

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003104.D
 Acq On : 06 Jul 2020 11:22
 Operator : SY/MD
 Sample : VY0706SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

Quant Time: Jul 07 07:01:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	445468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	643741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	580970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	313029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	215454	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	7.72	113	206173	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	10.18	98	760566	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.48	95	268557	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	63806	18.913	ug/l	98
3) Chloromethane	2.11	50	89571	18.131	ug/l	100
4) Vinyl Chloride	2.26	62	97032	20.135	ug/l	95
5) Bromomethane	2.65	94	74619	22.806	ug/l	96
6) Chloroethane	2.80	64	64491	21.037	ug/l	96
7) Trichlorofluoromethane	3.13	101	142950	21.017	ug/l	99
8) Diethyl Ether	3.54	74	48684	20.879	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	86869	21.390	ug/l	99
10) Methyl Iodide	4.10	142	97930	19.446	ug/l	100
11) Tert butyl alcohol	4.96	59	50465	111.921	ug/l #	84
12) 1,1-Dichloroethene	3.88	96	81838	21.179	ug/l	91
13) Acrolein	3.74	56	35890	88.624	ug/l	97
14) Allyl chloride	4.49	41	129168	19.146	ug/l	98
15) Acrylonitrile	5.17	53	125767	104.656	ug/l	99
16) Acetone	3.96	43	108541	104.018	ug/l	98
17) Carbon Disulfide	4.20	76	249929	20.244	ug/l	100
18) Methyl Acetate	4.49	43	57744	20.540	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	236606	21.006	ug/l	97
20) Methylene Chloride	4.72	84	101137	17.138	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	91183	20.862	ug/l	98
22) Diisopropyl ether	6.13	45	286833	19.836	ug/l	97
23) Vinyl Acetate	6.07	43	958146	99.110	ug/l	99
24) 1,1-Dichloroethane	6.03	63	161352	20.427	ug/l	99
25) 2-Butanone	6.99	43	171123	103.237	ug/l	99
26) 2,2-Dichloropropane	6.99	77	149155	20.784	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	101614	20.727	ug/l	98
28) Bromochloromethane	7.35	49	62378	17.748	ug/l	88
29) Tetrahydrofuran	7.35	42	113147	102.647	ug/l	95
30) Chloroform	7.51	83	163786	20.930	ug/l	100
31) Cyclohexane	7.79	56	156034	20.052	ug/l	92
32) 1,1,1-Trichloroethane	7.71	97	149837	20.977	ug/l	99
36) 1,1-Dichloropropene	7.92	75	129079	20.817	ug/l	98
37) Ethyl Acetate	7.08	43	78798	21.135	ug/l	99
38) Carbon Tetrachloride	7.91	117	138098	21.406	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	161200	20.968	ug/l	98
40) Benzene	8.16	78	360306	21.224	ug/l	100
41) Methacrylonitrile	7.35	41	104115	52.278	ug/l #	44
42) 1,2-Dichloroethane	8.24	62	112757	20.996	ug/l	100
43) Isopropyl Acetate	8.28	43	142211	20.065	ug/l	96
44) Trichloroethene	8.94	130	108488	21.987	ug/l	100
45) 1,2-Dichloropropane	9.22	63	94098	20.603	ug/l	99
46) Dibromomethane	9.31	93	53960	21.154	ug/l	98
47) Bromodichloromethane	9.50	83	132261	21.175	ug/l	98
48) Methyl methacrylate	9.30	41	64534	20.004	ug/l	96
49) 1,4-Dioxane	9.30	88	14475	464.864	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	384728	105.023	ug/l	98
52) Toluene	10.24	92	226996	21.241	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	136291	20.812	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	155385	20.748	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	78067	22.024	ug/l	99
56) Ethyl methacrylate	10.51	69	107443	20.940	ug/l	98
57) 1,3-Dichloropropane	10.79	76	132329	21.266	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	235273	89.404	ug/l	98
59) 2-Hexanone	10.83	43	272603	106.465	ug/l	97
60) Dibromochloromethane	10.99	129	98317	21.674	ug/l	99
61) 1,2-Dibromoethane	11.09	107	76168	21.797	ug/l	99
64) Tetrachloroethene	10.72	164	108781	22.123	ug/l	98
65) Chlorobenzene	11.52	112	255175	22.275	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	98405	22.002	ug/l	99
67) Ethyl Benzene	11.59	91	449934	21.469	ug/l	99
68) m/p-Xylenes	11.70	106	337669	43.291	ug/l	99
69) o-Xylene	12.03	106	159612	21.716	ug/l	97
70) Styrene	12.05	104	274586	21.868	ug/l	99
71) Bromoform	12.20	173	65631	22.007	ug/l #	99
73) Isopropylbenzene	12.33	105	441040	21.528	ug/l	99
74) N-amyl acetate	12.14	43	134006	20.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	91523	22.138	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	126812	40.933	ug/l #	100
77) Bromobenzene	12.61	156	111822	21.288	ug/l	98
78) n-propylbenzene	12.67	91	518351	21.039	ug/l	99
79) 2-Chlorotoluene	12.75	91	290315	21.110	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	370038	21.525	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	34290	21.534	ug/l	97
82) 4-Chlorotoluene	12.85	91	305493	21.336	ug/l	99
83) tert-Butylbenzene	13.08	119	322977	21.396	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	375297	21.665	ug/l	100
85) sec-Butylbenzene	13.25	105	448888	21.575	ug/l	100
86) p-Isopropyltoluene	13.37	119	416532	21.605	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	209304	21.343	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	213544	22.083	ug/l	99
89) n-Butylbenzene	13.70	91	394632	21.394	ug/l	99
90) Hexachloroethane	13.96	117	81147	21.196	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	190946	21.702	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	16339	22.325	ug/l	98

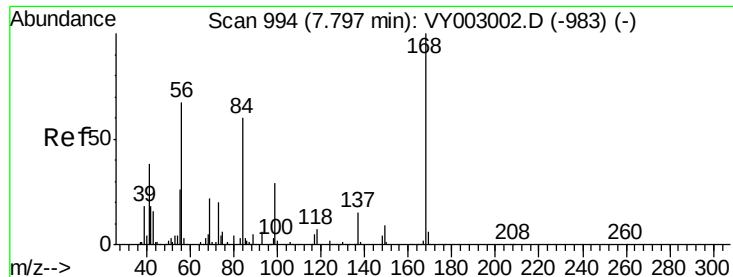
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	141877	21.701	ug/l	99
94) Hexachlorobutadiene	15.11	225	89855	21.789	ug/l	98
95) Naphthalene	15.23	128	260165	21.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	123109	21.685	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

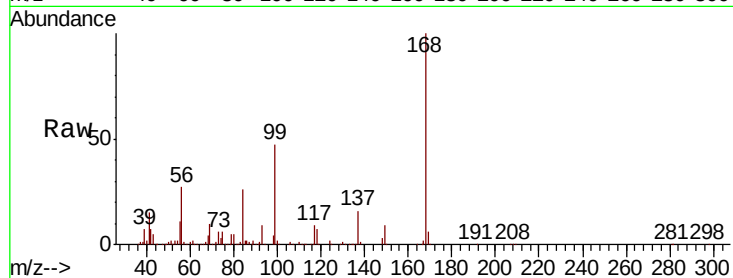
VY0706SBS01

Tot Ion:168 Resp: 445468

Ion Ratio Lower Upper

168 100

99 47.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

200000

150000

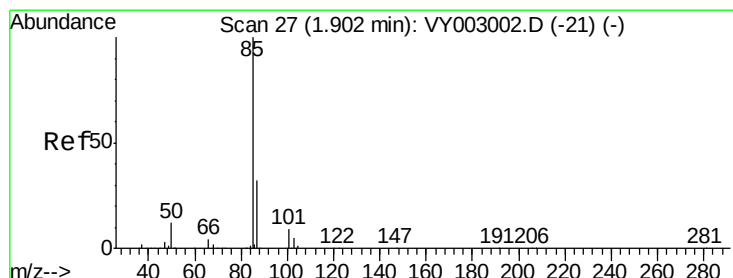
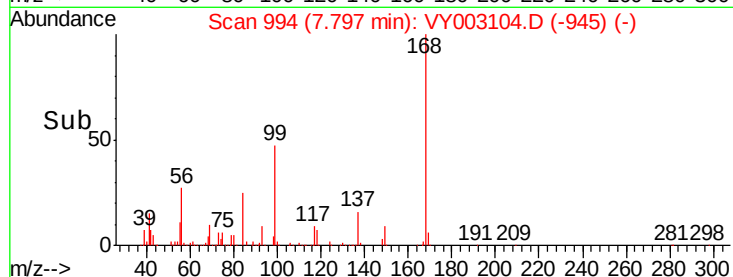
100000

50000

0

7.70 7.80 7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.913 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY003104.D

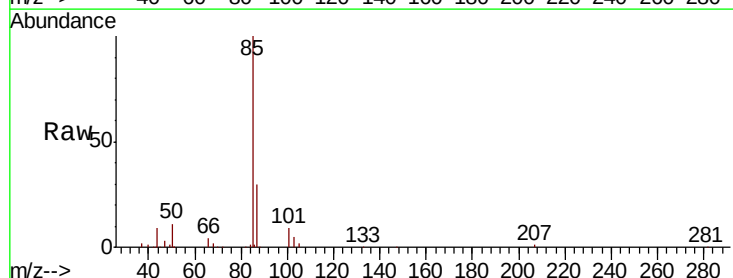
Acq: 06 Jul 2020 11:22

Tgt Ion: 85 Resp: 63806

Ion Ratio Lower Upper

85 100

87 30.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

40000

30000

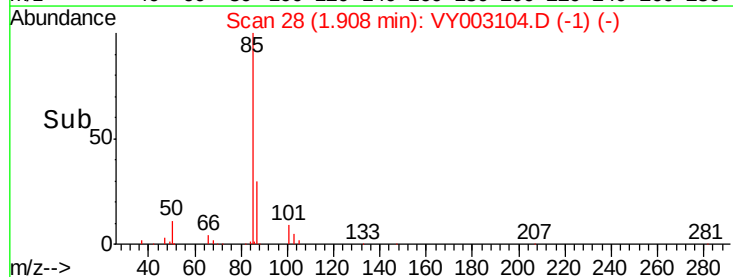
20000

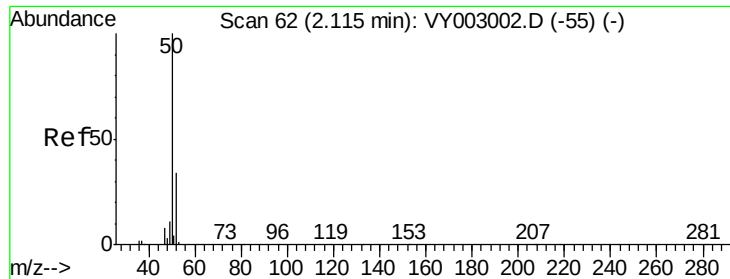
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 18.131 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

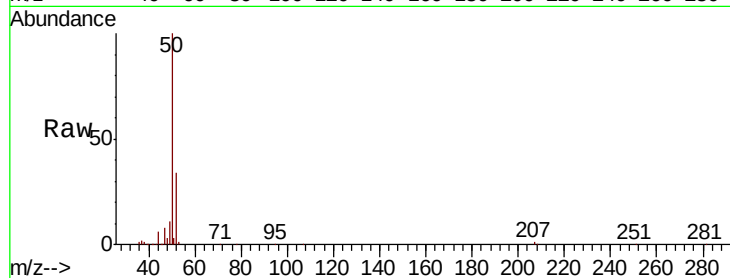
VY0706SBS01

Tot Ion: 50 Resp: 89571

Ion Ratio Lower Upper

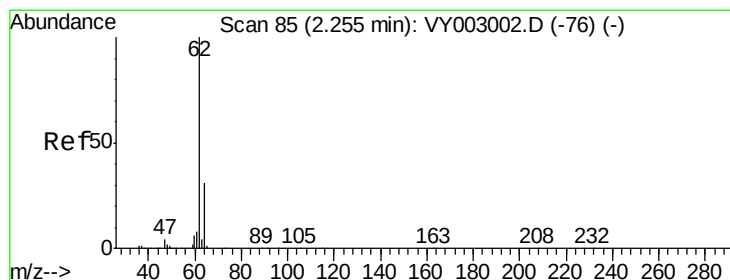
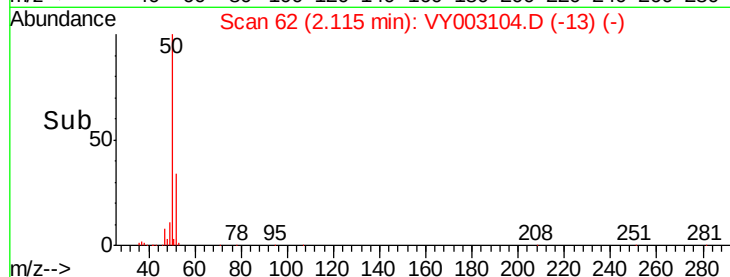
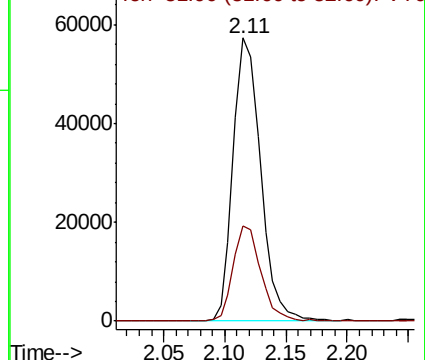
50 100

52 33.8 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.135 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY003104.D

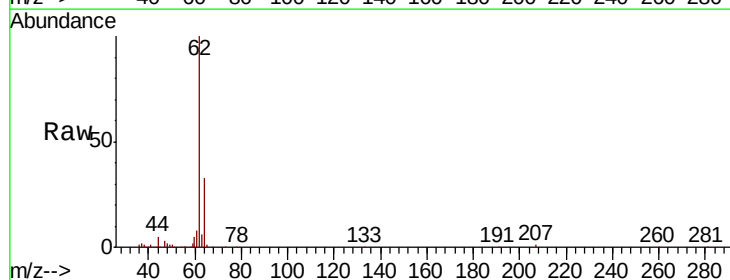
Acq: 06 Jul 2020 11:22

Tgt Ion: 62 Resp: 97032

Ion Ratio Lower Upper

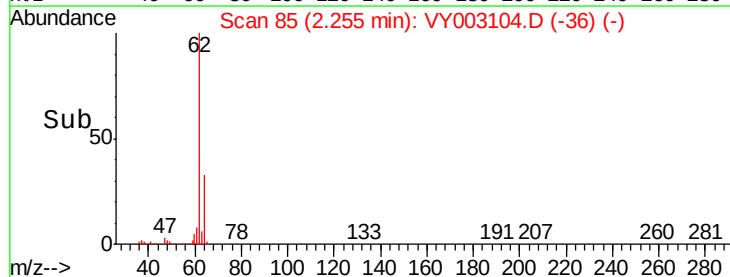
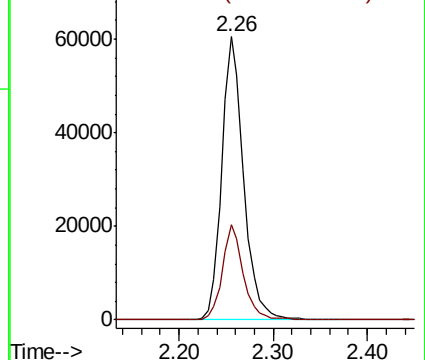
62 100

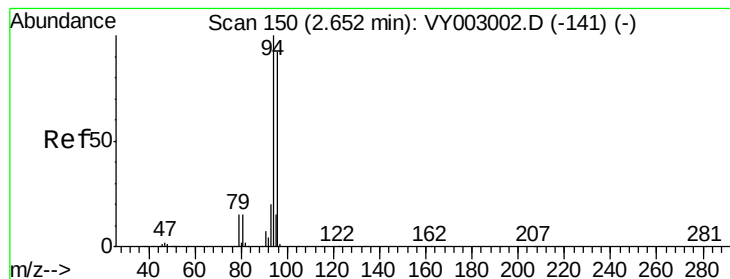
64 33.5 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 22.806 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

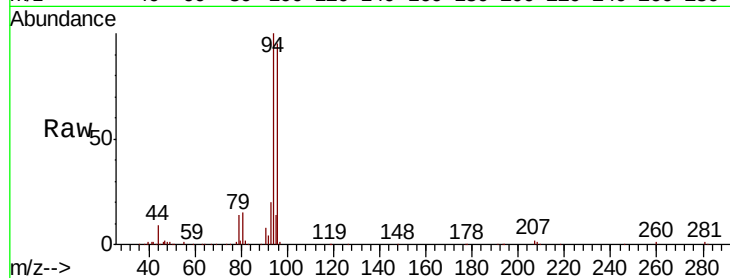
VY0706SBS01

Tot Ion: 94 Resp: 74619

Ion Ratio Lower Upper

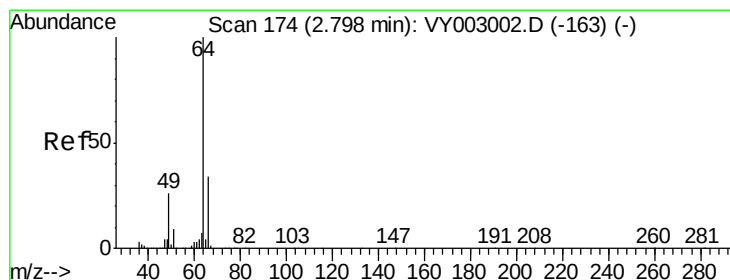
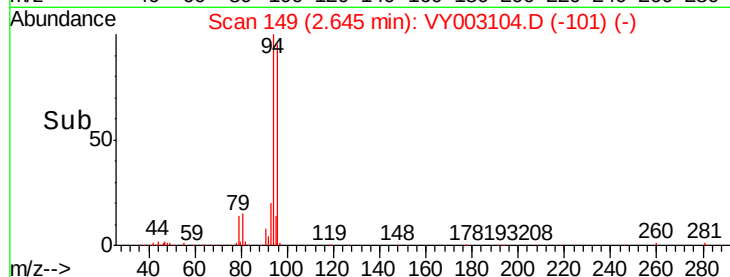
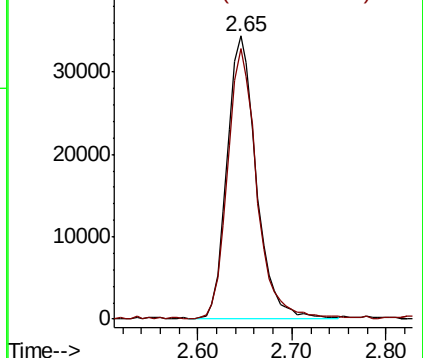
94 100

96 95.5 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.037 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY003104.D

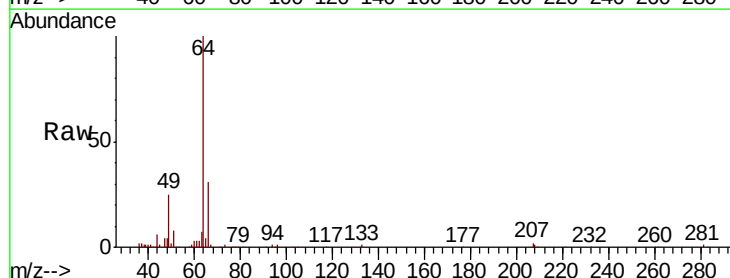
Acq: 06 Jul 2020 11:22

Tgt Ion: 64 Resp: 64491

Ion Ratio Lower Upper

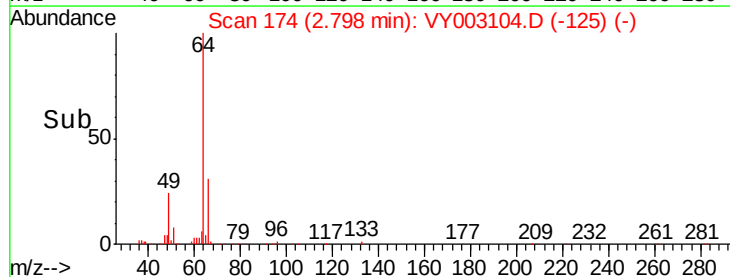
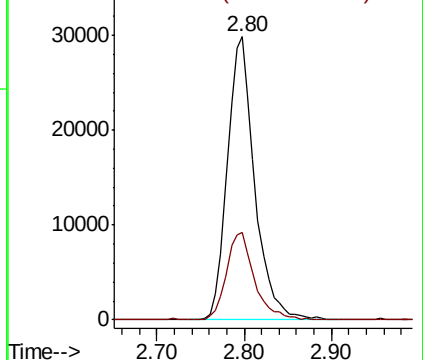
64 100

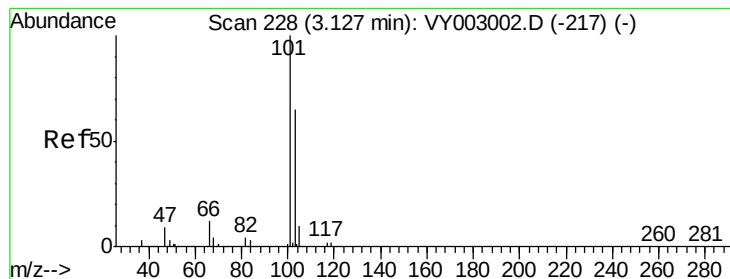
66 31.1 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



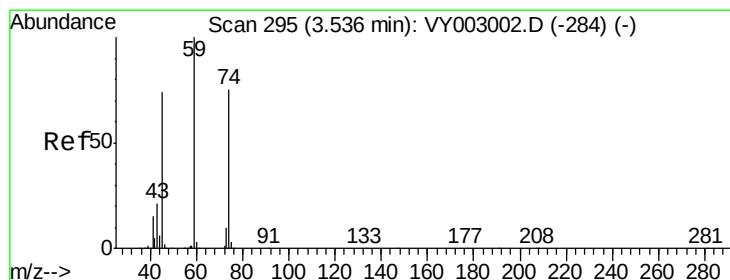
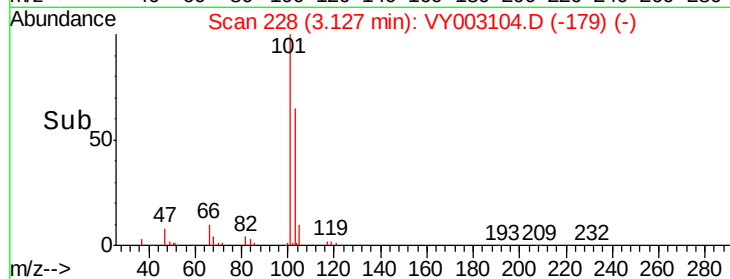
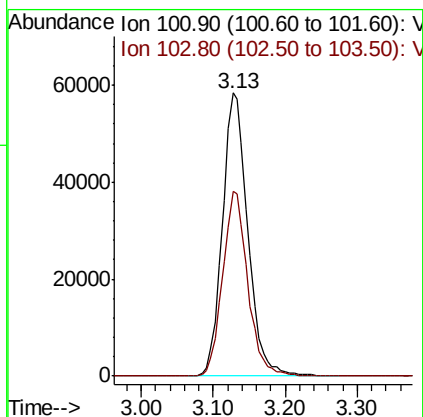
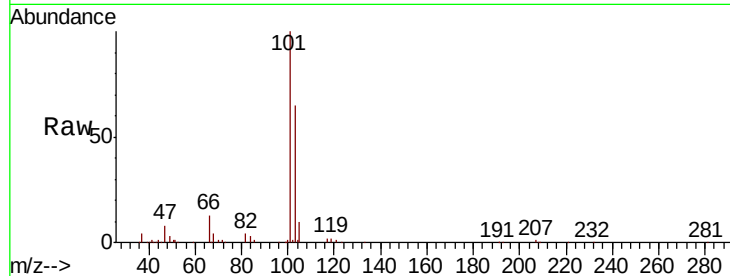


#7

Trichlorofluoromethane
 Concen: 21.017 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

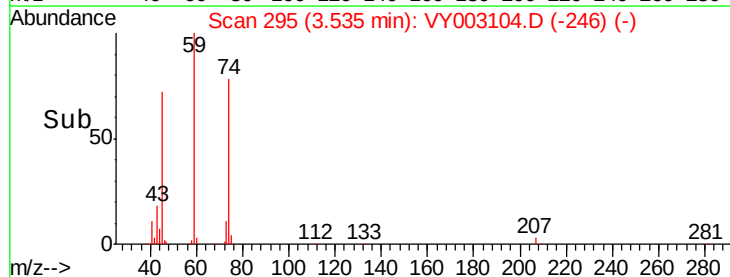
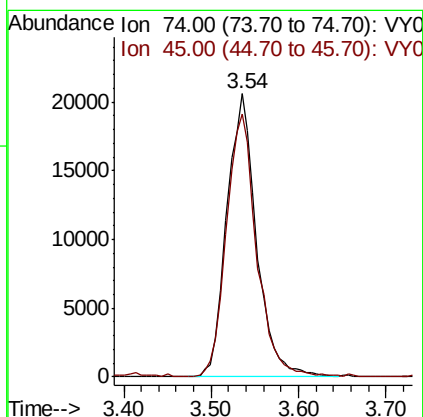
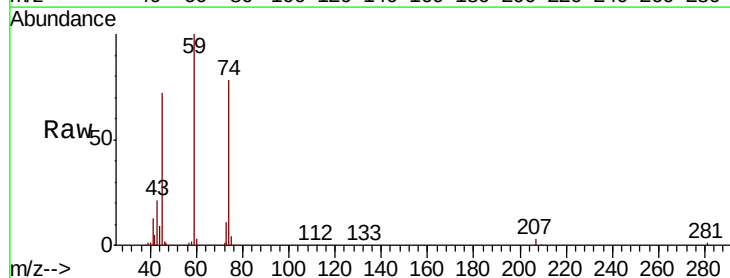
Tot Ion:101 Resp: 142950
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.6 77.4

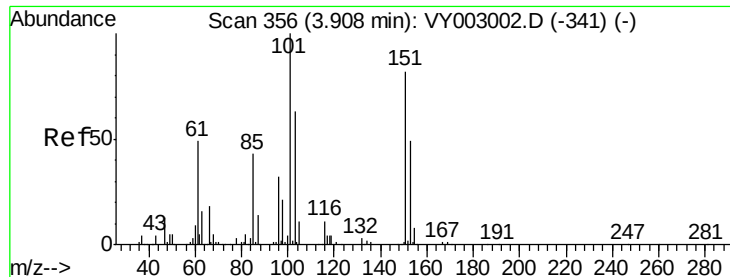


#8

Diethyl Ether
 Concen: 20.879 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion: 74 Resp: 48684
 Ion Ratio Lower Upper
 74 100
 45 94.7 49.3 147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.390 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0706SBS01

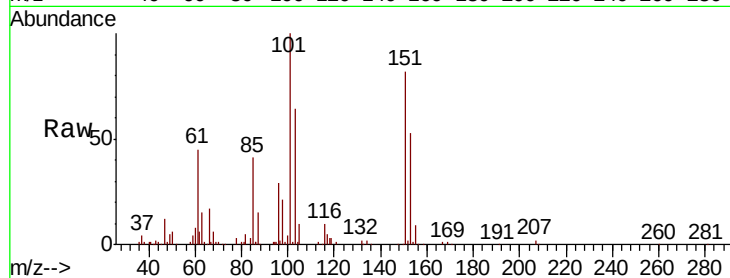
Tot Ion:101 Resp: 86869

Ion Ratio Lower Upper

101 100

85 45.0 35.5 53.3

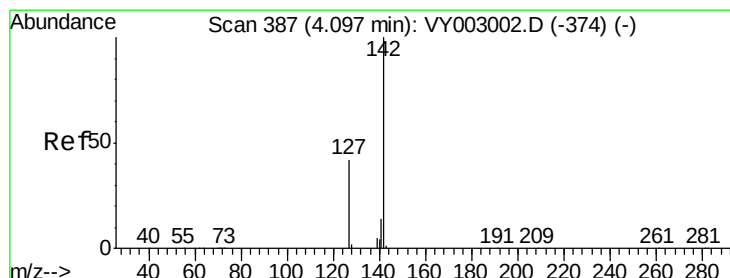
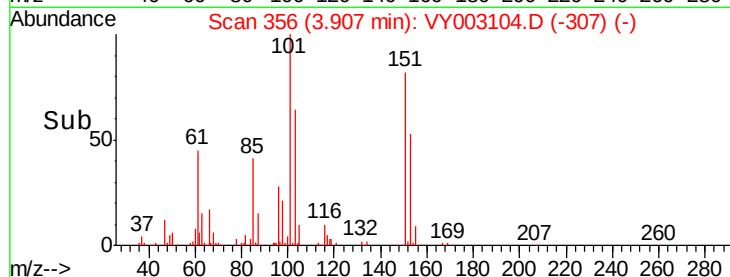
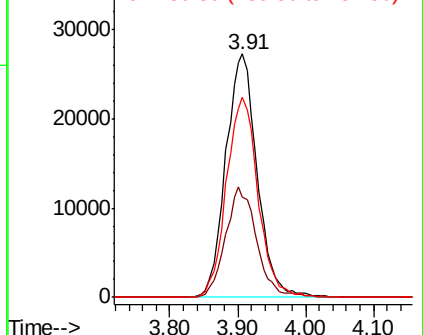
151 82.8 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.446 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

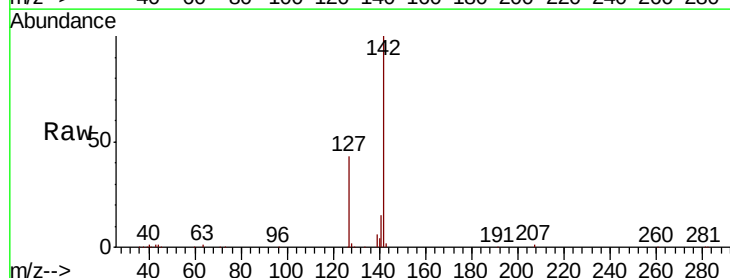
Tgt Ion:142 Resp: 97930

Ion Ratio Lower Upper

142 100

127 42.6 34.2 51.2

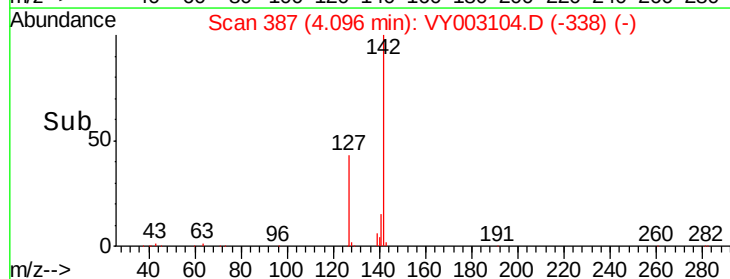
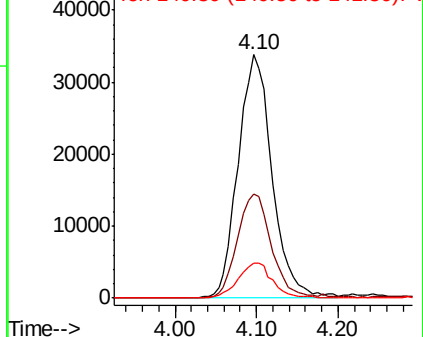
141 14.5 11.7 17.5

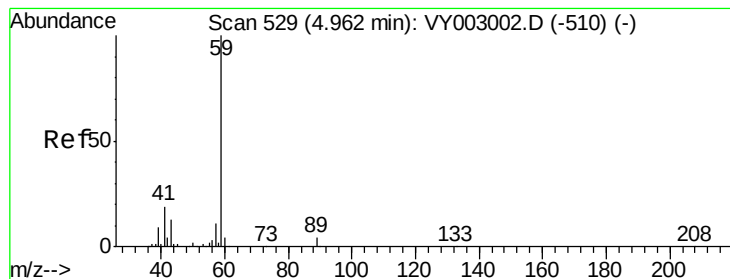


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



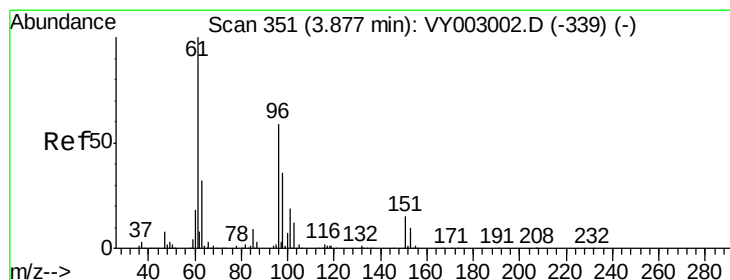
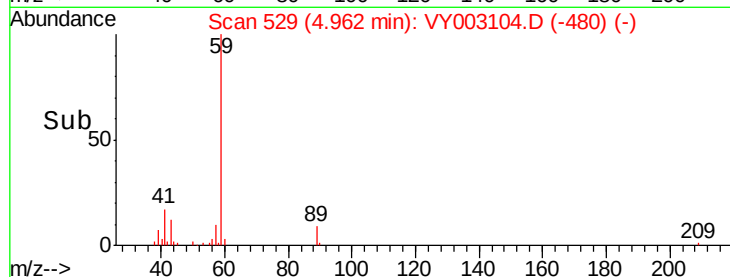
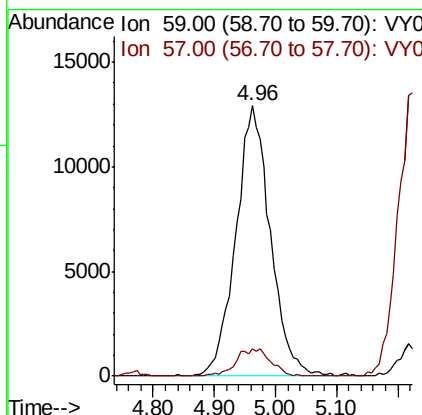
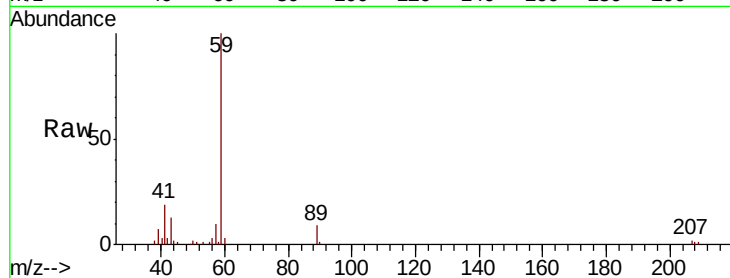


#11

Tert butyl alcohol
 Concen: 111.921 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

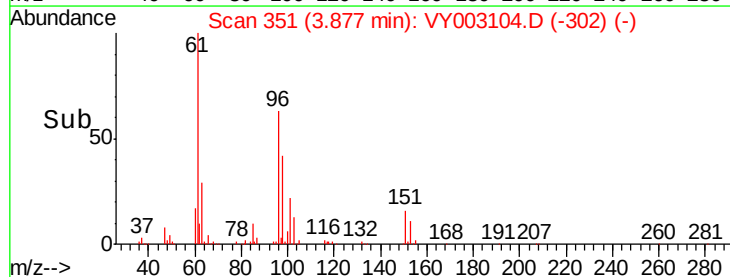
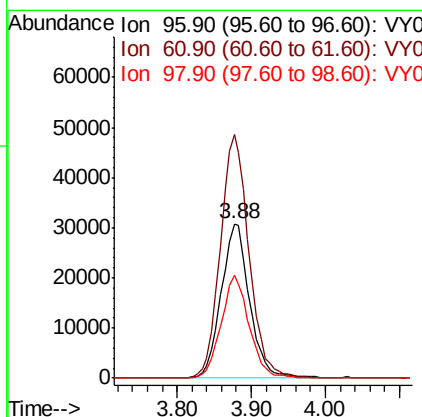
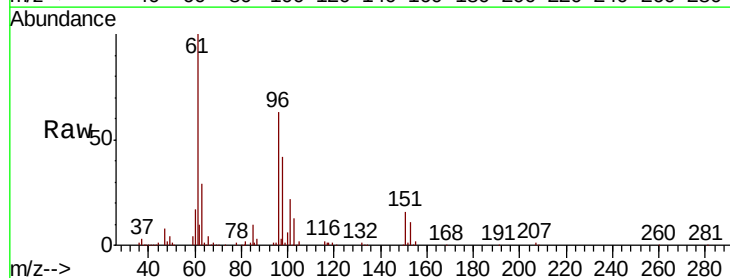
Tot Ion: 59 Resp: 50465
 Ion Ratio Lower Upper
 59 100
 57 4.2 8.0 12.0#

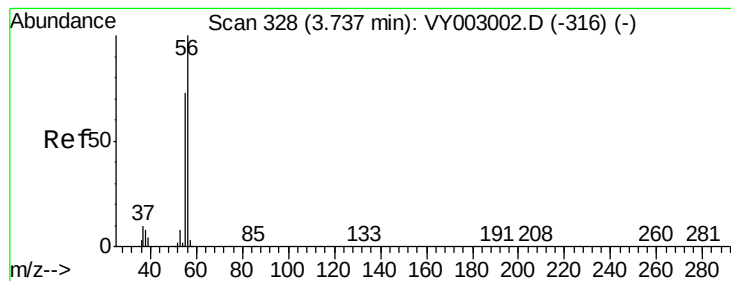


#12

1,1-Dichloroethene
 Concen: 21.179 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion: 96 Resp: 81838
 Ion Ratio Lower Upper
 96 100
 61 157.3 136.7 205.1
 98 66.1 49.7 74.5





#13

Acrolein

Concen: 88.624 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

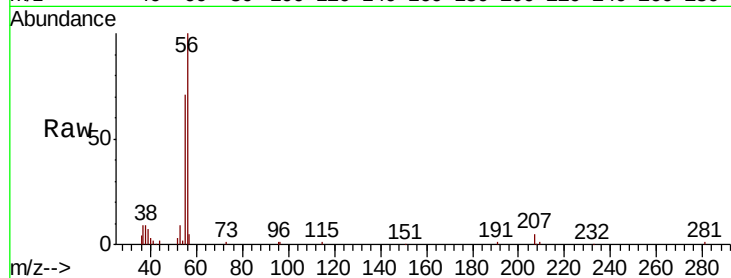
VY0706SBS01

Tot Ion: 56 Resp: 35890

Ion Ratio Lower Upper

56 100

55 68.0 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

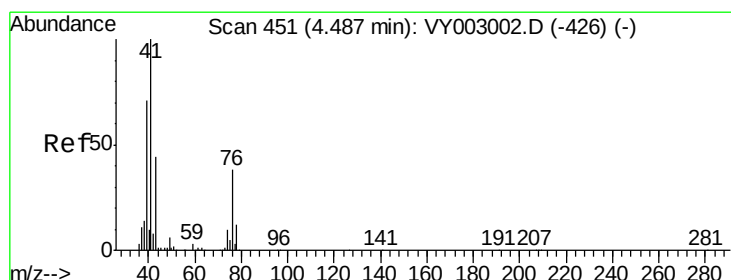
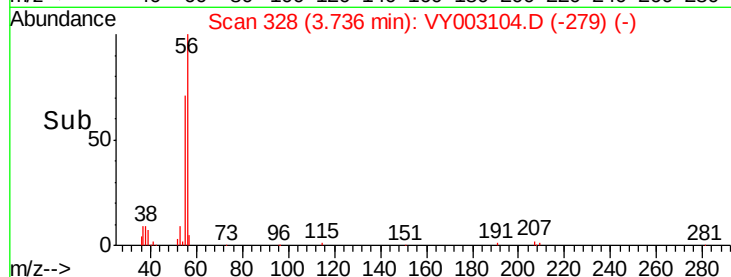
15000

10000

5000

0

Time--> 3.60 3.70 3.80



#14

Allyl chloride

Concen: 19.146 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

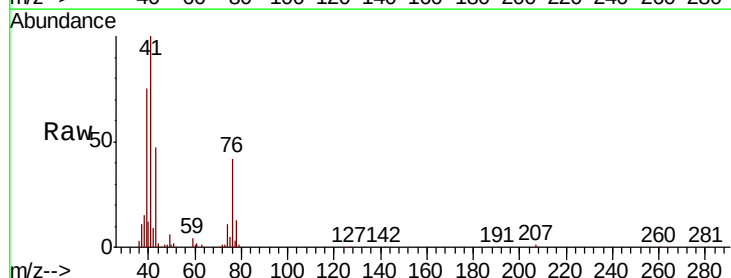
Tgt Ion: 41 Resp: 129168

Ion Ratio Lower Upper

41 100

39 71.4 55.6 83.4

76 37.0 28.6 43.0



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

80000

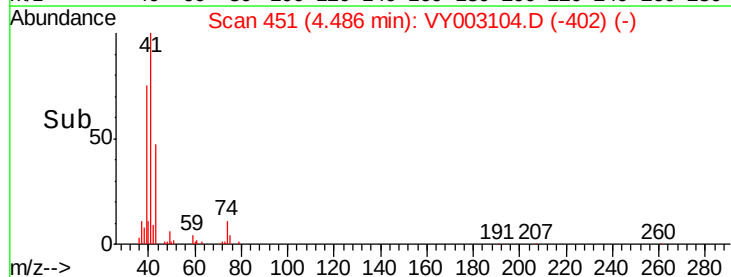
60000

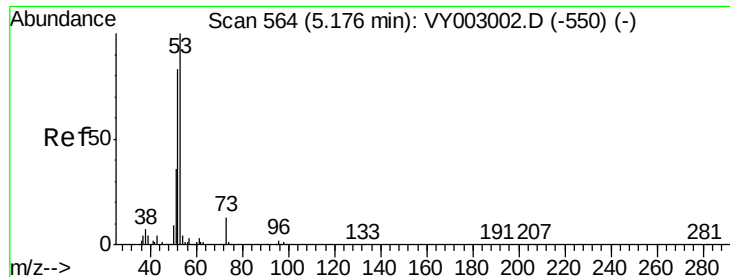
40000

20000

0

Time--> 4.40 4.60





#15

Acrylonitrile

Concen: 104.656 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0706SBS01

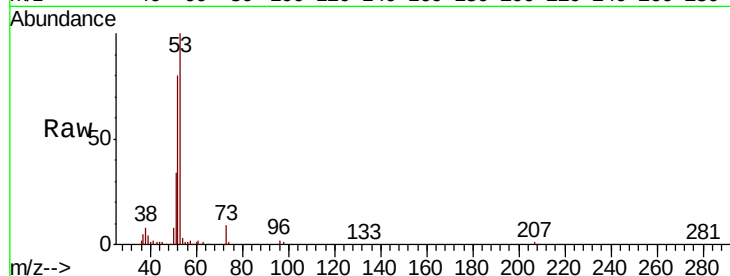
Tot Ion: 53 Resp: 125767

Ion Ratio Lower Upper

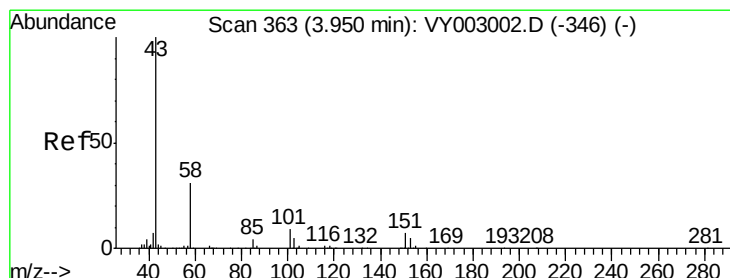
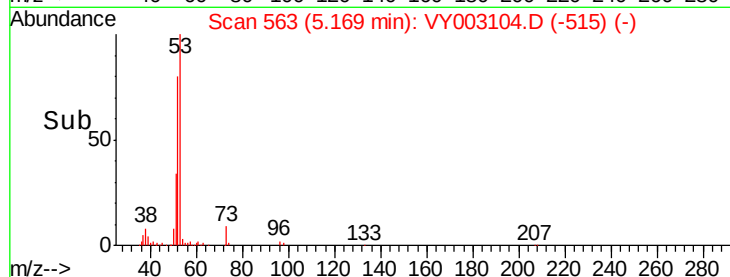
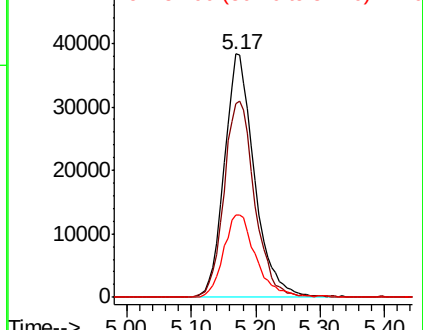
53 100

52 82.1 66.2 99.2

51 36.4 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 104.018 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003104.D

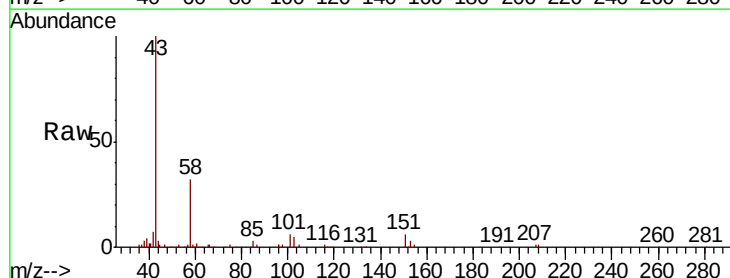
Acq: 06 Jul 2020 11:22

Tgt Ion: 43 Resp: 108541

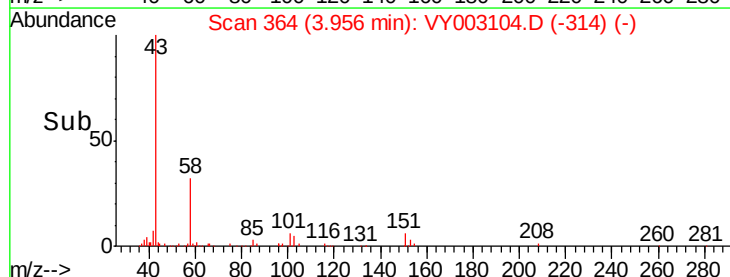
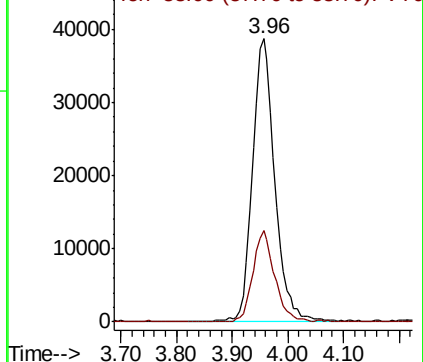
Ion Ratio Lower Upper

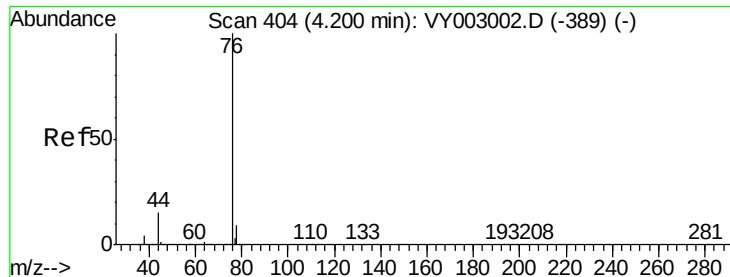
43 100

58 32.2 24.7 37.1



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





#17

Carbon Disulfide

Concen: 20.244 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

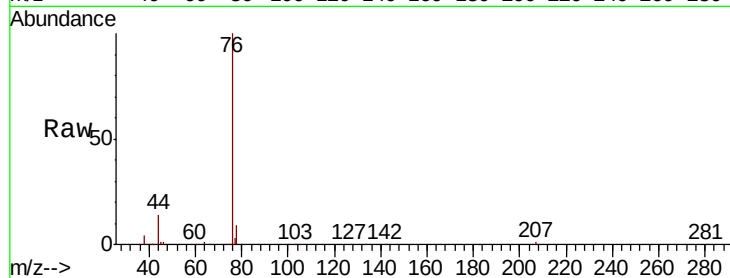
VY0706SBS01

Tot Ion: 76 Resp: 249929

Ion Ratio Lower Upper

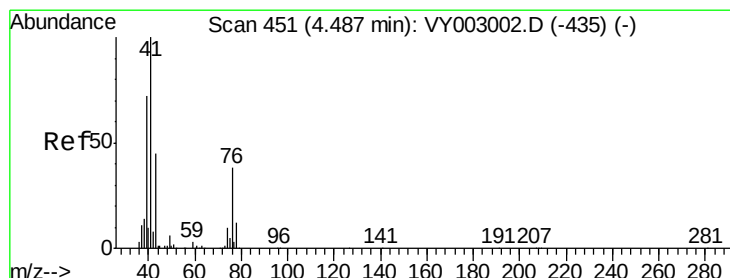
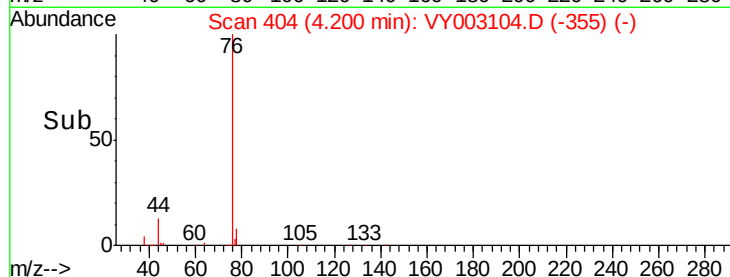
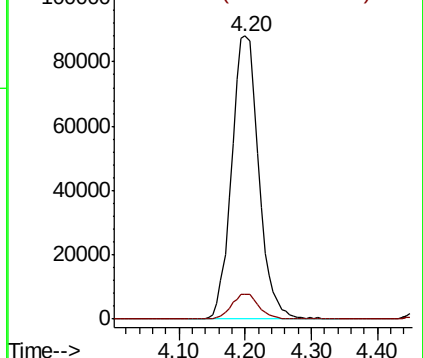
76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 20.540 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY003104.D

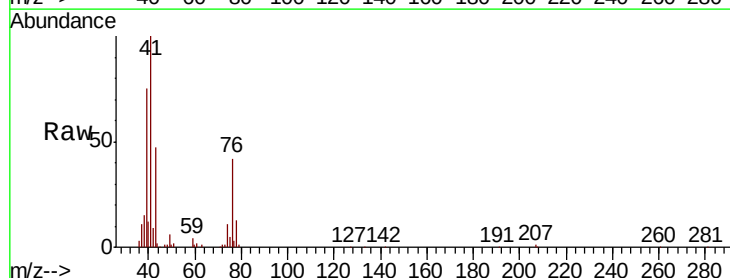
Acq: 06 Jul 2020 11:22

Tgt Ion: 43 Resp: 57744

Ion Ratio Lower Upper

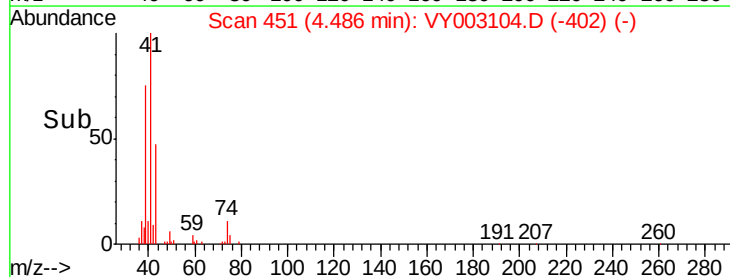
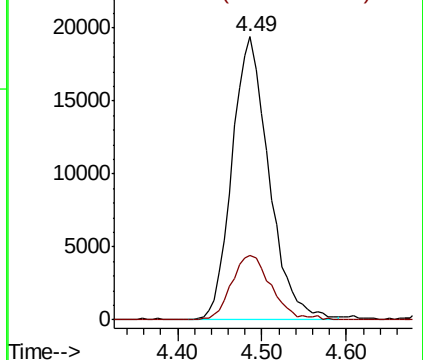
43 100

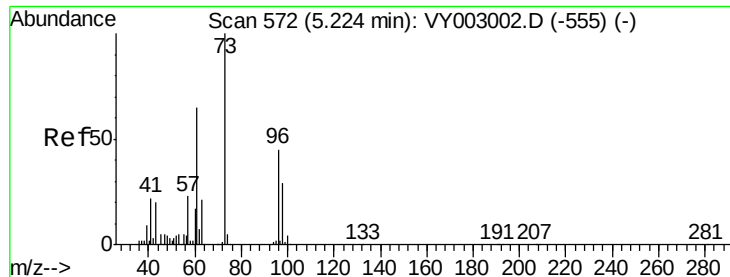
74 24.4 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

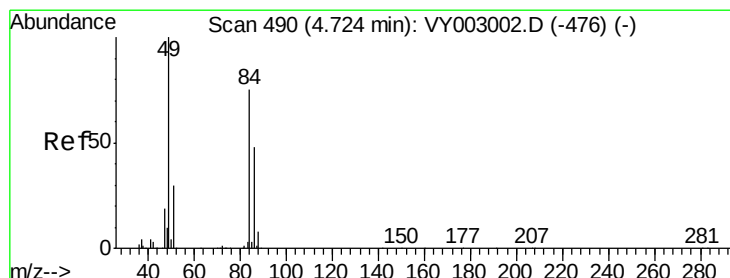
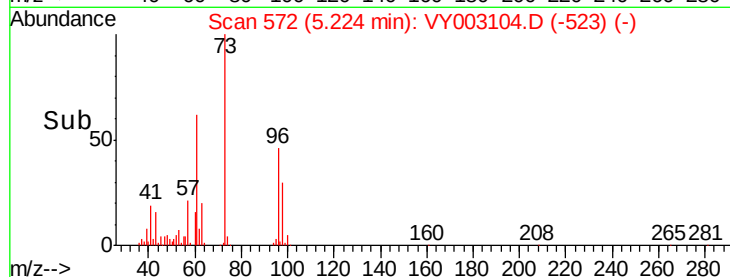
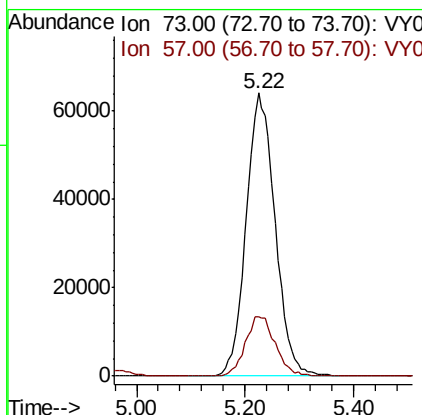
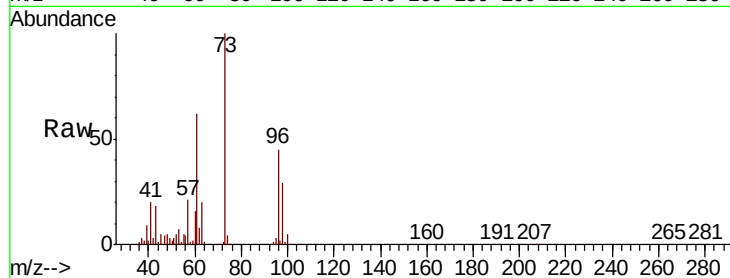




#19
Methyl tert-butyl Ether
Concen: 21.006 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

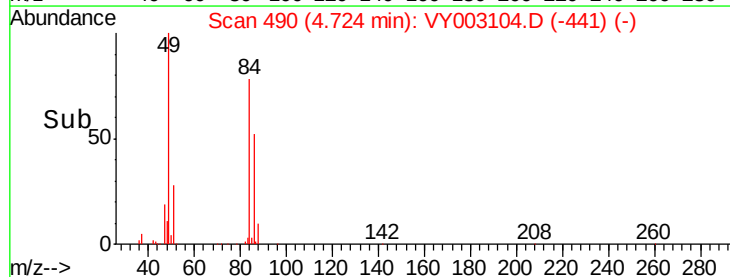
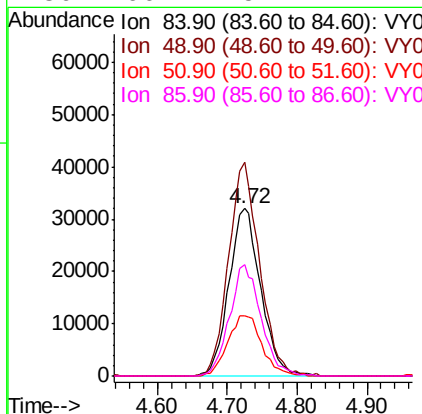
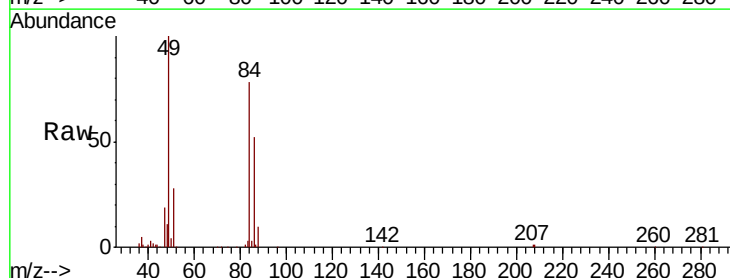
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

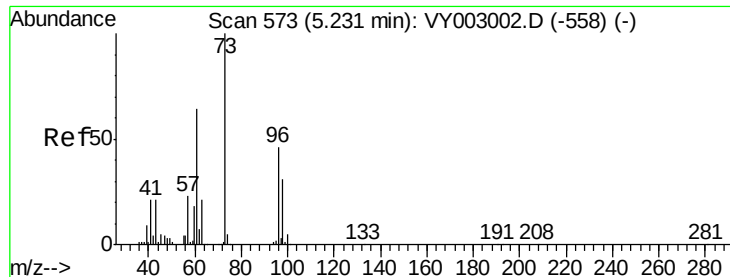
Tot Ion: 73 Resp: 236606
Ion Ratio Lower Upper
73 100
57 21.1 18.2 27.2



#20
Methylene Chloride
Concen: 17.138 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion: 84 Resp: 101137
Ion Ratio Lower Upper
84 100
49 127.5 106.8 160.2
51 35.6 32.0 48.0
86 66.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.862 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0706SBS01

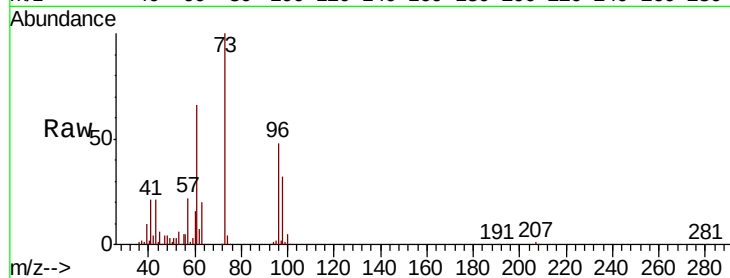
Tot Ion: 96 Resp: 91183

Ion Ratio Lower Upper

96 100

61 136.9 112.3 168.5

98 66.8 53.8 80.8

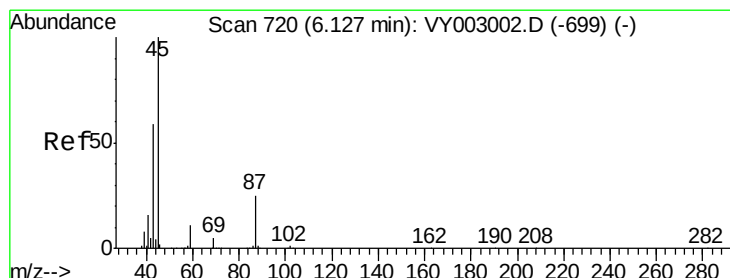
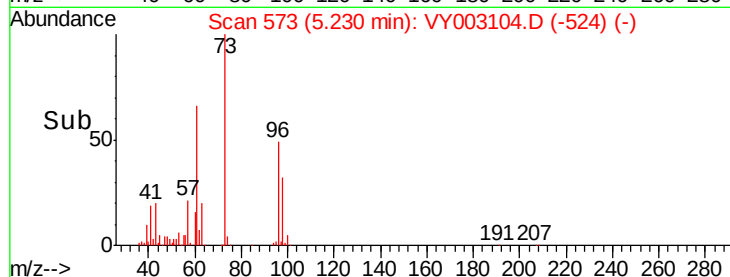
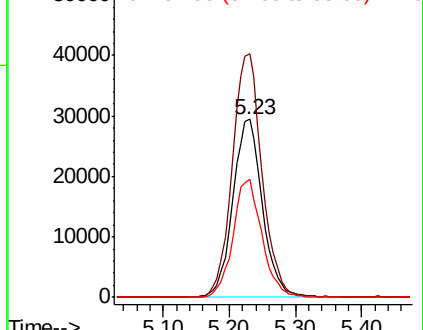


Abundance

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: 19.836 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Tgt Ion: 45 Resp: 286833

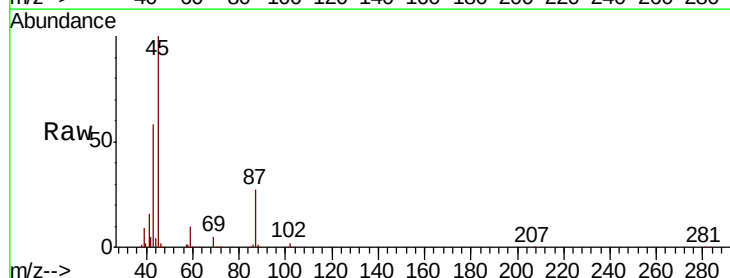
Ion Ratio Lower Upper

45 100

43 57.1 47.4 71.2

87 27.0 20.2 30.2

59 10.4 9.2 13.8



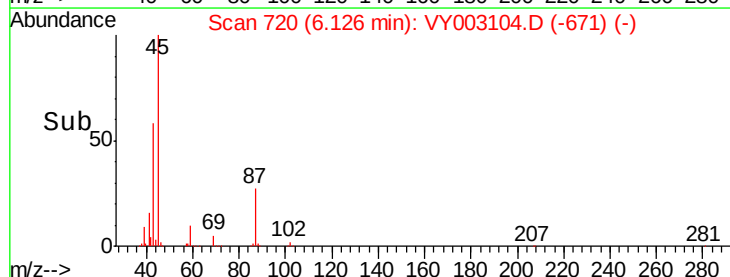
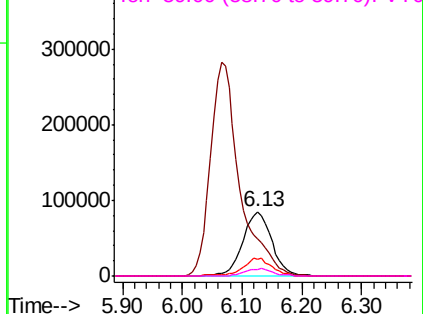
Abundance

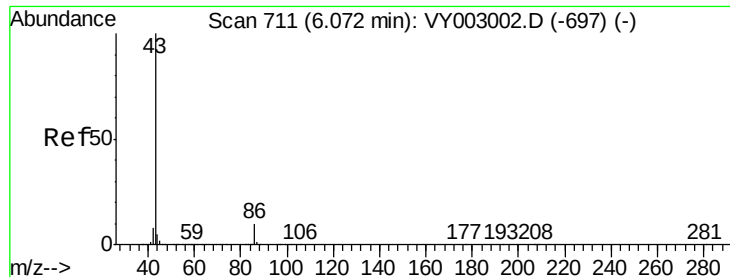
Ion 45.00 (44.70 to 45.70): VY0

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

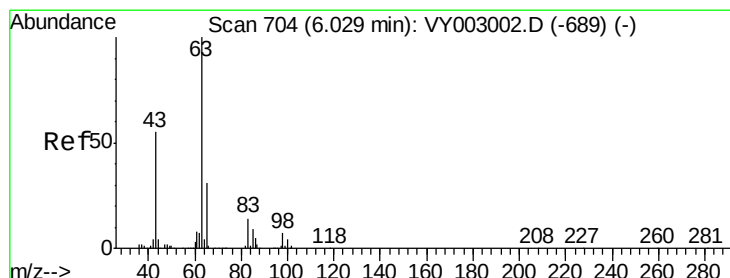
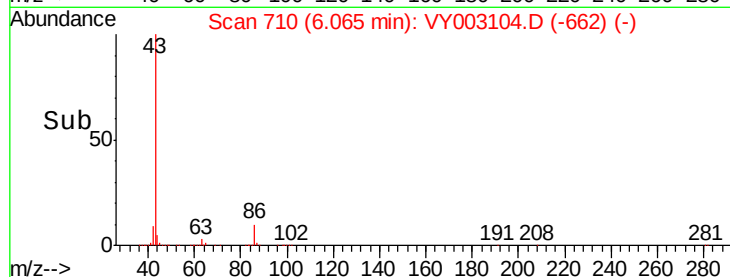
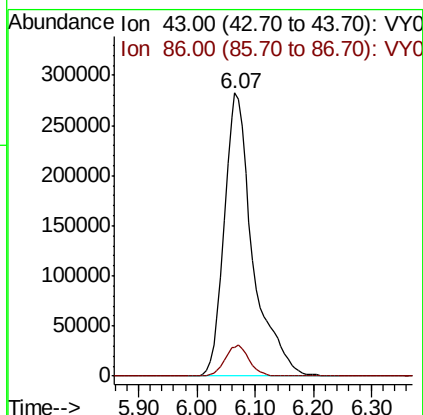
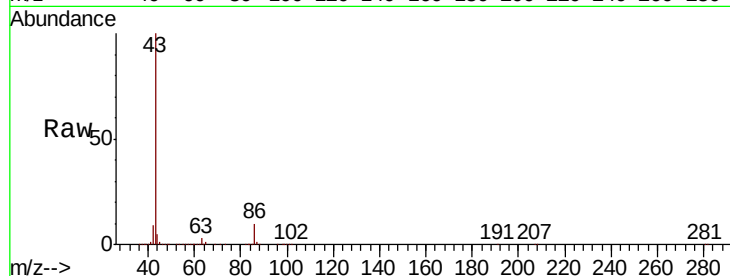




#23
 Vinyl Acetate
 Concen: 99.110 ug/l
 RT: 6.07 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

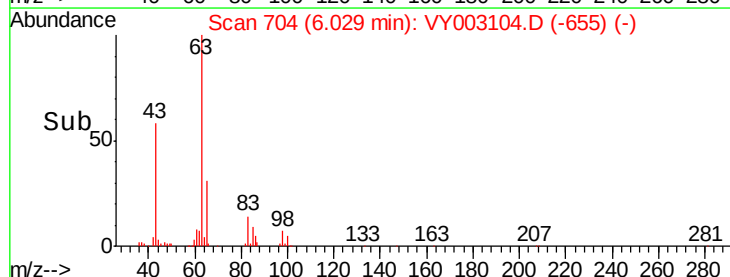
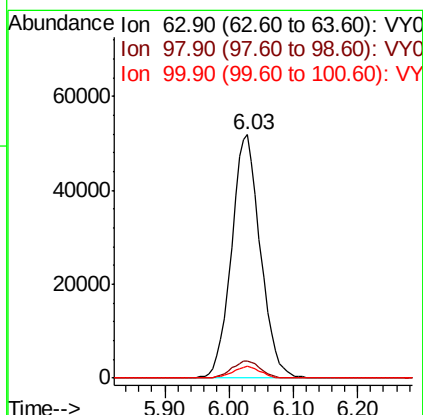
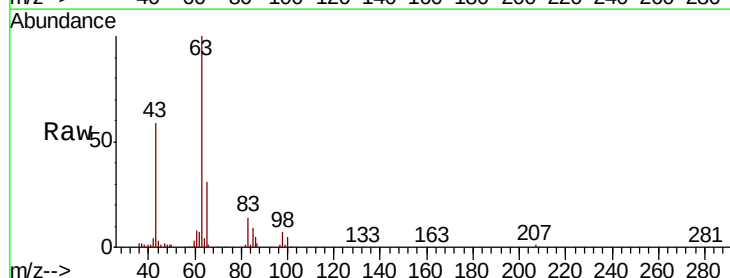
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

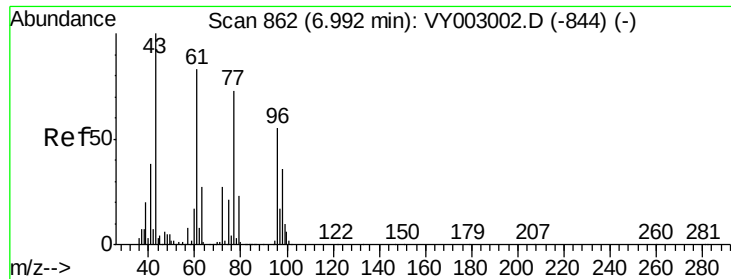
Tot Ion: 43 Resp: 958146
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.427 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion: 63 Resp: 161352
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.7 2.3 6.8





#25

2-Butanone

Concen: 103.237 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

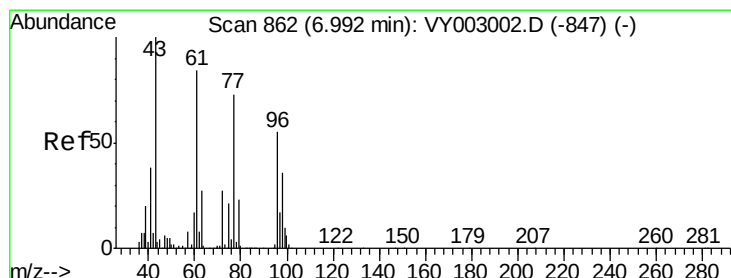
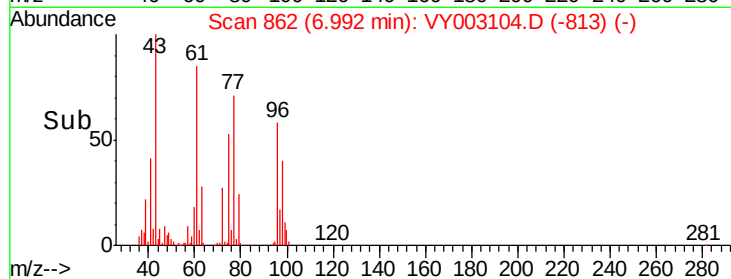
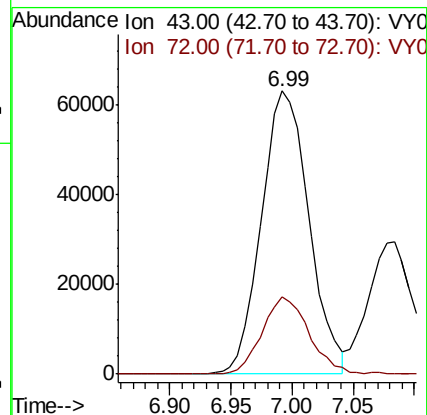
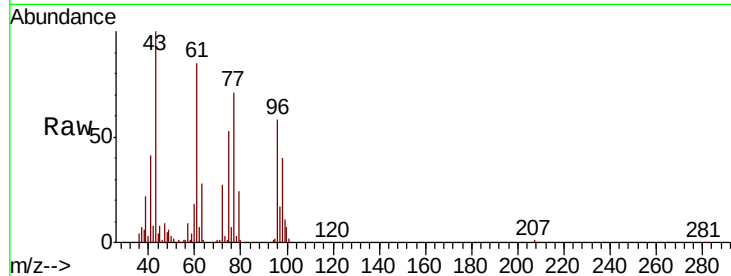
VY0706SBS01

Tot Ion: 43 Resp: 171123

Ion Ratio Lower Upper

43 100

72 27.3 21.4 32.0



#26

2,2-Dichloropropane

Concen: 20.784 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003104.D

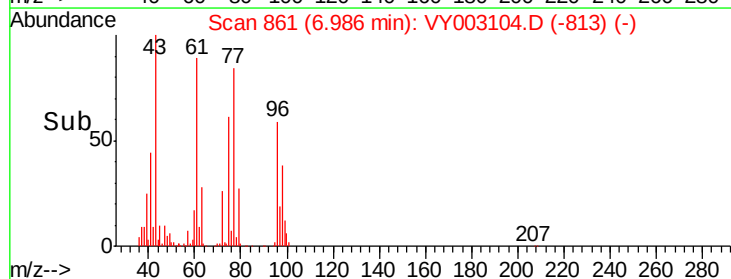
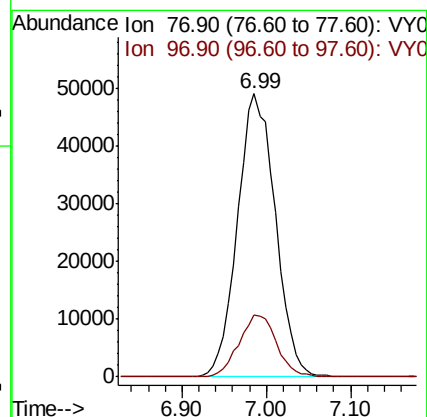
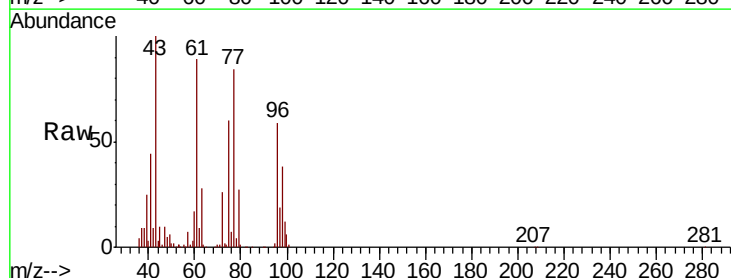
Acq: 06 Jul 2020 11:22

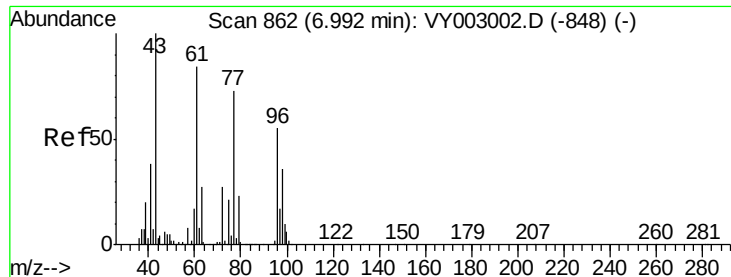
Tgt Ion: 77 Resp: 149155

Ion Ratio Lower Upper

77 100

97 21.8 11.3 33.9

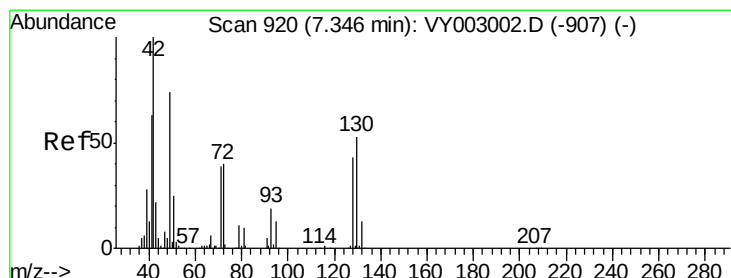
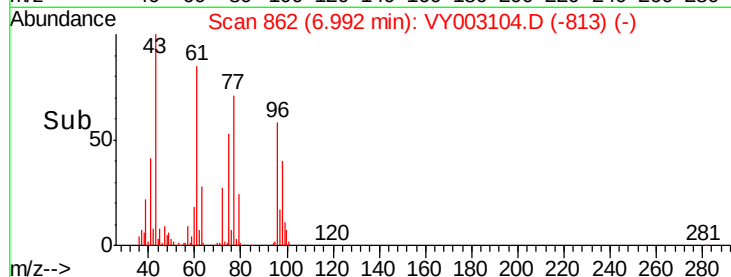
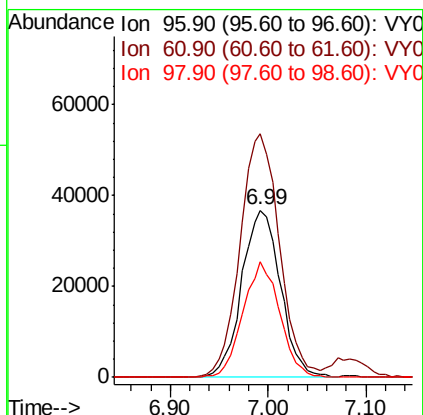
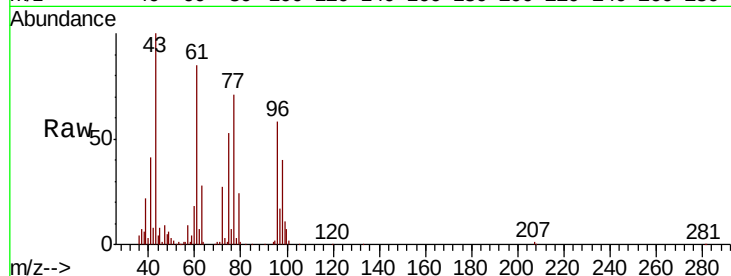




#27
 cis-1,2-Dichloroethene
 Concen: 20.727 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

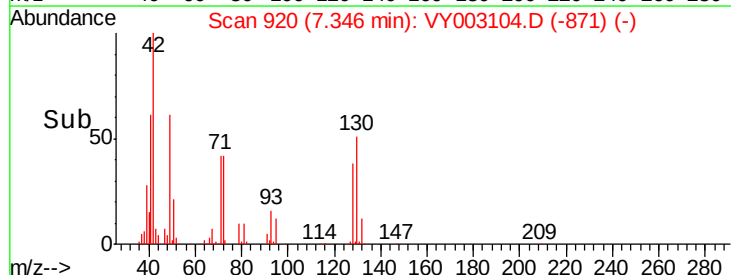
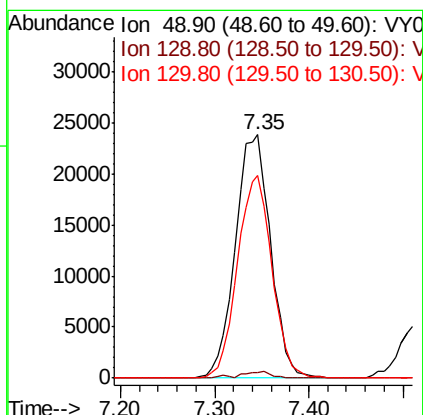
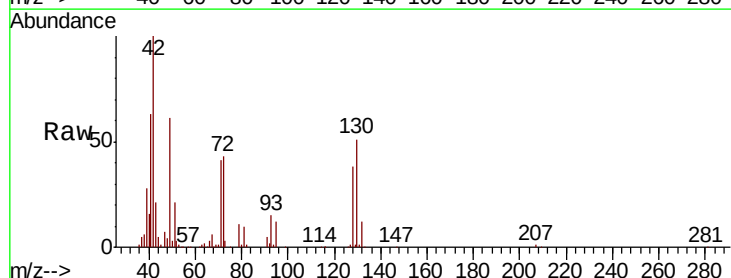
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

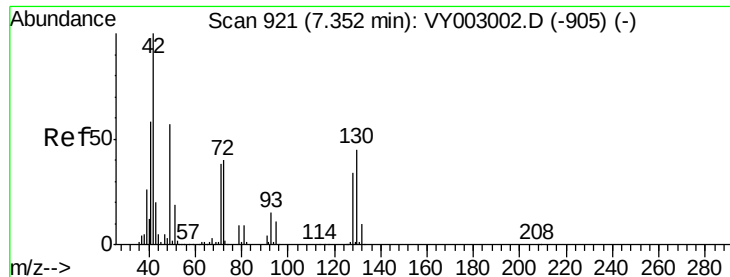
Tot Ion: 96 Resp: 101614
 Ion Ratio Lower Upper
 96 100
 61 148.4 0.0 301.2
 98 65.8 0.0 129.0



#28
 Bromochloromethane
 Concen: 17.748 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion: 49 Resp: 62378
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.4
 130 81.4 57.0 85.6





#29

Tetrahydrofuran

Concen: 102.647 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampled :

VY0706SBS01

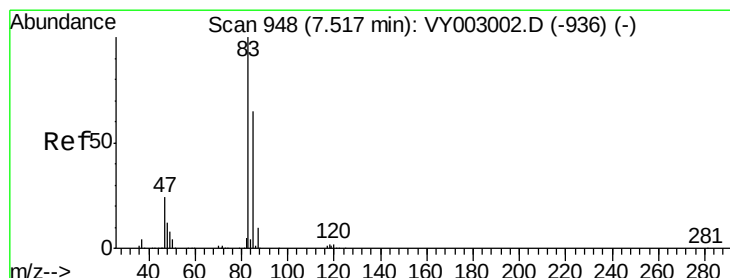
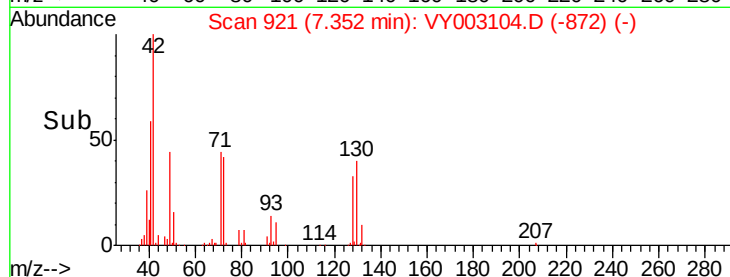
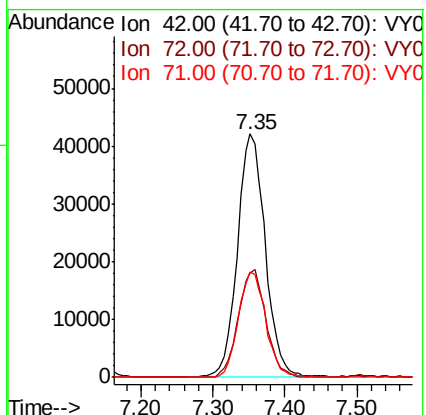
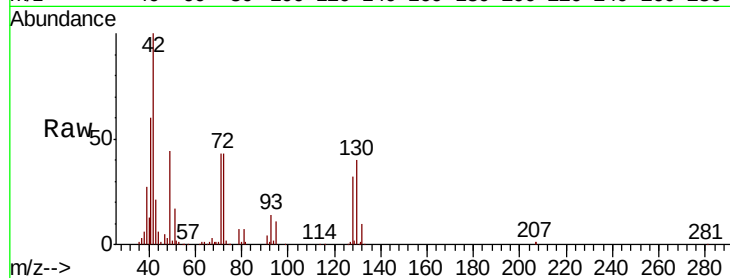
Tot Ion: 42 Resp: 113147

Ion Ratio Lower Upper

42 100

72 43.9 32.9 49.3

71 42.4 31.2 46.8



#30

Chloroform

Concen: 20.930 ug/l

RT: 7.51 min Scan# 947

Delta R.T. -0.01 min

Lab File: VY003104.D

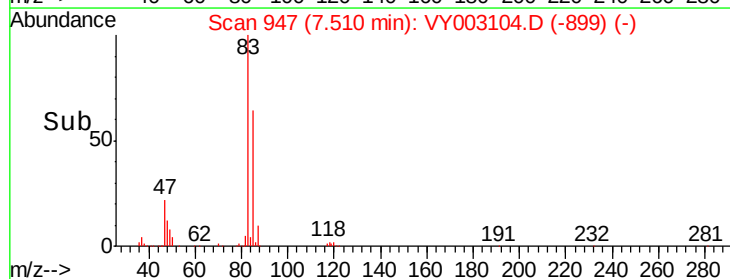
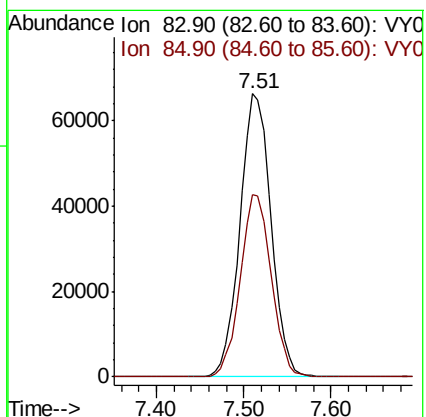
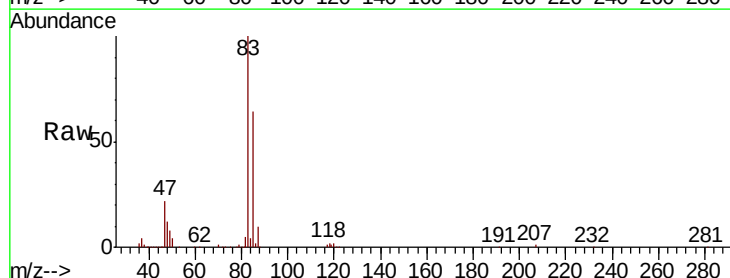
Acq: 06 Jul 2020 11:22

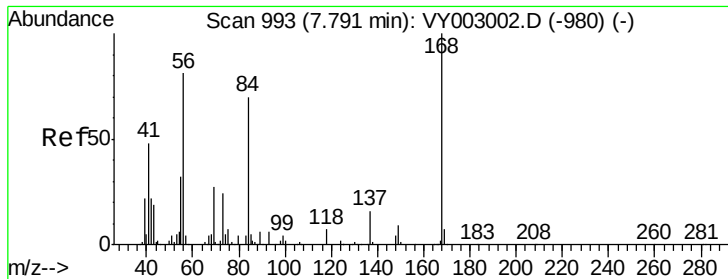
Tgt Ion: 83 Resp: 163786

Ion Ratio Lower Upper

83 100

85 64.4 51.7 77.5

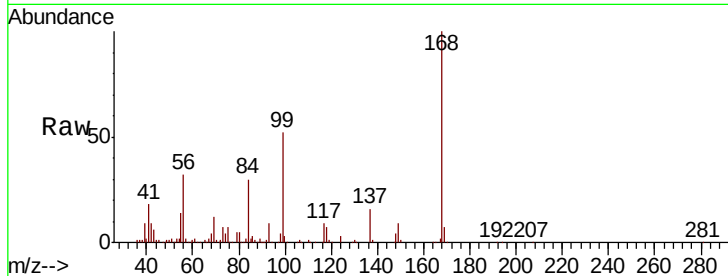




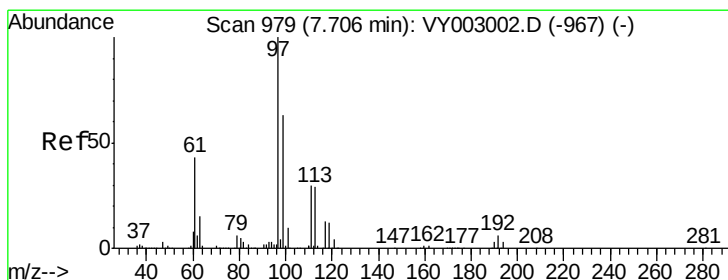
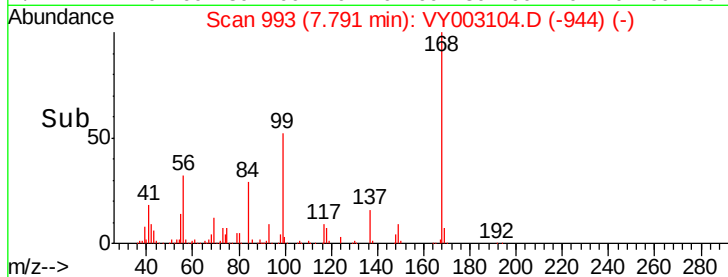
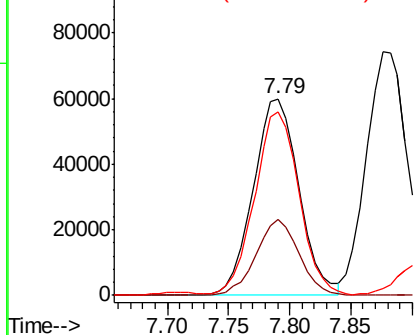
#31
Cyclohexane
Concen: 20.052 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

Tot Ion: 56 Resp: 156034
Ion Ratio Lower Upper
56 100
69 38.5 27.0 40.4
84 91.8 68.1 102.1

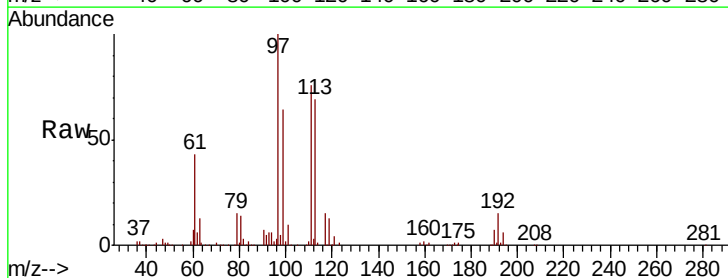


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

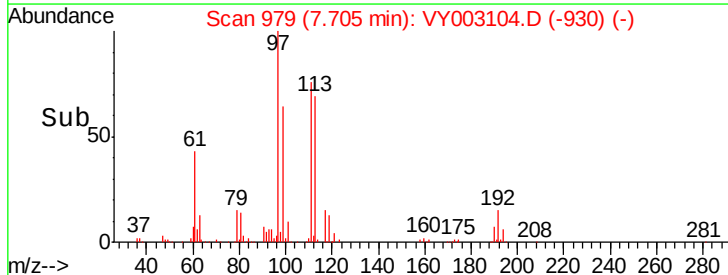
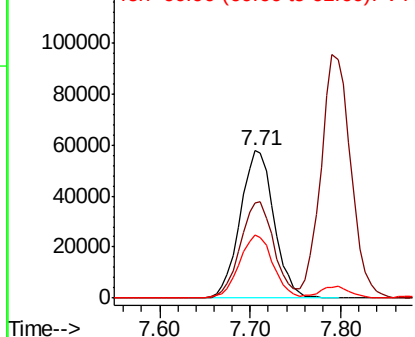


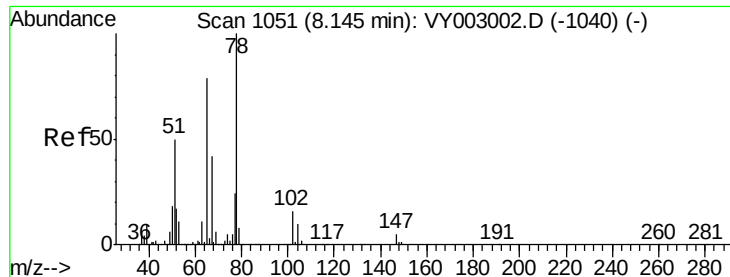
#32
1,1,1-Trichloroethane
Concen: 20.977 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion: 97 Resp: 149837
Ion Ratio Lower Upper
97 100
99 65.2 51.4 77.2
61 42.5 33.9 50.9



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

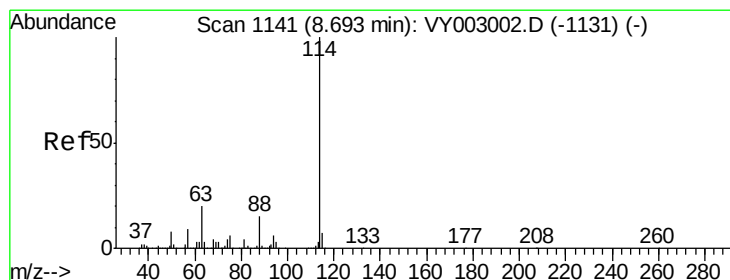
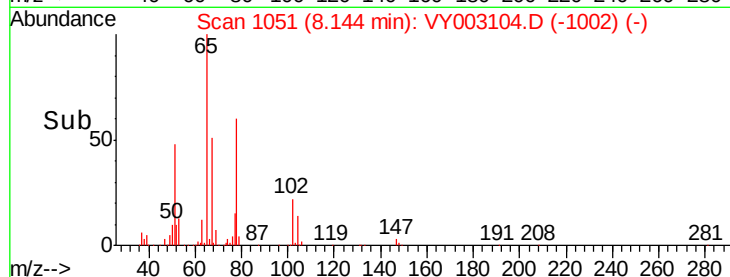
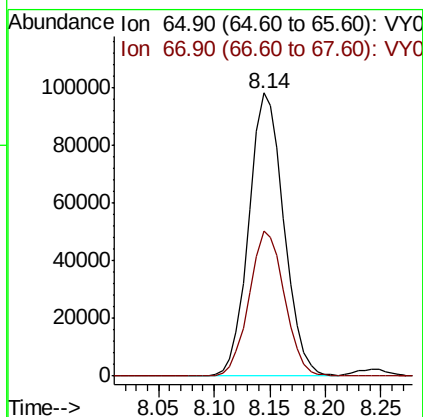
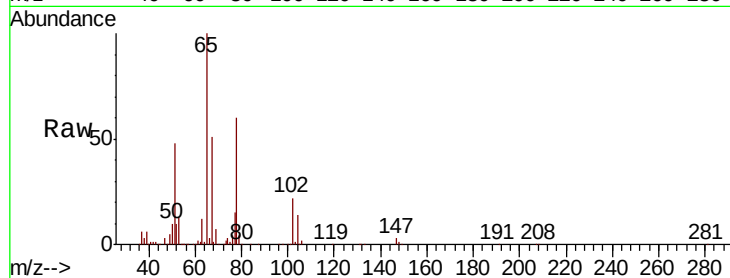




#33
 1,2-Dichloroethane-d4
 Concen: 48.697 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

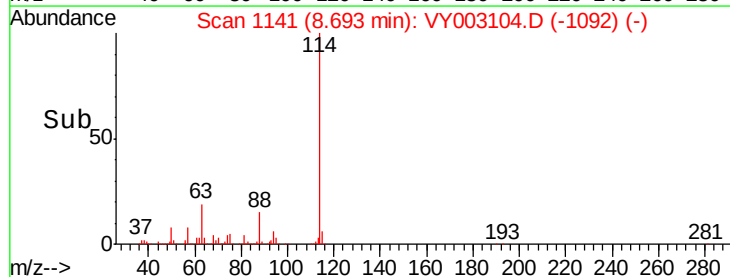
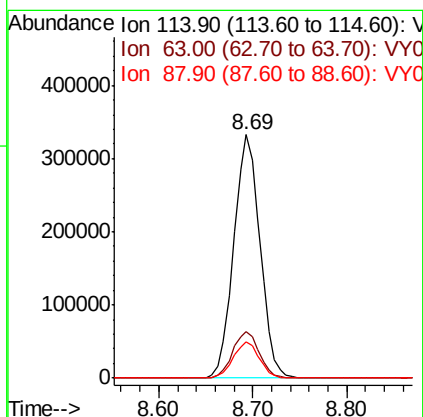
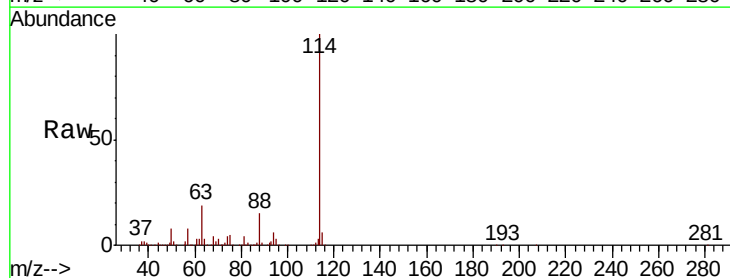
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

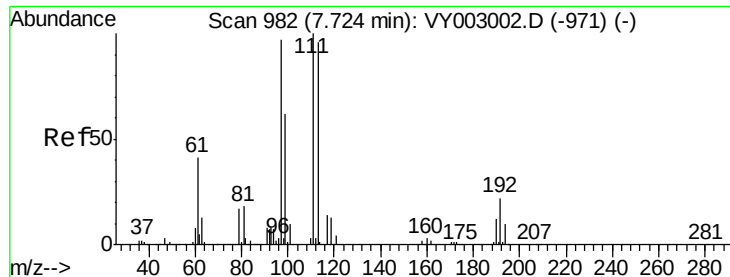
Tot Ion: 65 Resp: 215454
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion:114 Resp: 643741
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.6
 88 14.8 0.0 30.0

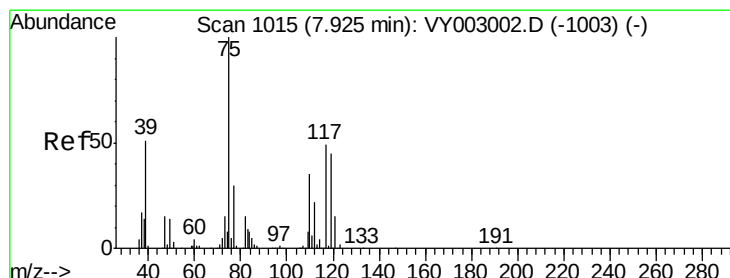
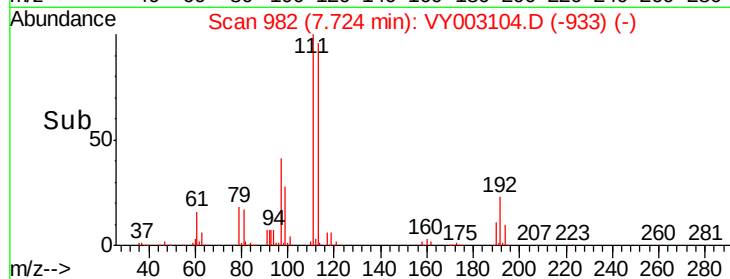
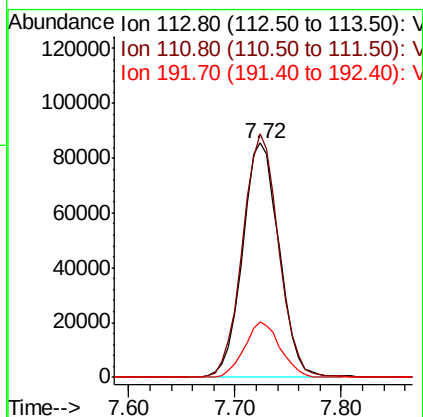
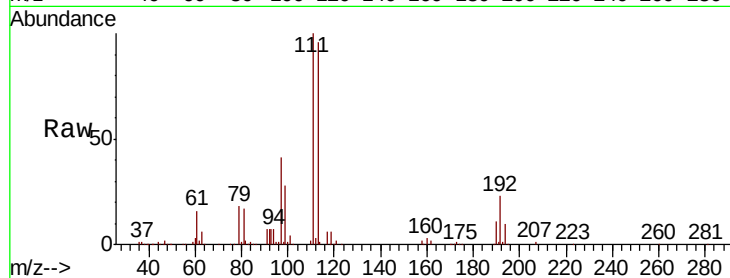




#35
 Dibromofluoromethane
 Concen: 51.341 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

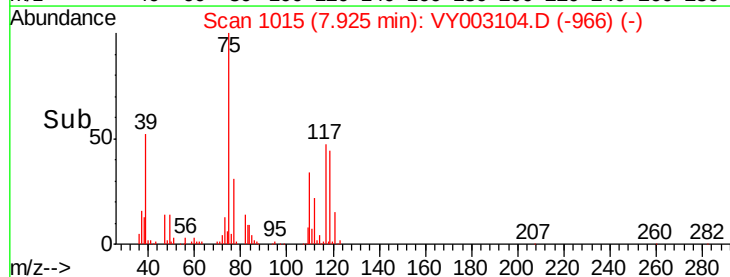
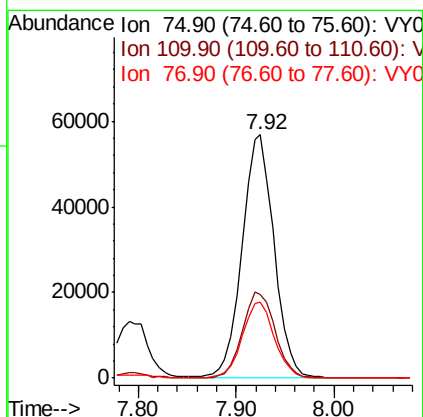
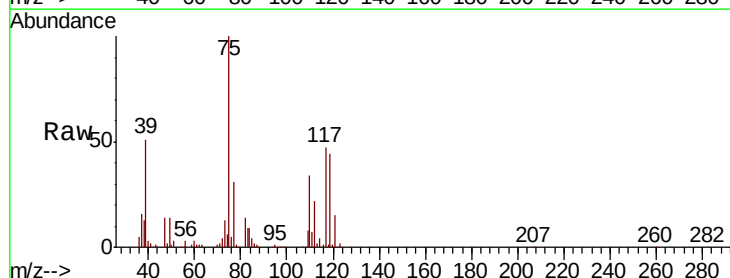
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

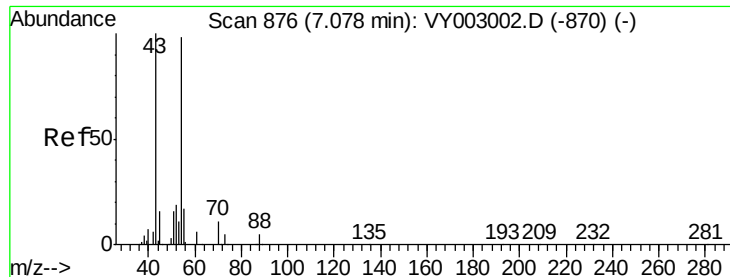
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	23.2	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 20.817 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.1	51.2
77	31.4	24.9	37.3

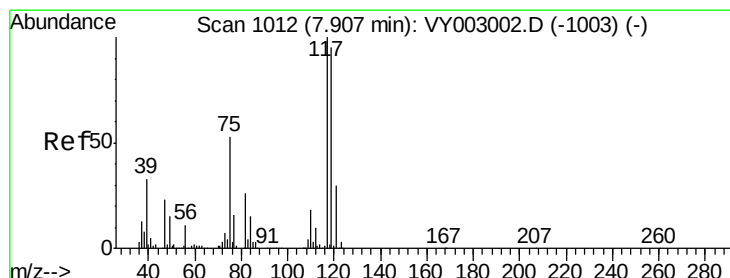
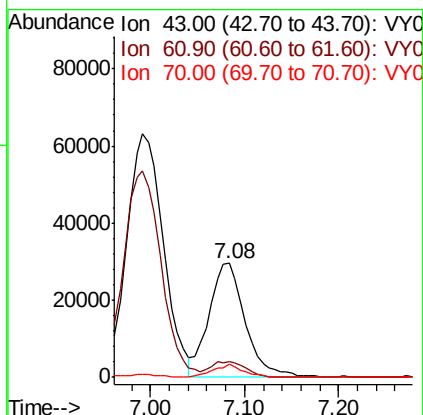
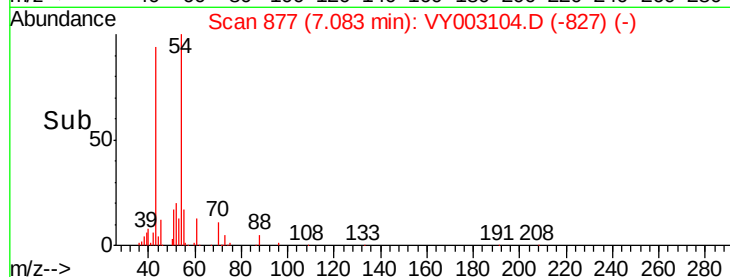
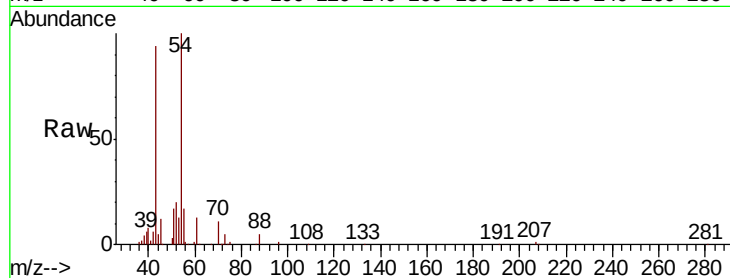




#37
Ethyl Acetate
Concen: 21.135 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

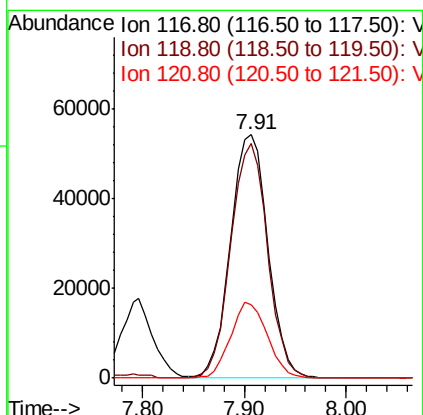
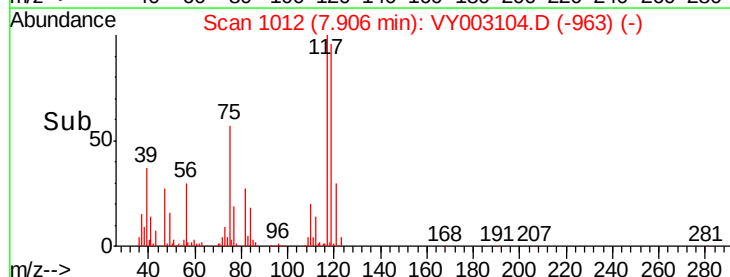
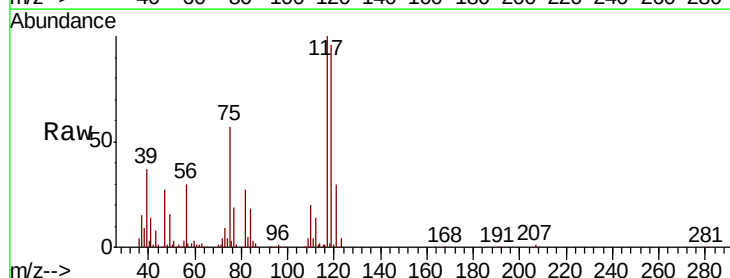
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

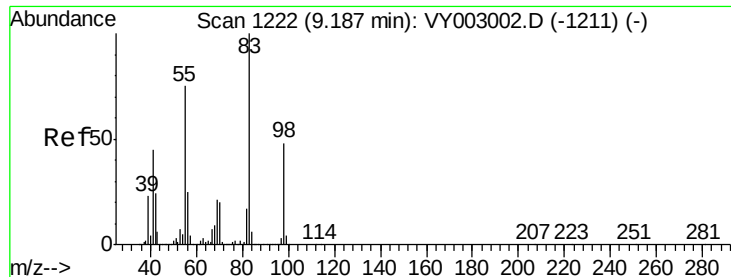
Tot Ion: 43 Resp: 78798
Ion Ratio Lower Upper
43 100
61 13.7 10.4 15.6
70 9.9 7.7 11.5



#38
Carbon Tetrachloride
Concen: 21.406 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion: 117 Resp: 138098
Ion Ratio Lower Upper
117 100
119 96.4 75.7 113.5
121 30.2 23.9 35.9

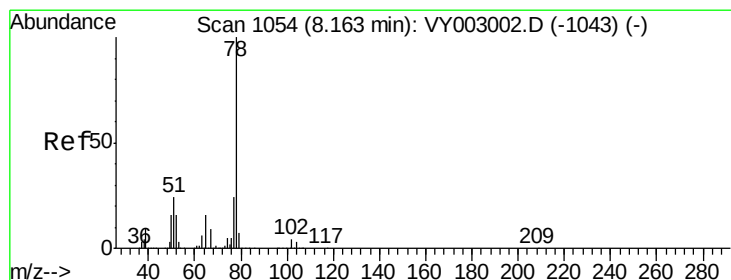
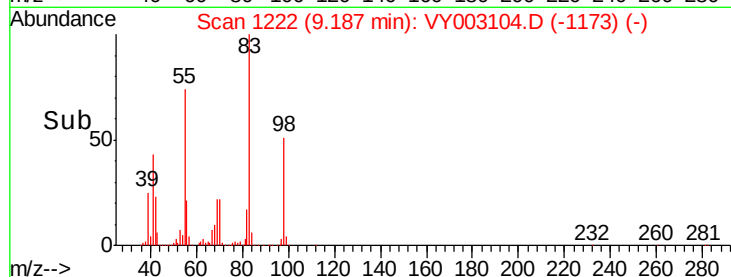
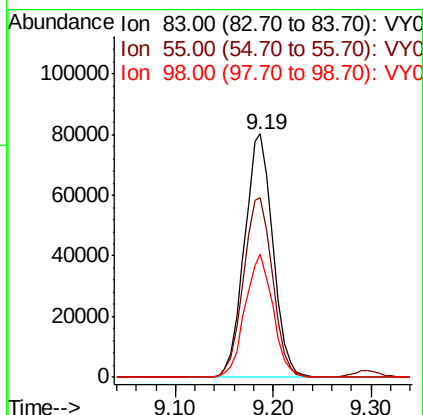
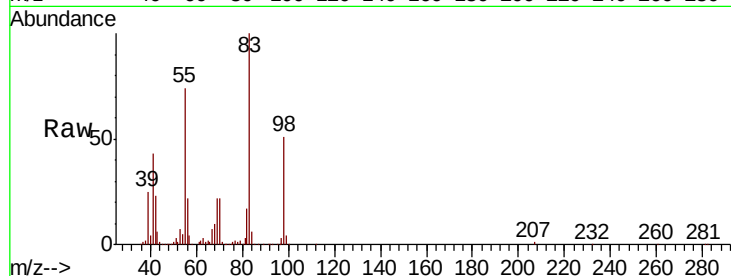




#39
Methylvlcyclohexane
Concen: 20.968 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

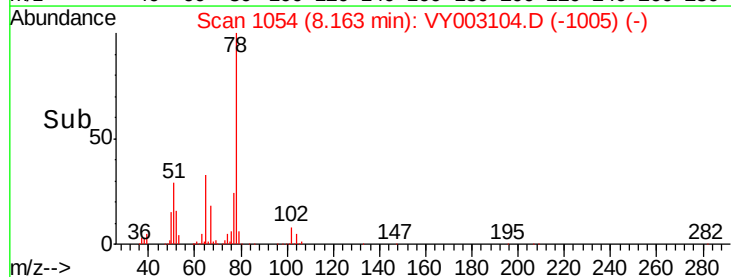
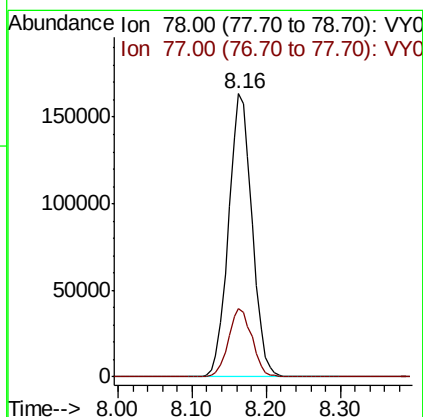
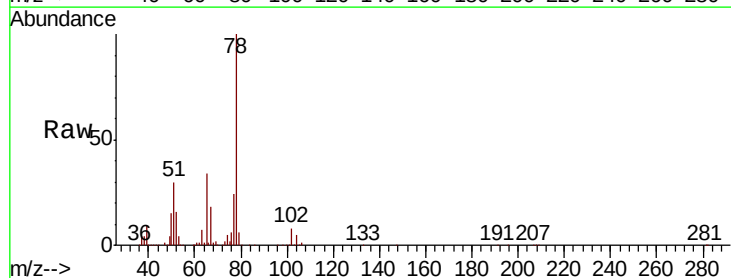
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

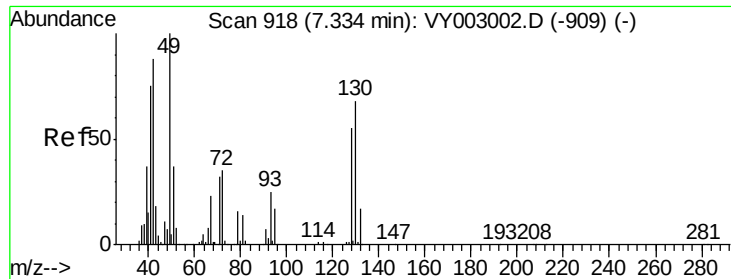
Tot Ion: 83 Resp: 161200
Ion Ratio Lower Upper
83 100
55 73.9 59.9 89.9
98 50.5 38.7 58.1



#40
Benzene
Concen: 21.224 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion: 78 Resp: 360306
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8

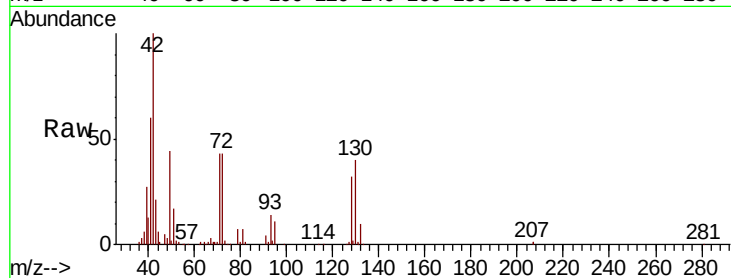




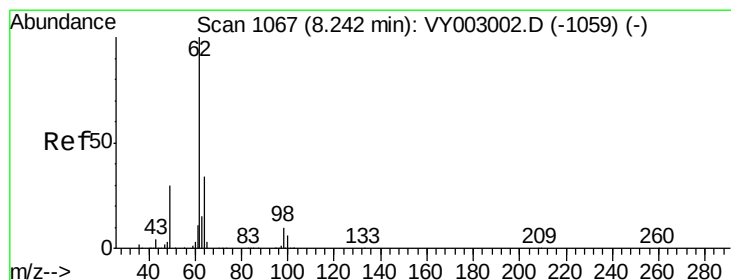
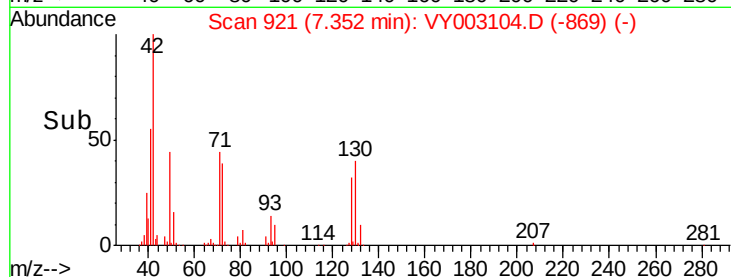
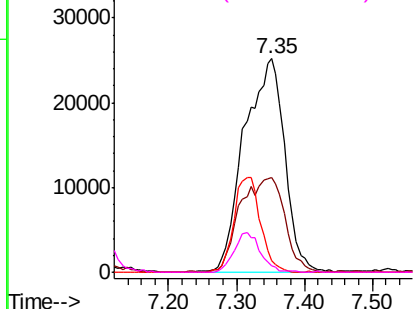
#41
Methacrylonitrile
Concen: 52.278 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.02 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

Tot Ion:	41	Resp:	104115
Ion	Ratio	Lower	Upper
41	100		
39	48.9	85.7	128.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

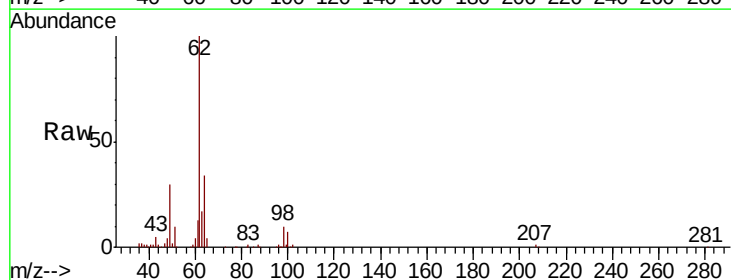


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

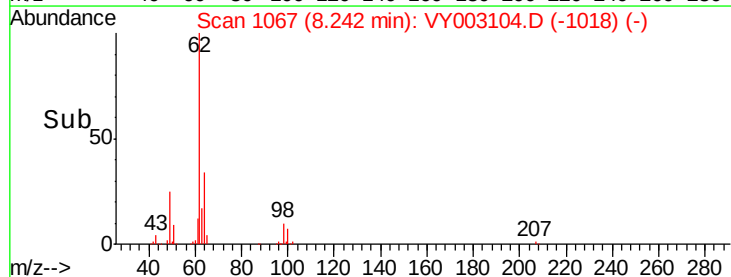
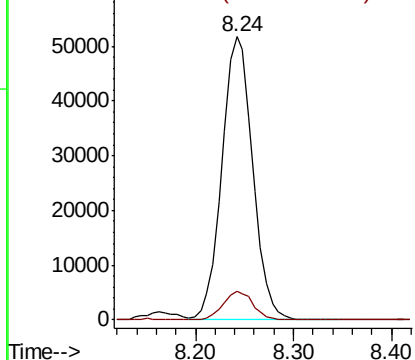


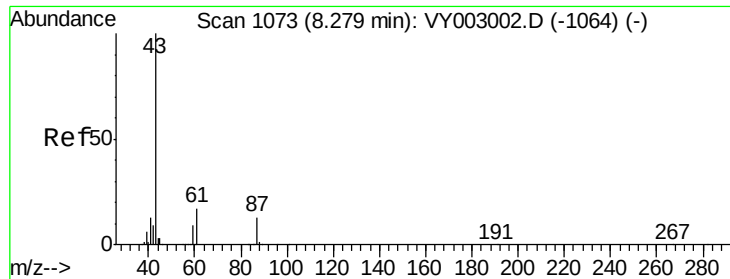
#42
1,2-Dichloroethane
Concen: 20.996 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion:	62	Resp:	112757
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.2



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





#43

Isopropyl Acetate

Concen: 20.065 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0706SBS01

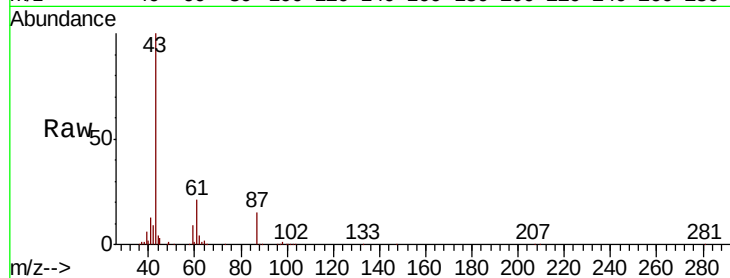
Tot Ion: 43 Resp: 142211

Ion Ratio Lower Upper

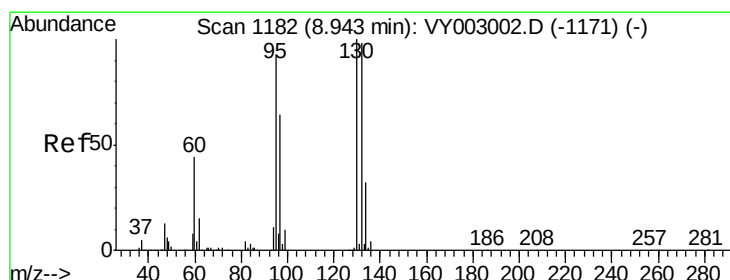
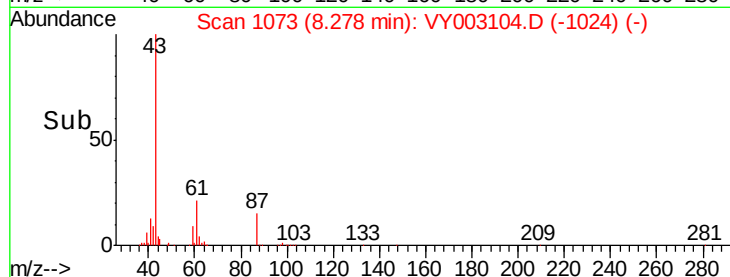
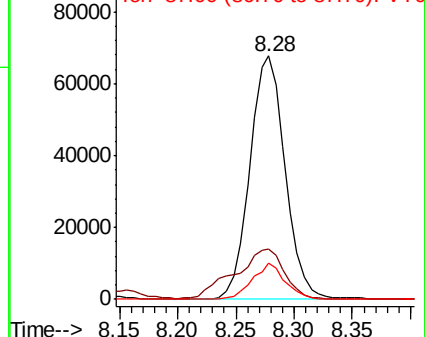
43 100

61 29.2 21.8 32.6

87 14.0 10.1 15.1



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: 21.987 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY003104.D

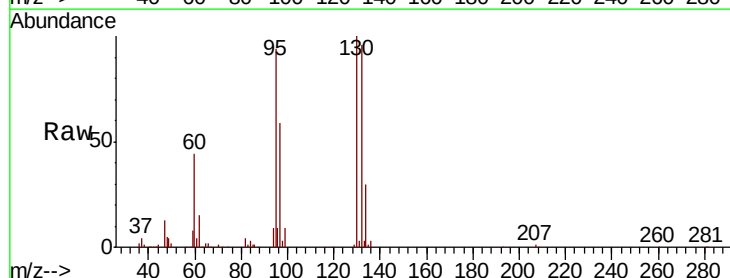
Acq: 06 Jul 2020 11:22

Tgt Ion:130 Resp: 108488

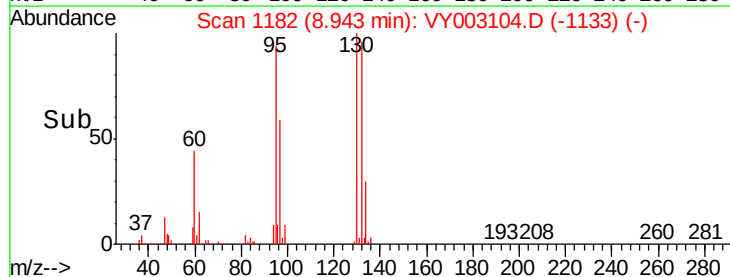
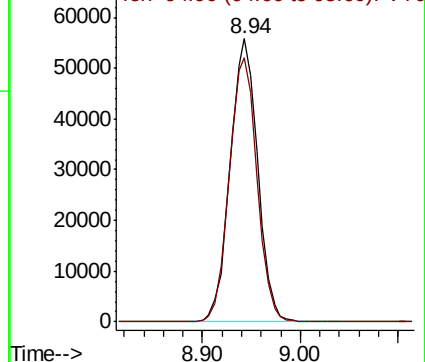
Ion Ratio Lower Upper

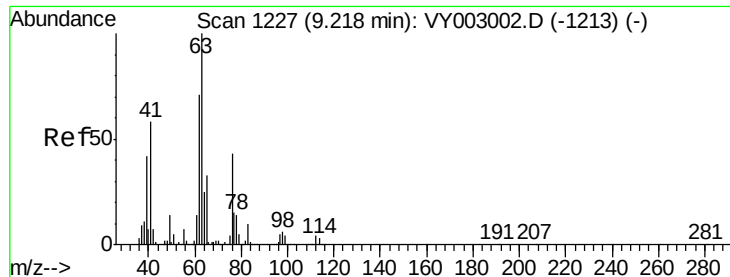
130 100

95 93.5 0.0 186.4



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

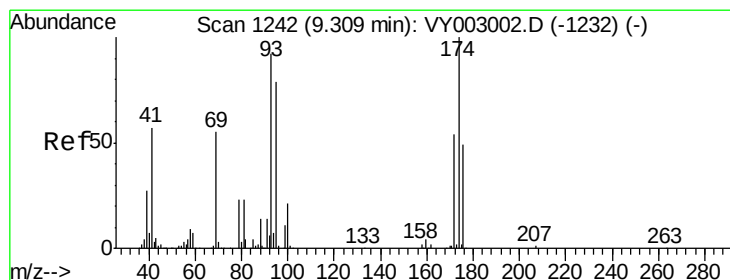
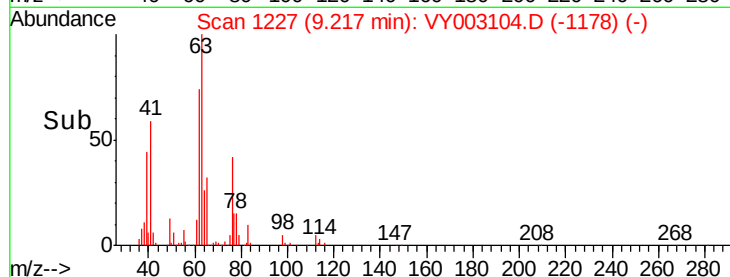
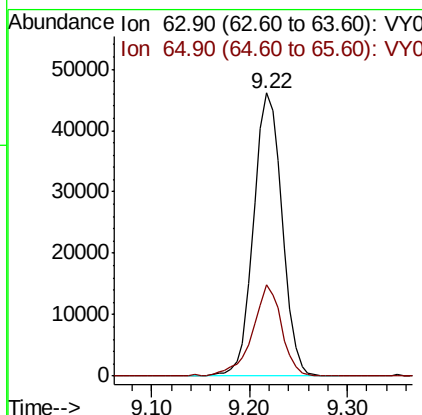
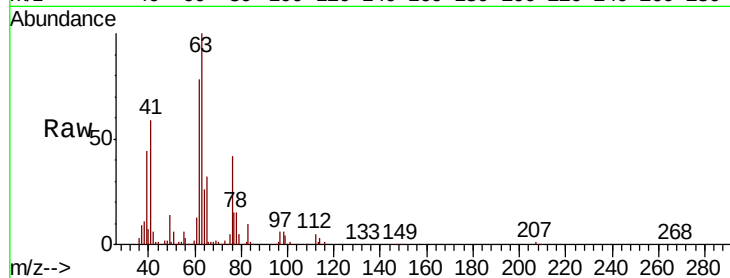




#45
 1,2-Dichloropropane
 Concen: 20.603 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

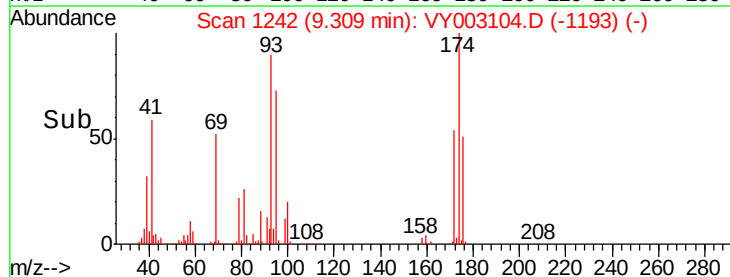
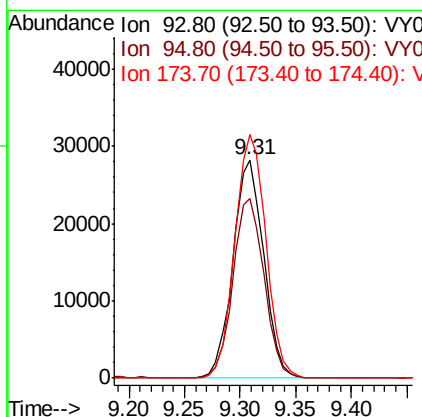
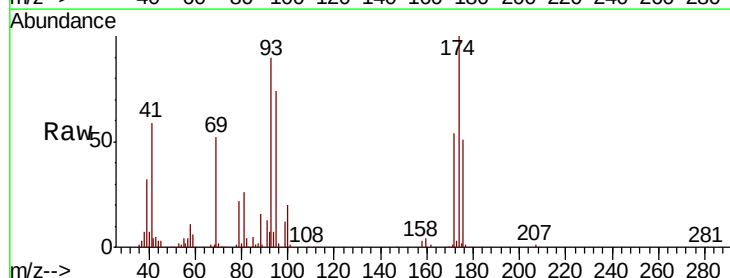
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

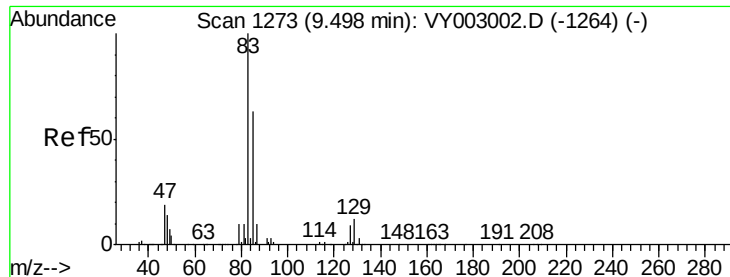
Tot Ion: 63 Resp: 94098
 Ion Ratio Lower Upper
 63 100
 65 32.2 26.2 39.4



#46
 Dibromomethane
 Concen: 21.154 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion: 93 Resp: 53960
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.6 101.4
 174 113.0 88.3 132.5





#47

Bromodichloromethane

Concen: 21.175 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0706SBS01

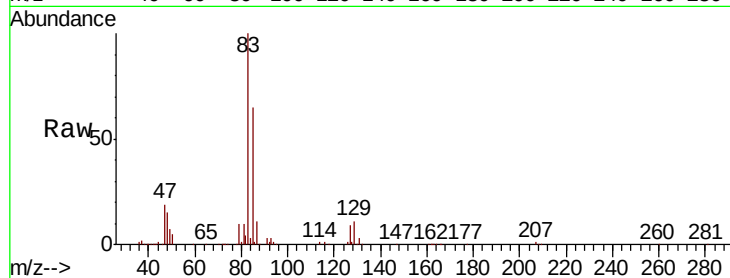
Tot Ion: 83 Resp: 132261

Ion Ratio Lower Upper

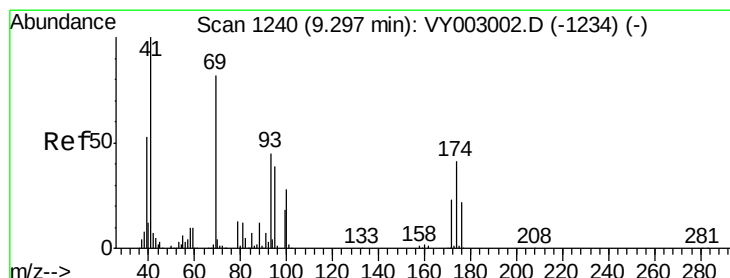
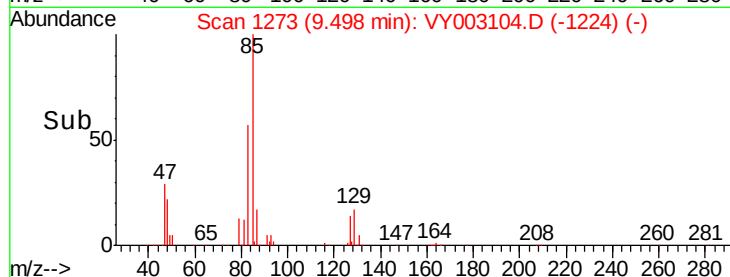
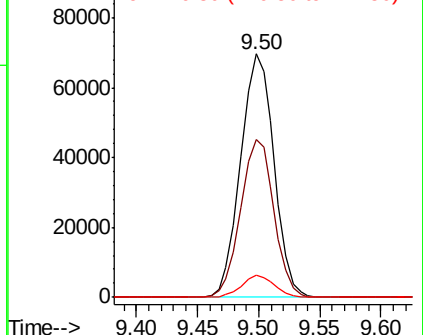
83 100

85 64.9 50.5 75.7

127 8.9 7.0 10.4



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): V



#48

Methyl methacrylate

Concen: 20.004 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

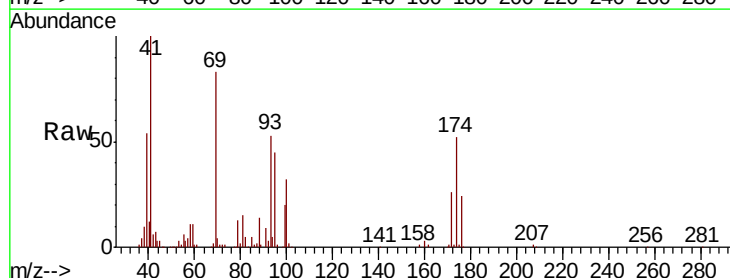
Tgt Ion: 41 Resp: 64534

Ion Ratio Lower Upper

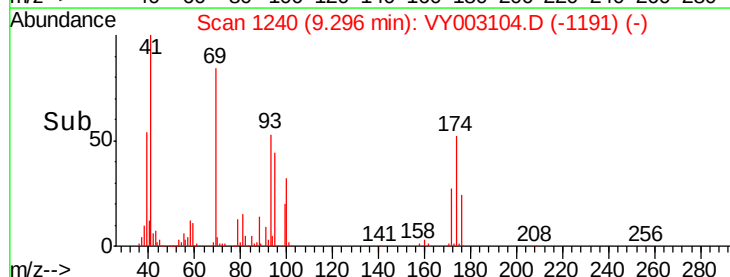
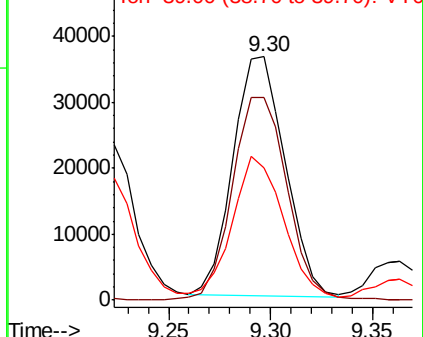
41 100

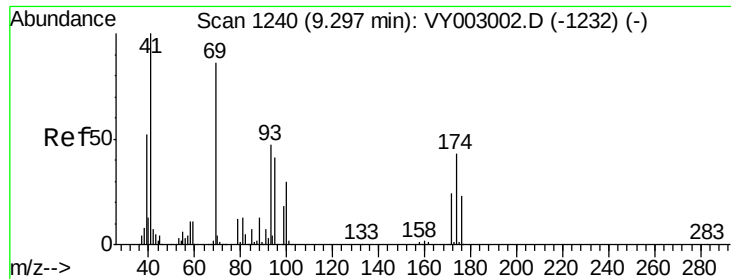
69 89.4 67.7 101.5

39 57.2 45.0 67.4



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

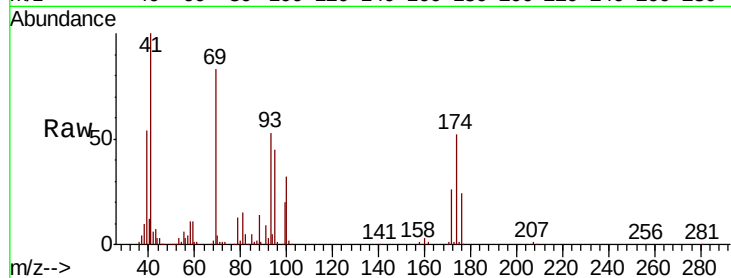




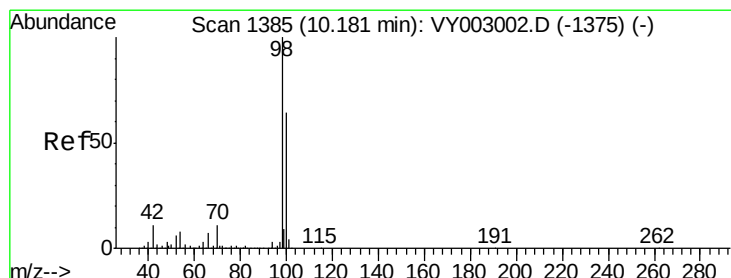
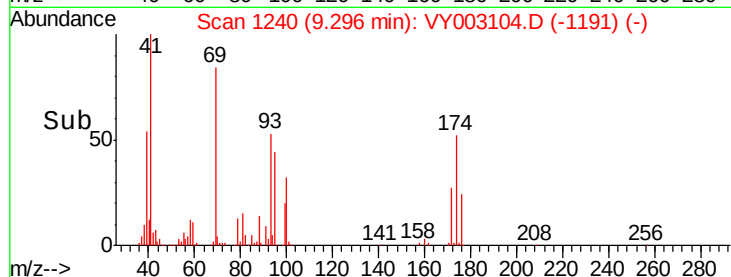
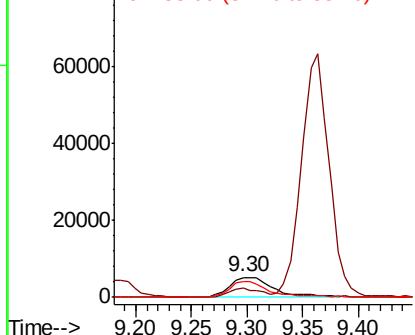
#49
1,4-Dioxane
Concen: 464.864 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

Tot Ion: 88 Resp: 14475
Ion Ratio Lower Upper
88 100
43 30.8 28.6 42.8
58 73.7 56.7 85.1

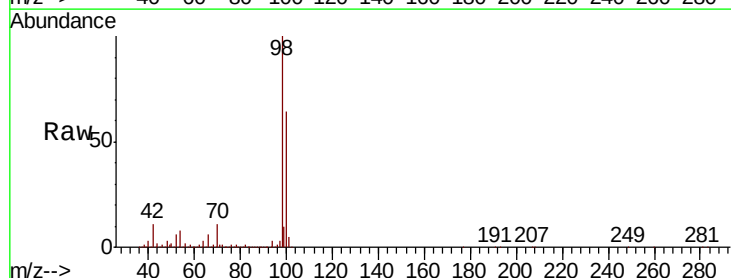


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

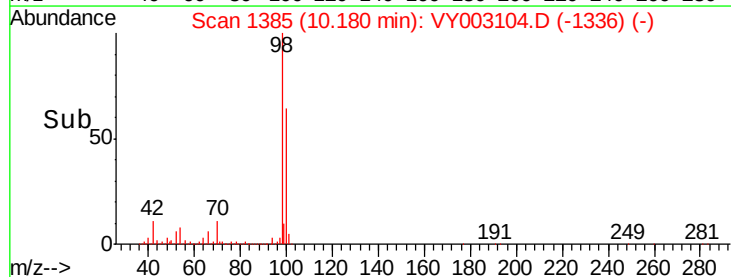
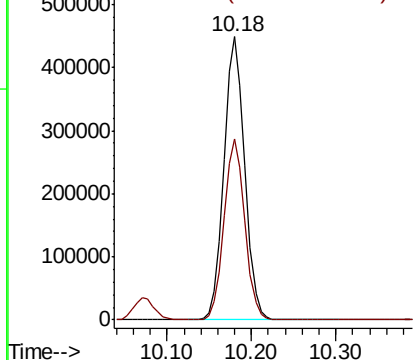


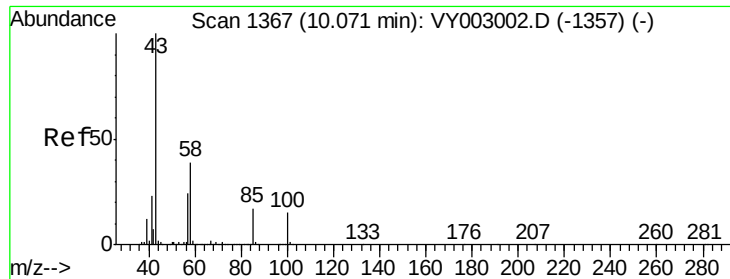
#50
Toluene-d8
Concen: 50.838 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion: 98 Resp: 760566
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

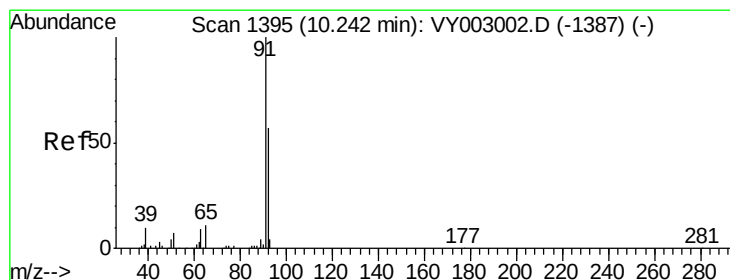
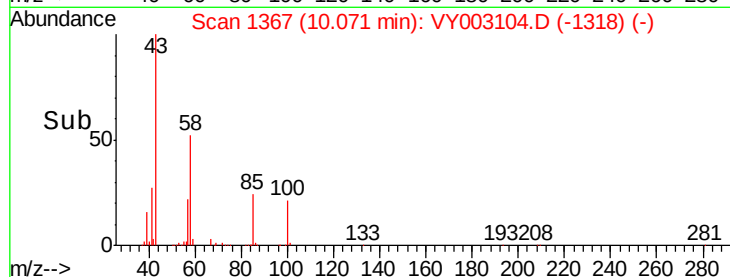
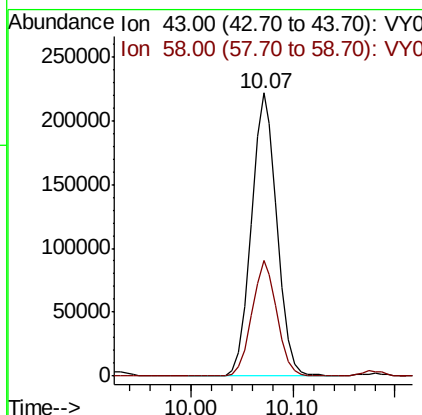
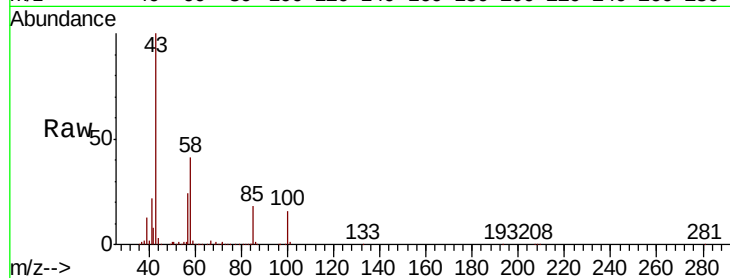




#51
4-Methyl-2-Pentanone
Concen: 105.023 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

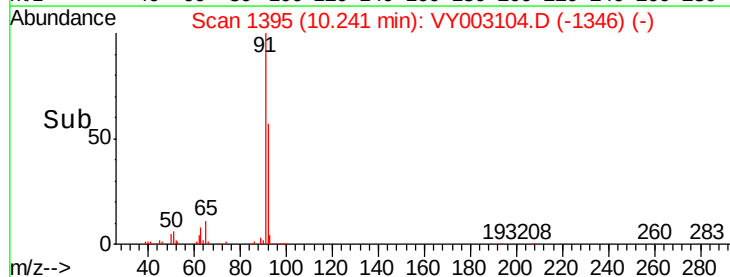
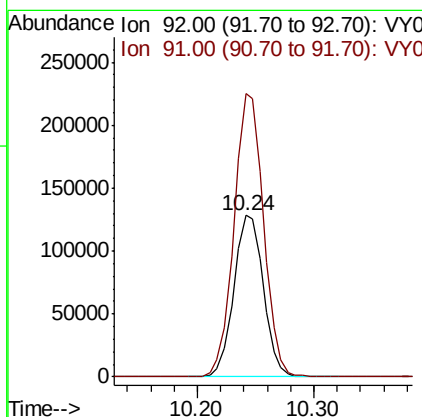
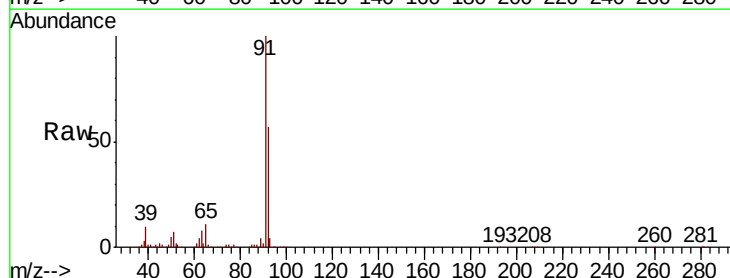
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

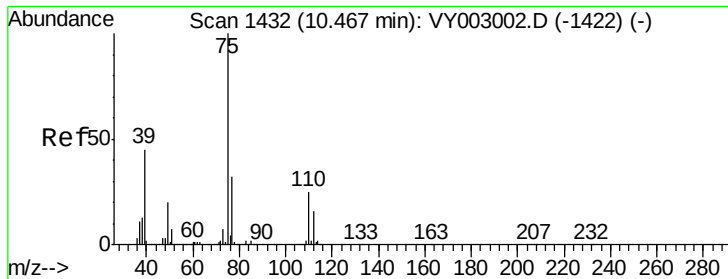
Tot Ion: 43 Resp: 384728
Ion Ratio Lower Upper
43 100
58 40.2 31.1 46.7



#52
Toluene
Concen: 21.241 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion: 92 Resp: 226996
Ion Ratio Lower Upper
92 100
91 175.1 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 20.812 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

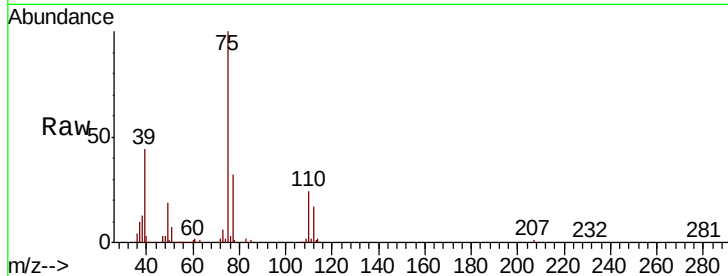
VY0706SBS01

Tot Ion: 75 Resp: 136291

Ion Ratio Lower Upper

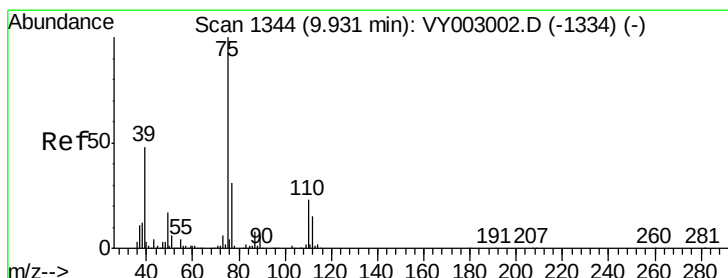
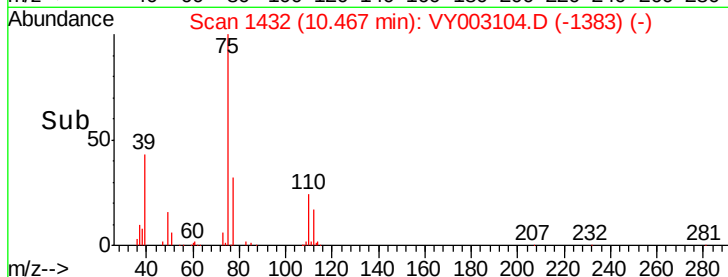
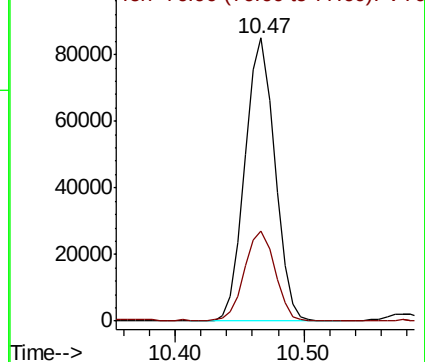
75 100

77 31.9 25.9 38.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 20.748 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

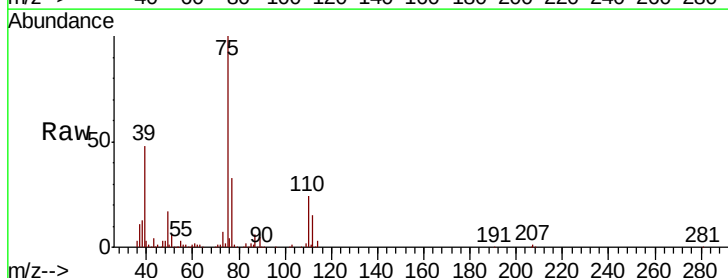
Tgt Ion: 75 Resp: 155385

Ion Ratio Lower Upper

75 100

77 32.7 24.6 37.0

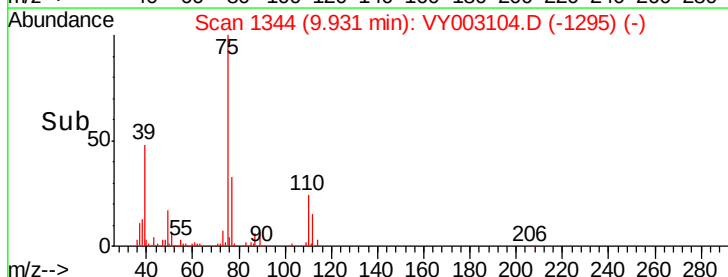
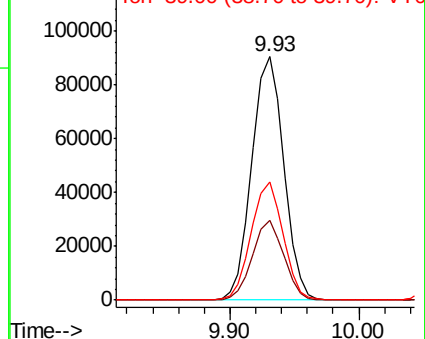
39 48.4 38.3 57.5

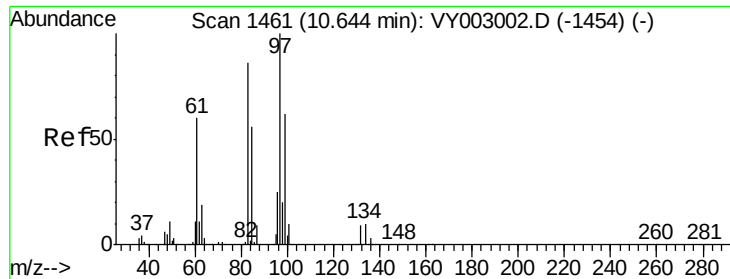


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

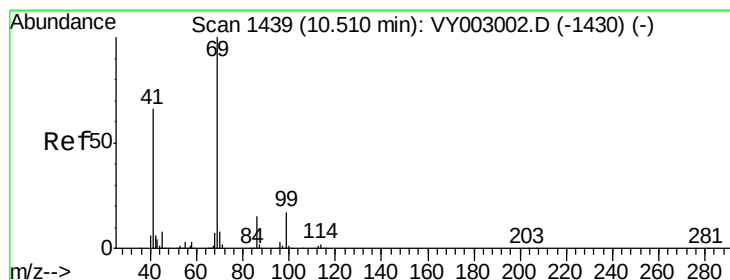
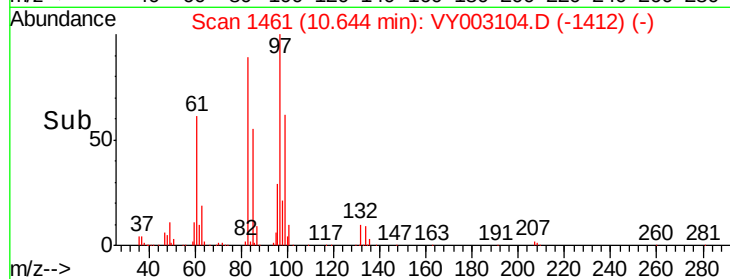
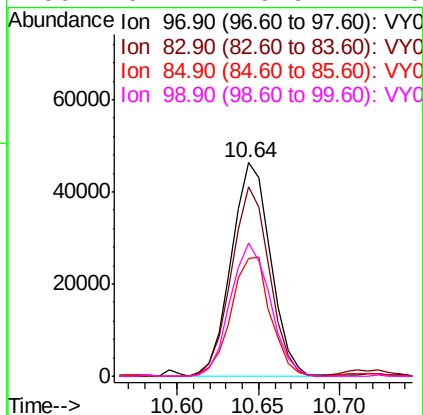
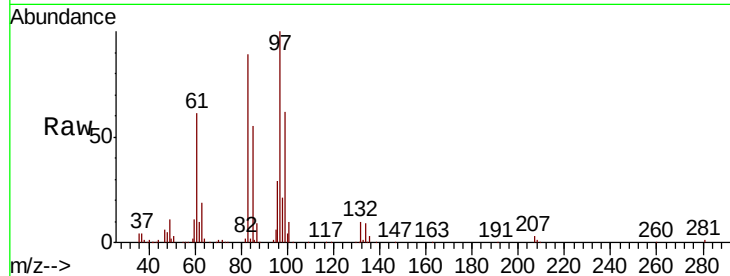




#55
 1,1,2-Trichloroethane
 Concen: 22.024 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

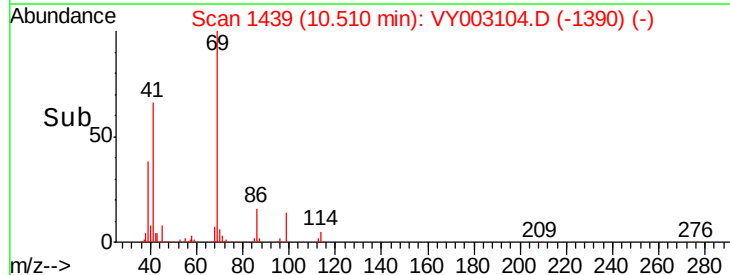
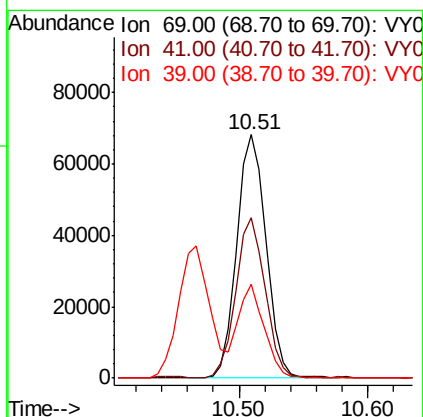
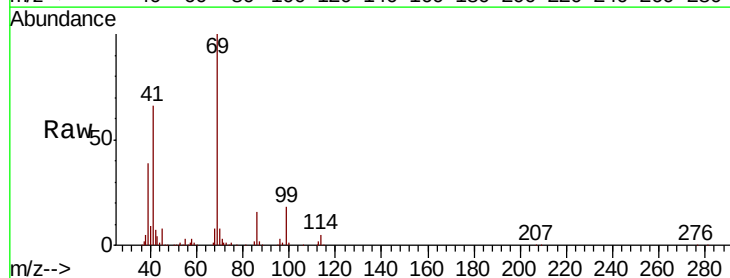
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

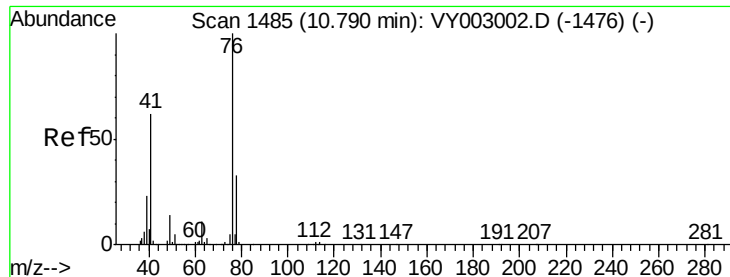
Tot Ion:	97	Resp:	78067
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	54.8	44.8	67.2
99	62.1	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 20.940 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion:	69	Resp:	107443
Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.7	80.5
39	34.0	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.266 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

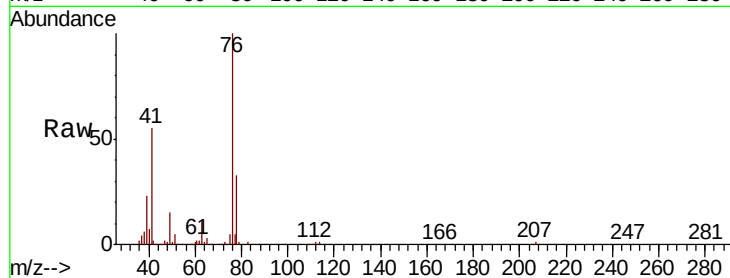
VY0706SBS01

Tot Ion: 76 Resp: 132329

Ion Ratio Lower Upper

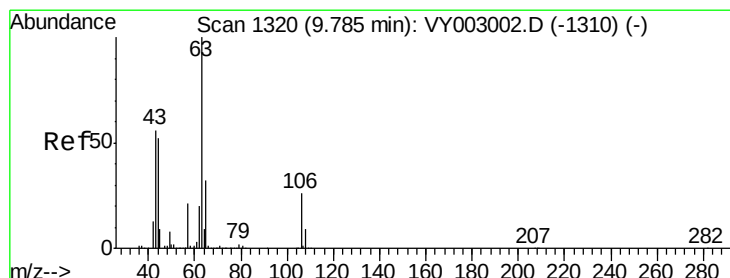
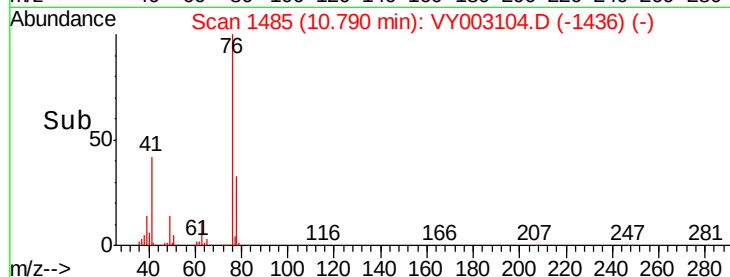
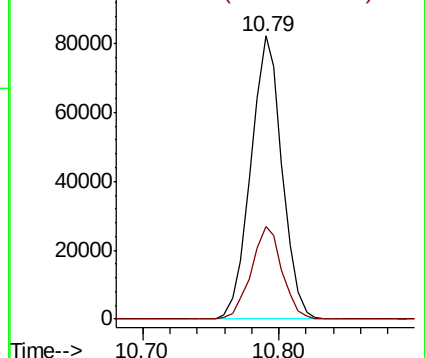
76 100

78 32.3 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 89.404 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003104.D

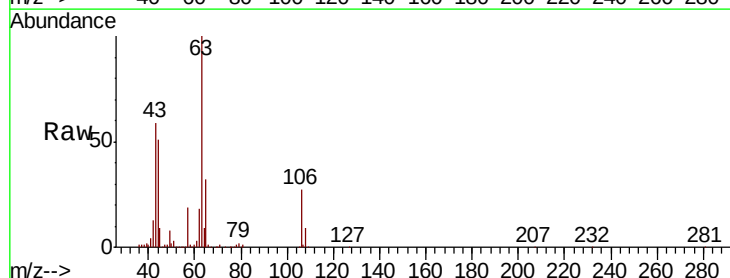
Acq: 06 Jul 2020 11:22

Tgt Ion: 63 Resp: 235273

Ion Ratio Lower Upper

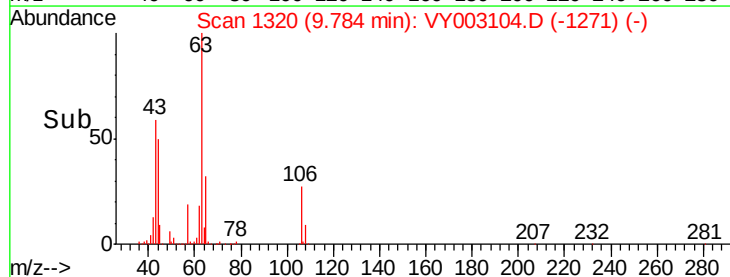
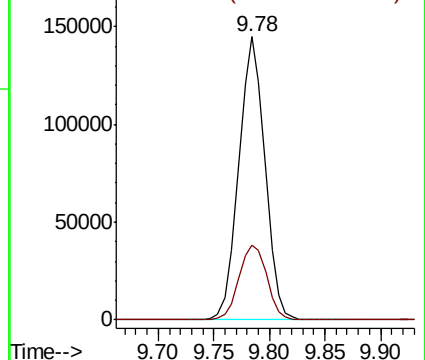
63 100

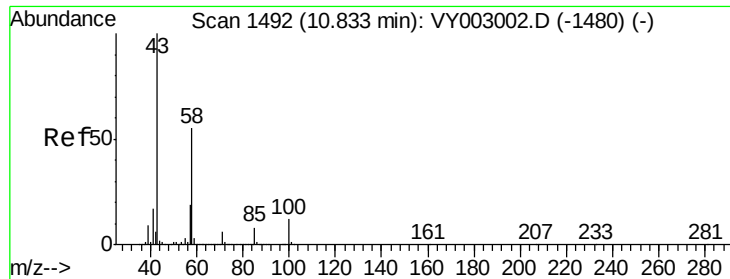
106 28.0 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

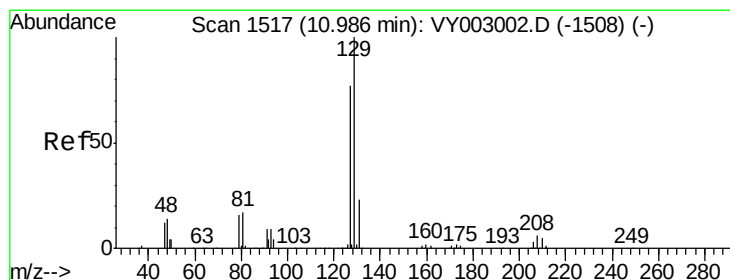
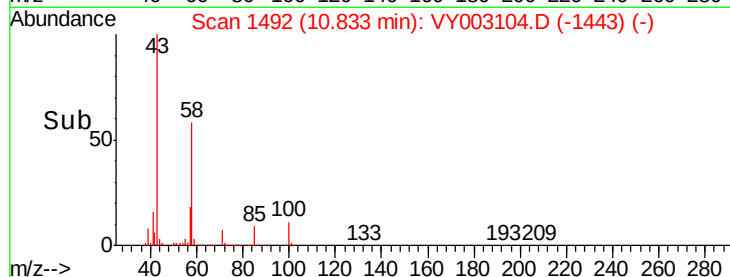
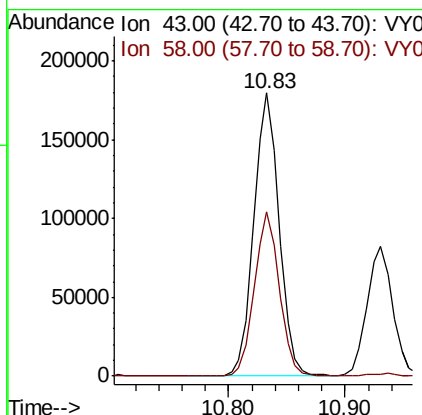
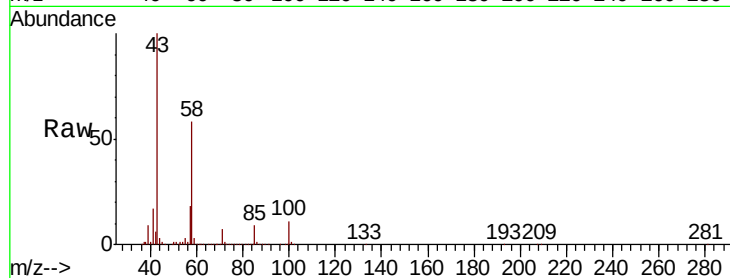




#59
2-Hexanone
Concen: 106.465 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

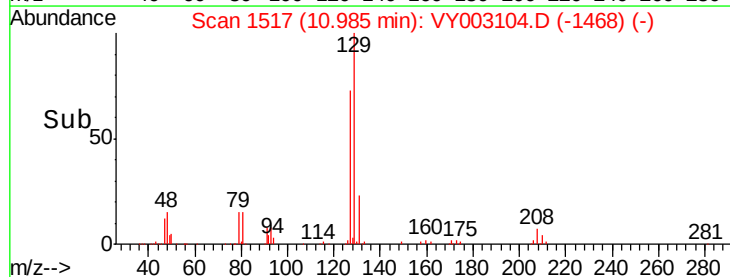
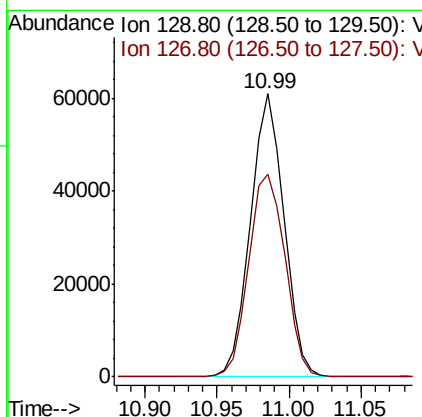
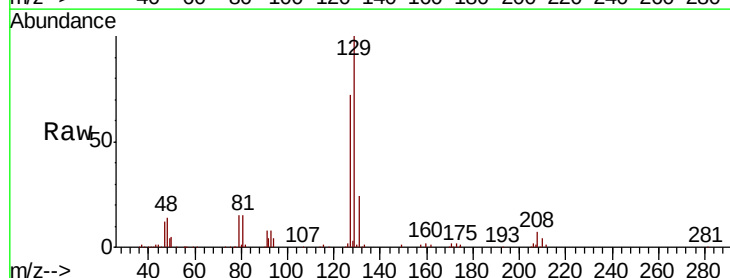
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

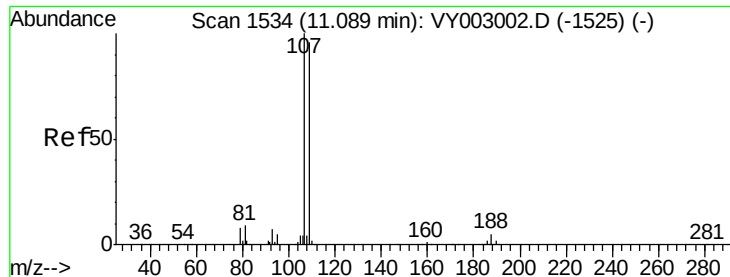
Tot Ion: 43 Resp: 272603
Ion Ratio Lower Upper
43 100
58 57.3 27.5 82.4



#60
Dibromochloromethane
Concen: 21.674 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion: 129 Resp: 98317
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3

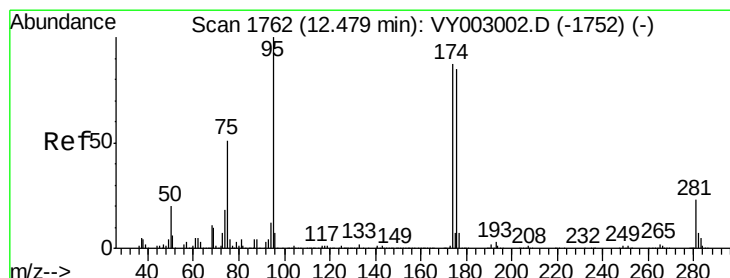
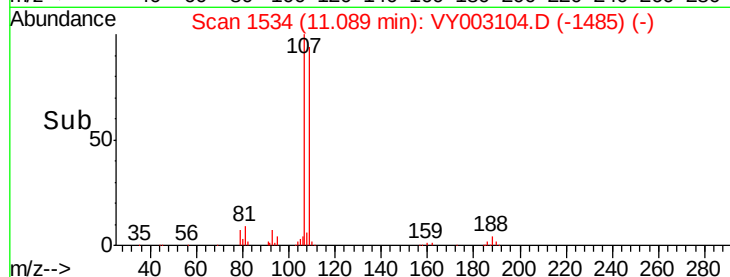
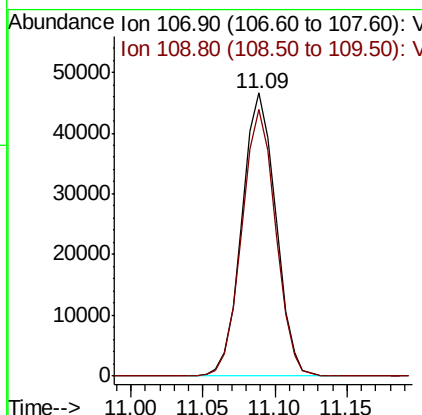
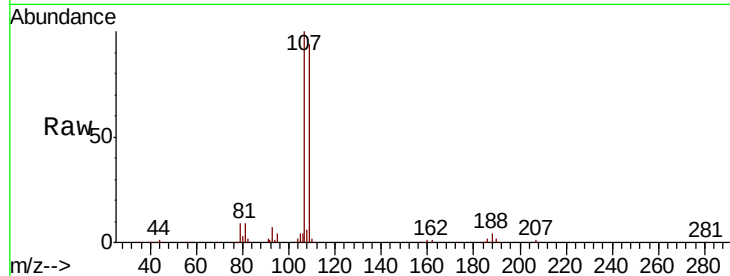




#61
 1,2-Dibromoethane
 Concen: 21.797 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

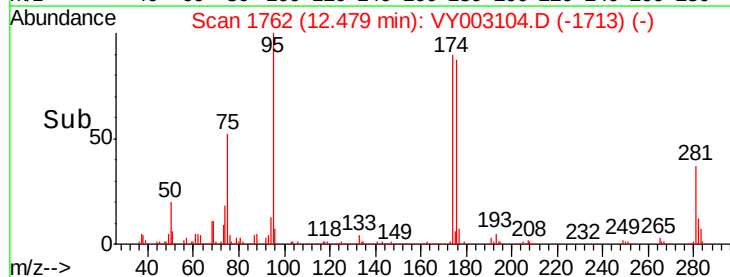
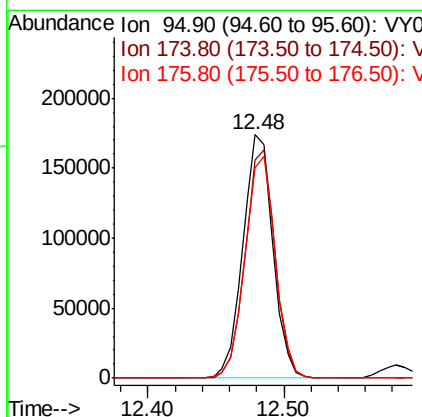
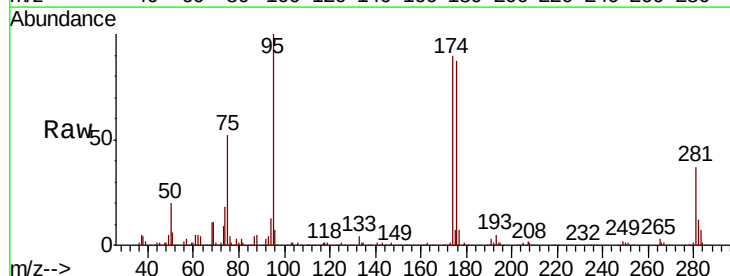
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

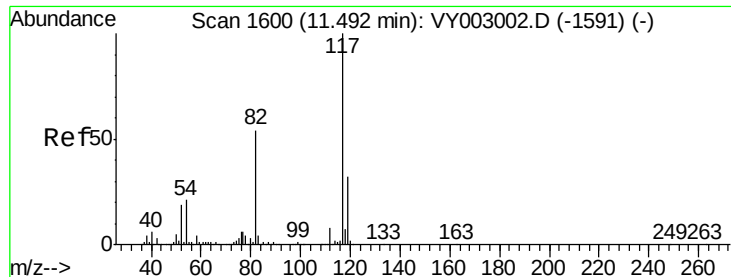
Tot Ion:107 Resp: 76168
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 50.997 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion: 95 Resp: 268557
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 184.8
 176 92.2 0.0 183.0

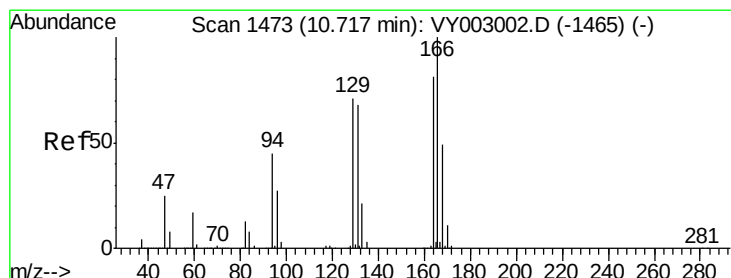
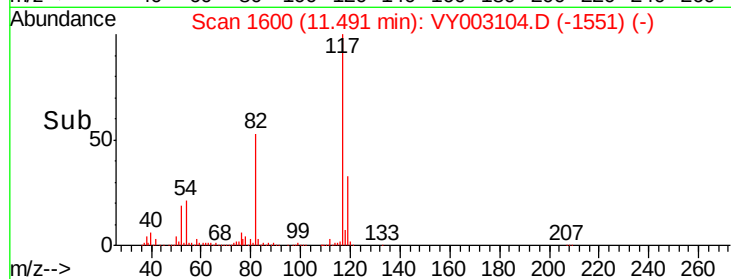
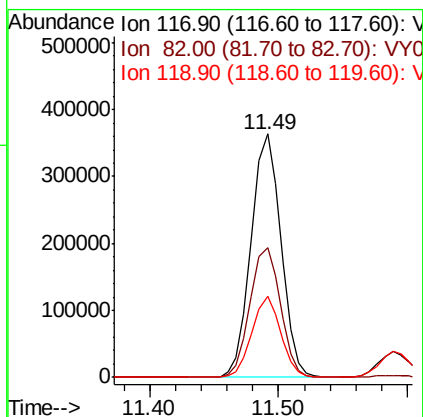
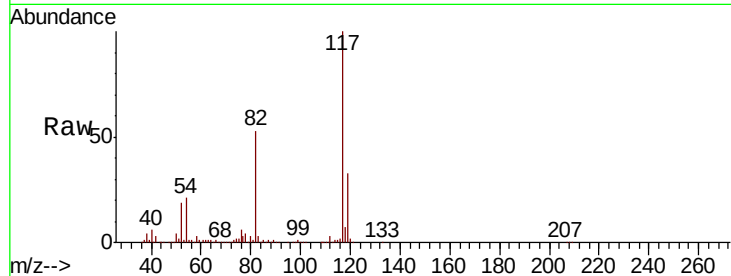




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

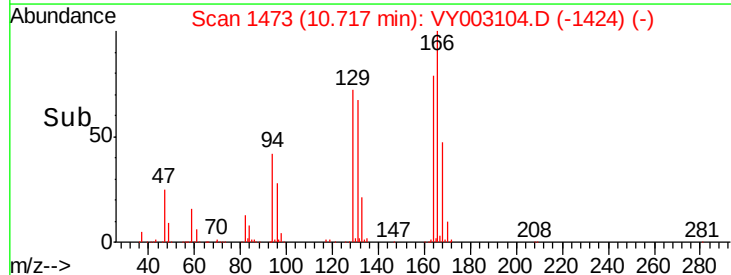
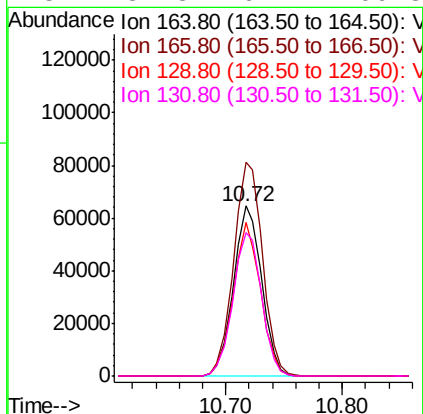
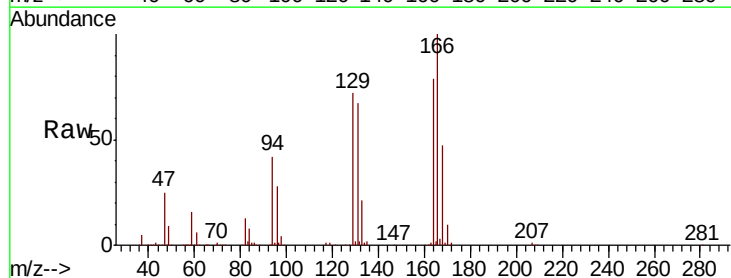
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

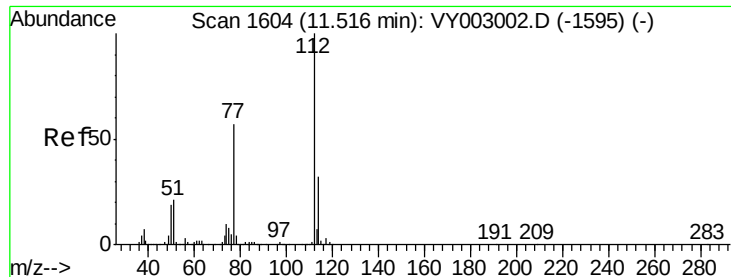
Tot Ion:117 Resp: 580970
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.6
119 33.1 25.8 38.8



#64
Tetrachloroethene
Concen: 22.123 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion:164 Resp: 108781
Ion Ratio Lower Upper
164 100
166 125.8 98.5 147.7
129 90.2 69.7 104.5
131 84.3 67.2 100.8





#65

Chlorobenzene

Concen: 22.275 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

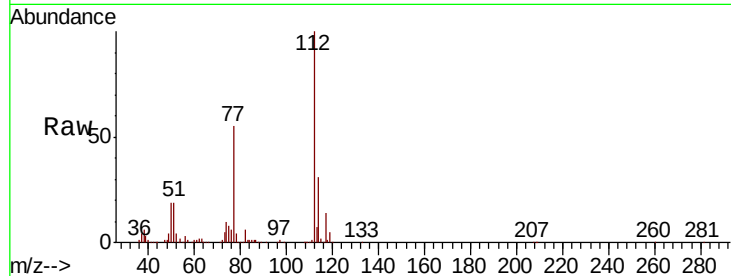
VY0706SBS01

Tot Ion:112 Resp: 255175

Ion Ratio Lower Upper

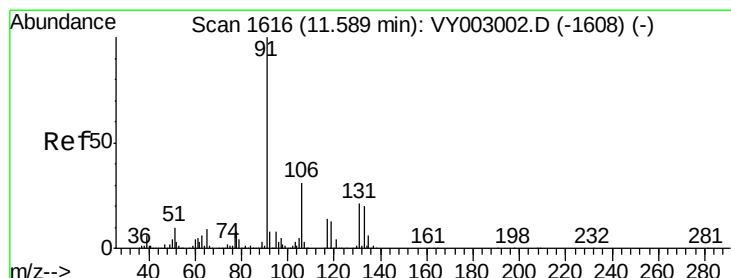
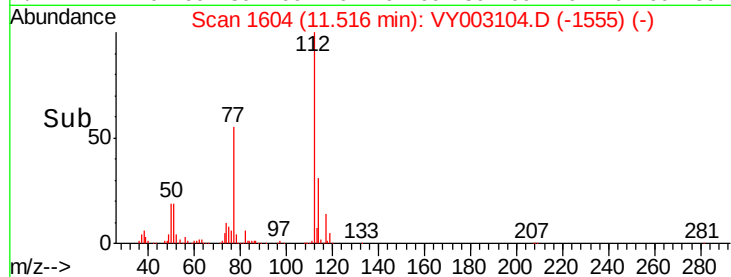
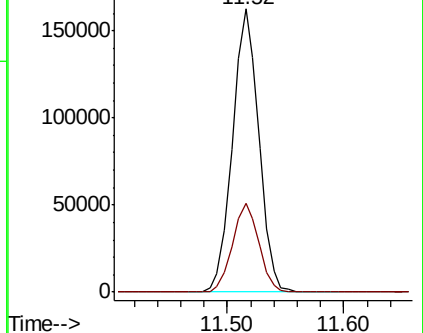
112 100

114 31.4 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.002 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

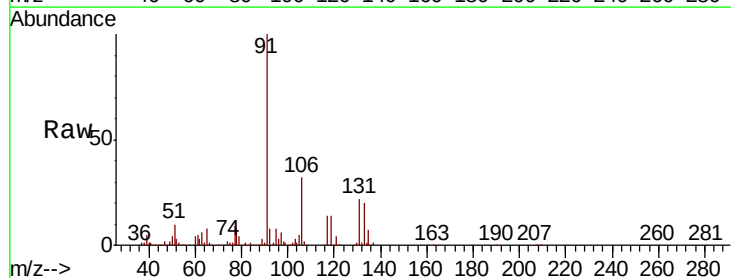
Tgt Ion:131 Resp: 98405

Ion Ratio Lower Upper

131 100

133 94.2 47.9 143.8

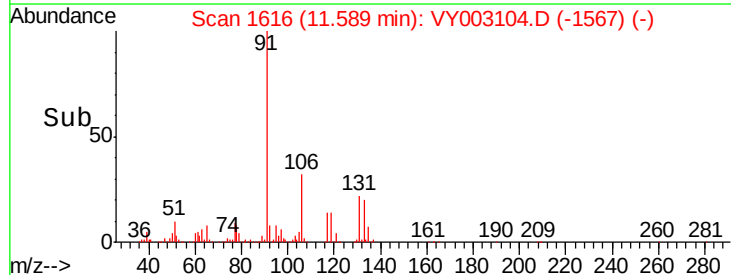
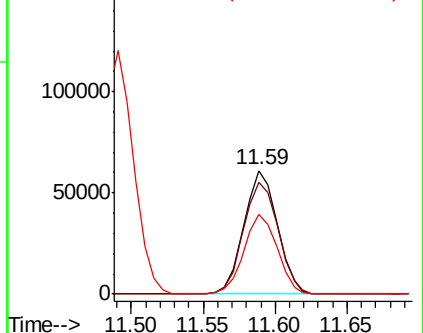
119 63.9 31.8 95.3

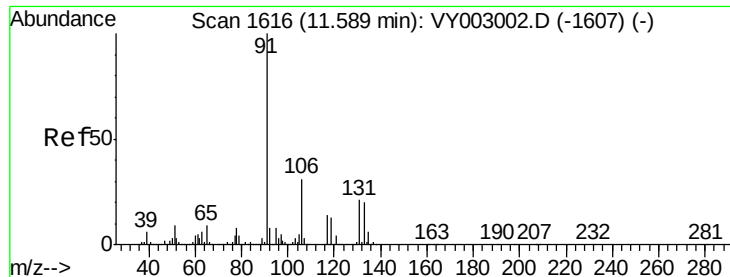


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.469 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

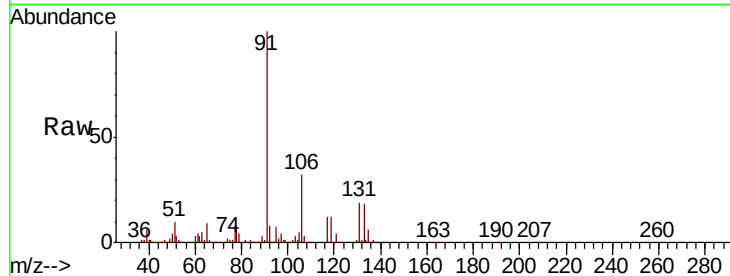
VY0706SBS01

Tot Ion: 91 Resp: 449934

Ion Ratio Lower Upper

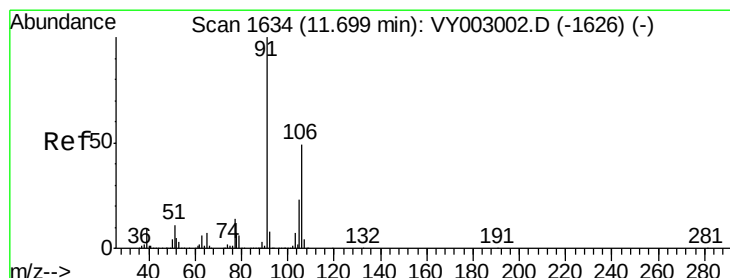
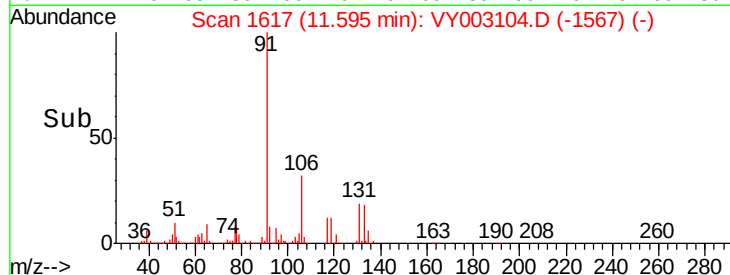
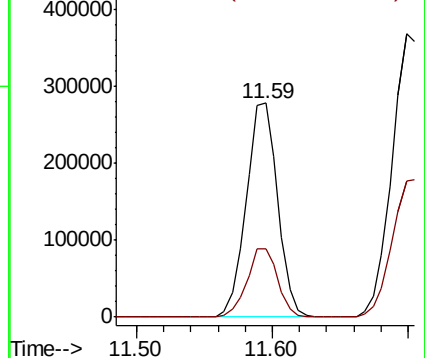
91 100

106 31.7 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.291 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY003104.D

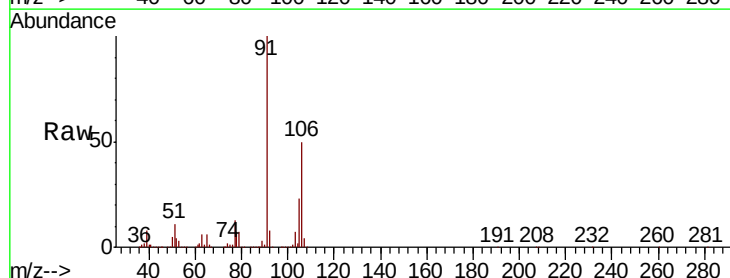
Acq: 06 Jul 2020 11:22

Tgt Ion: 106 Resp: 337669

Ion Ratio Lower Upper

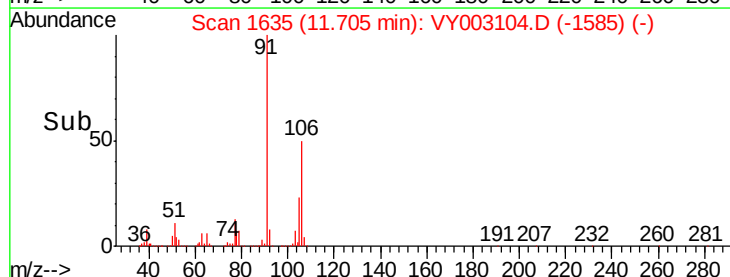
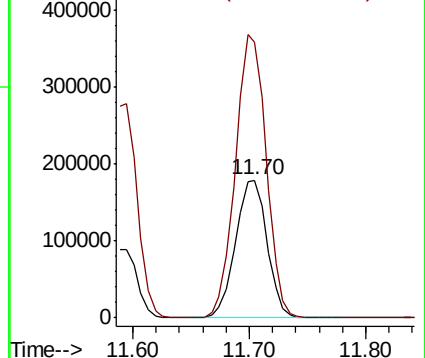
106 100

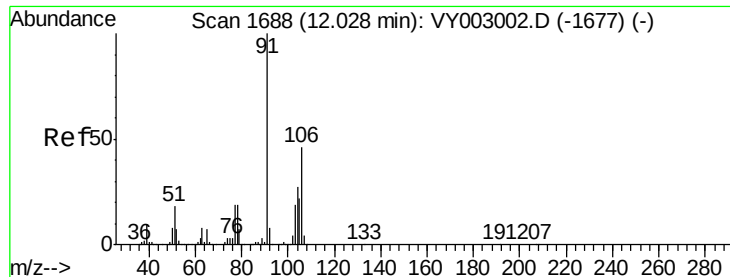
91 200.7 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

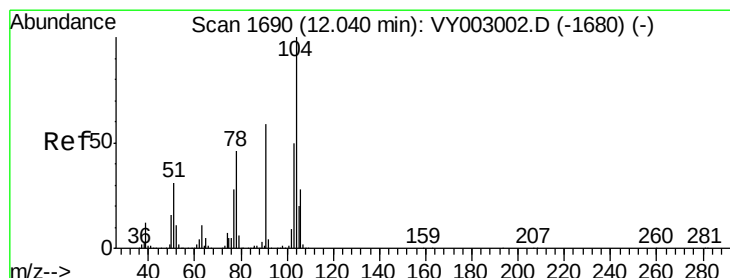
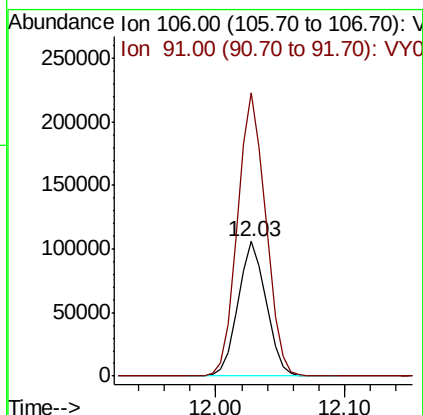
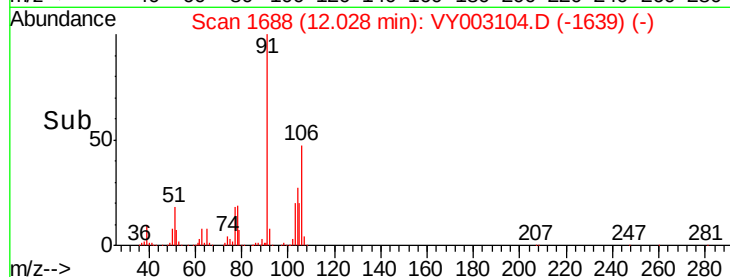
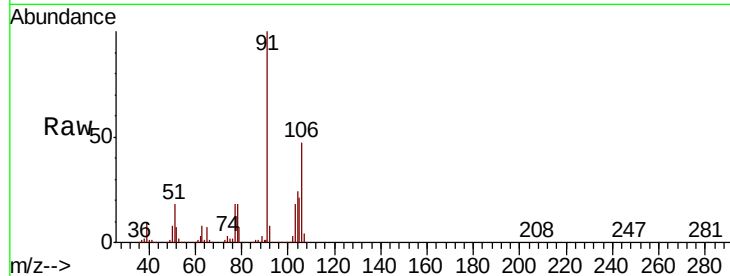




#69
o-Xylene
Concen: 21.716 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

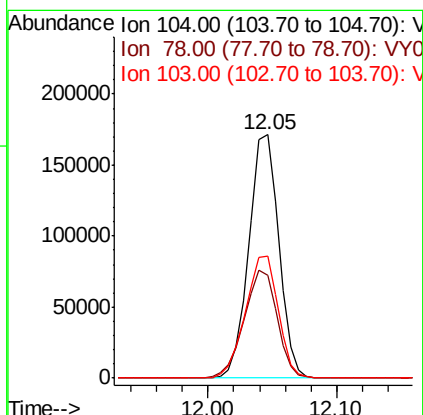
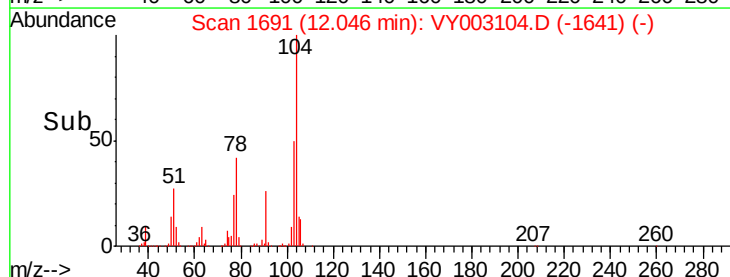
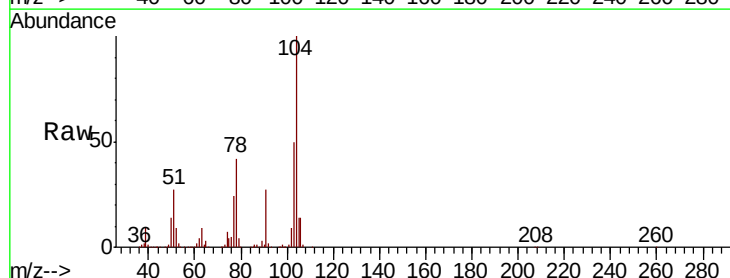
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

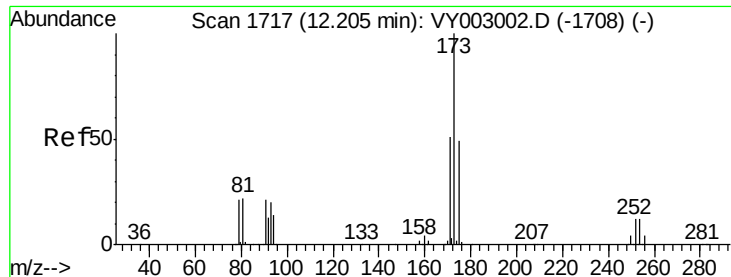
Tot Ion:106 Resp: 159612
Ion Ratio Lower Upper
106 100
91 211.7 107.9 323.8



#70
Styrene
Concen: 21.868 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion:104 Resp: 274586
Ion Ratio Lower Upper
104 100
78 48.9 40.4 60.6
103 55.1 44.1 66.1





#71

Bromoform

Concen: 22.007 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0706SBS01

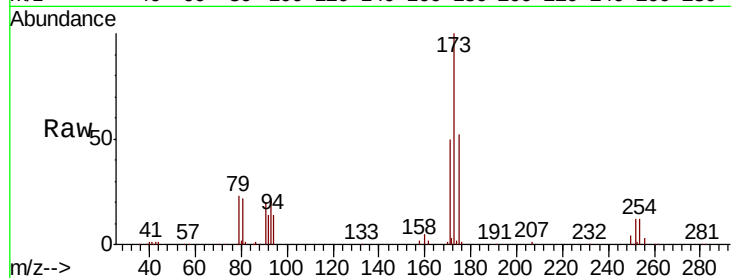
Tot Ion:173 Resp: 65631

Ion Ratio Lower Upper

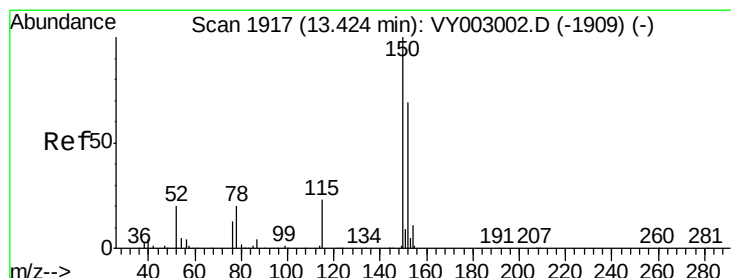
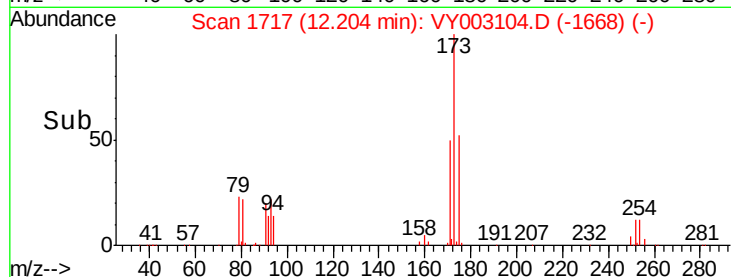
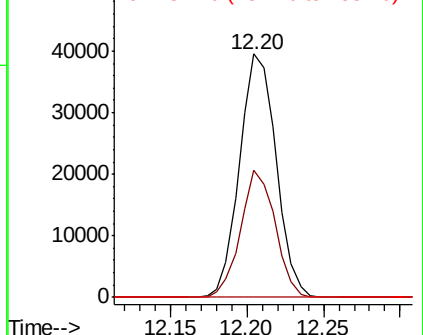
173 100

175 49.6 24.6 73.6

254 0.0 0.2 0.2#



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: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

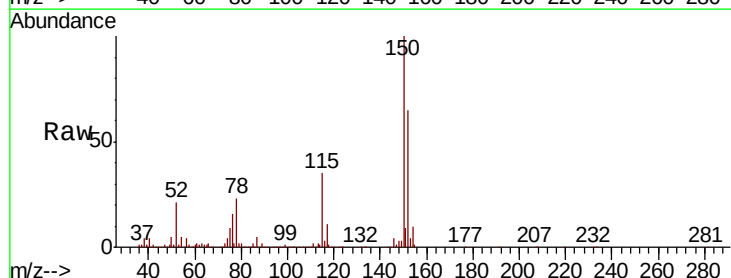
Tgt Ion:152 Resp: 313029

Ion Ratio Lower Upper

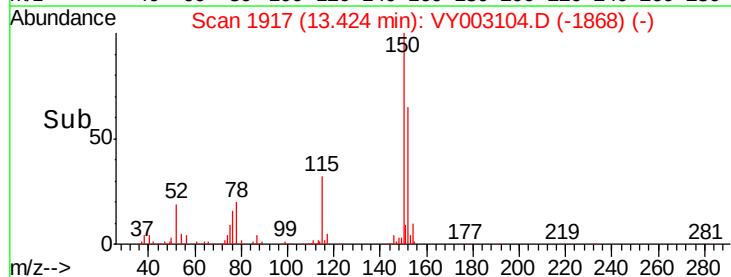
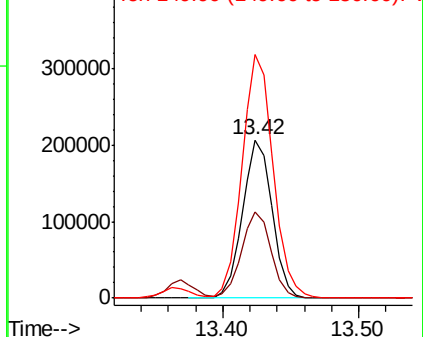
152 100

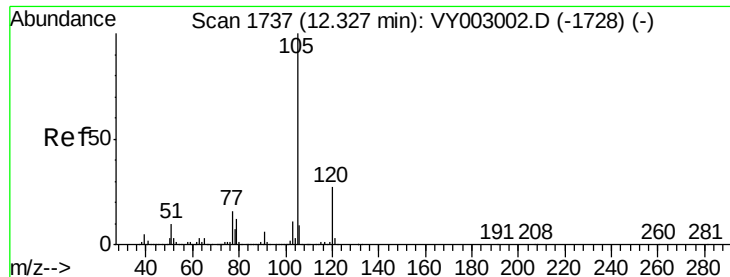
115 54.2 27.3 81.9

150 162.1 0.0 343.4



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: 21.528 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

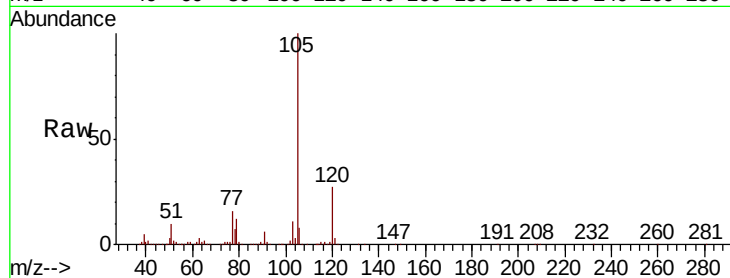
VY0706SBS01

Tot Ion:105 Resp: 441040

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

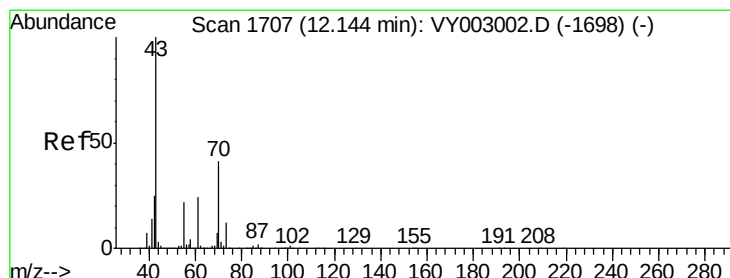
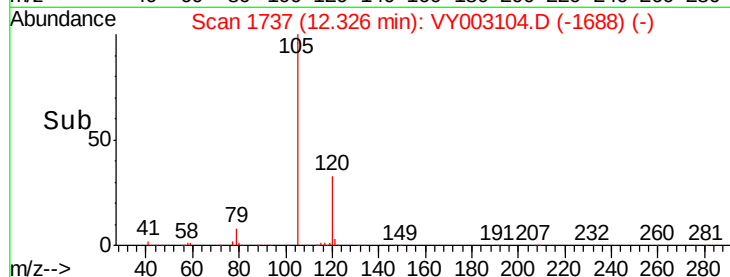
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.093 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Tgt Ion: 43 Resp: 134006

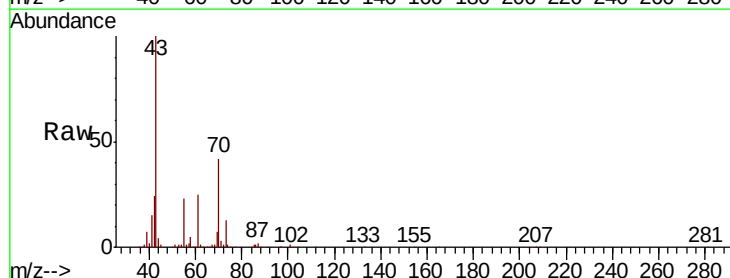
Ion Ratio Lower Upper

43 100

70 43.2 33.0 49.4

55 24.0 18.2 27.2

61 24.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

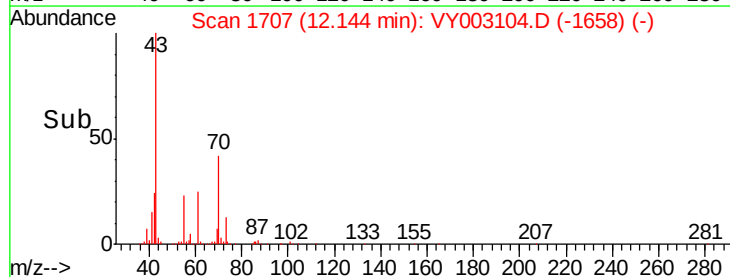
150000

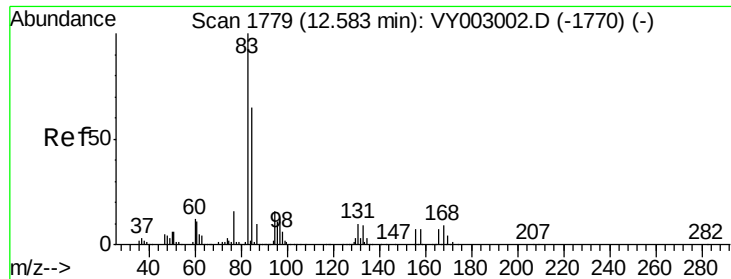
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.138 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0706SBS01

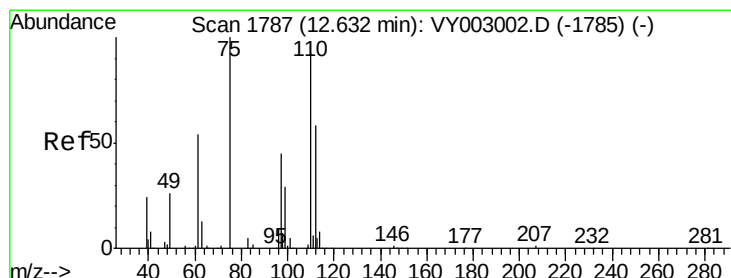
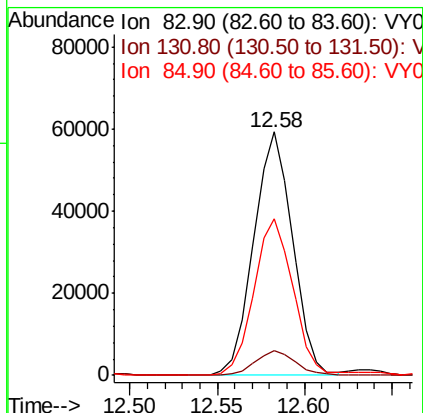
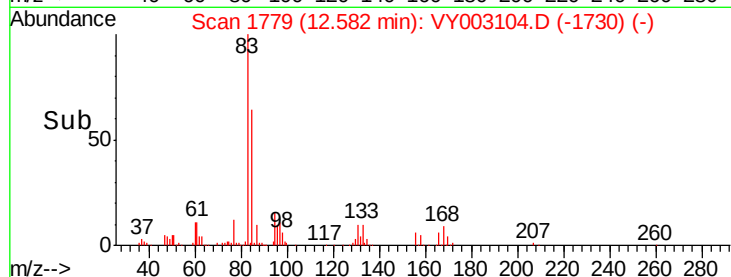
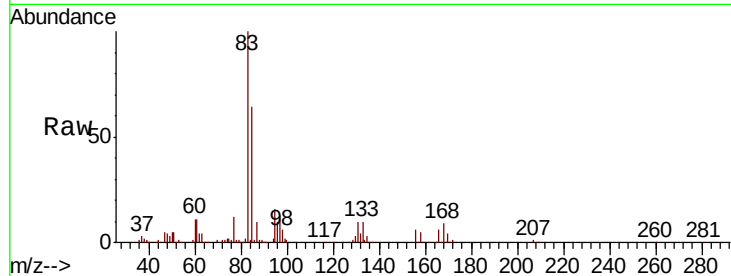
Tot Ion: 83 Resp: 91523

Ion Ratio Lower Upper

83 100

131 10.6 5.3 16.1

85 64.9 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 40.933 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY003104.D

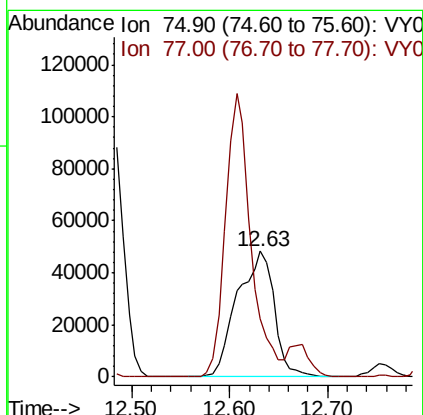
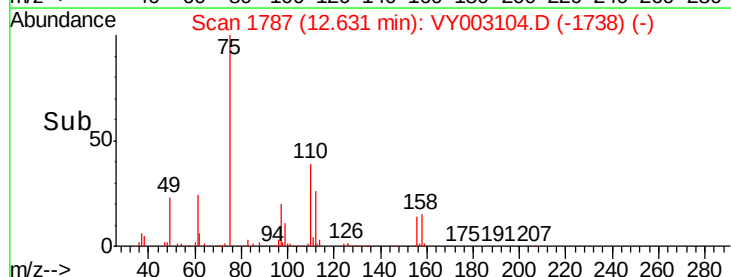
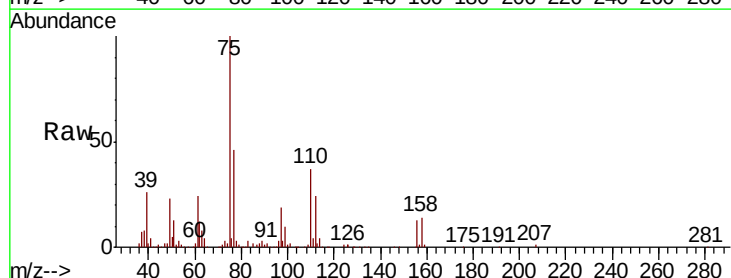
Acq: 06 Jul 2020 11:22

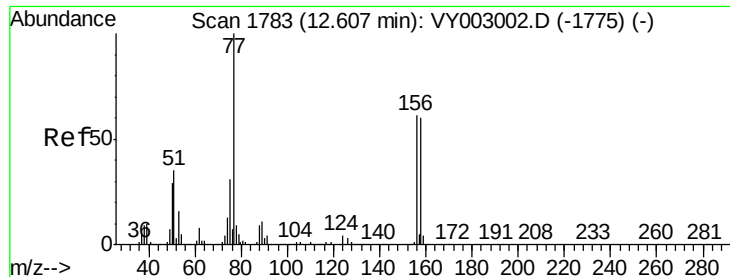
Tgt Ion: 75 Resp: 126812

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.288 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

VY0706SBS01

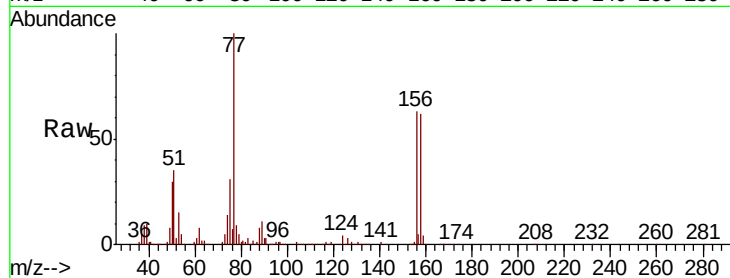
Tot Ion:156 Resp: 111822

Ion Ratio Lower Upper

156 100

77 174.9 90.0 270.0

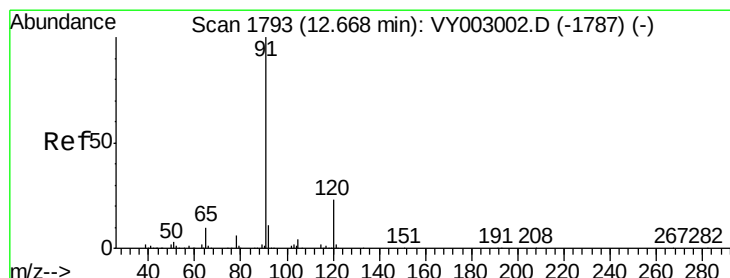
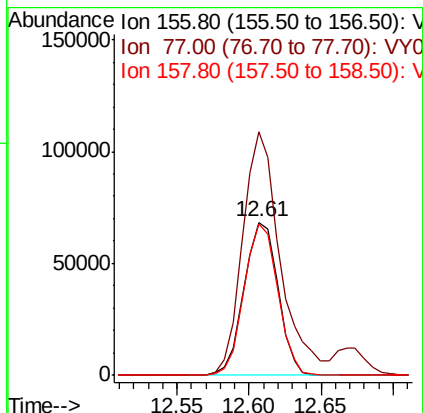
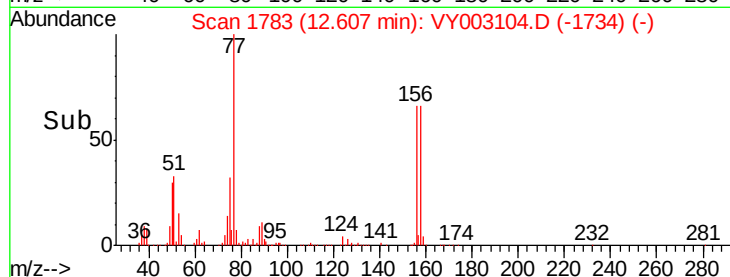
158 97.3 48.5 145.5



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: 21.039 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY003104.D

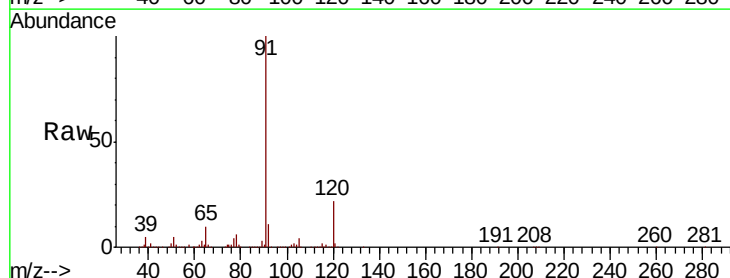
Acq: 06 Jul 2020 11:22

Tgt Ion: 91 Resp: 518351

Ion Ratio Lower Upper

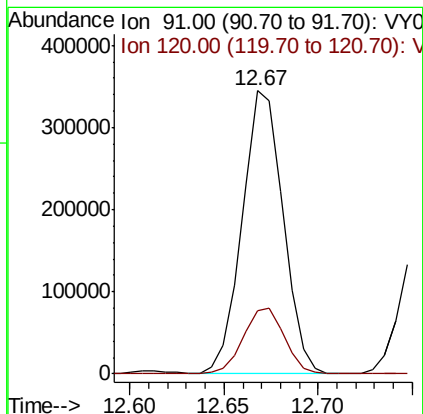
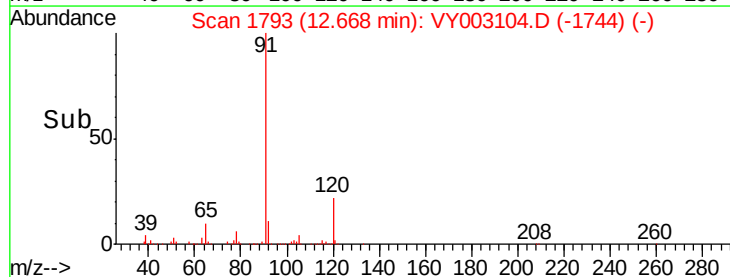
91 100

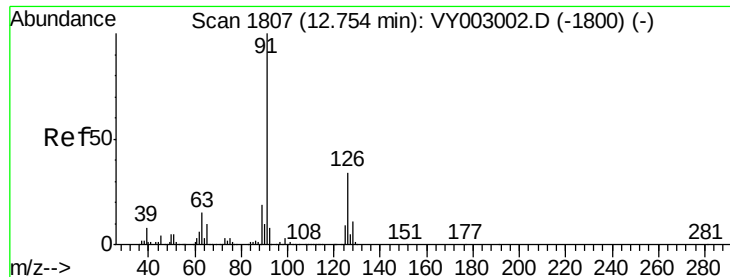
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.110 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

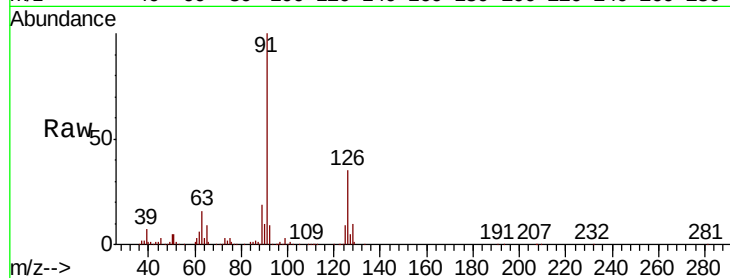
VY0706SBS01

Tot Ion: 91 Resp: 290315

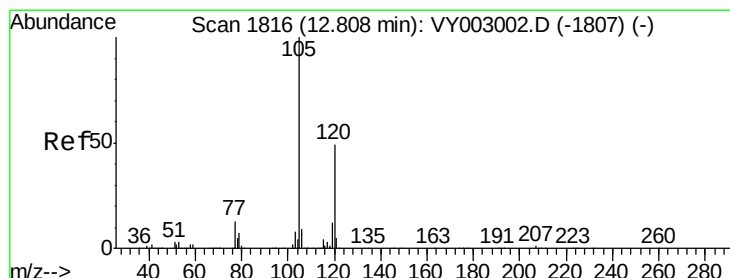
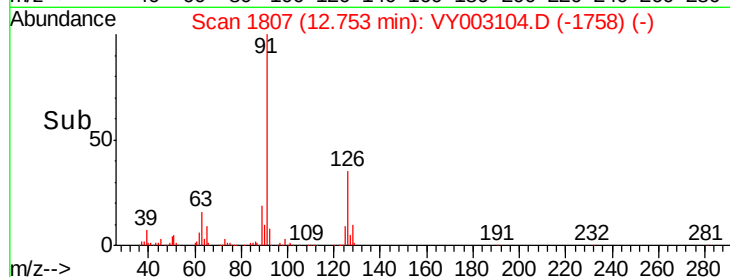
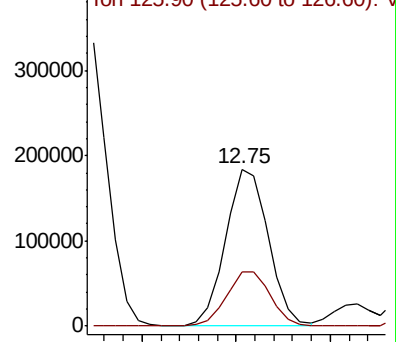
Ion Ratio Lower Upper

91 100

126 35.5 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY003104.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.525 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY003104.D

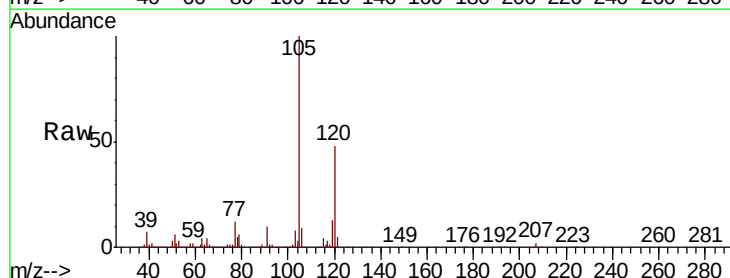
Acq: 06 Jul 2020 11:22

Tgt Ion: 105 Resp: 370038

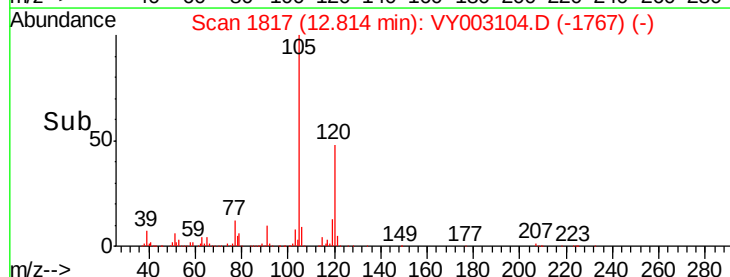
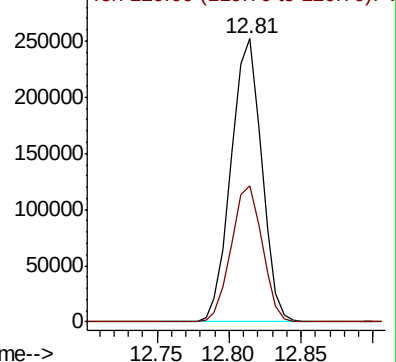
Ion Ratio Lower Upper

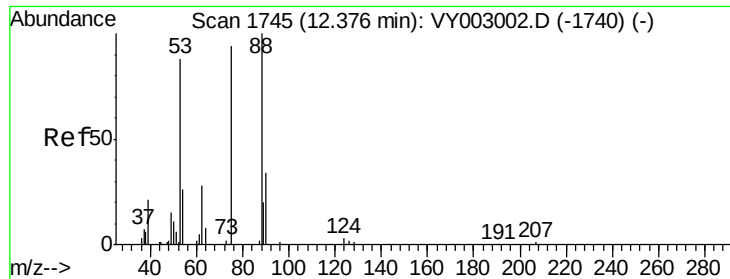
105 100

120 49.0 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VY003104.D (-1767) (-)

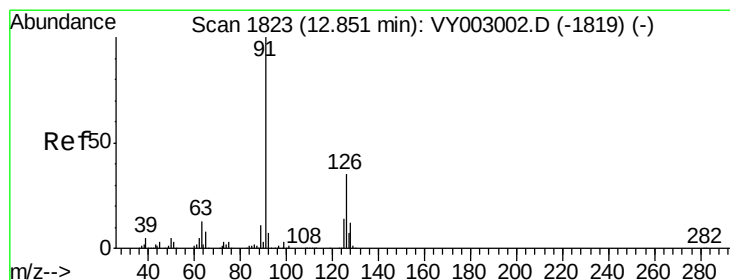
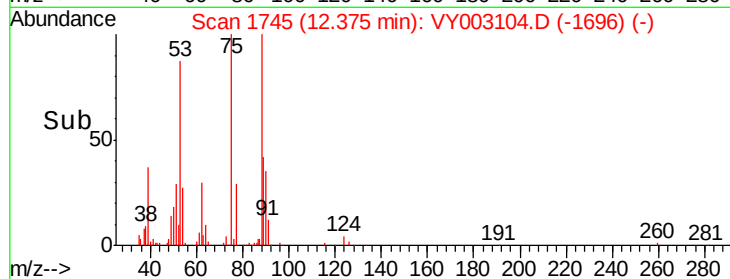
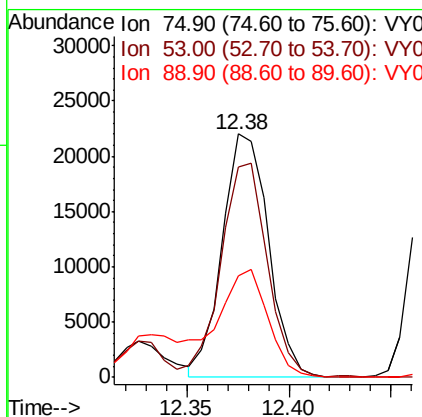
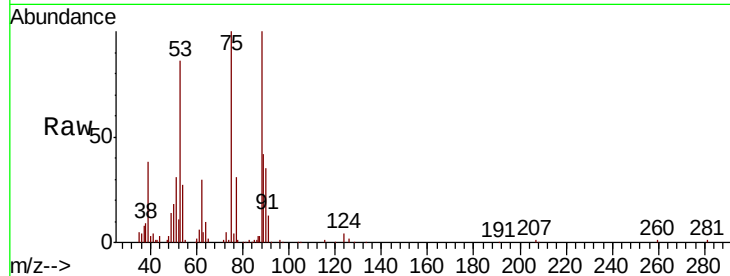




#81
trans-1,4-Dichloro-2-butene
Concen: 21.534 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

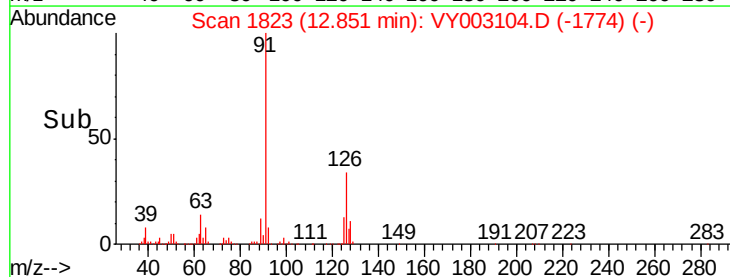
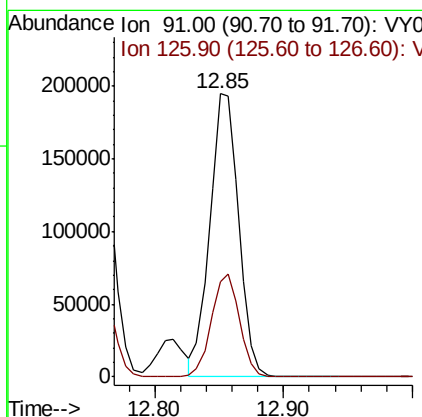
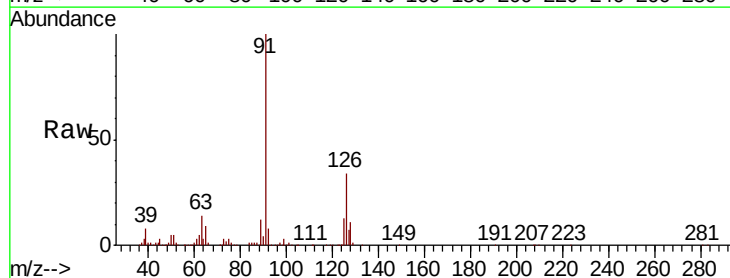
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

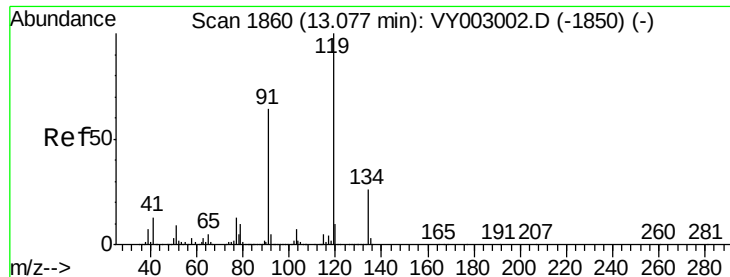
Tot Ion: 75 Resp: 34290
Ion Ratio Lower Upper
75 100
53 88.2 73.9 110.9
89 48.0 37.5 56.3



#82
4-Chlorotoluene
Concen: 21.336 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion: 91 Resp: 305493
Ion Ratio Lower Upper
91 100
126 35.4 17.4 52.3

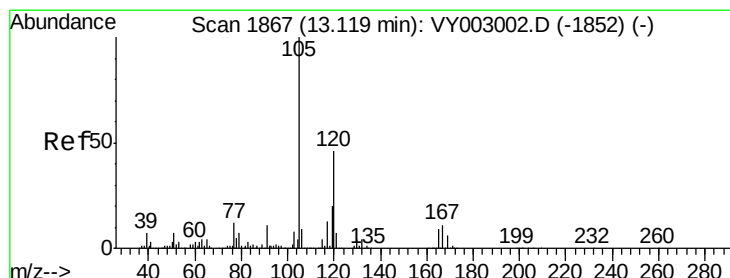
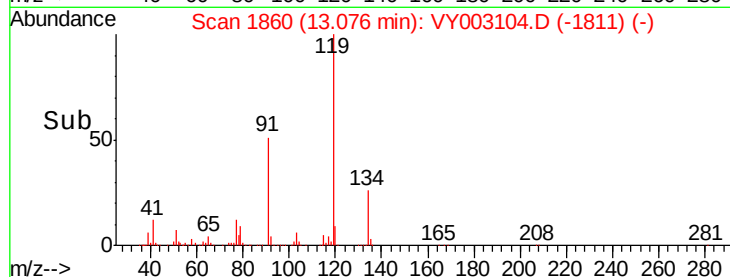
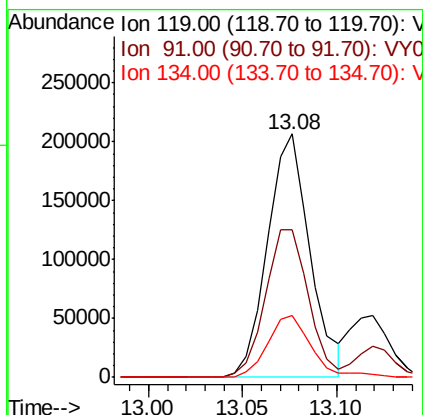
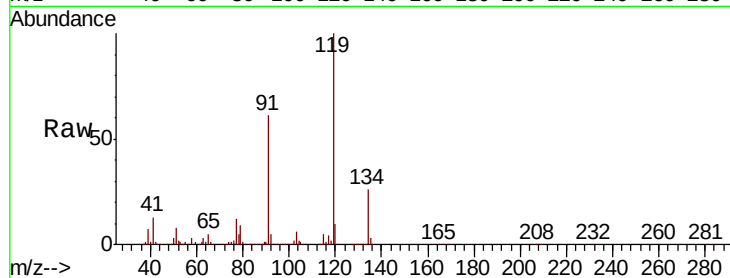




#83
 tert-Butylbenzene
 Concen: 21.396 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

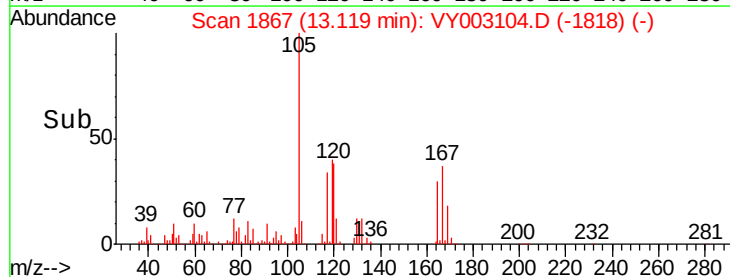
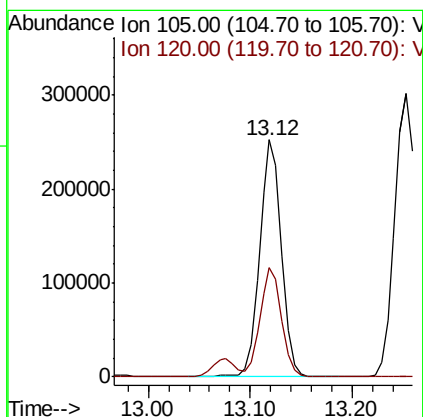
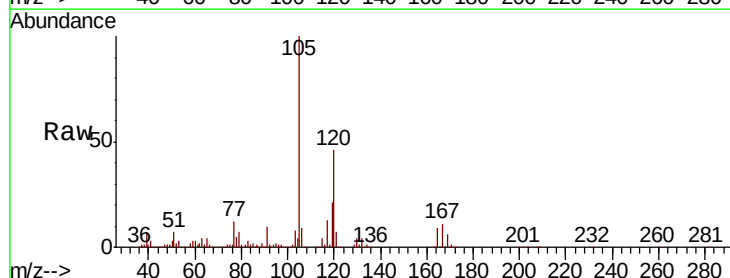
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

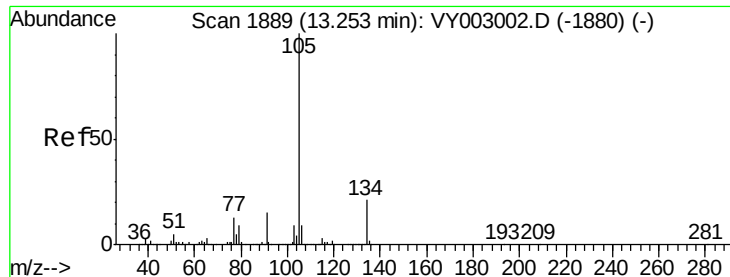
Tot Ion:119 Resp: 322977
 Ion Ratio Lower Upper
 119 100
 91 61.5 31.6 95.0
 134 26.7 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.665 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion:105 Resp: 375297
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.8





#85

sec-Butylbenzene

Concen: 21.575 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

Instrument :

MSVOA_Y

ClientSampleId :

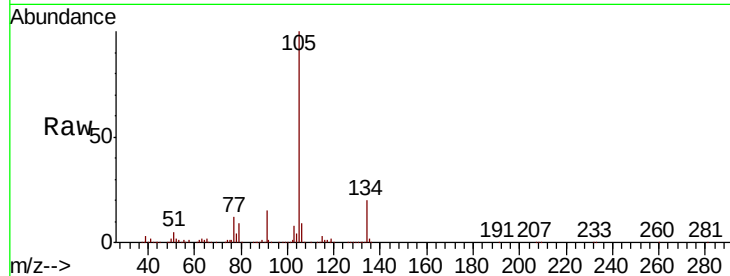
VY0706SBS01

Tot Ion:105 Resp: 448888

Ion Ratio Lower Upper

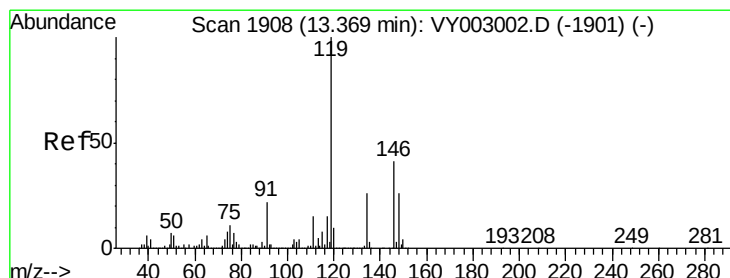
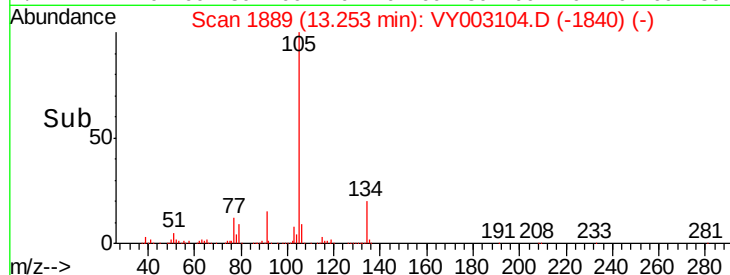
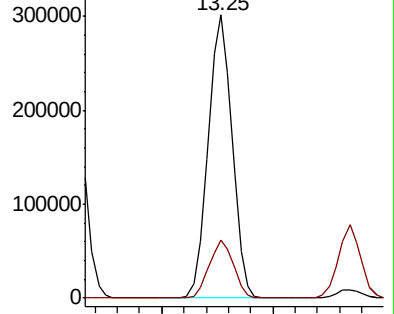
105 100

134 20.6 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.605 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY003104.D

Acq: 06 Jul 2020 11:22

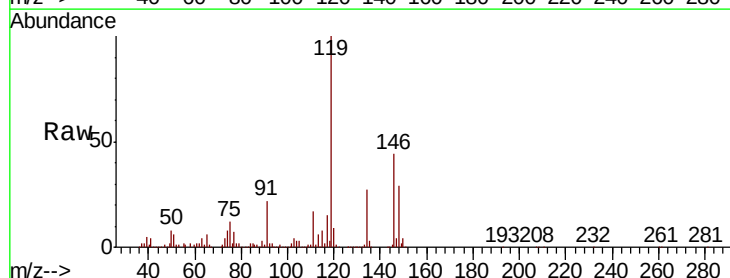
Tgt Ion:119 Resp: 416532

Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.4

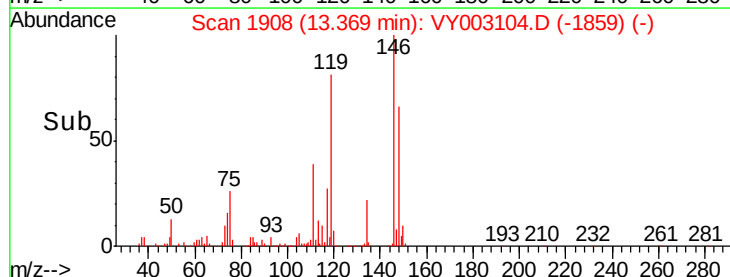
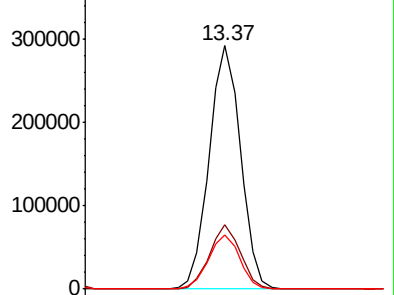
91 22.2 11.5 34.5

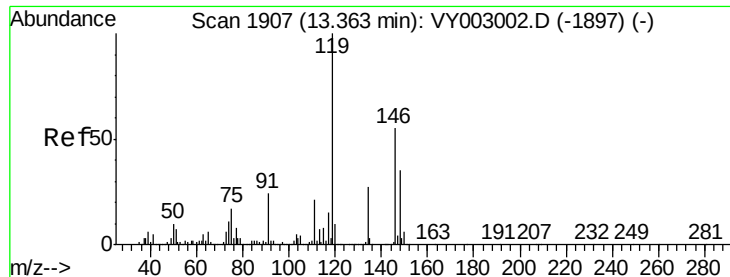


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

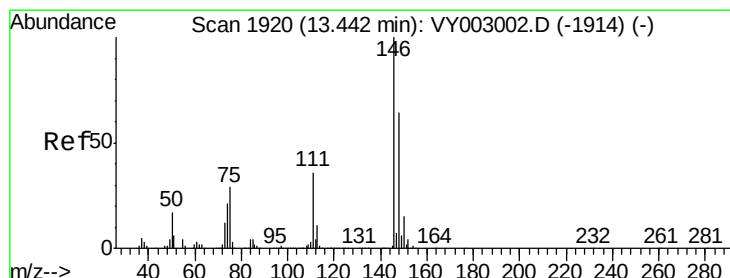
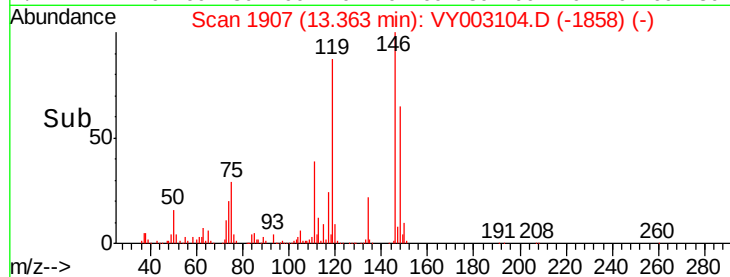
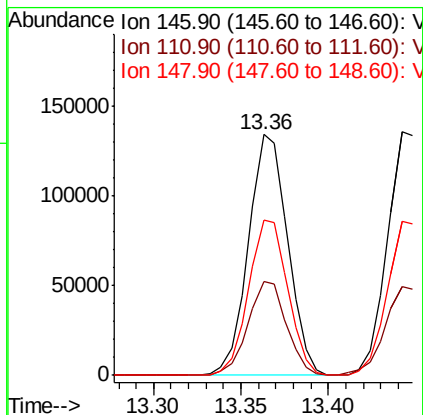
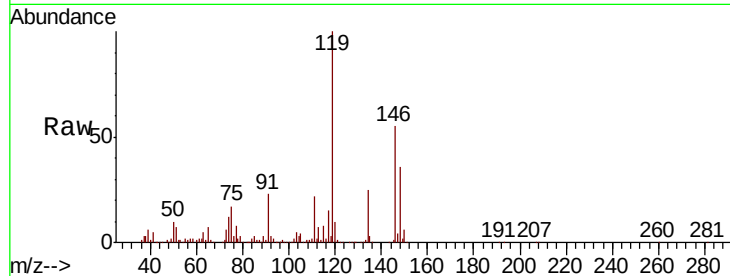




#87
 1,3-Dichlorobenzene
 Concen: 21.343 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

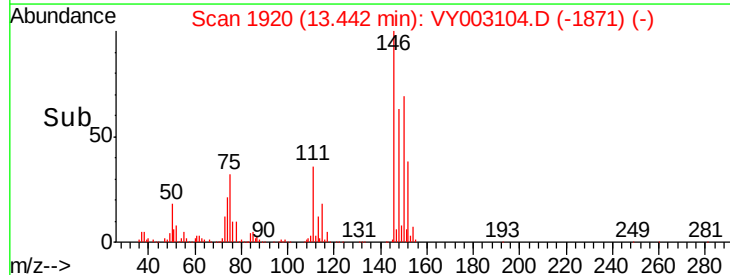
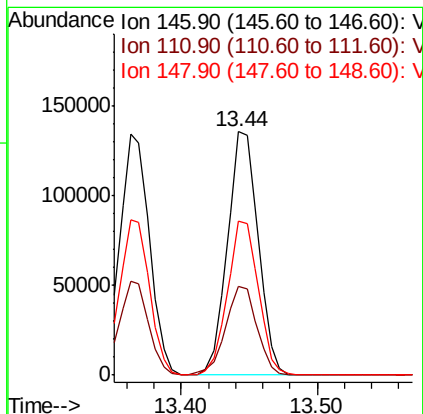
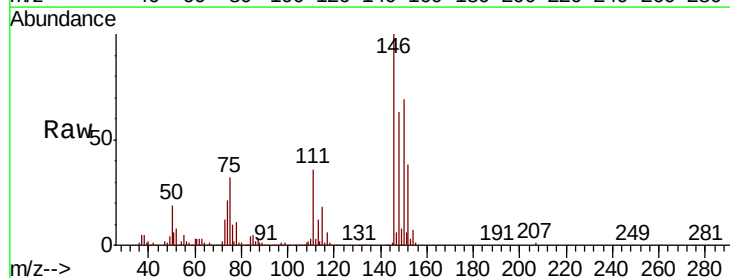
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

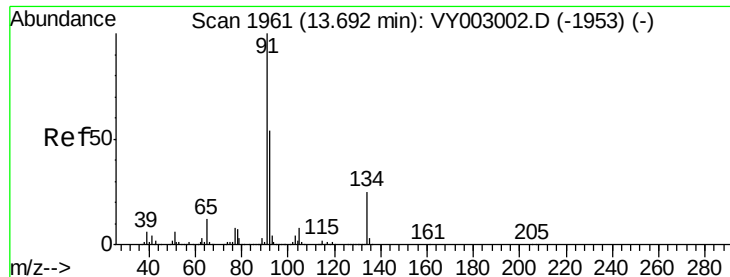
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.3
148	64.5	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 22.083 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.4
148	63.5	32.3	96.9

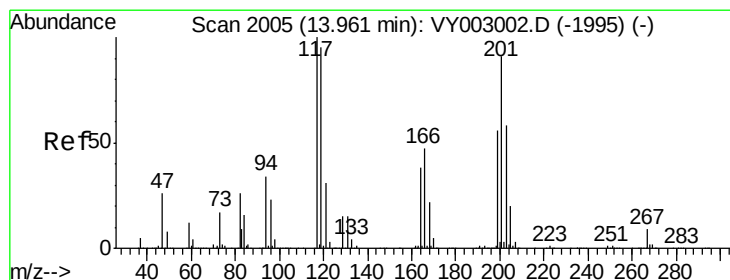
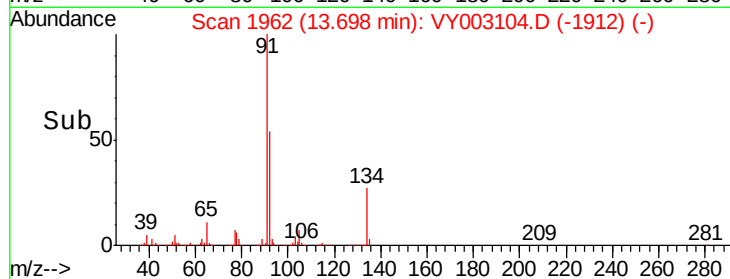
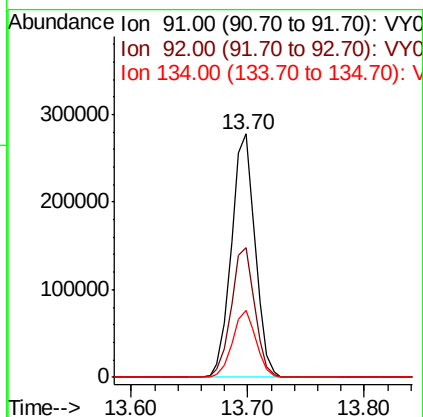
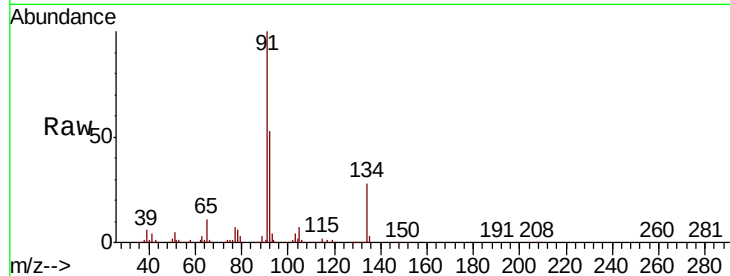




#89
n-Butylbenzene
Concen: 21.394 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

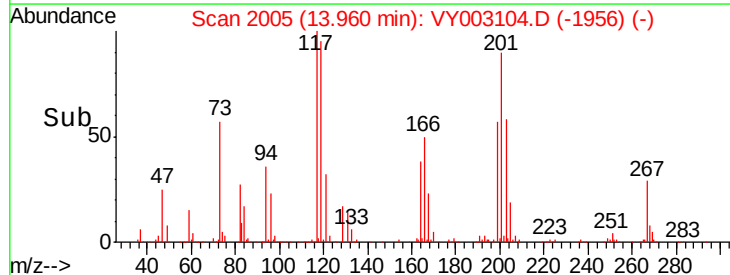
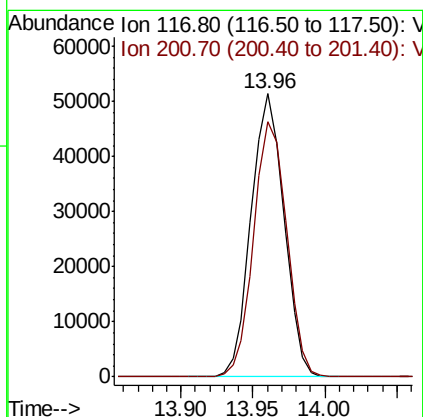
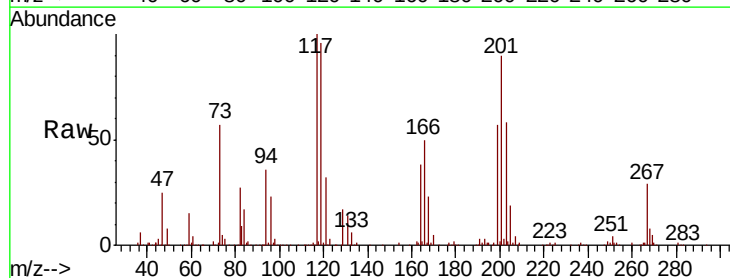
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

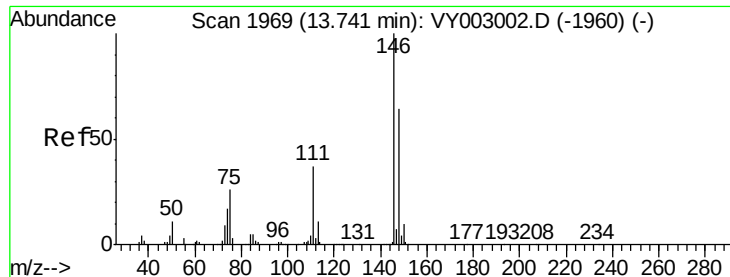
Tot Ion: 91 Resp: 394632
Ion Ratio Lower Upper
91 100
92 52.8 26.8 80.3
134 27.1 13.1 39.1



#90
Hexachloroethane
Concen: 21.196 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion: 117 Resp: 81147
Ion Ratio Lower Upper
117 100
201 90.4 45.5 136.4

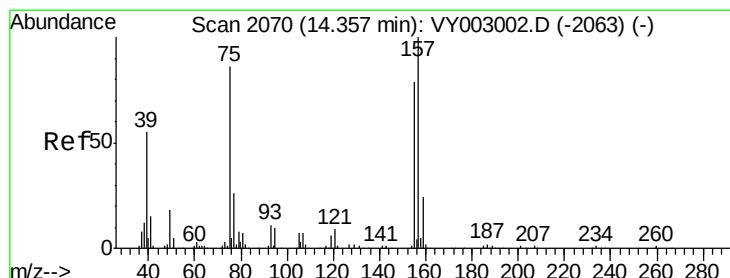
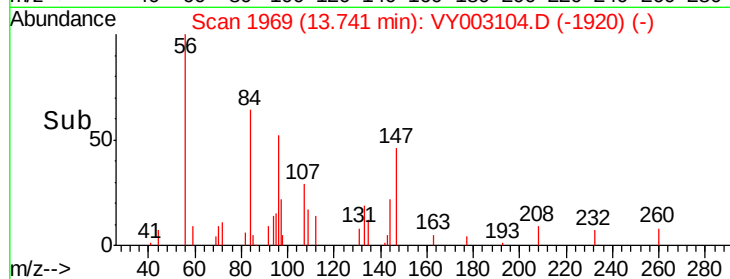
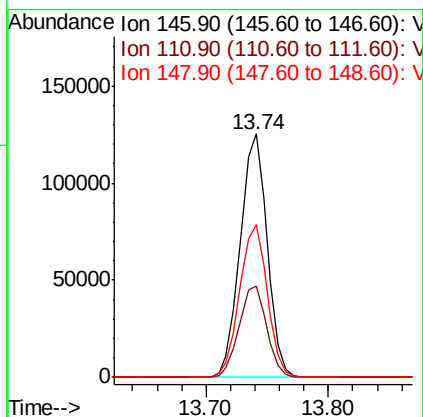
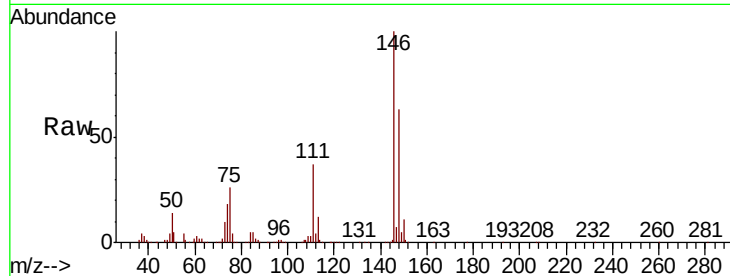




#91
 1,2-Dichlorobenzene
 Concen: 21.702 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

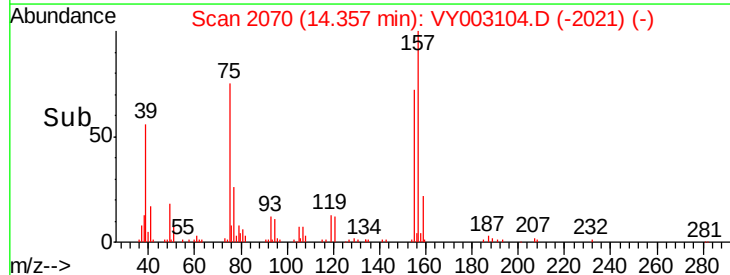
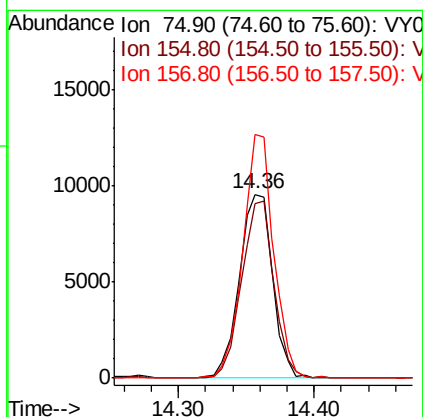
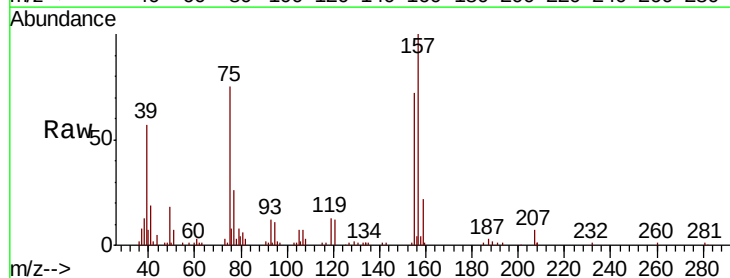
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

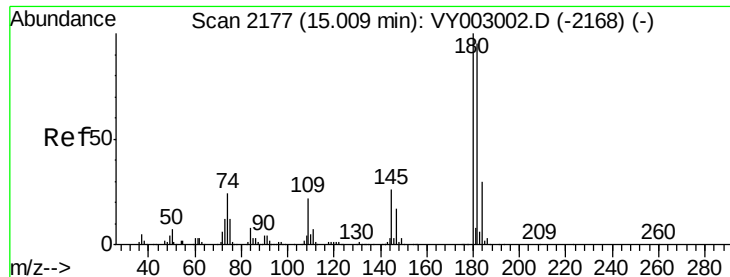
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	64.1	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.325 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	46.5	139.3
157	122.6	59.2	177.5

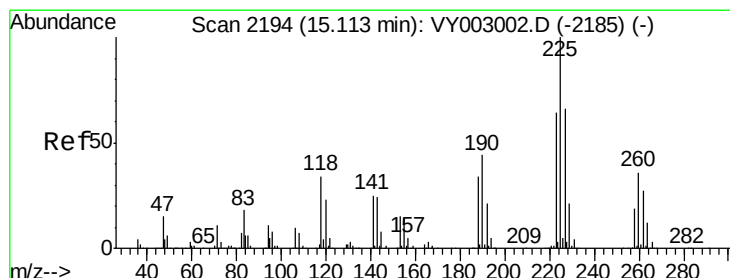
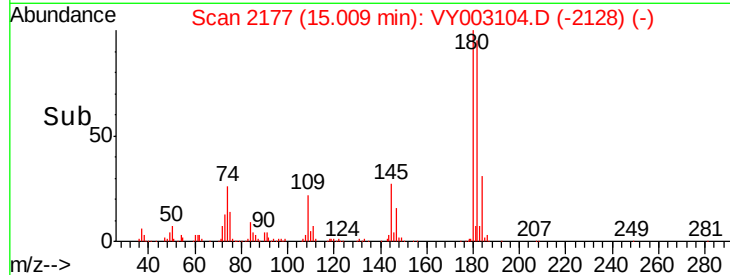
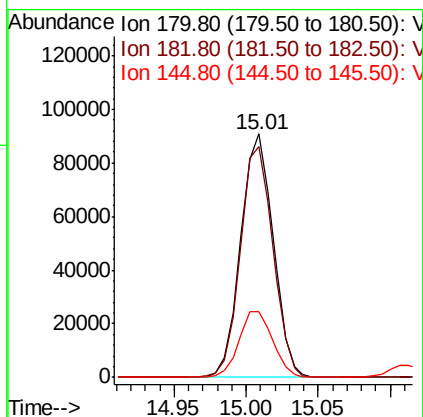
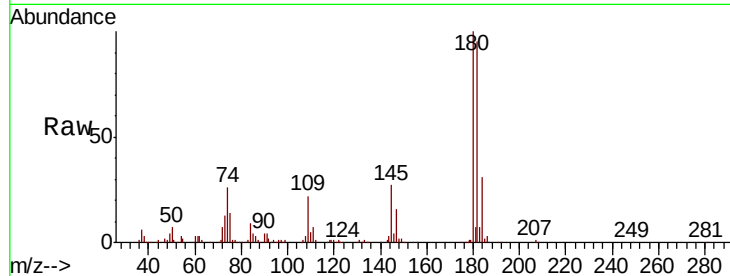




#93
 1,2,4-Trichlorobenzene
 Concen: 21.701 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

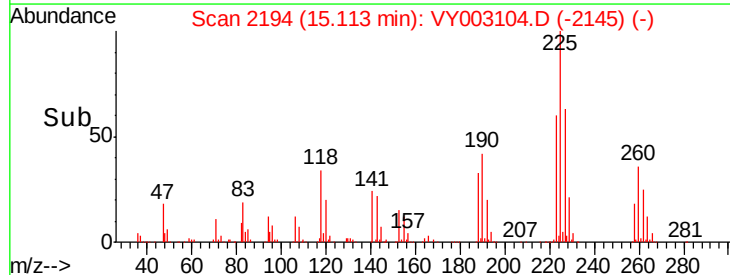
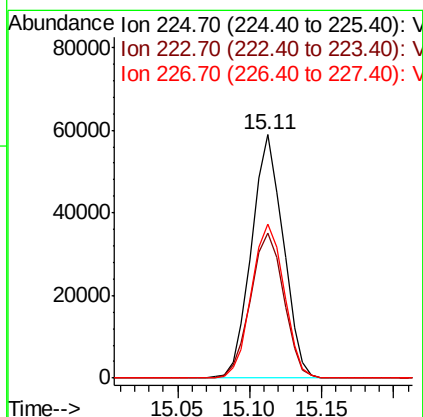
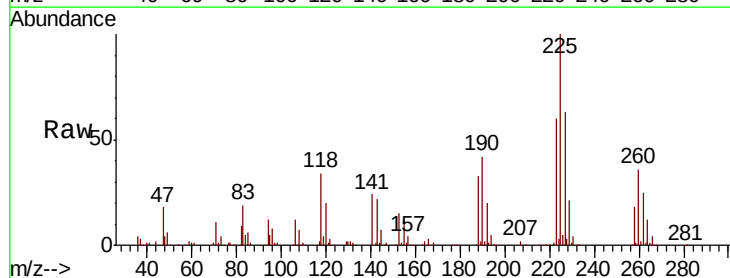
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBS01

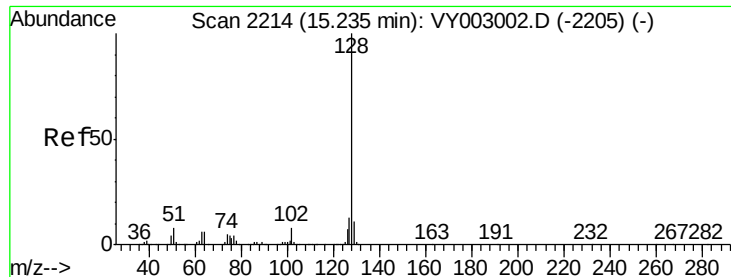
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.1	144.3
145	28.2	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 21.789 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY003104.D
 Acq: 06 Jul 2020 11:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.4	97.0
227	65.1	32.4	97.2

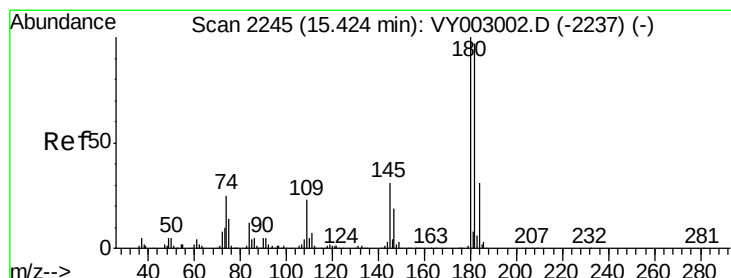
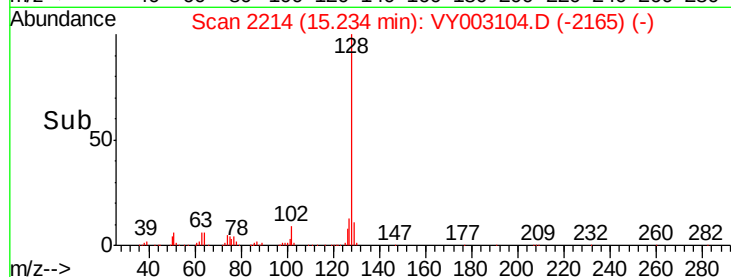
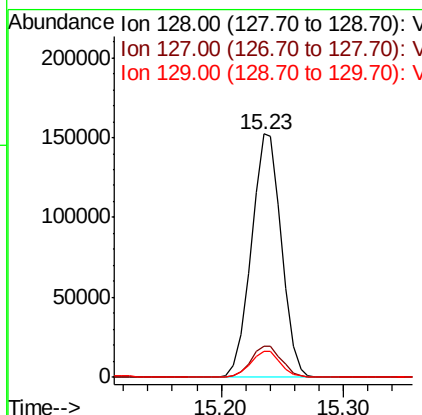
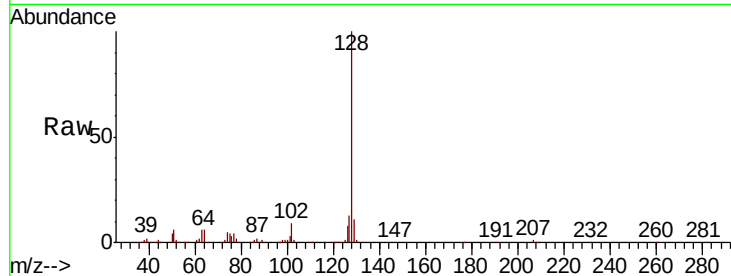




#95
Naphthalene
Concen: 21.786 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	10.8	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.685 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003104.D
Acq: 06 Jul 2020 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	29.7	14.7	44.1

