

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002002.D
 Acq On : 18 Mar 2020 10:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 19 01:23:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	158796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	287492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	83444	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.74	113	79501	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.19	98	333285	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.49	95	115590	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	65347	44.581	ug/l 98
3) Chloromethane	2.13	50	90683	45.887	ug/l 97
4) Vinyl Chloride	2.27	62	97091	48.300	ug/l 98
5) Bromomethane	2.67	94	64822	55.902	ug/l 97
6) Chloroethane	2.82	64	62426	49.437	ug/l 99
7) Trichlorofluoromethane	3.15	101	135886	49.845	ug/l 95
8) Diethyl Ether	3.55	74	54708	50.916	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	90380	51.544	ug/l 99
10) Methyl Iodide	4.12	142	102654	50.624	ug/l 100
11) Tert butyl alcohol	4.99	59	42484	239.905	ug/l 99
12) 1,1-Dichloroethene	3.90	96	89556	50.725	ug/l 96
13) Acrolein	3.76	56	50272	211.029	ug/l 99
14) Allyl chloride	4.51	41	159823	51.063	ug/l 99
15) Acrylonitrile	5.20	53	142512	248.210	ug/l 99
16) Acetone	3.97	43	145987	295.664	ug/l 95
17) Carbon Disulfide	4.22	76	276716	46.624	ug/l 99
18) Methyl Acetate	4.50	43	60617	47.780	ug/l 99
19) Methyl tert-butyl Ether	5.25	73	245492	51.310	ug/l 96
20) Methylene Chloride	4.75	84	103011	48.678	ug/l 98
21) trans-1,2-Dichloroethene	5.25	96	101134	50.468	ug/l 96
22) Diisopropyl ether	6.15	45	333212	51.936	ug/l 98
23) Vinyl Acetate	6.10	43	1075270	255.651	ug/l 97
24) 1,1-Dichloroethane	6.05	63	180126	51.844	ug/l 99
25) 2-Butanone	7.02	43	197935	263.606	ug/l 98
26) 2,2-Dichloropropane	7.01	77	152768	53.572	ug/l 99
27) cis-1,2-Dichloroethene	7.02	96	111761	51.271	ug/l 98
28) Bromochloromethane	7.36	49	80612	51.475	ug/l 100
29) Tetrahydrofuran	7.37	42	118146	236.942	ug/l 99
30) Chloroform	7.53	83	171987	52.688	ug/l 97
31) Cyclohexane	7.81	56	180353	48.413	ug/l 97
32) 1,1,1-Trichloroethane	7.73	97	147005	53.432	ug/l 98
36) 1,1-Dichloropropene	7.94	75	144342	52.174	ug/l 100
37) Ethyl Acetate	7.10	43	82146	51.088	ug/l 99
38) Carbon Tetrachloride	7.92	117	124674	52.753	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	188243	51.302	ug/l	96
40) Benzene	8.19	78	419686	51.181	ug/l	100
41) Methacrylonitrile	7.37	41	107185	148.122	ug/l #	1
42) 1,2-Dichloroethane	8.26	62	108662	51.425	ug/l	100
43) Isopropyl Acetate	8.29	43	152482	50.089	ug/l	99
44) Trichloroethene	8.96	130	103014	51.583	ug/l	98
45) 1,2-Dichloropropane	9.24	63	107990	52.388	ug/l	99
46) Dibromomethane	9.32	93	54258	51.078	ug/l	99
47) Bromodichloromethane	9.52	83	131899	53.378	ug/l	98
48) Methyl methacrylate	9.31	41	67938	50.294	ug/l	96
49) 1,4-Dioxane	9.32	88	13729	943.209	ug/l	92
51) 4-Methyl-2-Pentanone	10.09	43	404600	258.035	ug/l	99
52) Toluene	10.26	92	258934	51.981	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	144249	53.581	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	168532	52.586	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	80182	51.577	ug/l	96
56) Ethyl methacrylate	10.52	69	117219	51.442	ug/l	97
57) 1,3-Dichloropropane	10.80	76	142412	51.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	191895	239.557	ug/l	99
59) 2-Hexanone	10.85	43	293338	262.104	ug/l	99
60) Dibromochloromethane	11.00	129	88271	53.885	ug/l	100
61) 1,2-Dibromoethane	11.10	107	75825	51.491	ug/l	99
64) Tetrachloroethene	10.74	164	83800	52.285	ug/l	97
65) Chlorobenzene	11.53	112	266053	52.245	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	89823	53.788	ug/l	100
67) Ethyl Benzene	11.61	91	502346	52.894	ug/l	99
68) m/p-Xylenes	11.72	106	372524	106.095	ug/l	100
69) o-Xylene	12.04	106	174852	52.834	ug/l	99
70) Styrene	12.06	104	305261	53.855	ug/l	99
71) Bromoform	12.22	173	48929	54.027	ug/l #	100
73) Isopropylbenzene	12.34	105	476239	53.180	ug/l	100
74) N-amyl acetate	12.16	43	136645	49.647	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	99667	51.609	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	126675	91.003	ug/l #	100
77) Bromobenzene	12.62	156	100098	52.757	ug/l	96
78) n-propylbenzene	12.68	91	593884	53.754	ug/l	100
79) 2-Chlorotoluene	12.77	91	320596	52.523	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	390589	52.980	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	36010	52.255	ug/l	98
82) 4-Chlorotoluene	12.86	91	335280	52.755	ug/l	98
83) tert-Butylbenzene	13.08	119	337389	55.099	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	385758	52.725	ug/l	99
85) sec-Butylbenzene	13.27	105	489999	54.289	ug/l	100
86) p-Isopropyltoluene	13.38	119	419290	53.853	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	195901	52.689	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	195596	51.856	ug/l	99
89) n-Butylbenzene	13.70	91	429405	53.159	ug/l	100
90) Hexachloroethane	13.97	117	79930	54.418	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	178381	52.810	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	14384	47.732	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	112923	51.551	ug/l	99
94) Hexachlorobutadiene	15.12	225	55890	52.333	ug/l	99
95) Naphthalene	15.25	128	258091	49.672	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	99367	51.493	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

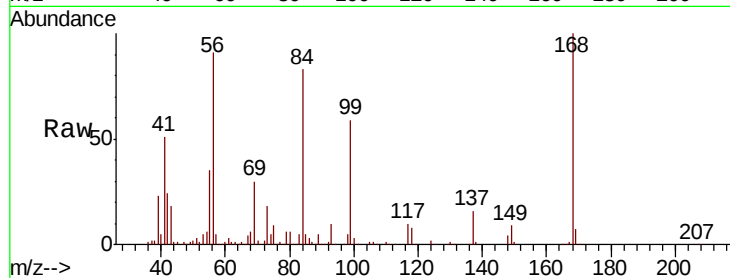
ClientSampled :

Tot Ion:168 Resp: 158796

Ion Ratio Lower Upper

168 100

99 58.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.82

80000

60000

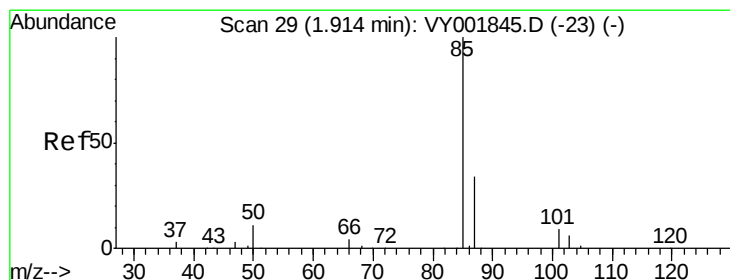
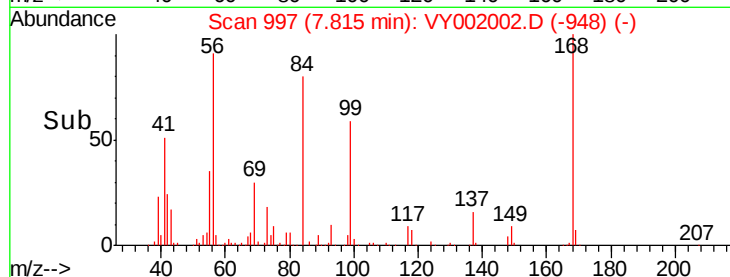
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.581 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY002002.D

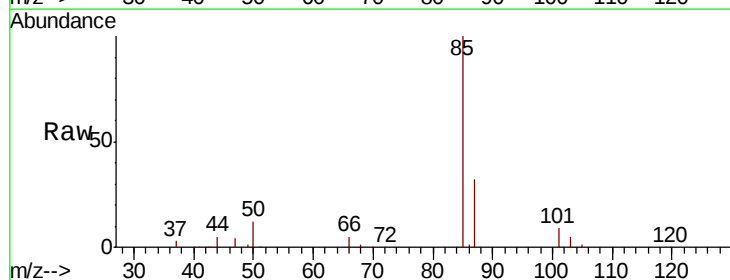
Acq: 18 Mar 2020 10:10

Tgt Ion: 85 Resp: 65347

Ion Ratio Lower Upper

85 100

87 32.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

50000

40000

30000

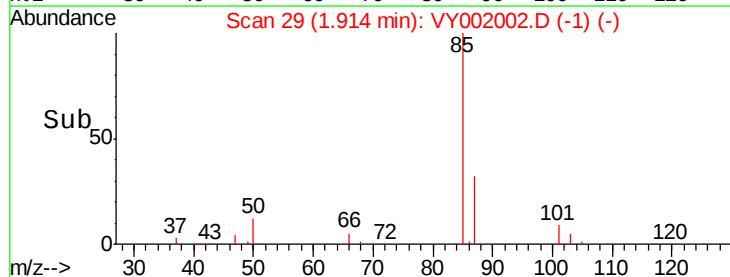
20000

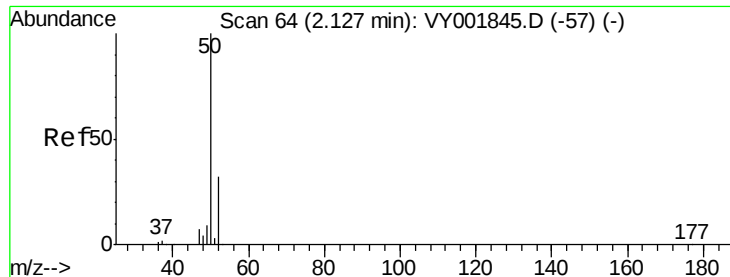
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 45.887 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

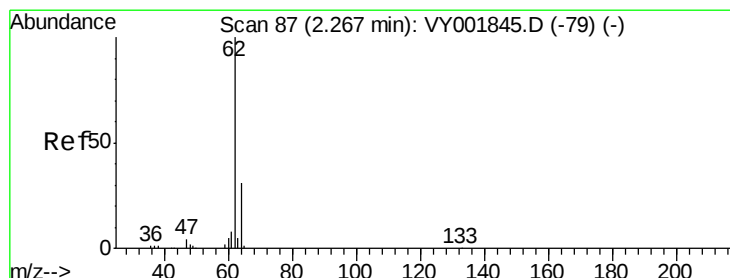
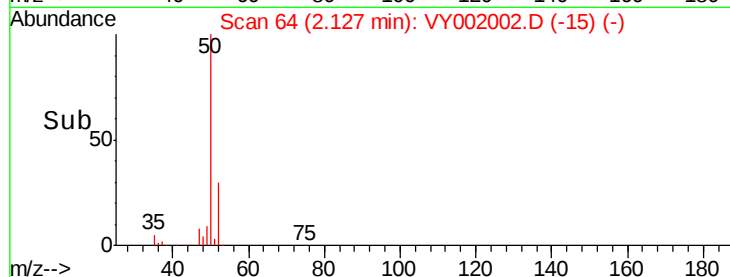
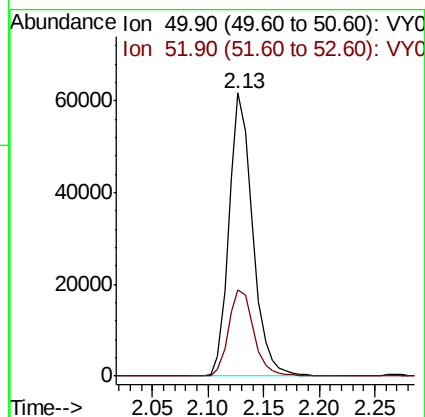
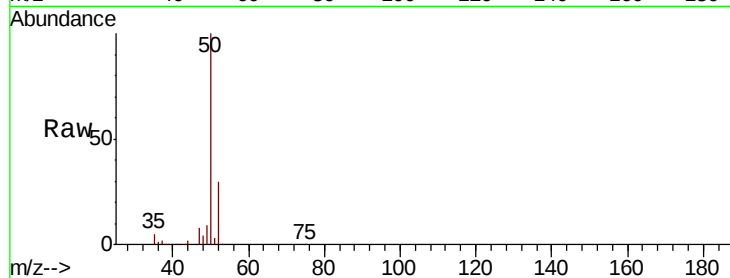
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 50 Resp: 90683

Ion Ratio Lower Upper

50 100

52 30.4 25.8 38.6



#4

Vinyl Chloride

Concen: 48.300 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY002002.D

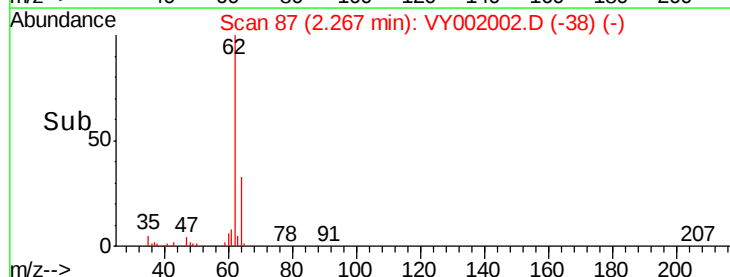
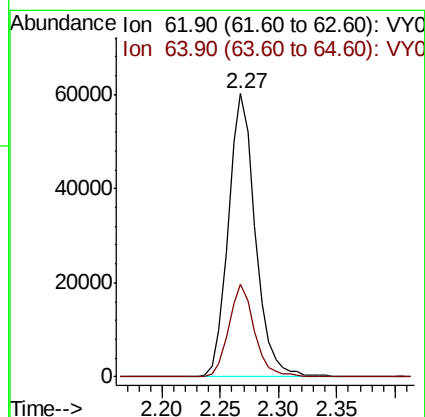
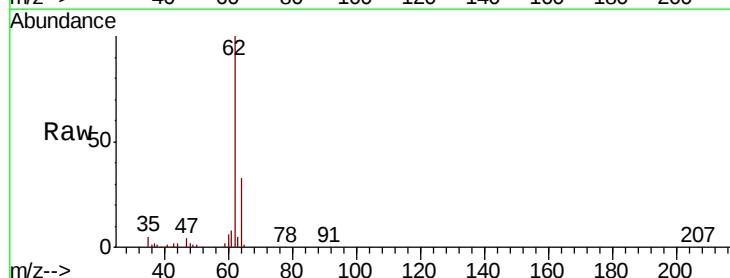
Acq: 18 Mar 2020 10:10

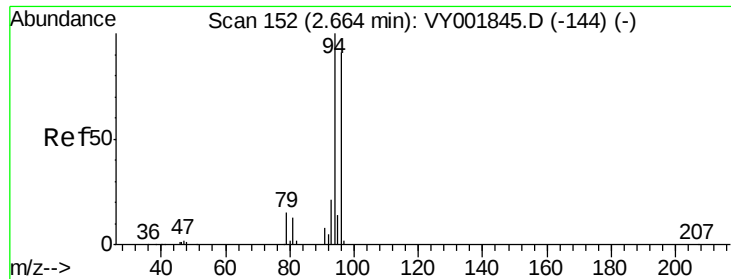
Tgt Ion: 62 Resp: 97091

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7





#5

Bromomethane

Concen: 55.902 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

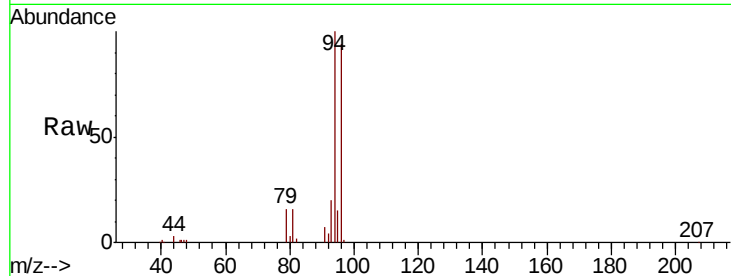
ClientSampleId :

Tot Ion: 94 Resp: 64822

Ion Ratio Lower Upper

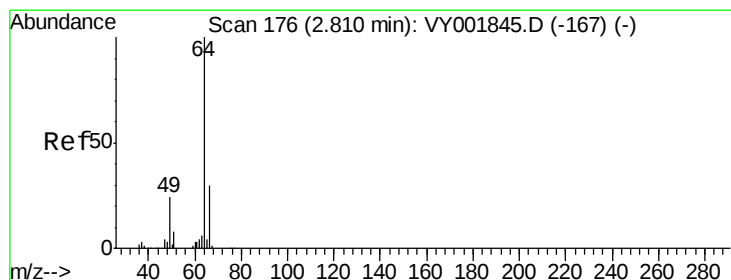
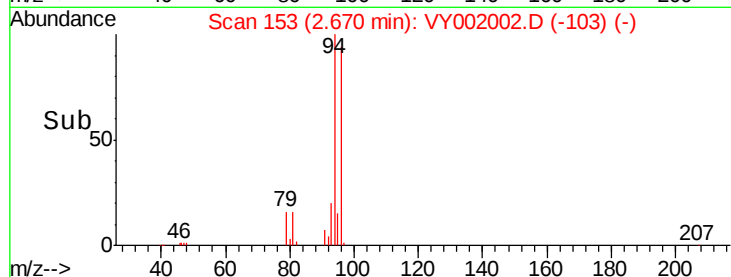
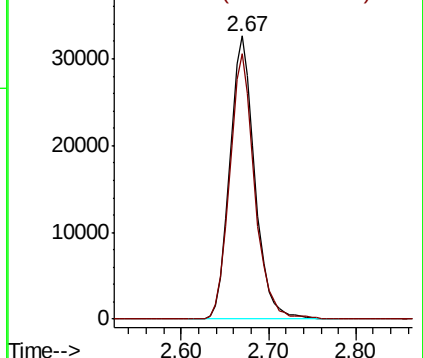
94 100

96 93.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 49.437 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002002.D

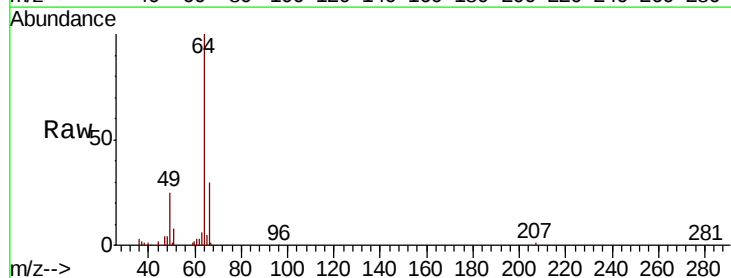
Acq: 18 Mar 2020 10:10

Tgt Ion: 64 Resp: 62426

Ion Ratio Lower Upper

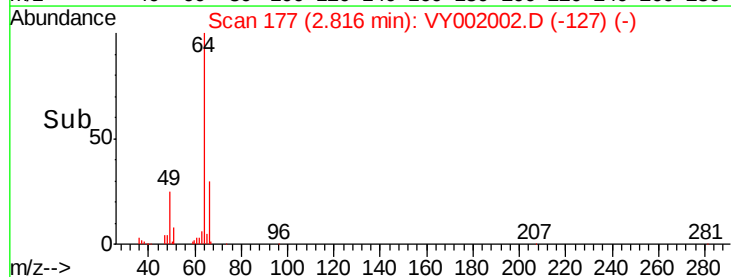
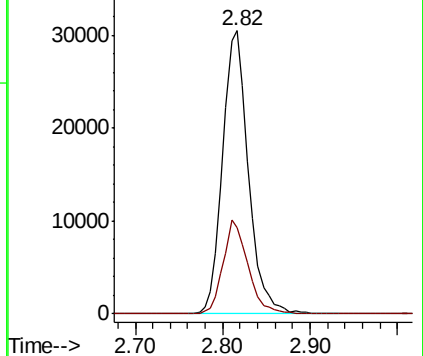
64 100

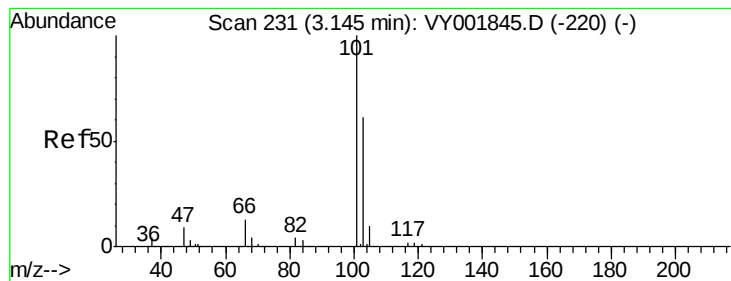
66 30.4 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



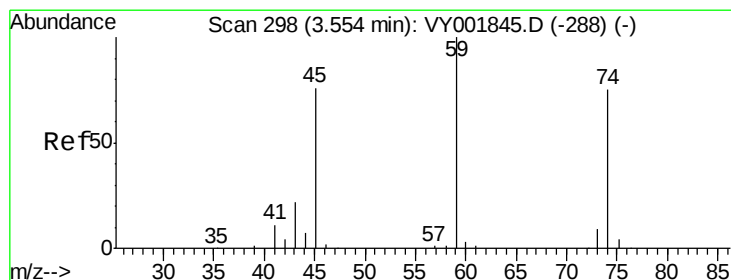
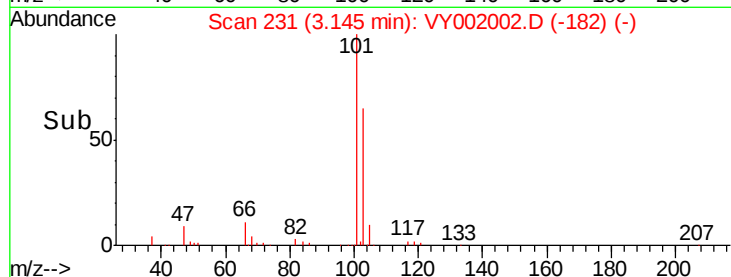
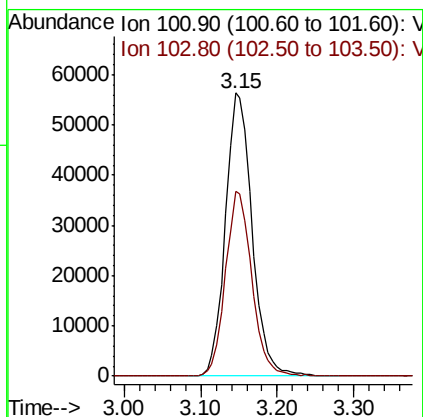
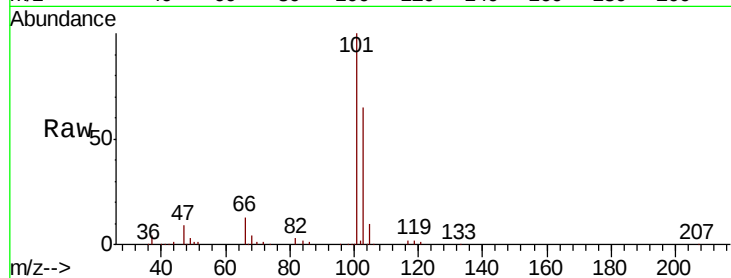


#7

Trichlorofluoromethane
 Concen: 49.845 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampled :

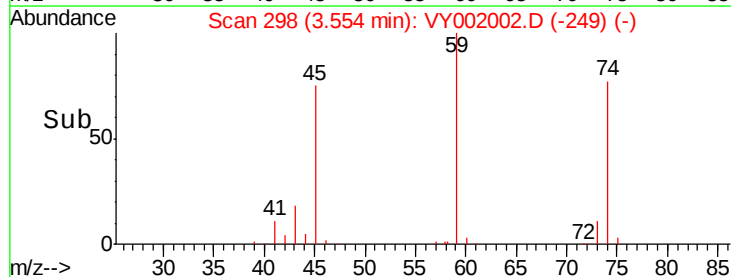
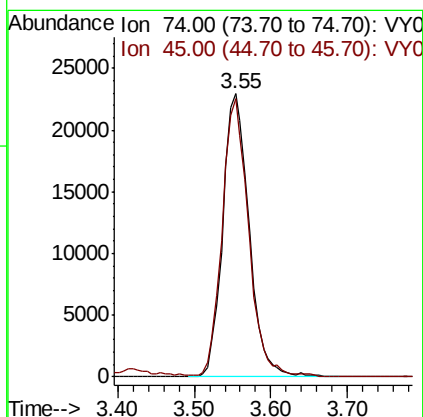
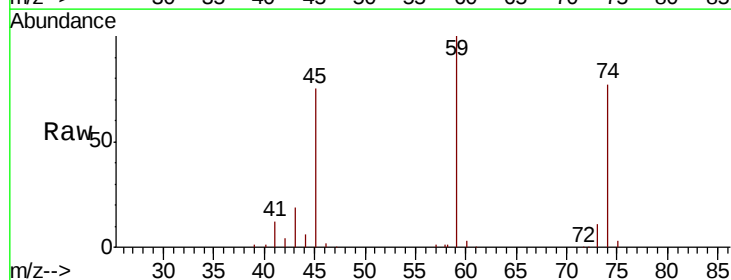
Tot Ion:101 Resp: 135886
 Ion Ratio Lower Upper
 101 100
 103 65.3 49.1 73.7

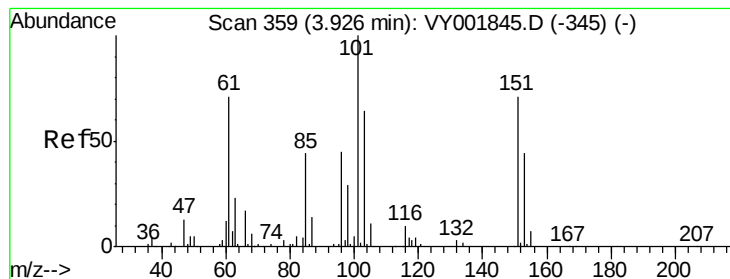


#8

Diethyl Ether
 Concen: 50.916 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Tgt Ion: 74 Resp: 54708
 Ion Ratio Lower Upper
 74 100
 45 99.2 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.544 ug/l

RT: 3.93 min Scan# 359

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

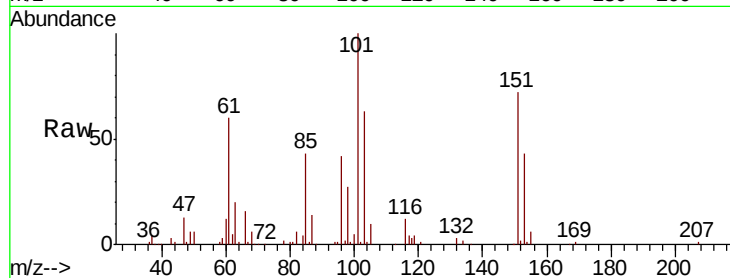
Tot Ion:101 Resp: 90380

Ion Ratio Lower Upper

101 100

85 43.5 35.3 52.9

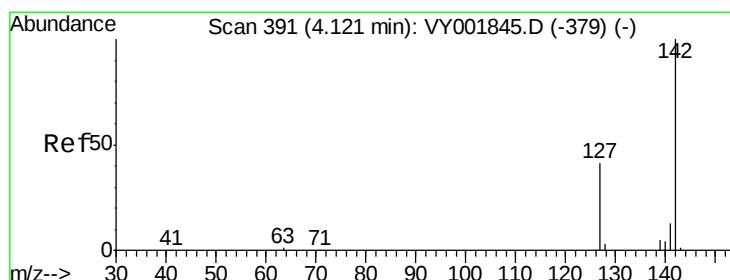
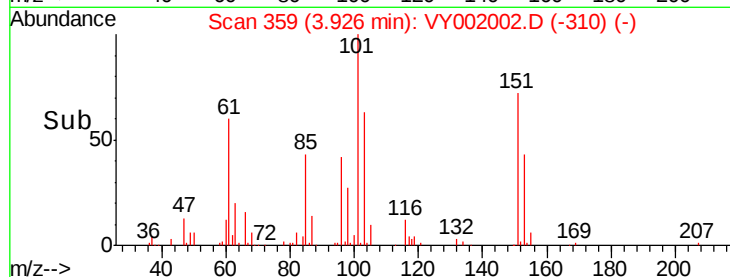
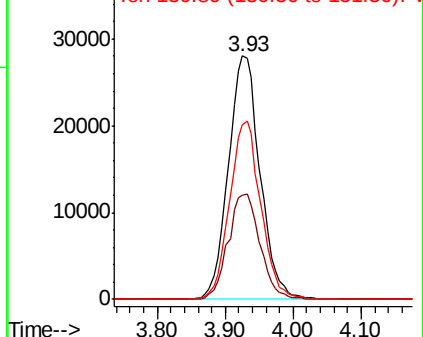
151 72.2 57.0 85.4



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: 50.624 ug/l

RT: 4.12 min Scan# 391

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

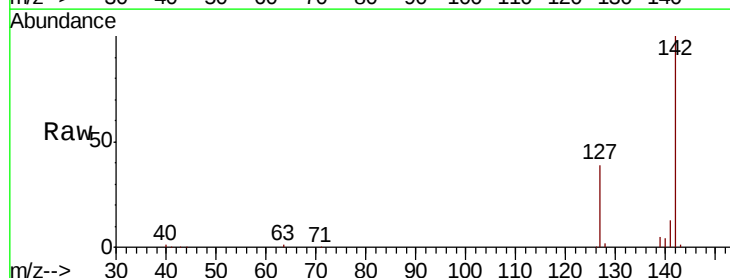
Tgt Ion:142 Resp: 102654

Ion Ratio Lower Upper

142 100

127 40.7 32.7 49.1

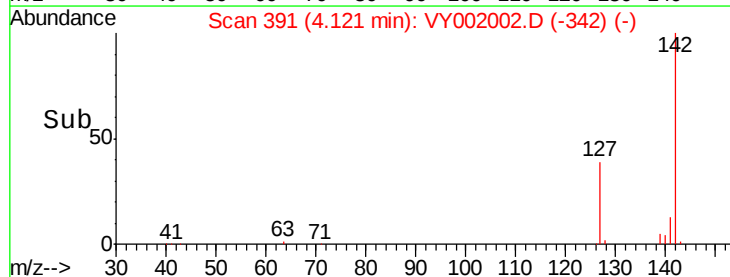
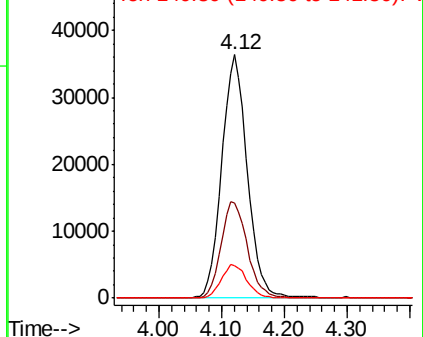
141 13.9 11.0 16.6

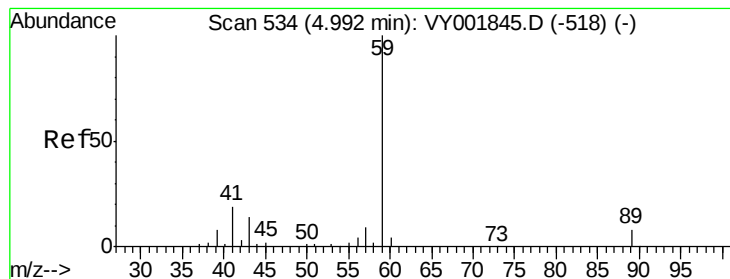


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



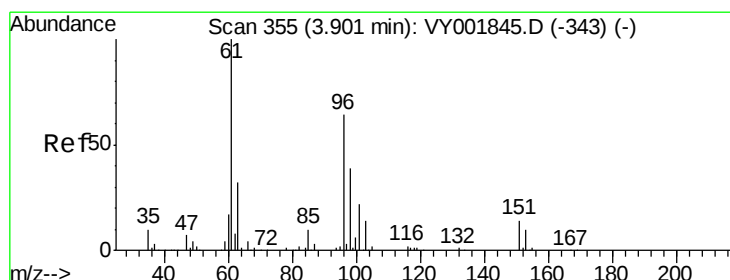
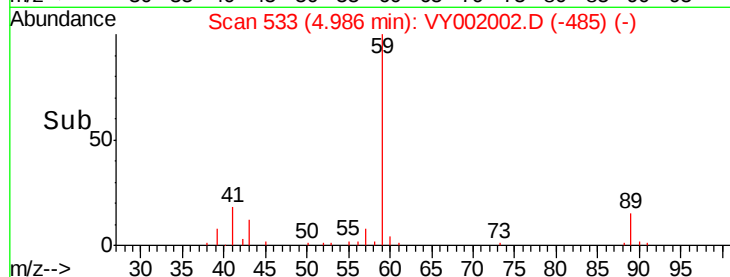
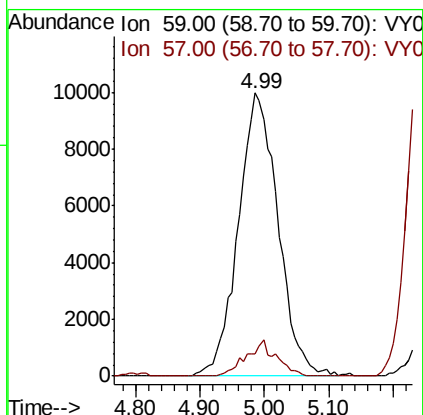
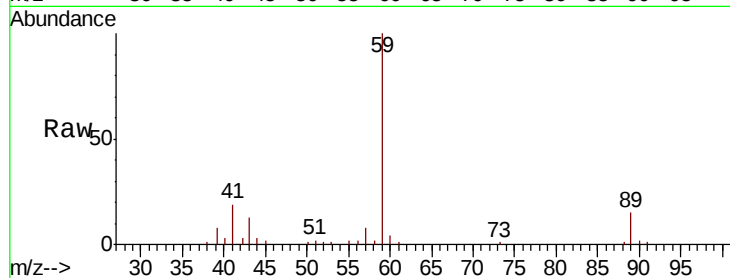


#11

Tert butyl alcohol
 Concen: 239.905 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampled :

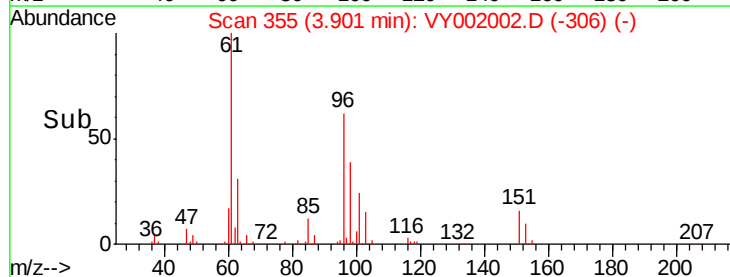
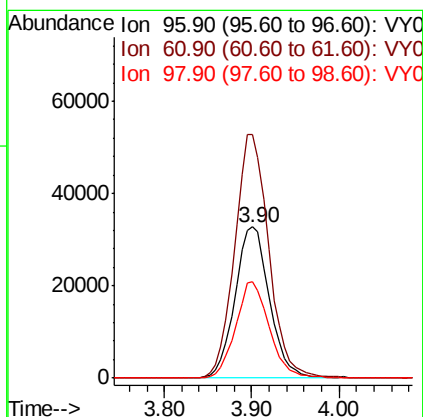
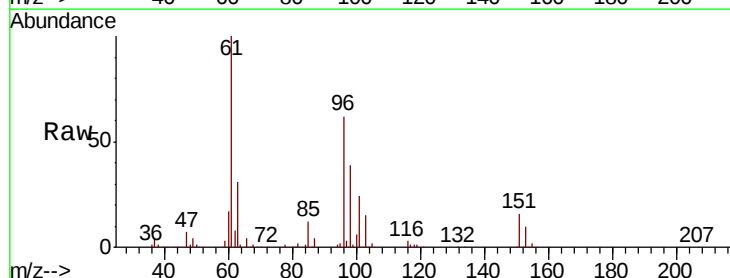
Tot Ion: 59 Resp: 42484
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.4 11.2

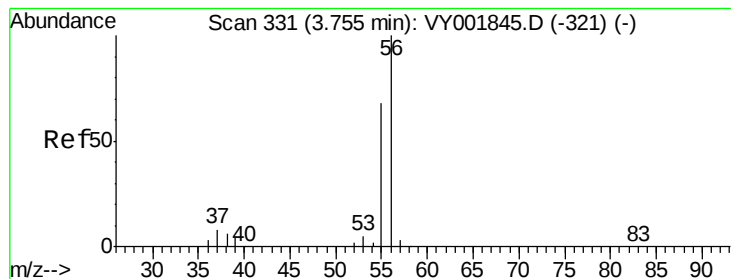


#12

1,1-Dichloroethene
 Concen: 50.725 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Tgt Ion: 96 Resp: 89556
 Ion Ratio Lower Upper
 96 100
 61 161.3 124.8 187.2
 98 63.5 49.2 73.8





#13

Acrolein

Concen: 211.029 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

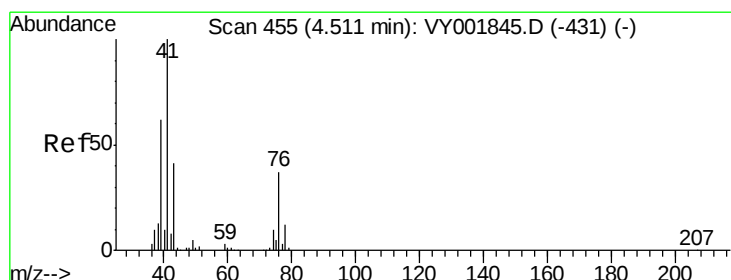
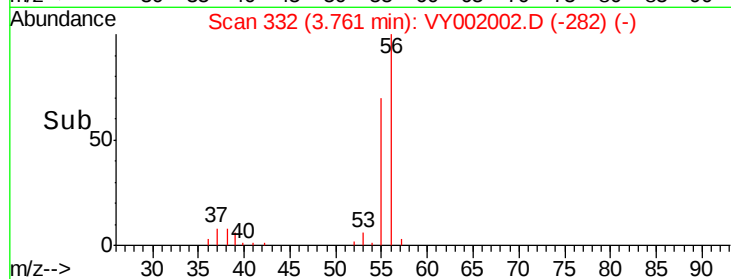
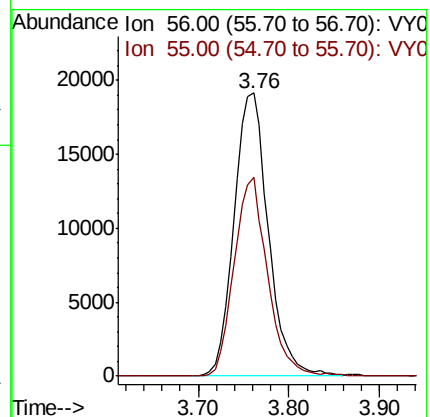
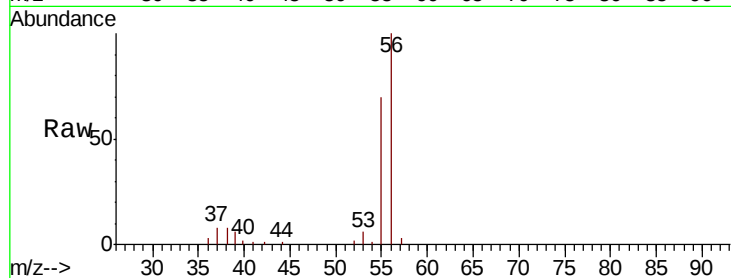
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 50272

Ion Ratio Lower Upper

56 100

55 68.3 54.0 81.0



#14

Allyl chloride

Concen: 51.063 ug/l

RT: 4.51 min Scan# 455

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

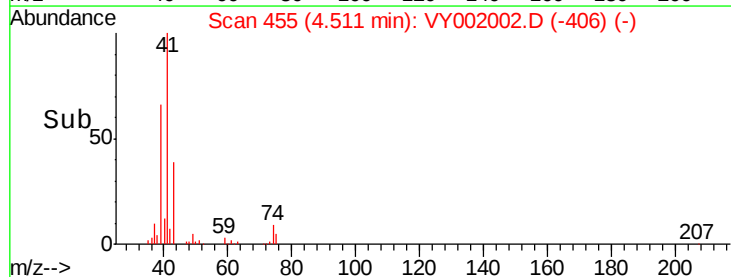
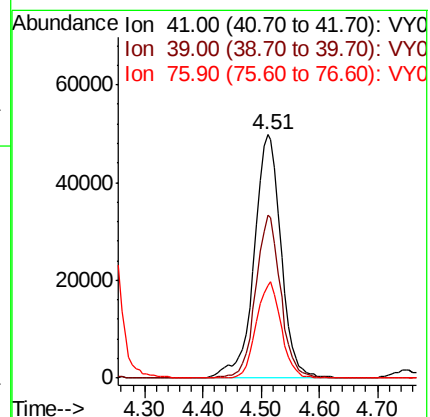
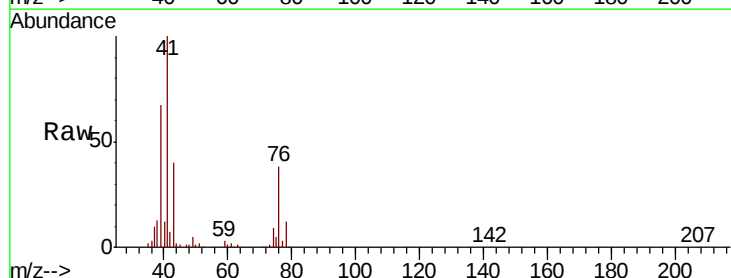
Tgt Ion: 41 Resp: 159823

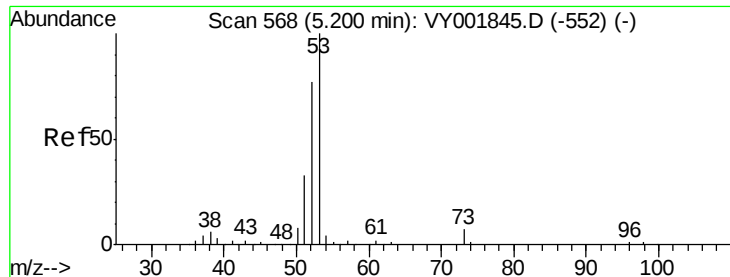
Ion Ratio Lower Upper

41 100

39 62.3 49.0 73.6

76 36.5 28.9 43.3





#15

Acrylonitrile

Concen: 248.210 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampled :

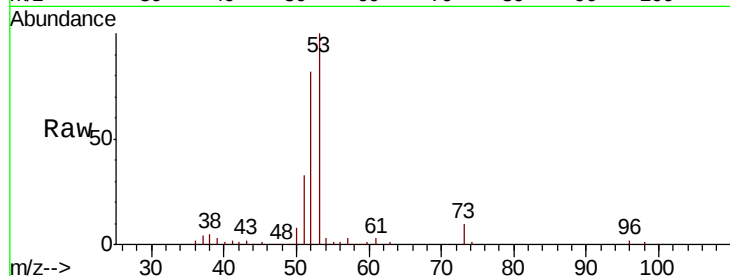
Tot Ion: 53 Resp: 142512

Ion Ratio Lower Upper

53 100

52 80.1 65.1 97.7

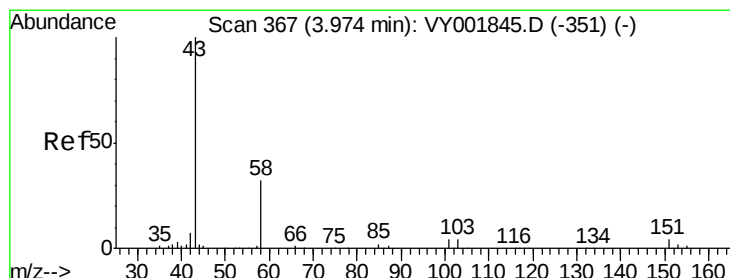
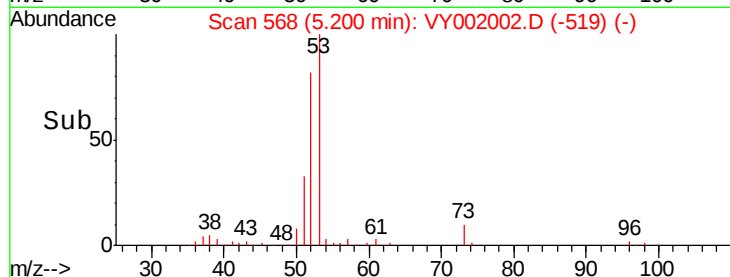
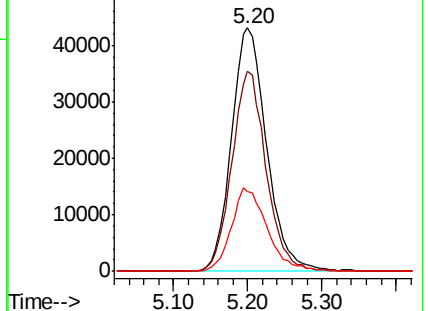
51 34.9 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VY001845.D (-552) (-)

Ion 52.00 (51.70 to 52.70): VY001845.D (-552) (-)

Ion 51.00 (50.70 to 51.70): VY001845.D (-552) (-)



#16

Acetone

Concen: 295.664 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY002002.D

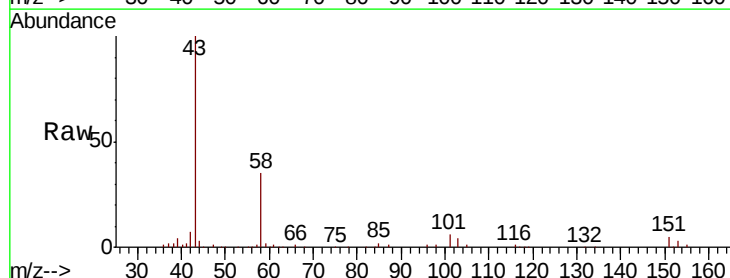
Acq: 18 Mar 2020 10:10

Tgt Ion: 43 Resp: 145987

Ion Ratio Lower Upper

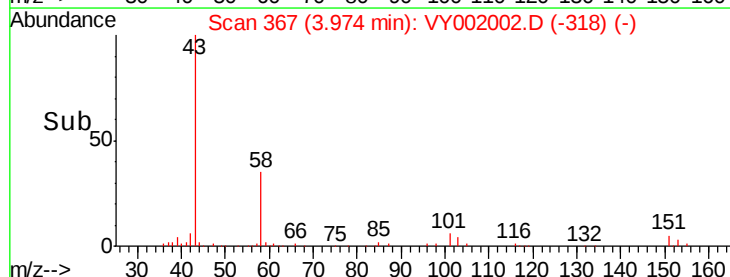
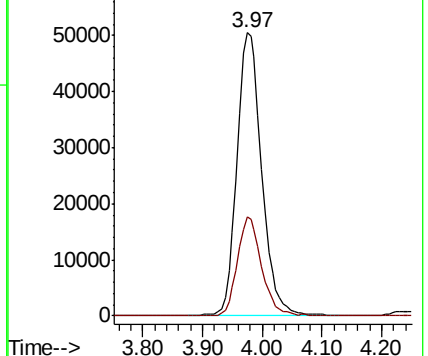
43 100

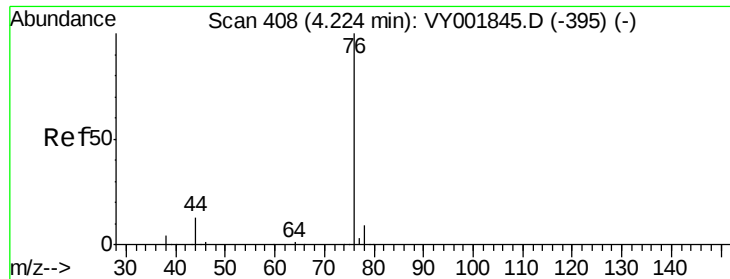
58 35.2 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)

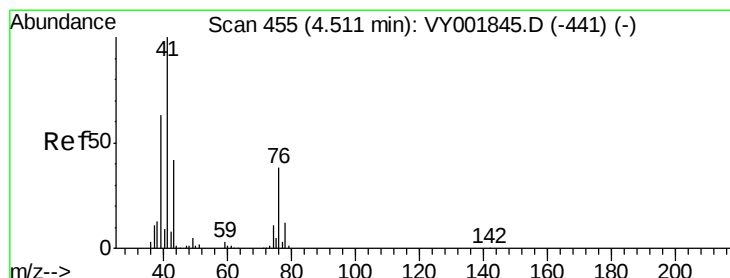
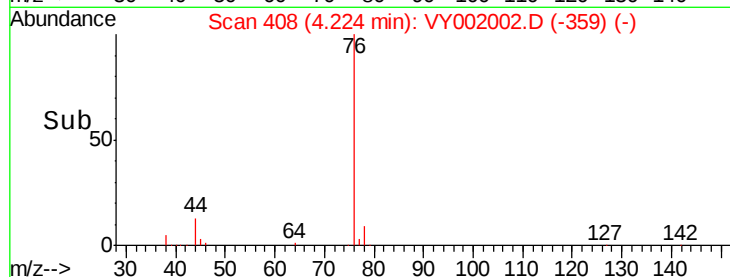
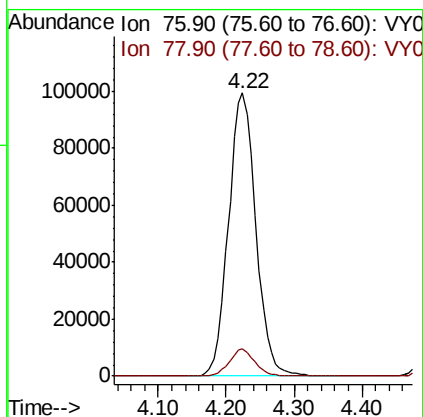
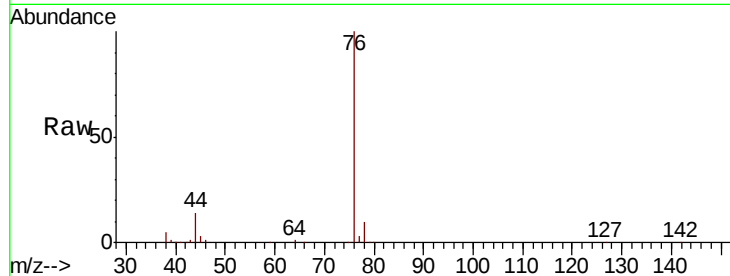




#17
Carbon Disulfide
Concen: 46.624 ug/l
RT: 4.22 min Scan# 408
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

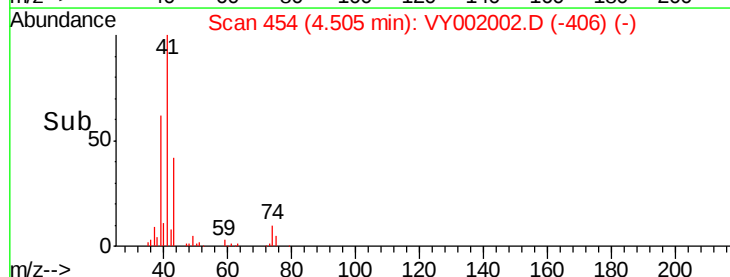
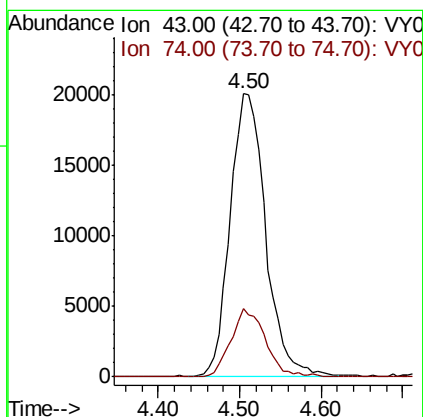
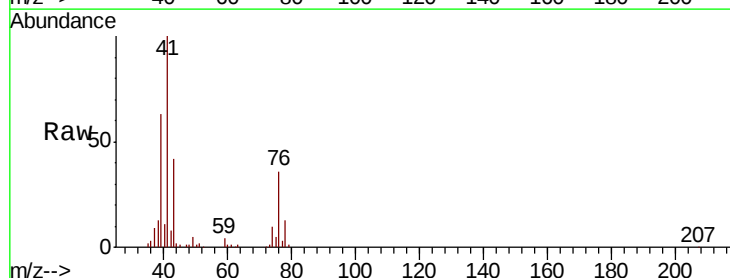
Instrument :
MSVOA_Y
ClientSampled :

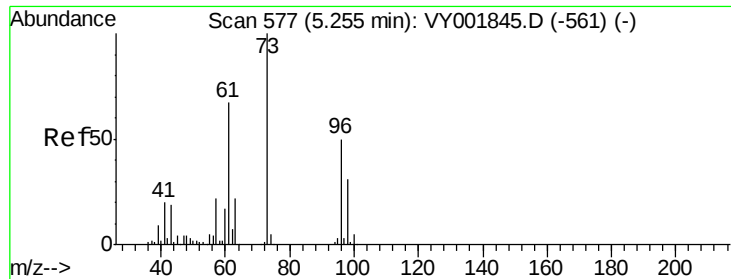
Tot Ion: 76 Resp: 276716
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2



#18
Methyl Acetate
Concen: 47.780 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion: 43 Resp: 60617
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.6

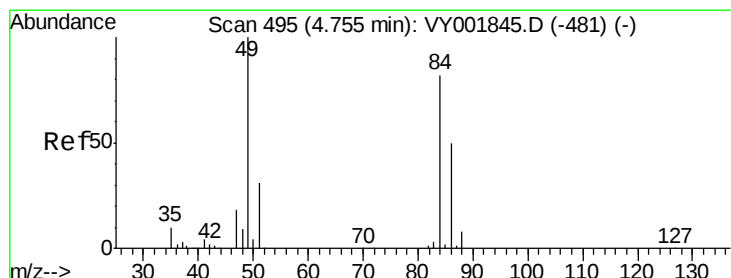
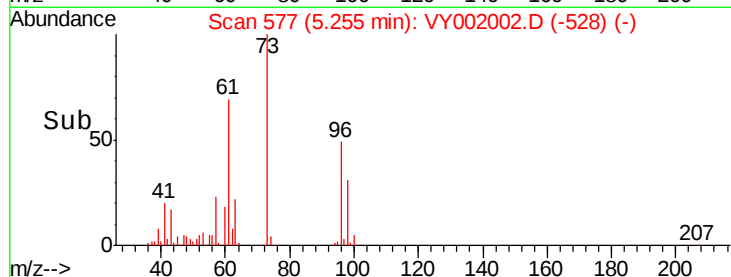
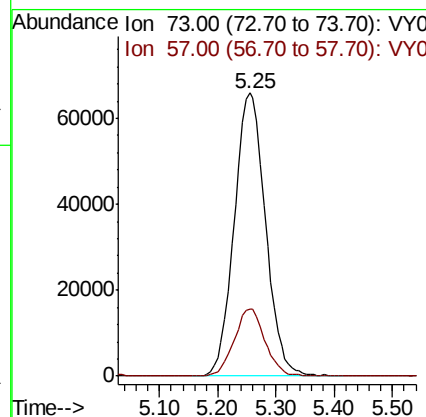
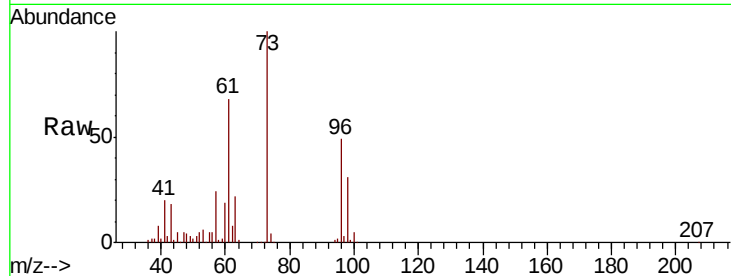




#19
Methyl tert-butyl Ether
Concen: 51.310 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

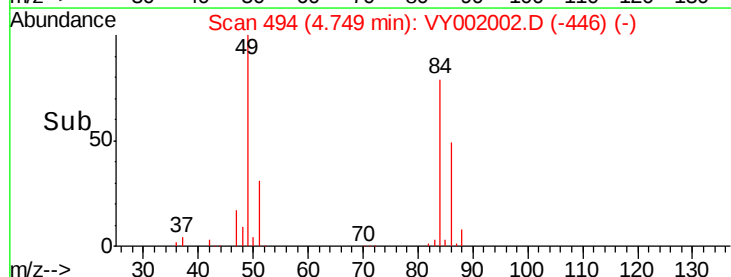
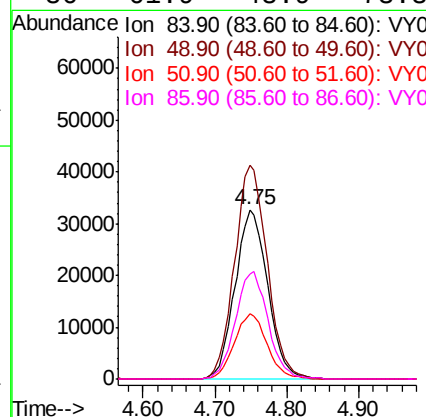
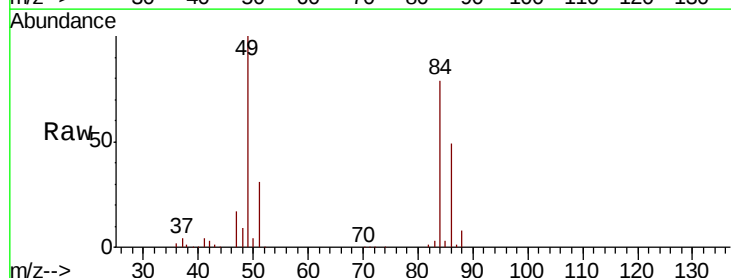
Instrument :
MSVOA_Y
ClientSampleId :

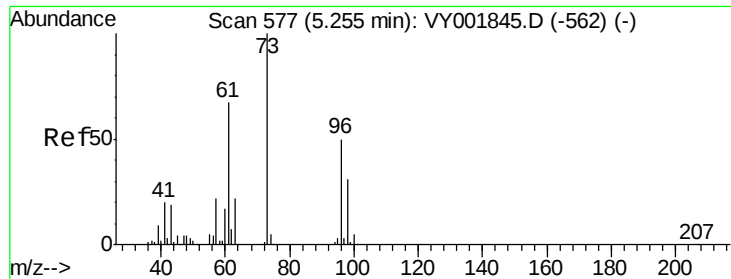
Tot Ion: 73 Resp: 245492
Ion Ratio Lower Upper
73 100
57 23.7 17.4 26.2



#20
Methylene Chloride
Concen: 48.678 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion: 84 Resp: 103011
Ion Ratio Lower Upper
84 100
49 126.3 98.2 147.2
51 39.0 30.2 45.2
86 61.9 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 50.468 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampled :

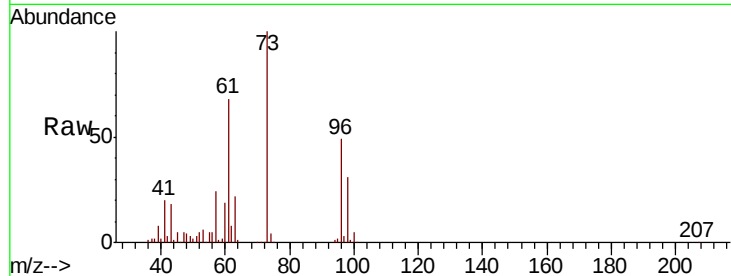
Tot Ion: 96 Resp: 101134

Ion Ratio Lower Upper

96 100

61 140.5 107.7 161.5

98 63.7 49.3 73.9

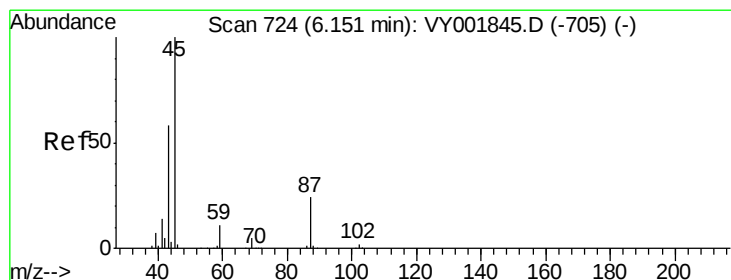
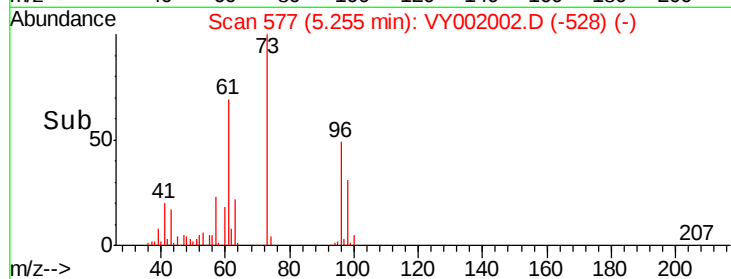
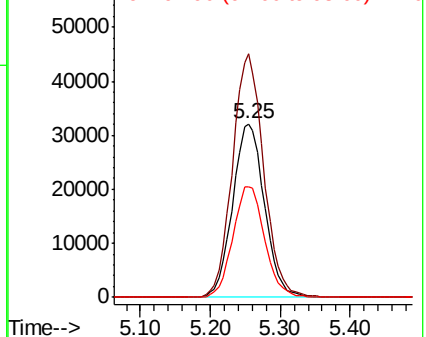


Abundance

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: 51.936 ug/l

RT: 6.15 min Scan# 724

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Tgt Ion: 45 Resp: 333212

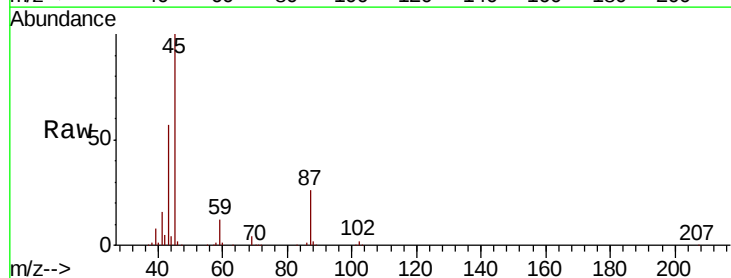
Ion Ratio Lower Upper

45 100

43 57.1 47.2 70.8

87 25.6 19.8 29.8

59 11.8 8.8 13.2



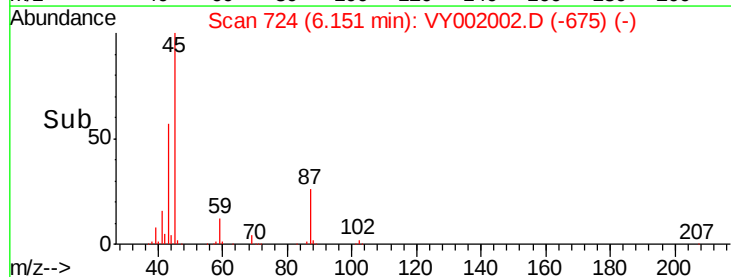
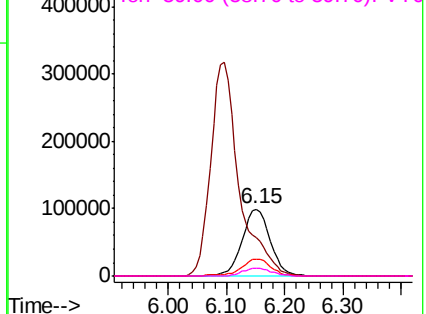
Abundance

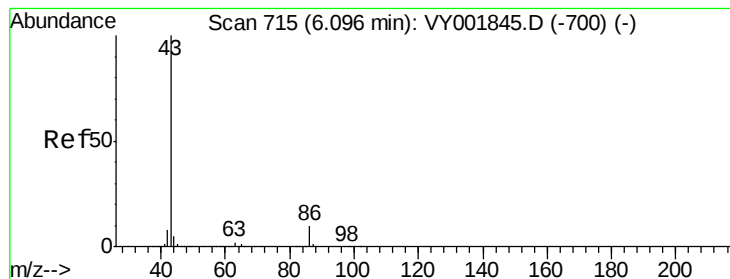
Ion 45.00 (44.70 to 45.70): VY0

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: 255.651 ug/l

RT: 6.10 min Scan# 715

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

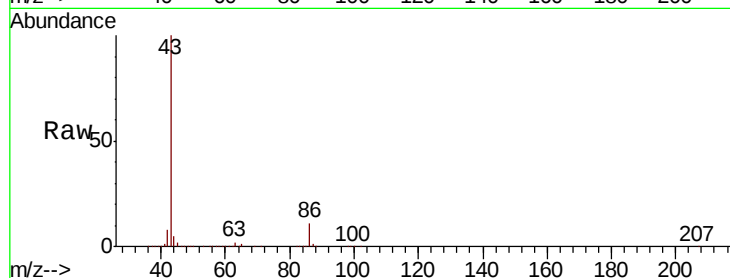
ClientSampleId :

Tot Ion: 43 Resp: 1075270

Ion Ratio Lower Upper

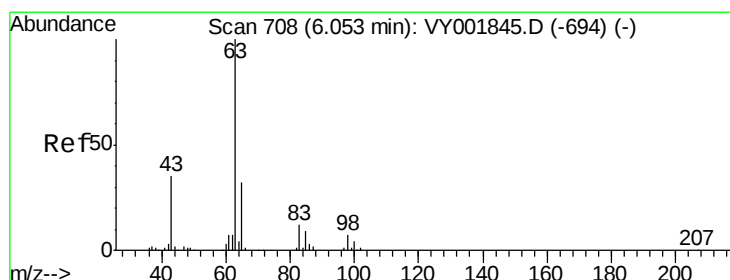
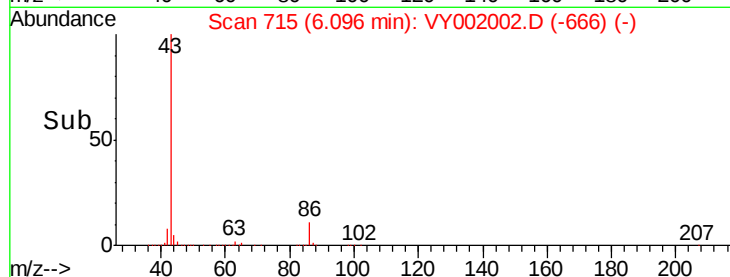
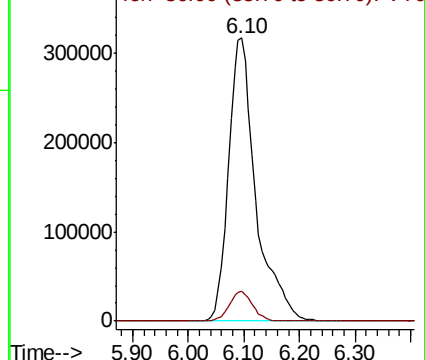
43 100

86 10.8 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 51.844 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

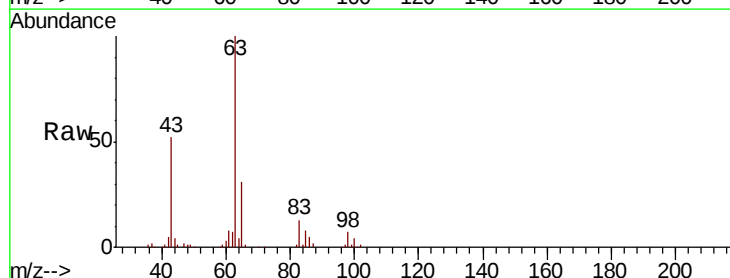
Tgt Ion: 63 Resp: 180126

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

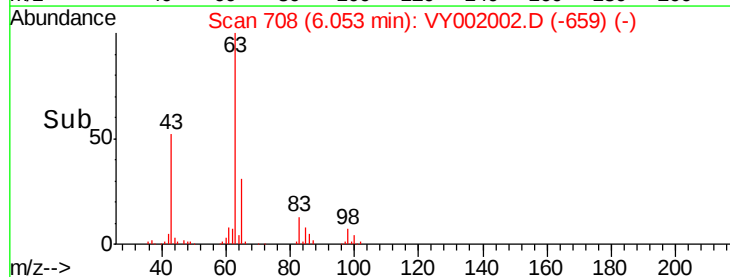
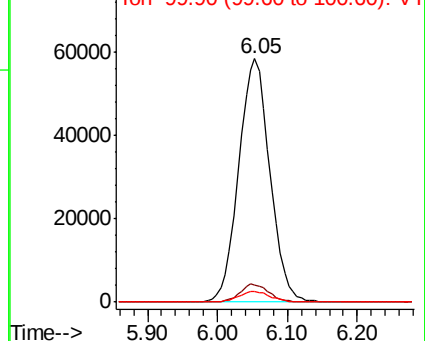
100 4.3 2.0 6.0

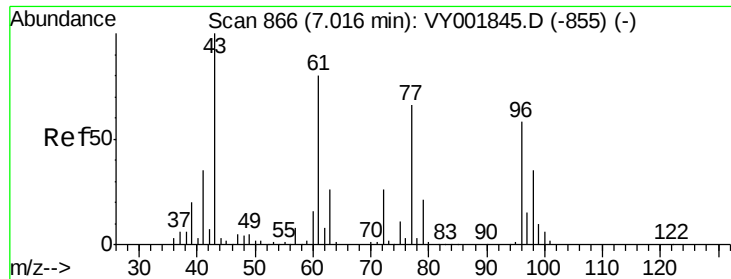


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 263.606 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

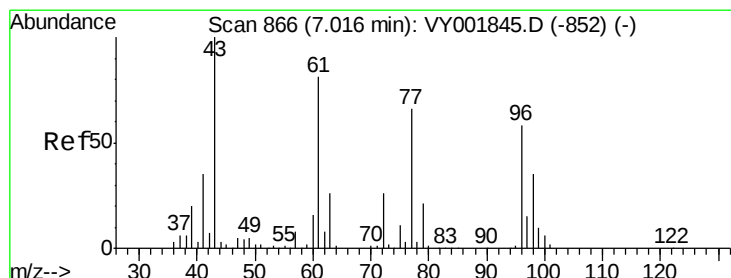
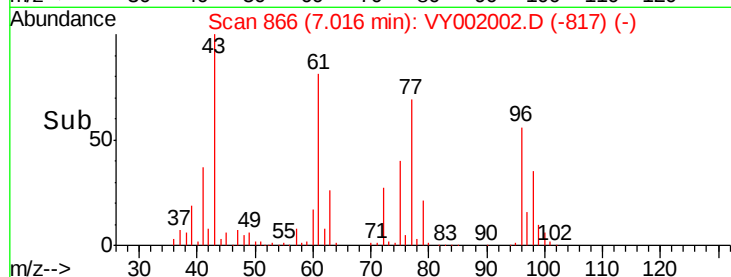
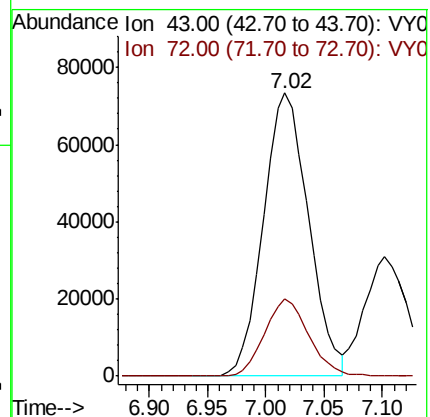
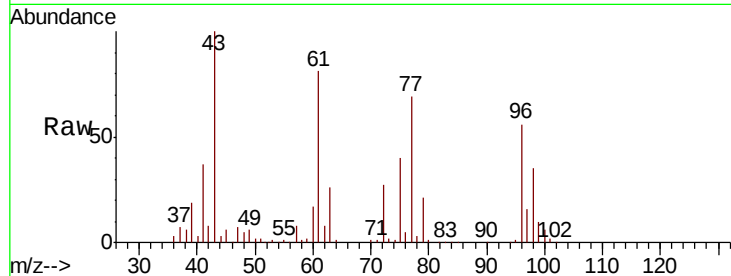
ClientSampled :

Tot Ion: 43 Resp: 197935

Ion Ratio Lower Upper

43 100

72 27.1 20.9 31.3



#26

2,2-Dichloropropane

Concen: 53.572 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002002.D

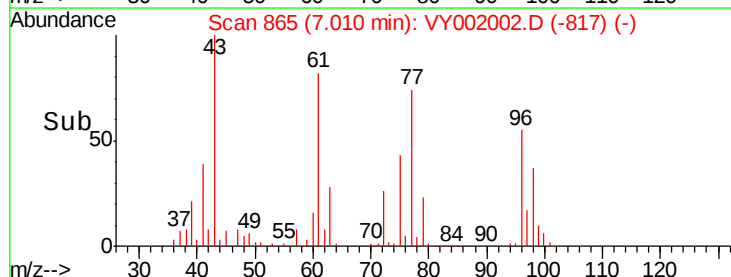
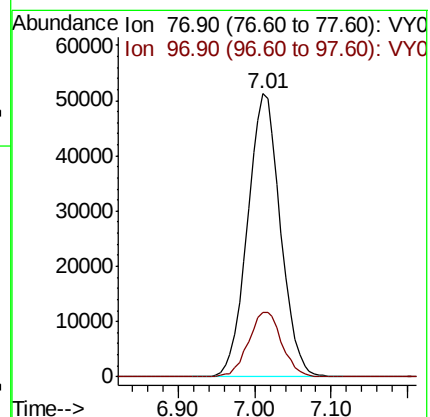
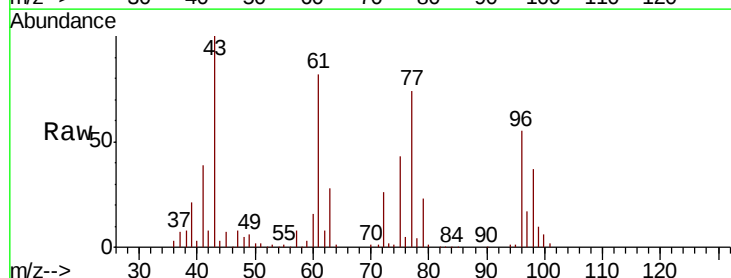
Acq: 18 Mar 2020 10:10

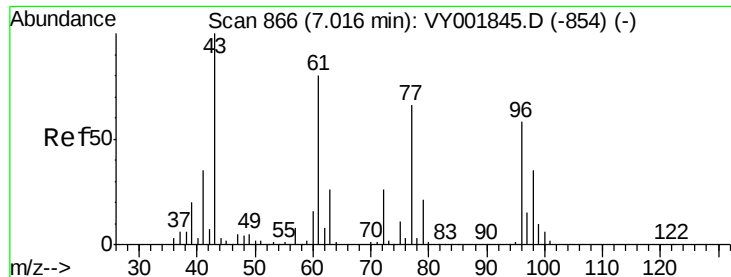
Tgt Ion: 77 Resp: 152768

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.7



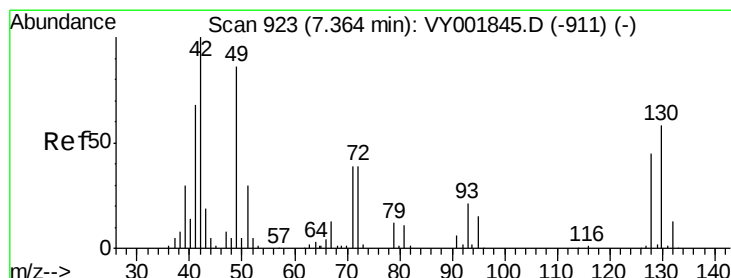
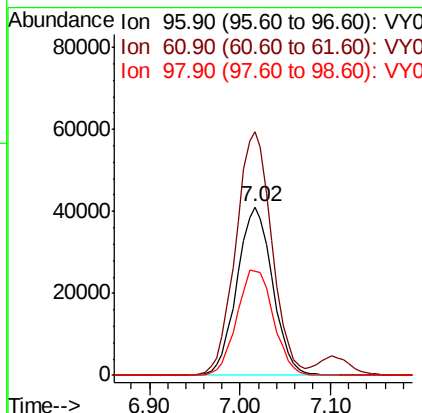
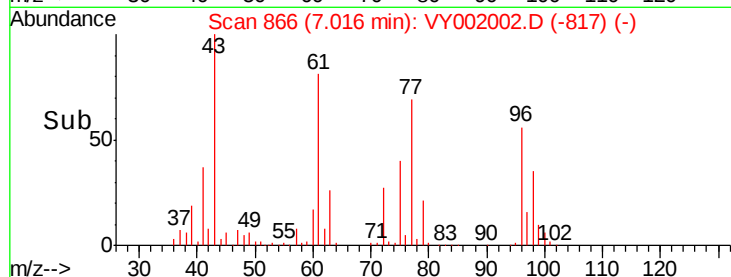
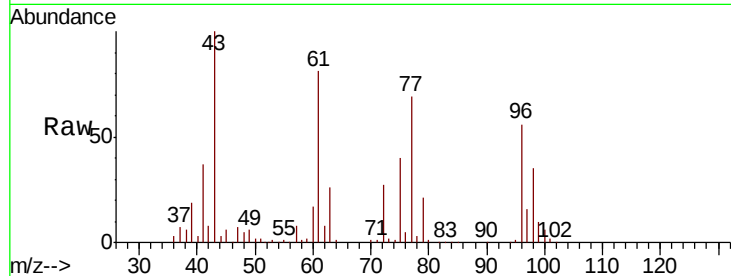


#27

cis-1,2-Dichloroethene
Concen: 51.271 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Instrument :
MSVOA_Y
ClientSampled :

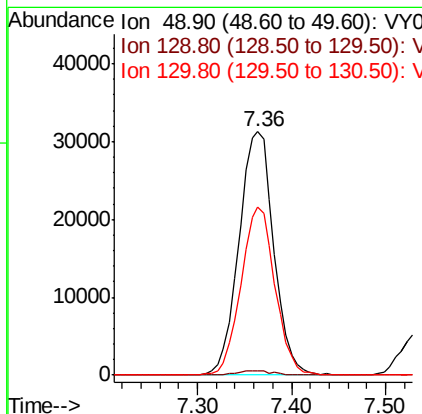
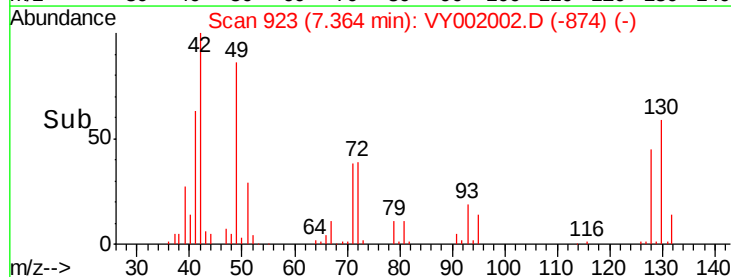
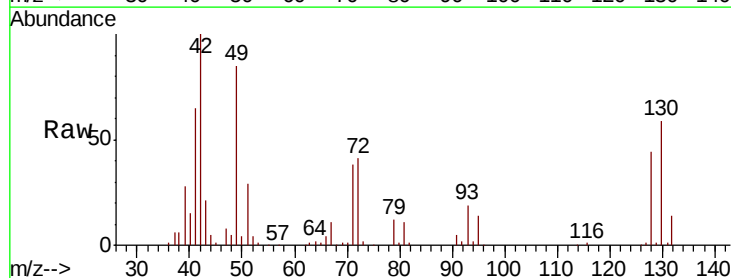
Tot Ion: 96 Resp: 111761
Ion Ratio Lower Upper
96 100
61 146.8 0.0 288.2
98 64.3 0.0 129.0

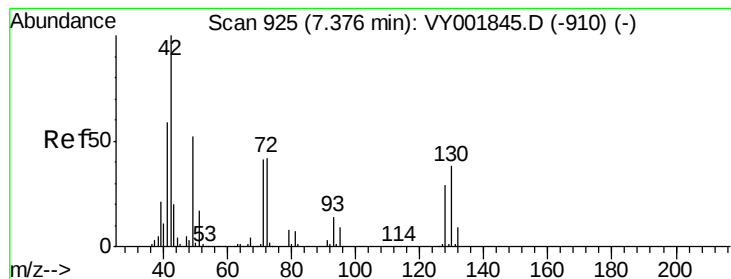


#28

Bromochloromethane
Concen: 51.475 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion: 49 Resp: 80612
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 67.6 54.4 81.6





#29

Tetrahydrofuran

Concen: 236.942 ug/l

RT: 7.37 min Scan# 924

Delta R.T. -0.01 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :
MSVOA_Y
ClientSampled :

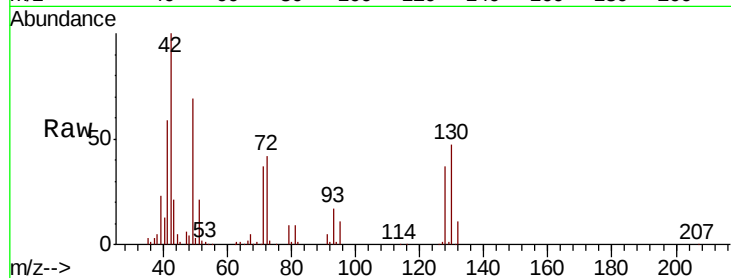
Tot Ion: 42 Resp: 118146

Ion Ratio Lower Upper

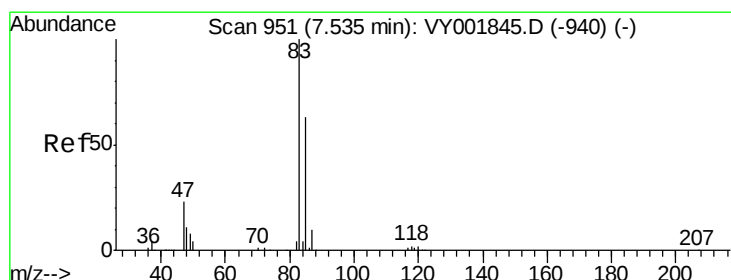
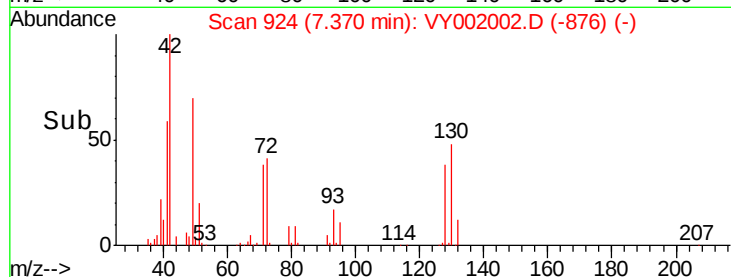
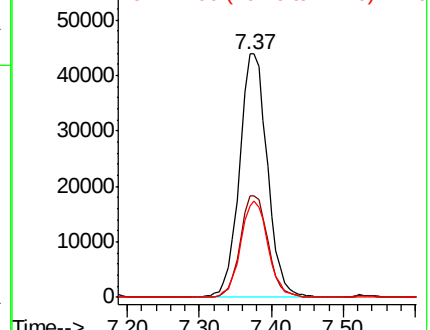
42 100

72 41.5 33.5 50.3

71 38.7 31.3 46.9



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 52.688 ug/l

RT: 7.53 min Scan# 951

Delta R.T. -0.00 min

Lab File: VY002002.D

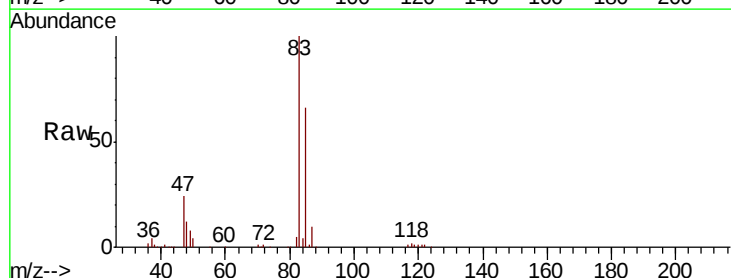
Acq: 18 Mar 2020 10:10

Tgt Ion: 83 Resp: 171987

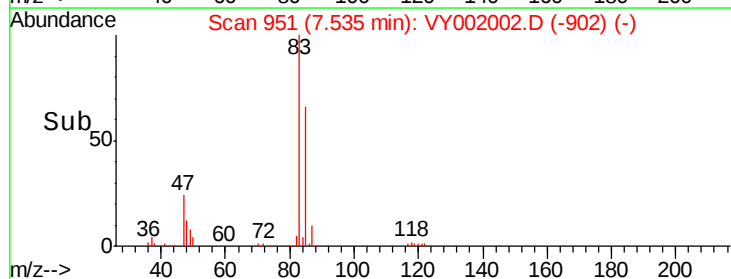
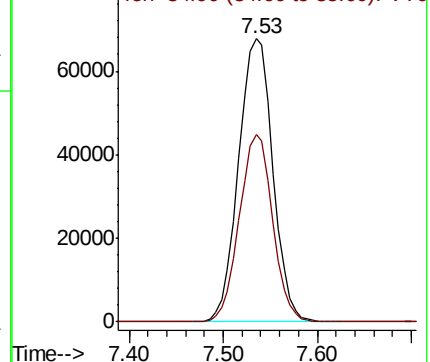
Ion Ratio Lower Upper

83 100

85 66.0 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 48.413 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :
MSVOA_Y
ClientSampled :

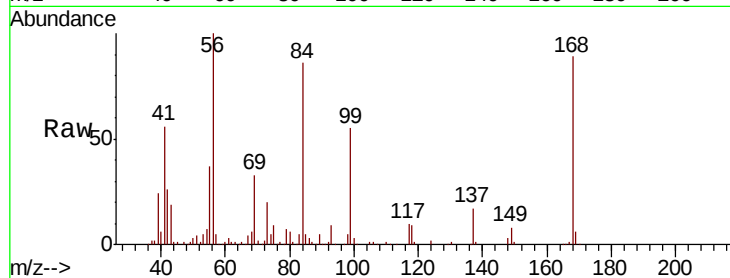
Tot Ion: 56 Resp: 180353

Ion Ratio Lower Upper

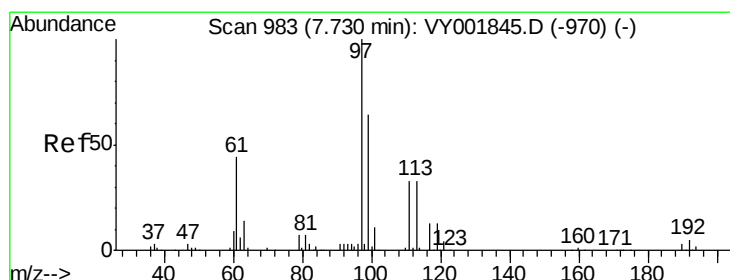
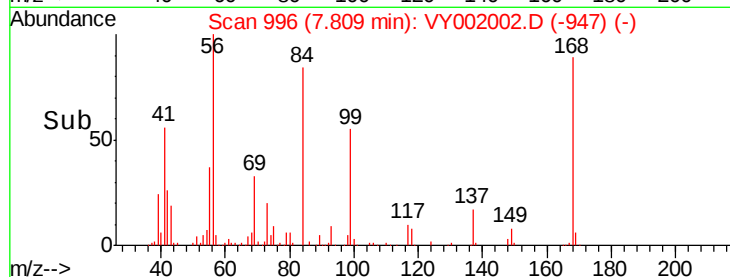
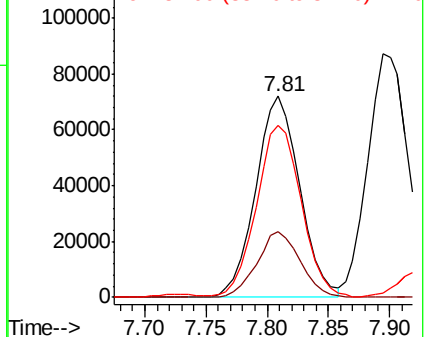
56 100

69 32.8 26.7 40.1

84 84.2 70.4 105.6



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: 53.432 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

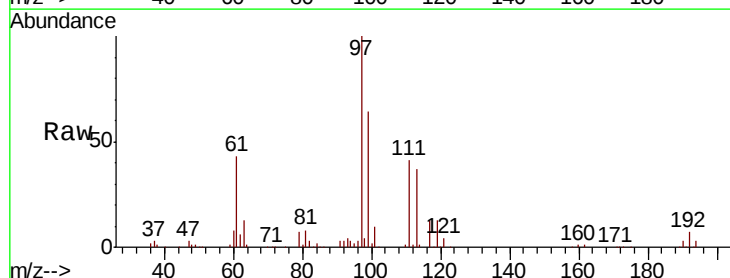
Tgt Ion: 97 Resp: 147005

Ion Ratio Lower Upper

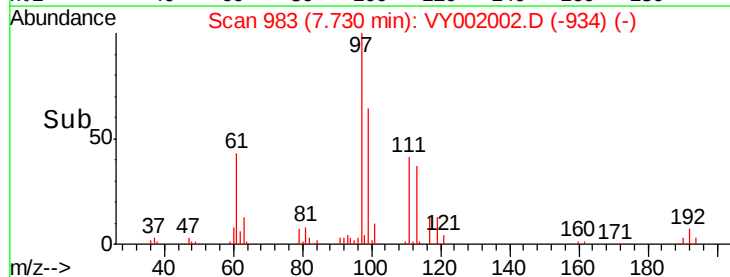
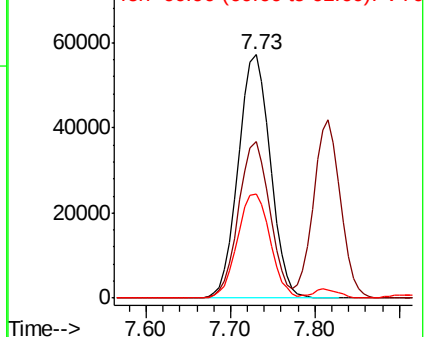
97 100

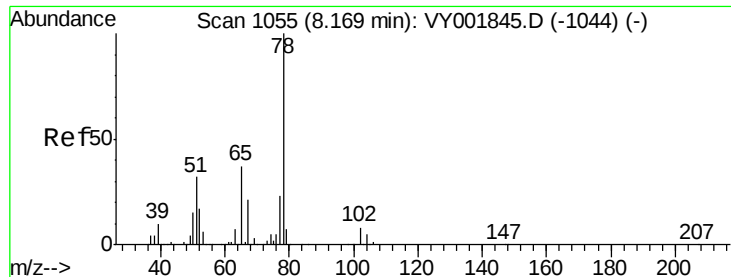
99 62.9 52.0 78.0

61 43.7 35.0 52.4



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: 49.222 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

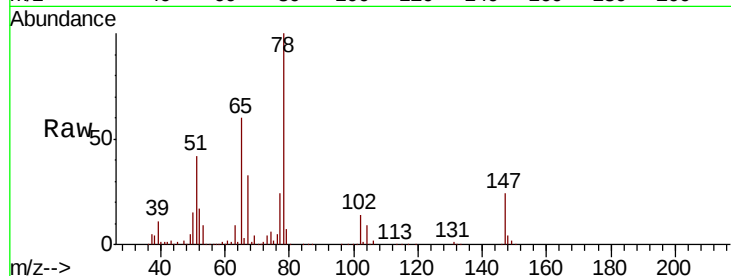
ClientSampleId :

Tot Ion: 65 Resp: 83444

Ion Ratio Lower Upper

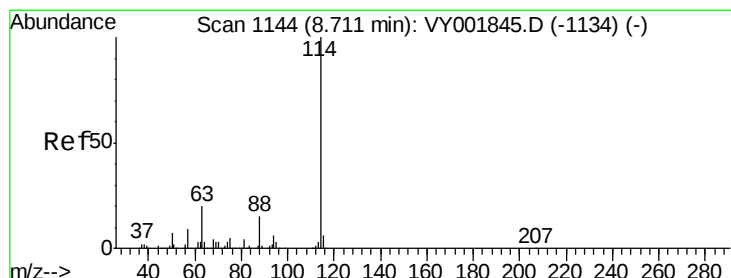
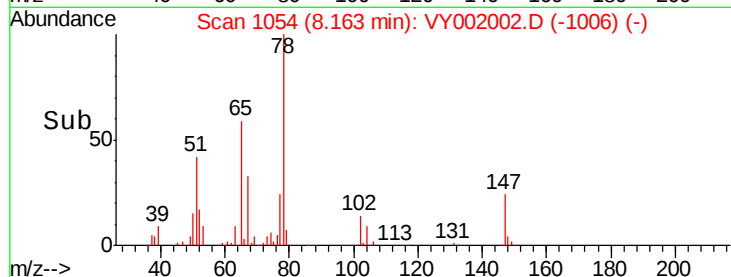
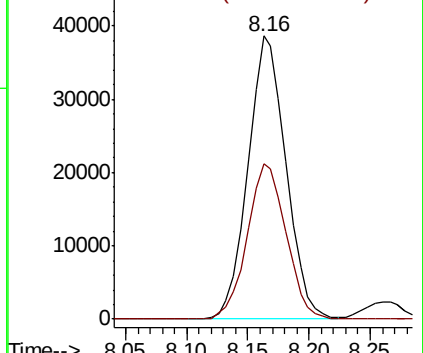
65 100

67 56.1 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

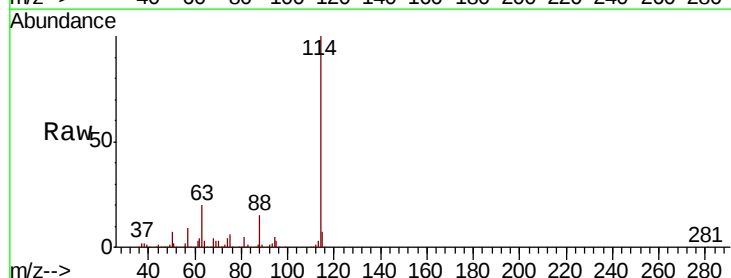
Tgt Ion: 114 Resp: 287492

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

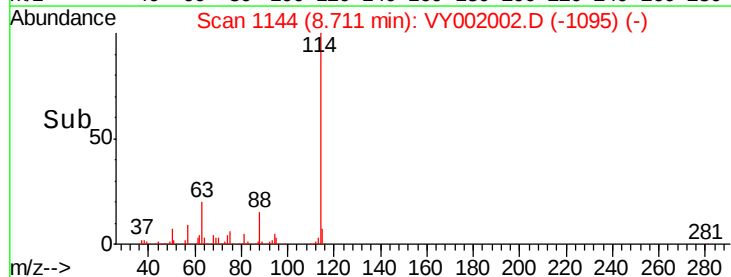
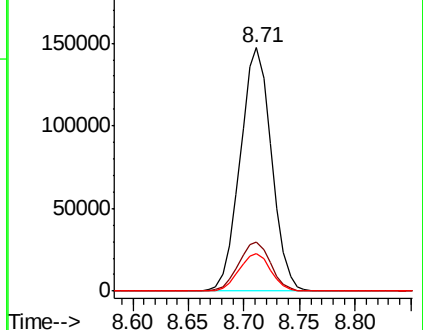
88 15.4 0.0 30.4

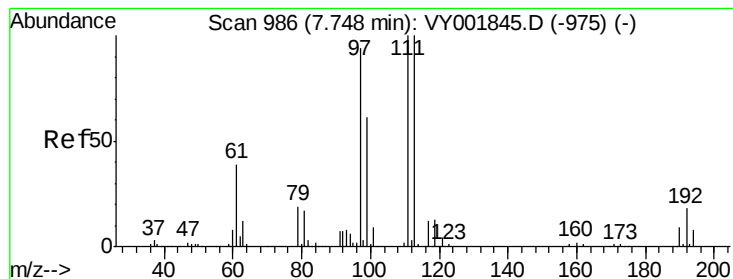


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 50.643 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

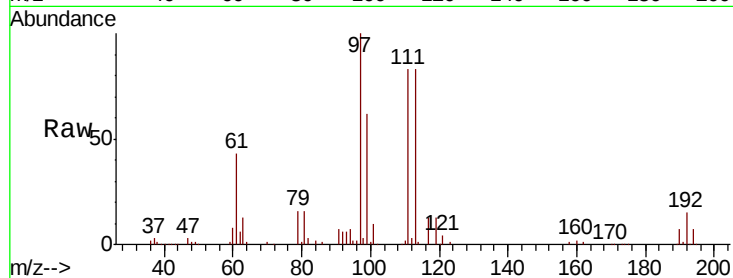
Tot Ion:113 Resp: 79501

Ion Ratio Lower Upper

113 100

111 105.1 81.8 122.8

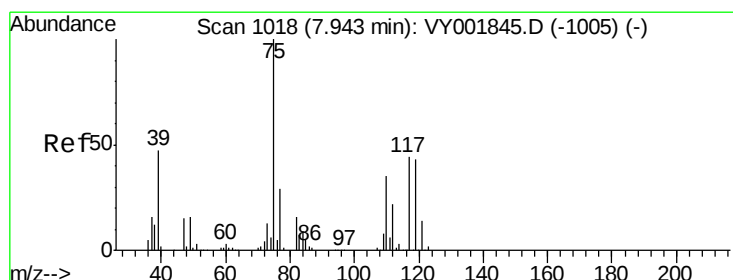
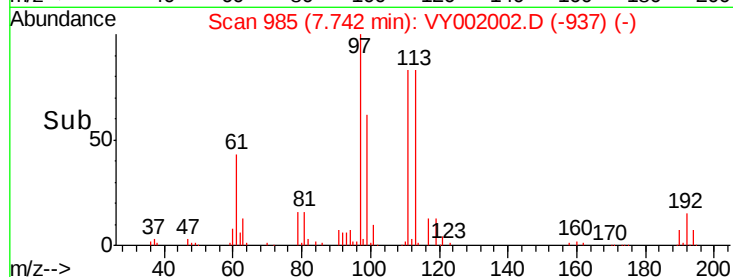
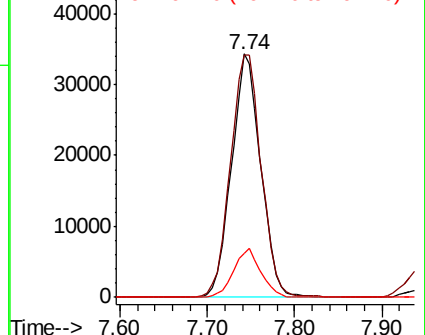
192 18.8 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.174 ug/l

RT: 7.94 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

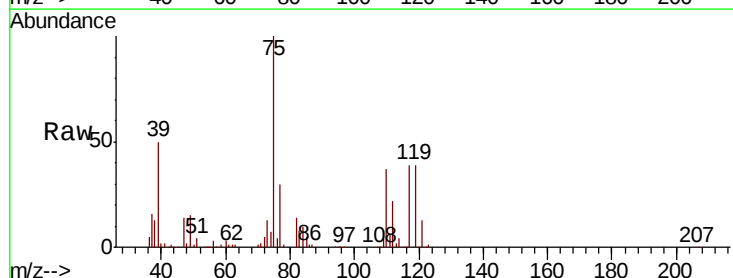
Tgt Ion: 75 Resp: 144342

Ion Ratio Lower Upper

75 100

110 34.7 17.4 52.2

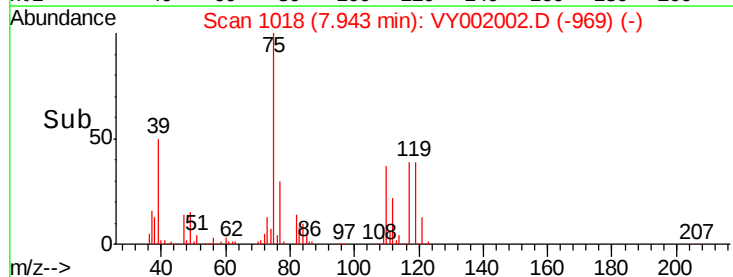
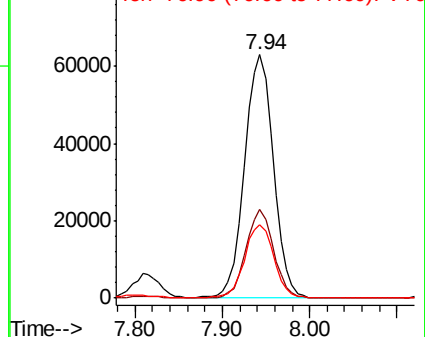
77 30.6 24.2 36.2

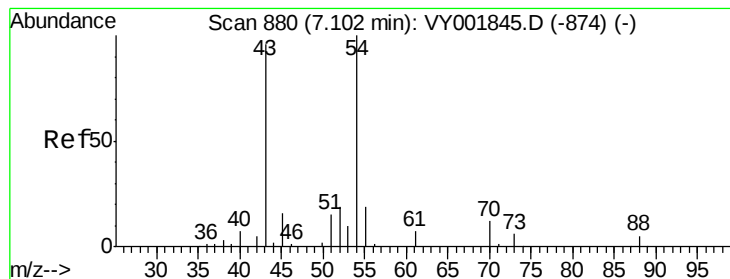


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 51.088 ug/l

RT: 7.10 min Scan# 880

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampled :

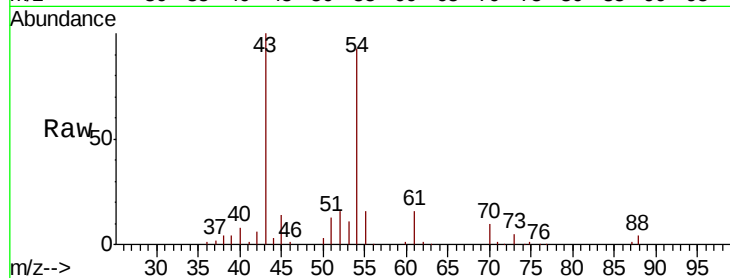
Tot Ion: 43 Resp: 82146

Ion Ratio Lower Upper

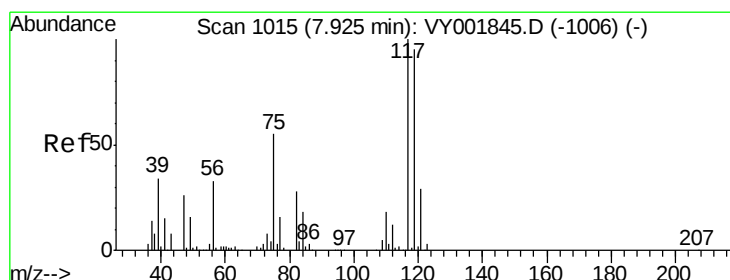
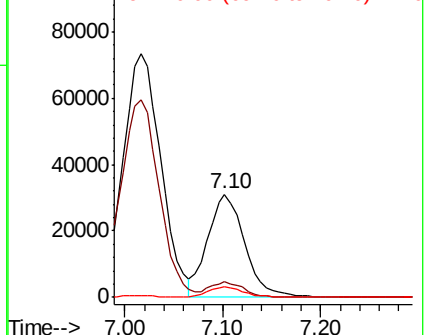
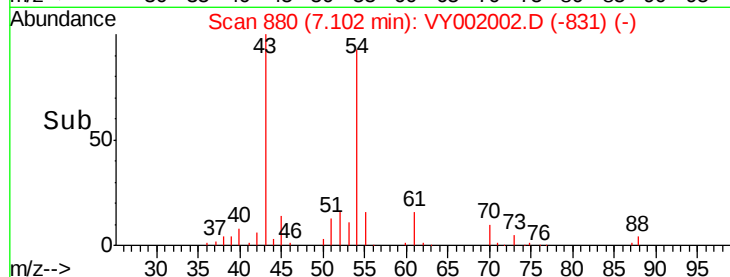
43 100

61 14.4 11.1 16.7

70 10.0 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VY002002.D (-831) (-)



#38

Carbon Tetrachloride

Concen: 52.753 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

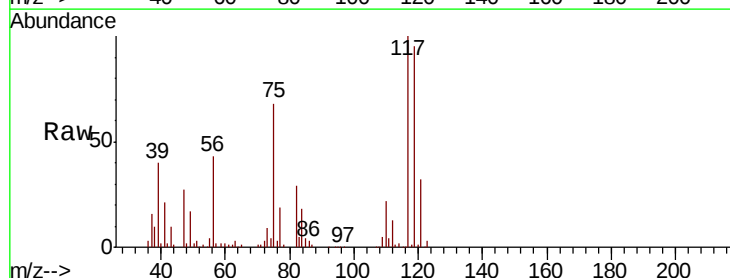
Tgt Ion: 117 Resp: 124674

Ion Ratio Lower Upper

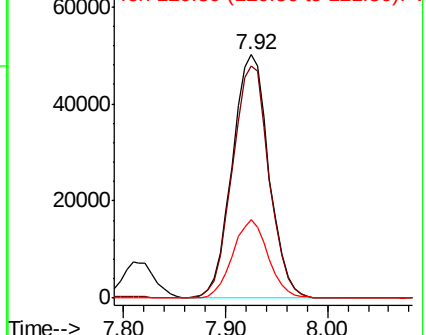
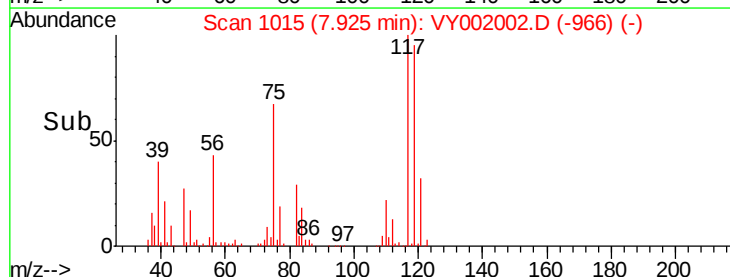
117 100

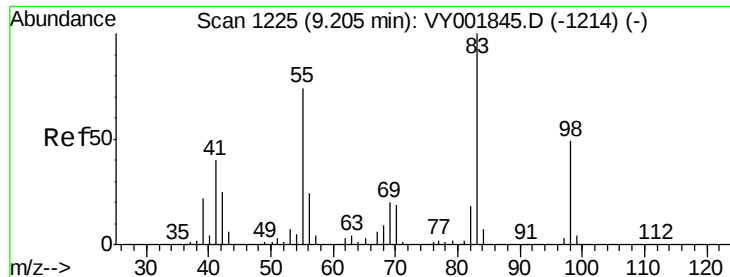
119 95.3 76.3 114.5

121 32.0 23.5 35.3



Abundance Ion 116.80 (116.50 to 117.50): VY002002.D (-966) (-)

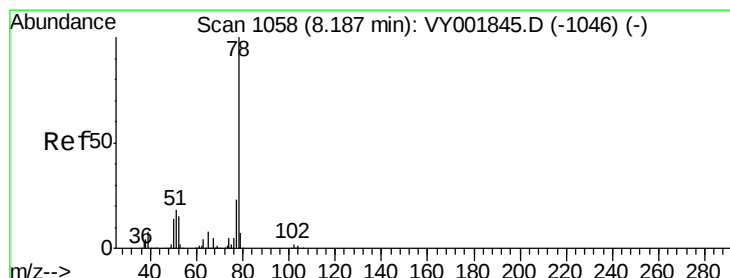
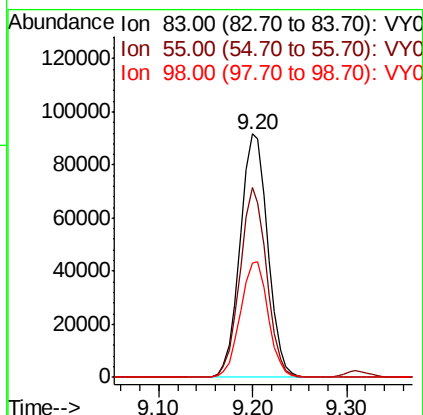
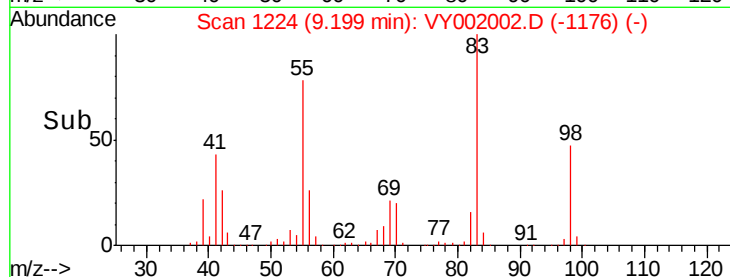
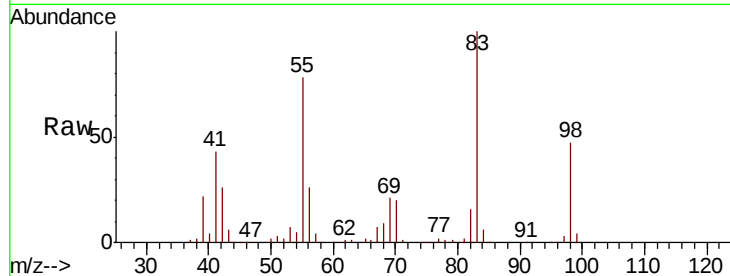




#39
Methvlcvclohexane
Concen: 51.302 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

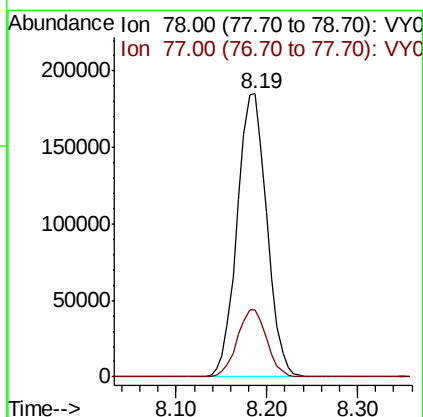
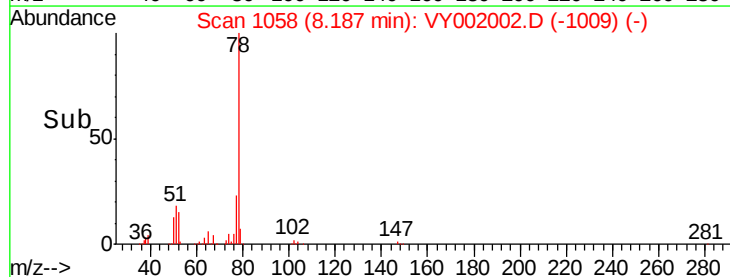
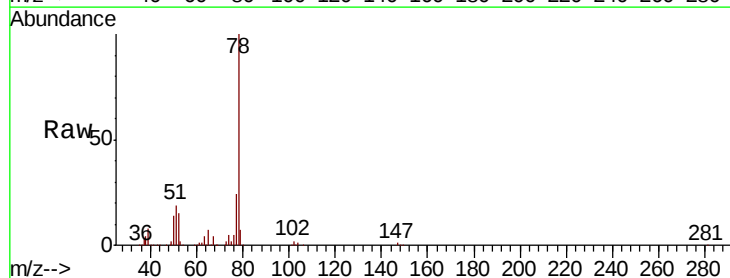
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 188243
Ion Ratio Lower Upper
83 100
55 78.0 59.4 89.0
98 47.1 38.9 58.3



#40
Benzene
Concen: 51.181 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion: 78 Resp: 419686
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1

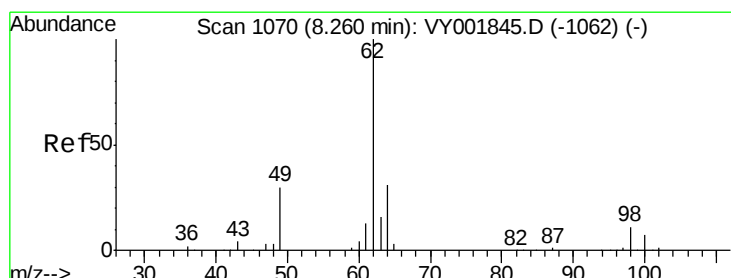
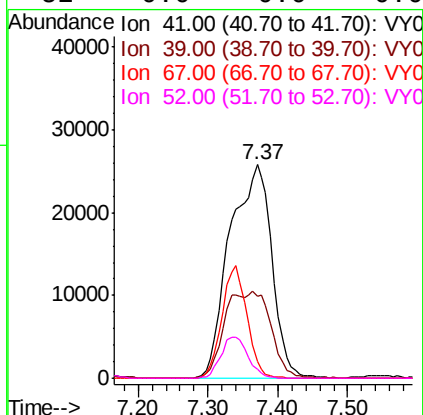
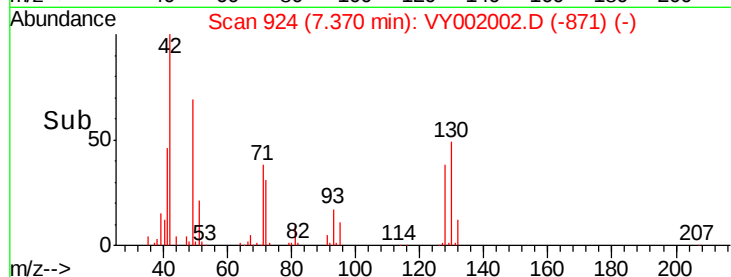
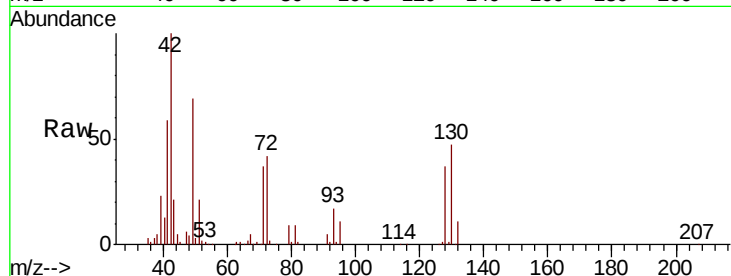




#41
Methacrylonitrile
Concen: 148.122 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

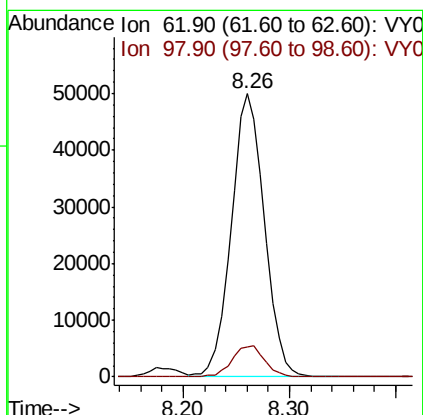
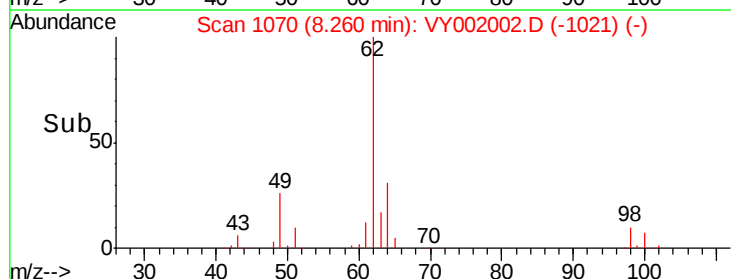
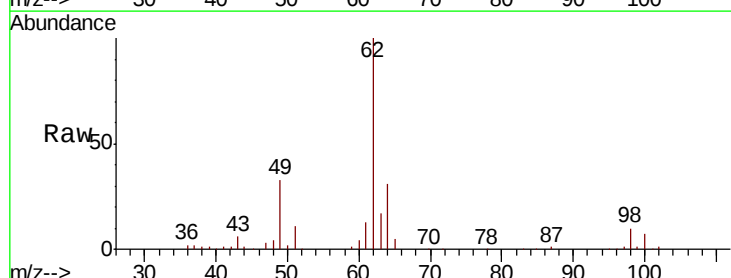
Instrument :
MSVOA_Y
ClientSampleId :

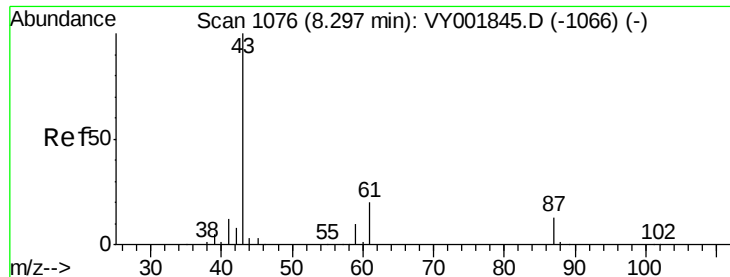
Tot Ion: 41 Resp: 107185
Ion Ratio Lower Upper
41 100
39 0.0 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 51.425 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion: 62 Resp: 108662
Ion Ratio Lower Upper
62 100
98 10.8 0.0 21.4





#43

Isopropyl Acetate

Concen: 50.089 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

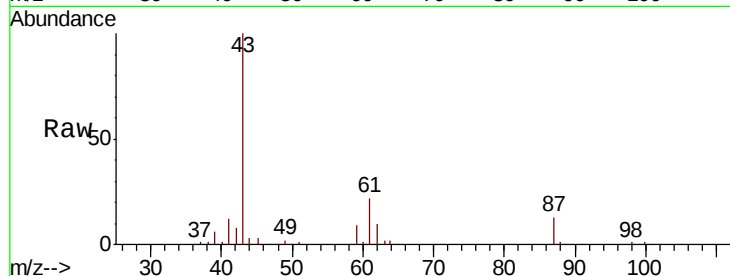
Tot Ion: 43 Resp: 152482

Ion Ratio Lower Upper

43 100

61 29.2 23.8 35.6

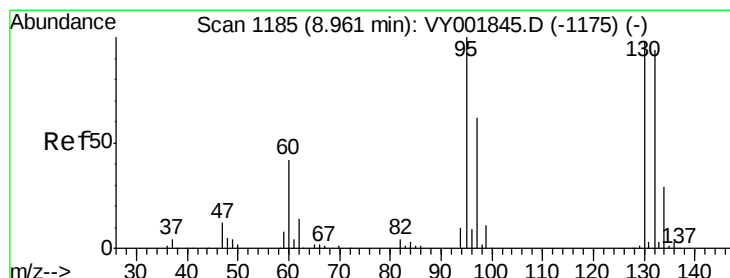
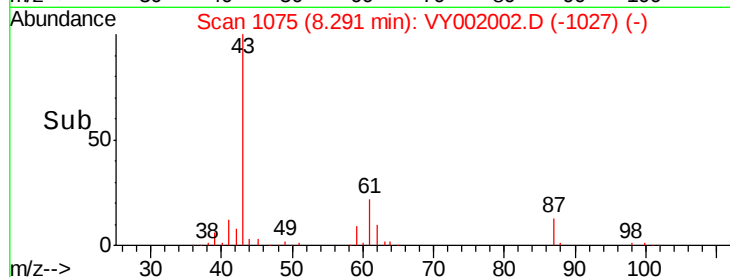
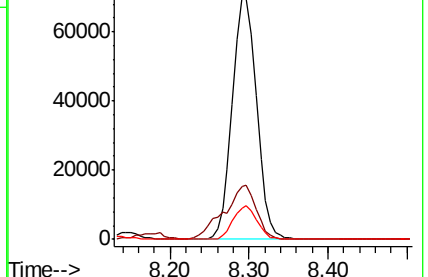
87 13.3 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1066) (-)

Ion 61.00 (60.70 to 61.70): VY001845.D (-1066) (-)

Ion 87.00 (86.70 to 87.70): VY001845.D (-1066) (-)



#44

Trichloroethene

Concen: 51.583 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VY002002.D

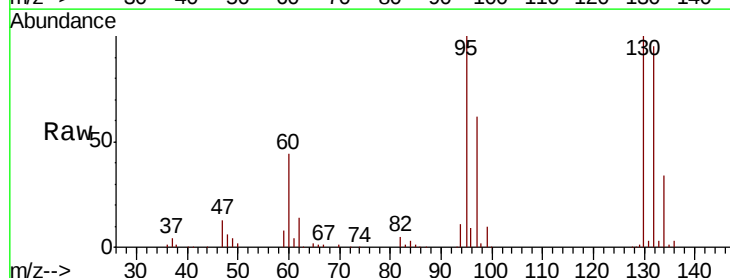
Acq: 18 Mar 2020 10:10

Tgt Ion:130 Resp: 103014

Ion Ratio Lower Upper

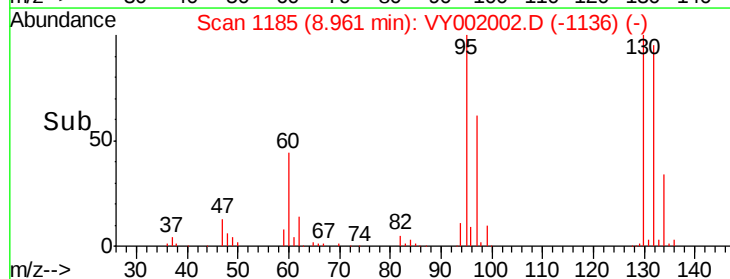
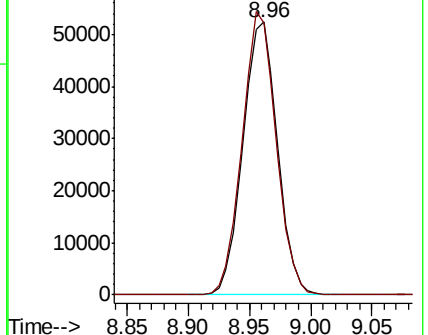
130 100

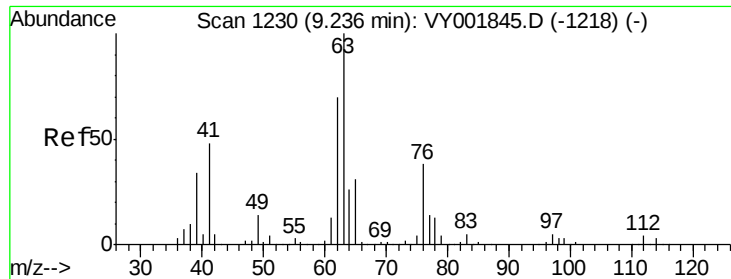
95 99.8 0.0 204.6



Abundance Ion 129.80 (129.50 to 130.50): VY001845.D (-1175) (-)

Ion 94.90 (94.60 to 95.60): VY001845.D (-1175) (-)

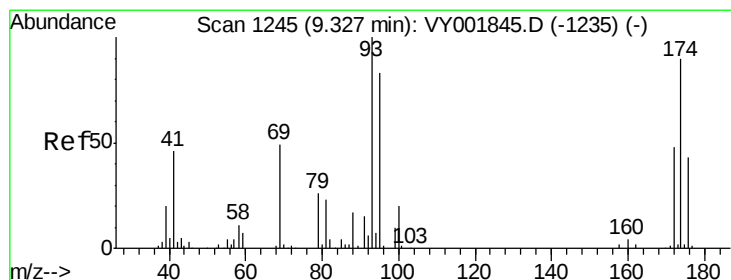
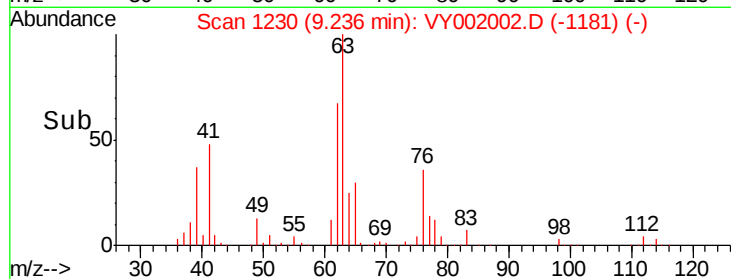
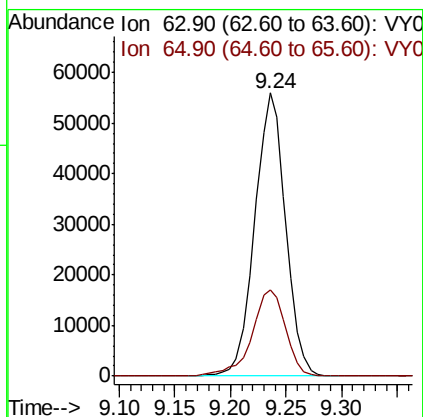
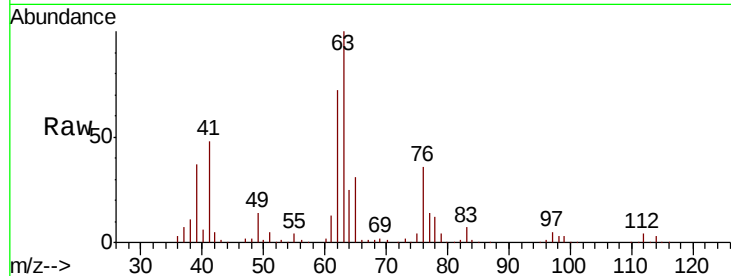




#45
 1,2-Dichloropropane
 Concen: 52.388 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

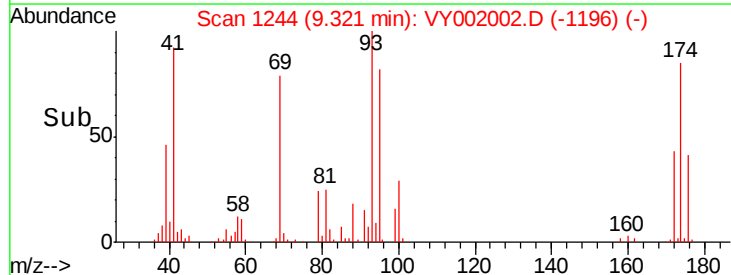
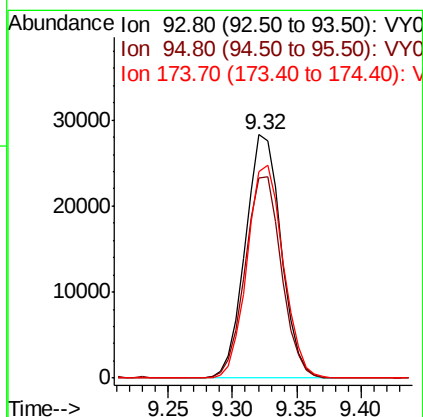
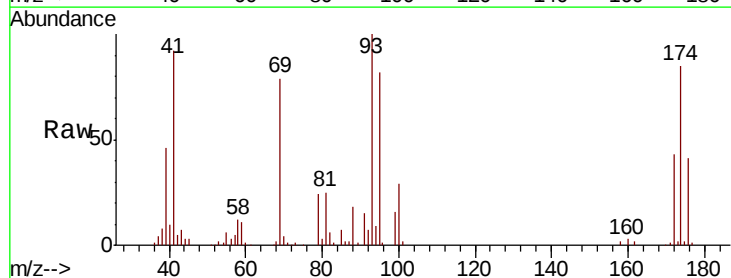
Instrument :
 MSVOA_Y
 ClientSampleId :

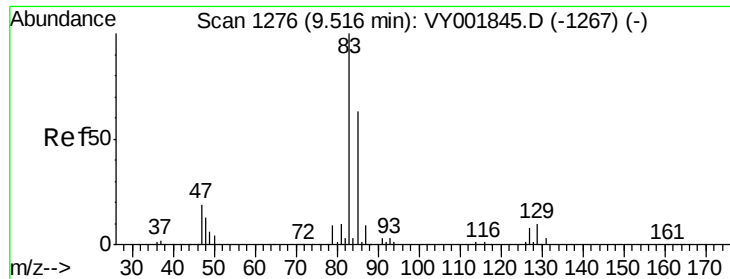
Tot Ion: 63 Resp: 107990
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.9 37.3



#46
 Dibromomethane
 Concen: 51.078 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Tgt Ion: 93 Resp: 54258
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.0 100.4
 174 88.1 71.8 107.8





#47

Bromodichloromethane

Concen: 53.378 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

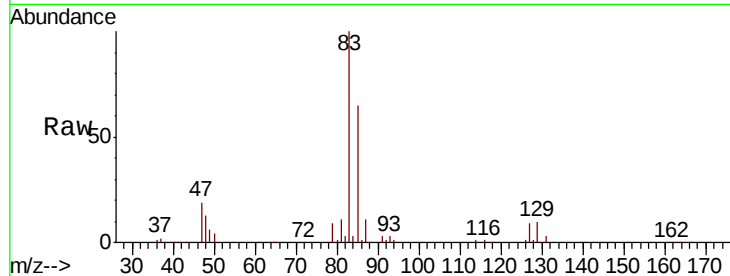
Tot Ion: 83 Resp: 131899

Ion Ratio Lower Upper

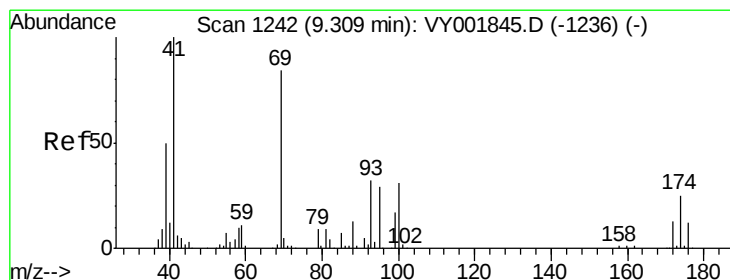
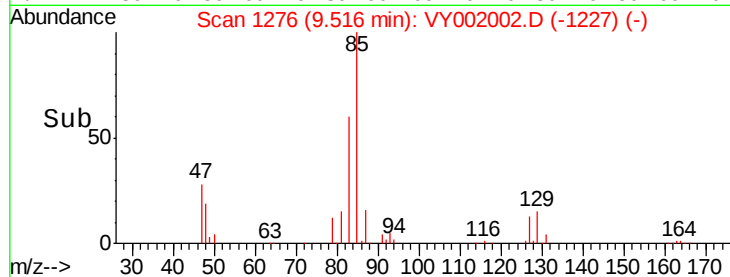
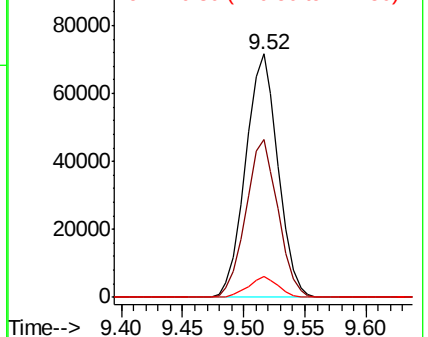
83 100

85 64.6 50.6 76.0

127 8.5 6.2 9.4



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: 50.294 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

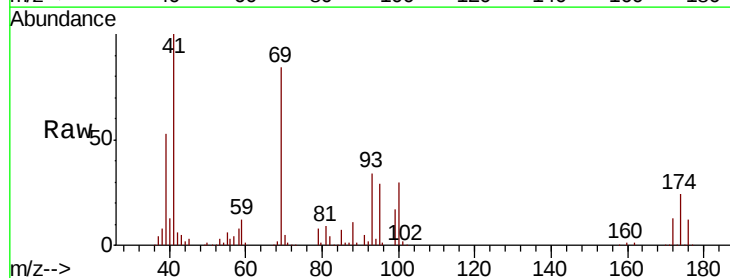
Tgt Ion: 41 Resp: 67938

Ion Ratio Lower Upper

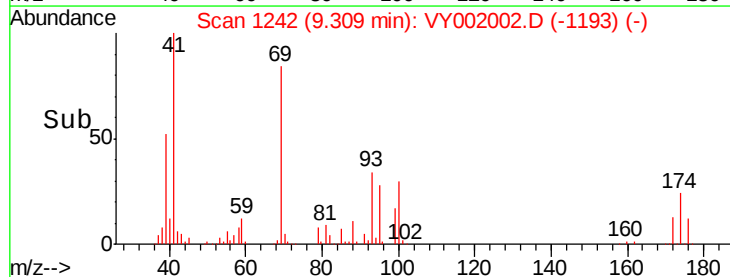
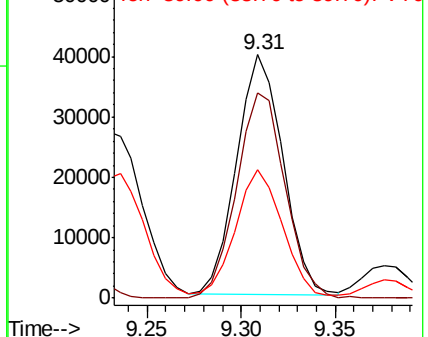
41 100

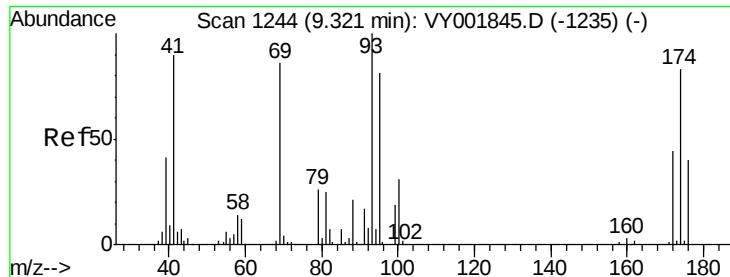
69 89.6 69.0 103.6

39 52.1 39.1 58.7



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: 943.209 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :
MSVOA_Y
ClientSampleId :

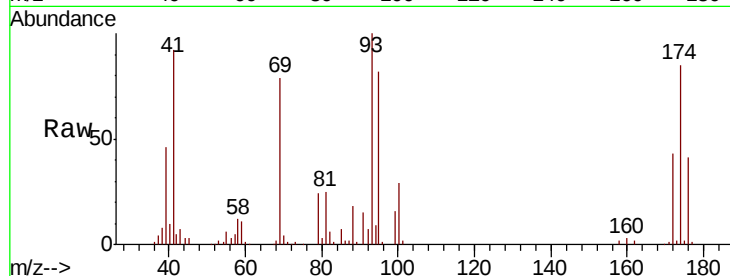
Tot Ion: 88 Resp: 13729

Ion Ratio Lower Upper

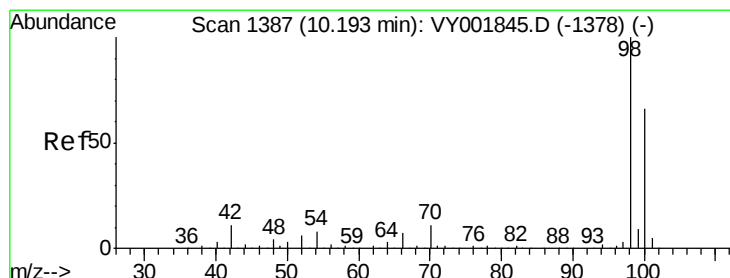
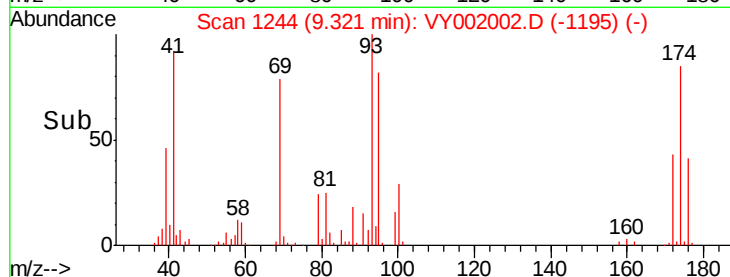
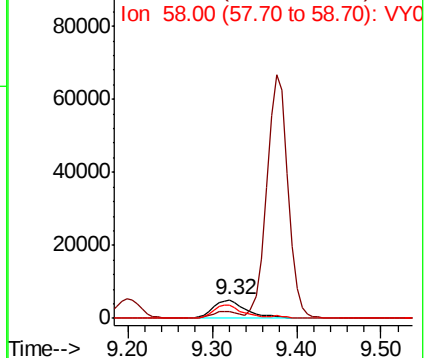
88 100

43 30.6 25.0 37.6

58 64.2 58.9 88.3



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: 50.347 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY002002.D

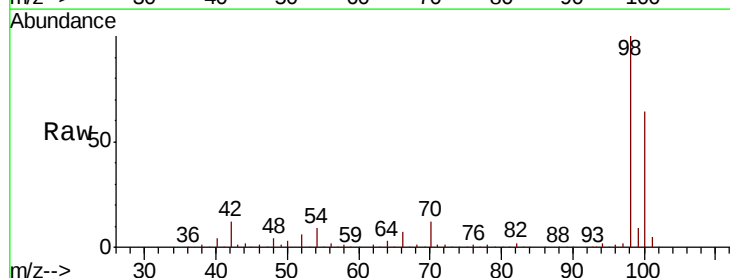
Acq: 18 Mar 2020 10:10

Tgt Ion: 98 Resp: 333285

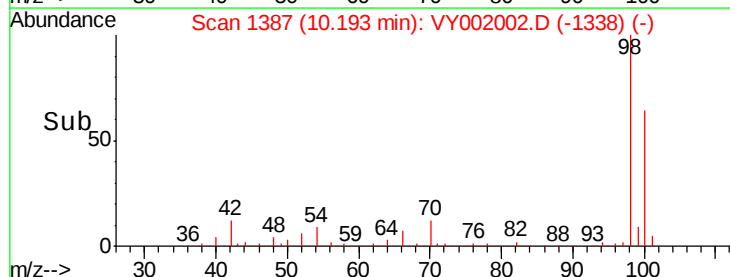
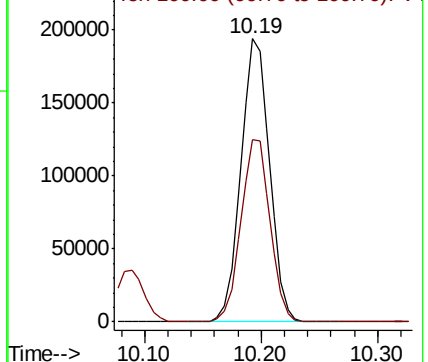
Ion Ratio Lower Upper

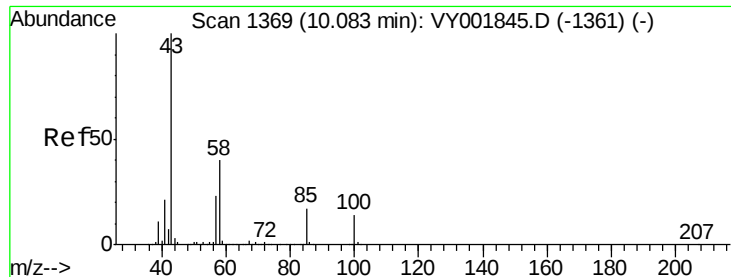
98 100

100 65.4 53.0 79.4



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

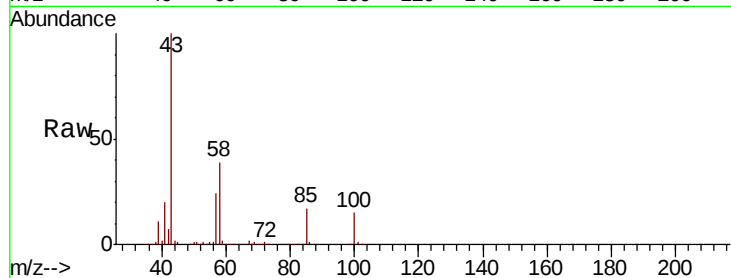




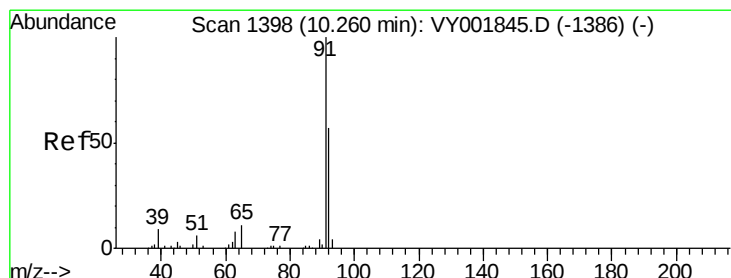
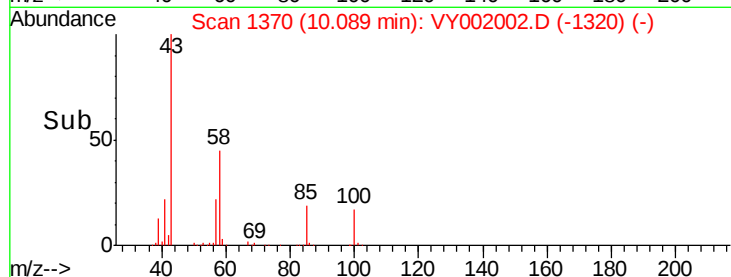
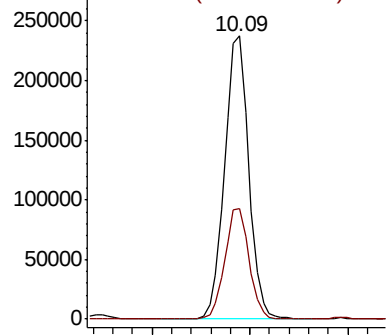
#51
 4-Methyl-2-Pentanone
 Concen: 258.035 ug/l
 RT: 10.09 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 43 Resp: 404600
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.0 48.0

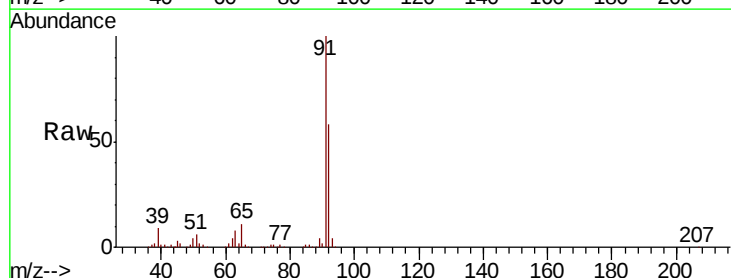


Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

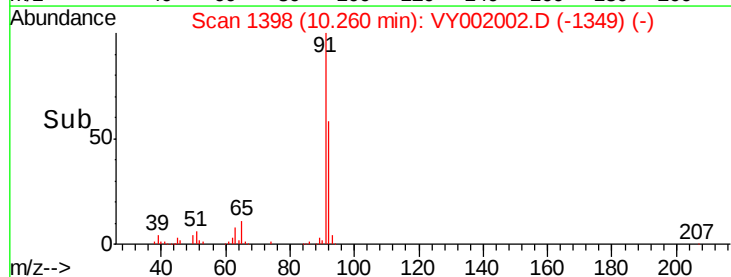
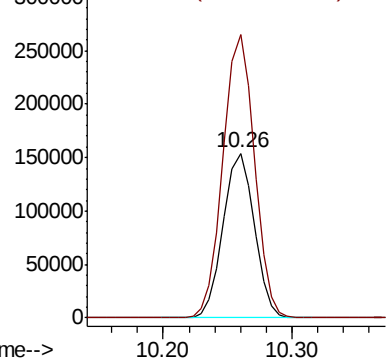


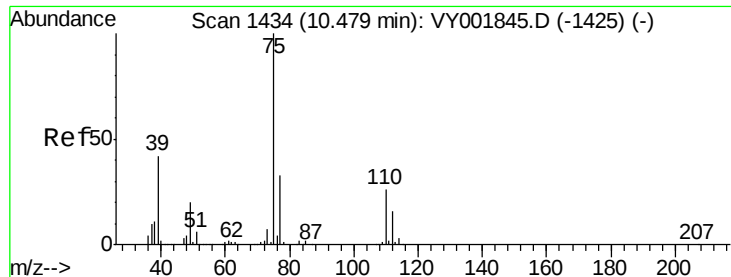
#52
 Toluene
 Concen: 51.981 ug/l
 RT: 10.26 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Tgt Ion: 92 Resp: 258934
 Ion Ratio Lower Upper
 92 100
 91 172.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0
 Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 53.581 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

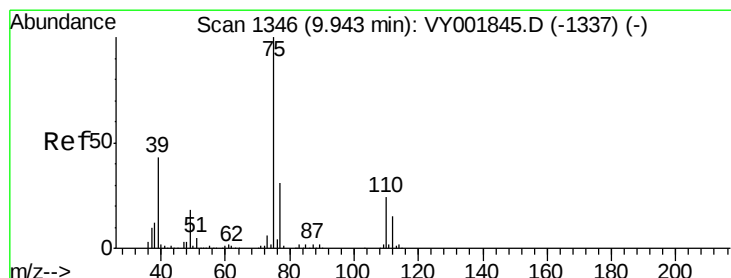
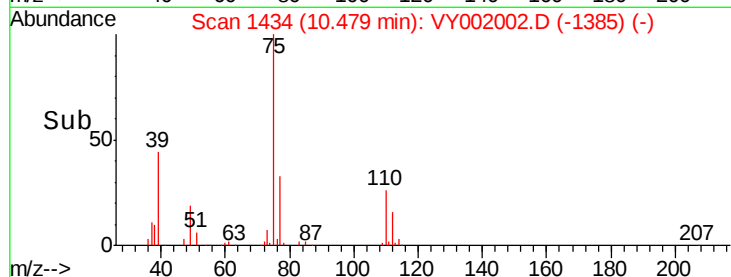
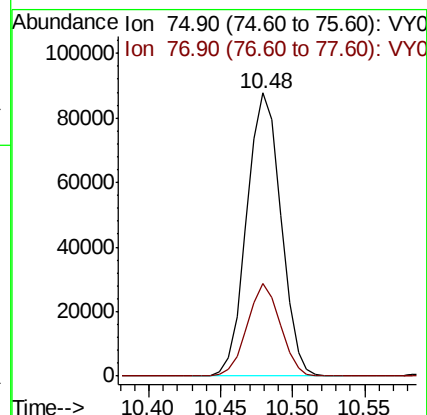
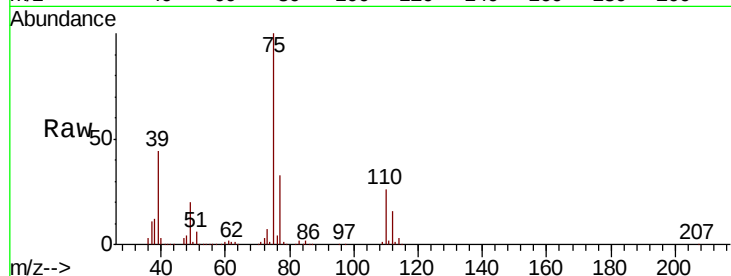
ClientSampled :

Tot Ion: 75 Resp: 144249

Ion Ratio Lower Upper

75 100

77 32.6 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 52.586 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

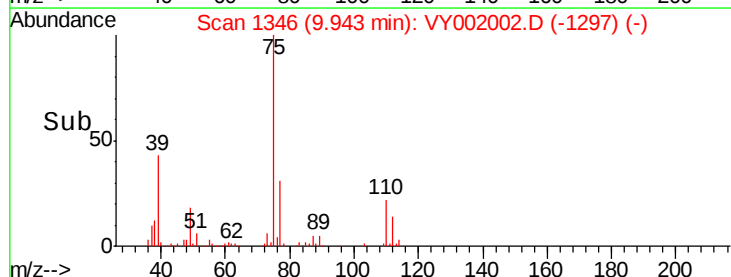
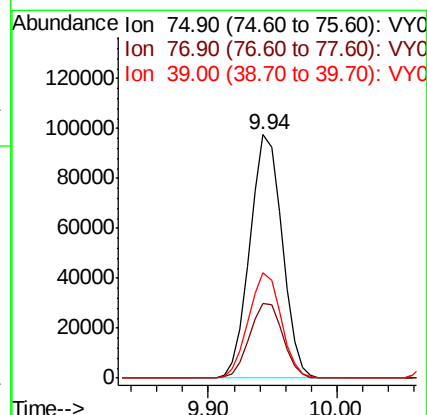
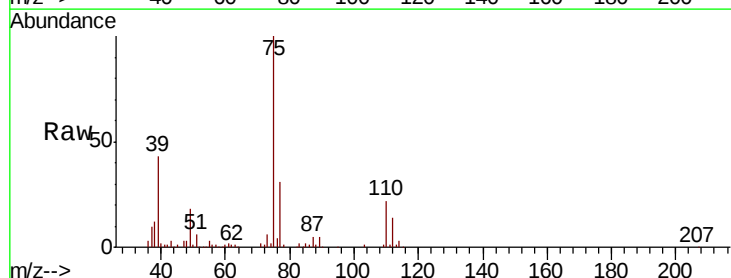
Tgt Ion: 75 Resp: 168532

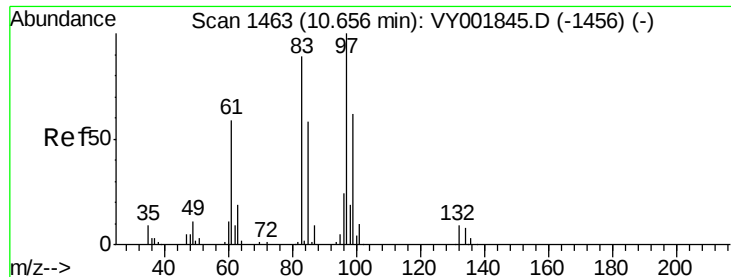
Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7

39 43.2 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 51.577 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 80182

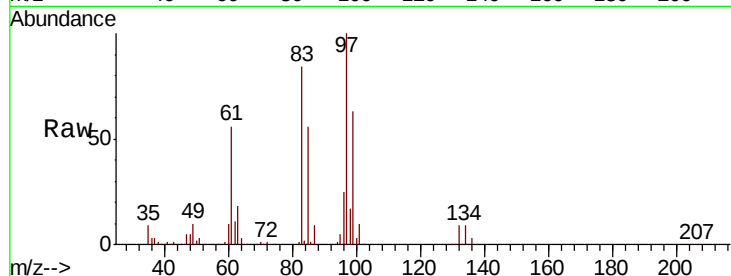
Ion Ratio Lower Upper

97 100

83 84.1 71.6 107.4

85 55.8 46.6 69.8

99 63.4 49.8 74.6

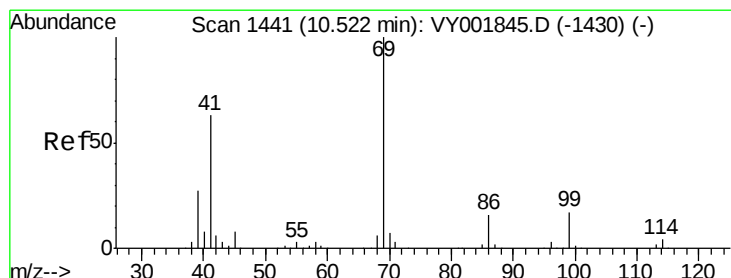
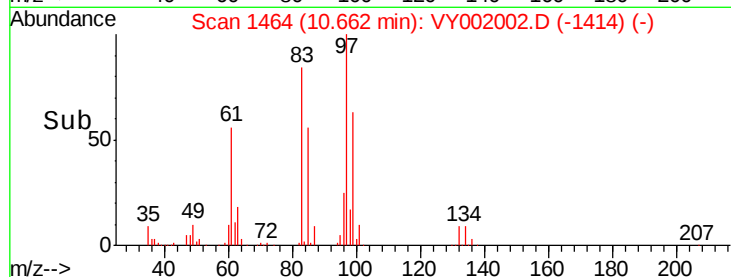
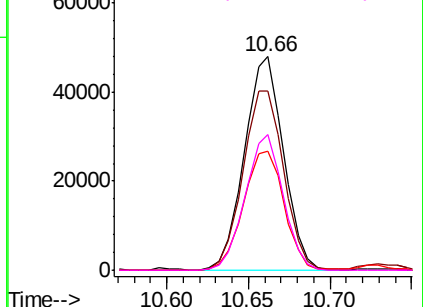


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 51.442 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

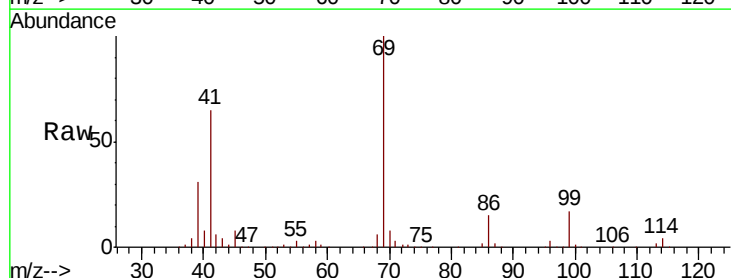
Tgt Ion: 69 Resp: 117219

Ion Ratio Lower Upper

69 100

41 64.9 49.9 74.9

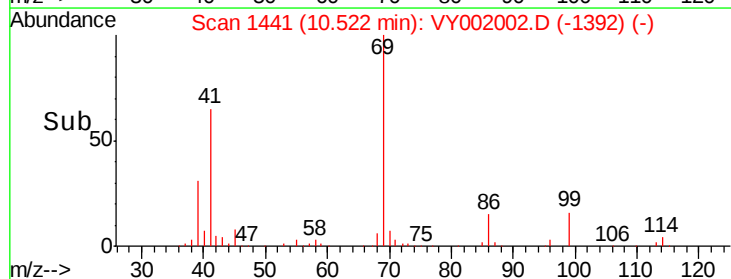
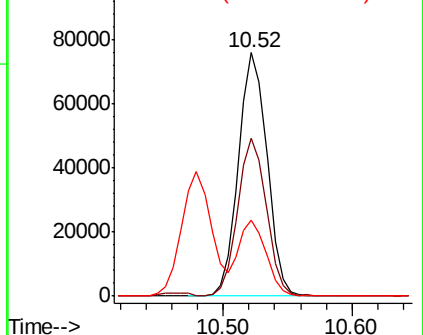
39 29.6 23.0 34.6

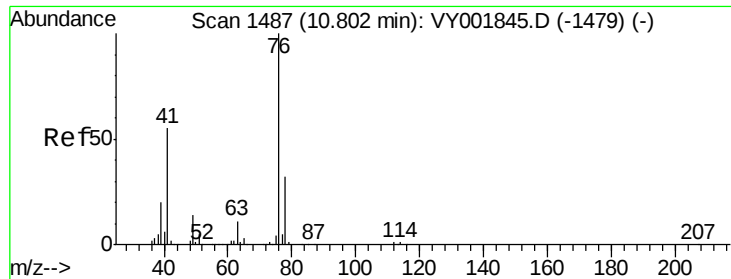


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 51.391 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

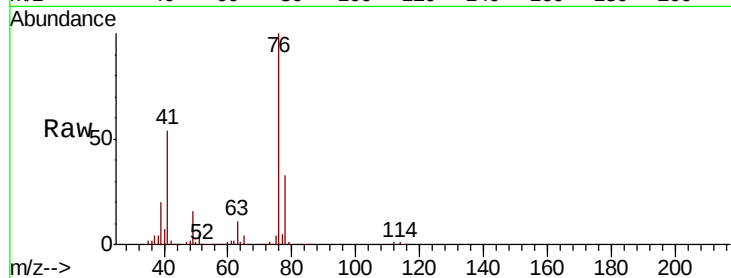
ClientSampleId :

Tot Ion: 76 Resp: 142412

Ion Ratio Lower Upper

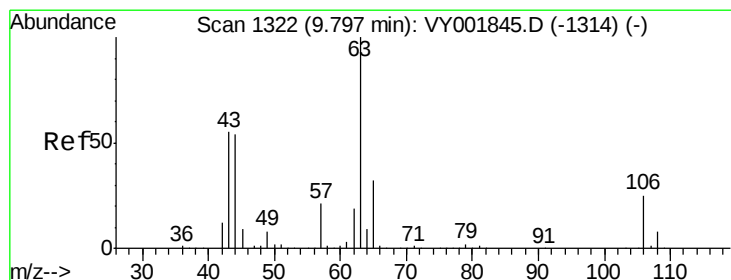
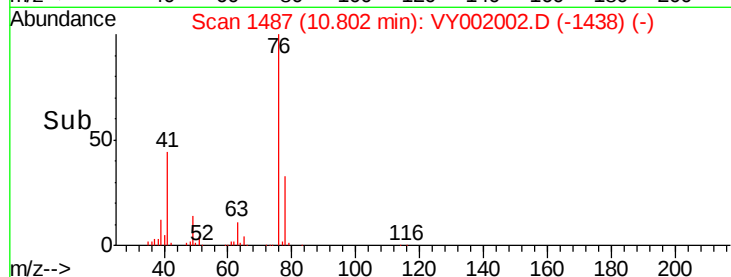
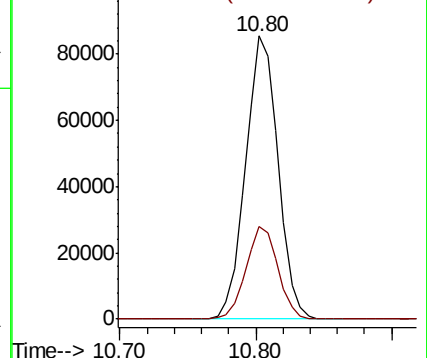
76 100

78 32.2 25.8 38.6



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: 239.557 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY002002.D

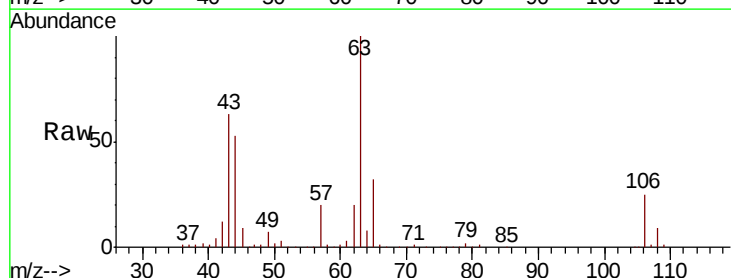
Acq: 18 Mar 2020 10:10

Tgt Ion: 63 Resp: 191895

Ion Ratio Lower Upper

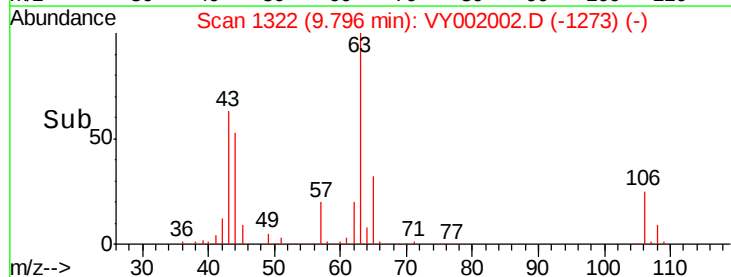
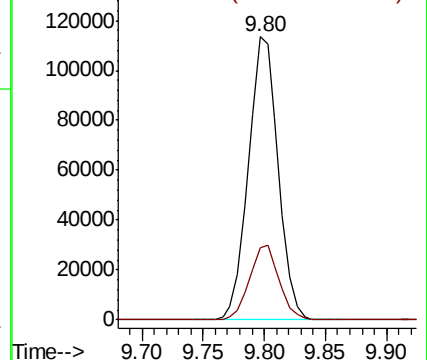
63 100

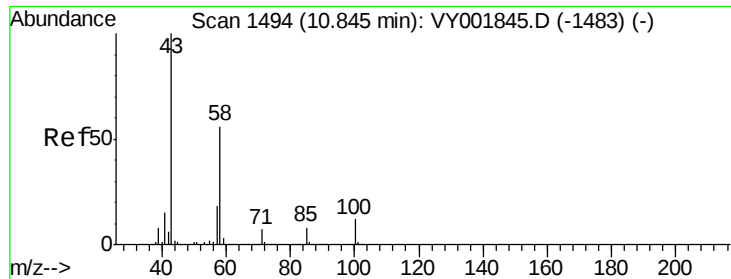
106 26.1 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

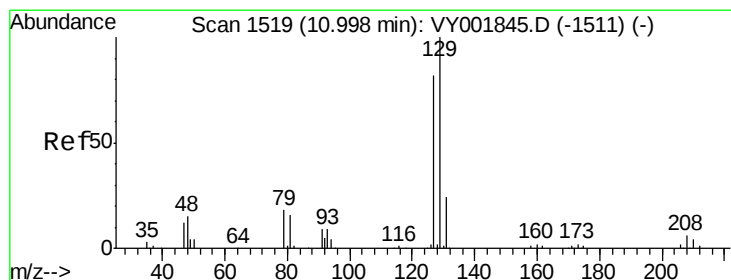
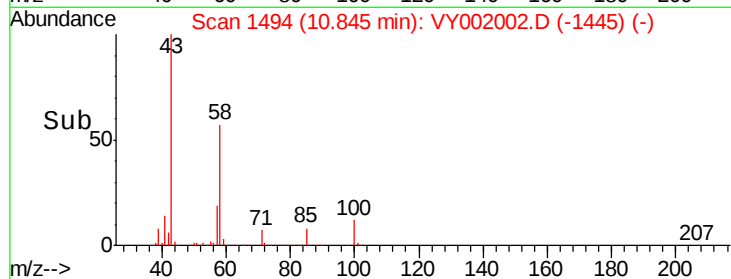
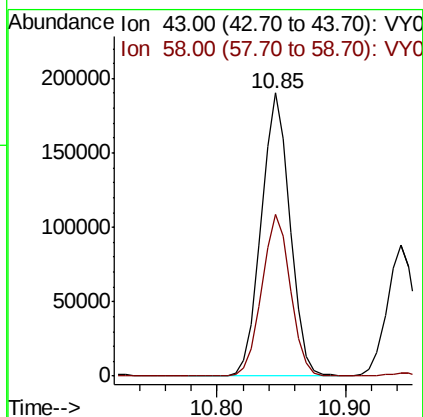
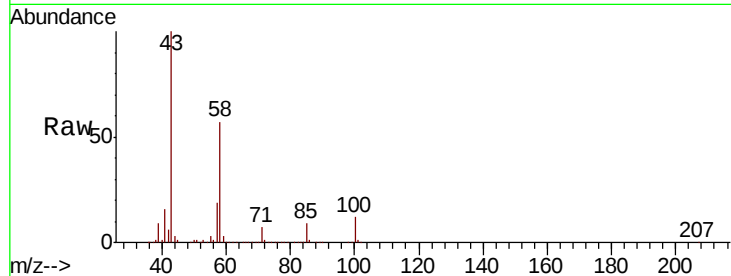




#59
2-Hexanone
Concen: 262.104 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

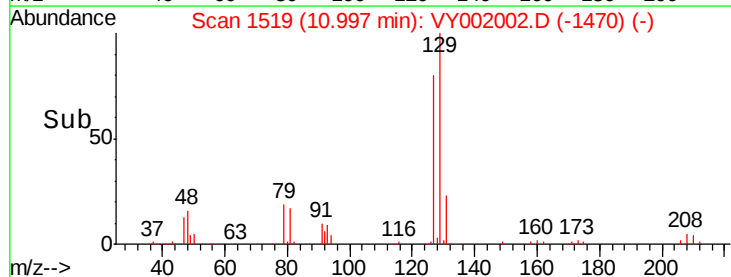
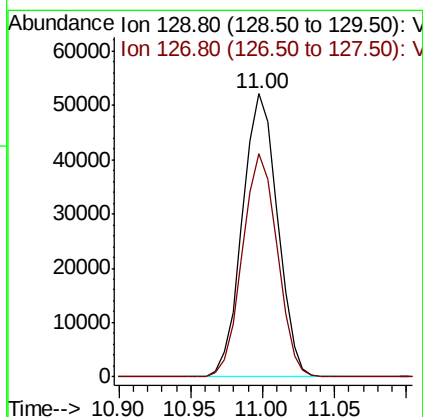
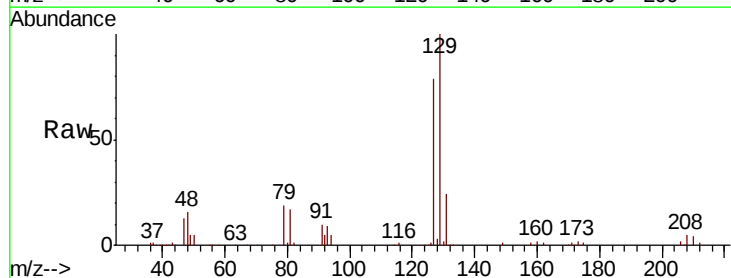
Instrument :
MSVOA_Y
ClientSampleId :

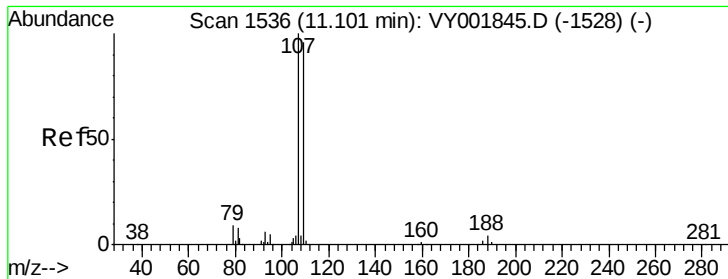
Tot Ion: 43 Resp: 293338
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3



#60
Dibromochloromethane
Concen: 53.885 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion: 129 Resp: 88271
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0

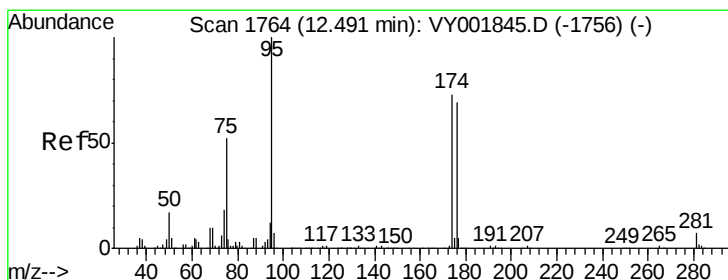
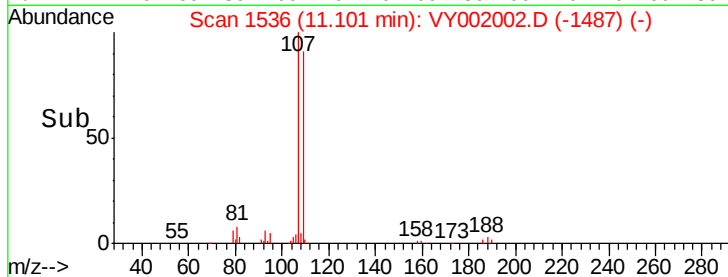
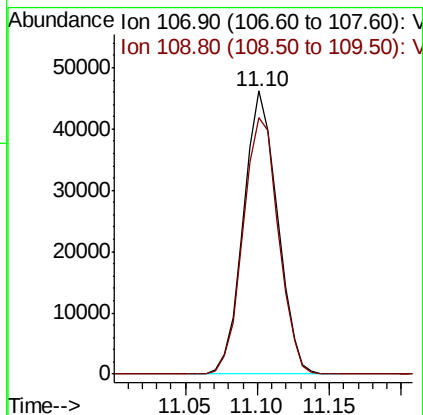
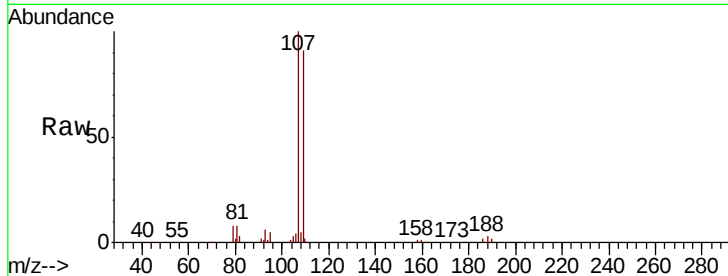




#61
 1,2-Dibromoethane
 Concen: 51.491 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

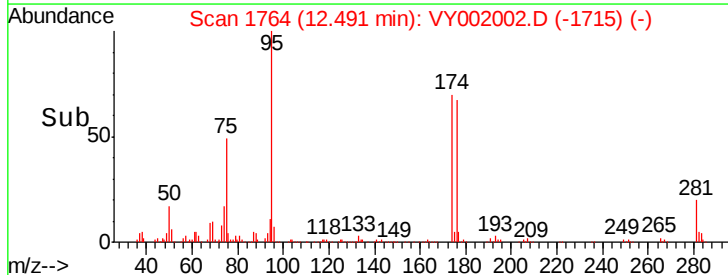
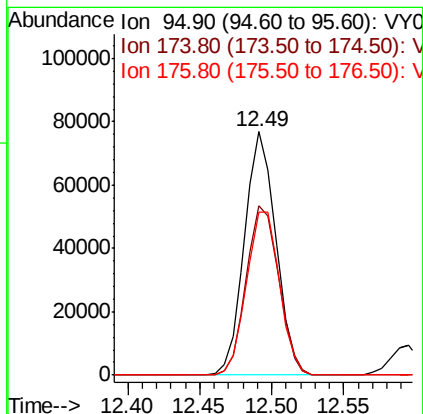
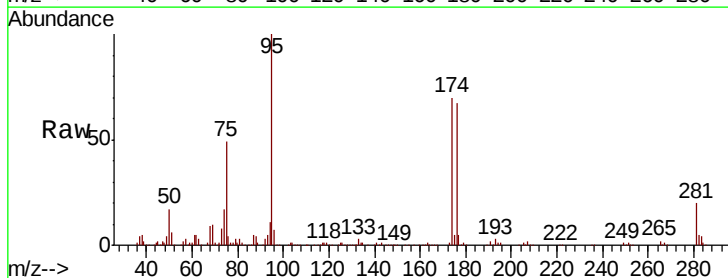
Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:107 Resp: 75825
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.218 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Tgt Ion: 95 Resp: 115590
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 145.0
 176 70.6 0.0 137.4

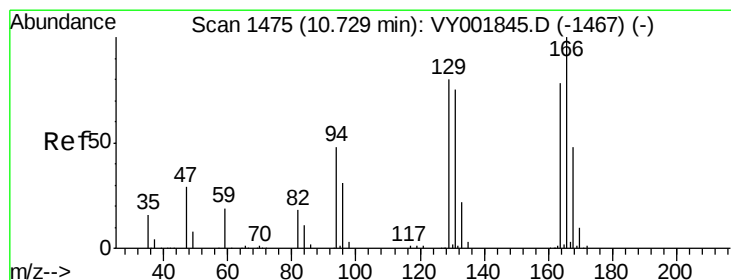
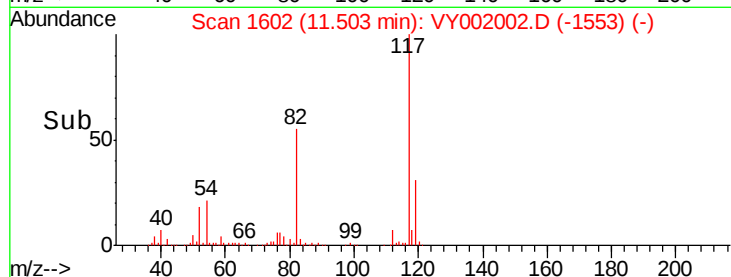
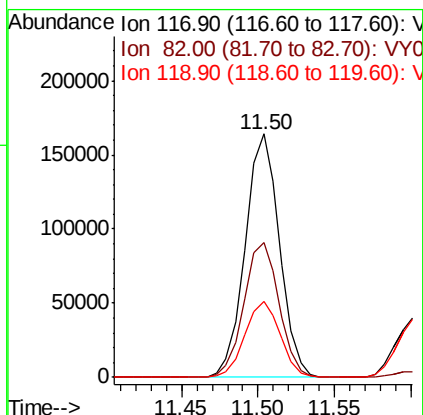
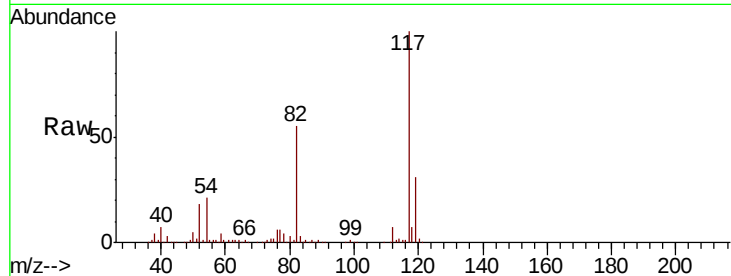




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

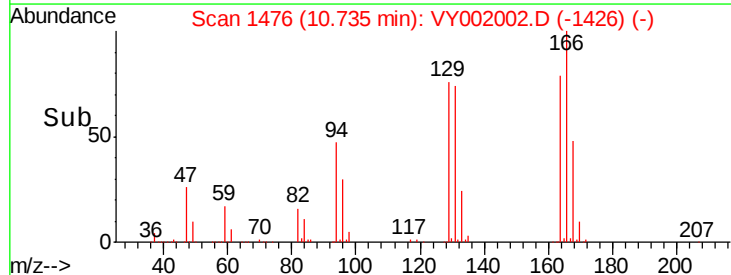
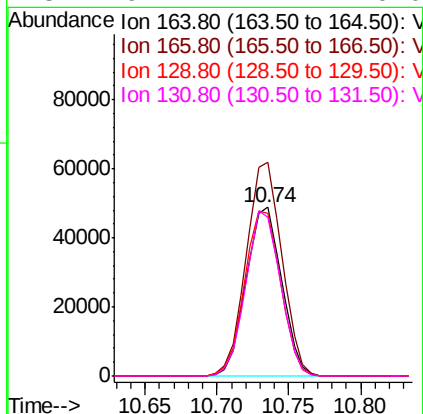
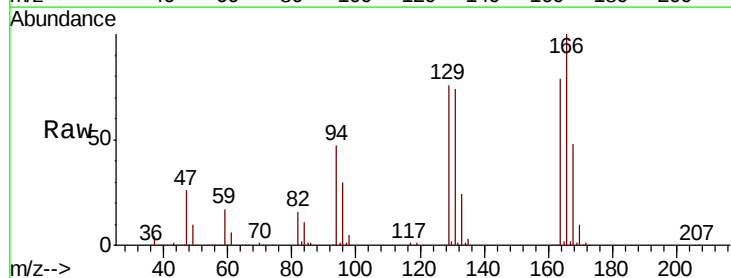
Instrument :
MSVOA_Y
ClientSampleId :

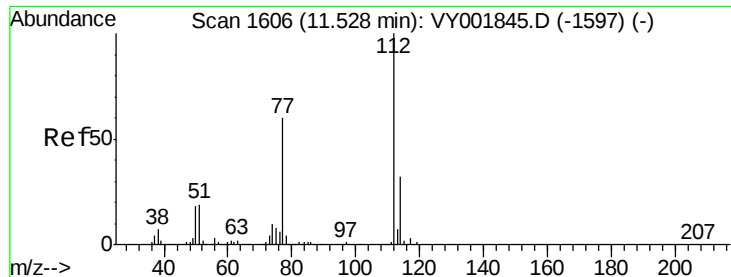
Tot Ion:117 Resp: 255573
Ion Ratio Lower Upper
117 100
82 55.4 44.5 66.7
119 31.4 25.7 38.5



#64
Tetrachloroethene
Concen: 52.285 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion:164 Resp: 83800
Ion Ratio Lower Upper
164 100
166 126.9 102.6 154.0
129 96.5 82.3 123.5
131 94.1 77.4 116.0

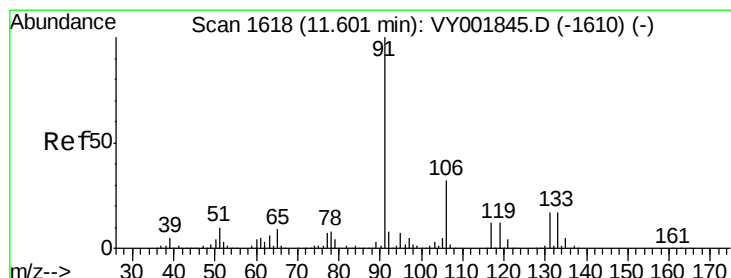
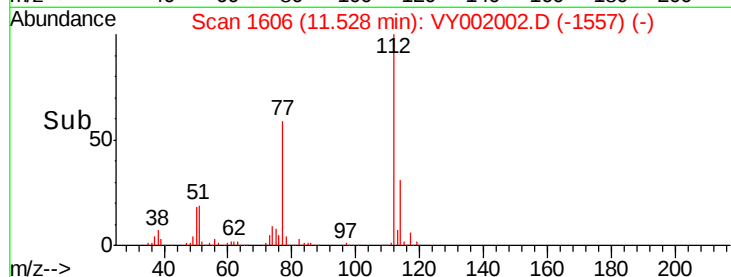
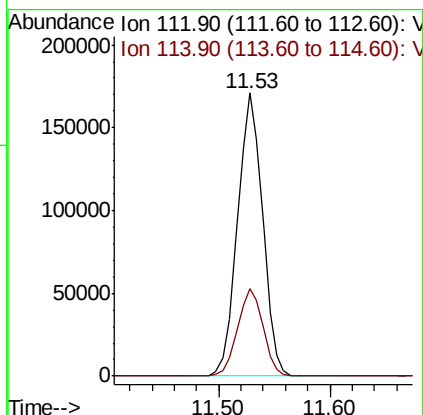
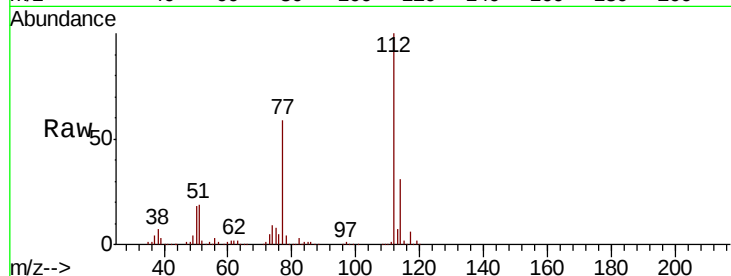




#65
Chlorobenzene
Concen: 52.245 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

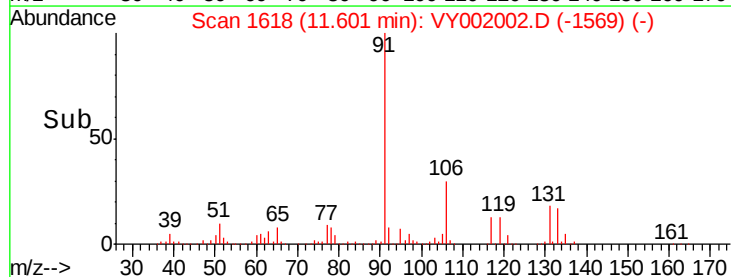
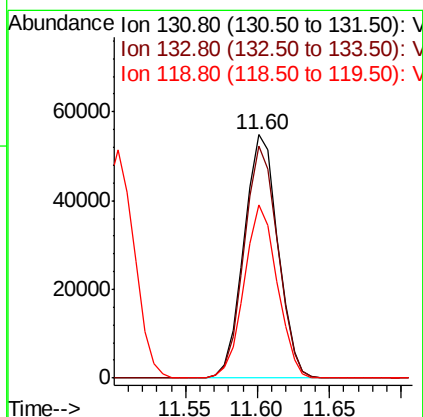
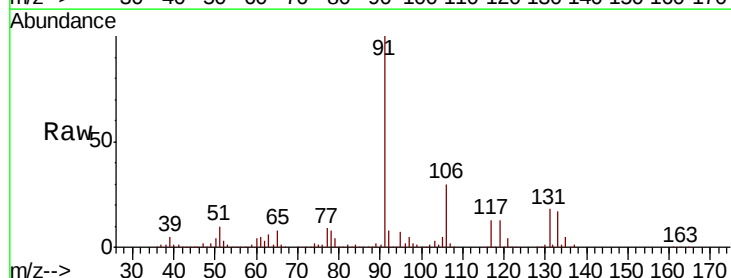
Instrument :
MSVOA_Y
ClientSampleId :

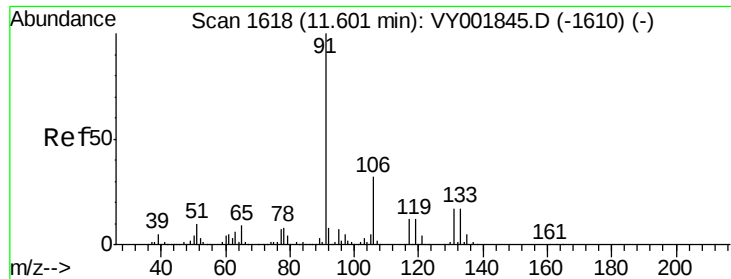
Tot Ion:112 Resp: 266053
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.788 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion:131 Resp: 89823
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 69.1 34.5 103.6

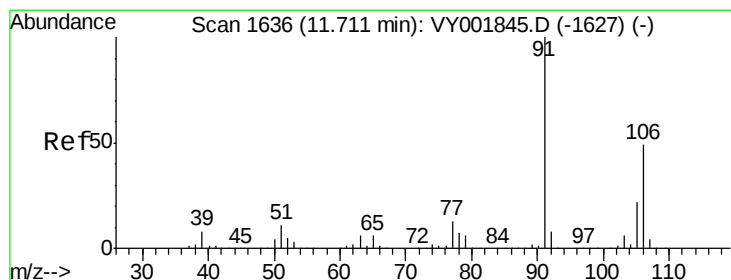
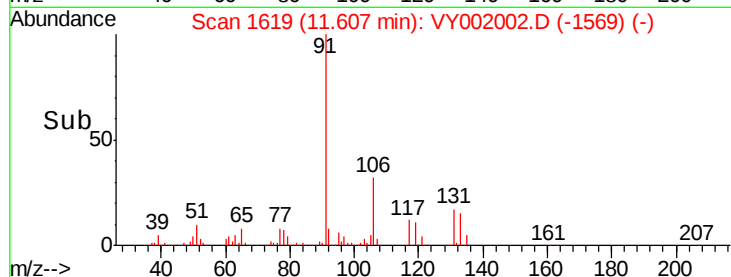
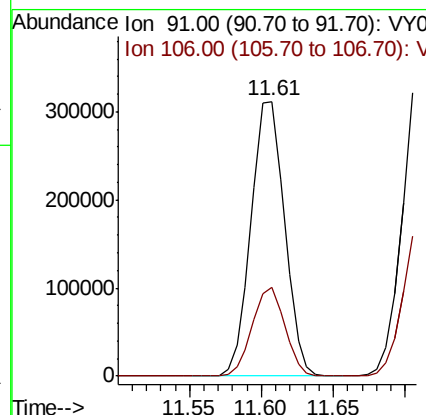
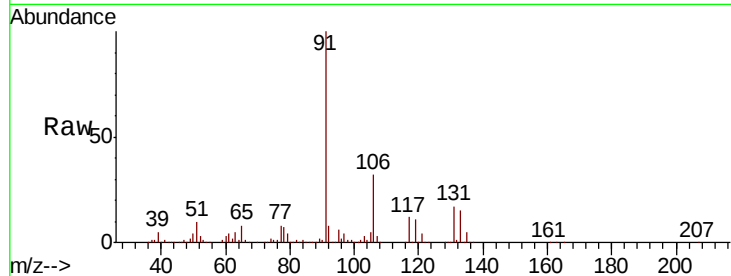




#67
Ethyl Benzene
Concen: 52.894 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

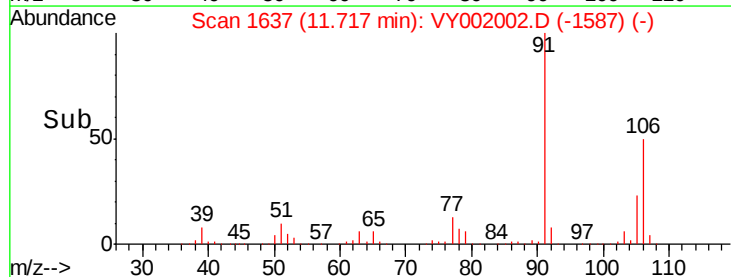
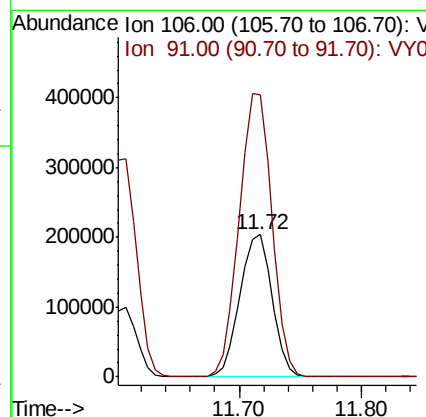
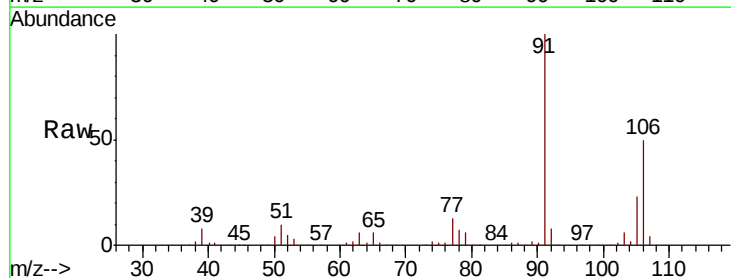
Instrument :
MSVOA_Y
ClientSampleId :

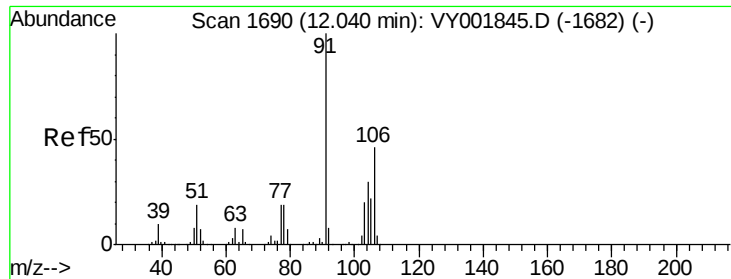
Tot Ion: 91 Resp: 502346
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.2



#68
m/p-Xylenes
Concen: 106.095 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion: 106 Resp: 372524
Ion Ratio Lower Upper
106 100
91 202.3 161.3 241.9

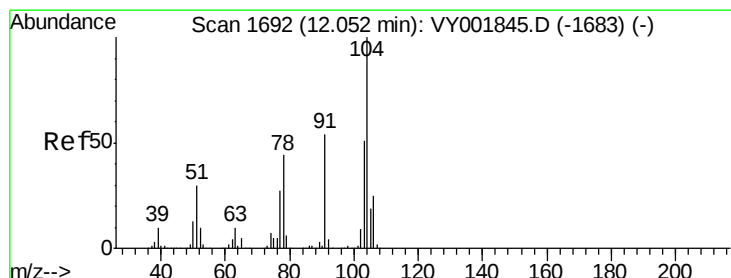
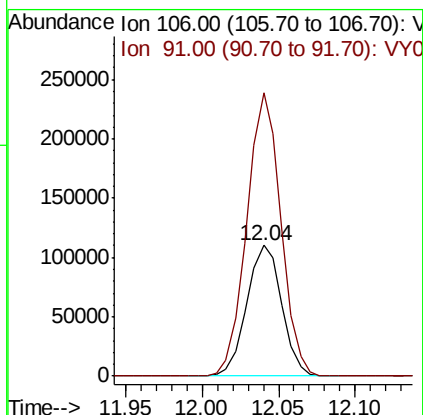
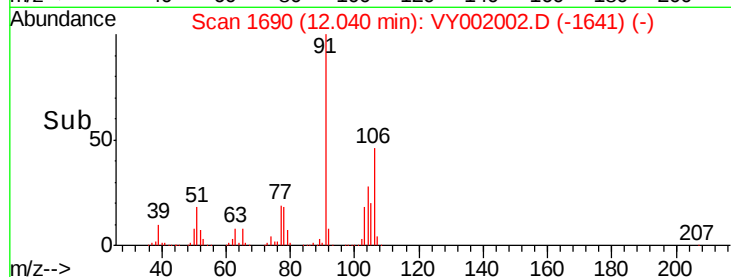
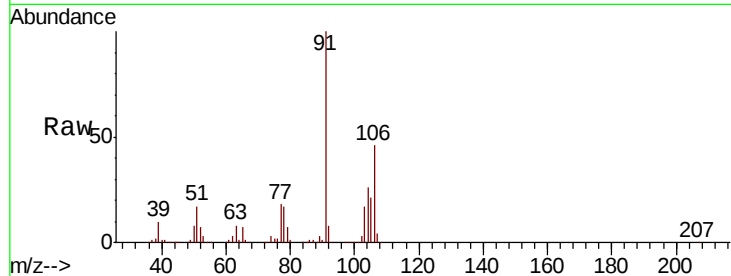




#69
o-Xylene
Concen: 52.834 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

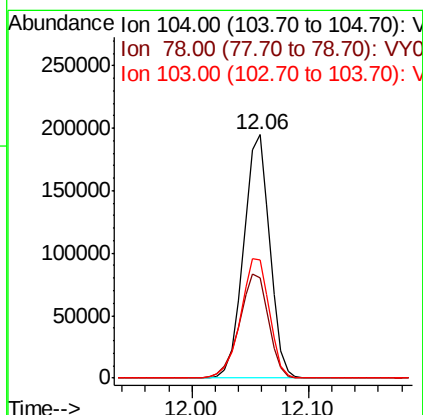
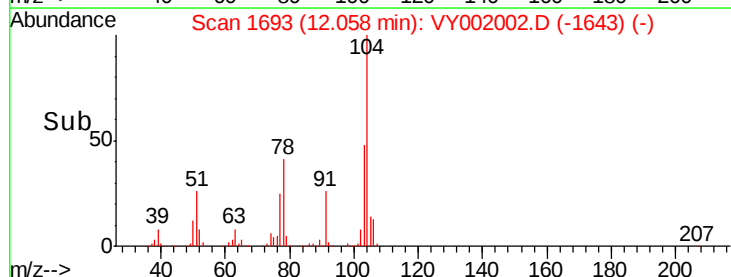
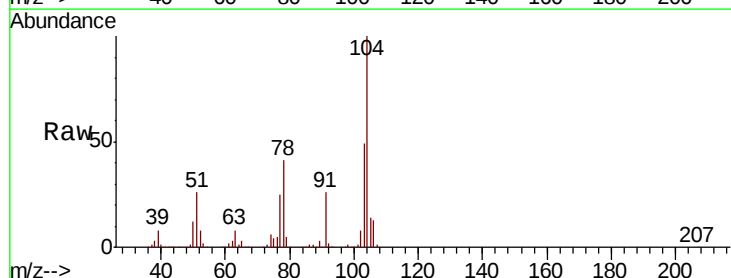
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 174852
Ion Ratio Lower Upper
106 100
91 211.3 106.8 320.4



#70
Styrene
Concen: 53.855 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion:104 Resp: 305261
Ion Ratio Lower Upper
104 100
78 47.5 38.5 57.7
103 53.9 42.9 64.3





#71

Bromoform

Concen: 54.027 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

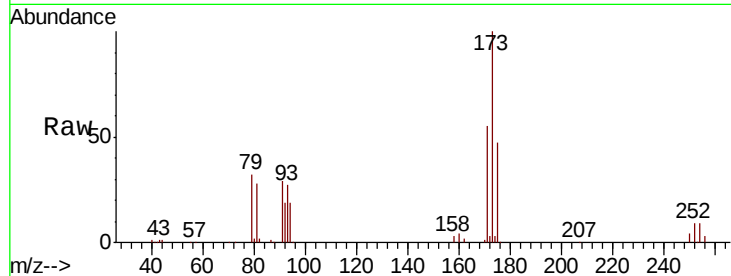
Tot Ion:173 Resp: 48929

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

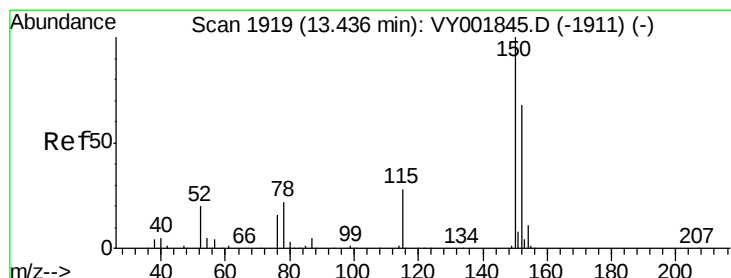
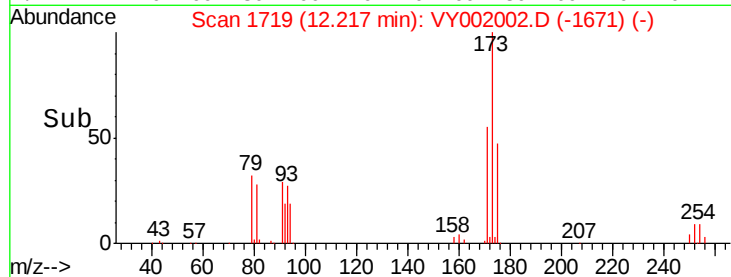
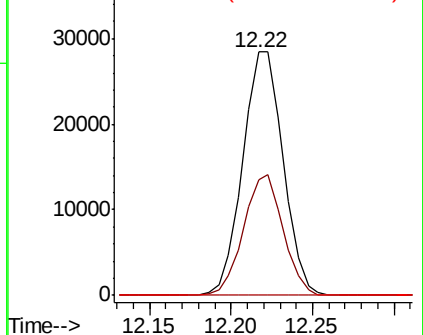
254 0.0 0.0 0.0



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: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

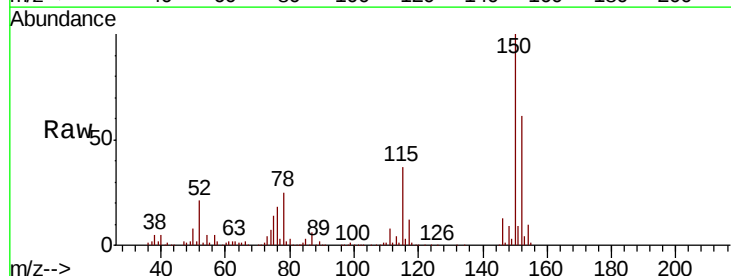
Tgt Ion:152 Resp: 117312

Ion Ratio Lower Upper

152 100

115 61.0 29.9 89.7

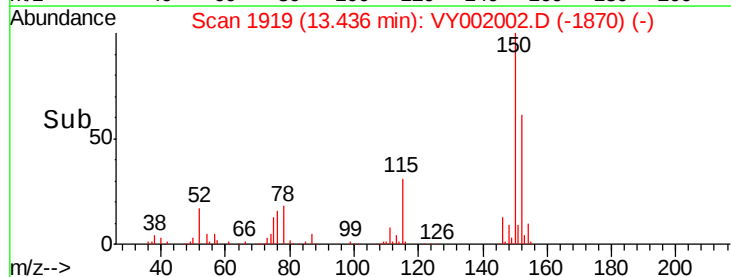
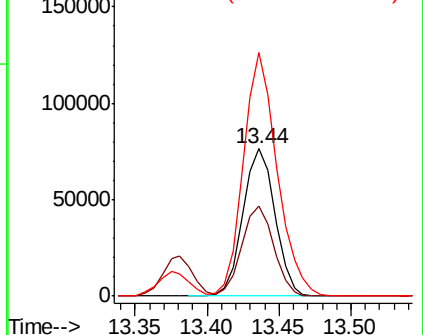
150 174.7 0.0 340.6



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: 53.180 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

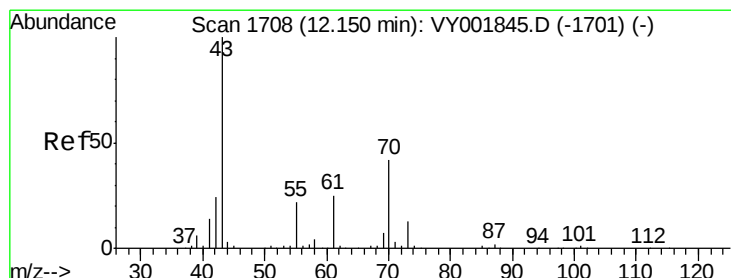
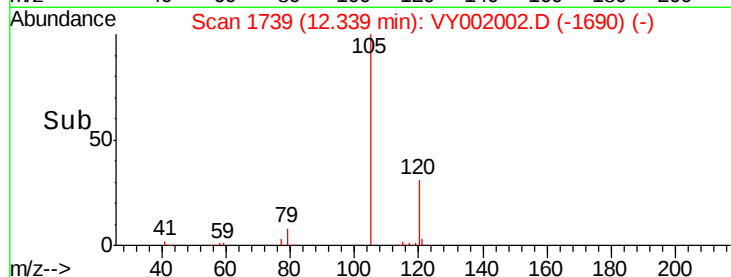
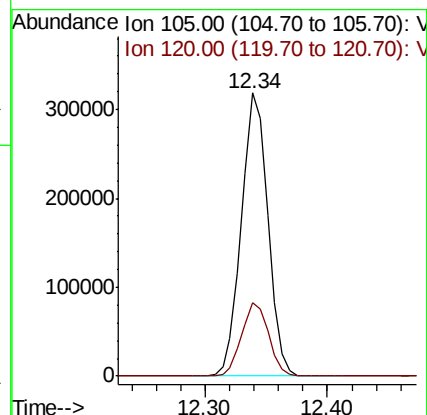
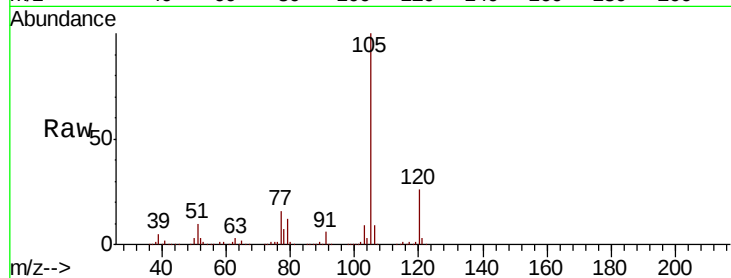
ClientSampleId :

Tot Ion:105 Resp: 476239

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#74

N-ethyl acetate

Concen: 49.647 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Tgt Ion: 43 Resp: 136645

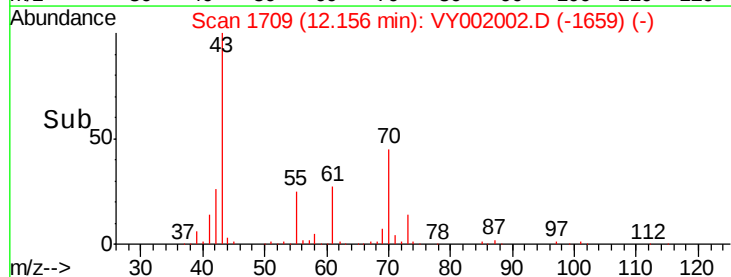
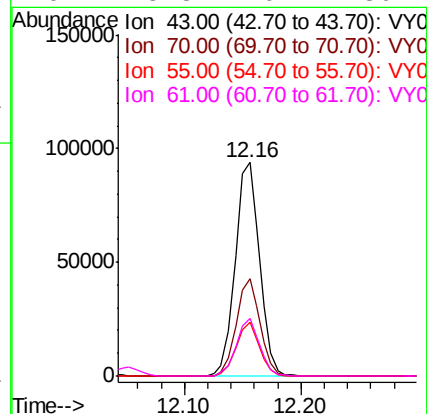
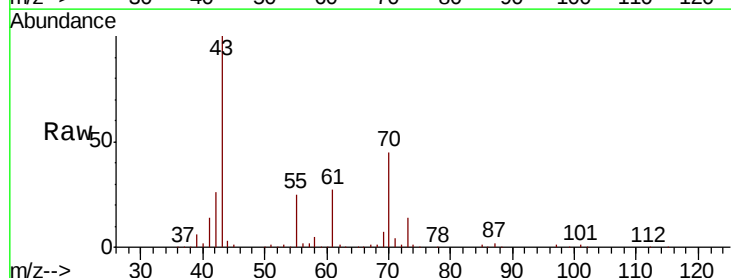
Ion Ratio Lower Upper

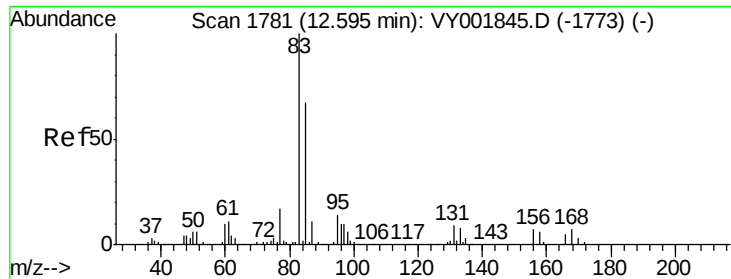
43 100

70 44.3 34.7 52.1

55 24.1 18.2 27.4

61 25.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.609 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

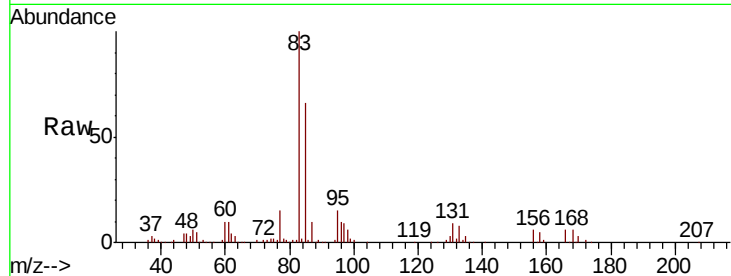
Tot Ion: 83 Resp: 99667

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

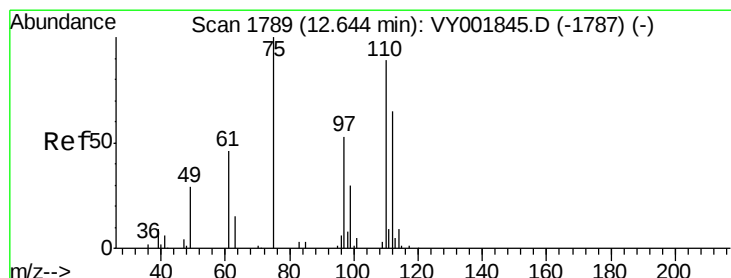
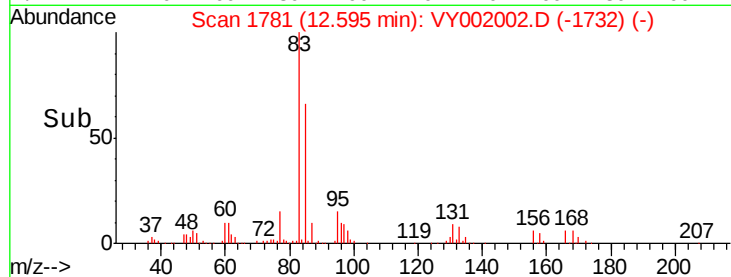
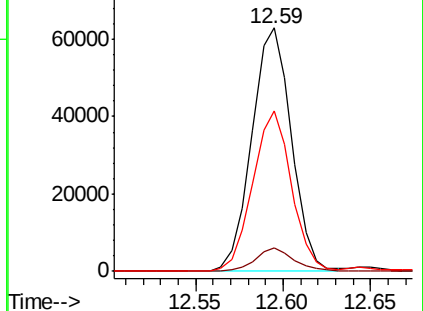
85 64.5 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY002002.D (-1732) (-)

Ion 130.80 (130.50 to 131.50): VY002002.D (-1732) (-)

Ion 84.90 (84.60 to 85.60): VY002002.D (-1732) (-)



#76

1,2,3-Trichloropropane

Concen: 91.003 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VY002002.D

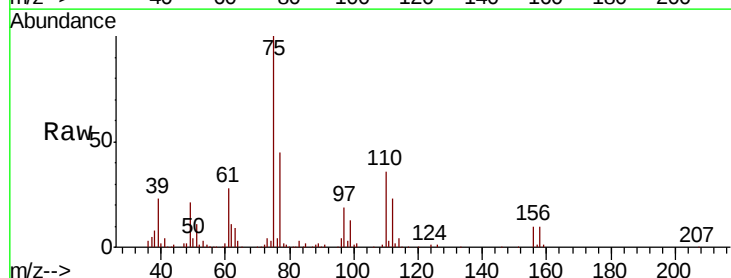
Acq: 18 Mar 2020 10:10

Tgt Ion: 75 Resp: 126675

Ion Ratio Lower Upper

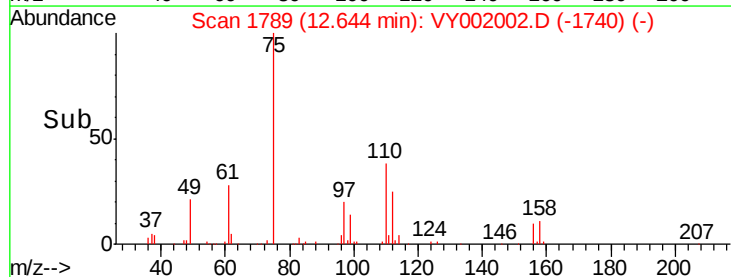
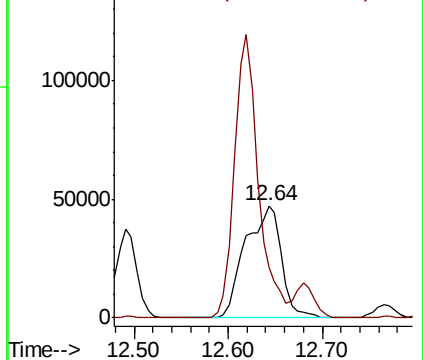
75 100

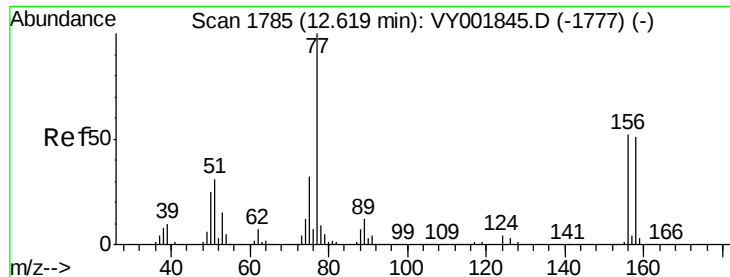
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002002.D (-1740) (-)

Ion 77.00 (76.70 to 77.70): VY002002.D (-1740) (-)





#77

Bromobenzene

Concen: 52.757 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

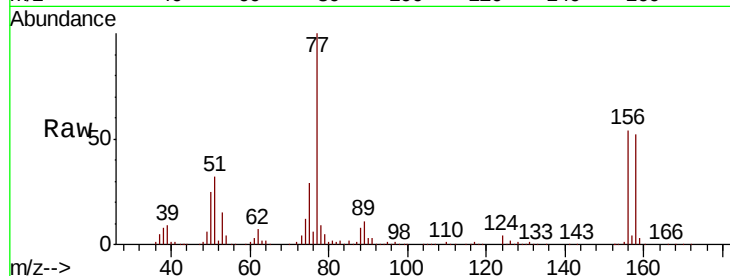
Tot Ion:156 Resp: 100098

Ion Ratio Lower Upper

156 100

77 210.4 109.0 327.0

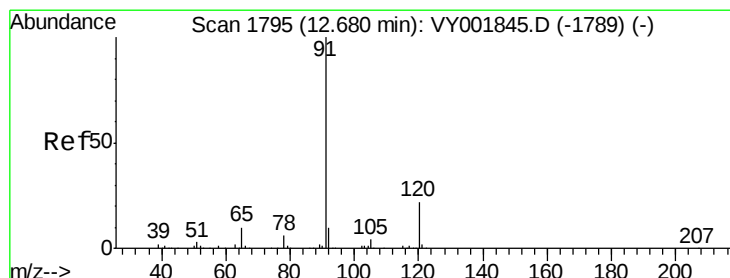
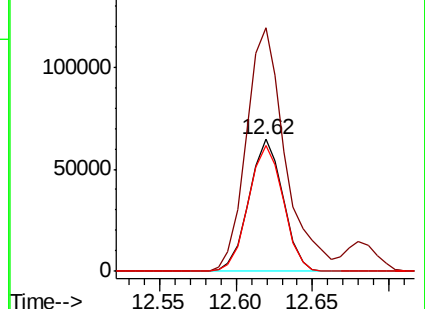
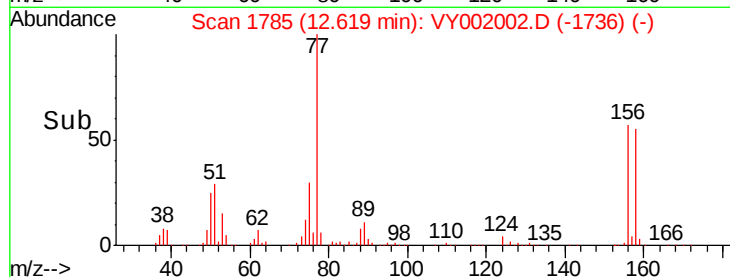
158 97.1 48.9 146.8



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: 53.754 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002002.D

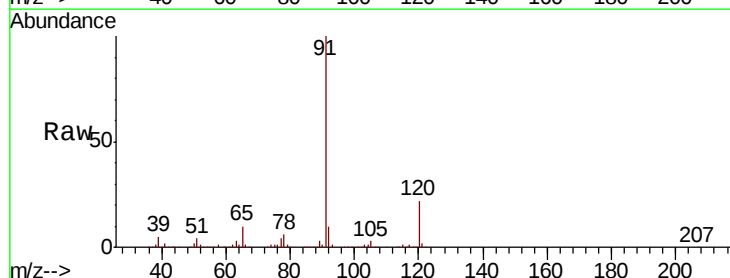
Acq: 18 Mar 2020 10:10

Tgt Ion: 91 Resp: 593884

Ion Ratio Lower Upper

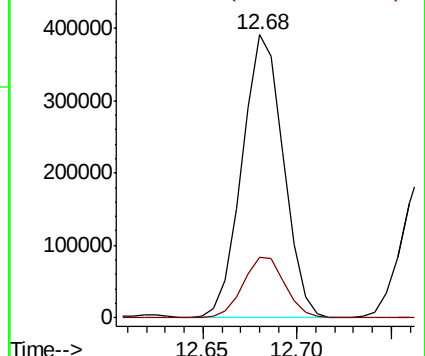
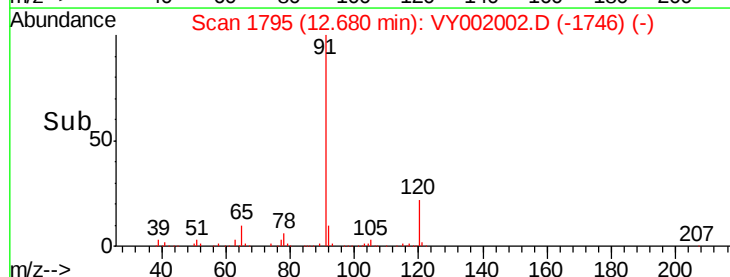
91 100

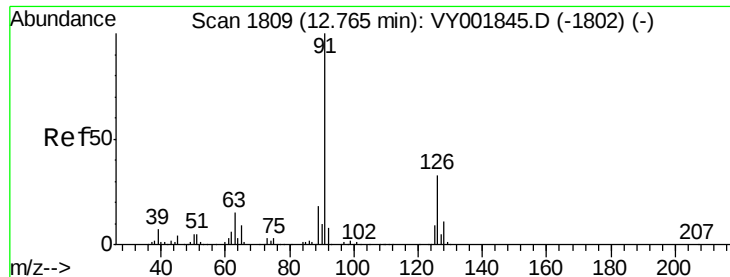
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.523 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

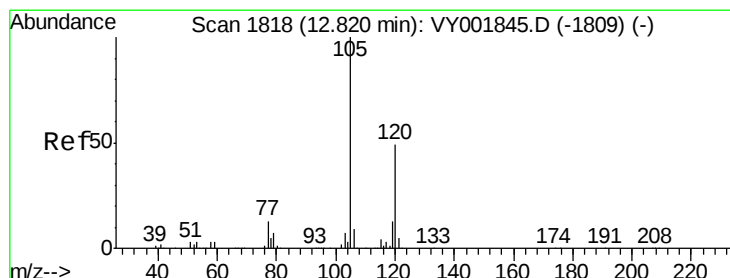
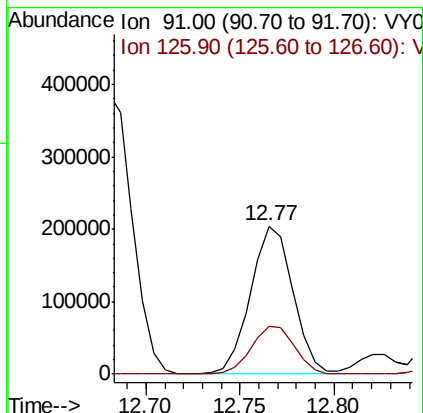
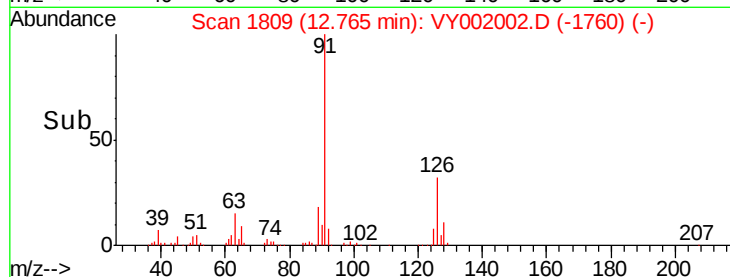
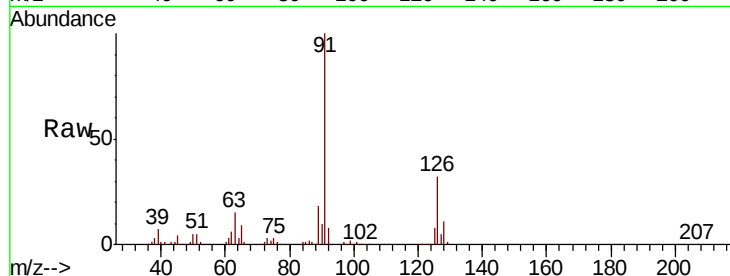
ClientSampleId :

Tot Ion: 91 Resp: 320596

Ion Ratio Lower Upper

91 100

126 33.1 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 52.980 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002002.D

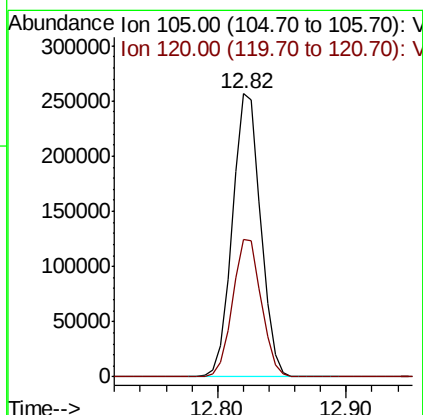
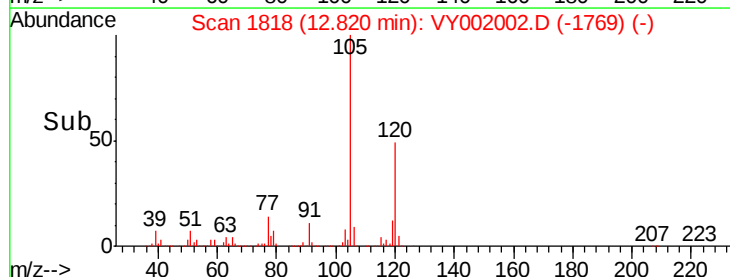
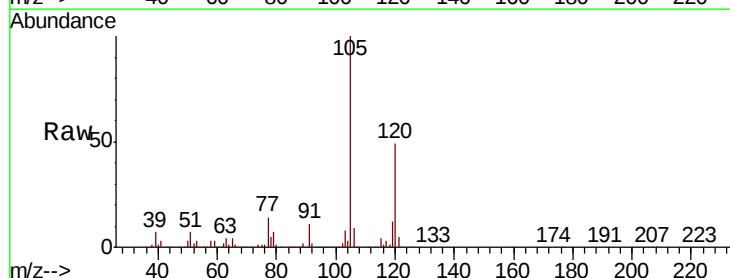
Acq: 18 Mar 2020 10:10

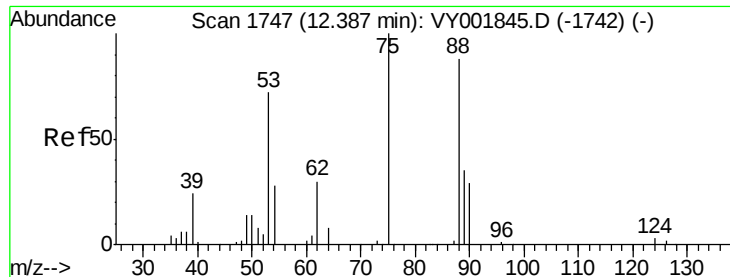
Tgt Ion:105 Resp: 390589

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 52.255 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

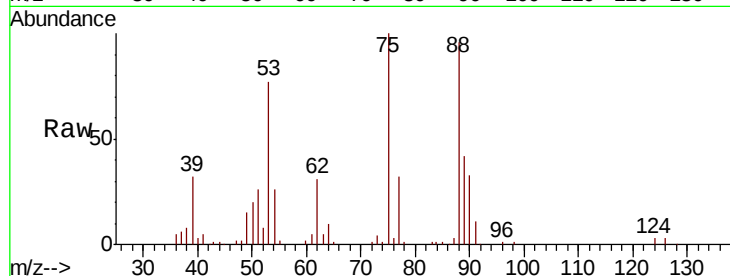
Tot Ion: 75 Resp: 36010

Ion Ratio Lower Upper

75 100

53 82.5 65.4 98.0

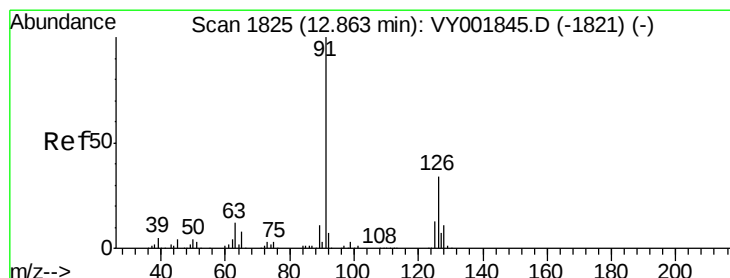
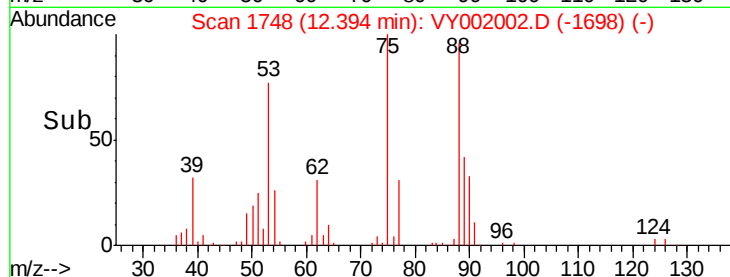
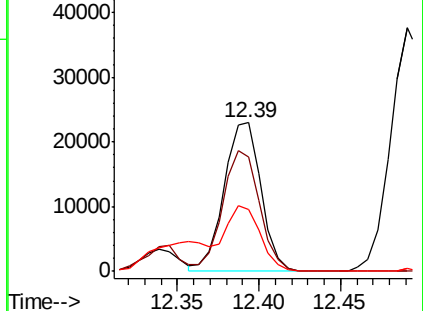
89 42.5 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 52.755 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VY002002.D

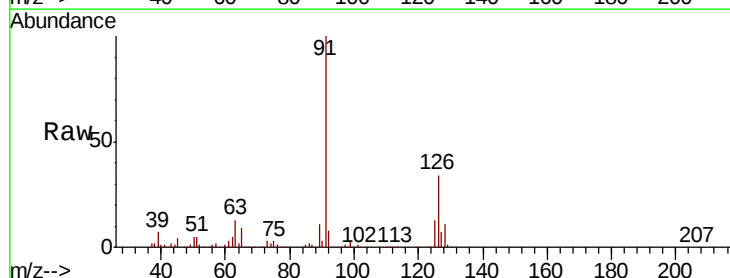
Acq: 18 Mar 2020 10:10

Tgt Ion: 91 Resp: 335280

Ion Ratio Lower Upper

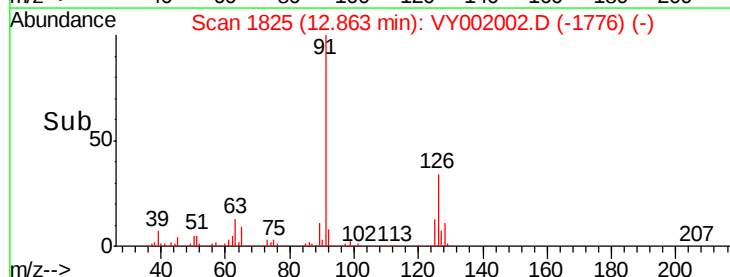
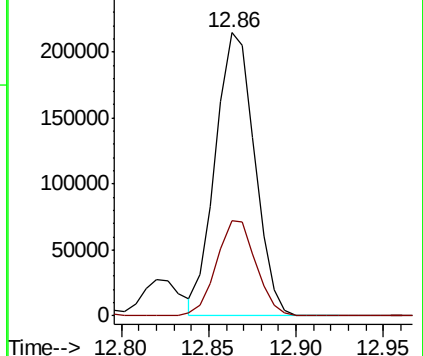
91 100

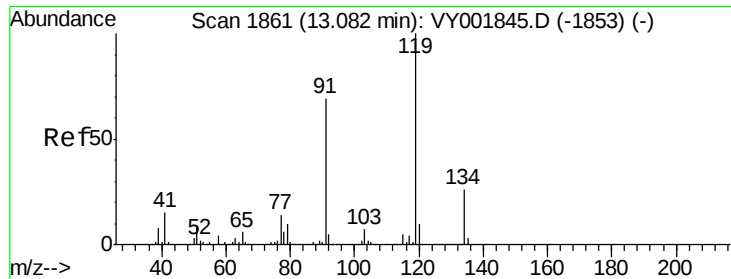
126 33.7 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

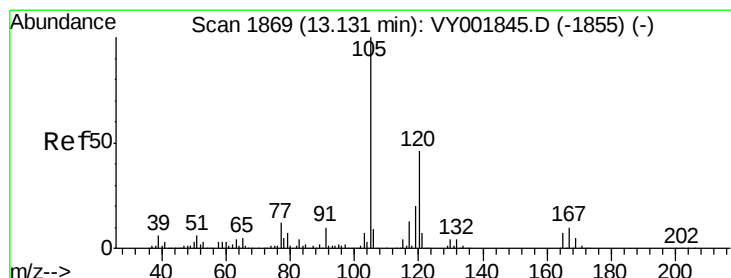
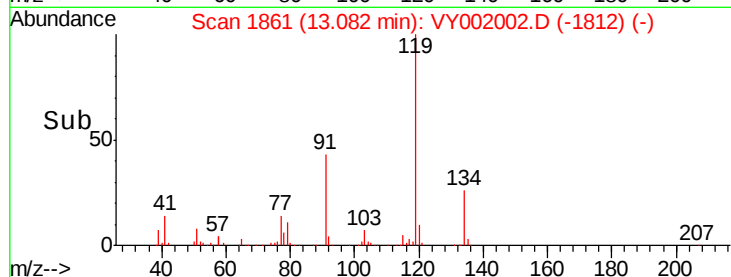
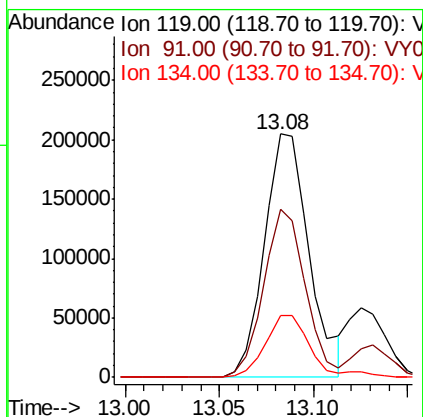
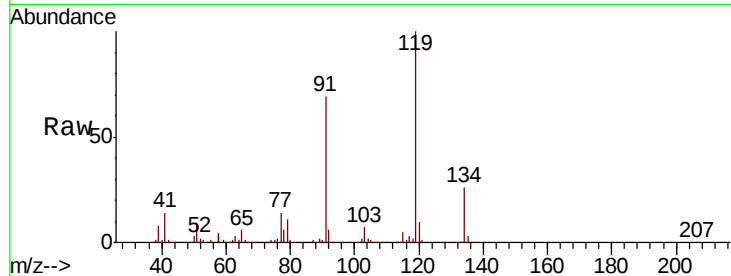




#83
 tert-Butylbenzene
 Concen: 55.099 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

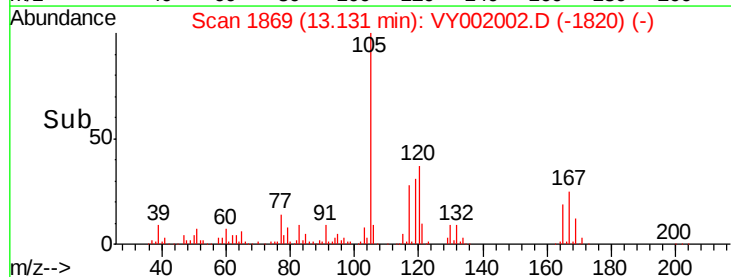
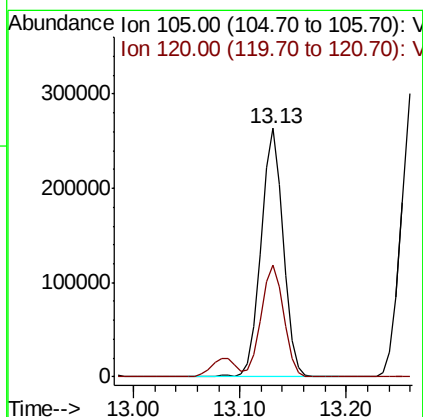
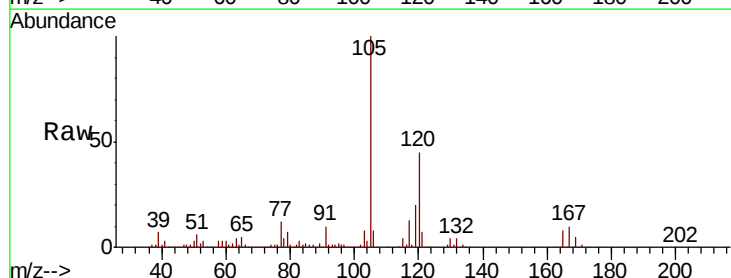
Instrument :
 MSVOA_Y
 ClientSampleId :

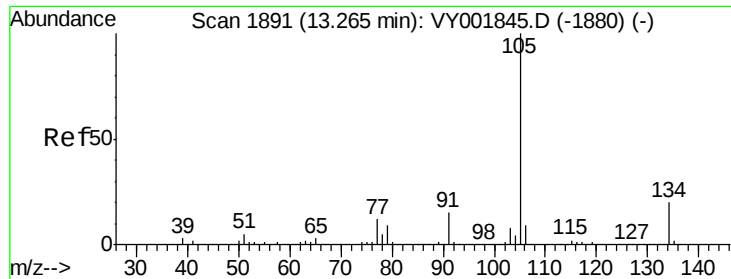
Tot Ion:119 Resp: 337389
 Ion Ratio Lower Upper
 119 100
 91 64.5 34.0 101.8
 134 26.1 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.725 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Tgt Ion:105 Resp: 385758
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.6 67.7

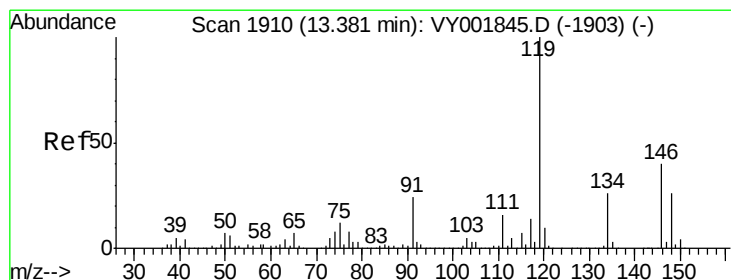
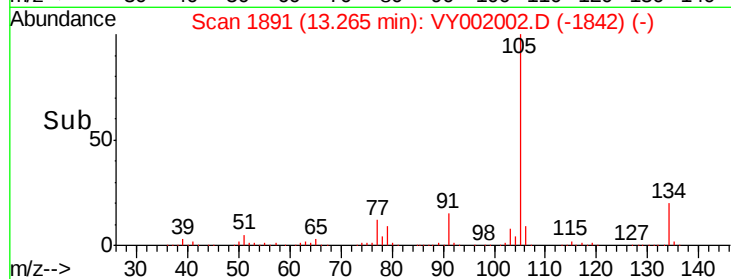
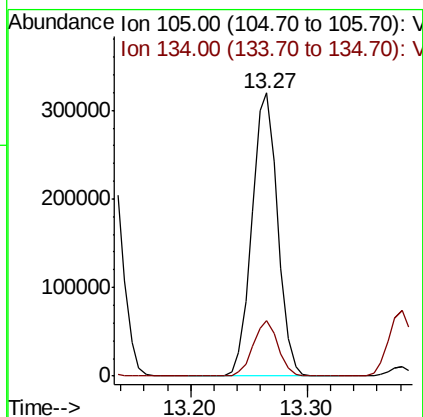
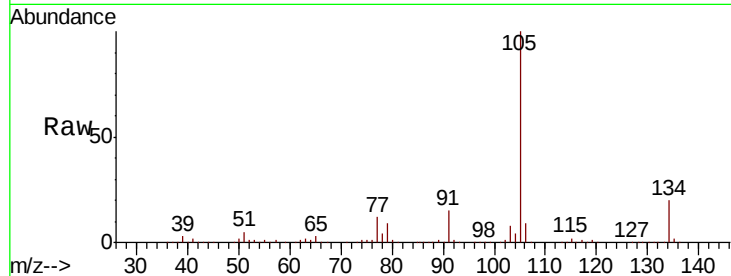




#85
 sec-Butylbenzene
 Concen: 54.289 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

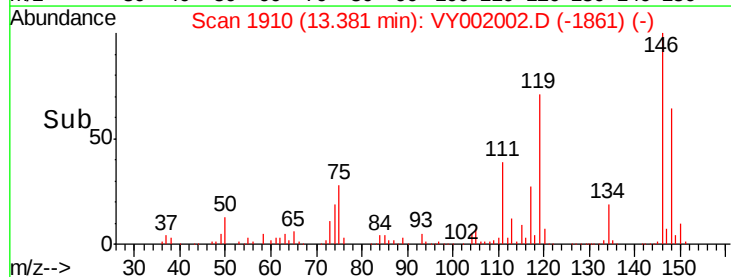
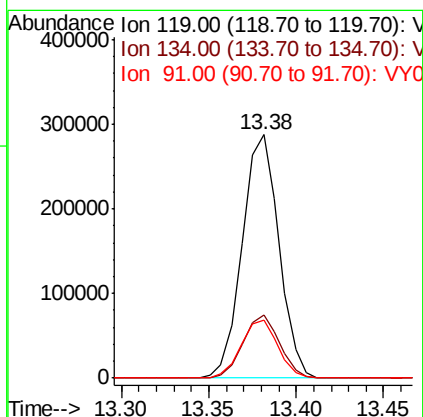
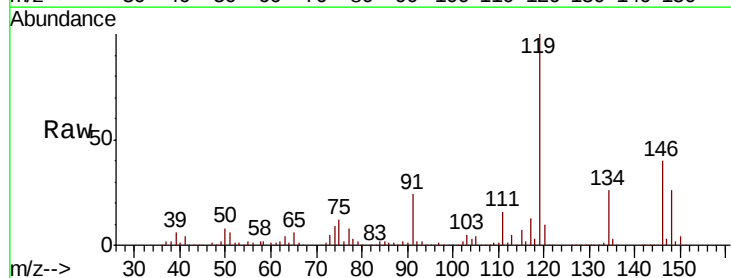
Instrument :
 MSVOA_Y
 ClientSampleId :

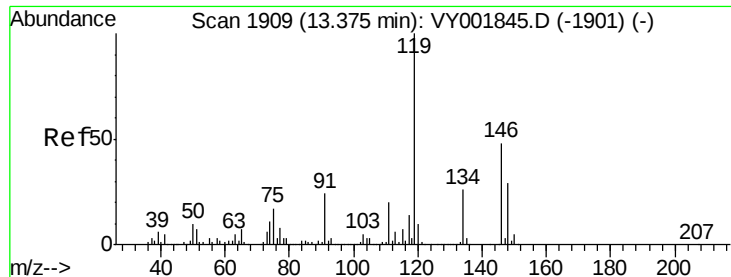
Tot Ion:105 Resp: 489999
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 53.853 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Tgt Ion:119 Resp: 419290
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 23.8 11.9 35.7

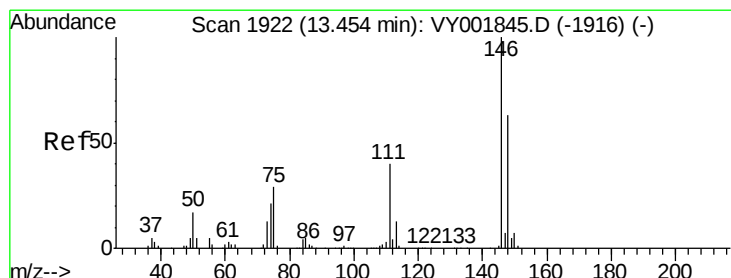
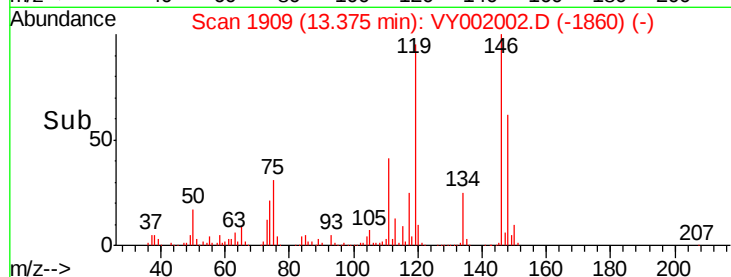
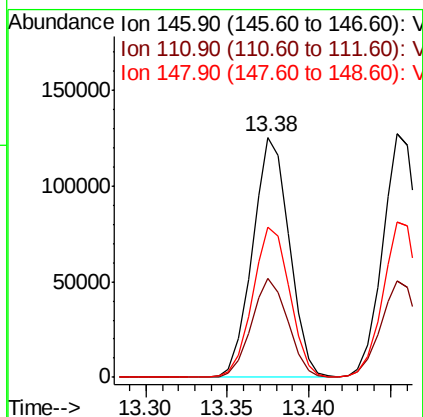
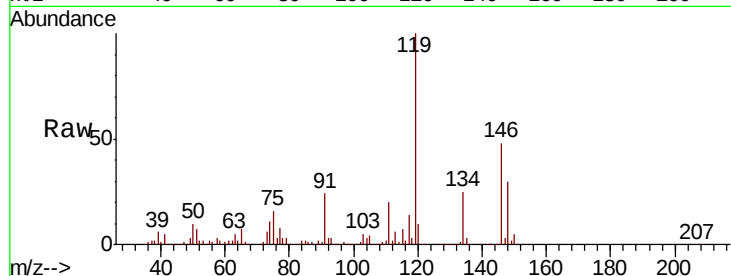




#87
 1,3-Dichlorobenzene
 Concen: 52.689 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

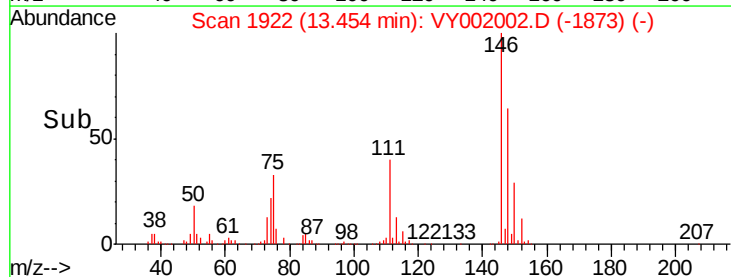
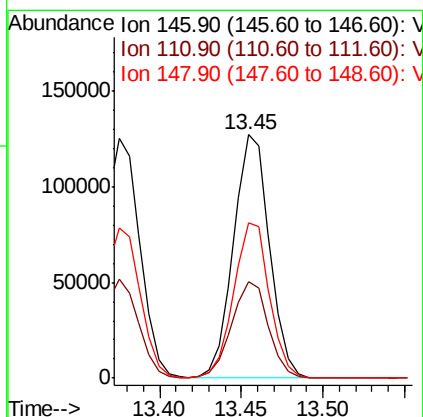
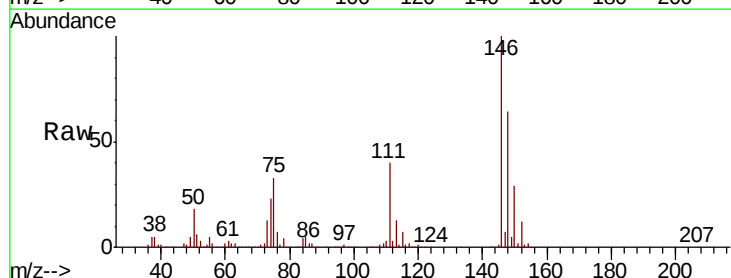
Instrument :
 MSVOA_Y
 ClientSampleId :

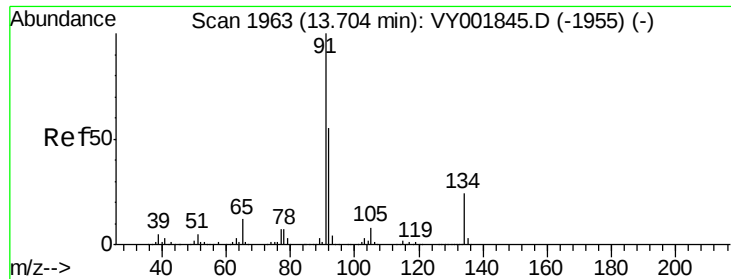
Tot Ion:146 Resp: 195901
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.8 62.5
 148 63.0 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 51.856 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Tgt Ion:146 Resp: 195596
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 60.0
 148 63.6 31.5 94.5

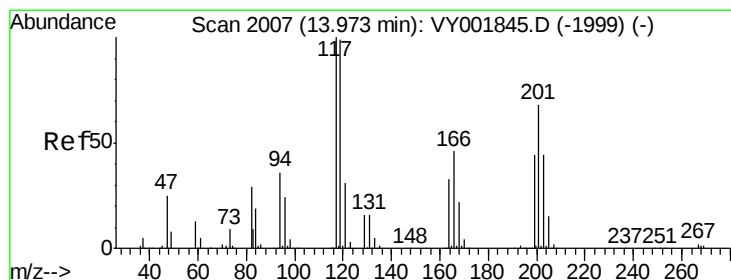
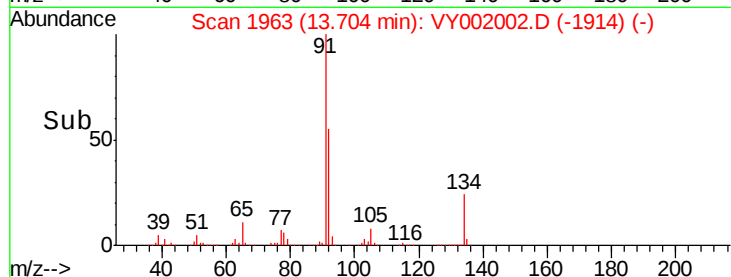
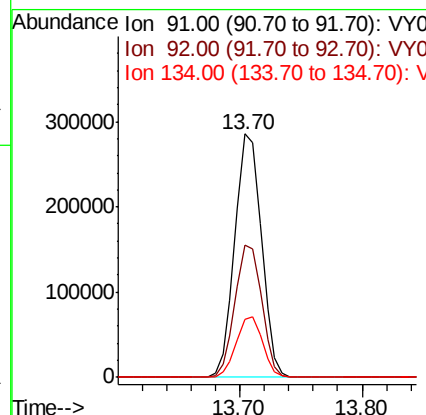
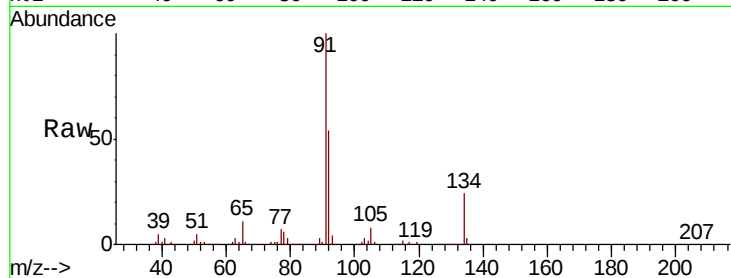




#89
n-Butylbenzene
Concen: 53.159 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

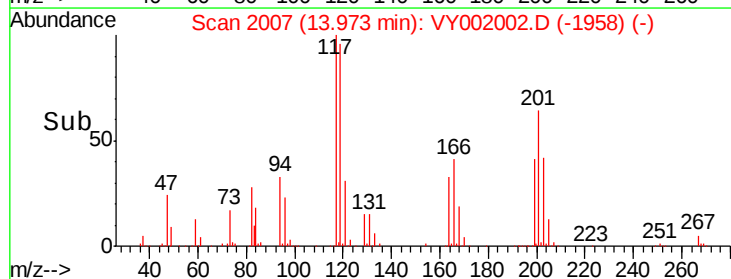
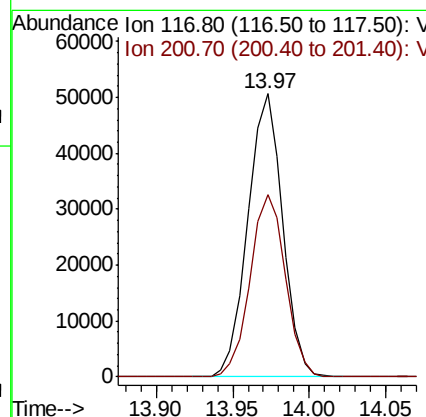
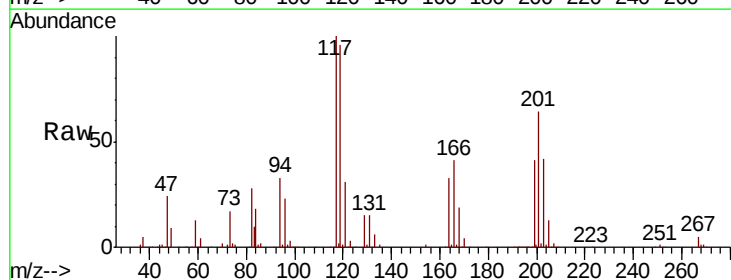
Instrument :
MSVOA_Y
ClientSampled :

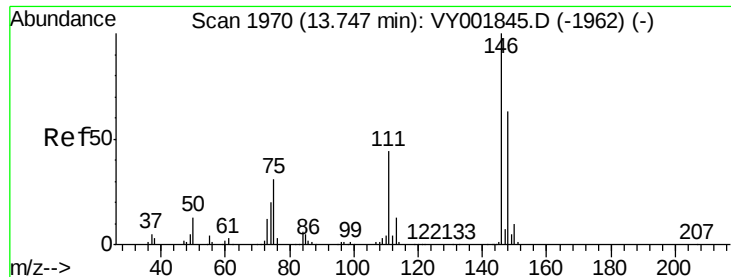
Tot Ion: 91 Resp: 429405
Ion Ratio Lower Upper
91 100
92 54.7 27.5 82.4
134 24.8 12.5 37.5



#90
Hexachloroethane
Concen: 54.418 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY002002.D
Acq: 18 Mar 2020 10:10

Tgt Ion: 117 Resp: 79930
Ion Ratio Lower Upper
117 100
201 65.4 32.5 97.5

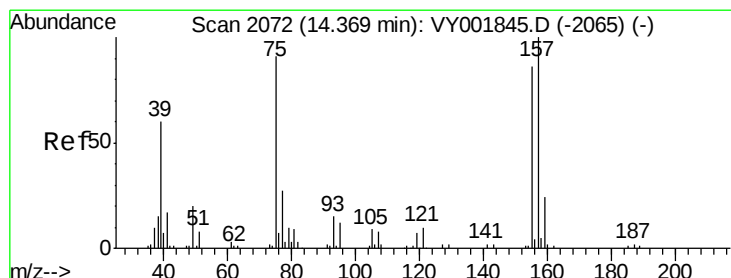
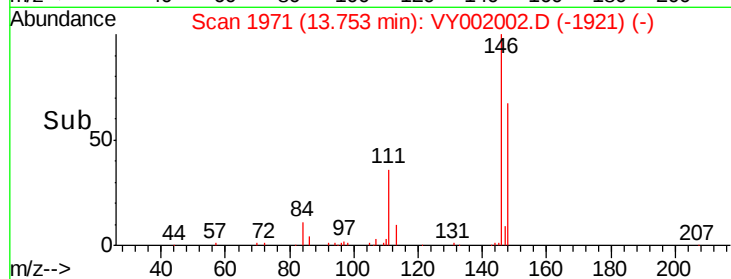
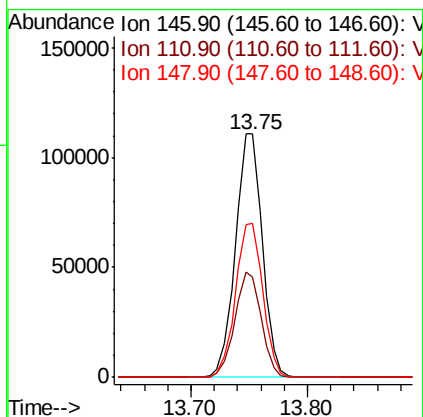
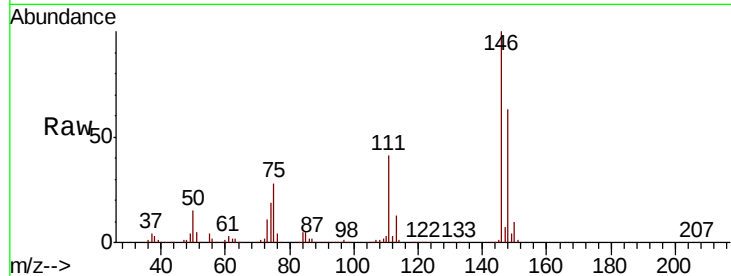




#91
 1,2-Dichlorobenzene
 Concen: 52.810 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

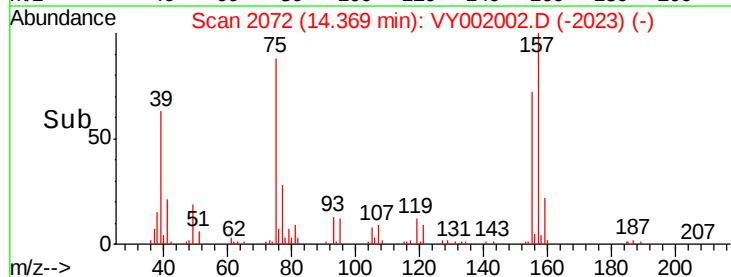
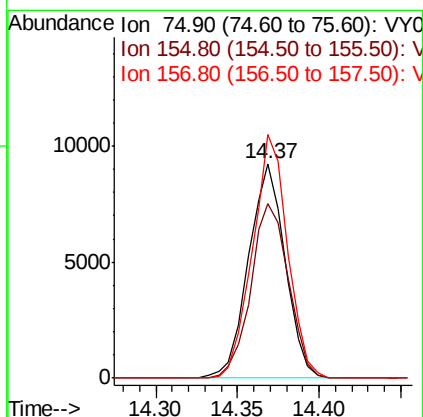
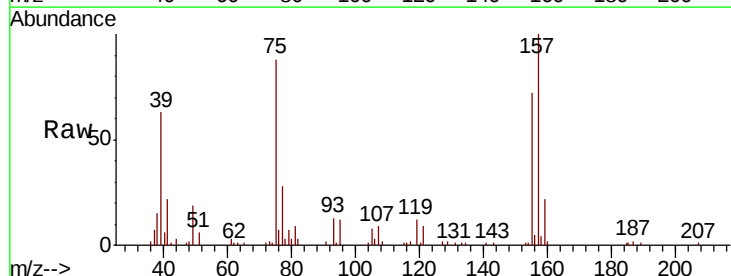
Instrument :
 MSVOA_Y
 ClientSampleId :

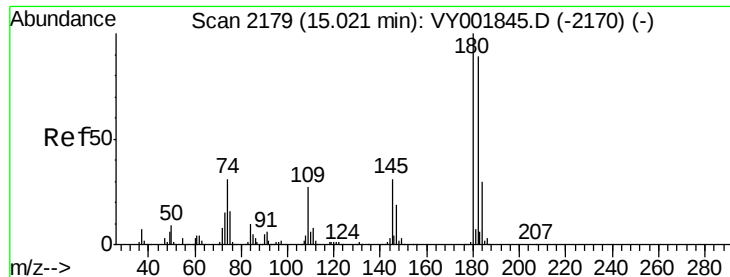
Tot Ion:146 Resp: 178381
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.5 64.5
 148 64.1 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.732 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Tgt Ion: 75 Resp: 14384
 Ion Ratio Lower Upper
 75 100
 155 83.7 42.9 128.7
 157 109.1 53.1 159.4

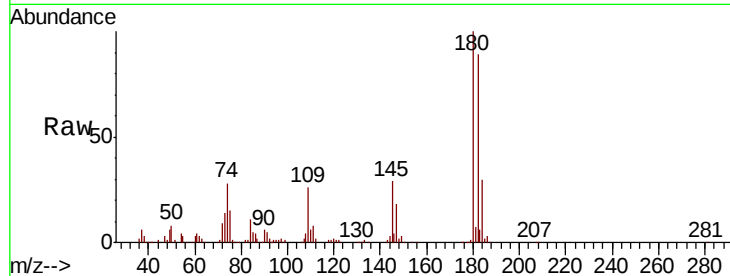




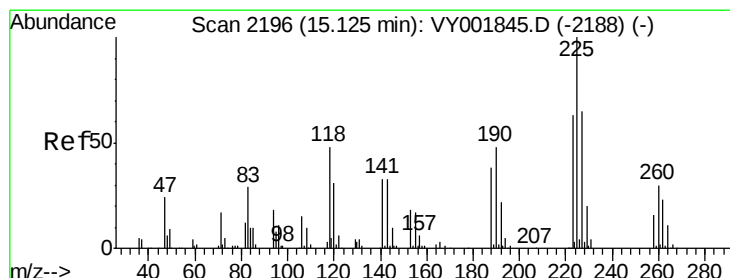
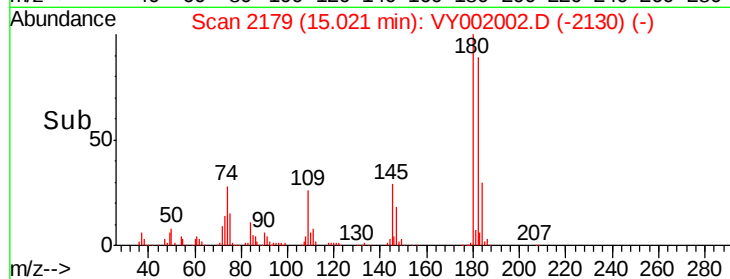
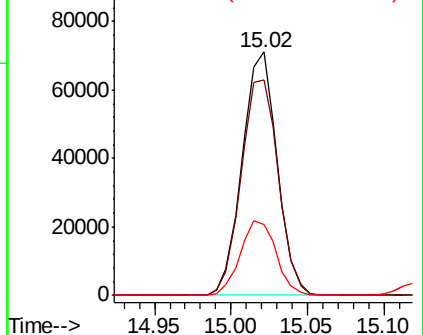
#93
 1,2,4-Trichlorobenzene
 Concen: 51.551 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 112923
 Ion Ratio Lower Upper
 180 100
 182 93.9 46.1 138.3
 145 31.5 15.6 46.8

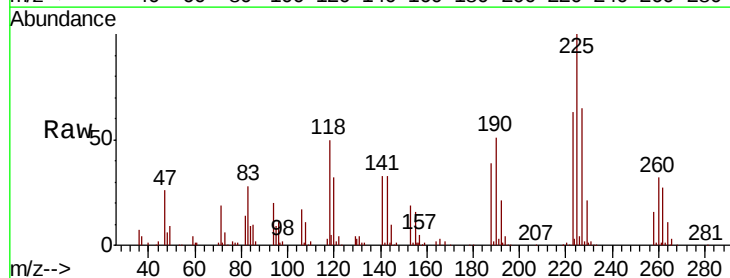


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

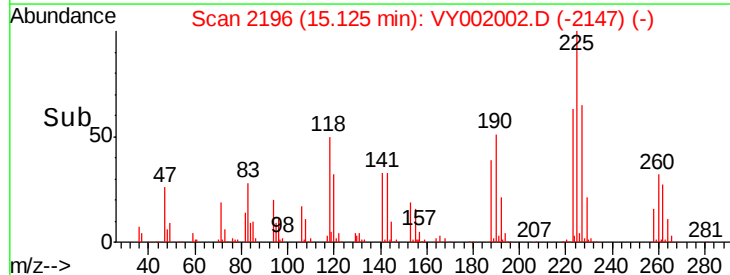
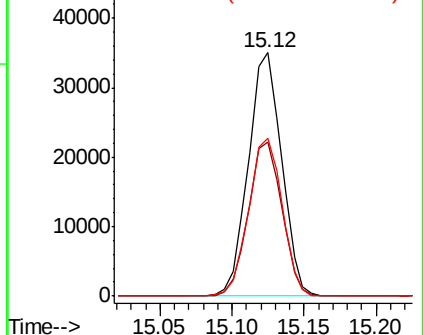


#94
 Hexachlorobutadiene
 Concen: 52.333 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VY002002.D
 Acq: 18 Mar 2020 10:10

Tgt Ion:225 Resp: 55890
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.5 94.5
 227 65.3 31.9 95.5



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





#95

Naphthalene

Concen: 49.672 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

Instrument :

MSVOA_Y

ClientSampleId :

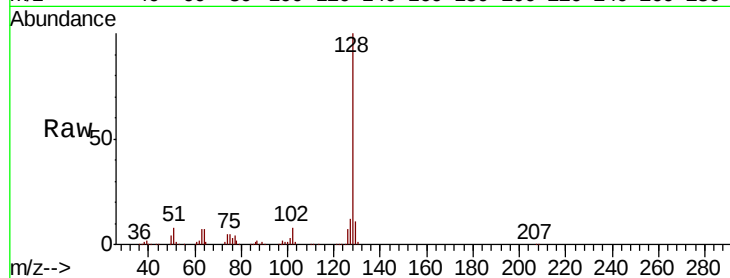
Tot Ion:128 Resp: 258091

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

129 10.9 8.6 13.0

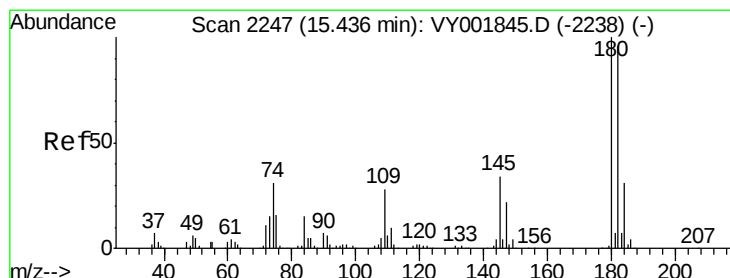
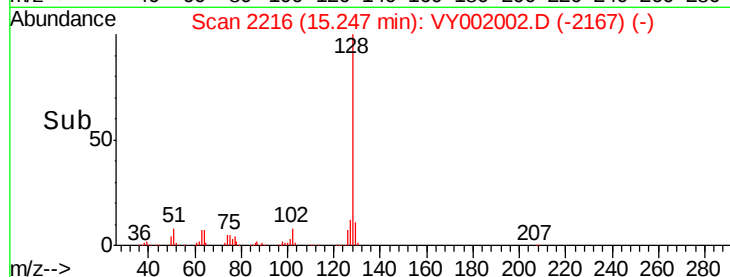
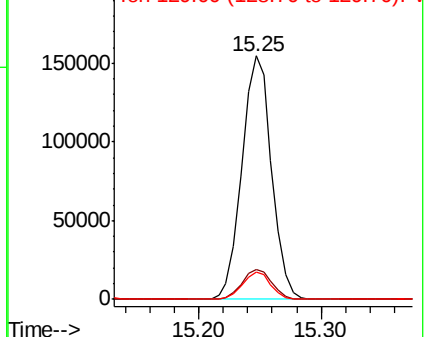


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.493 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. -0.00 min

Lab File: VY002002.D

Acq: 18 Mar 2020 10:10

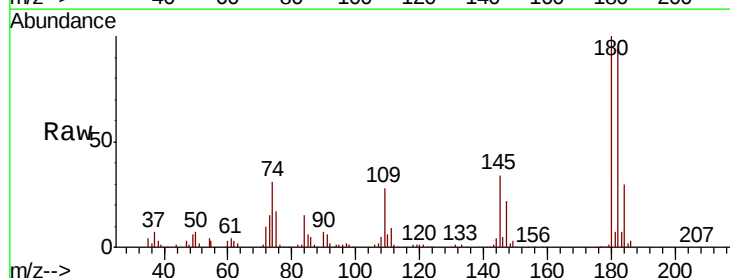
Tgt Ion:180 Resp: 99367

Ion Ratio Lower Upper

180 100

182 94.7 47.6 142.9

145 33.9 16.8 50.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

