

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
 Data File : VY002963.D
 Acq On : 22 Jun 2020 10:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 22 14:20:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 20 06:39:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	338894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	488987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	457374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	246058	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	135611	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.72	113	140011	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.18	98	558130	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.48	95	190955	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	109556	50.708	ug/l	98
3) Chloromethane	2.12	50	123535	50.359	ug/l	99
4) Vinyl Chloride	2.26	62	132802	50.421	ug/l	99
5) Bromomethane	2.65	94	93229	47.969	ug/l	99
6) Chloroethane	2.80	64	79322	46.563	ug/l	97
7) Trichlorofluoromethane	3.13	101	218143	46.122	ug/l	97
8) Diethyl Ether	3.54	74	76689	44.939	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	128293	45.039	ug/l	99
10) Methyl Iodide	4.10	142	183954	46.646	ug/l	99
11) Tert butyl alcohol	4.97	59	66889	218.866	ug/l	99
12) 1,1-Dichloroethene	3.88	96	131303	46.485	ug/l	98
13) Acrolein	3.74	56	74002	263.156	ug/l	100
14) Allyl chloride	4.49	41	181799	44.623	ug/l	99
15) Acrylonitrile	5.18	53	181123	221.299	ug/l	99
16) Acetone	3.96	43	192735	277.996	ug/l	96
17) Carbon Disulfide	4.20	76	407514	48.799	ug/l	99
18) Methyl Acetate	4.49	43	73140	41.016	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	348116	45.249	ug/l	98
20) Methylene Chloride	4.72	84	144404	41.868	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	145043	46.249	ug/l	96
22) Diisopropyl ether	6.13	45	362394	43.569	ug/l	96
23) Vinyl Acetate	6.07	43	1247578	231.876	ug/l	100
24) 1,1-Dichloroethane	6.03	63	221681	44.988	ug/l	99
25) 2-Butanone	6.99	43	240005	231.019	ug/l	100
26) 2,2-Dichloropropane	6.99	77	212302	46.130	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	159600	45.533	ug/l	99
28) Bromochloromethane	7.34	49	98000	47.567	ug/l	97
29) Tetrahydrofuran	7.35	42	145122	216.253	ug/l	98
30) Chloroform	7.52	83	236588	45.842	ug/l	97
31) Cyclohexane	7.79	56	208062	43.287	ug/l	100
32) 1,1,1-Trichloroethane	7.71	97	219796	46.219	ug/l	100
36) 1,1-Dichloropropene	7.93	75	186110	46.864	ug/l	100
37) Ethyl Acetate	7.08	43	97946	44.417	ug/l	98
38) Carbon Tetrachloride	7.91	117	210672	48.137	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	243060	46.431	ug/l	99
40) Benzene	8.16	78	545317	46.123	ug/l	99
41) Methacrylonitrile	7.35	41	132827	120.316	ug/l #	33
42) 1,2-Dichloroethane	8.24	62	151310	46.110	ug/l	99
43) Isopropyl Acetate	8.28	43	183561	44.702	ug/l	99
44) Trichloroethene	8.94	130	172756	47.172	ug/l	100
45) 1,2-Dichloropropane	9.22	63	128454	45.178	ug/l	97
46) Dibromomethane	9.31	93	77678	45.756	ug/l	98
47) Bromodichloromethane	9.50	83	184038	46.433	ug/l	99
48) Methyl methacrylate	9.29	41	82280	44.656	ug/l	96
49) 1,4-Dioxane	9.30	88	22753	914.455	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	486533	223.589	ug/l	99
52) Toluene	10.25	92	359979	47.045	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	203332	47.202	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	226677	46.489	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	114751	45.326	ug/l	97
56) Ethyl methacrylate	10.51	69	160230	46.950	ug/l	99
57) 1,3-Dichloropropane	10.79	76	195205	46.237	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	441055	259.477	ug/l	99
59) 2-Hexanone	10.83	43	360101	235.383	ug/l	100
60) Dibromochloromethane	10.99	129	152284	47.166	ug/l	99
61) 1,2-Dibromoethane	11.09	107	115972	46.173	ug/l	99
64) Tetrachloroethene	10.72	164	178067	46.721	ug/l	98
65) Chlorobenzene	11.52	112	405128	46.795	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	153396	46.874	ug/l	100
67) Ethyl Benzene	11.60	91	704498	47.175	ug/l	99
68) m/p-Xylenes	11.70	106	551084	94.965	ug/l	99
69) o-Xylene	12.03	106	258733	47.300	ug/l	100
70) Styrene	12.05	104	448084	47.410	ug/l	99
71) Bromoform	12.20	173	102489	46.790	ug/l	98
73) Isopropylbenzene	12.33	105	704711	46.730	ug/l	100
74) N-amyl acetate	12.14	43	177163	45.618	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	126632	45.291	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	184845	86.259	ug/l #	100
77) Bromobenzene	12.61	156	183612	46.504	ug/l	99
78) n-propylbenzene	12.67	91	823091	47.045	ug/l	100
79) 2-Chlorotoluene	12.75	91	450228	45.945	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	596236	47.427	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53221	47.417	ug/l #	92
82) 4-Chlorotoluene	12.86	91	480243	46.601	ug/l	100
83) tert-Butylbenzene	13.08	119	526800	46.782	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	600381	47.460	ug/l	99
85) sec-Butylbenzene	13.25	105	723239	47.215	ug/l	100
86) p-Isopropyltoluene	13.37	119	683273	47.554	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	346144	46.510	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	347873	46.678	ug/l	99
89) n-Butylbenzene	13.70	91	613007	47.194	ug/l	100
90) Hexachloroethane	13.96	117	125400	46.856	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	316590	46.739	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	23502	44.993	ug/l	97

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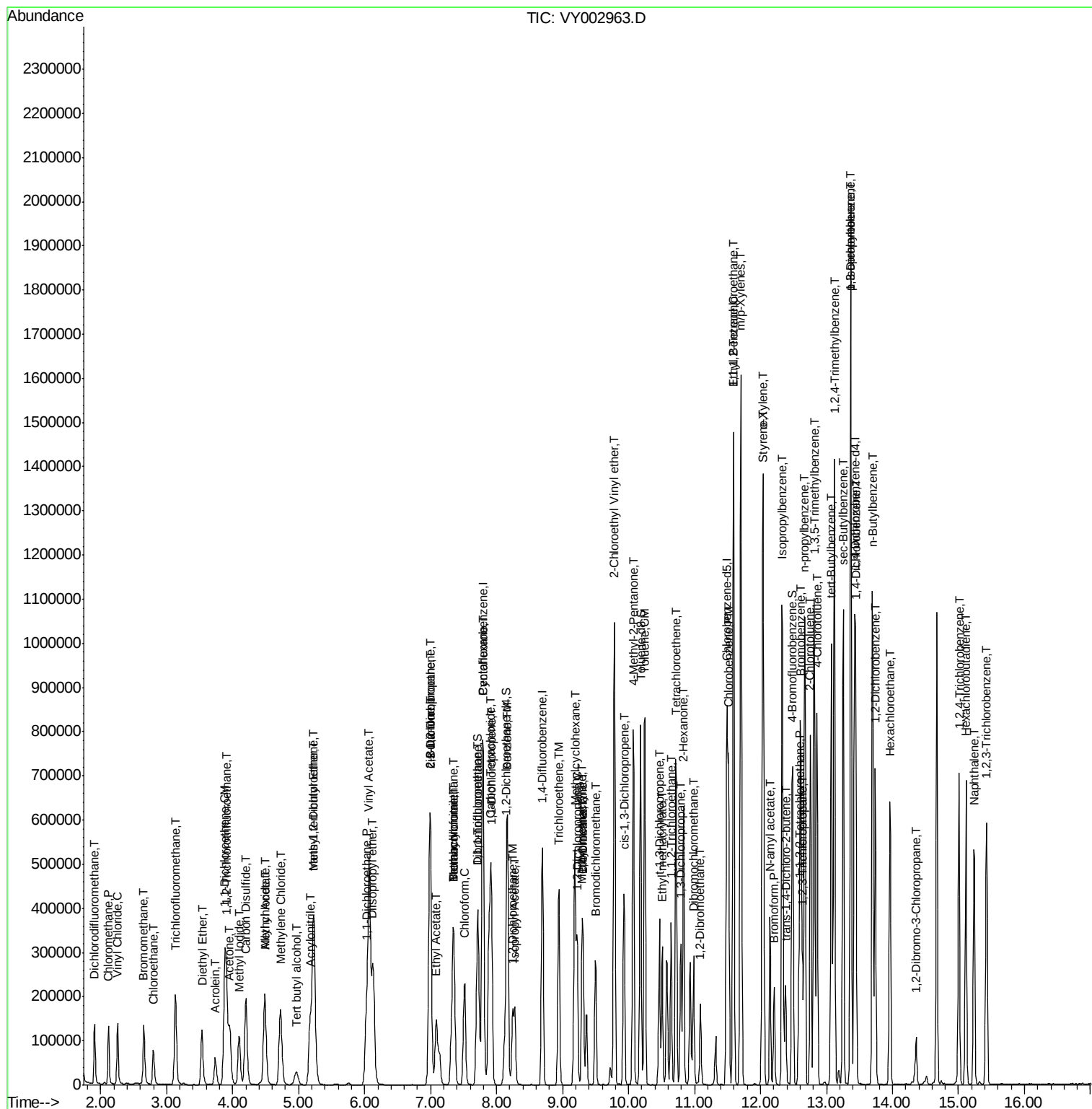
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	238313	46.886	ug/l	99
94) Hexachlorobutadiene	15.11	225	135622	46.293	ug/l	99
95) Naphthalene	15.23	128	468573	46.254	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	209277	46.149	ug/l	99

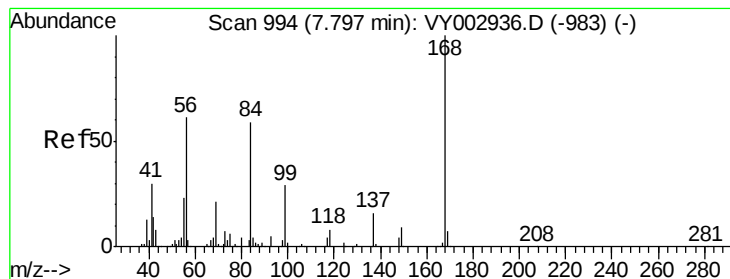
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

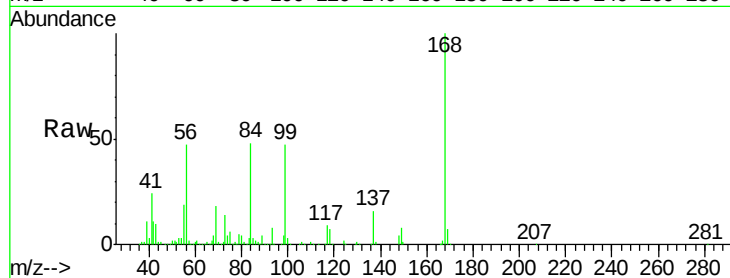
VSTDCCC050

Tgt Ion:168 Resp: 338894

Ion Ratio Lower Upper

168 100

99 46.7 39.5 59.3



Abundance Ion 167.90 (167.60 to 168.60): VY002936.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002936.D (-983) (-)

7.80

150000

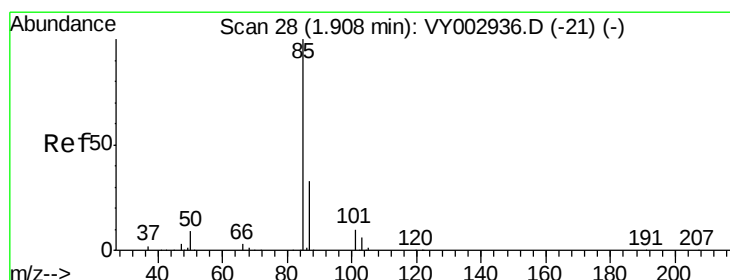
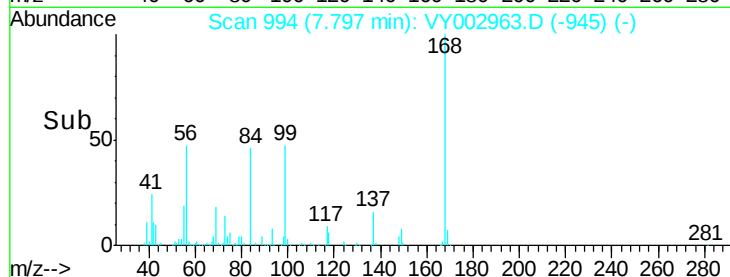
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.708 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002963.D

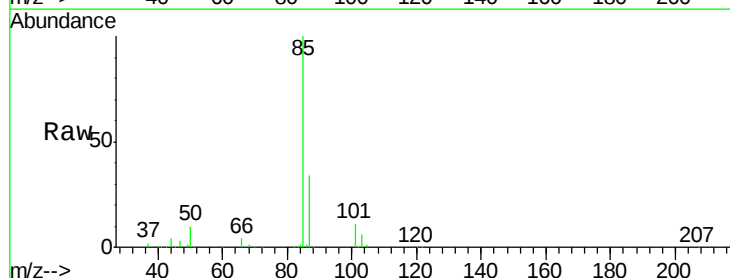
Acq: 22 Jun 2020 10:35

Tgt Ion: 85 Resp: 109556

Ion Ratio Lower Upper

85 100

87 33.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VY002936.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002936.D (-21) (-)

1.91

80000

60000

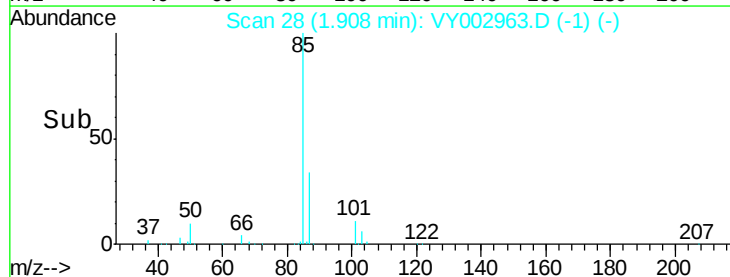
40000

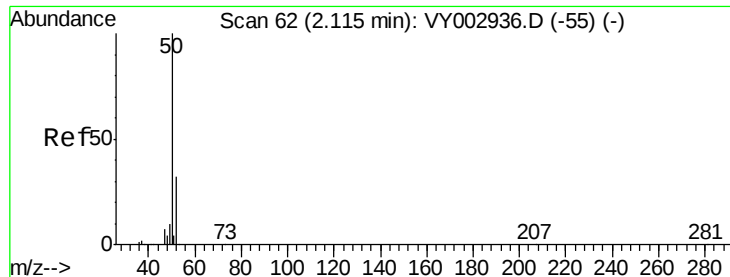
20000

0

1.80 1.90 2.00

Time-->

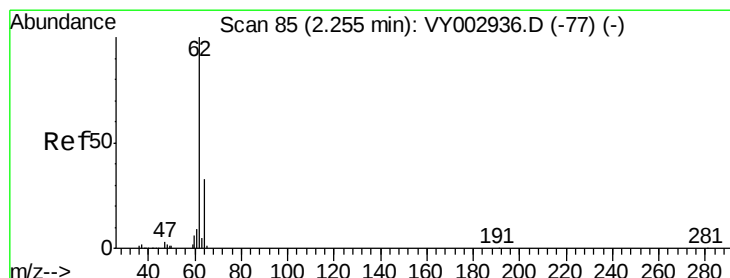
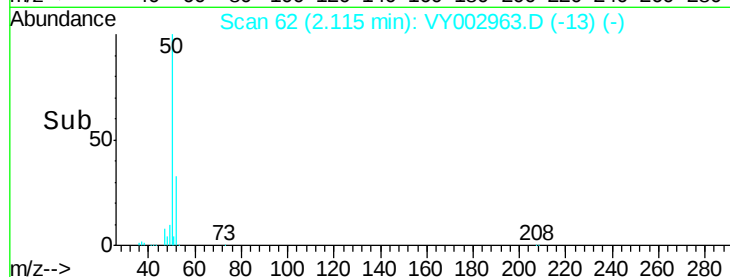
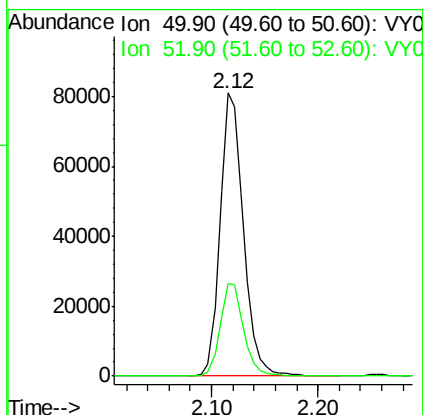
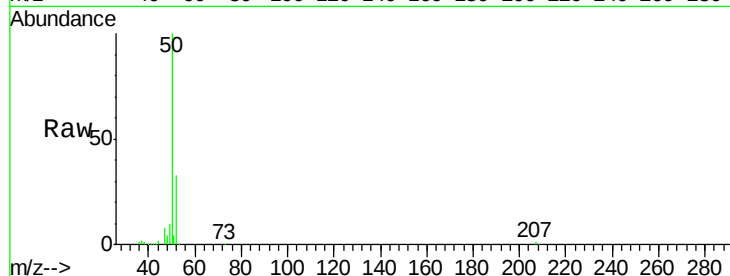




#3
Chloromethane
Concen: 50.359 ug/l
RT: 2.12 min Scan# 62
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

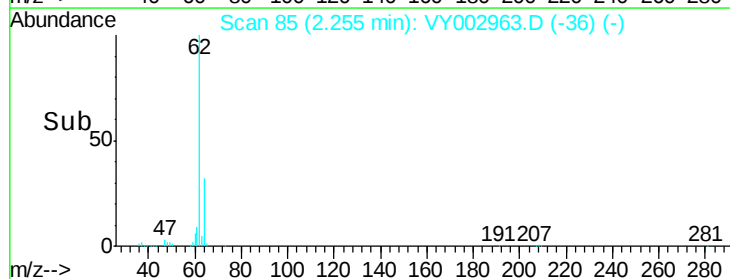
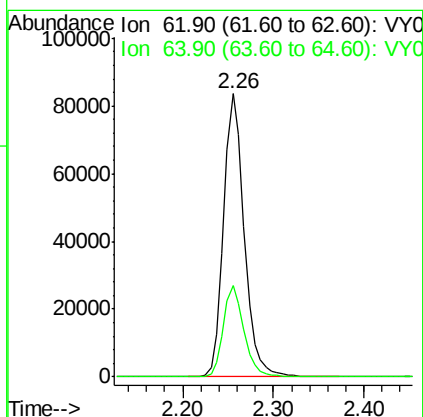
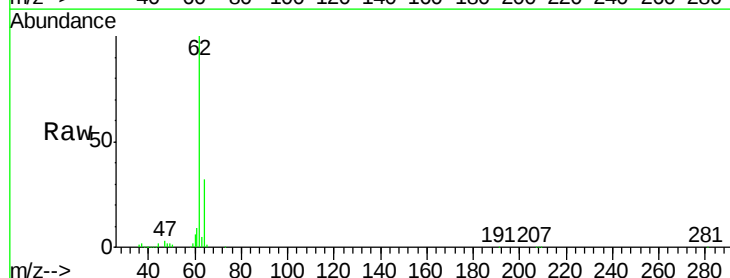
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

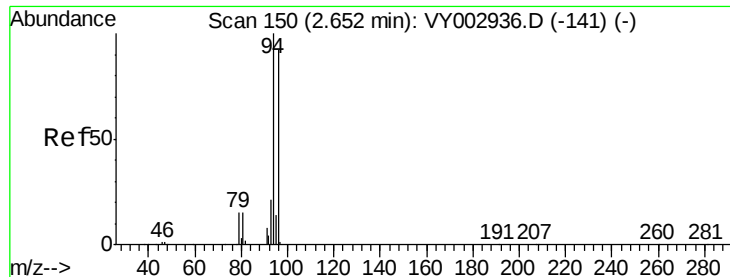
Tgt Ion: 50 Resp: 123535
Ion Ratio Lower Upper
50 100
52 32.9 25.8 38.6



#4
Vinyl Chloride
Concen: 50.421 ug/l
RT: 2.26 min Scan# 85
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion: 62 Resp: 132802
Ion Ratio Lower Upper
62 100
64 32.3 26.3 39.5





#5

Bromomethane

Concen: 47.969 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

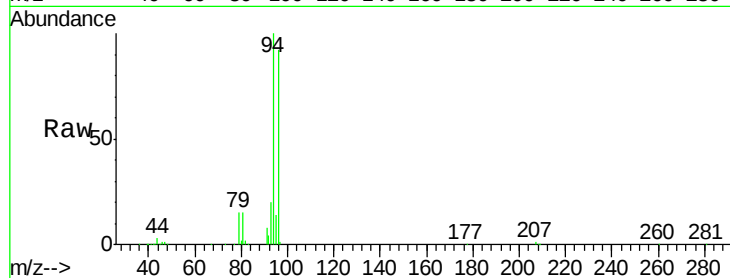
VSTDCCC050

Tgt Ion: 94 Resp: 93229

Ion Ratio Lower Upper

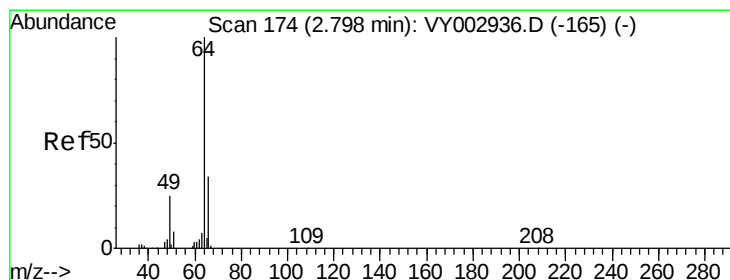
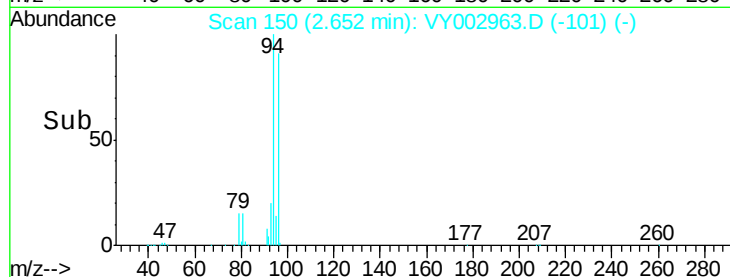
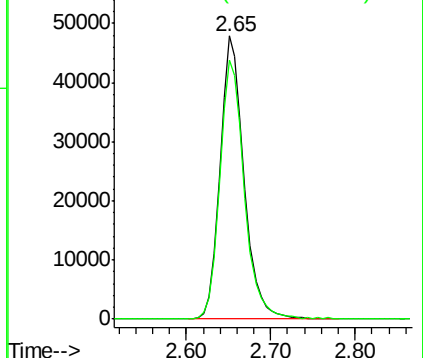
94 100

96 91.3 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 46.563 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY002963.D

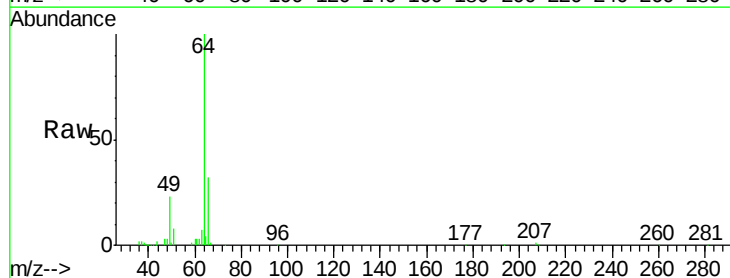
Acq: 22 Jun 2020 10:35

Tgt Ion: 64 Resp: 79322

Ion Ratio Lower Upper

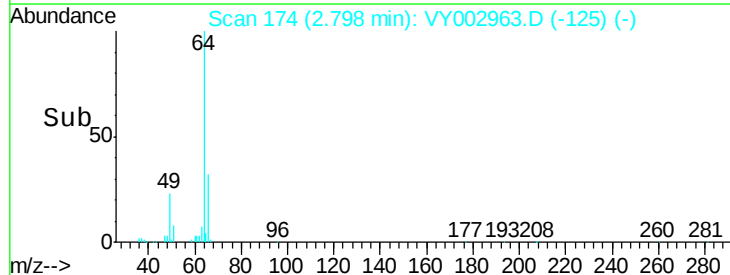
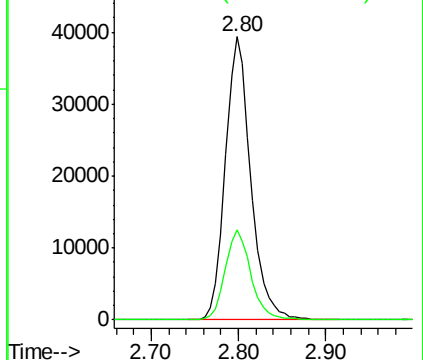
64 100

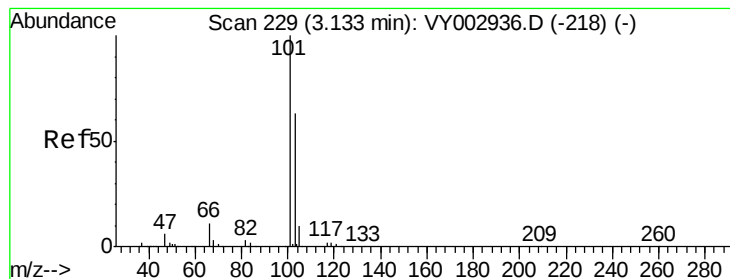
66 32.0 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



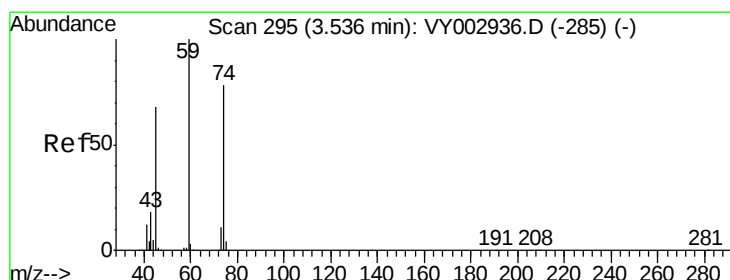
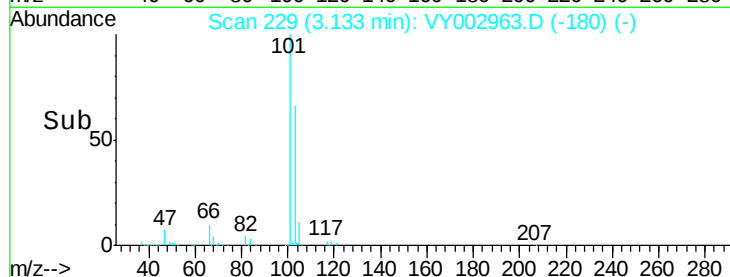
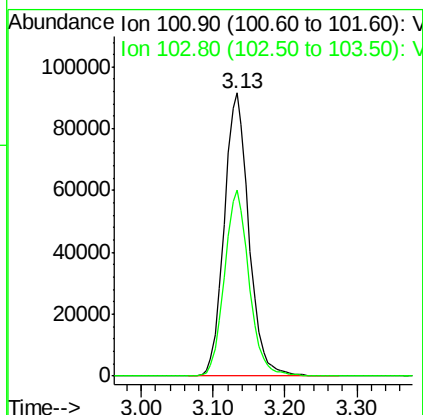
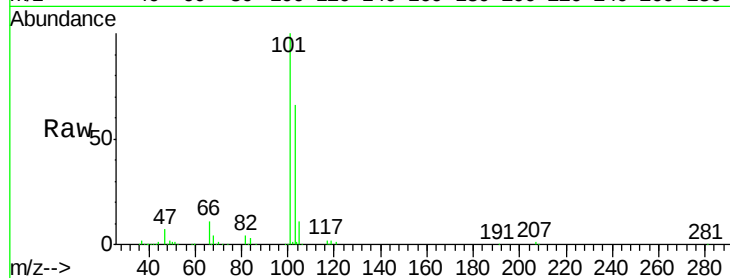


#7

Trichlorofluoromethane
Concen: 46.122 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

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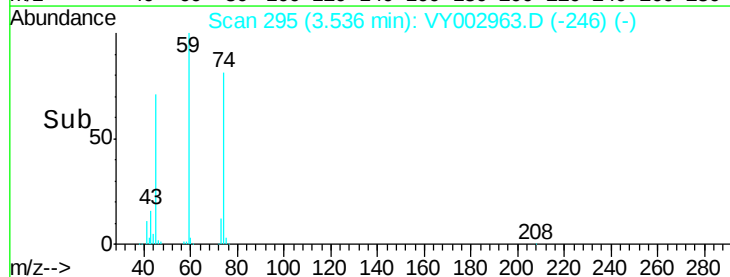
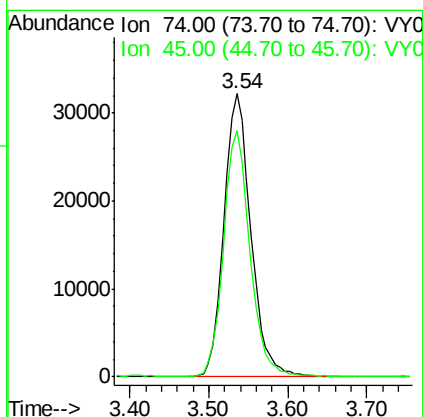
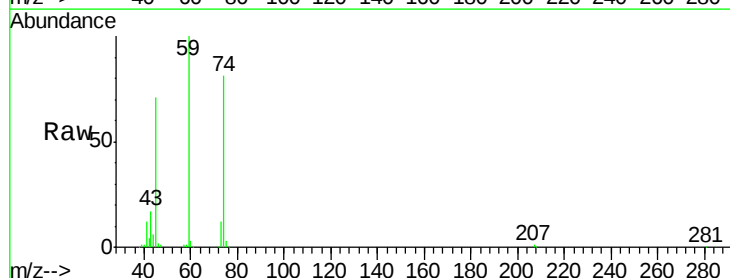
Tgt Ion: 101 Resp: 218143
Ion Ratio Lower Upper
101 100
103 65.8 50.6 76.0

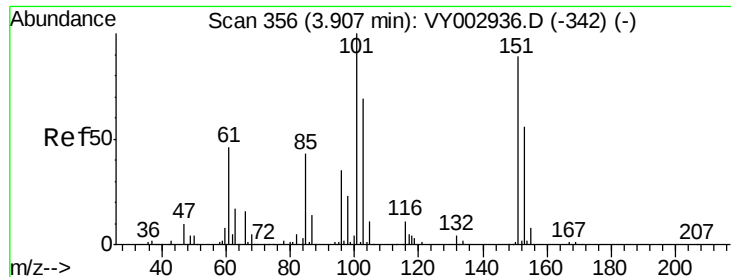


#8

Diethyl Ether
Concen: 44.939 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion: 74 Resp: 76689
Ion Ratio Lower Upper
74 100
45 85.5 43.7 131.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.039 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

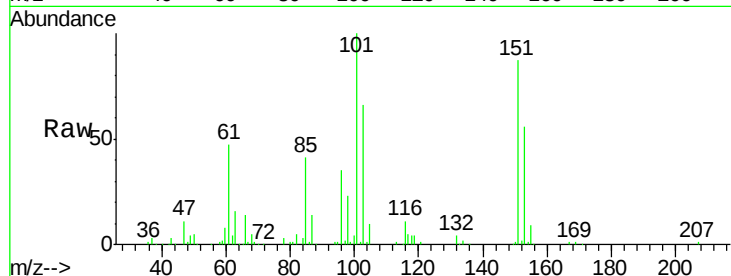
Tgt Ion:101 Resp: 128293

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

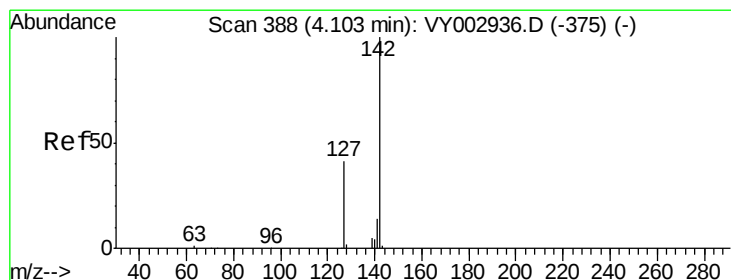
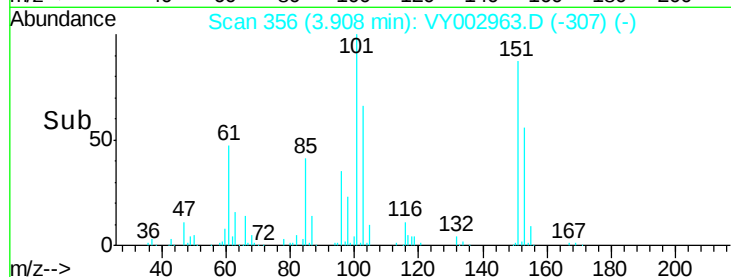
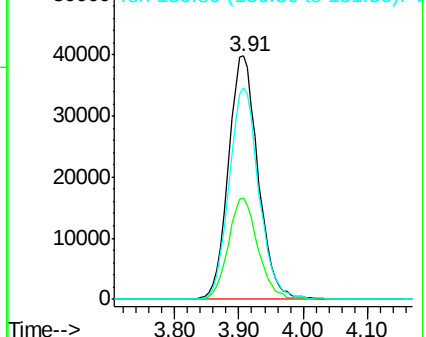
151 86.9 70.4 105.6



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: 46.646 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

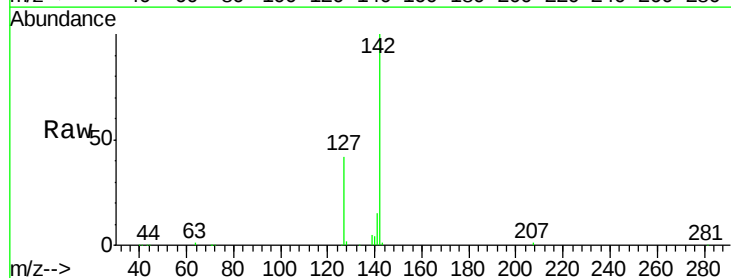
Tgt Ion:142 Resp: 183954

Ion Ratio Lower Upper

142 100

127 41.9 32.9 49.3

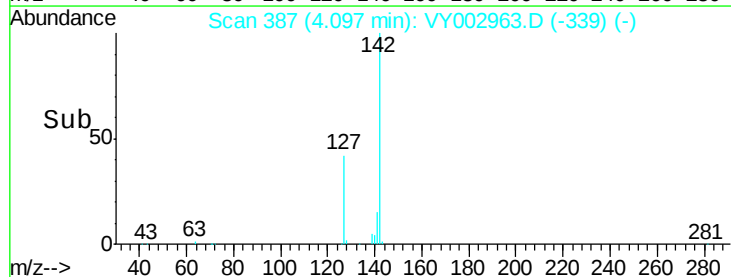
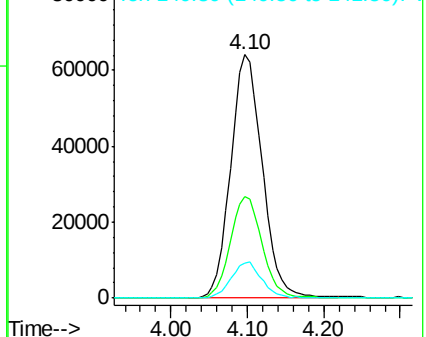
141 14.4 11.3 16.9

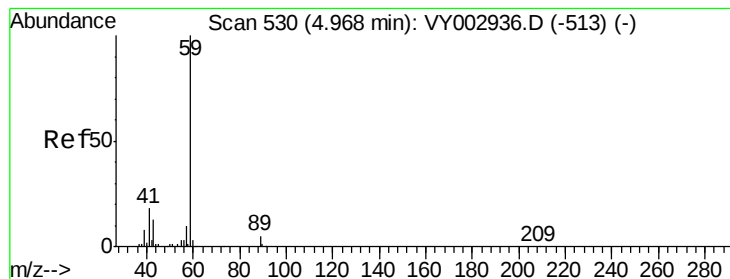


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



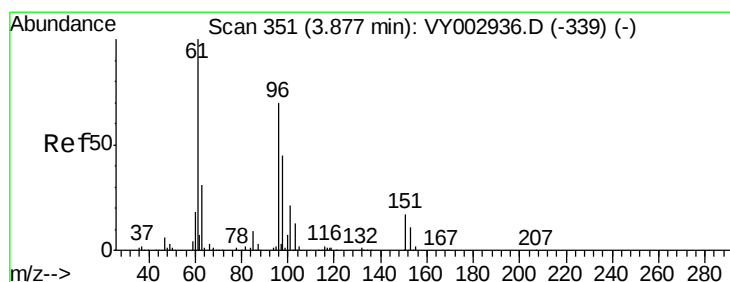
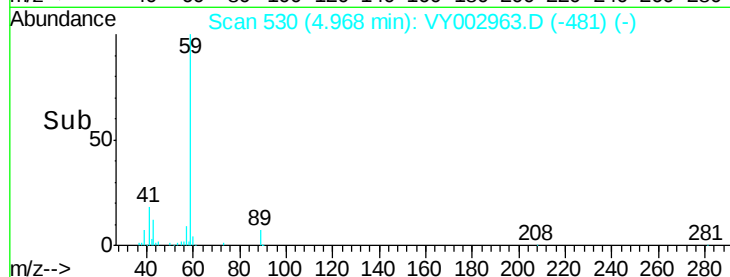
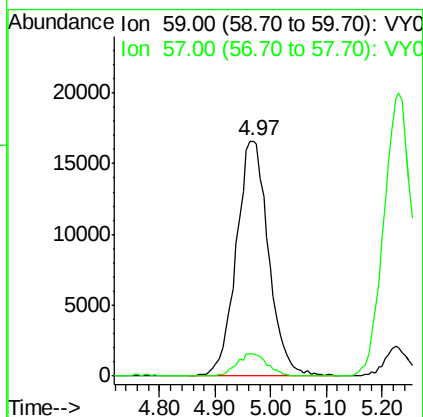
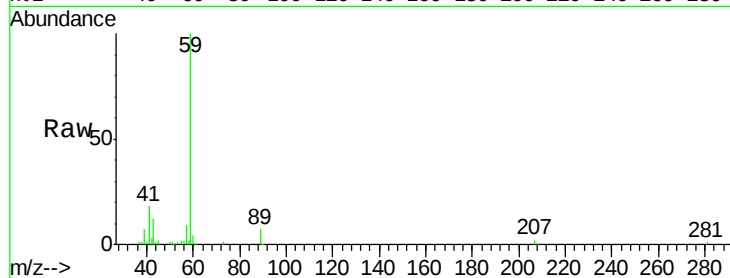


#11

Tert butyl alcohol
 Concen: 218.866 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

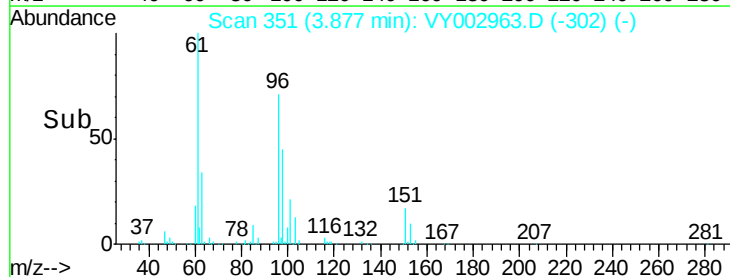
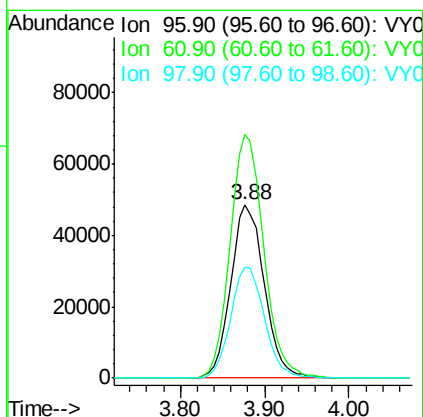
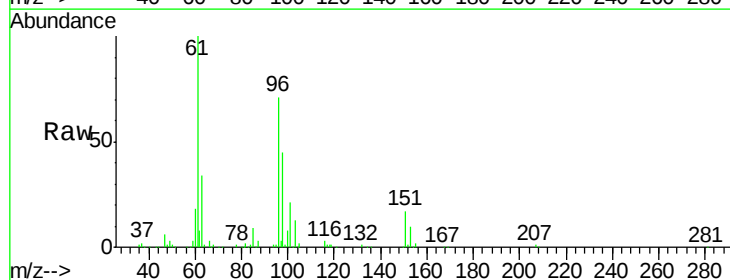
Tgt Ion: 59 Resp: 66889
 Ion Ratio Lower Upper
 59 100
 57 8.9 7.4 11.2

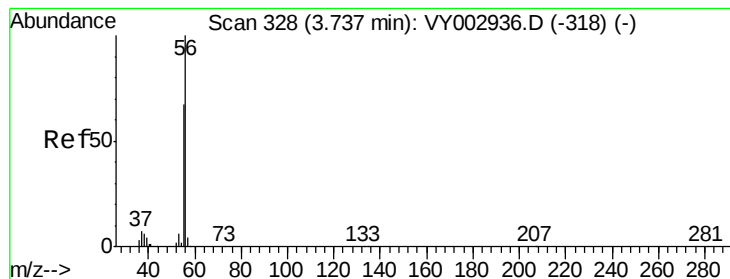


#12

1,1-Dichloroethene
 Concen: 46.485 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

Tgt Ion: 96 Resp: 131303
 Ion Ratio Lower Upper
 96 100
 61 140.1 114.6 172.0
 98 63.4 51.4 77.0





#13

Acrolein

Concen: 263.156 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

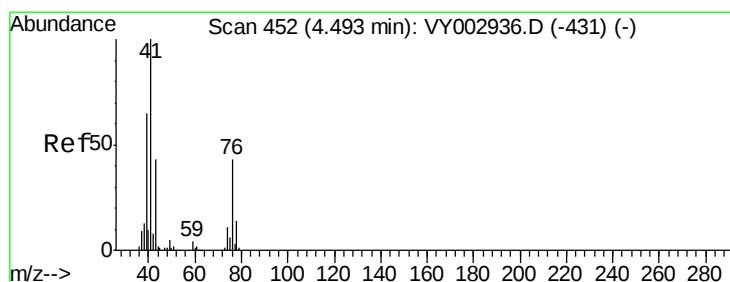
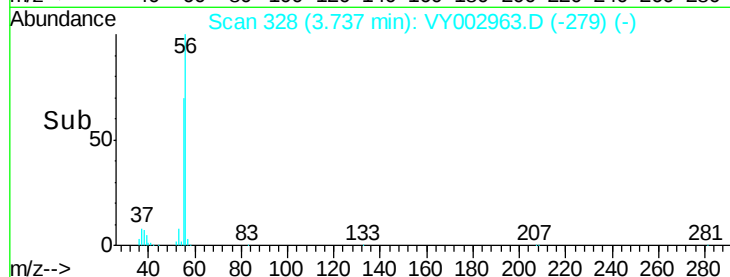
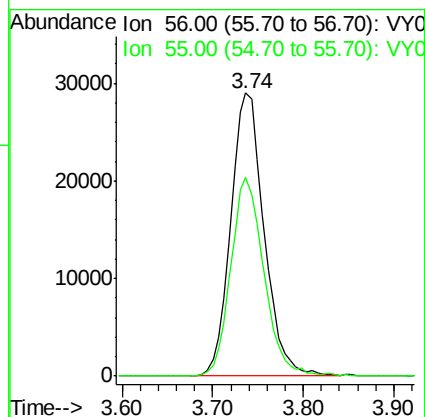
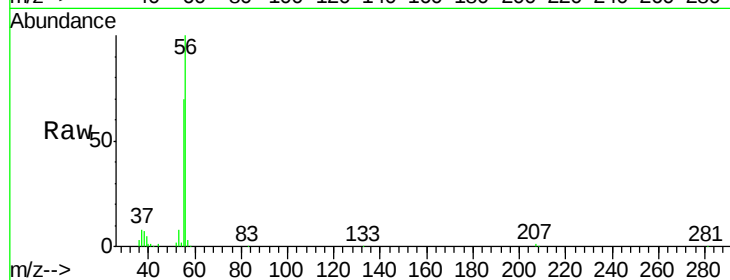
VSTDCCC050

Tgt Ion: 56 Resp: 74002

Ion Ratio Lower Upper

56 100

55 69.5 55.3 82.9



#14

Allyl chloride

Concen: 44.623 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

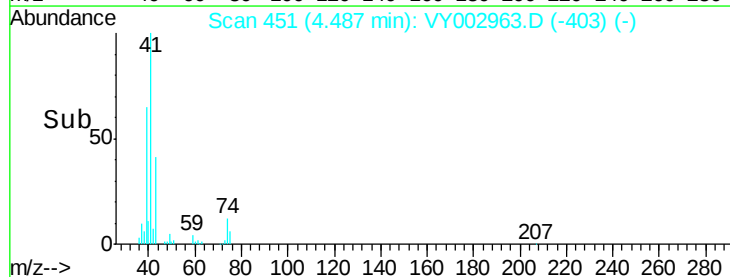
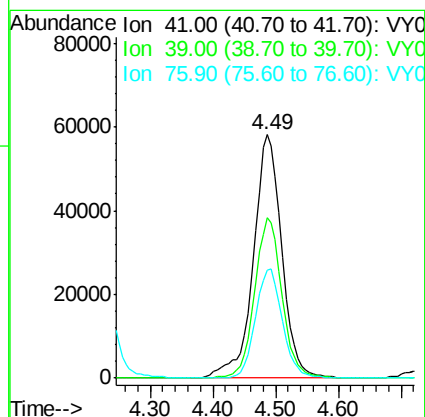
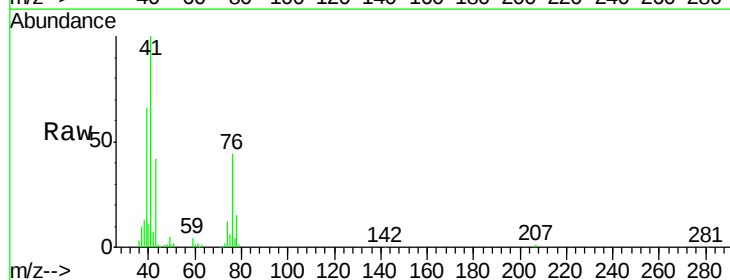
Tgt Ion: 41 Resp: 181799

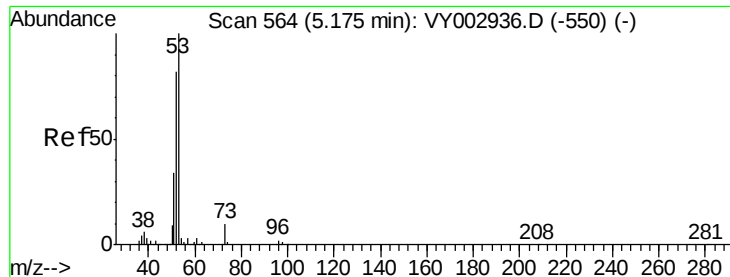
Ion Ratio Lower Upper

41 100

39 63.7 50.0 75.0

76 42.5 33.3 49.9





#15

Acrylonitrile

Concen: 221.299 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

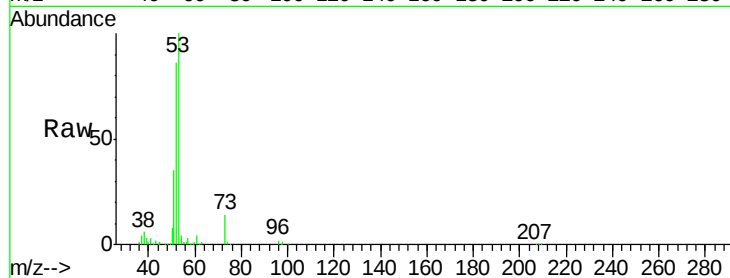
Tgt Ion: 53 Resp: 181123

Ion Ratio Lower Upper

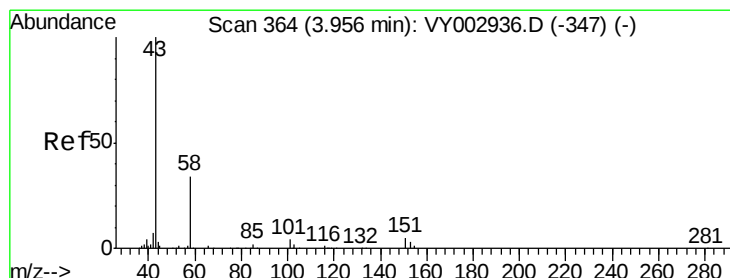
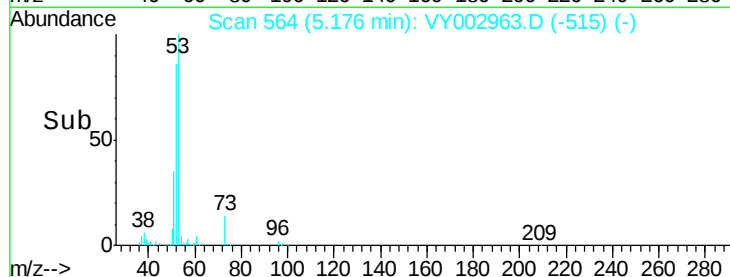
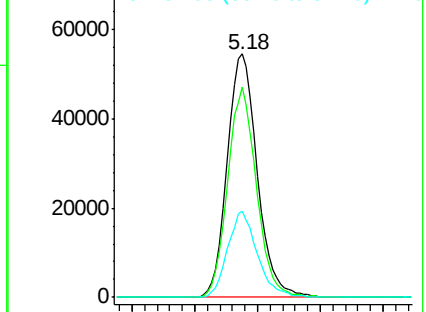
53 100

52 82.8 65.7 98.5

51 35.1 28.1 42.1



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



#16

Acetone

Concen: 277.996 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002963.D

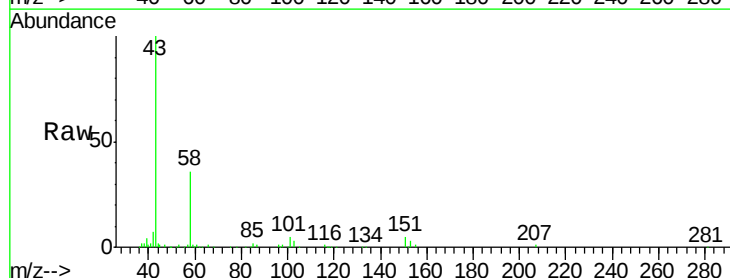
Acq: 22 Jun 2020 10:35

Tgt Ion: 43 Resp: 192735

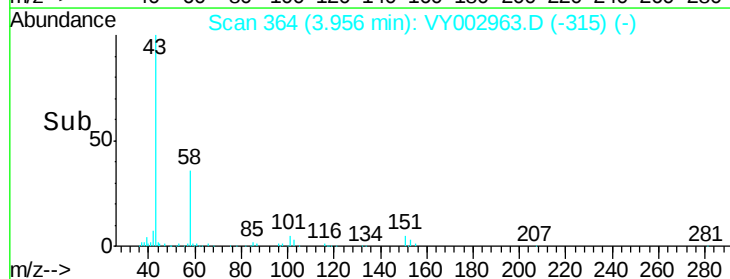
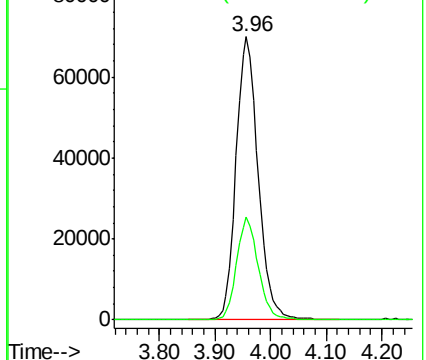
Ion Ratio Lower Upper

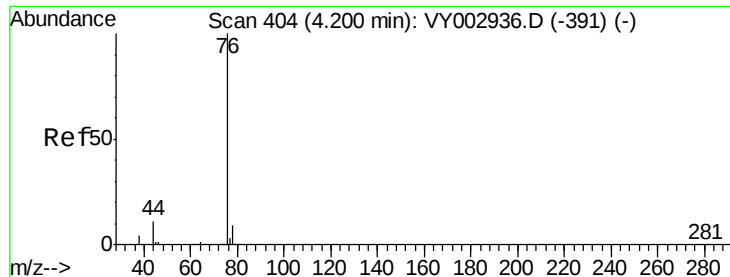
43 100

58 36.2 27.3 40.9



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

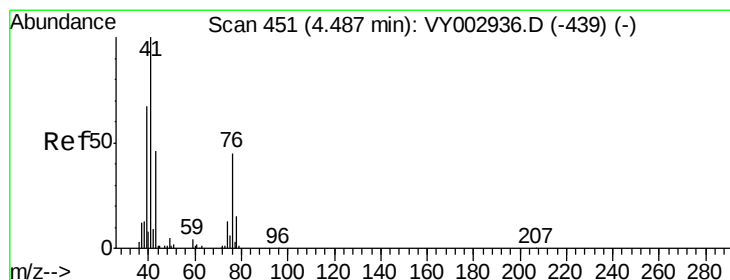
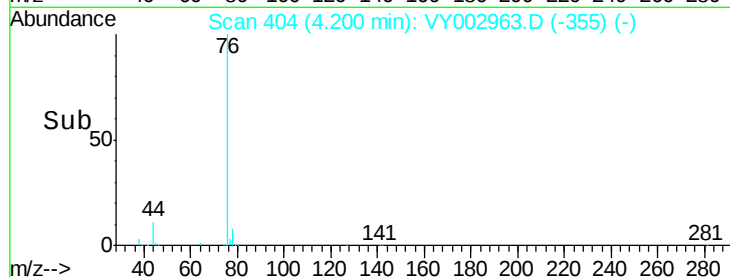
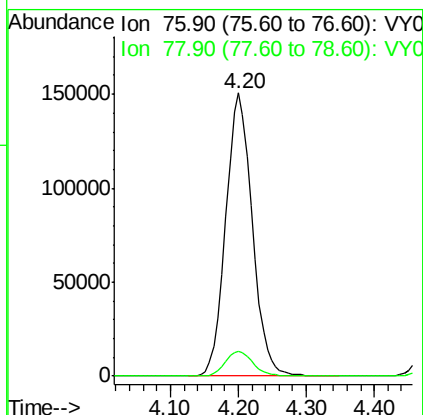
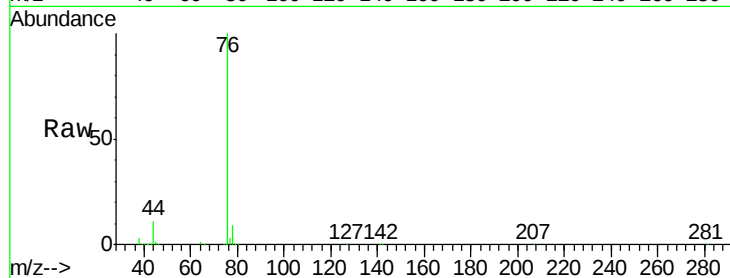




#17
Carbon Disulfide
Concen: 48.799 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

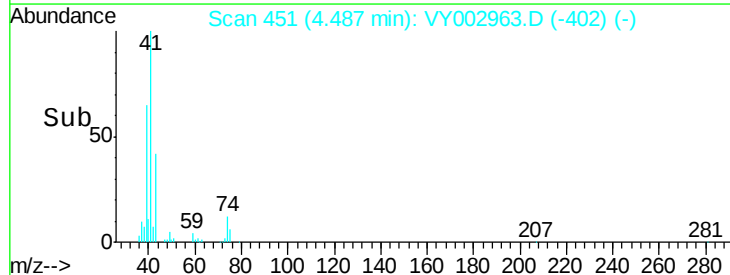
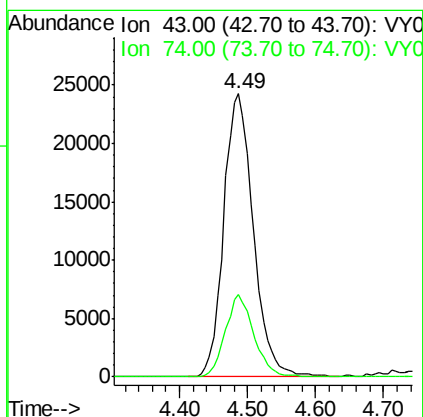
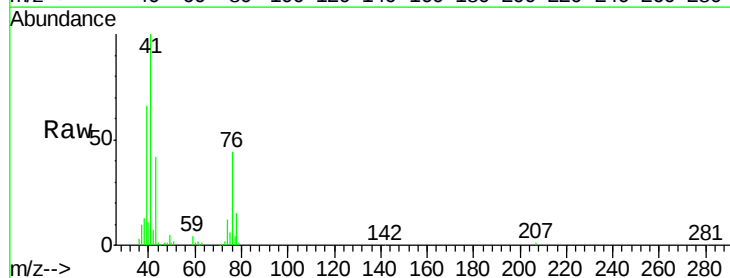
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

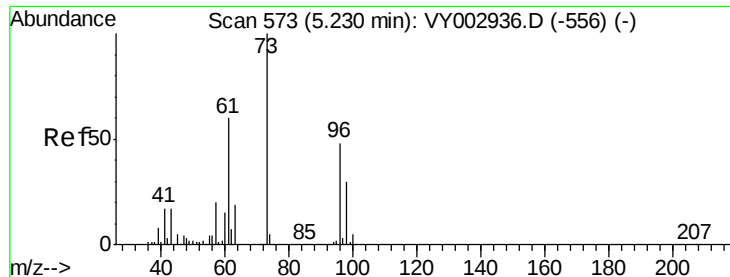
Tgt Ion: 76 Resp: 407514
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 41.016 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion: 43 Resp: 73140
Ion Ratio Lower Upper
43 100
74 27.7 21.1 31.7

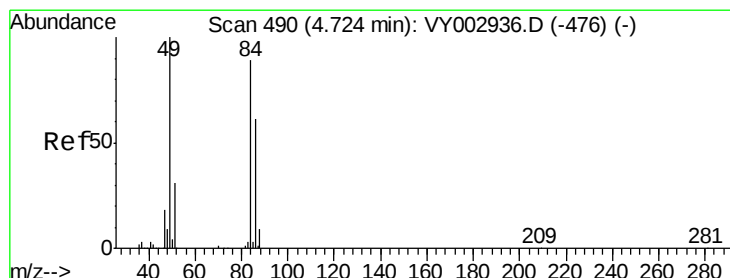
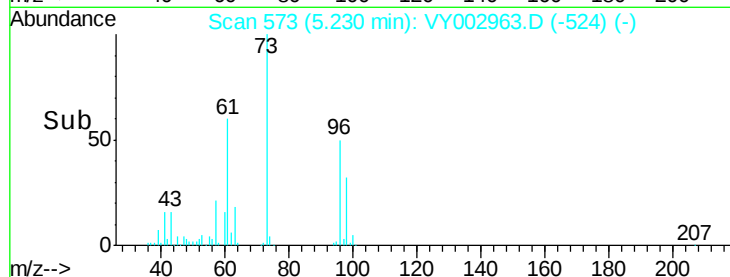
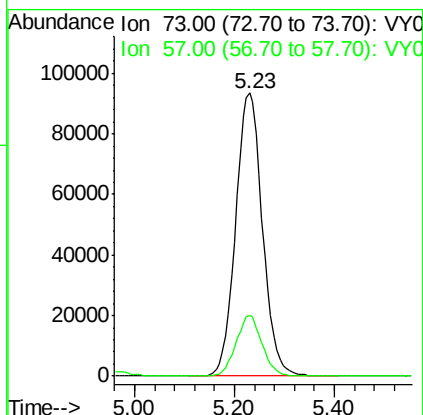
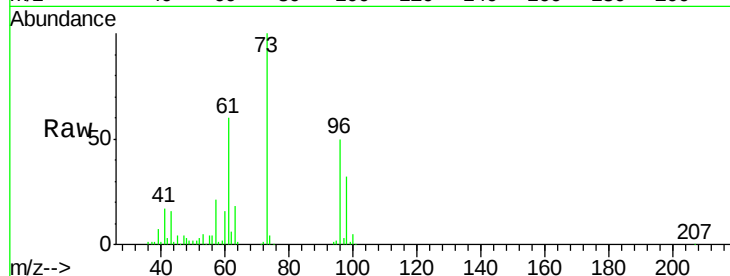




#19
Methyl tert-butyl Ether
Concen: 45.249 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

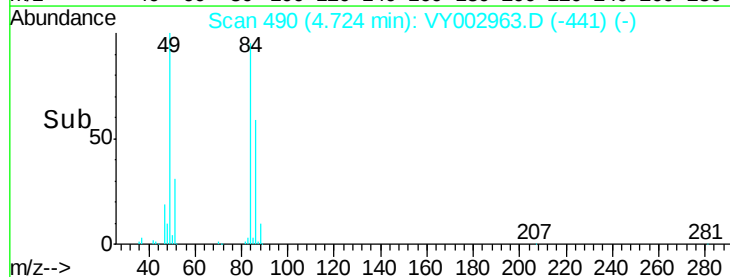
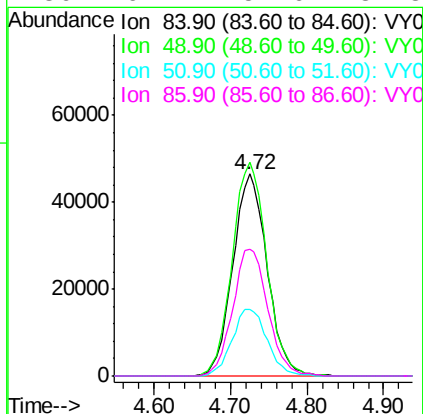
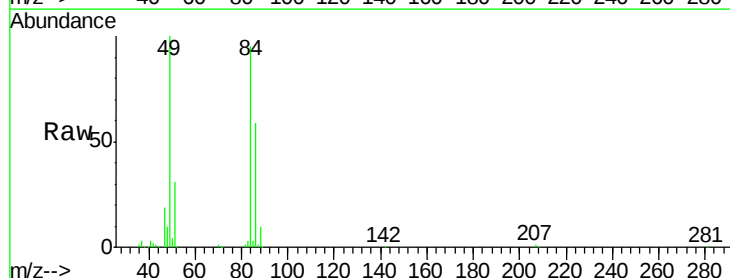
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

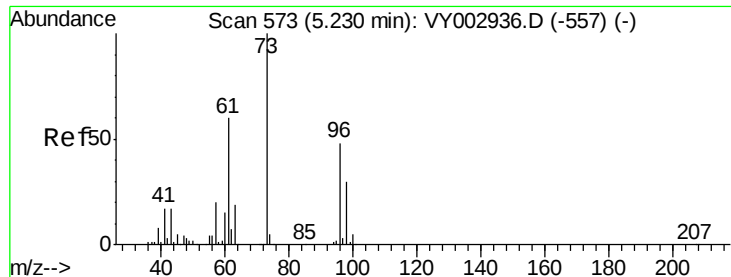
Tgt Ion: 73 Resp: 348116
Ion Ratio Lower Upper
73 100
57 21.4 16.4 24.6



#20
Methylene Chloride
Concen: 41.868 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion: 84 Resp: 144404
Ion Ratio Lower Upper
84 100
49 105.7 90.0 135.0
51 33.1 27.9 41.9
86 62.7 54.6 81.8





#21

trans-1,2-Dichloroethene

Concen: 46.249 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

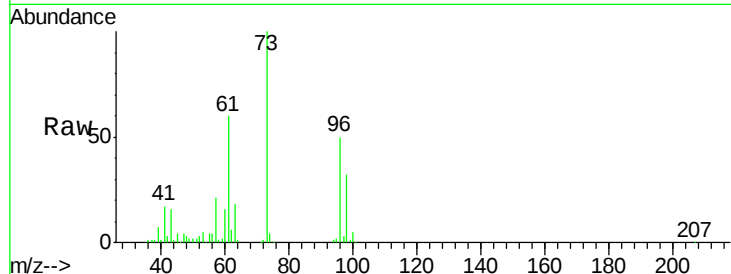
Tgt Ion: 96 Resp: 145043

Ion Ratio Lower Upper

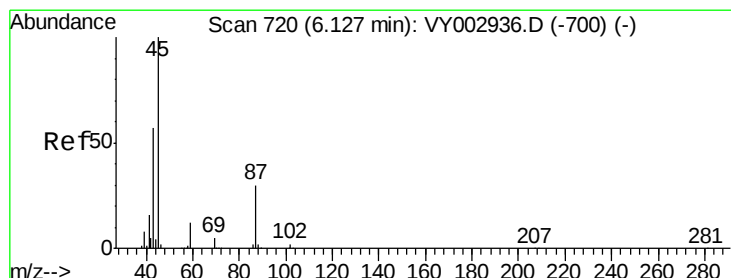
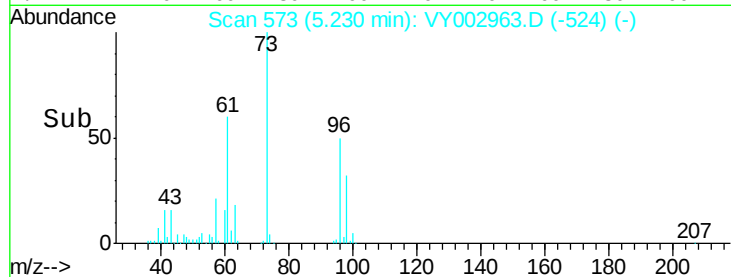
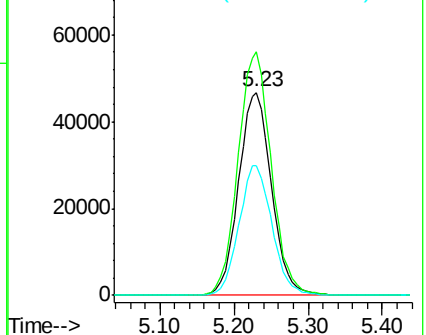
96 100

61 119.8 100.6 150.8

98 63.9 49.8 74.8



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



#22

Diisopropyl ether

Concen: 43.569 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Tgt Ion: 45 Resp: 362394

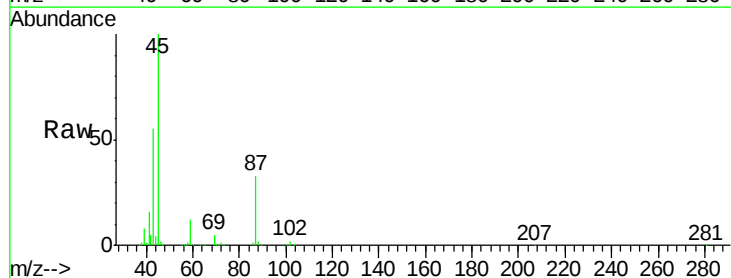
Ion Ratio Lower Upper

45 100

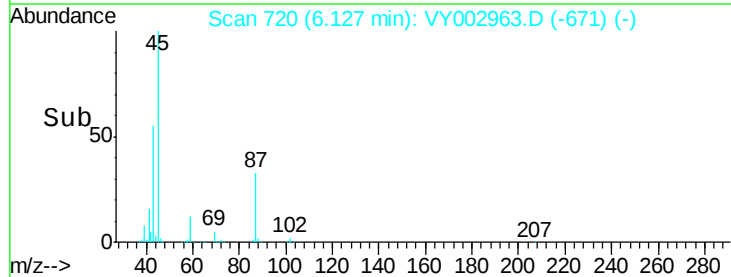
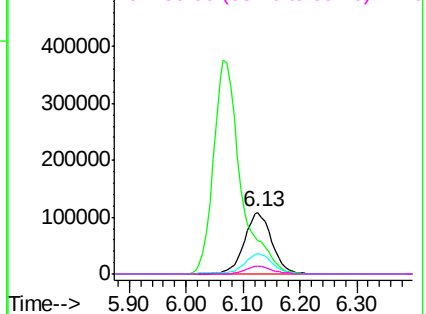
43 54.5 46.2 69.2

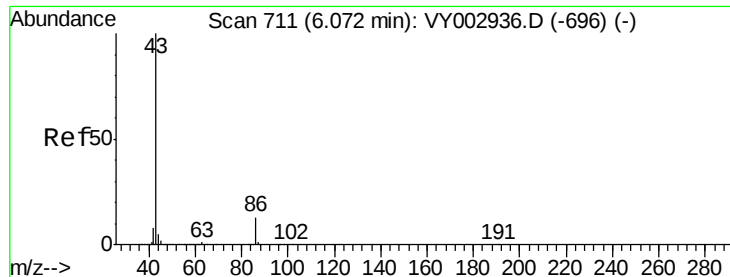
87 32.6 24.9 37.3

59 11.6 9.9 14.9



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: 231.876 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

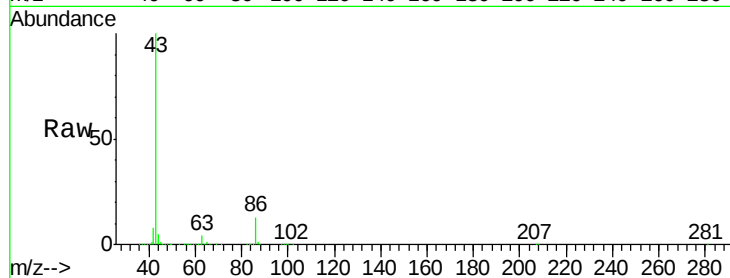
VSTDCCC050

Tgt Ion: 43 Resp: 1247578

Ion Ratio Lower Upper

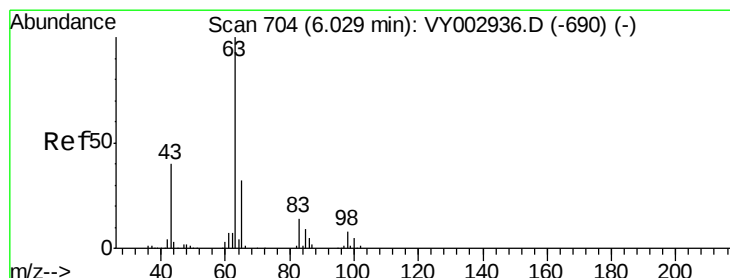
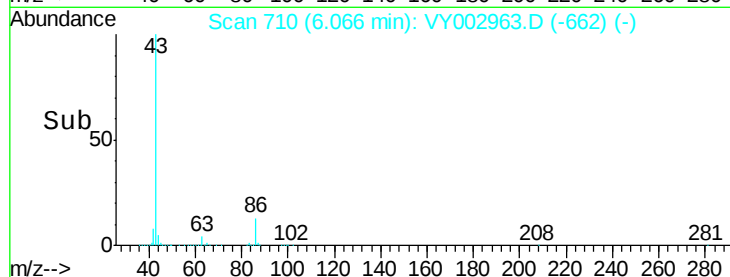
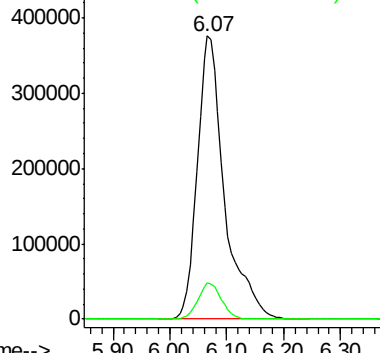
43 100

86 13.0 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 44.988 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

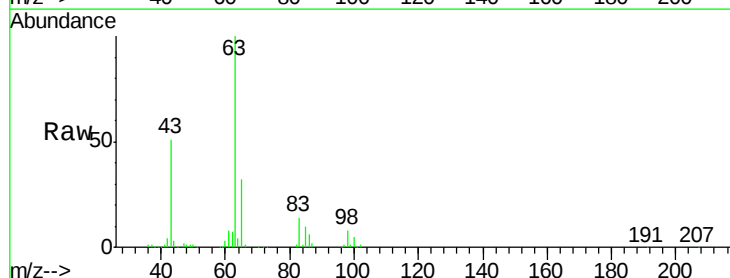
Tgt Ion: 63 Resp: 221681

Ion Ratio Lower Upper

63 100

98 8.1 4.0 12.0

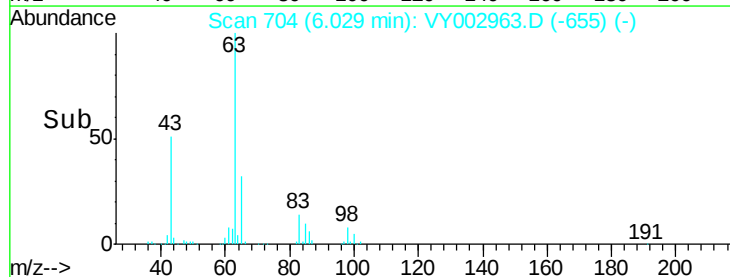
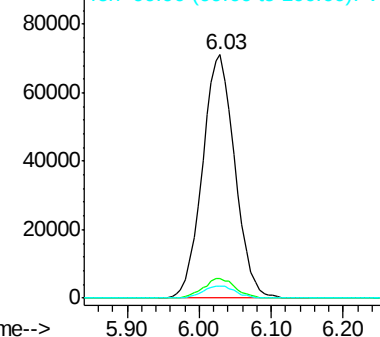
100 4.7 2.5 7.6

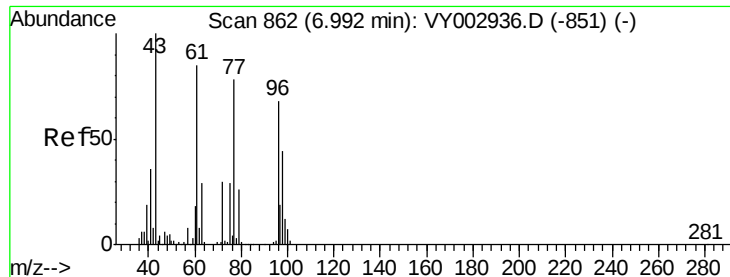


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 231.019 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

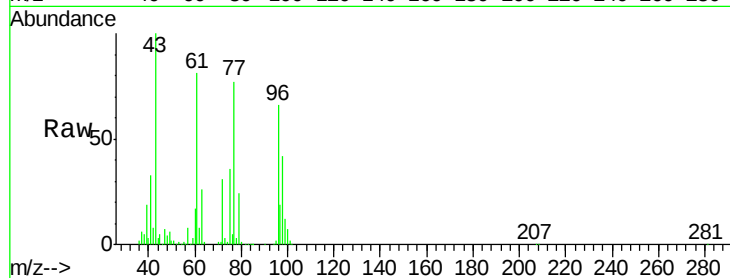
VSTDCCC050

Tgt Ion: 43 Resp: 240005

Ion Ratio Lower Upper

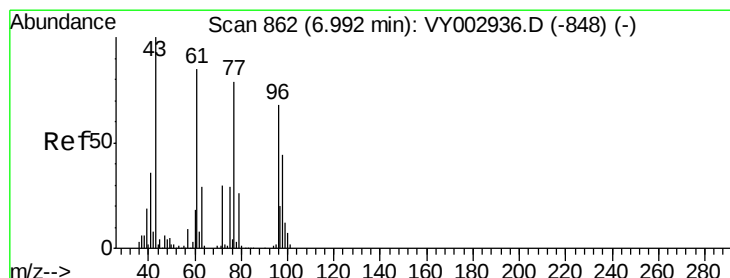
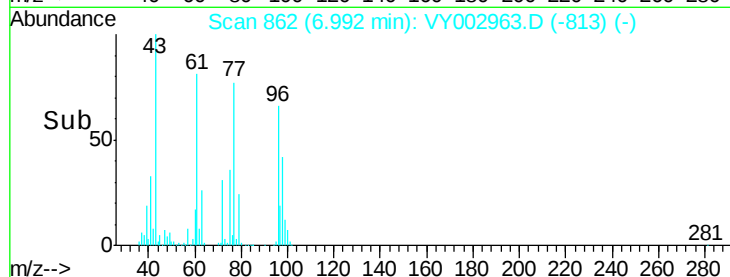
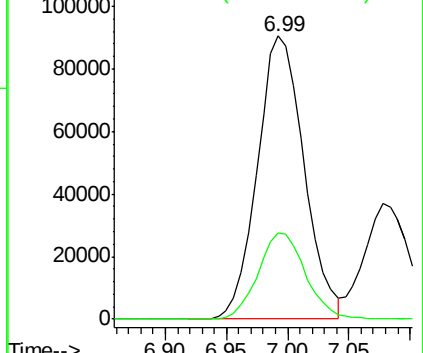
43 100

72 30.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 46.130 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002963.D

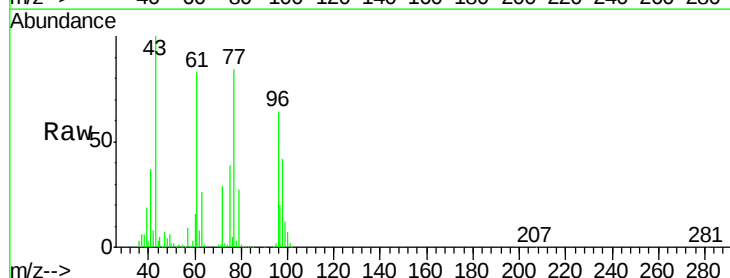
Acq: 22 Jun 2020 10:35

Tgt Ion: 77 Resp: 212302

Ion Ratio Lower Upper

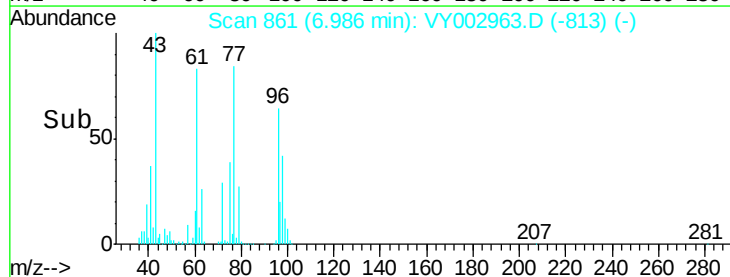
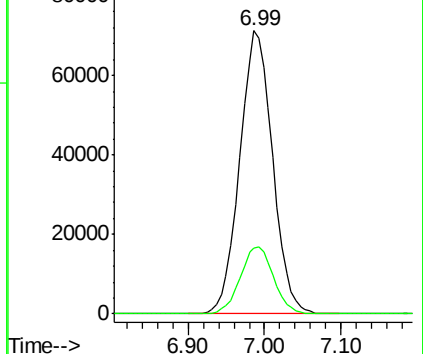
77 100

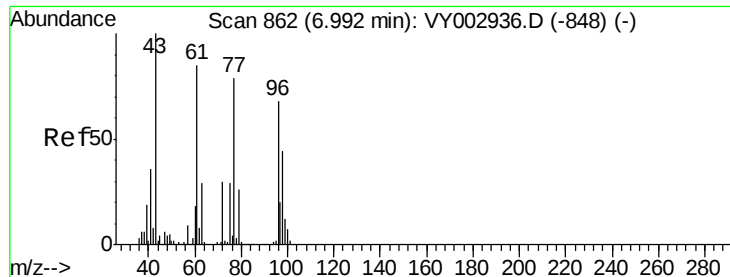
97 24.0 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



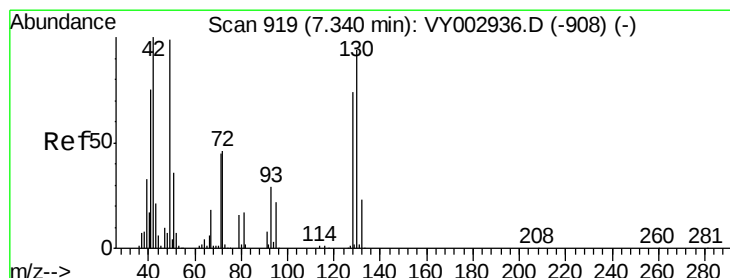
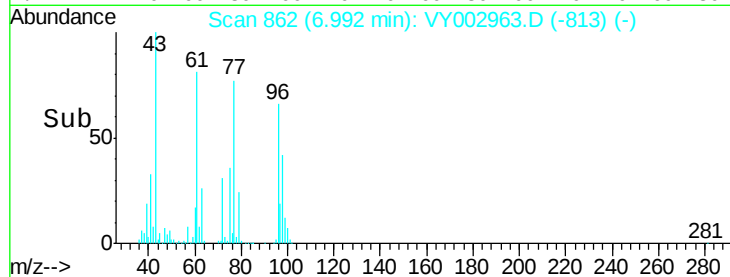
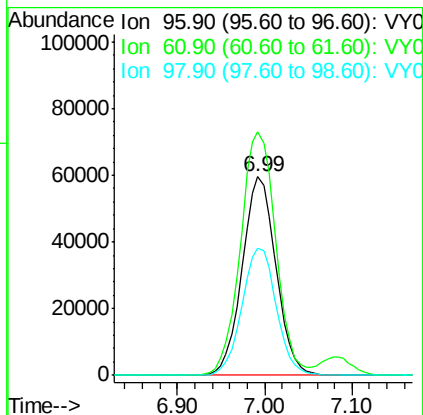
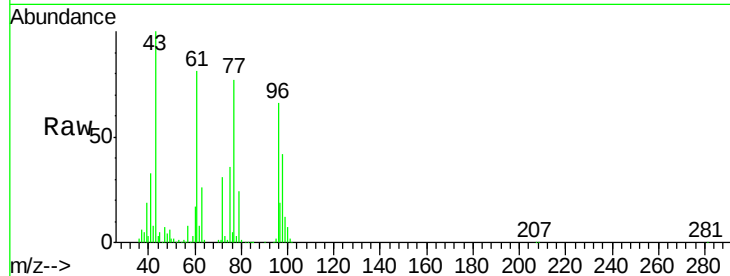


#27

cis-1,2-Dichloroethene
Concen: 45.533 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

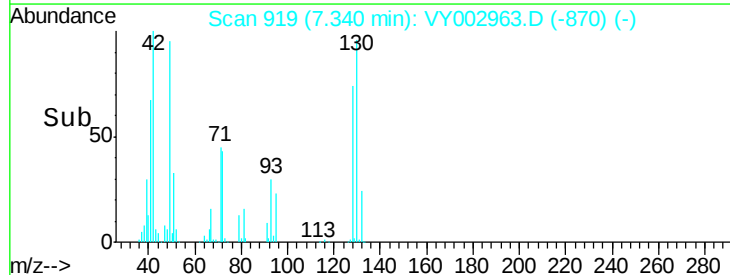
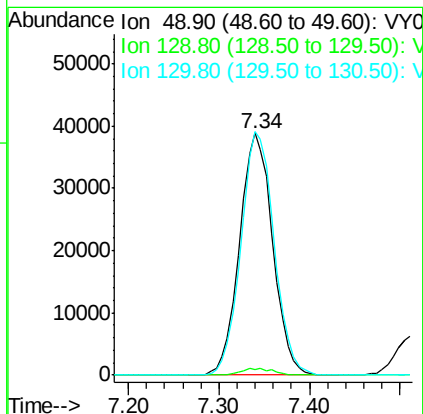
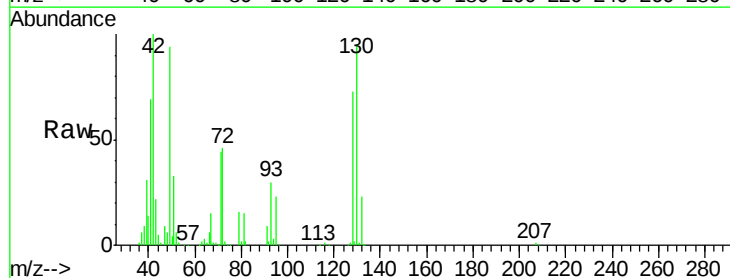
Tgt Ion: 96 Resp: 159600
Ion Ratio Lower Upper
96 100
61 127.9 0.0 257.0
98 65.3 0.0 129.8

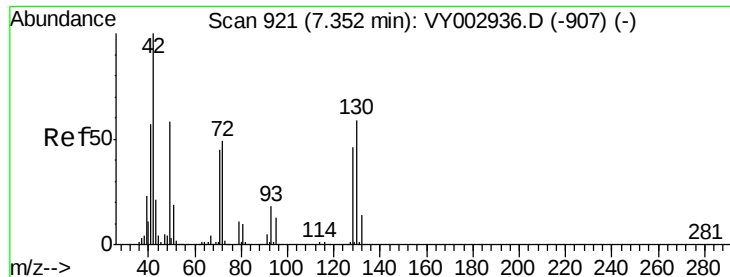


#28

Bromochloromethane
Concen: 47.567 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion: 49 Resp: 98000
Ion Ratio Lower Upper
49 100
129 2.7 0.0 5.0
130 100.9 78.4 117.6





#29

Tetrahydrofuran

Concen: 216.253 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

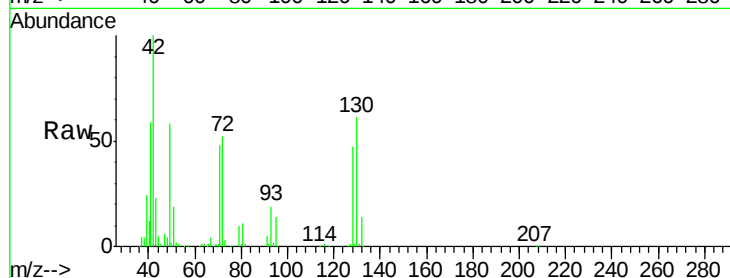
Tgt Ion: 42 Resp: 145122

Ion Ratio Lower Upper

42 100

72 50.7 39.1 58.7

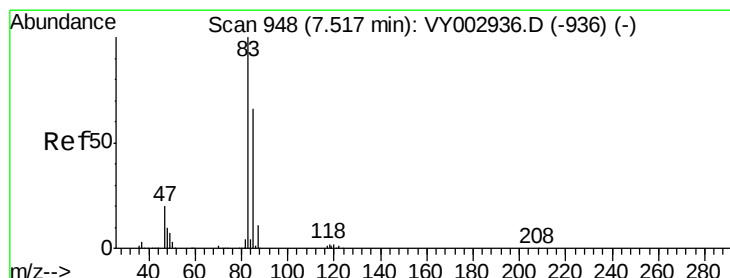
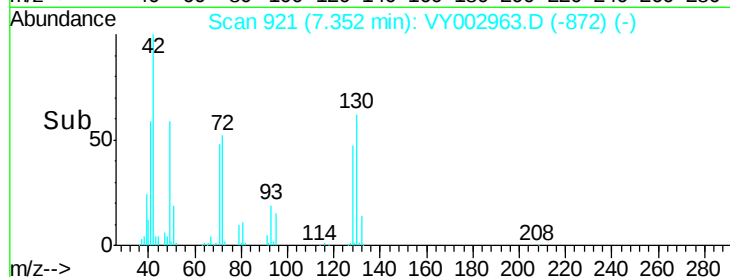
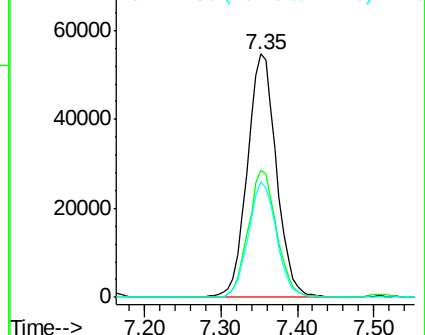
71 46.0 36.4 54.6



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: 45.842 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY002963.D

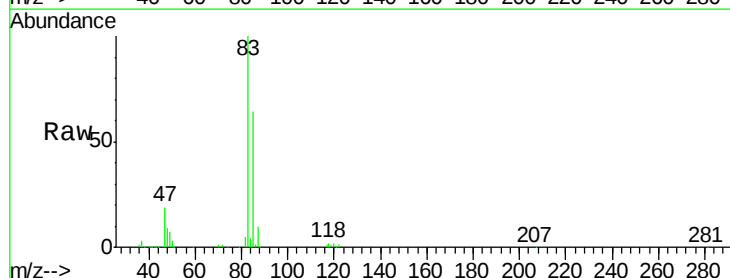
Acq: 22 Jun 2020 10:35

Tgt Ion: 83 Resp: 236588

Ion Ratio Lower Upper

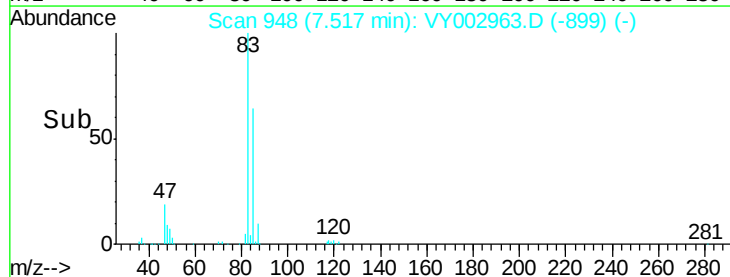
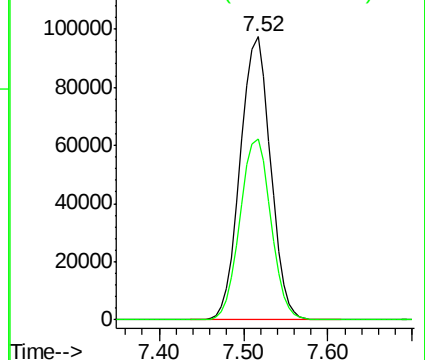
83 100

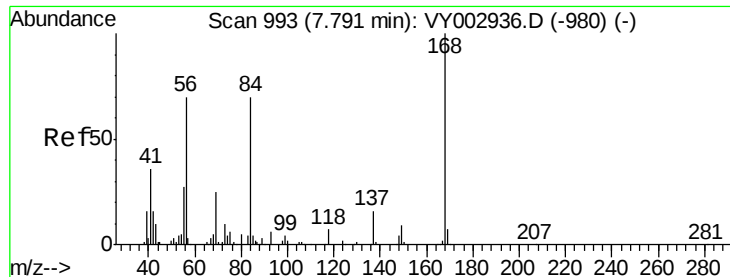
85 64.1 53.1 79.7



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 43.287 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

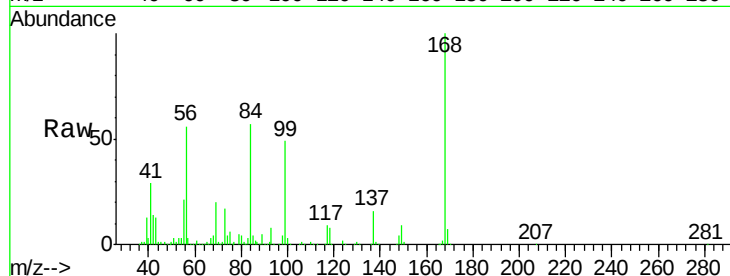
Tgt Ion: 56 Resp: 208062

Ion Ratio Lower Upper

56 100

69 35.8 28.9 43.3

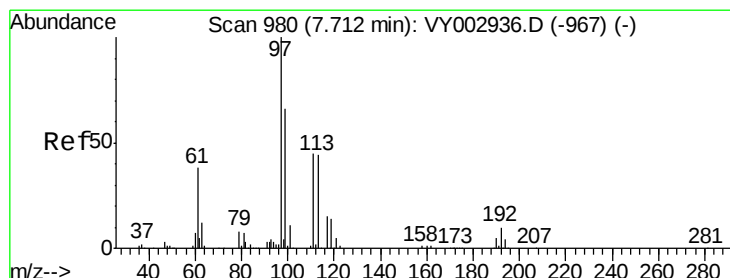
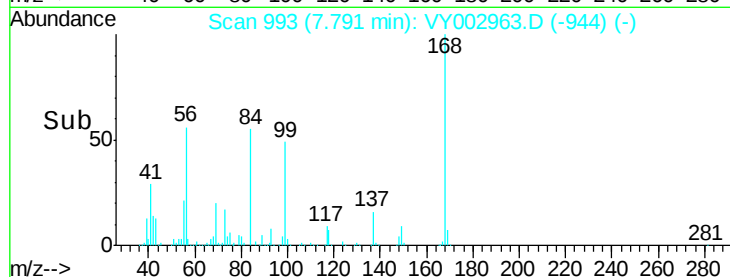
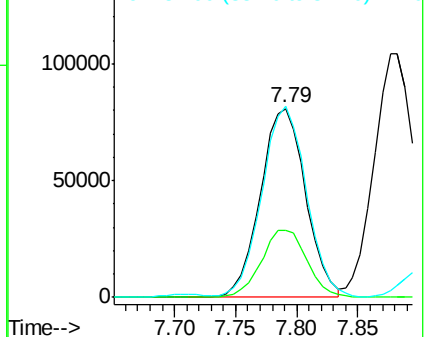
84 99.7 80.1 120.1



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 46.219 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

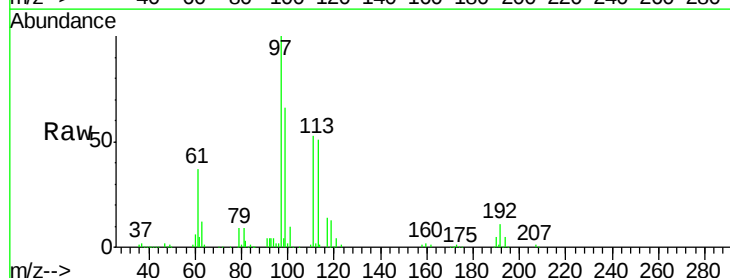
Tgt Ion: 97 Resp: 219796

Ion Ratio Lower Upper

97 100

99 65.5 52.2 78.2

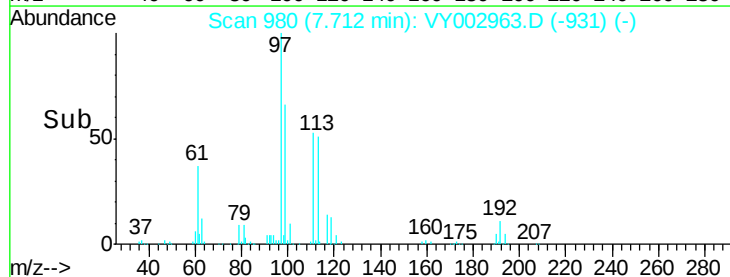
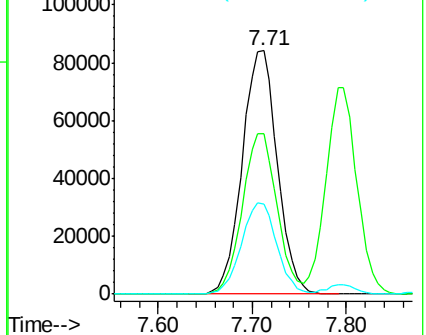
61 37.8 30.3 45.5

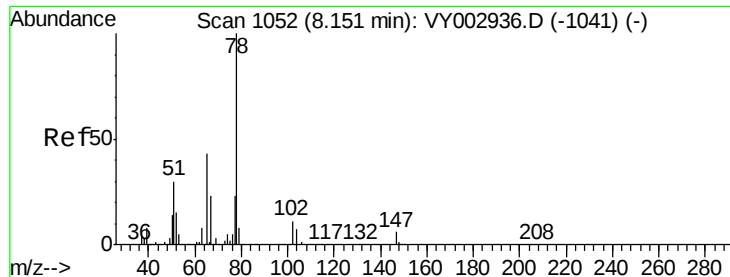


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 48.446 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

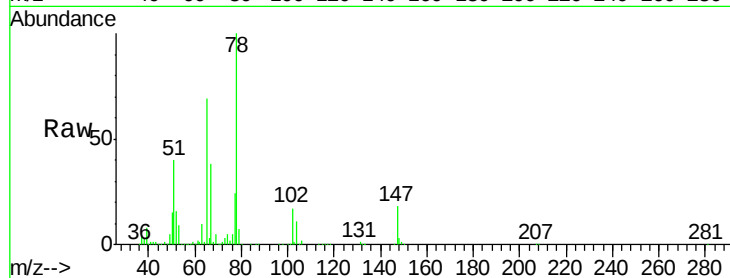
VSTDCCC050

Tgt Ion: 65 Resp: 135611

Ion Ratio Lower Upper

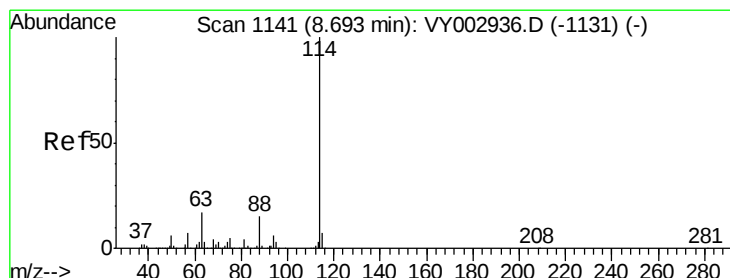
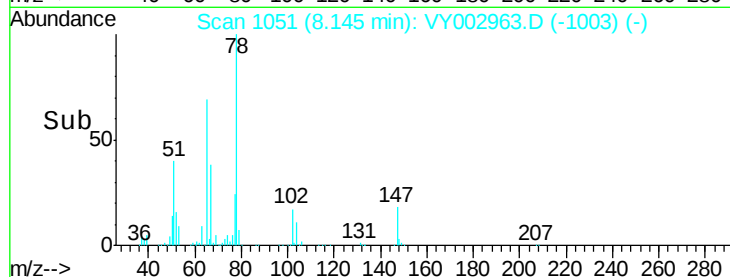
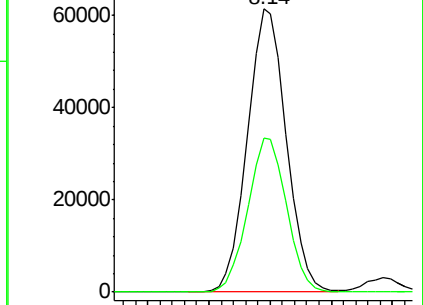
65 100

67 54.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY002963.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY002963.D (-1041) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

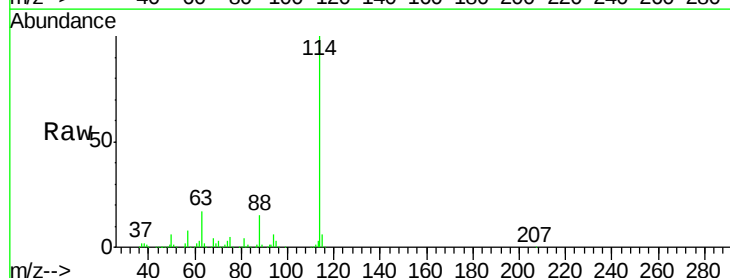
Tgt Ion: 114 Resp: 488987

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.6

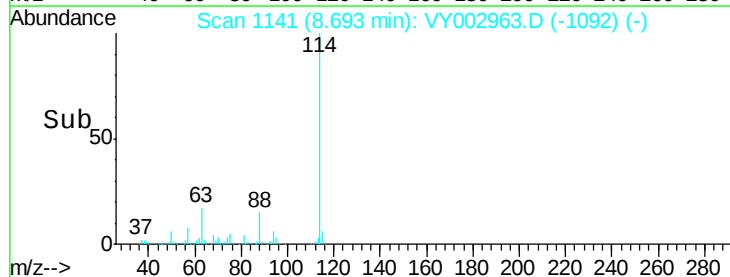
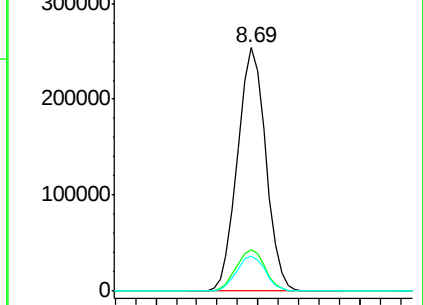
88 14.5 0.0 29.2

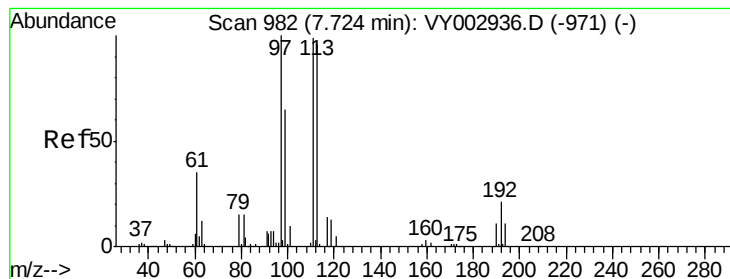


Abundance Ion 113.90 (113.60 to 114.60): VY002963.D (-1131) (-)

Ion 63.00 (62.70 to 63.70): VY002963.D (-1131) (-)

Ion 87.90 (87.60 to 88.60): VY002963.D (-1131) (-)





#35

Dibromofluoromethane

Concen: 50.604 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

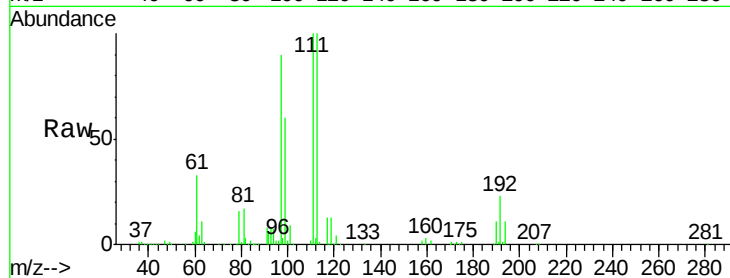
Tgt Ion:113 Resp: 140011

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

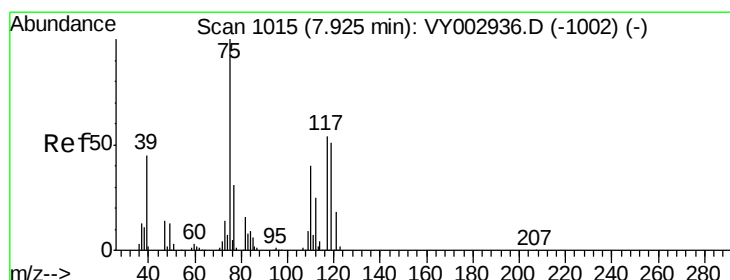
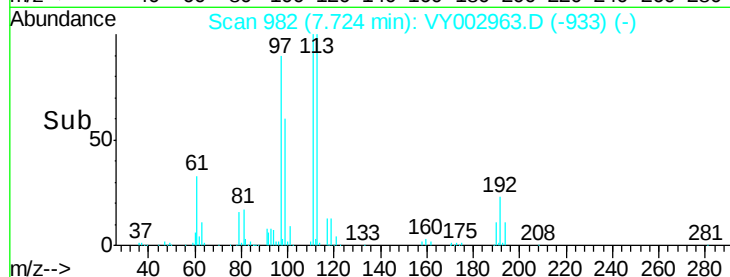
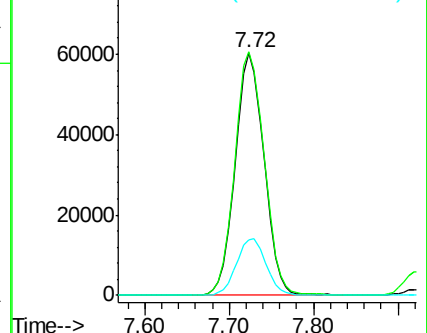
192 23.9 19.2 28.8



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: 46.864 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

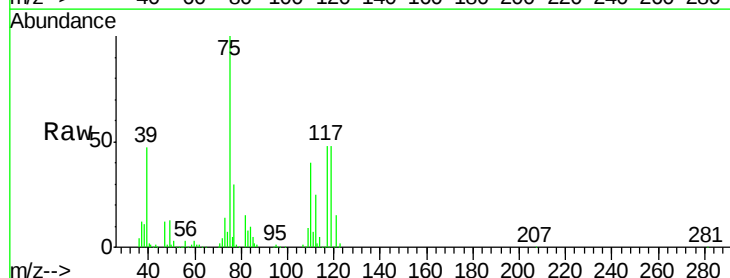
Tgt Ion: 75 Resp: 186110

Ion Ratio Lower Upper

75 100

110 39.0 19.7 59.0

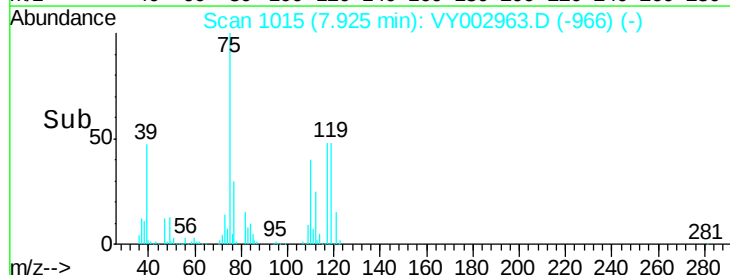
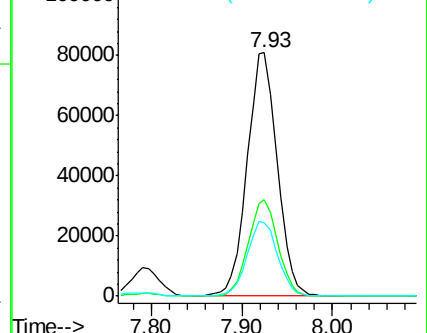
77 31.2 25.0 37.4

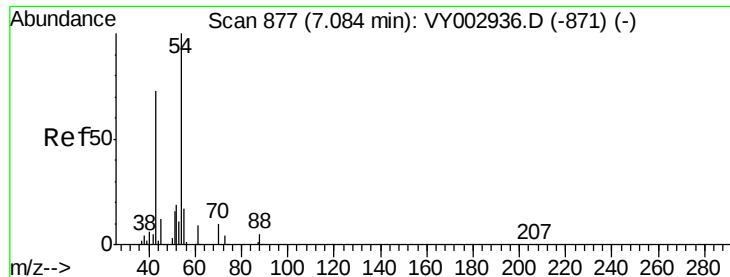


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

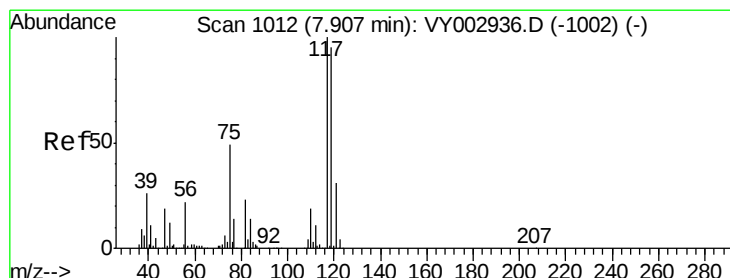
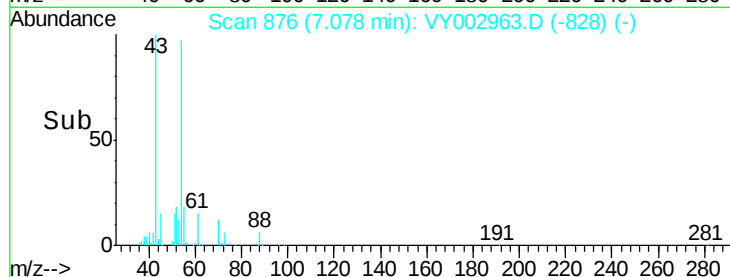
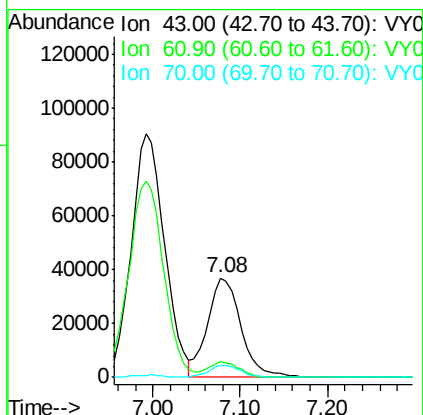
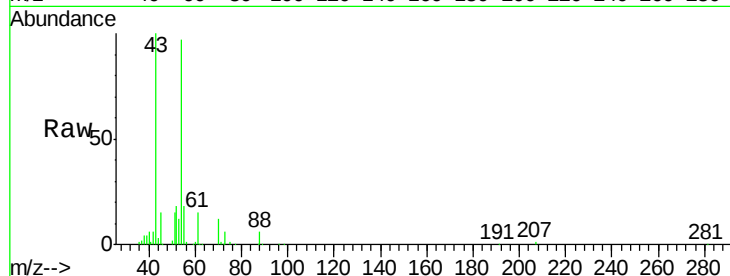




#37
 Ethyl Acetate
 Concen: 44.417 ug/l
 RT: 7.08 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

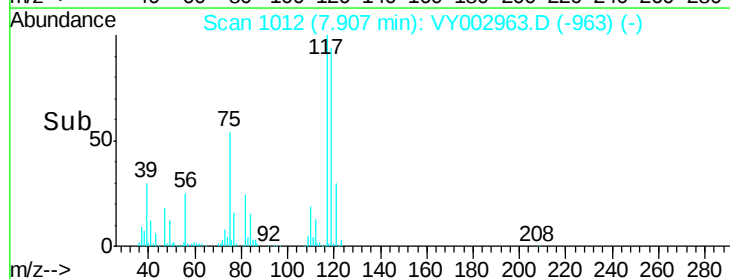
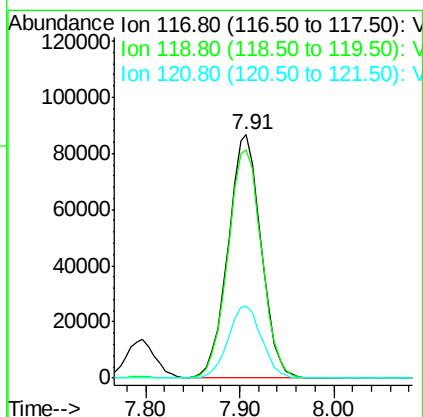
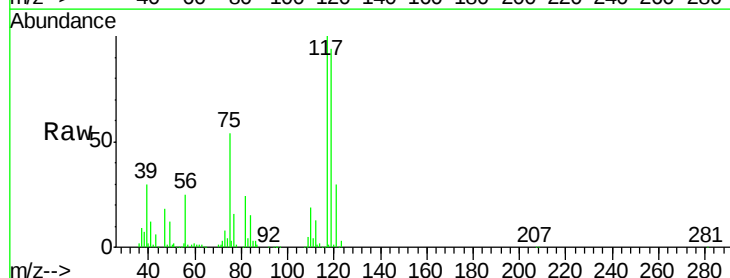
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

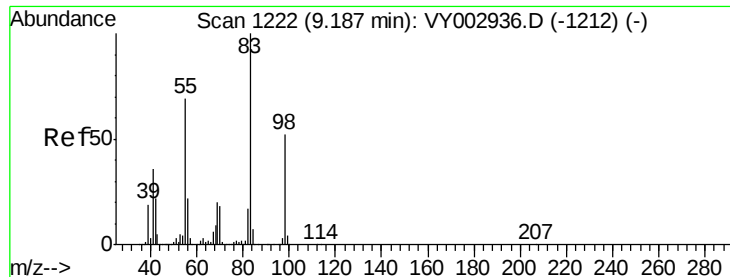
Tgt Ion: 43 Resp: 97946
 Ion Ratio Lower Upper
 43 100
 61 14.4 12.3 18.5
 70 11.6 9.7 14.5



#38
 Carbon Tetrachloride
 Concen: 48.137 ug/l
 RT: 7.91 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

Tgt Ion: 117 Resp: 210672
 Ion Ratio Lower Upper
 117 100
 119 94.0 76.1 114.1
 121 29.6 24.8 37.2

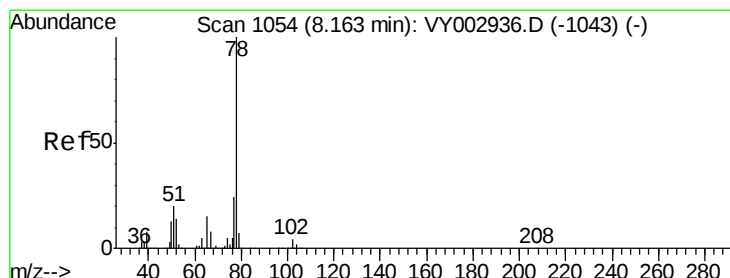
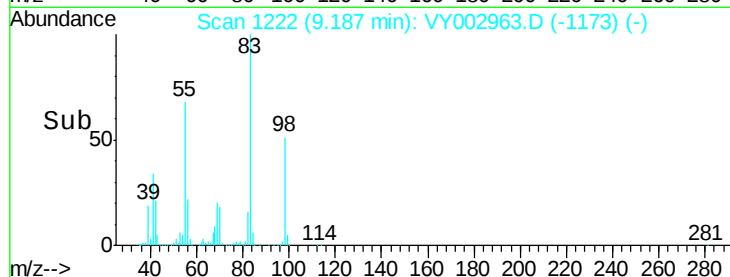
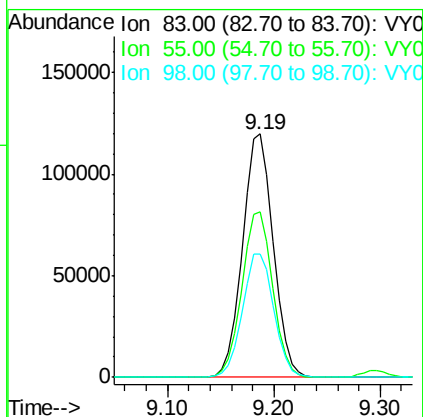
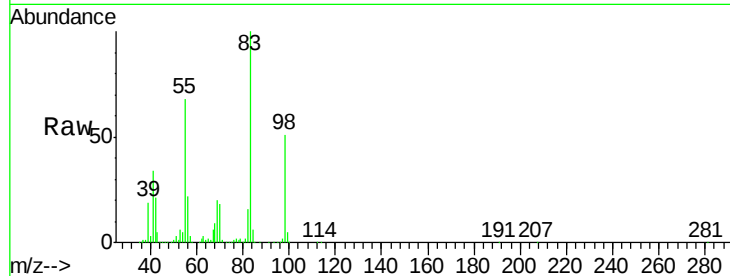




#39
Methylcyclohexane
Concen: 46.431 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

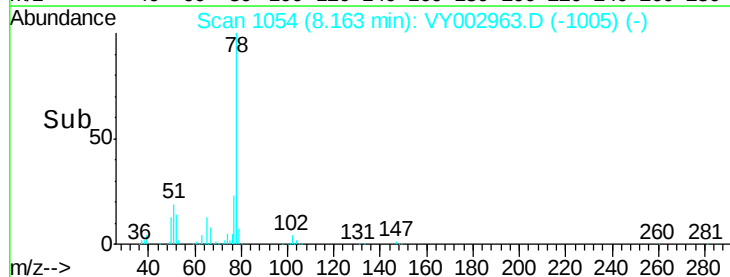
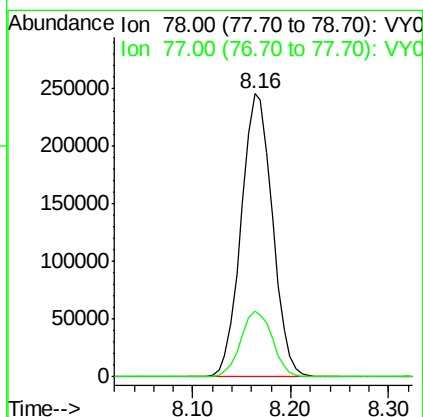
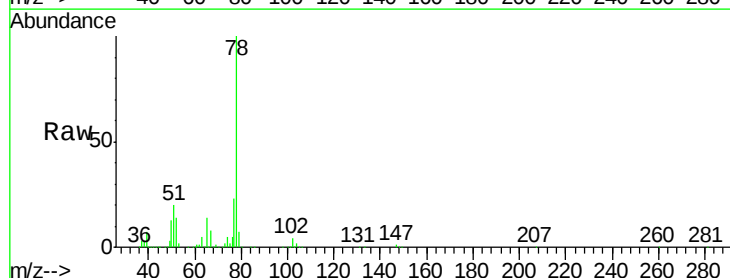
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

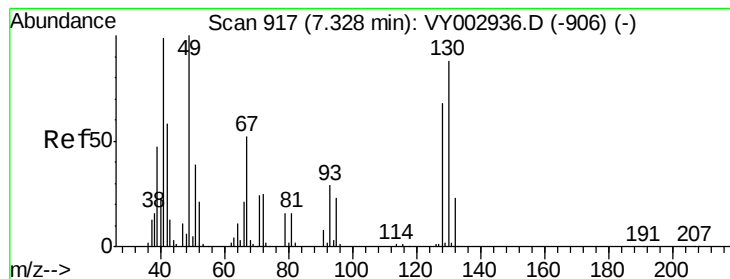
Tgt Ion: 83 Resp: 243060
Ion Ratio Lower Upper
83 100
55 68.0 55.0 82.4
98 50.9 41.4 62.2



#40
Benzene
Concen: 46.123 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion: 78 Resp: 545317
Ion Ratio Lower Upper
78 100
77 23.4 19.3 28.9





#41

Methacrylonitrile

Concen: 120.316 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.02 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 132827

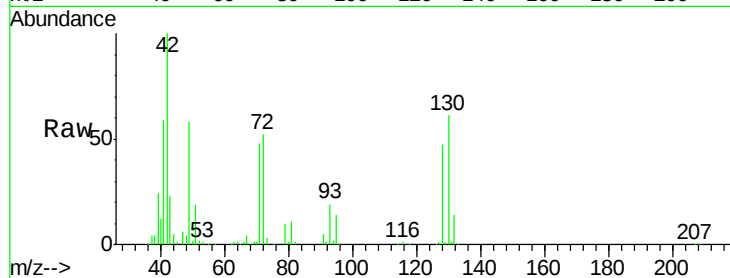
Ion Ratio Lower Upper

41 100

39 45.9 96.6 144.8#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

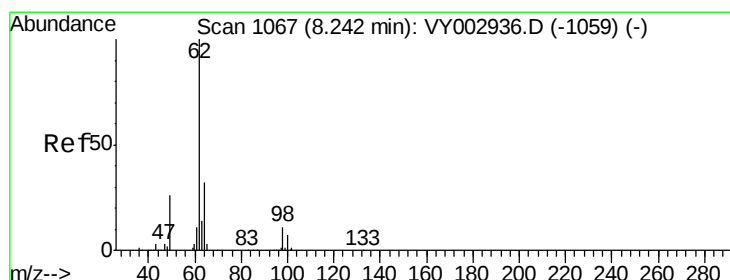
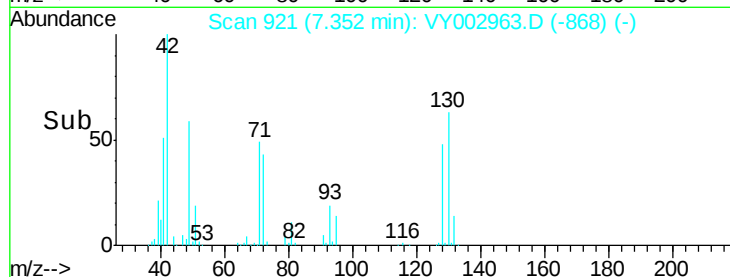
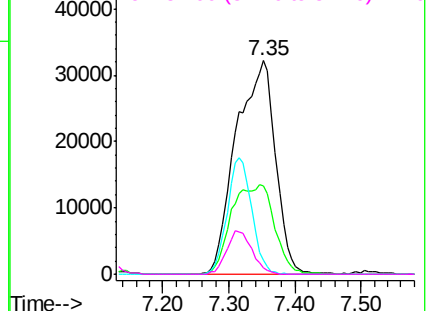


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 46.110 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY002963.D

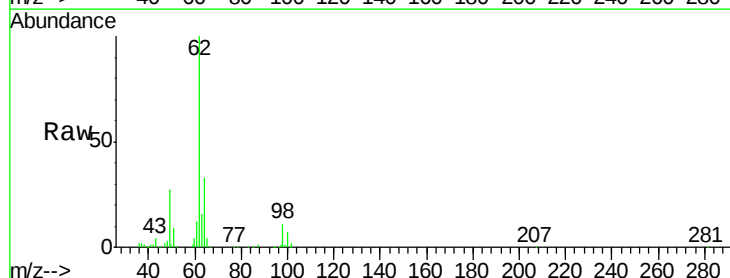
Acq: 22 Jun 2020 10:35

Tgt Ion: 62 Resp: 151310

Ion Ratio Lower Upper

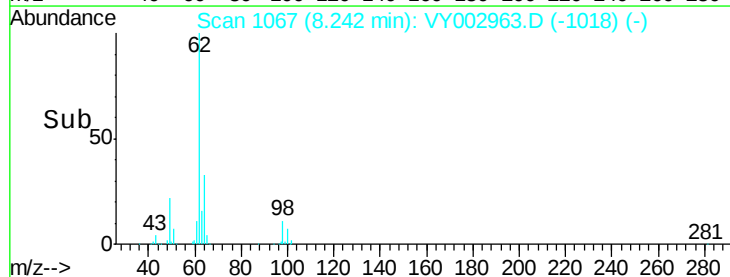
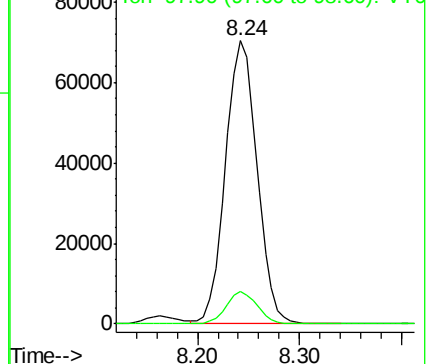
62 100

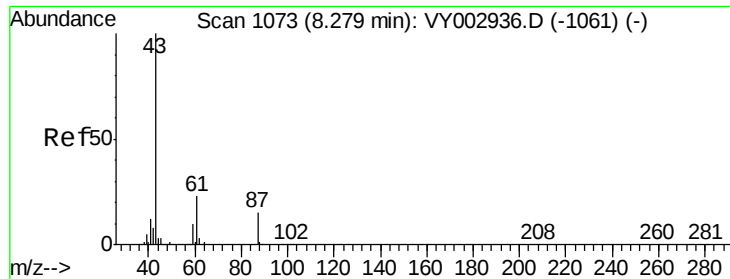
98 11.1 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 44.702 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

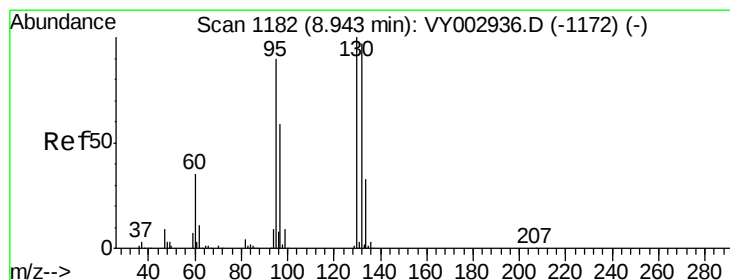
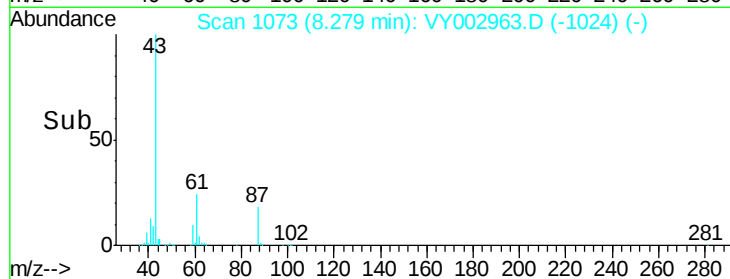
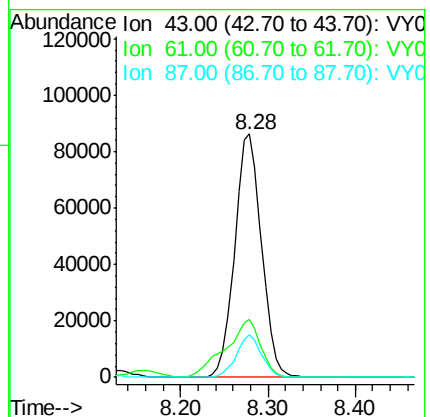
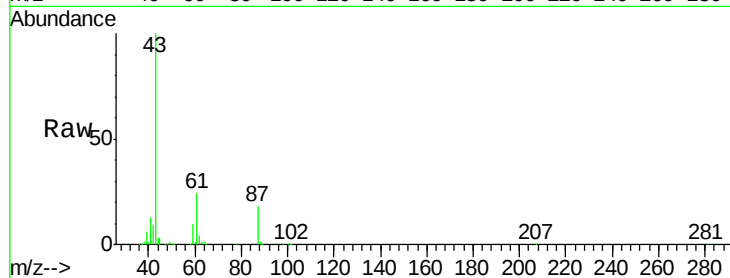
Tgt Ion: 43 Resp: 183561

Ion Ratio Lower Upper

43 100

61 31.4 25.0 37.4

87 16.3 12.6 18.8



#44

Trichloroethene

Concen: 47.172 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY002963.D

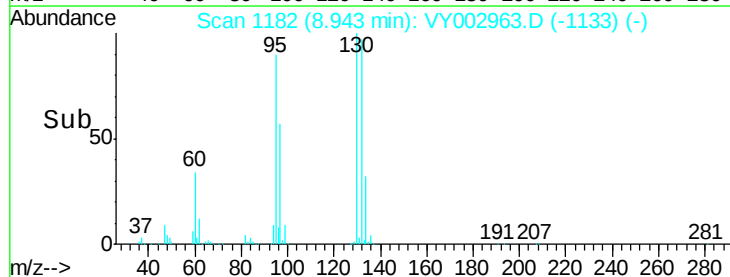
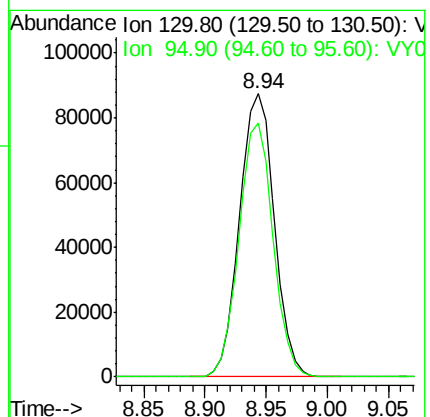
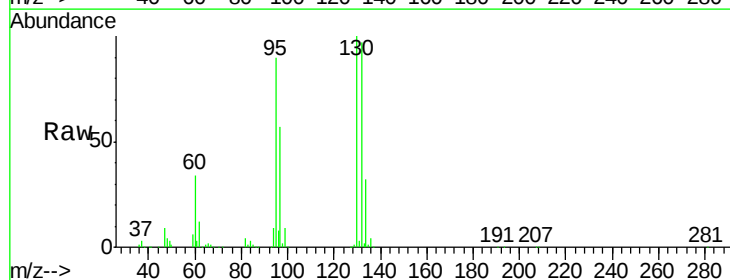
Acq: 22 Jun 2020 10:35

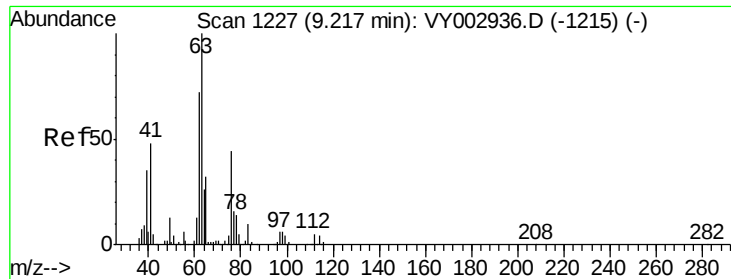
Tgt Ion: 130 Resp: 172756

Ion Ratio Lower Upper

130 100

95 89.8 0.0 179.6

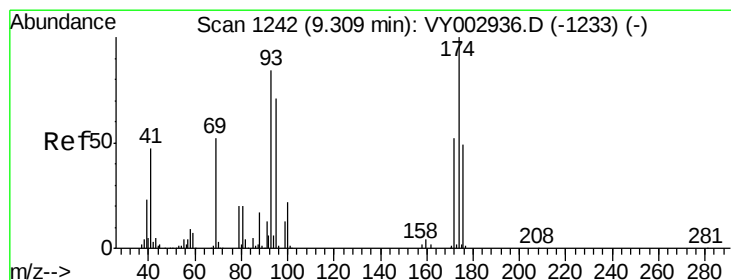
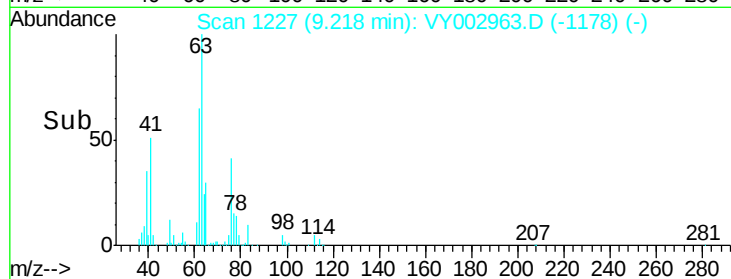
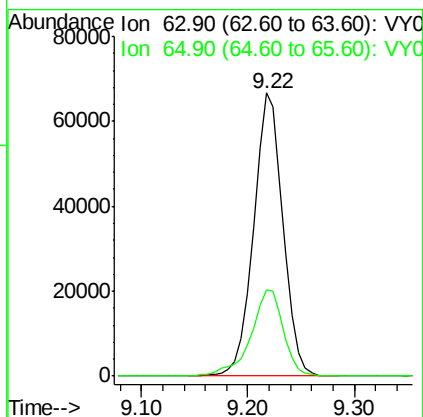
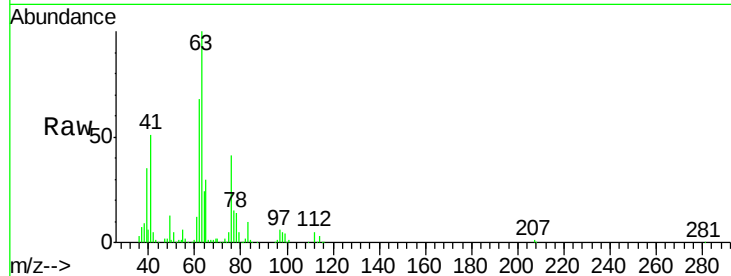




#45
 1,2-Dichloropropane
 Concen: 45.178 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

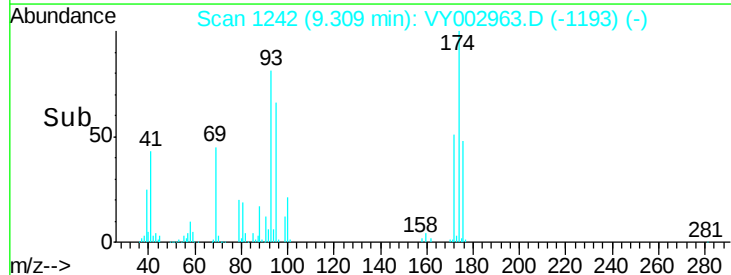
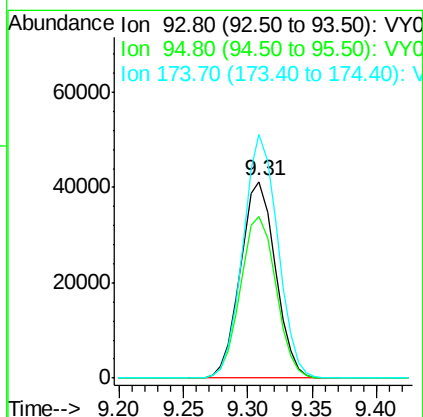
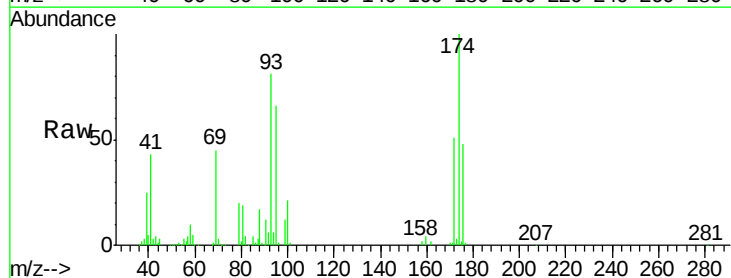
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

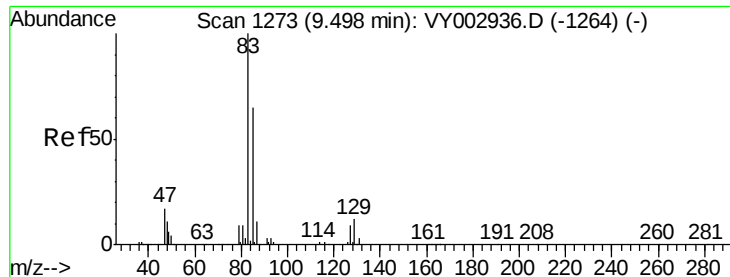
Tgt Ion: 63 Resp: 128454
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.5 38.3



#46
 Dibromomethane
 Concen: 45.756 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

Tgt Ion: 93 Resp: 77678
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.4 99.6
 174 122.5 95.1 142.7





#47

Bromodichloromethane

Concen: 46.433 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

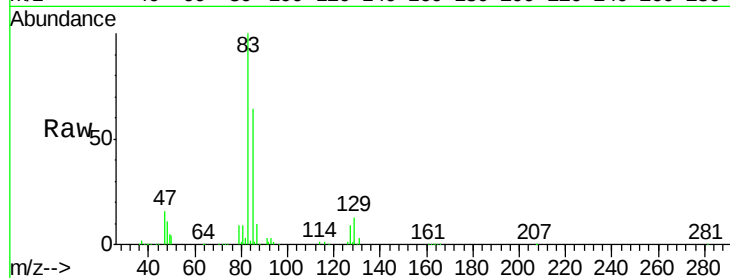
Tgt Ion: 83 Resp: 184038

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9

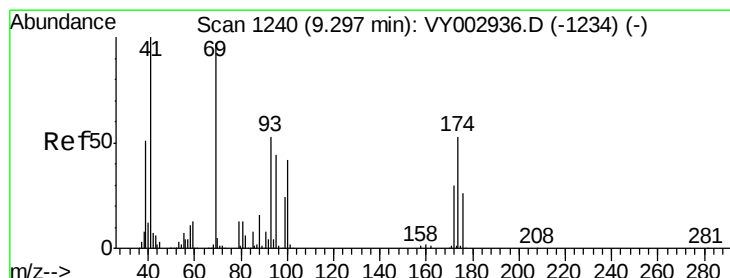
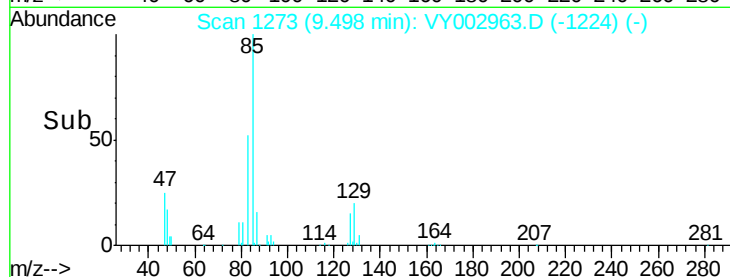
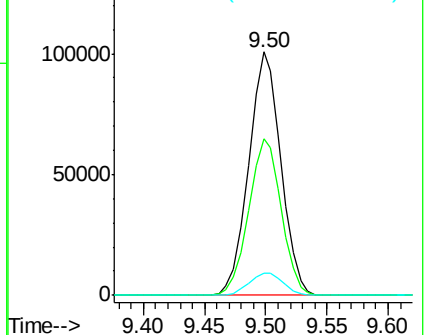
127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VY002963.D (-1264) (-)

Ion 84.90 (84.60 to 85.60): VY002963.D (-1264) (-)

Ion 126.80 (126.50 to 127.50): VY002963.D (-1264) (-)



#48

Methyl methacrylate

Concen: 44.656 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

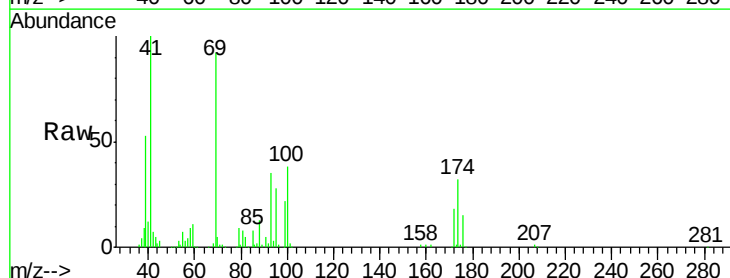
Tgt Ion: 41 Resp: 82280

Ion Ratio Lower Upper

41 100

69 101.8 79.4 119.0

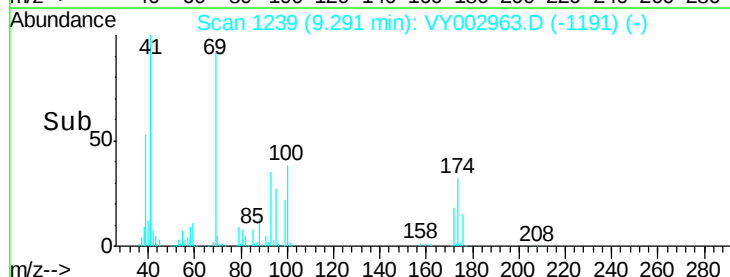
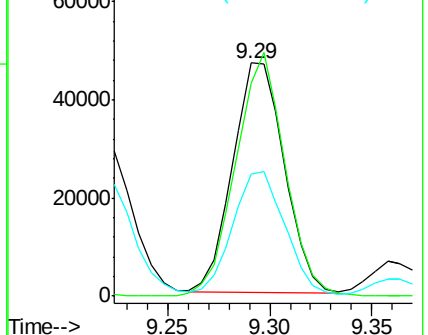
39 55.5 41.1 61.7

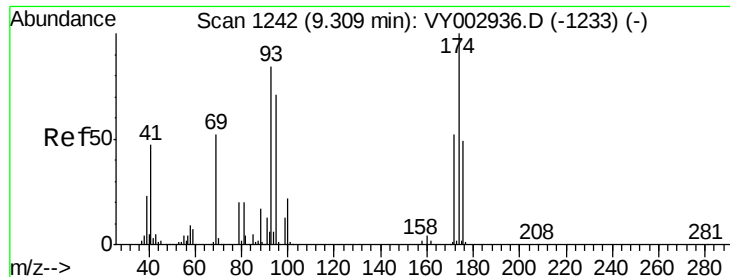


Abundance Ion 41.00 (40.70 to 41.70): VY002963.D (-1191) (-)

Ion 69.00 (68.70 to 69.70): VY002963.D (-1191) (-)

Ion 39.00 (38.70 to 39.70): VY002963.D (-1191) (-)





#49

1,4-Dioxane

Concen: 914.455 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

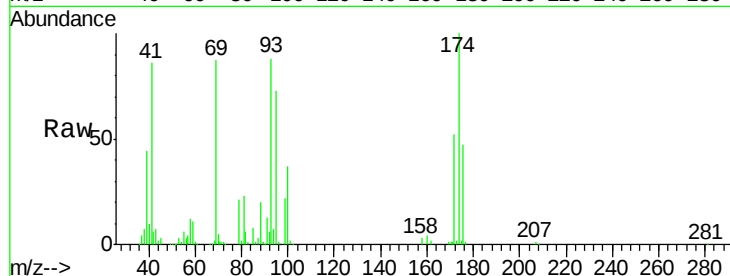
Tgt Ion: 88 Resp: 22753

Ion Ratio Lower Upper

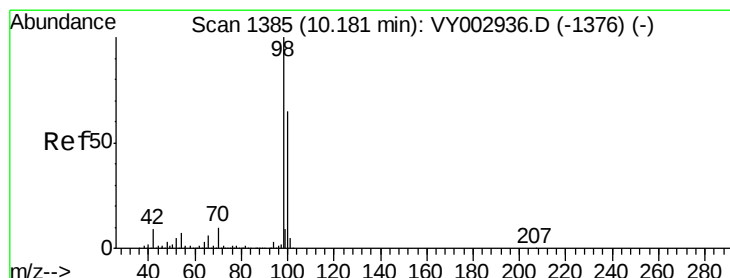
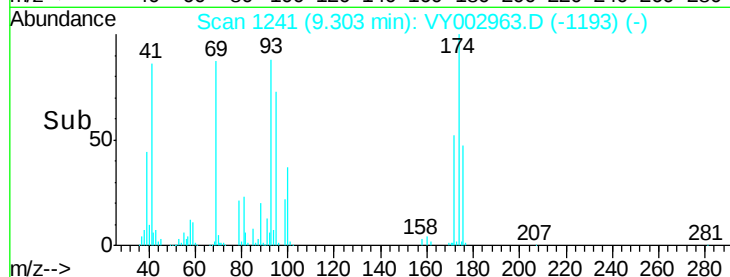
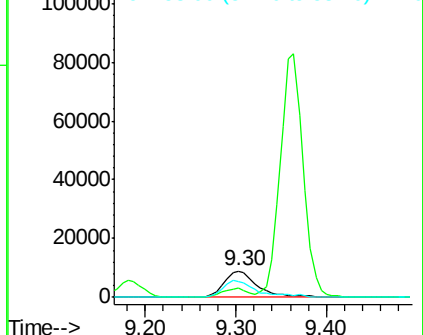
88 100

43 25.2 21.0 31.6

58 66.3 51.5 77.3



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: 51.161 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002963.D

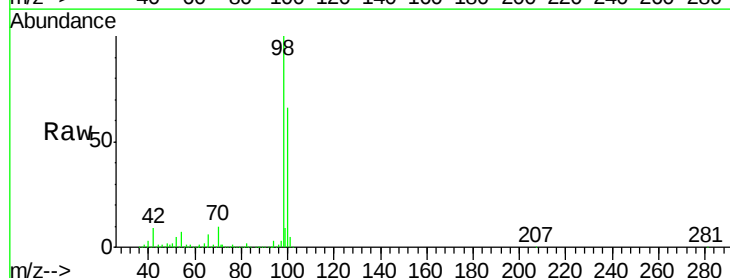
Acq: 22 Jun 2020 10:35

Tgt Ion: 98 Resp: 558130

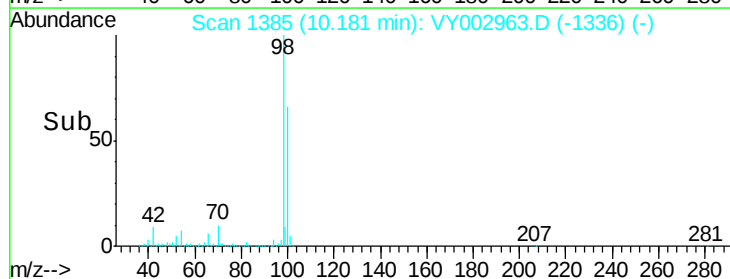
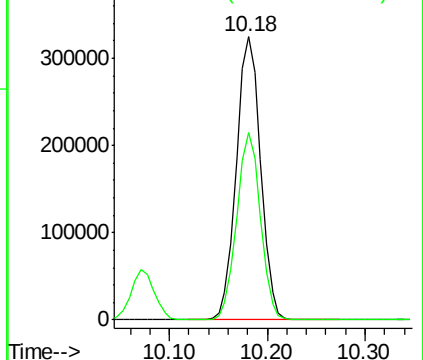
Ion Ratio Lower Upper

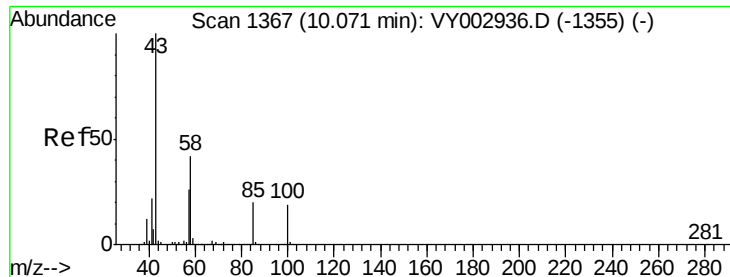
98 100

100 64.7 51.9 77.9



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

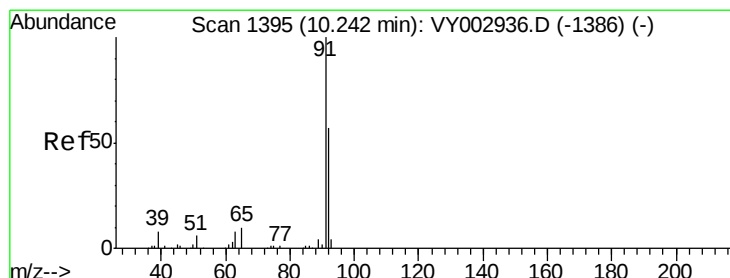
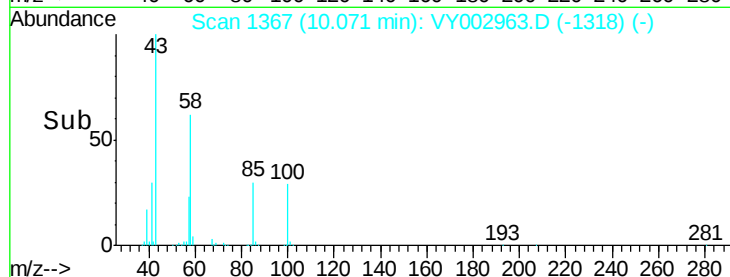
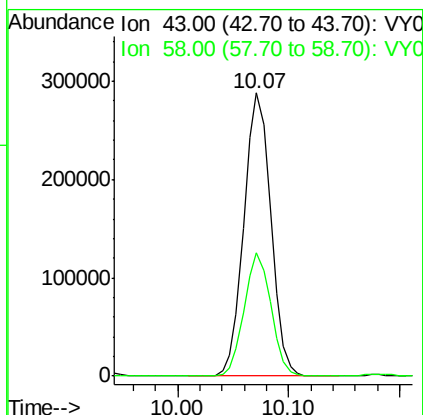
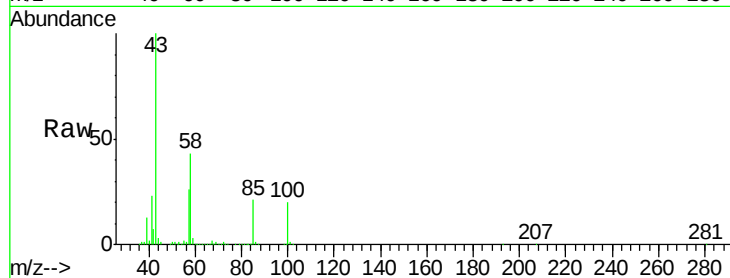




#51
4-Methyl-2-Pentanone
Concen: 223.589 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

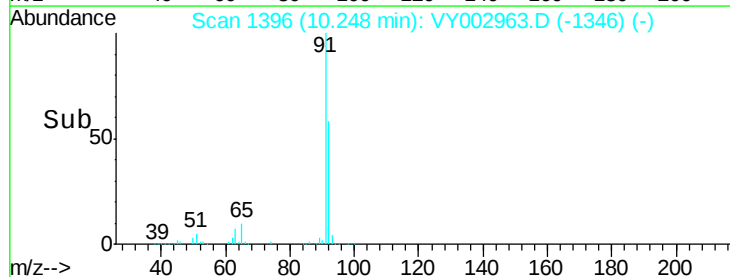
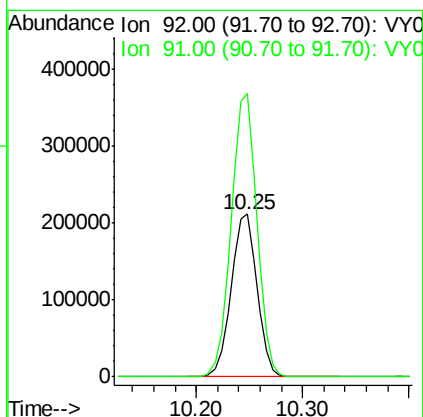
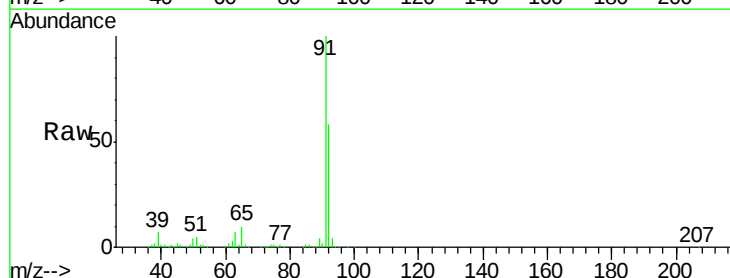
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

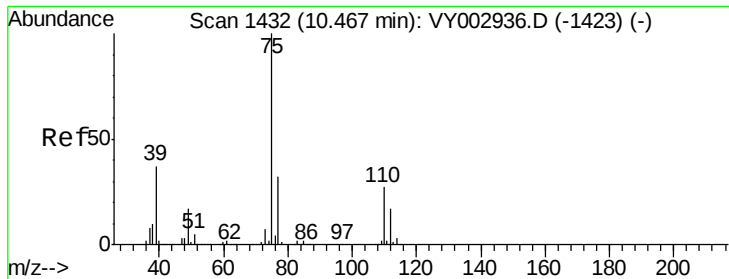
Tgt Ion: 43 Resp: 486533
Ion Ratio Lower Upper
43 100
58 43.1 33.9 50.9



#52
Toluene
Concen: 47.045 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion: 92 Resp: 359979
Ion Ratio Lower Upper
92 100
91 173.6 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 47.202 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

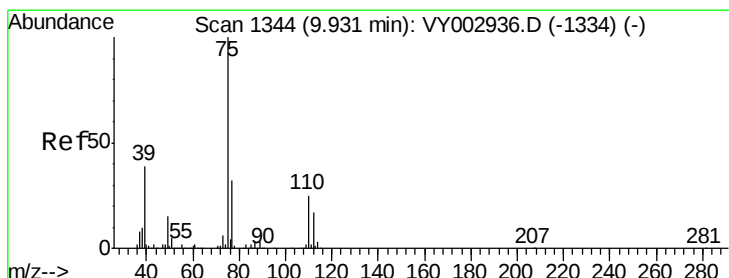
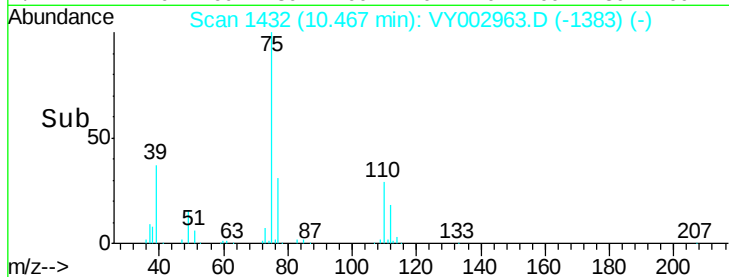
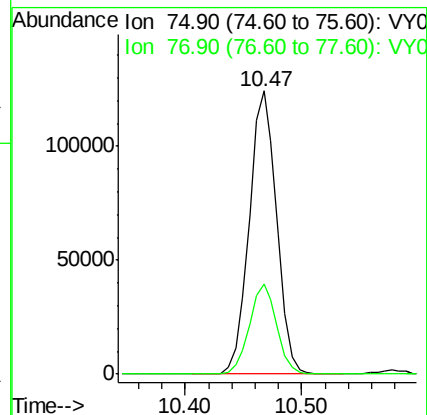
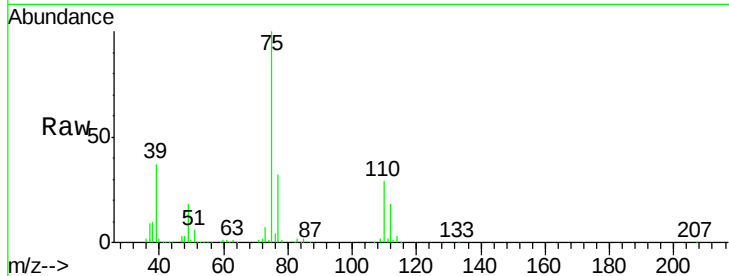
VSTDCCC050

Tgt Ion: 75 Resp: 203332

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 46.489 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

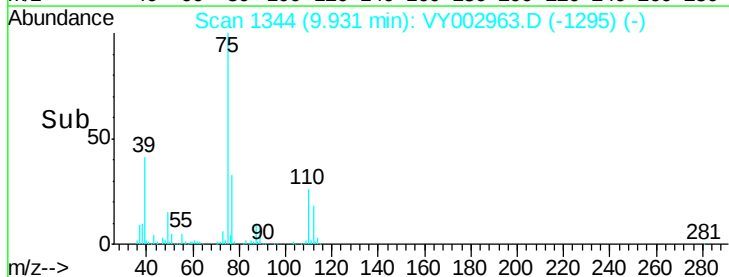
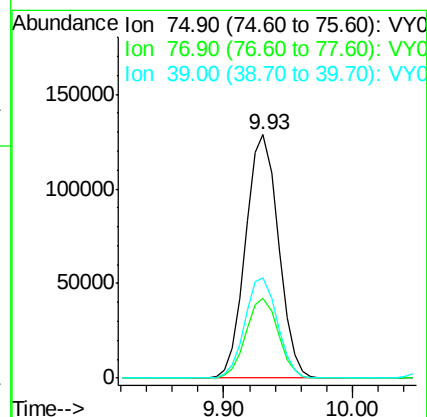
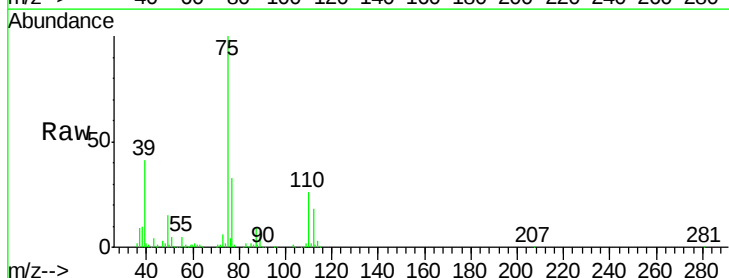
Tgt Ion: 75 Resp: 226677

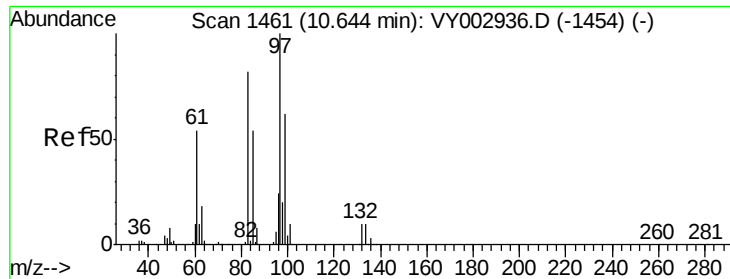
Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2

39 41.3 31.4 47.0

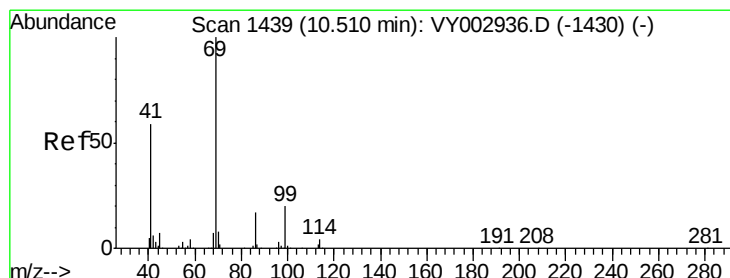
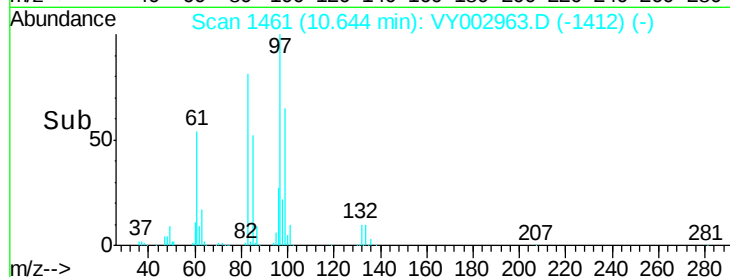
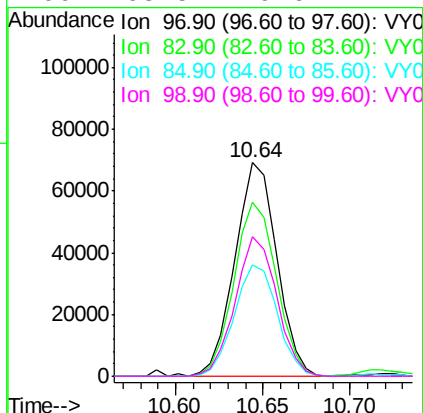
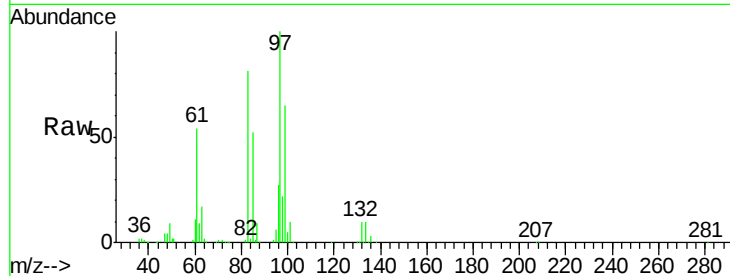




#55
 1,1,2-Trichloroethane
 Concen: 45.326 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

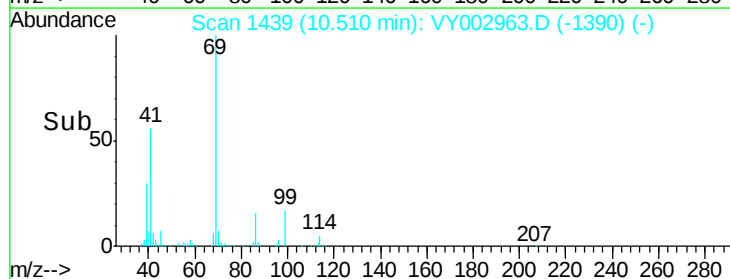
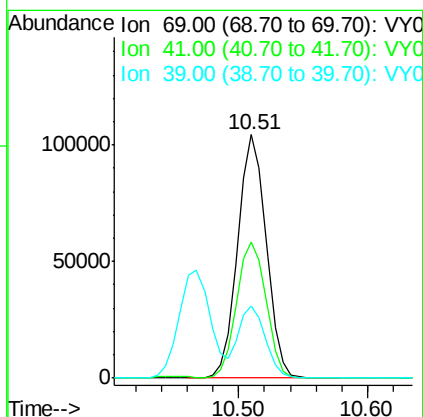
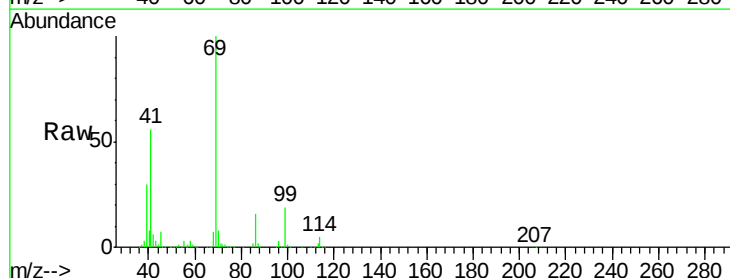
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

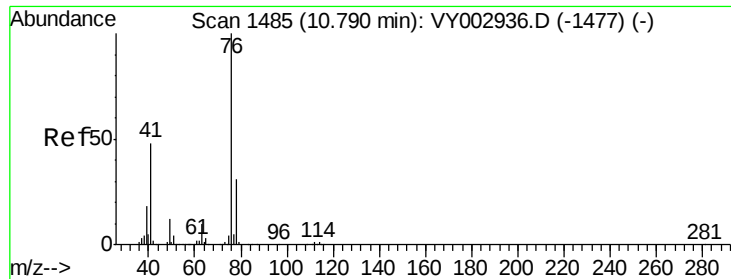
Tgt Ion:	97	Resp:	114751
Ion	Ratio	Lower	Upper
97	100		
83	81.5	65.9	98.9
85	52.1	43.1	64.7
99	65.5	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 46.950 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

Tgt Ion:	69	Resp:	160230
Ion	Ratio	Lower	Upper
69	100		
41	57.6	46.4	69.6
39	28.0	21.4	32.0





#57

1,3-Dichloropropane

Concen: 46.237 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

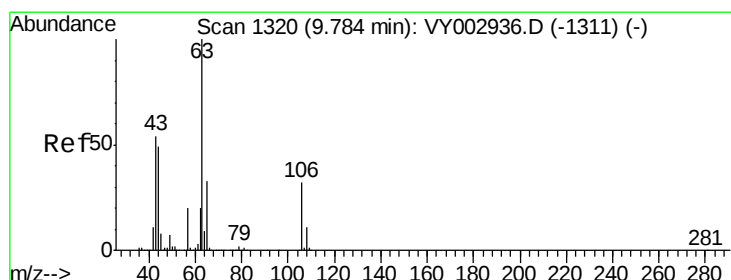
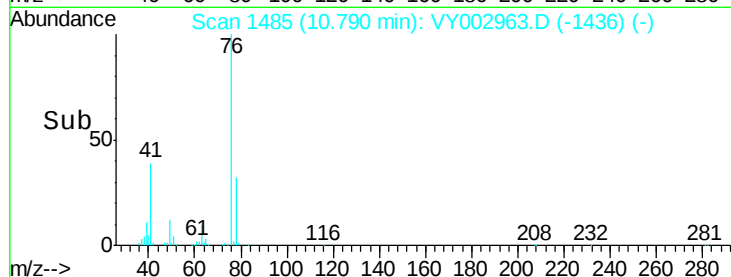
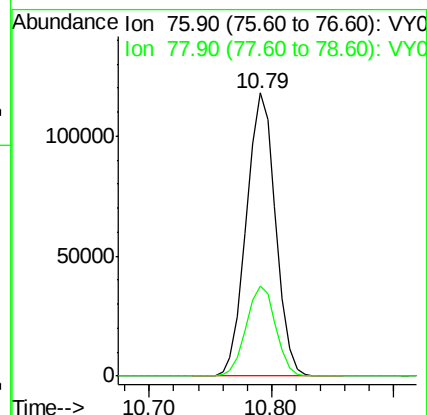
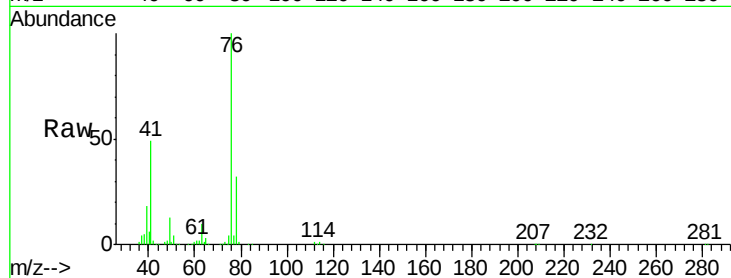
VSTDCCC050

Tgt Ion: 76 Resp: 195205

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 259.477 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002963.D

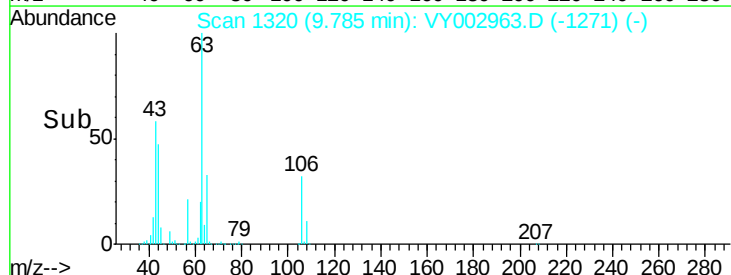
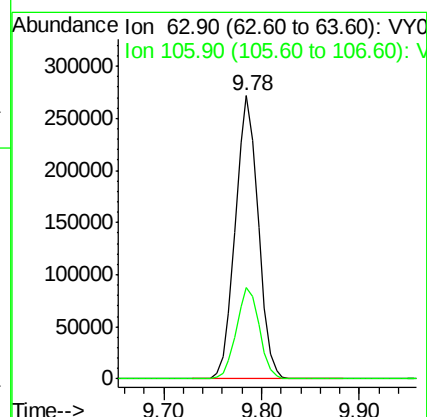
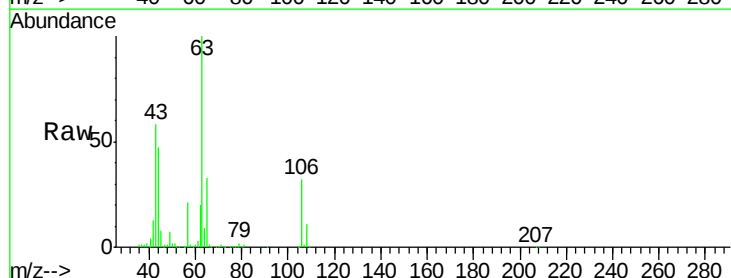
Acq: 22 Jun 2020 10:35

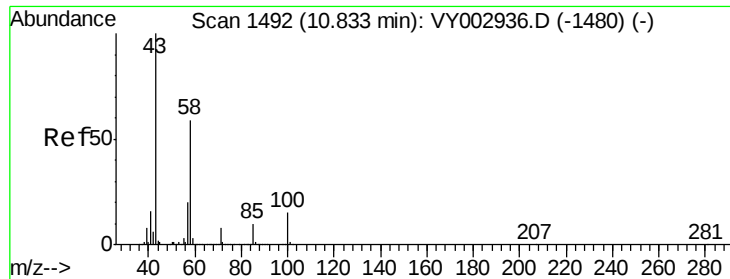
Tgt Ion: 63 Resp: 441055

Ion Ratio Lower Upper

63 100

106 32.4 25.6 38.4

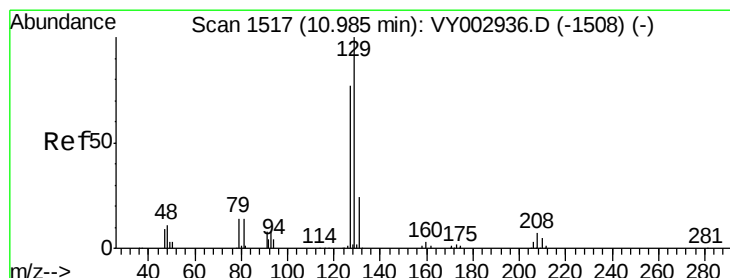
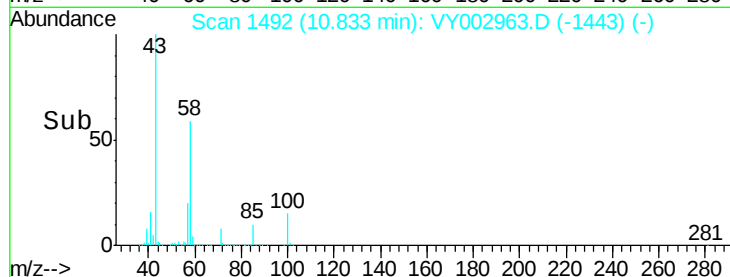
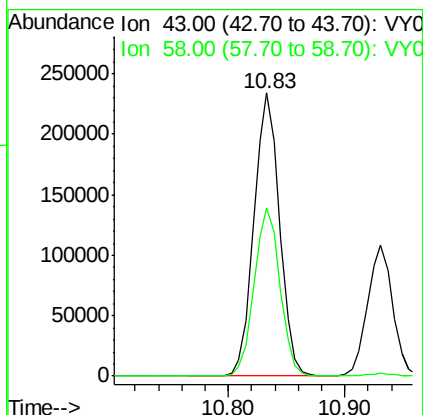
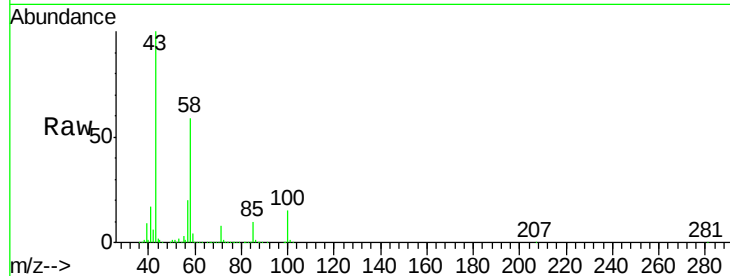




#59
2-Hexanone
Concen: 235.383 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

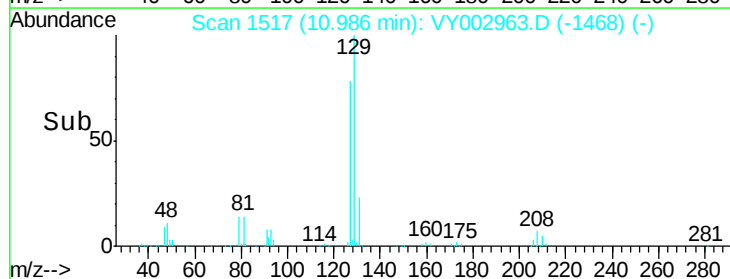
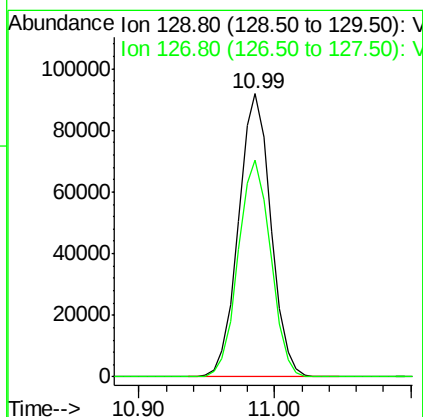
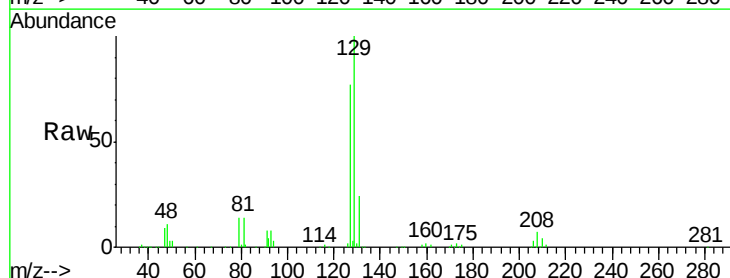
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

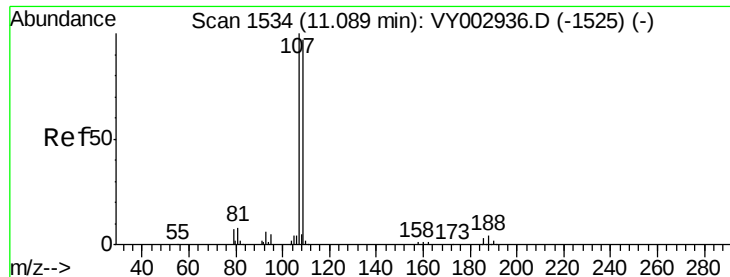
Tgt Ion: 43 Resp: 360101
Ion Ratio Lower Upper
43 100
58 59.6 29.7 89.1



#60
Dibromochloromethane
Concen: 47.166 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion: 129 Resp: 152284
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 46.173 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

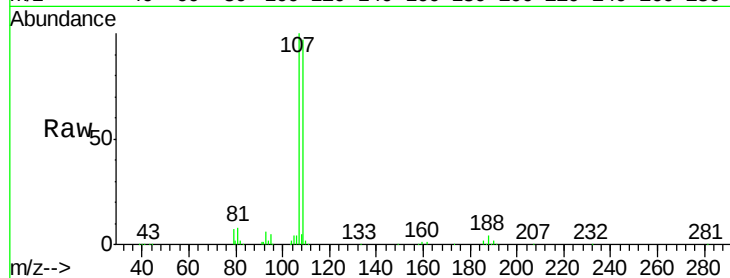
VSTDCCC050

Tgt Ion: 107 Resp: 115972

Ion Ratio Lower Upper

107 100

109 95.1 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.09

80000

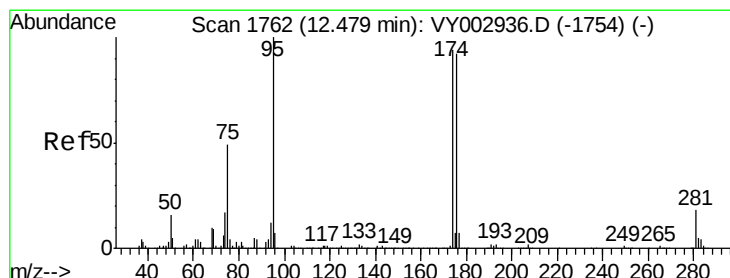
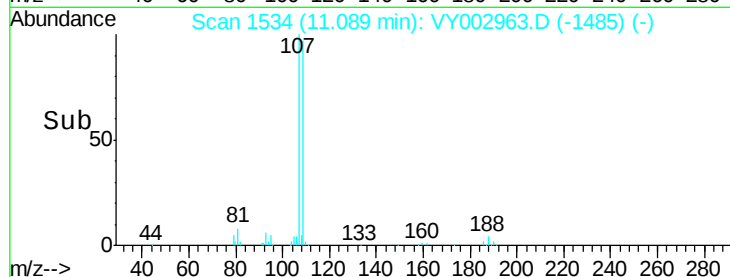
60000

40000

20000

0

Time--> 11.00 11.05 11.10 11.15



#62

4-Bromofluorobenzene

Concen: 50.461 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

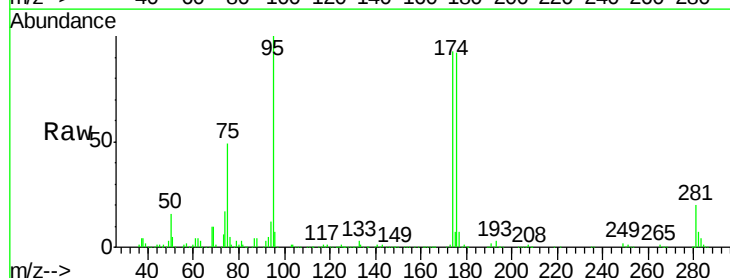
Tgt Ion: 95 Resp: 190955

Ion Ratio Lower Upper

95 100

174 96.5 0.0 191.2

176 95.0 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

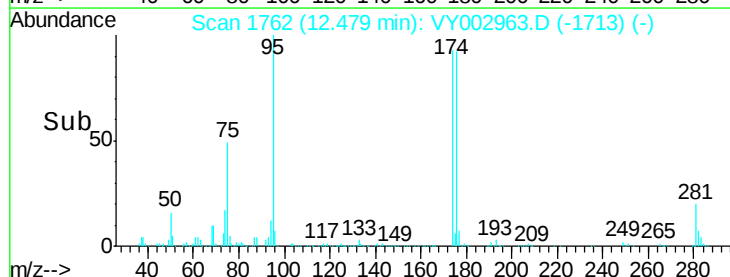
150000

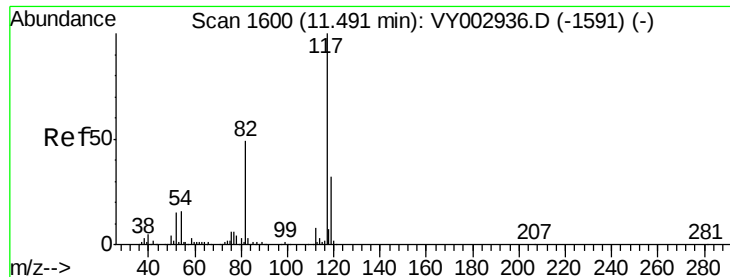
100000

50000

0

Time--> 12.40 12.50

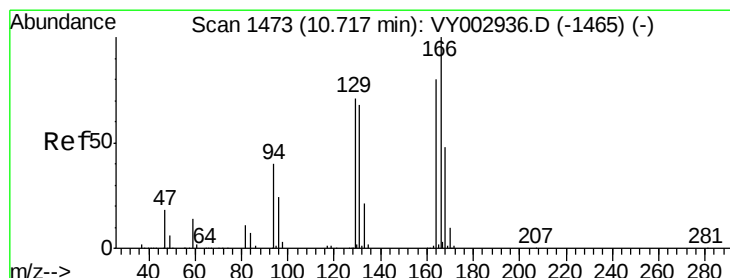
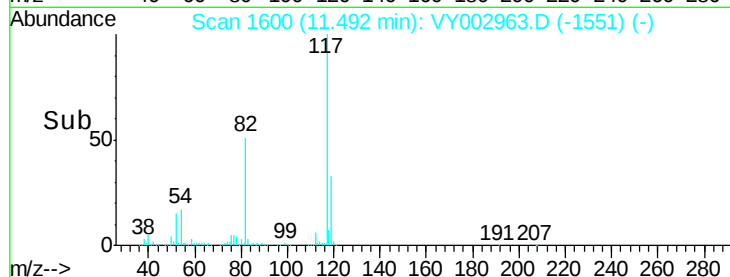
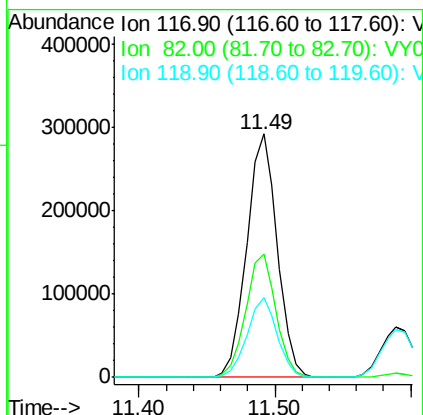
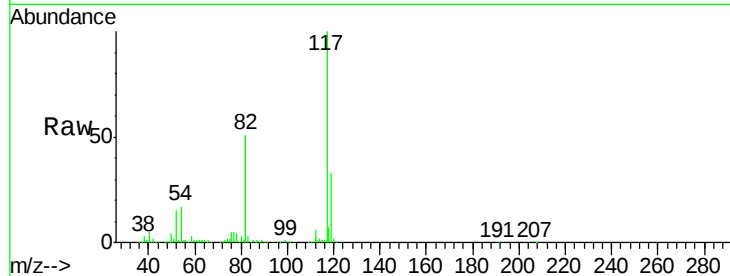




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

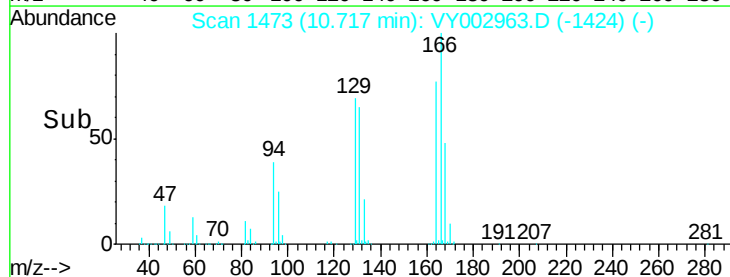
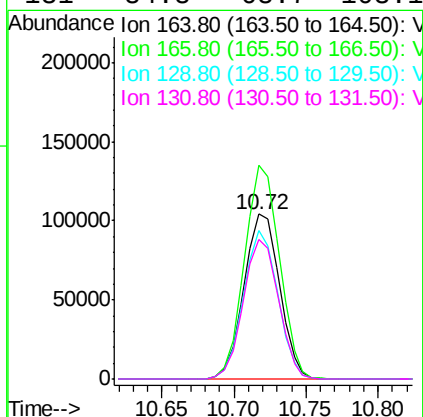
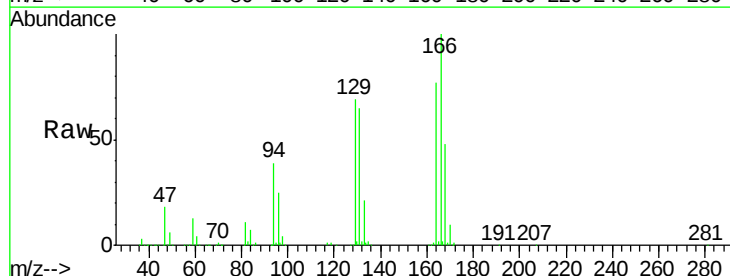
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

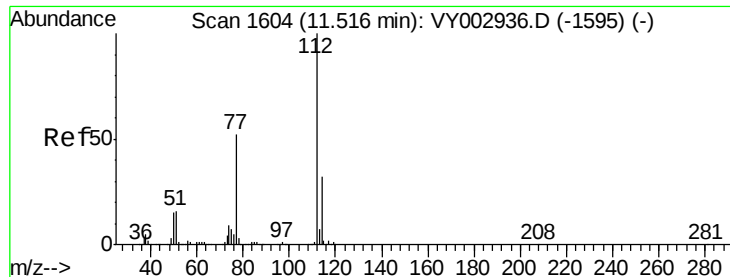
Tgt Ion:117 Resp: 457374
Ion Ratio Lower Upper
117 100
82 50.5 39.4 59.0
119 32.7 25.4 38.0



#64
Tetrachloroethene
Concen: 46.721 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion:164 Resp: 178067
Ion Ratio Lower Upper
164 100
166 129.6 100.5 150.7
129 90.0 71.1 106.7
131 84.8 68.7 103.1

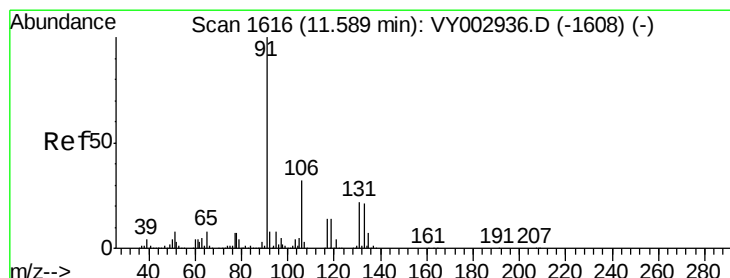
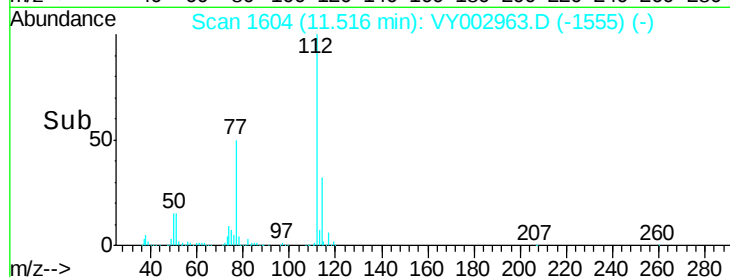
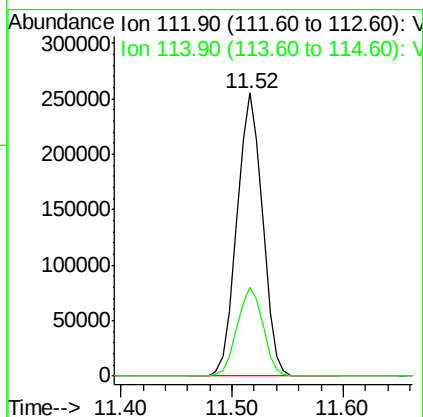
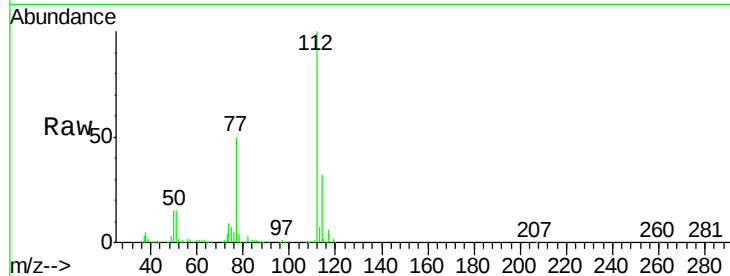




#65
Chlorobenzene
Concen: 46.795 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

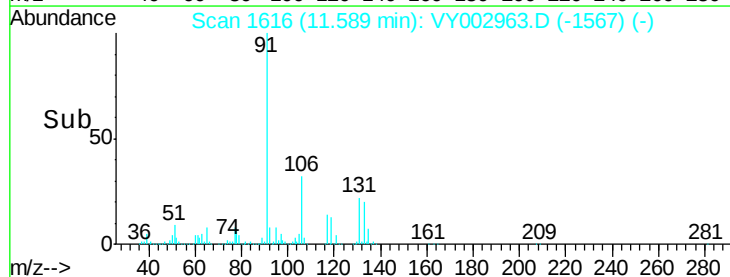
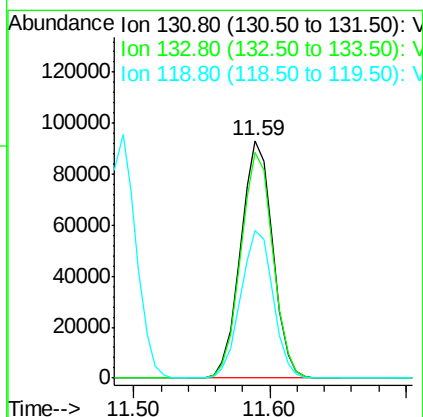
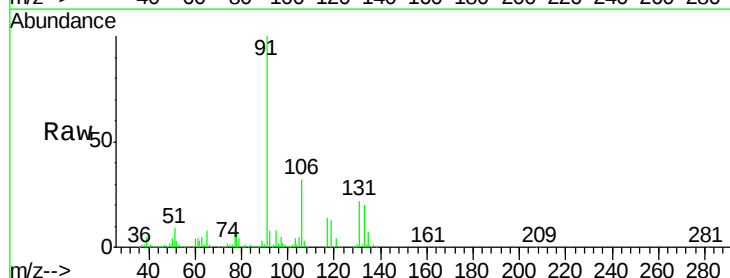
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

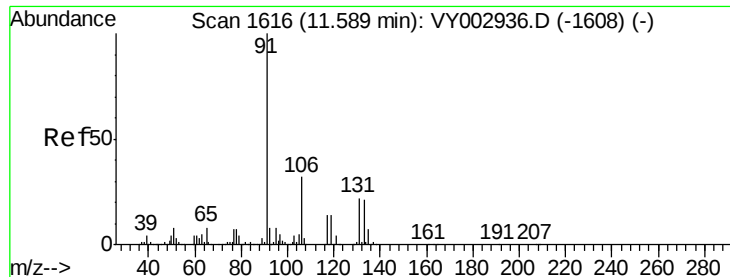
Tgt Ion:112 Resp: 405128
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 46.874 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion:131 Resp: 153396
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 62.7 31.5 94.5





#67

Ethyl Benzene

Concen: 47.175 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

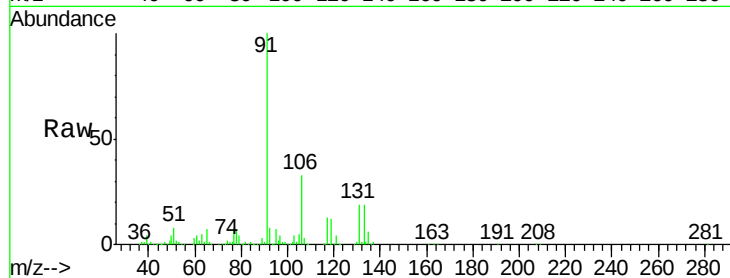
VSTDCCC050

Tgt Ion: 91 Resp: 704498

Ion Ratio Lower Upper

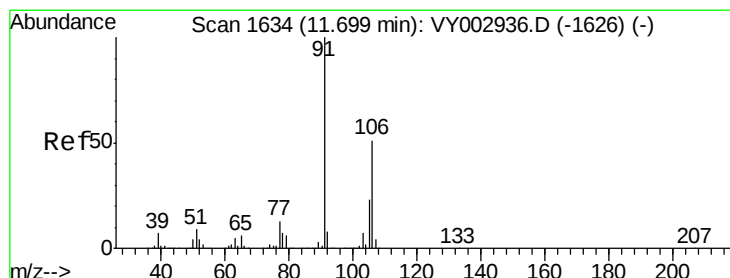
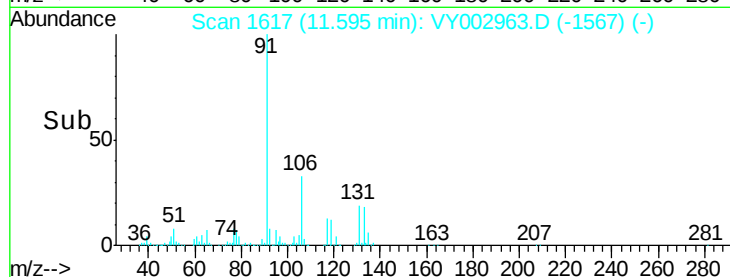
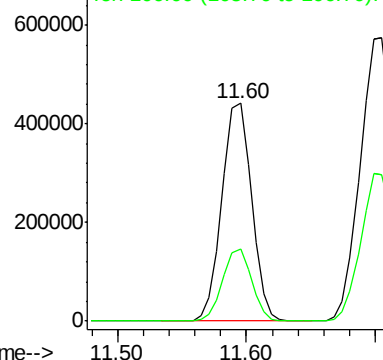
91 100

106 33.1 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 94.965 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002963.D

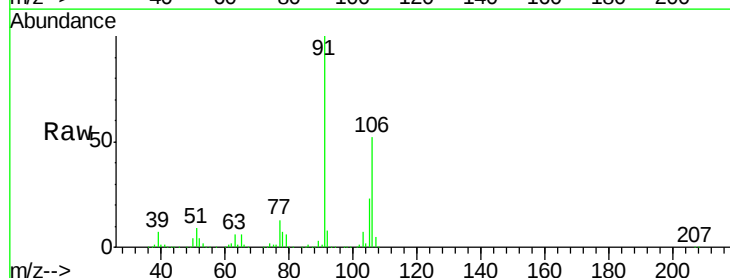
Acq: 22 Jun 2020 10:35

Tgt Ion: 106 Resp: 551084

Ion Ratio Lower Upper

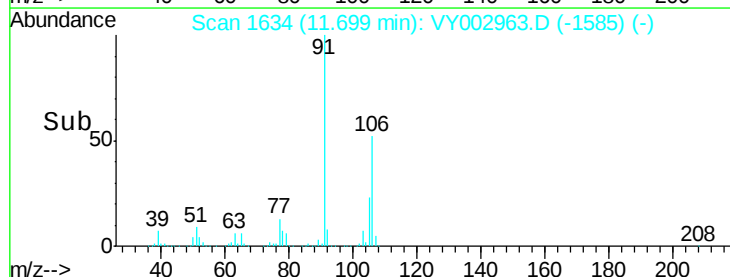
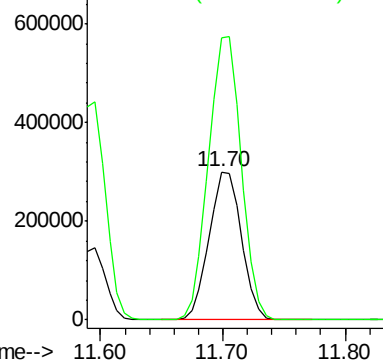
106 100

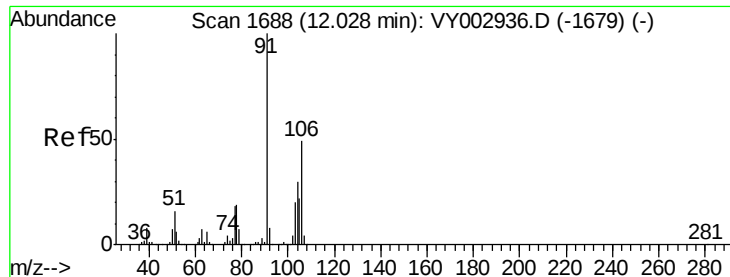
91 194.0 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0

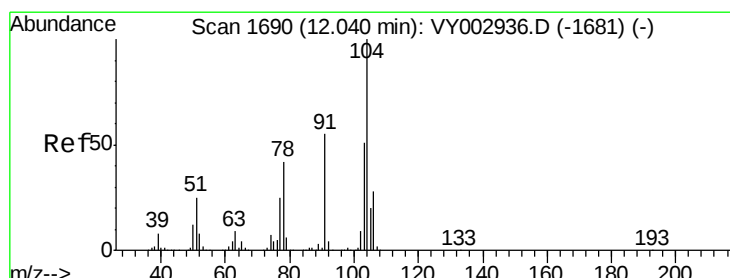
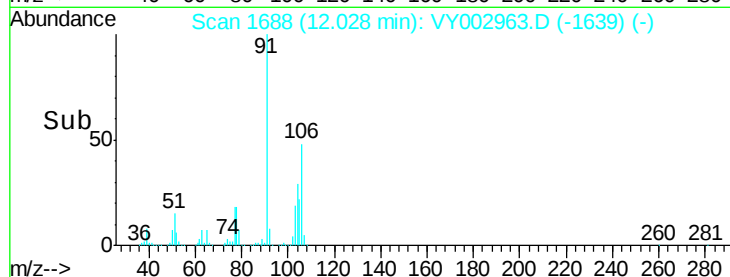
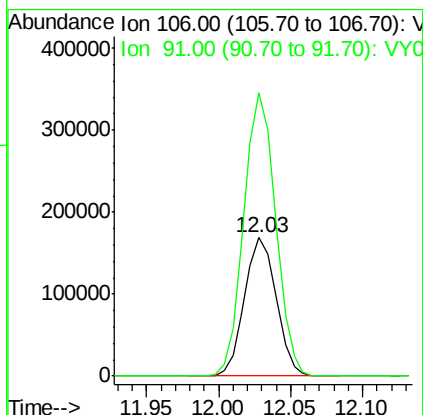
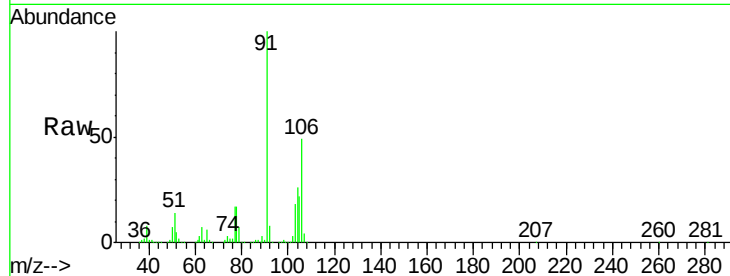




#69
o-Xylene
Concen: 47.300 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

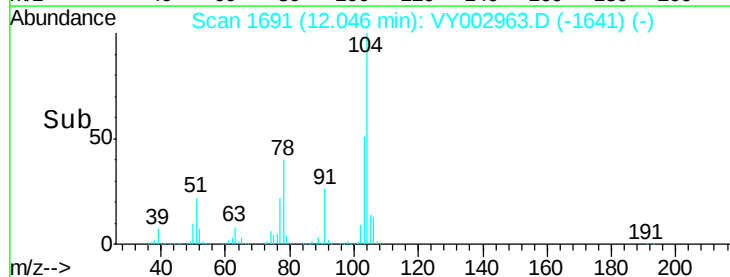
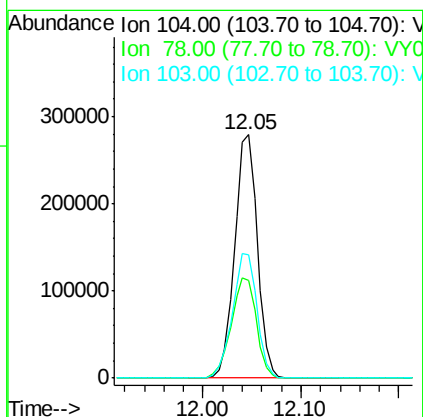
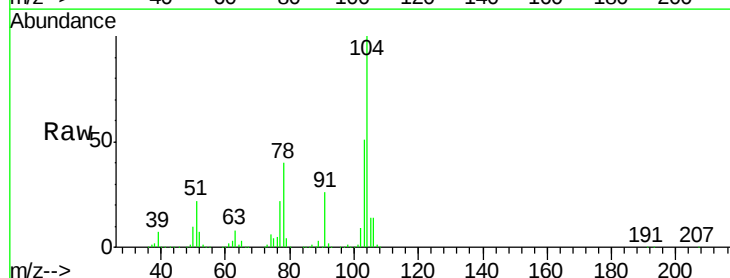
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

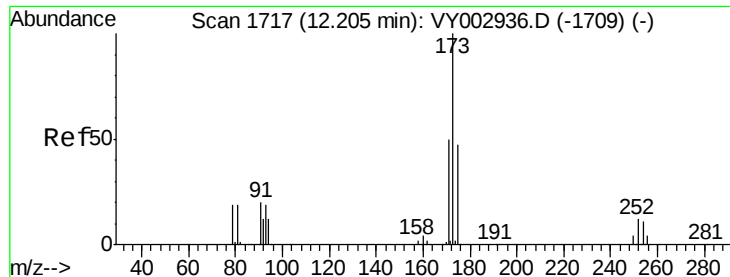
Tgt Ion:106 Resp: 258733
Ion Ratio Lower Upper
106 100
91 204.0 102.1 306.1



#70
Styrene
Concen: 47.410 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion:104 Resp: 448084
Ion Ratio Lower Upper
104 100
78 45.6 36.9 55.3
103 55.2 43.7 65.5





#71

Bromoform

Concen: 46.790 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

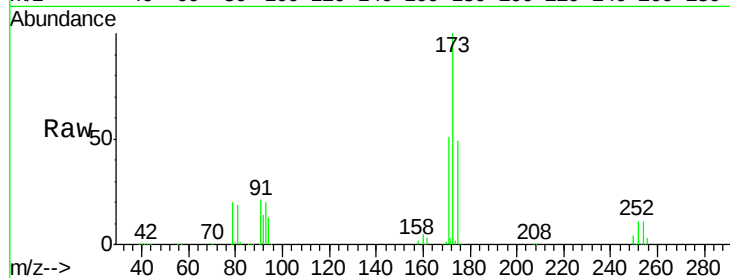
Tgt Ion:173 Resp: 102489

Ion Ratio Lower Upper

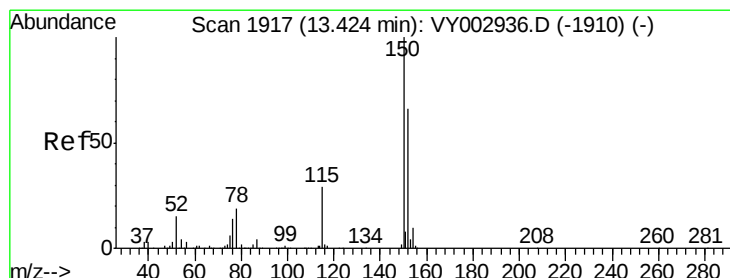
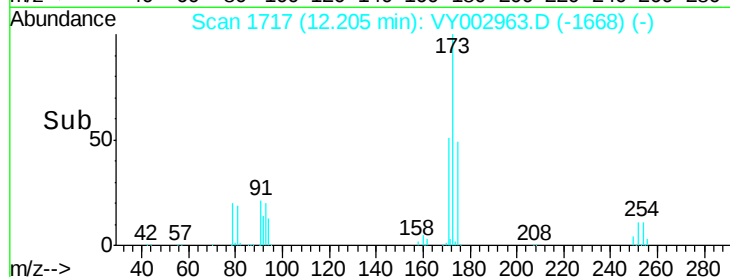
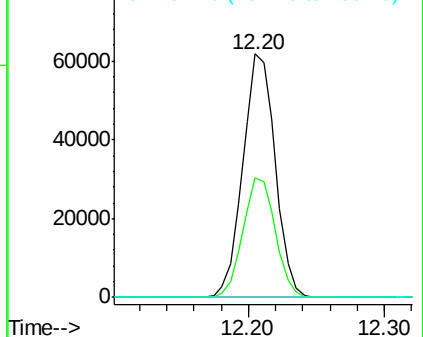
173 100

175 49.5 23.9 71.8

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

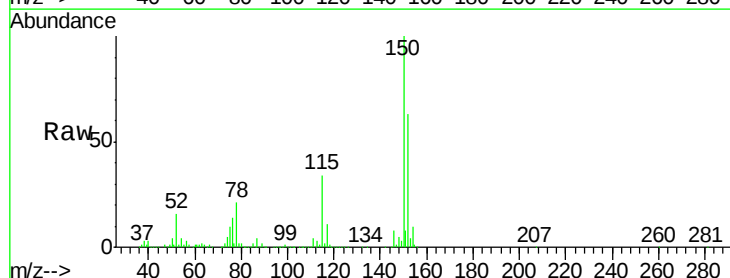
Tgt Ion:152 Resp: 246058

Ion Ratio Lower Upper

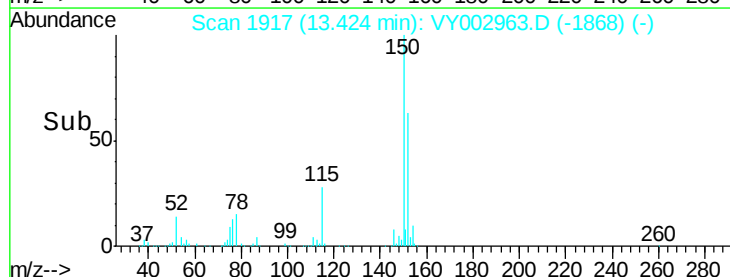
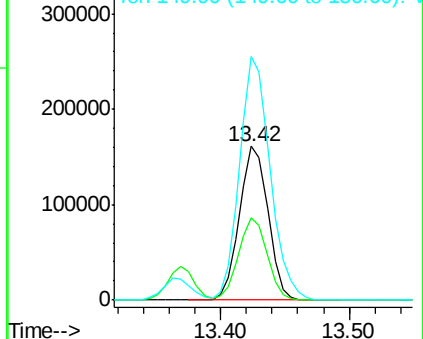
152 100

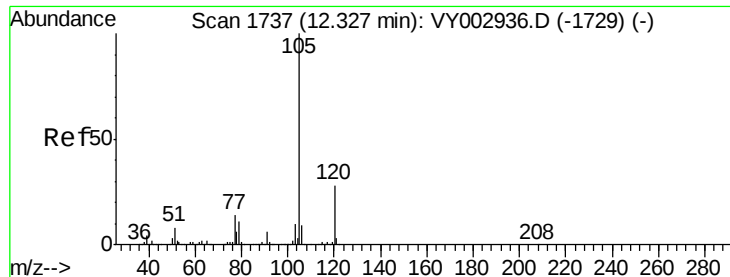
115 53.4 26.9 80.6

150 170.4 0.0 341.8



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: 46.730 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

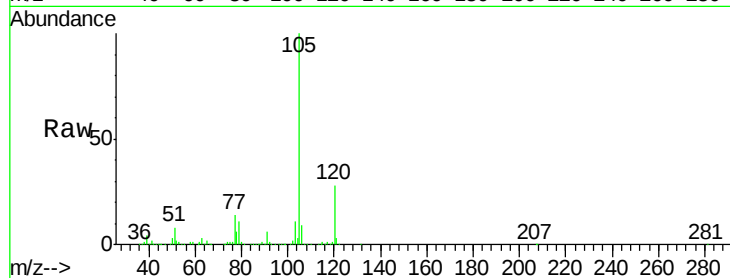
VSTDCCC050

Tgt Ion: 105 Resp: 704711

Ion Ratio Lower Upper

105 100

120 27.7 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

500000

400000

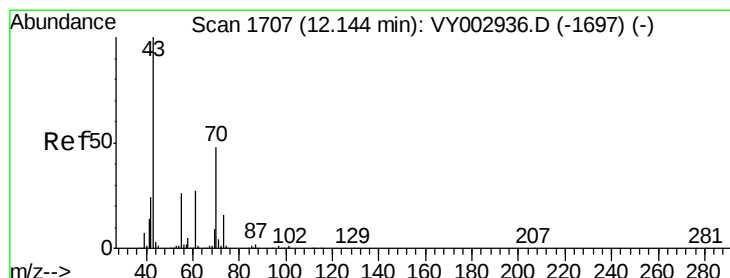
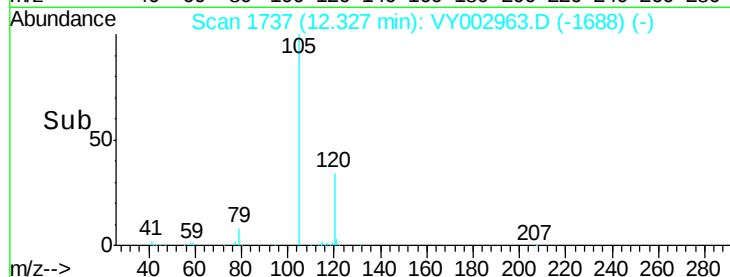
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 45.618 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Tgt Ion: 43 Resp: 177163

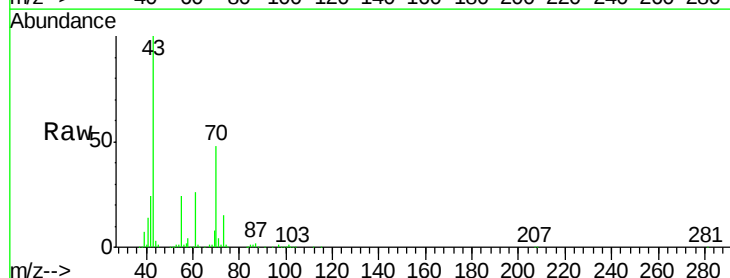
Ion Ratio Lower Upper

43 100

70 48.2 38.0 57.0

55 25.2 20.3 30.5

61 26.7 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

200000

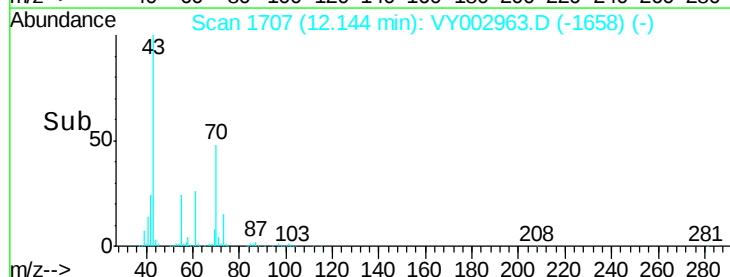
150000

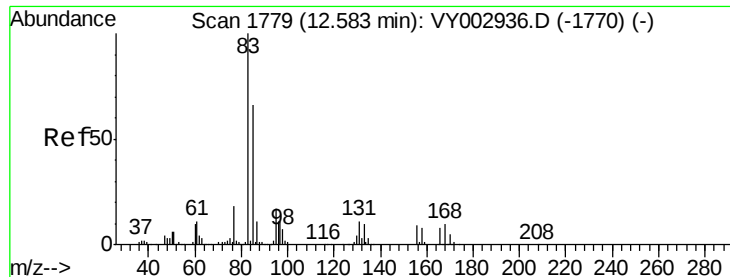
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.291 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

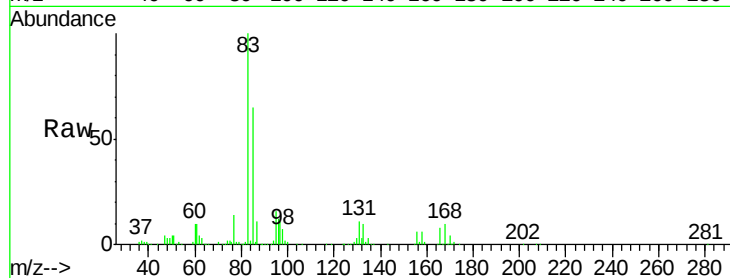
Tgt Ion: 83 Resp: 126632

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.7

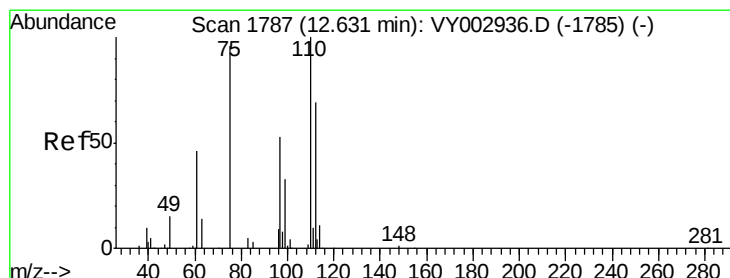
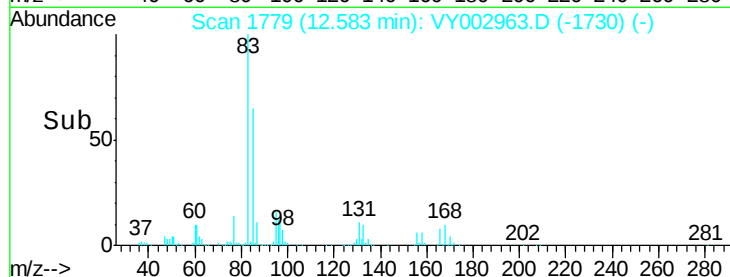
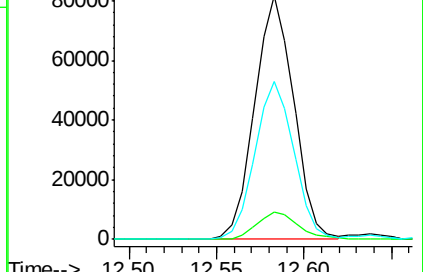
85 64.6 32.8 98.3



Abundance Ion 82.90 (82.60 to 83.60): VY002963.D (-1770) (-)

Ion 130.80 (130.50 to 131.50): VY002963.D (-1770) (-)

Ion 84.90 (84.60 to 85.60): VY002963.D (-1770) (-)



#76

1,2,3-Trichloropropane

Concen: 86.259 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. 0.01 min

Lab File: VY002963.D

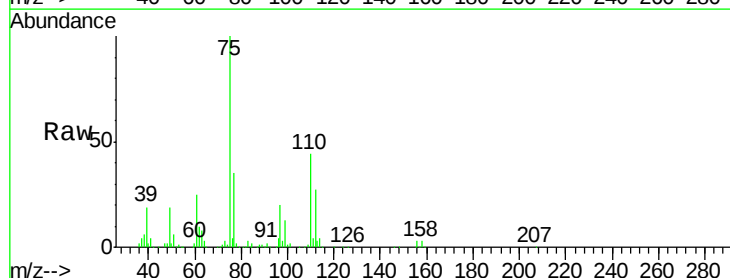
Acq: 22 Jun 2020 10:35

Tgt Ion: 75 Resp: 184845

Ion Ratio Lower Upper

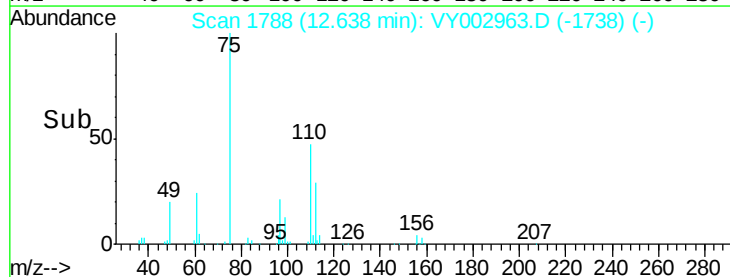
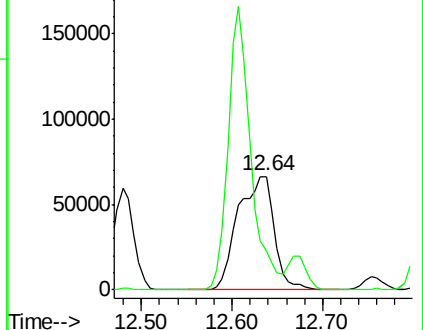
75 100

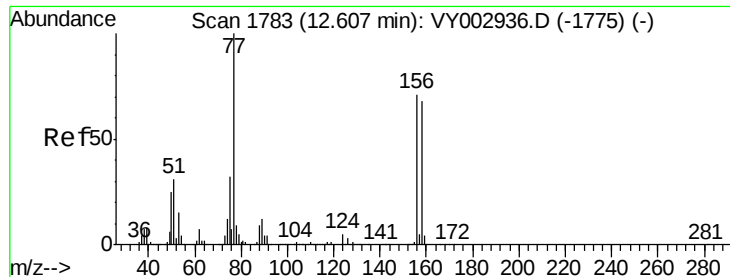
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002963.D (-1785) (-)

Ion 77.00 (76.70 to 77.70): VY002963.D (-1785) (-)

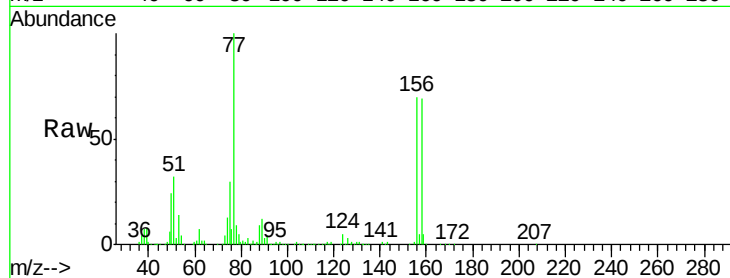




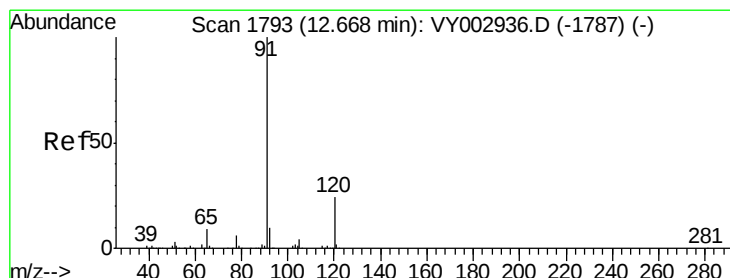
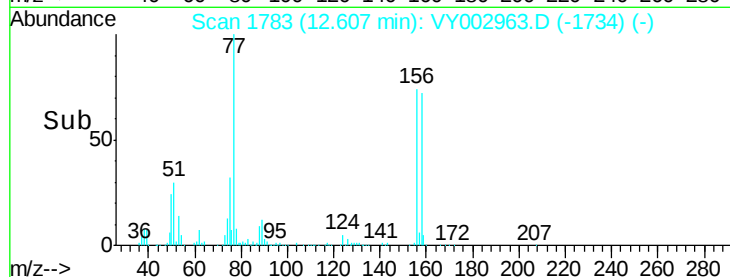
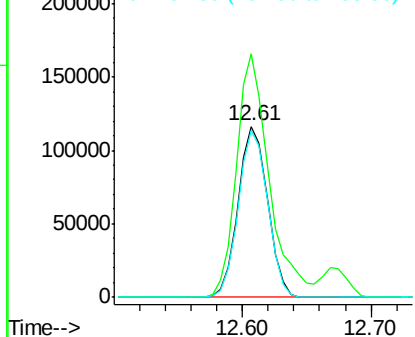
#77
Bromobenzene
Concen: 46.504 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 156 Resp: 183612
Ion Ratio Lower Upper
156 100
77 159.6 80.5 241.5
158 97.1 48.2 144.6

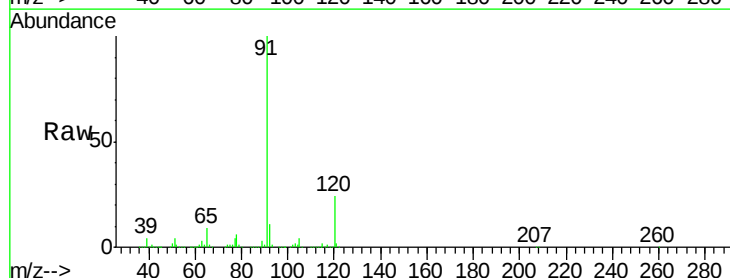


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V

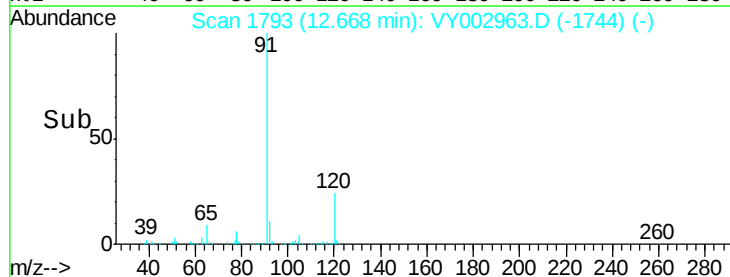
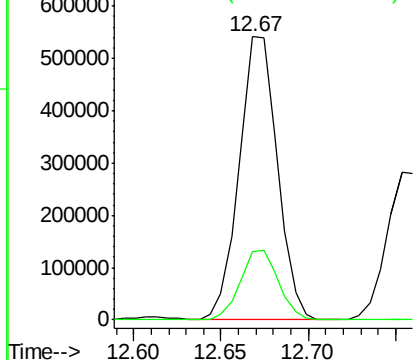


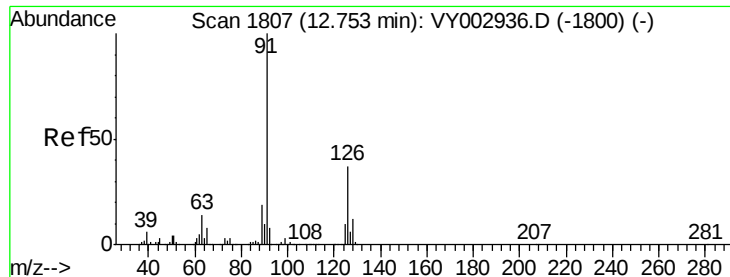
#78
n-propylbenzene
Concen: 47.045 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion: 91 Resp: 823091
Ion Ratio Lower Upper
91 100
120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V

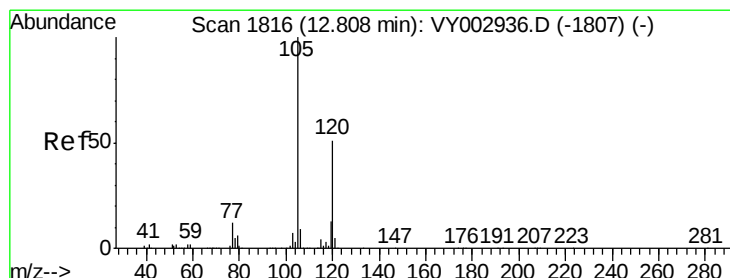
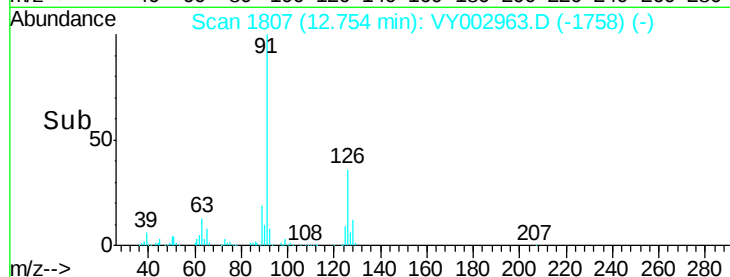
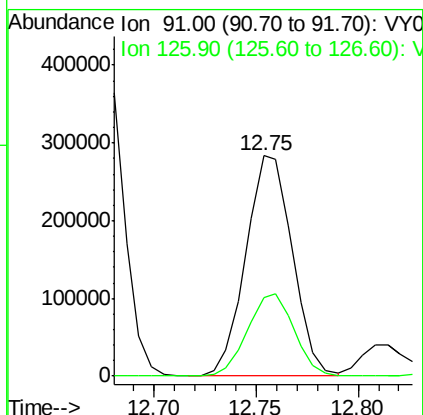
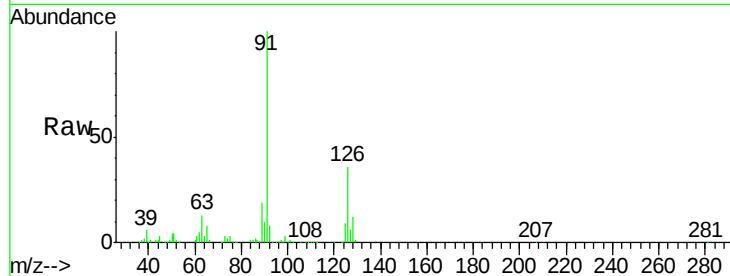




#79
 2-Chlorotoluene
 Concen: 45.945 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

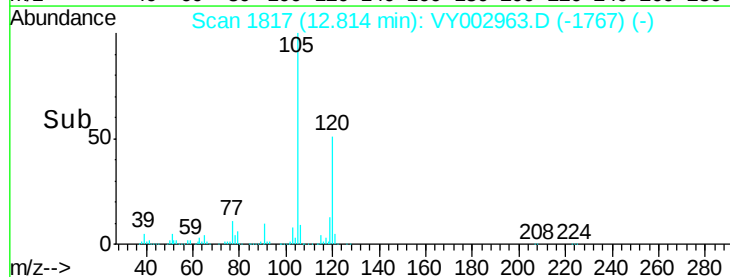
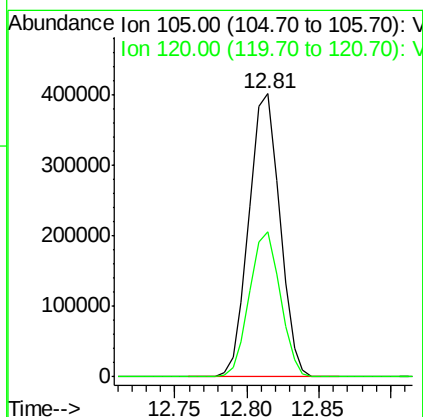
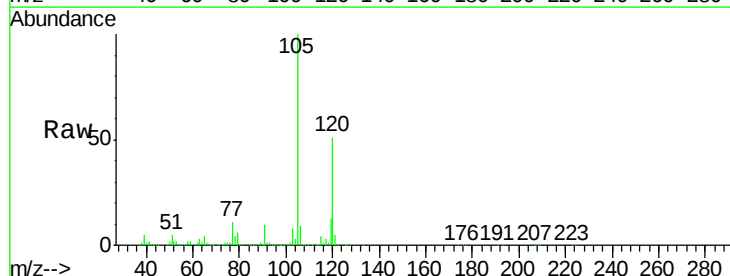
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

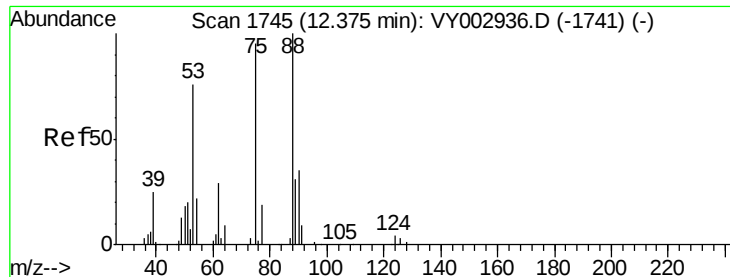
Tgt Ion: 91 Resp: 450228
 Ion Ratio Lower Upper
 91 100
 126 37.1 18.5 55.5



#80
 1,3,5-Trimethylbenzene
 Concen: 47.427 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

Tgt Ion: 105 Resp: 596236
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.417 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

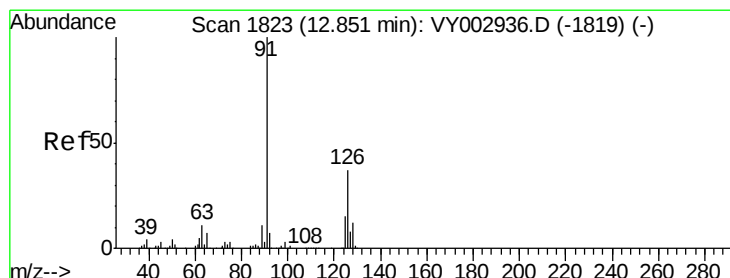
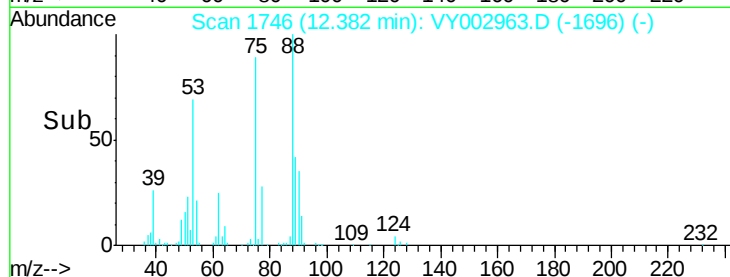
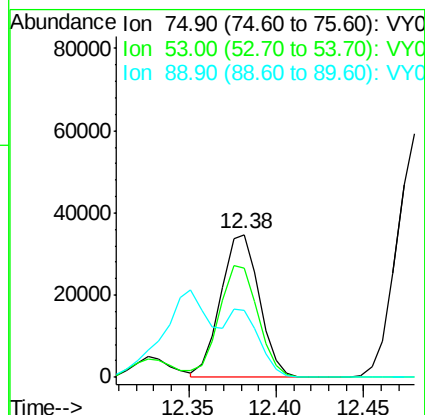
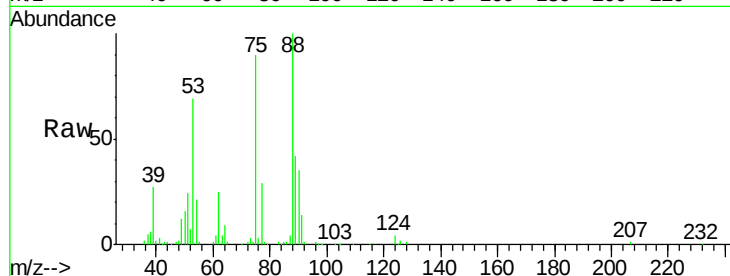
Tgt Ion: 75 Resp: 53221

Ion Ratio Lower Upper

75 100

53 79.2 65.1 97.7

89 36.5 38.4 57.6#



#82

4-Chlorotoluene

Concen: 46.601 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY002963.D

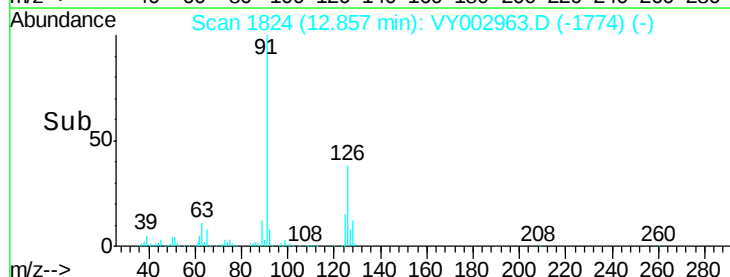
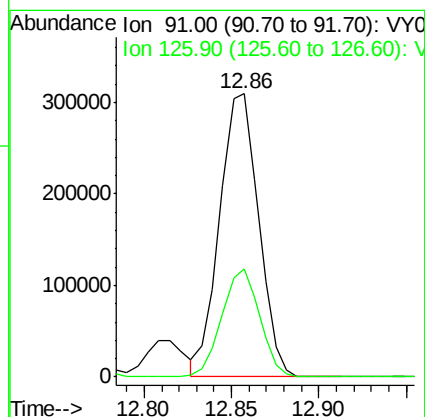
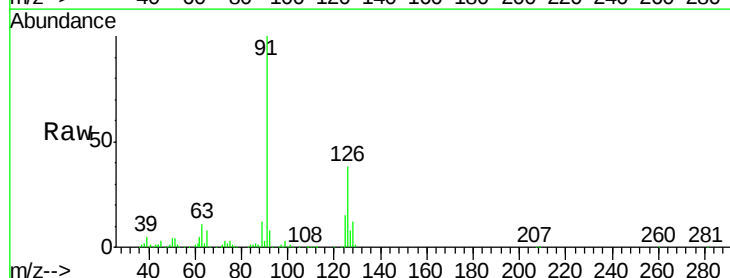
Acq: 22 Jun 2020 10:35

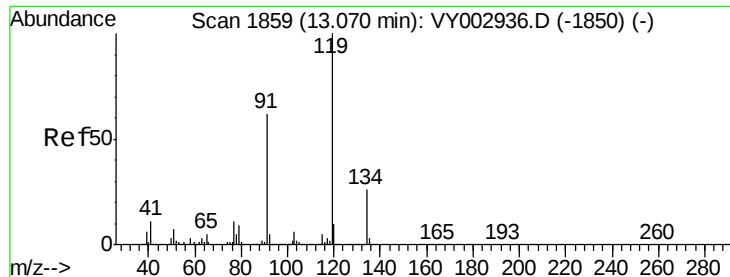
Tgt Ion: 91 Resp: 480243

Ion Ratio Lower Upper

91 100

126 37.0 18.6 55.8

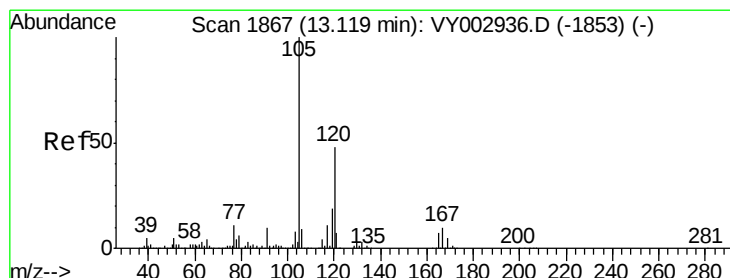
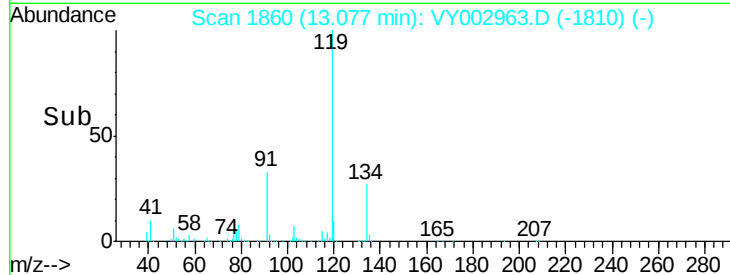
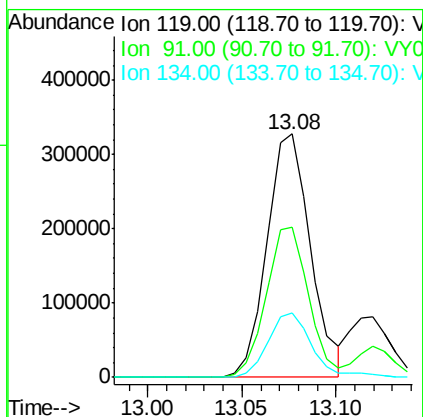
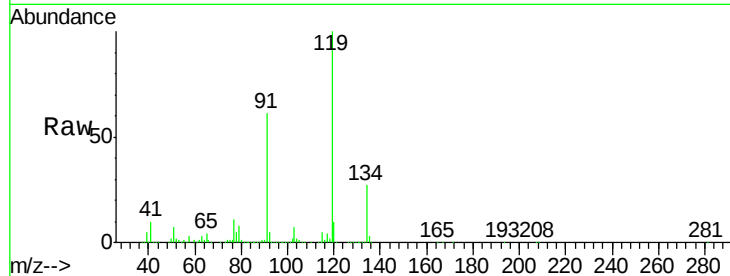




#83
 tert-Butylbenzene
 Concen: 46.782 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.01 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

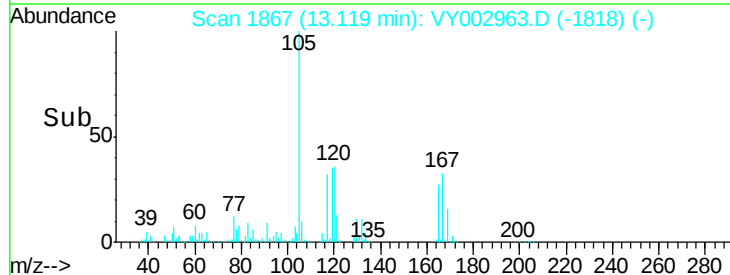
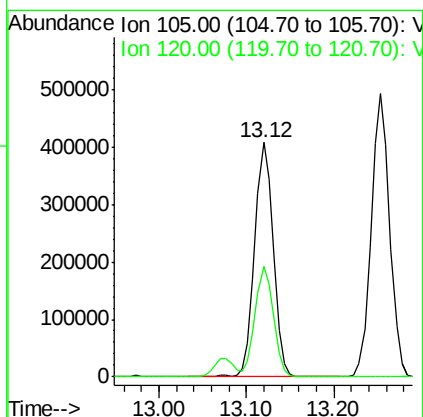
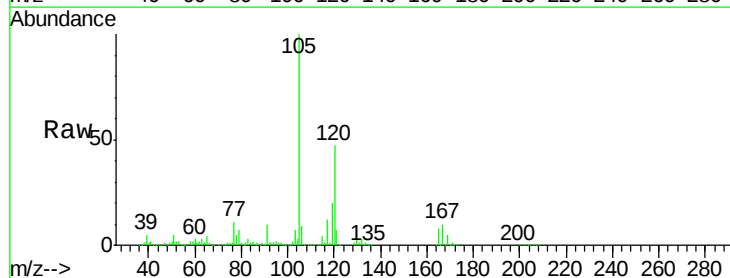
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

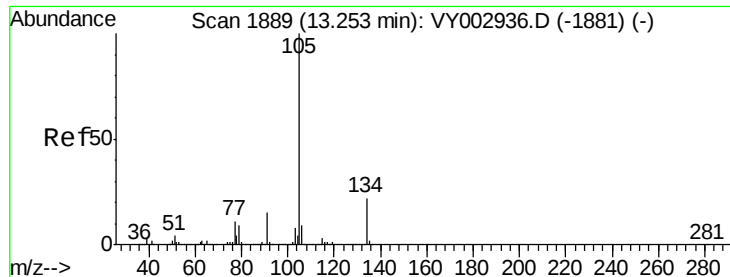
Tgt Ion:119 Resp: 526800
 Ion Ratio Lower Upper
 119 100
 91 59.8 29.9 89.7
 134 27.0 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 47.460 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

Tgt Ion:105 Resp: 600381
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.5 70.5

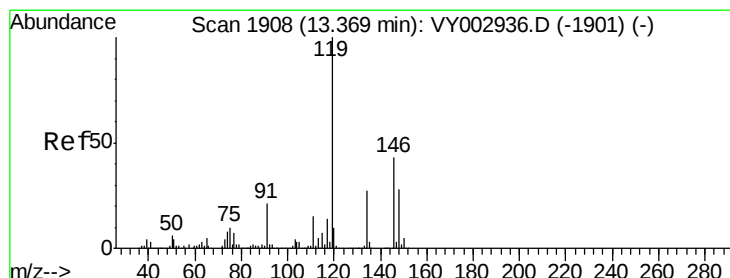
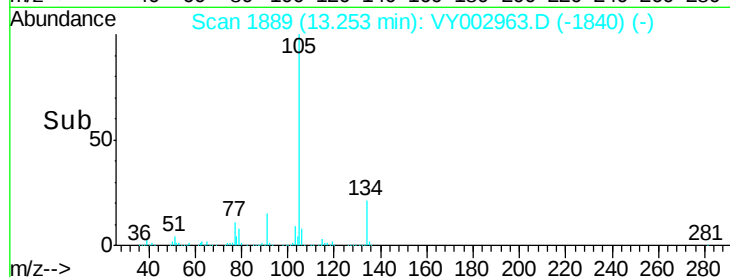
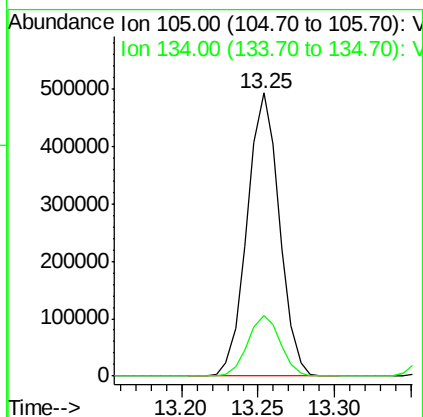
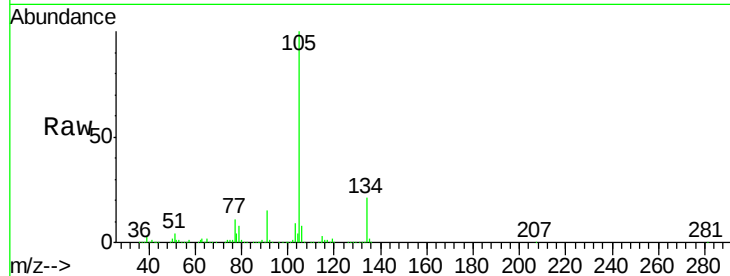




#85
 sec-Butylbenzene
 Concen: 47.215 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

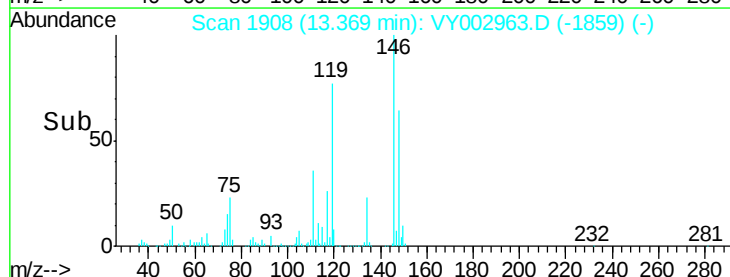
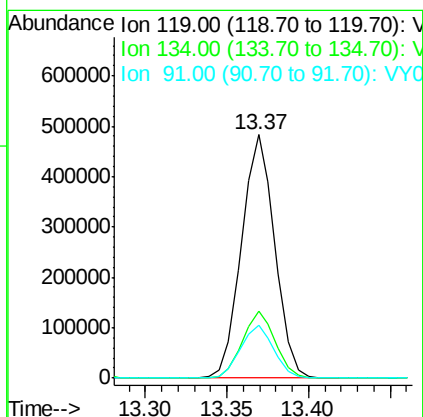
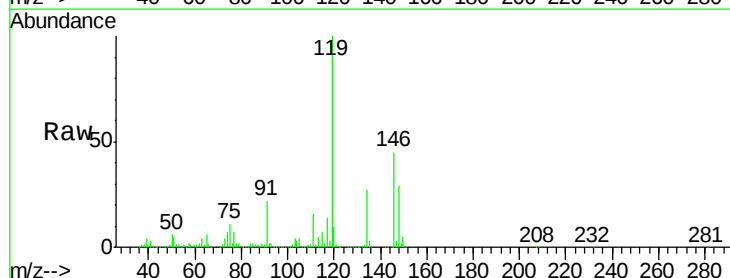
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

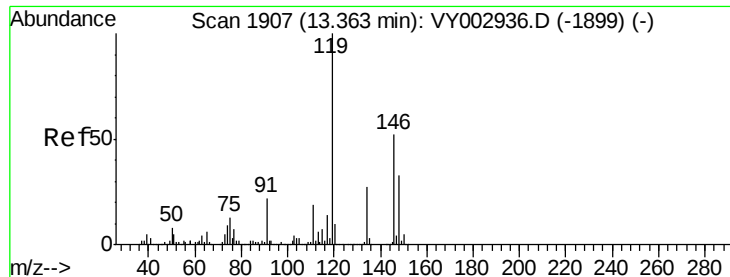
Tgt Ion:105 Resp: 723239
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 47.554 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

Tgt Ion:119 Resp: 683273
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.8
 91 21.6 10.8 32.4

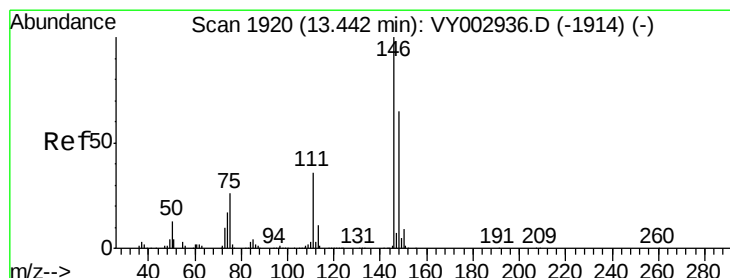
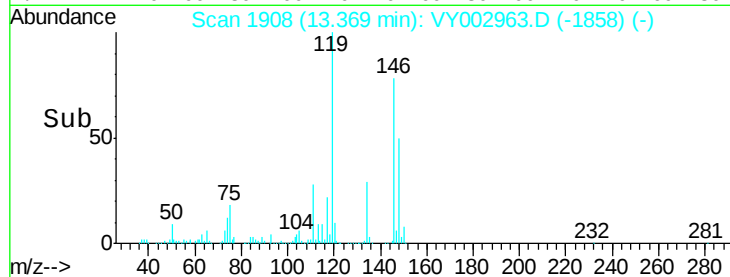
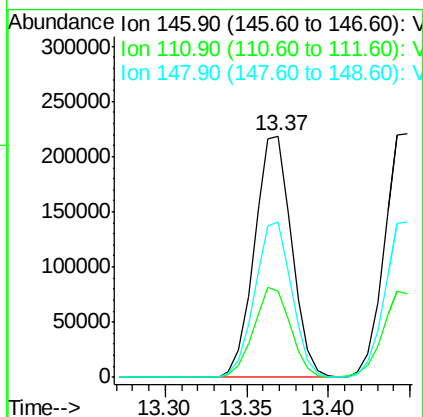
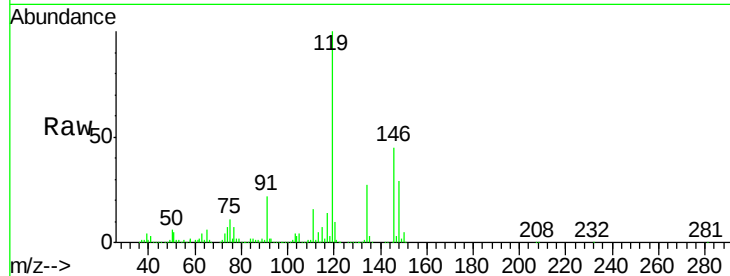




#87
 1,3-Dichlorobenzene
 Concen: 46.510 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

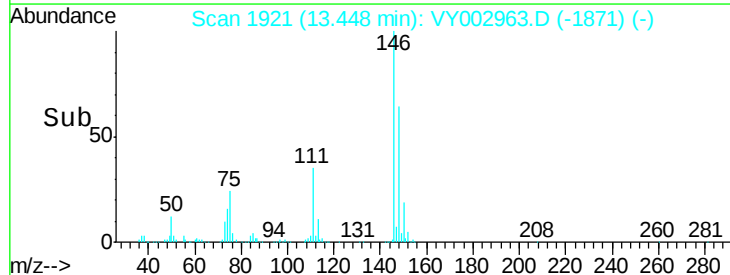
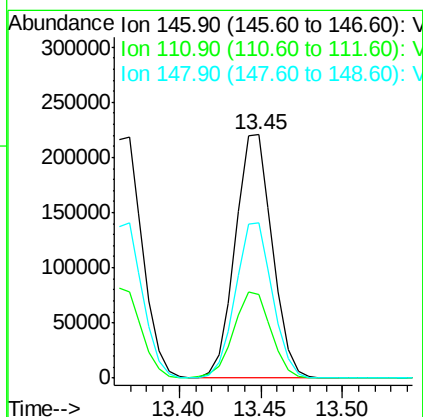
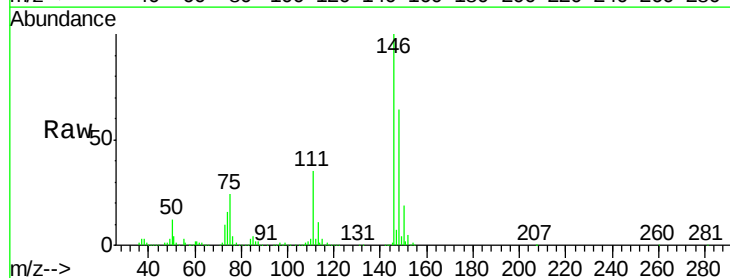
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

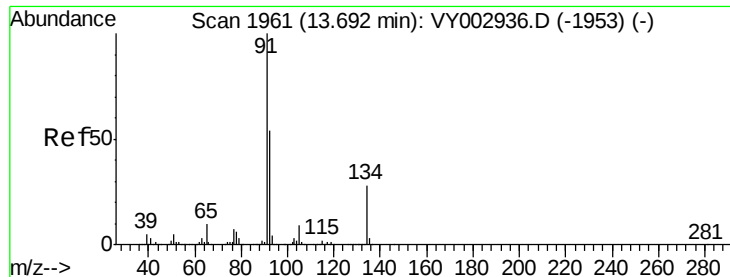
Tgt Ion:146 Resp: 346144
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.2 54.6
 148 63.9 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 46.678 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

Tgt Ion:146 Resp: 347873
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.9 53.8
 148 63.4 32.1 96.5





#89

n-Butylbenzene

Concen: 47.194 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

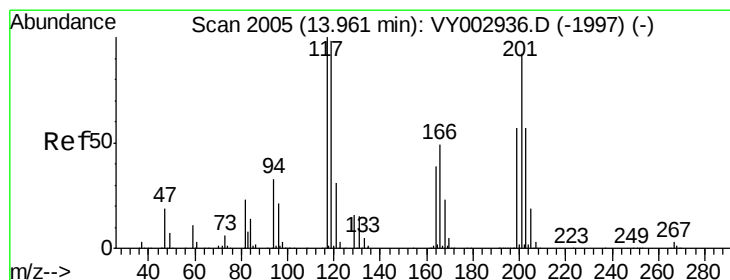
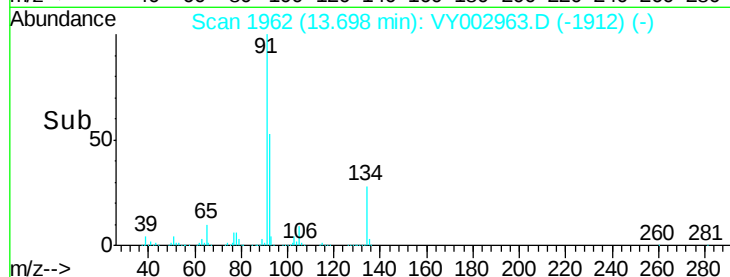
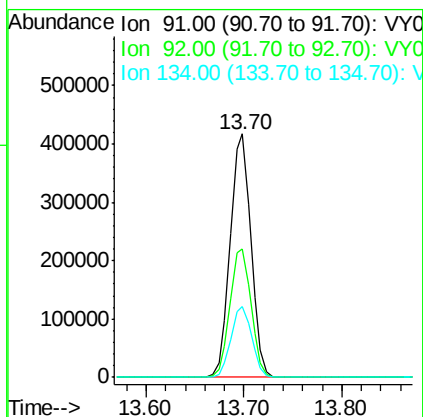
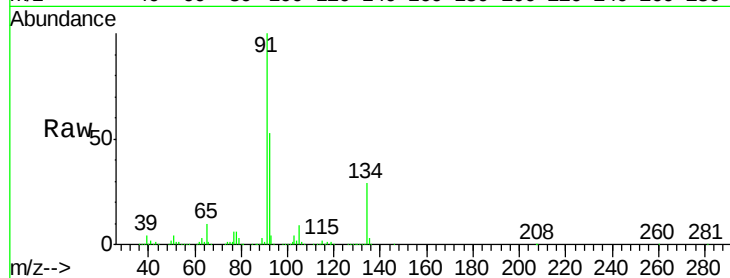
Tgt Ion: 91 Resp: 613007

Ion Ratio Lower Upper

91 100

92 53.9 27.0 80.8

134 29.2 14.5 43.5



#90

Hexachloroethane

Concen: 46.856 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. 0.00 min

Lab File: VY002963.D

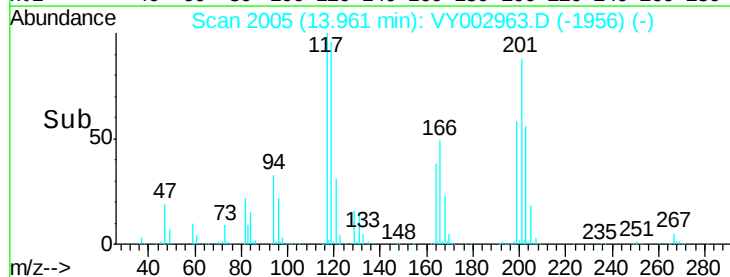
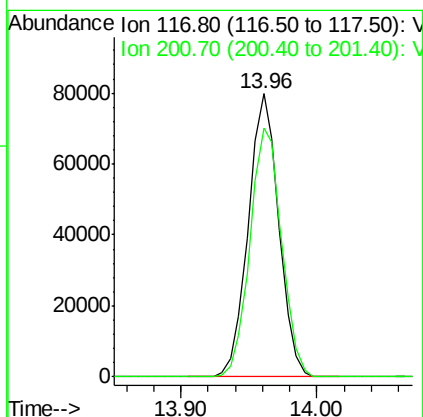
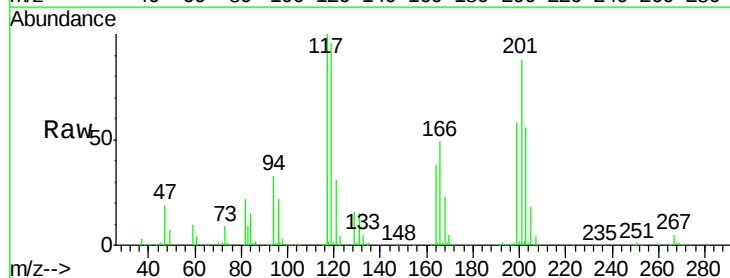
Acq: 22 Jun 2020 10:35

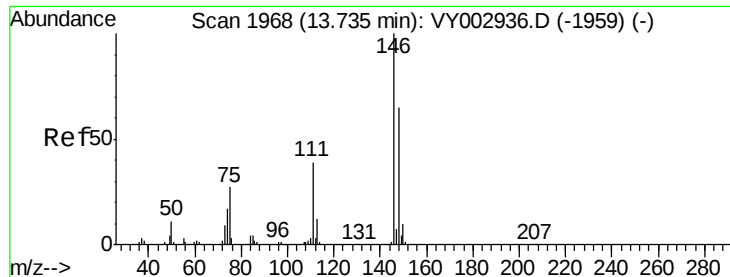
Tgt Ion: 117 Resp: 125400

Ion Ratio Lower Upper

117 100

201 90.9 45.1 135.5

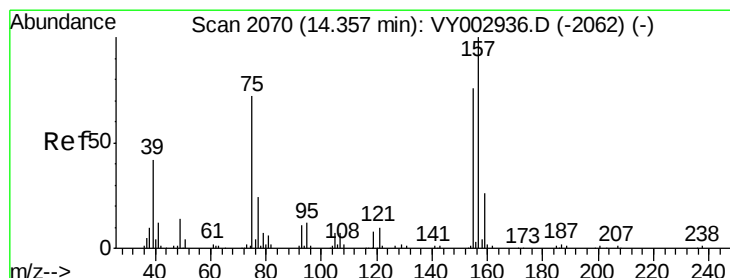
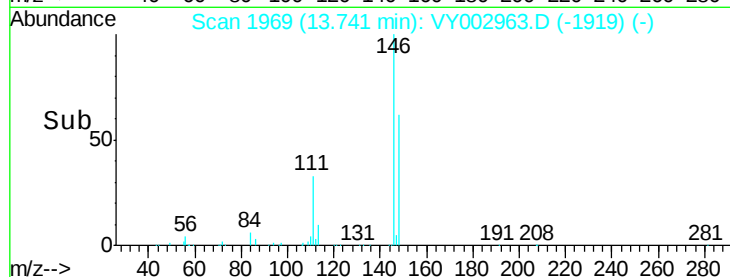
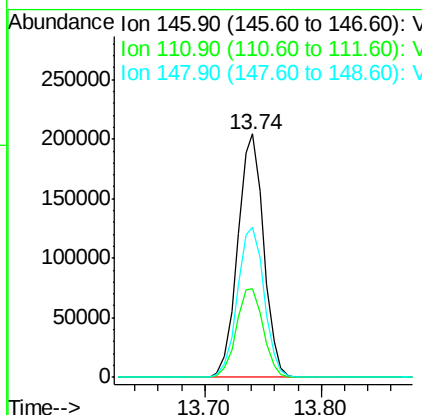
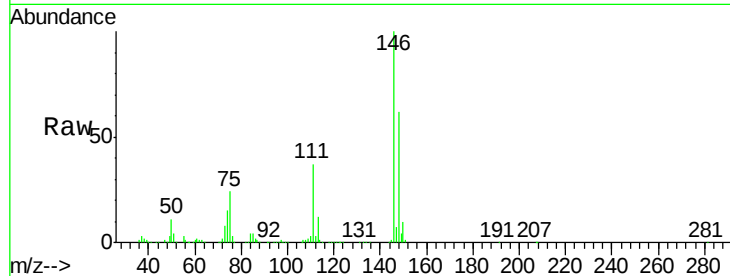




#91
 1,2-Dichlorobenzene
 Concen: 46.739 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

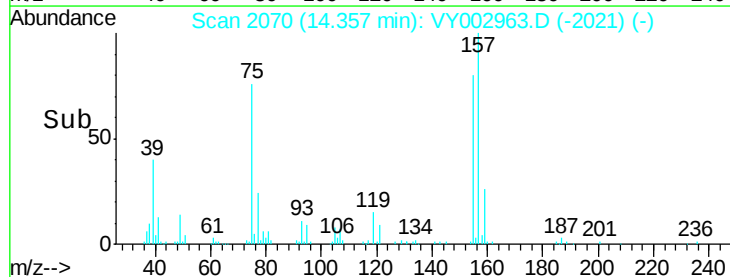
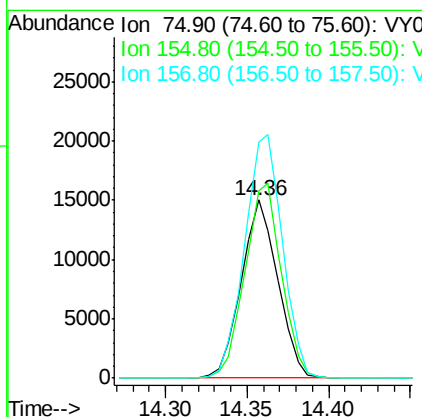
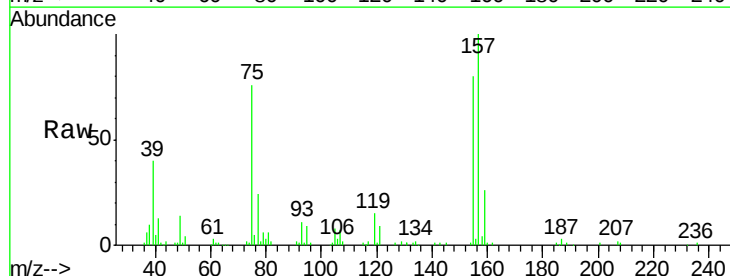
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

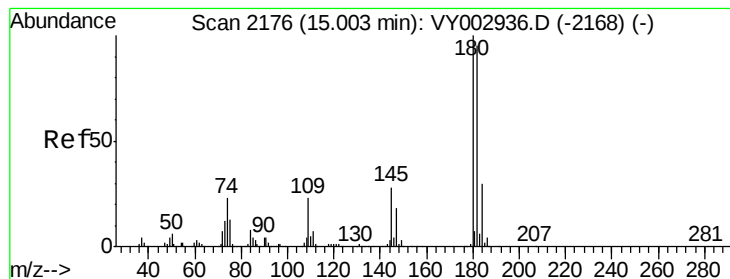
Tgt Ion: 146 Resp: 316590
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.9 56.9
 148 63.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.993 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002963.D
 Acq: 22 Jun 2020 10:35

Tgt Ion: 75 Resp: 23502
 Ion Ratio Lower Upper
 75 100
 155 109.0 53.1 159.4
 157 141.2 69.0 206.9





#93

1,2,4-Trichlorobenzene

Concen: 46.886 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. 0.01 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

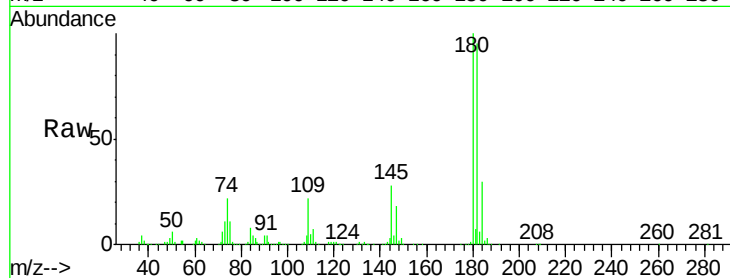
Tgt Ion:180 Resp: 238313

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.6

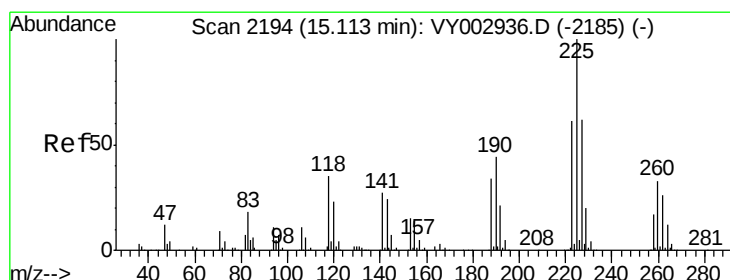
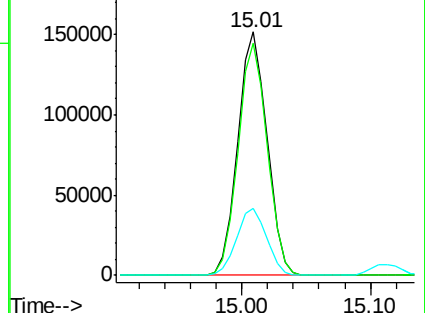
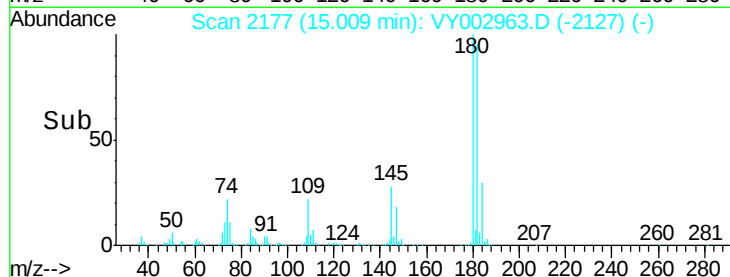
145 28.5 14.1 42.3



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: 46.293 ug/l

RT: 15.11 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VY002963.D

Acq: 22 Jun 2020 10:35

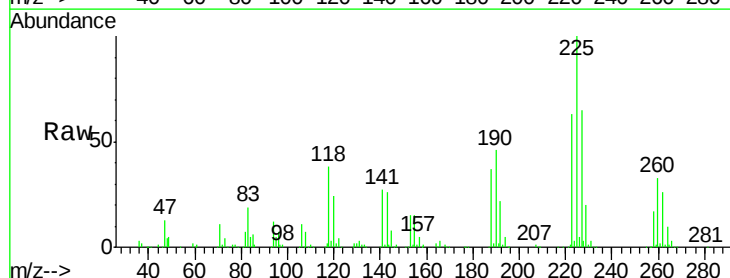
Tgt Ion:225 Resp: 135622

Ion Ratio Lower Upper

225 100

223 63.7 31.3 93.8

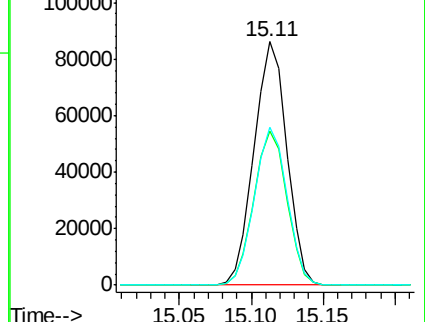
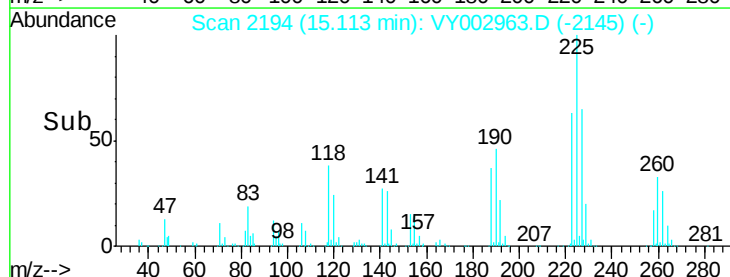
227 64.7 31.9 95.7

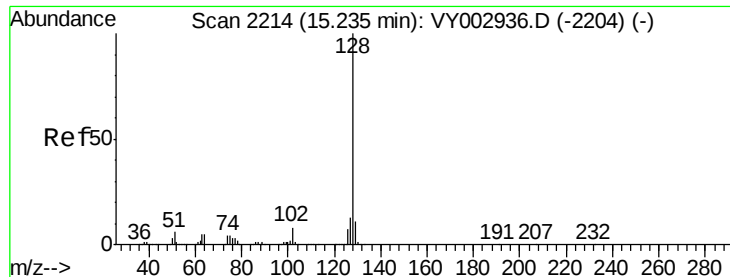


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

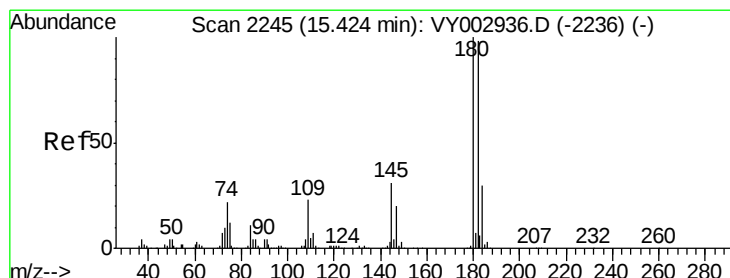
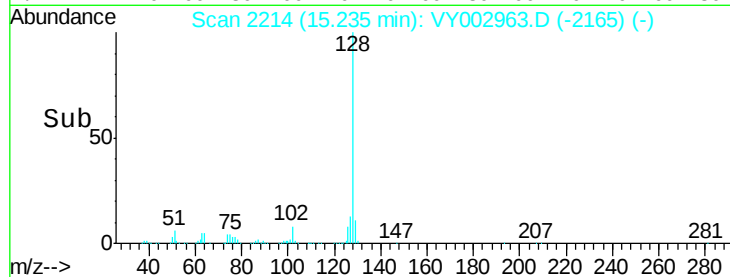
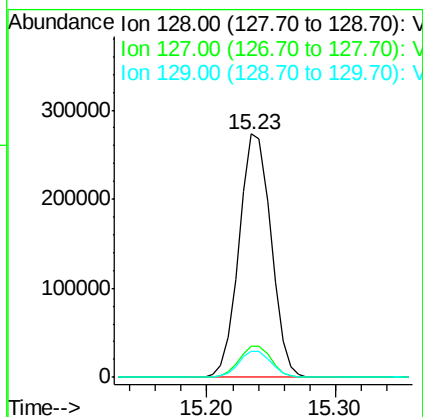
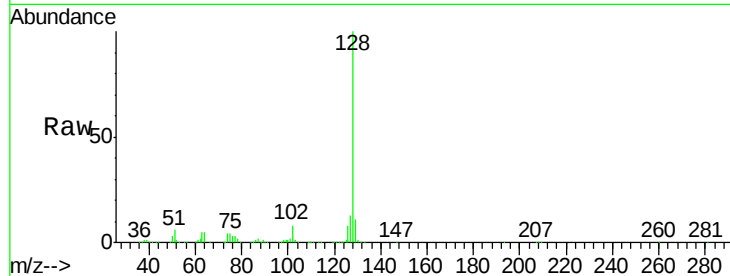




#95
Naphthalene
Concen: 46.254 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 468573
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 46.149 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002963.D
Acq: 22 Jun 2020 10:35

Tgt Ion:180 Resp: 209277
Ion Ratio Lower Upper
180 100
182 96.3 47.8 143.3
145 30.5 15.0 45.0

