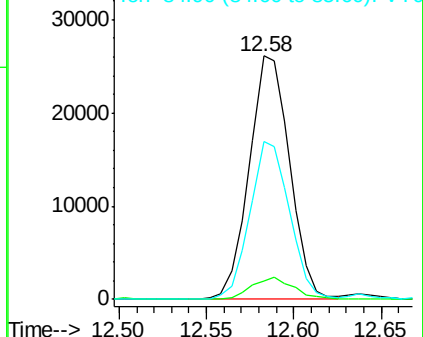
85 63.5 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 32.88 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VY001763.D

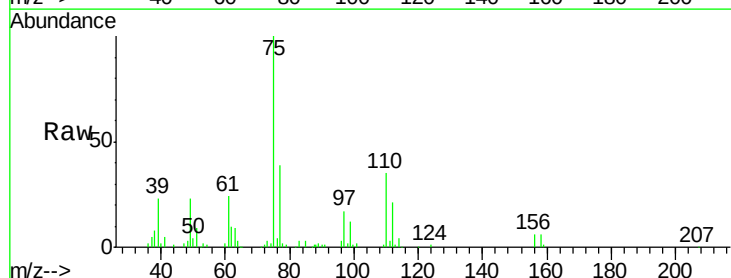
Acq: 24 Feb 2020 11:27

Tgt Ion: 75 Resp: 55214

Ion Ratio Lower Upper

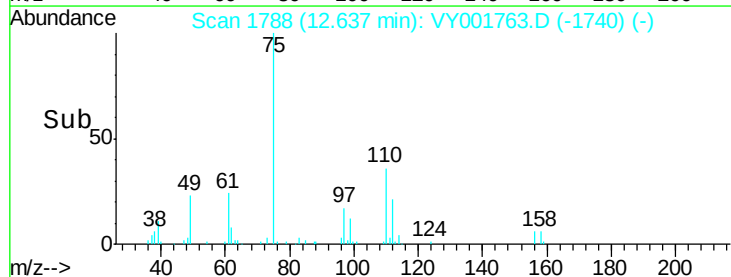
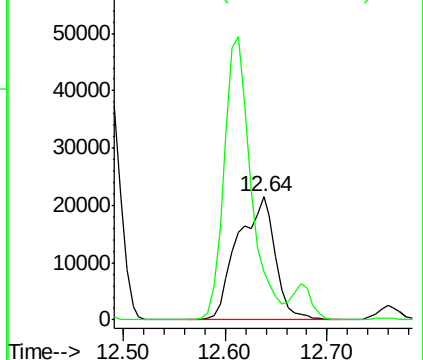
75 100

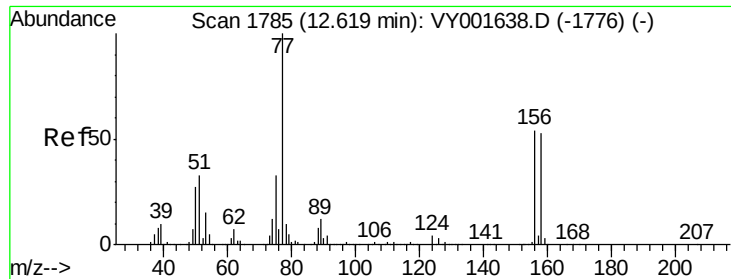
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 17.16 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

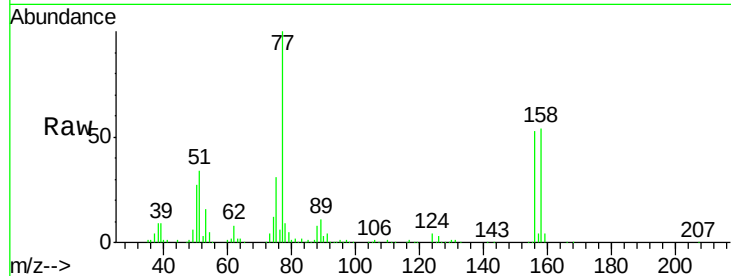
Tgt Ion:156 Resp: 41475

Ion Ratio Lower Upper

156 100

77 217.0 110.1 330.1

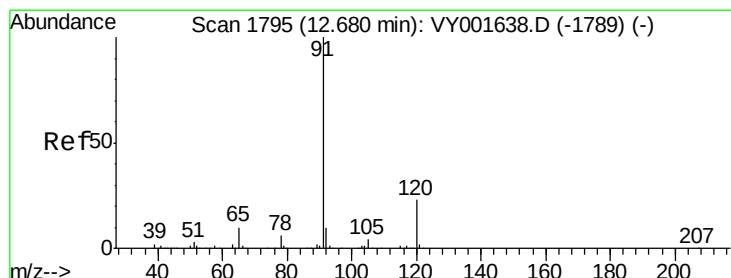
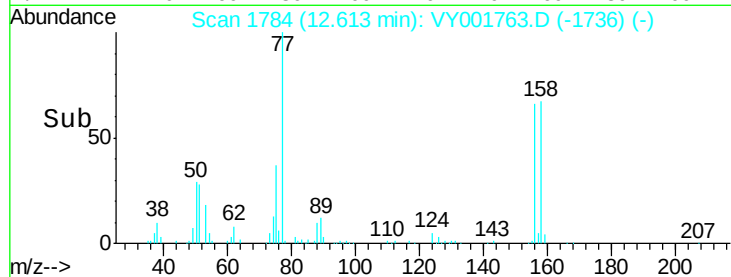
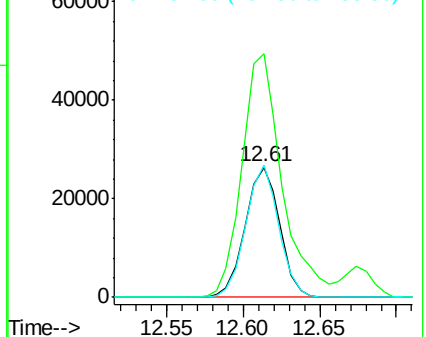
158 96.6 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.62 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001763.D

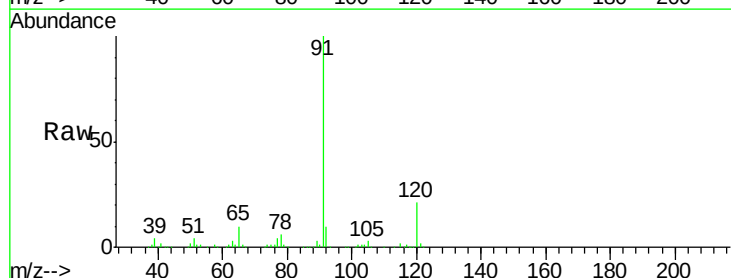
Acq: 24 Feb 2020 11:27

Tgt Ion: 91 Resp: 239256

Ion Ratio Lower Upper

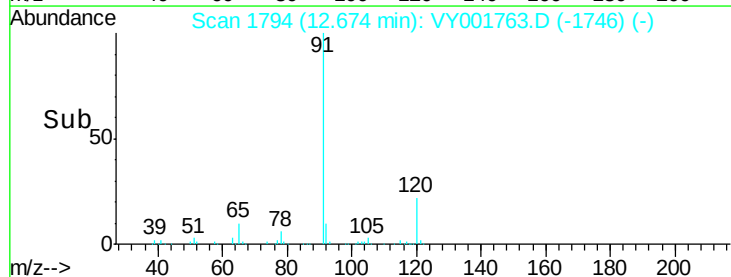
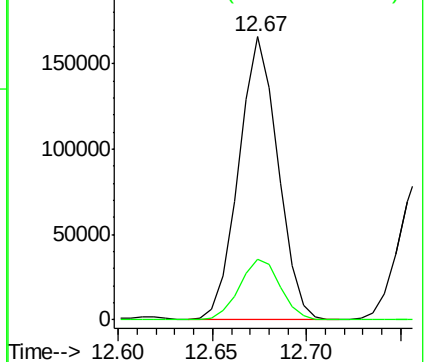
91 100

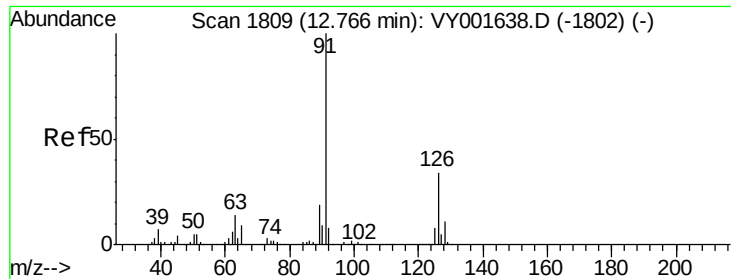
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.20 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

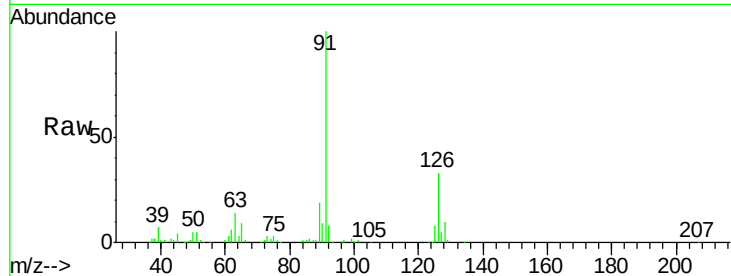
VY0224SBS01

Tgt Ion: 91 Resp: 131038

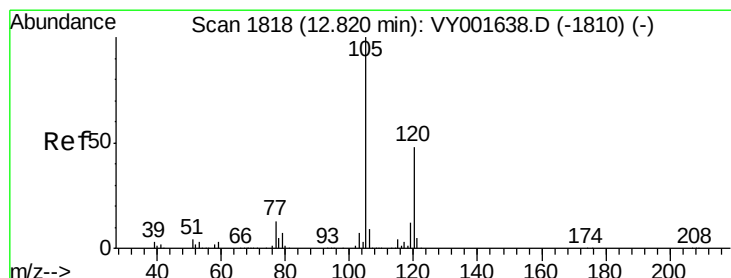
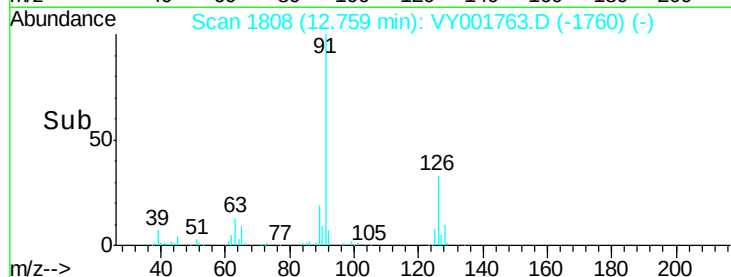
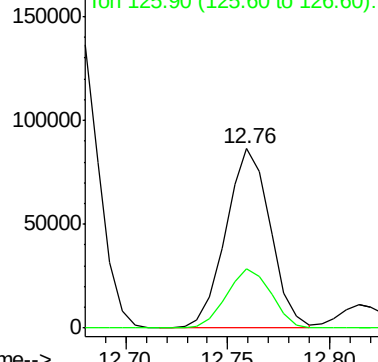
Ion Ratio Lower Upper

91 100

126 33.4 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.34 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001763.D

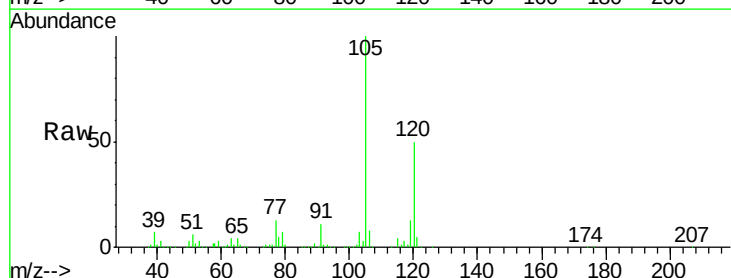
Acq: 24 Feb 2020 11:27

Tgt Ion: 105 Resp: 160104

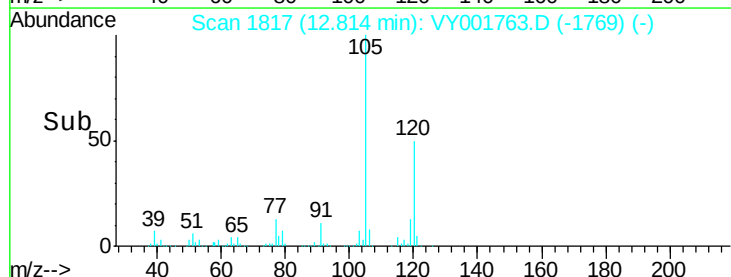
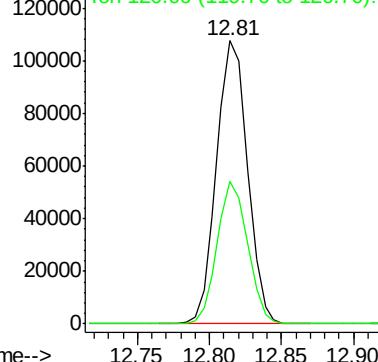
Ion Ratio Lower Upper

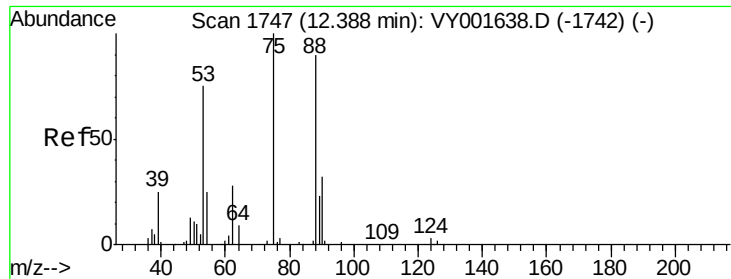
105 100

120 49.5 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.49 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

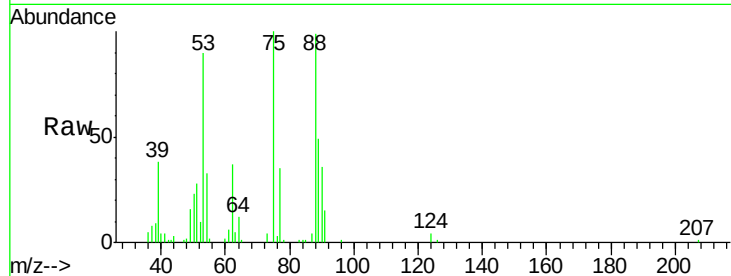
Tgt Ion: 75 Resp: 14598

Ion Ratio Lower Upper

75 100

53 88.8 64.5 96.7

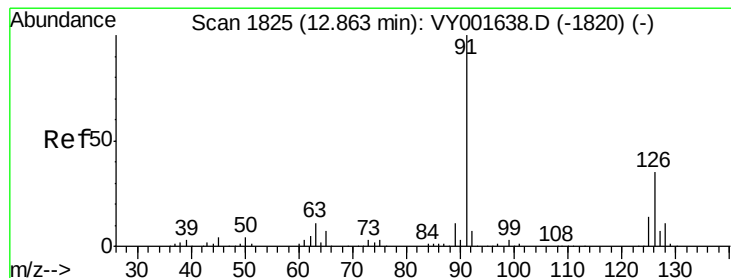
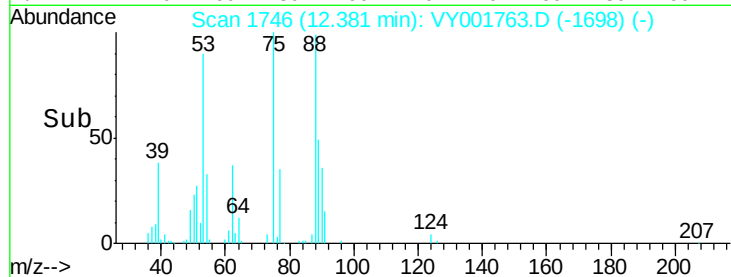
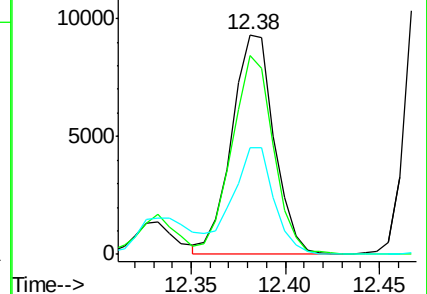
89 47.5 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 17.17 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001763.D

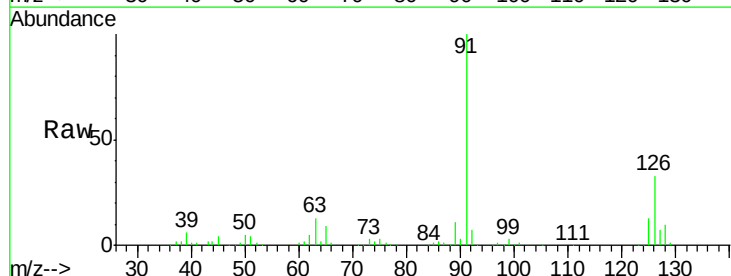
Acq: 24 Feb 2020 11:27

Tgt Ion: 91 Resp: 137909

Ion Ratio Lower Upper

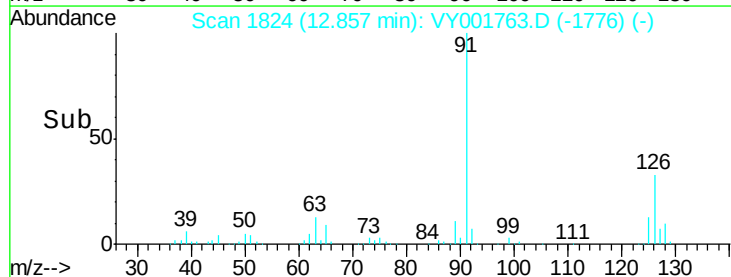
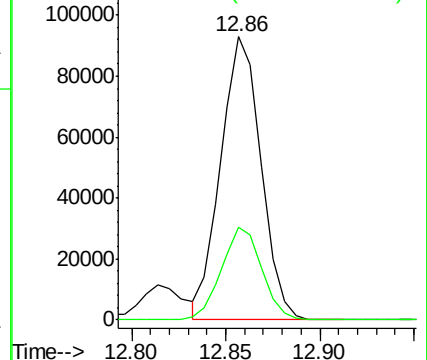
91 100

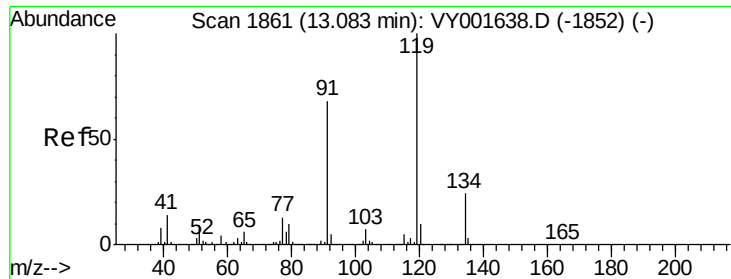
126 32.8 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

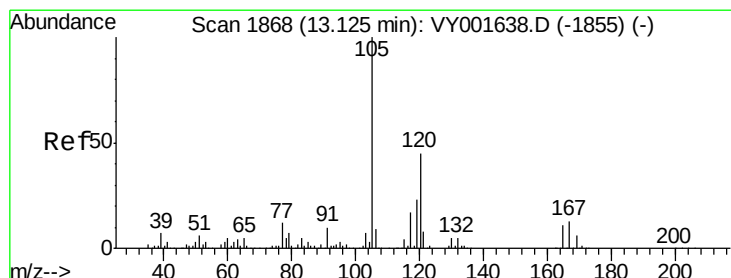
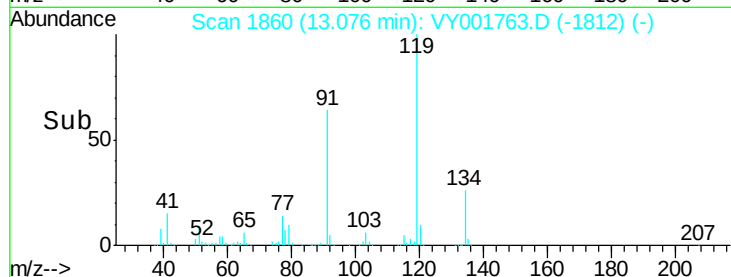
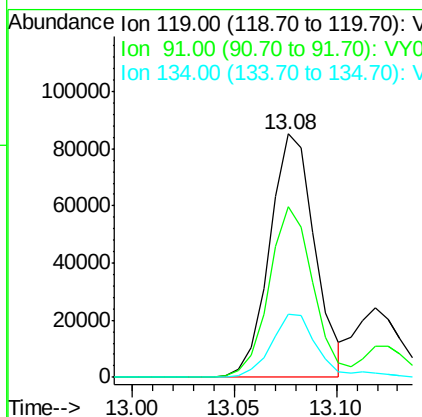
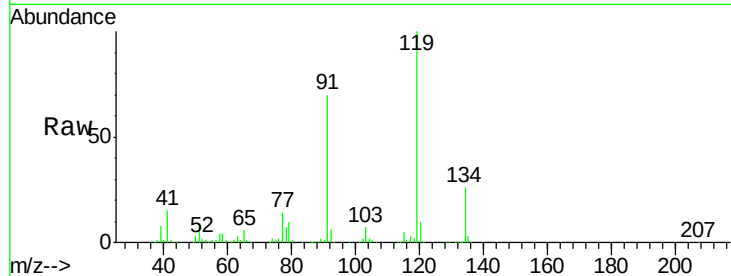




#83
 tert-Butylbenzene
 Concen: 17.00 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

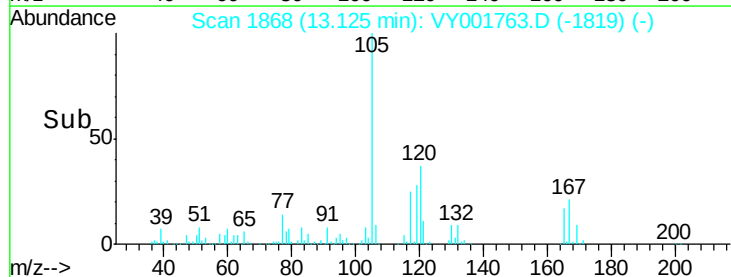
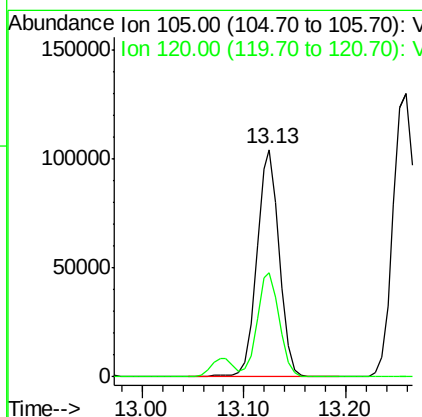
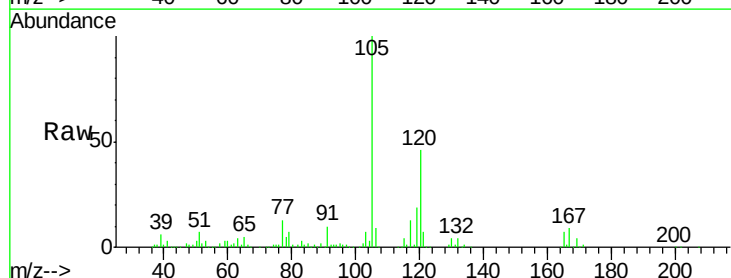
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

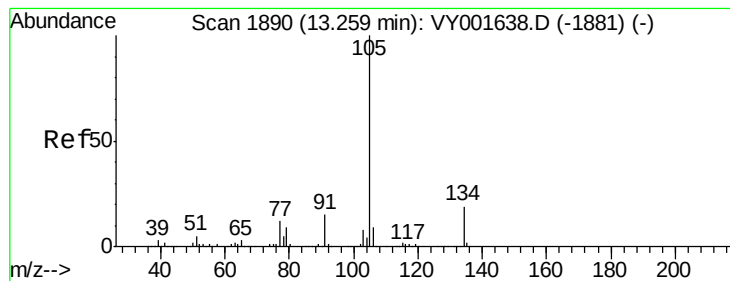
Tgt Ion:119 Resp: 131247
 Ion Ratio Lower Upper
 119 100
 91 68.6 33.5 100.5
 134 27.1 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 17.27 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion:105 Resp: 158916
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 17.44 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

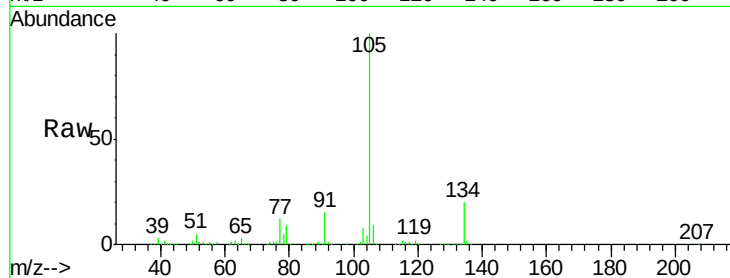
VY0224SBS01

Tgt Ion:105 Resp: 198057

Ion Ratio Lower Upper

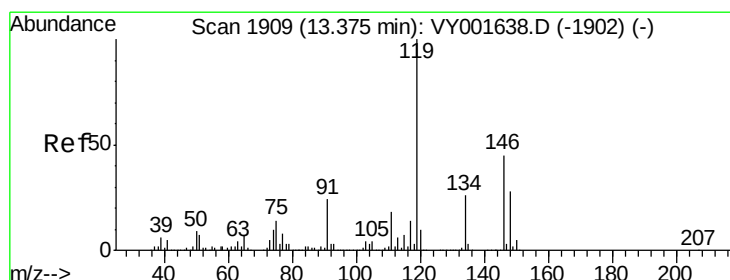
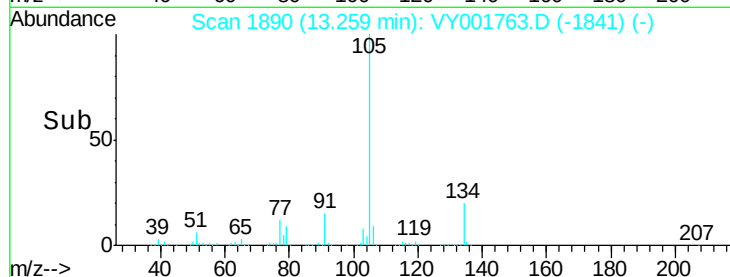
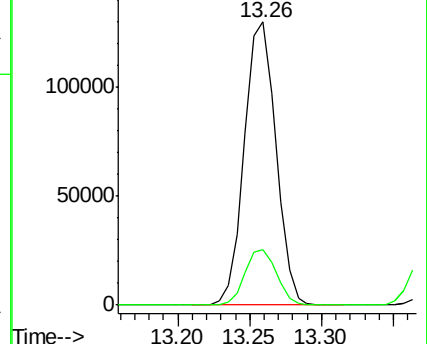
105 100

134 19.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.61 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

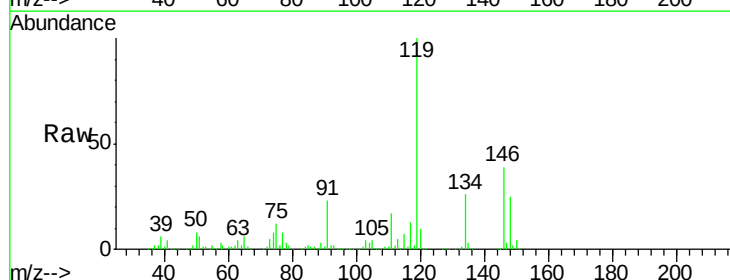
Tgt Ion:119 Resp: 173681

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

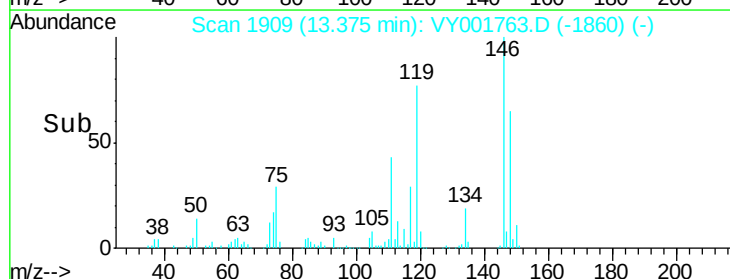
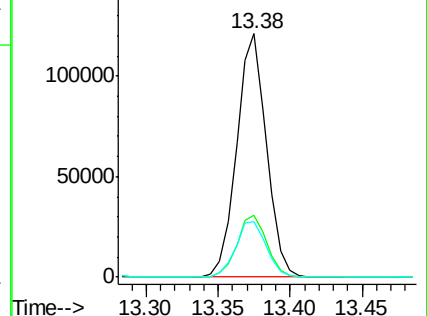
91 23.6 12.2 36.6

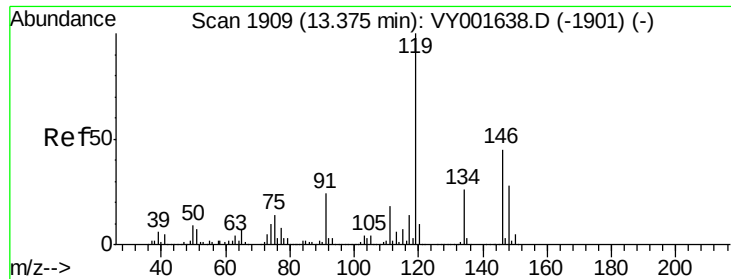


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 17.52 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

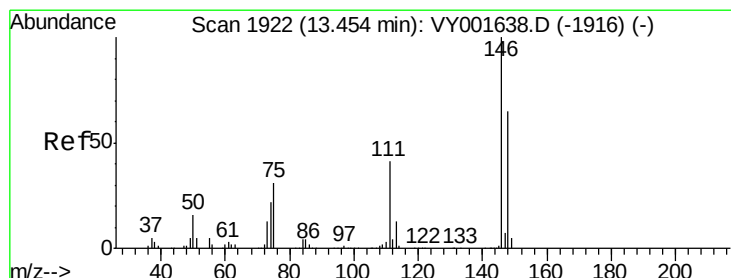
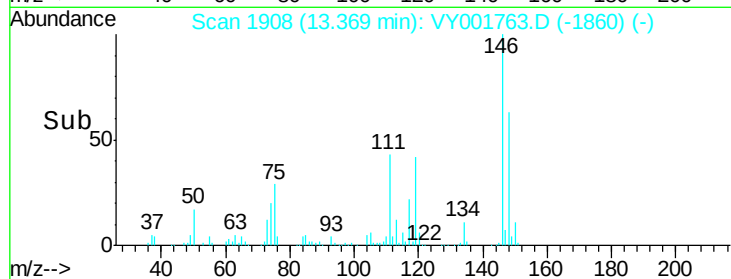
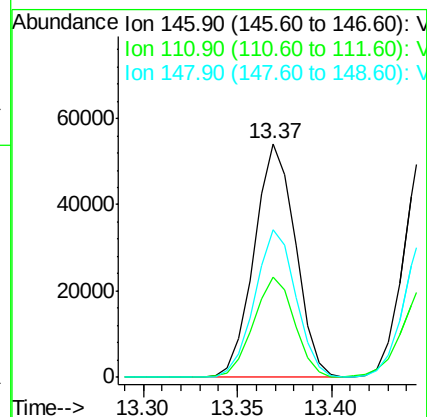
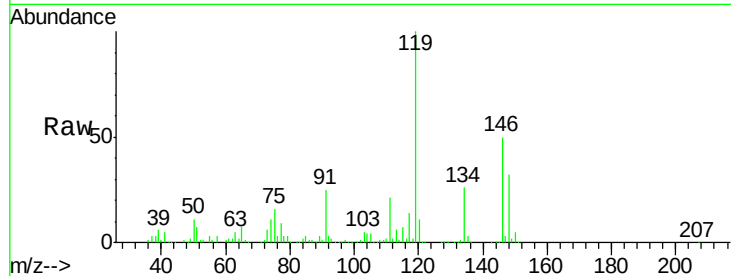
Tgt Ion:146 Resp: 82144

Ion Ratio Lower Upper

146 100

111 42.4 21.4 64.3

148 62.9 31.6 94.7



#88

1,4-Dichlorobenzene

Concen: 17.67 ug/l

RT: 13.45 min Scan# 1921

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

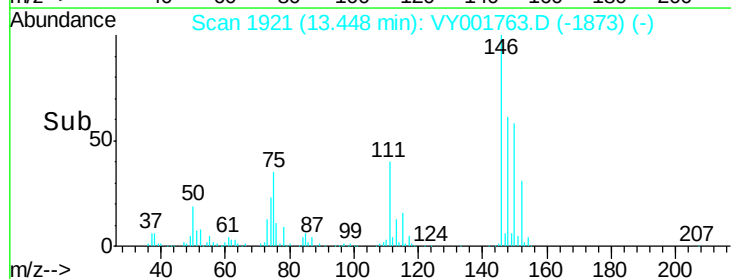
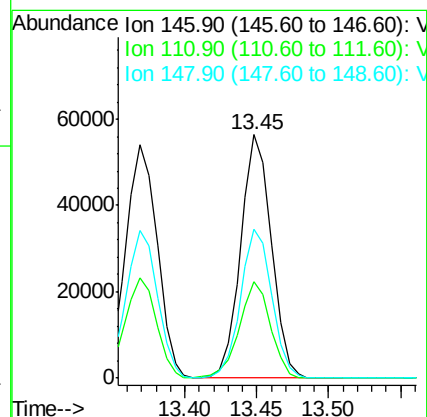
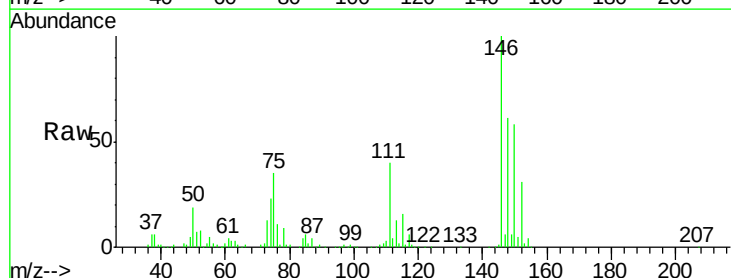
Tgt Ion:146 Resp: 83720

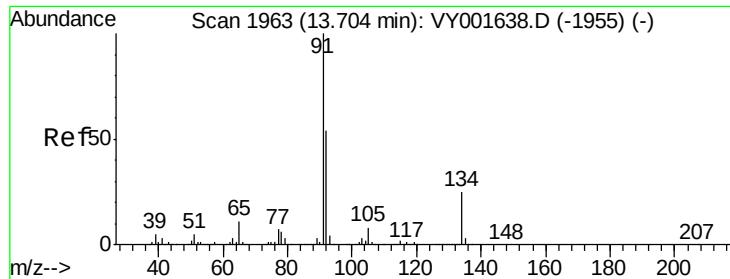
Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.3

148 62.0 31.6 94.7





#89

n-Butylbenzene

Concen: 17.64 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

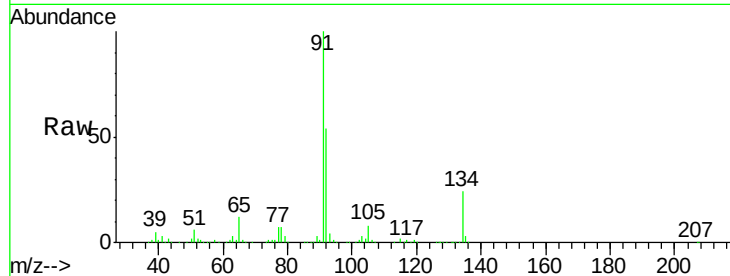
Tgt Ion: 91 Resp: 177764

Ion Ratio Lower Upper

91 100

92 53.4 27.5 82.4

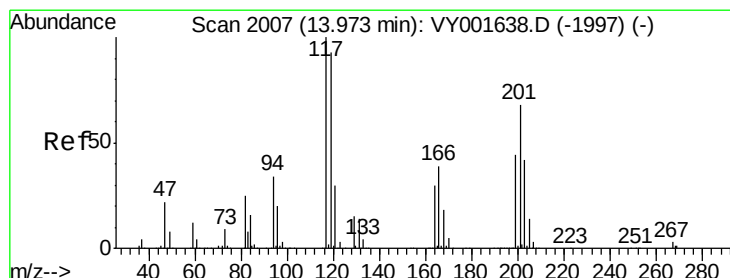
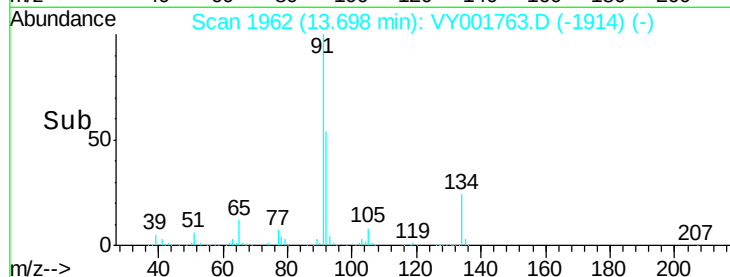
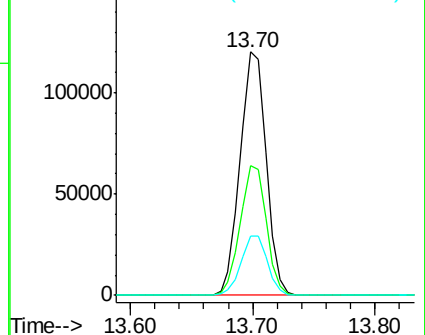
134 24.4 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): VY0



#90

Hexachloroethane

Concen: 17.11 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.01 min

Lab File: VY001763.D

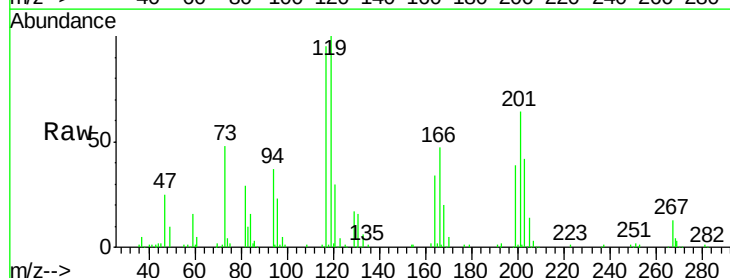
Acq: 24 Feb 2020 11:27

Tgt Ion: 117 Resp: 31797

Ion Ratio Lower Upper

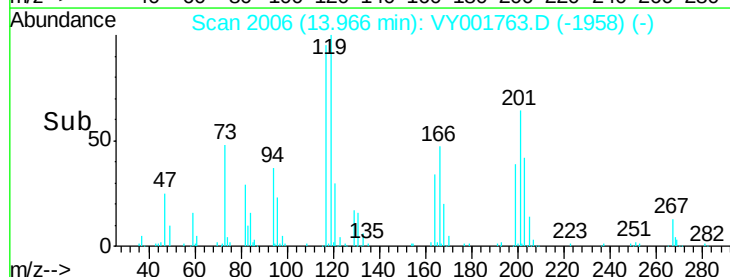
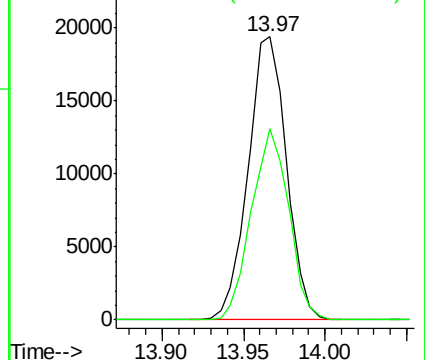
117 100

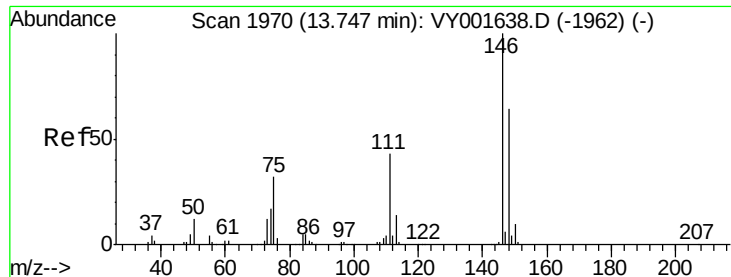
201 65.4 32.5 97.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 17.57 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

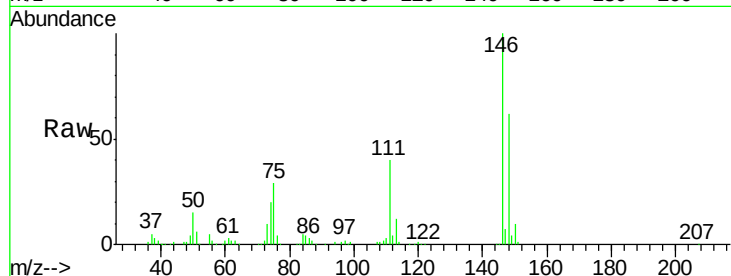
Tgt Ion:146 Resp: 76023

Ion Ratio Lower Upper

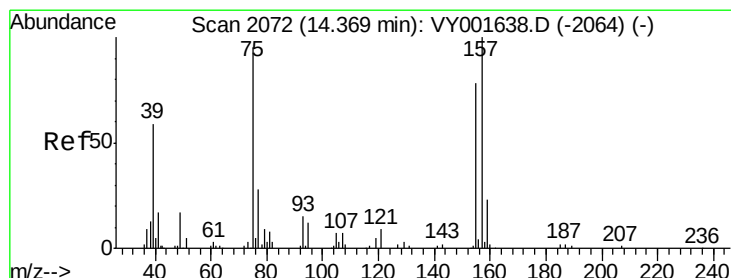
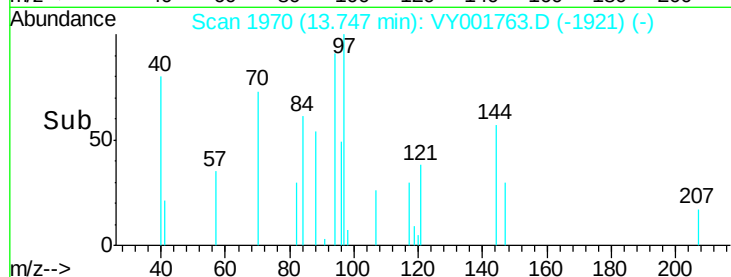
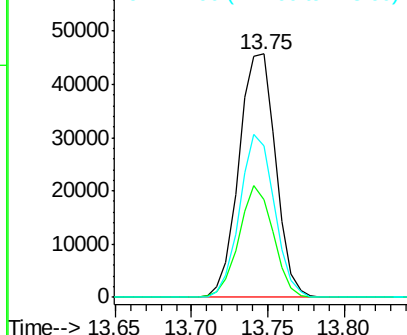
146 100

111 43.0 21.9 65.7

148 63.4 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.59 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

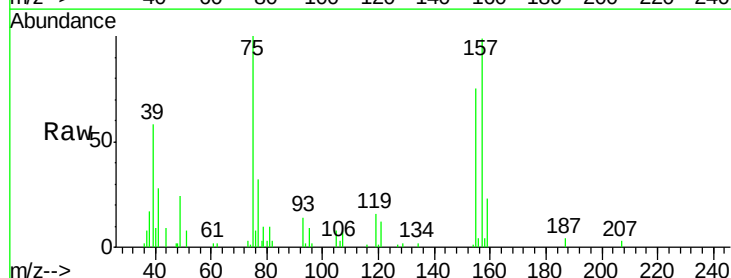
Tgt Ion: 75 Resp: 6914

Ion Ratio Lower Upper

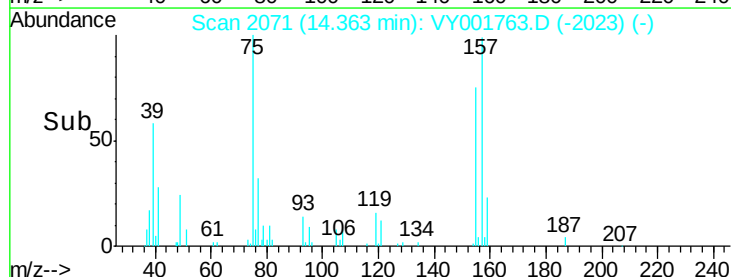
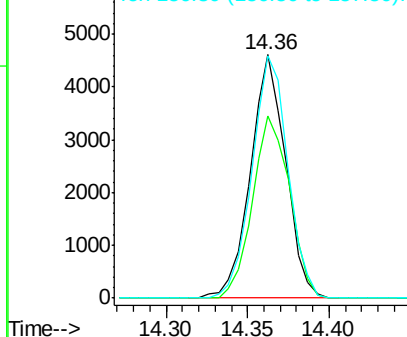
75 100

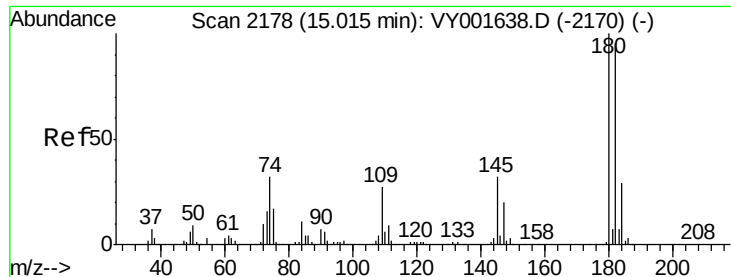
155 78.7 40.8 122.4

157 101.4 52.1 156.4



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

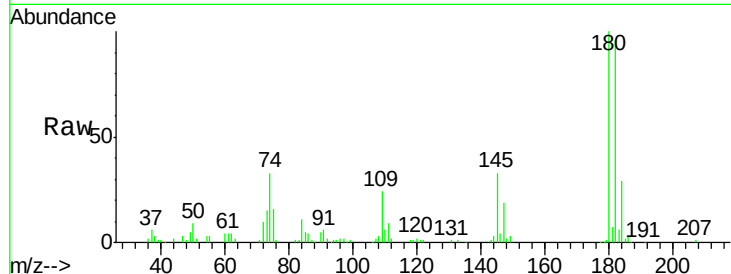




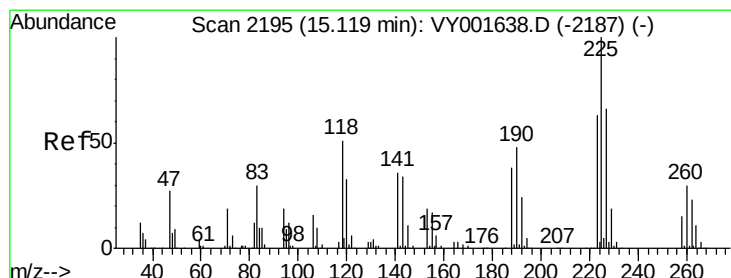
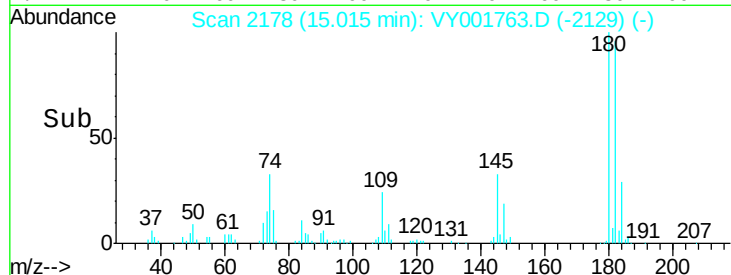
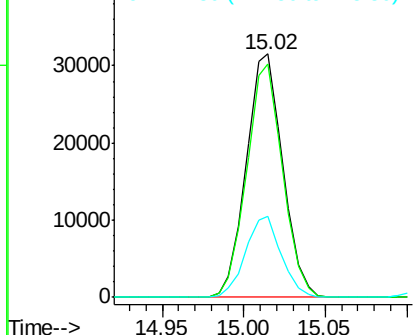
#93
 1,2,4-Trichlorobenzene
 Concen: 17.09 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tgt Ion:180 Resp: 48992
 Ion Ratio Lower Upper
 180 100
 182 94.3 46.8 140.3
 145 32.7 16.2 48.5

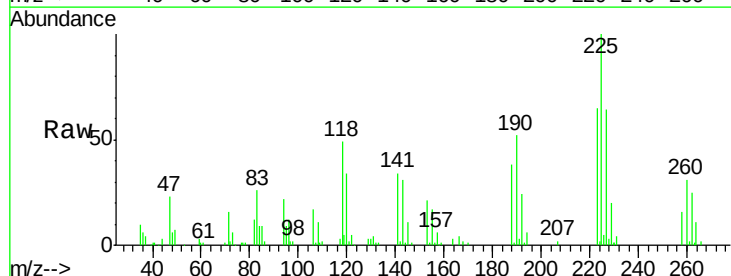


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

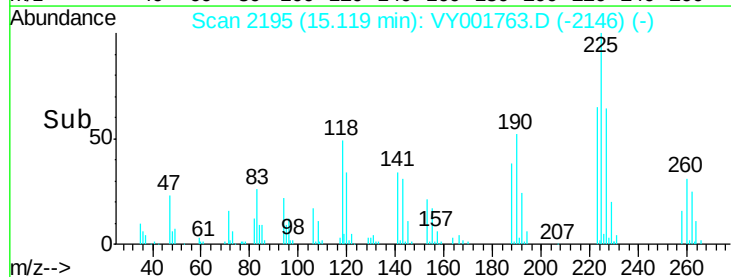
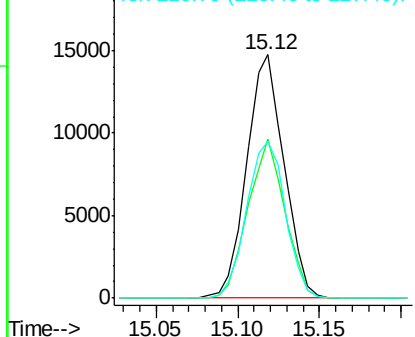


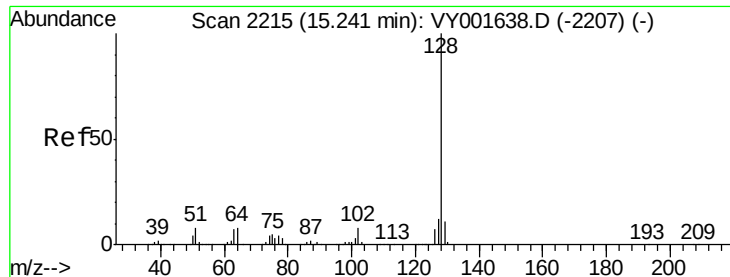
#94
 Hexachlorobutadiene
 Concen: 16.50 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion:225 Resp: 23525
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.4 94.0
 227 66.9 31.6 94.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.56 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

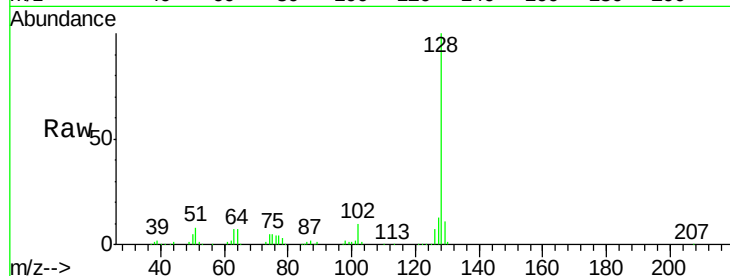
Tgt Ion:128 Resp: 116073

Ion Ratio Lower Upper

128 100

127 12.2 9.9 14.9

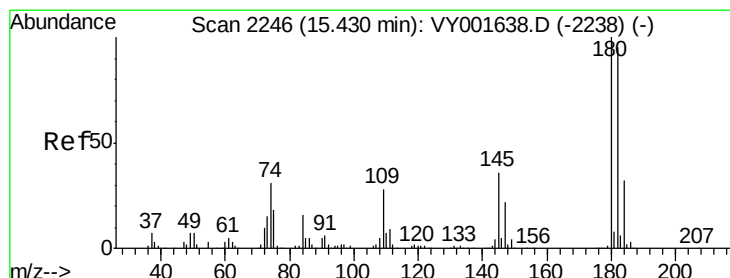
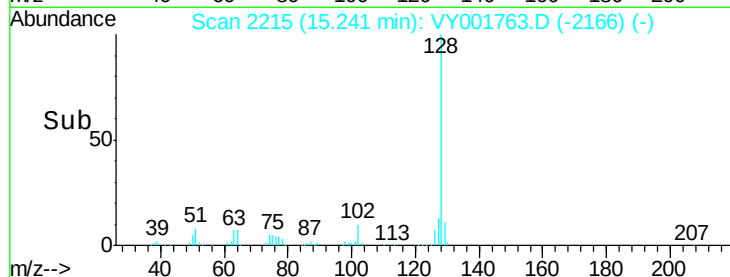
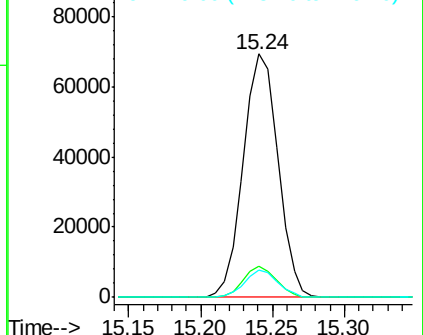
129 10.9 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 17.30 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

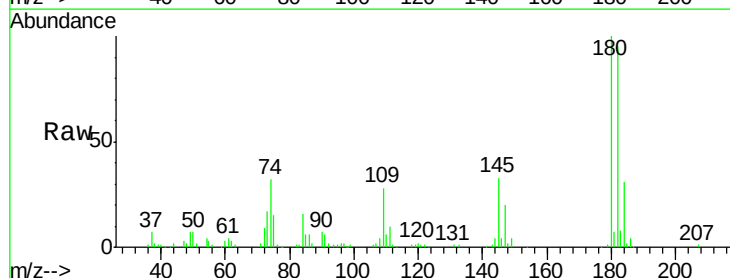
Tgt Ion:180 Resp: 43642

Ion Ratio Lower Upper

180 100

182 94.5 47.2 141.6

145 33.8 17.3 52.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

