

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY030220\
 Data File : VY001823.D
 Acq On : 02 Mar 2020 17:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 02 17:56:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	185113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	337614	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	301609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	141126	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	103606	52.03	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.06%	
35) Dibromofluoromethane	7.74	113	97054	50.19	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.19	98	397404	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.49	95	142913	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	90628	50.23	ug/l	99
3) Chloromethane	2.12	50	118812	48.95	ug/l	99
4) Vinyl Chloride	2.26	62	115206	47.06	ug/l	100
5) Bromomethane	2.66	94	73840	48.26	ug/l	99
6) Chloroethane	2.80	64	71568	47.44	ug/l	100
7) Trichlorofluoromethane	3.14	101	159894	51.03	ug/l	99
8) Diethyl Ether	3.54	74	65847	53.31	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	101323	51.45	ug/l	99
10) Methyl Iodide	4.11	142	115268	47.83	ug/l	99
11) Tert butyl alcohol	4.97	59	56952	246.55	ug/l	98
12) 1,1-Dichloroethene	3.89	96	101613	50.59	ug/l	98
13) Acrolein	3.75	56	55030	273.65	ug/l	99
14) Allyl chloride	4.50	41	184961	51.74	ug/l	99
15) Acrylonitrile	5.19	53	177319	280.08	ug/l	100
16) Acetone	3.97	43	153045	222.14	ug/l	99
17) Carbon Disulfide	4.21	76	304121	45.35	ug/l	99
18) Methyl Acetate	4.50	43	82197	54.78	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	300449	53.73	ug/l	97
20) Methylene Chloride	4.74	84	125483	51.28	ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	115583	50.44	ug/l	97
22) Diisopropyl ether	6.14	45	390171	53.15	ug/l	99
23) Vinyl Acetate	6.08	43	1281811	267.69	ug/l	99
24) 1,1-Dichloroethane	6.04	63	208207	53.07	ug/l	98
25) 2-Butanone	7.00	43	234251	250.29	ug/l	100
26) 2,2-Dichloropropane	7.00	77	172524	50.54	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	131058	51.81	ug/l	100
28) Bromochloromethane	7.35	49	90627	55.45	ug/l	98
29) Tetrahydrofuran	7.36	42	151815	268.37	ug/l	100
30) Chloroform	7.52	83	199853	52.13	ug/l	100
31) Cyclohexane	7.80	56	199323	47.65	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	165785	51.45	ug/l	99
36) 1,1-Dichloropropene	7.93	75	160929	49.90	ug/l	99
37) Ethyl Acetate	7.09	43	101414	52.69	ug/l	100
38) Carbon Tetrachloride	7.91	117	140972	49.77	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	207404	48.48	ug/l	98
40) Benzene	8.17	78	488800	51.54	ug/l	100
41) Methacrylonitrile	7.36	41	136175	140.90	ug/l #	31
42) 1,2-Dichloroethane	8.25	62	131570	50.92	ug/l	100
43) Isopropyl Acetate	8.28	43	193832	53.08	ug/l	99
44) Trichloroethene	8.95	130	118929	50.23	ug/l	100
45) 1,2-Dichloropropane	9.22	63	126305	53.17	ug/l	100
46) Dibromomethane	9.31	93	65491	52.71	ug/l	98
47) Bromodichloromethane	9.50	83	155710	51.93	ug/l	99
48) Methyl methacrylate	9.30	41	85880	52.00	ug/l	98
49) 1,4-Dioxane	9.31	88	18126	1032.98	ug/l	95
51) 4-Methyl-2-Pentanone	10.08	43	499057	265.97	ug/l	100
52) Toluene	10.25	92	299838	50.68	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	170752	51.51	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	199094	52.19	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	97748	53.36	ug/l	100
56) Ethyl methacrylate	10.52	69	148574	54.06	ug/l	99
57) 1,3-Dichloropropane	10.80	76	174401	53.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	239629	230.35	ug/l	100
59) 2-Hexanone	10.84	43	358186	254.42	ug/l	99
60) Dibromochloromethane	10.99	129	104974	51.97	ug/l	99
61) 1,2-Dibromoethane	11.10	107	92292	53.28	ug/l	99
64) Tetrachloroethene	10.72	164	93735	49.51	ug/l	99
65) Chlorobenzene	11.52	112	311661	51.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	106088	52.23	ug/l	100
67) Ethyl Benzene	11.59	91	578957	51.81	ug/l	100
68) m/p-Xylenes	11.70	106	429249	102.83	ug/l	100
69) o-Xylene	12.03	106	206805	52.11	ug/l	98
70) Styrene	12.05	104	360638	52.29	ug/l	99
71) Bromoform	12.21	173	60814	52.39	ug/l #	100
73) Isopropylbenzene	12.33	105	550056	51.16	ug/l	100
74) N-amyl acetate	12.15	43	180059	52.48	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	125080	54.49	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	158026	97.61	ug/l #	100
77) Bromobenzene	12.61	156	119314	51.19	ug/l	98
78) n-propylbenzene	12.67	91	680665	51.98	ug/l	100
79) 2-Chlorotoluene	12.76	91	381224	51.91	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	461993	51.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	44698	52.38	ug/l	97
82) 4-Chlorotoluene	12.86	91	399071	51.52	ug/l	99
83) tert-Butylbenzene	13.08	119	394449	52.99	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	462311	52.11	ug/l	100
85) sec-Butylbenzene	13.26	105	565416	51.65	ug/l	100
86) p-Isopropyltoluene	13.38	119	490299	51.55	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	231036	51.11	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	232610	50.91	ug/l	100
89) n-Butylbenzene	13.70	91	505387	52.01	ug/l	99
90) Hexachloroethane	13.97	117	91626	51.14	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	213926	51.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	18981	50.10	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	136315	49.31	ug/l	99
94) Hexachlorobutadiene	15.12	225	64704	47.07	ug/l	99
95) Naphthalene	15.25	128	336880	52.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	122206	50.25	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

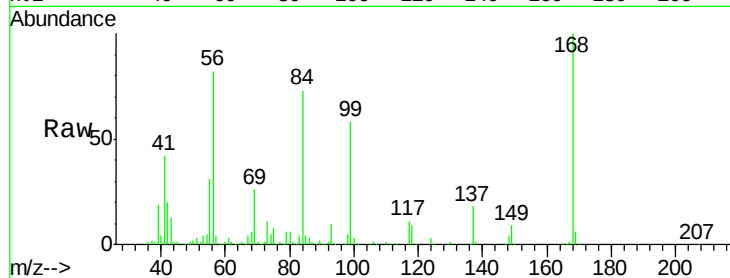
VSTDCCC050EC

Tgt Ion:168 Resp: 185113

Ion Ratio Lower Upper

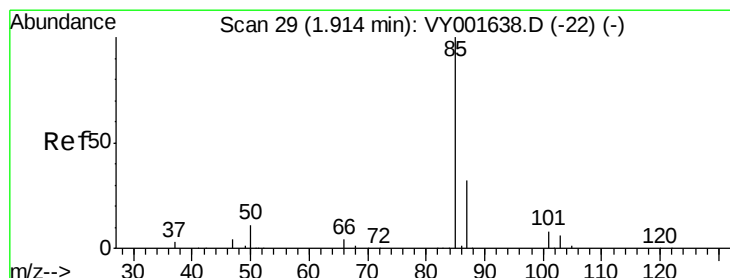
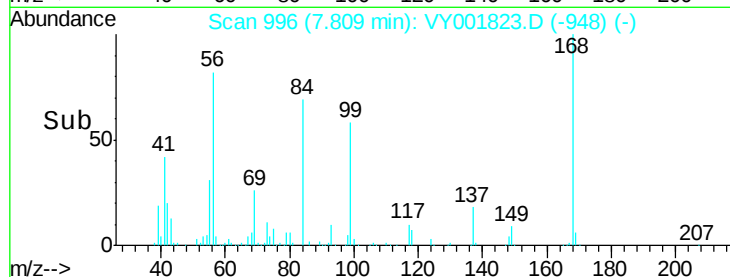
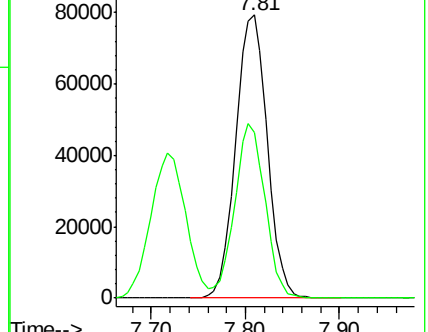
168 100

99 58.3 47.5 71.3



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

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



#2

Dichlorodifluoromethane

Concen: 50.23 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001823.D

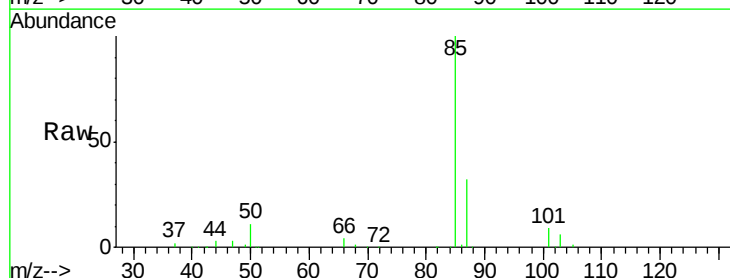
Acq: 02 Mar 2020 17:04

Tgt Ion: 85 Resp: 90628

Ion Ratio Lower Upper

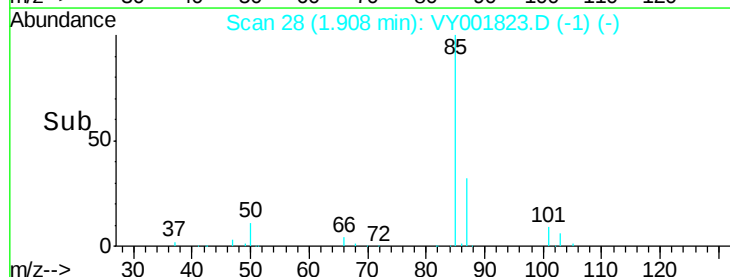
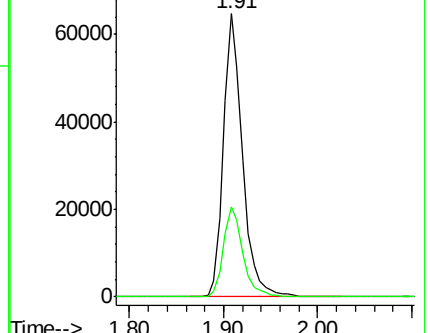
85 100

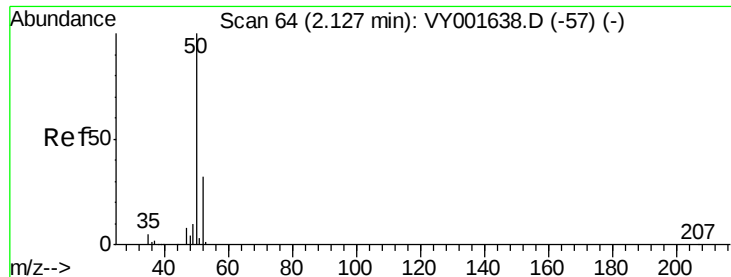
87 32.1 16.2 48.6



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

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





#3

Chloromethane

Concen: 48.95 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

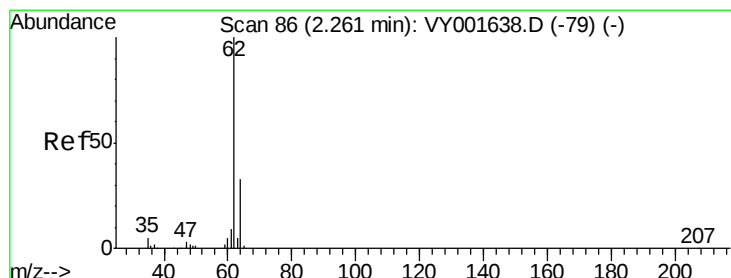
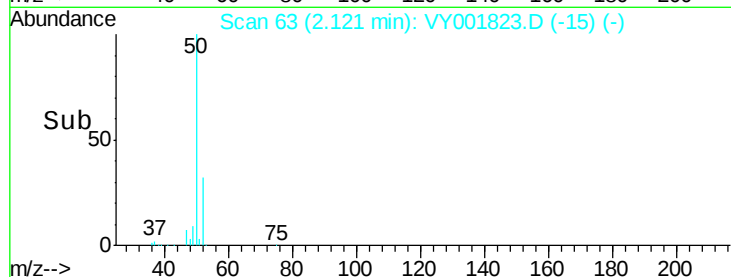
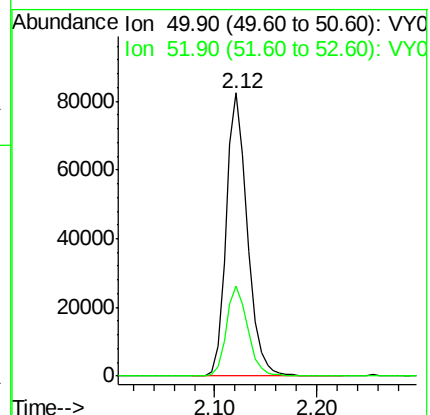
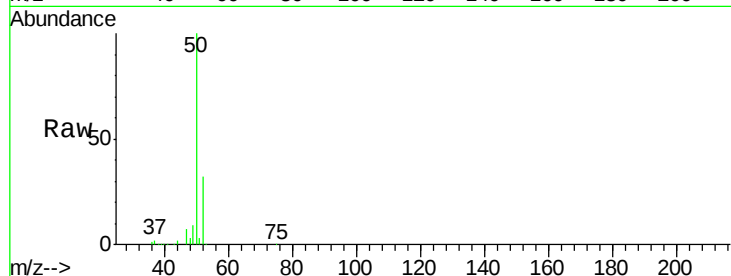
VSTDCCC050EC

Tgt Ion: 50 Resp: 118812

Ion Ratio Lower Upper

50 100

52 31.8 25.8 38.6



#4

Vinyl Chloride

Concen: 47.06 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY001823.D

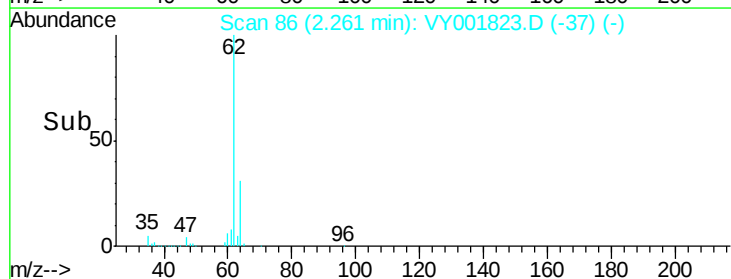
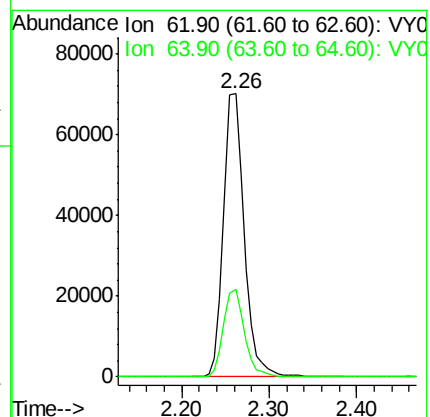
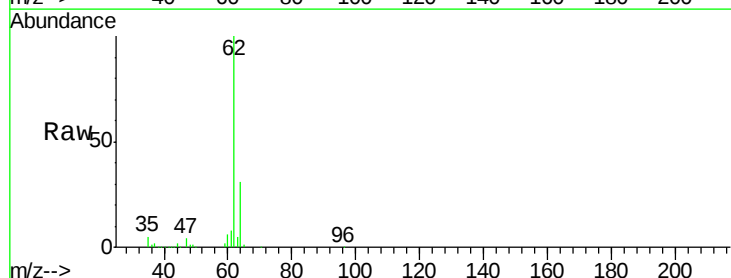
Acq: 02 Mar 2020 17:04

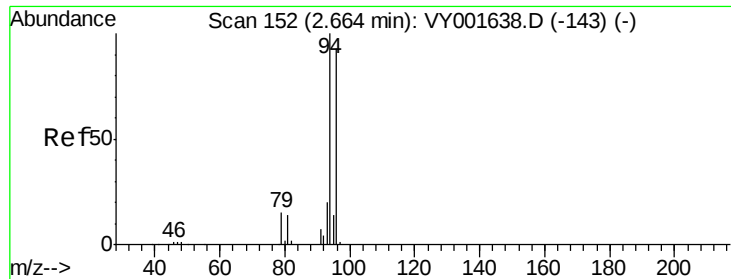
Tgt Ion: 62 Resp: 115206

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 48.26 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

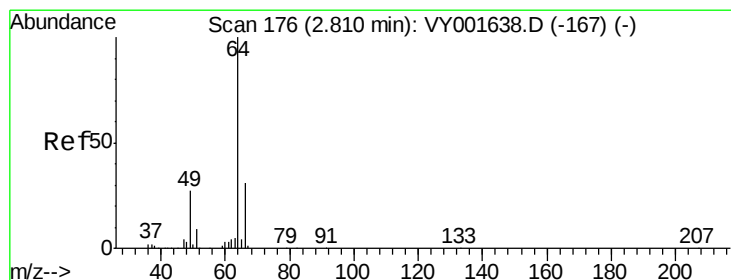
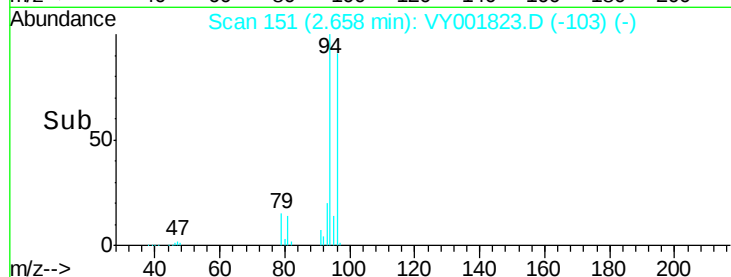
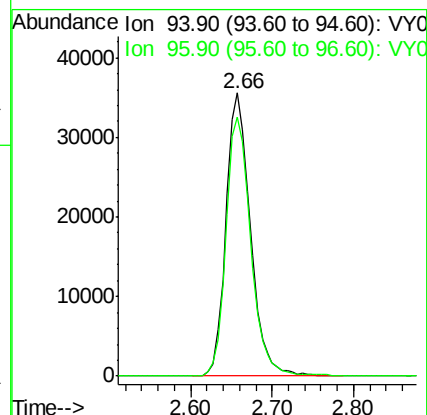
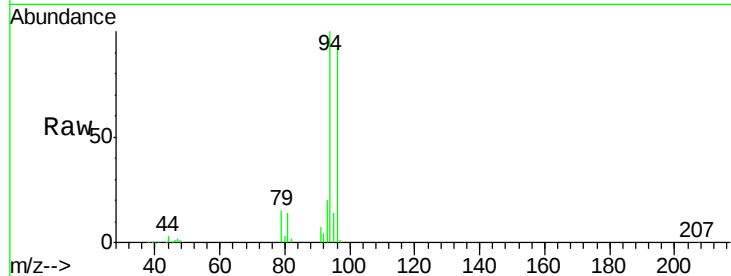
VSTDCCC050EC

Tgt Ion: 94 Resp: 73840

Ion Ratio Lower Upper

94 100

96 91.6 73.7 110.5



#6

Chloroethane

Concen: 47.44 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001823.D

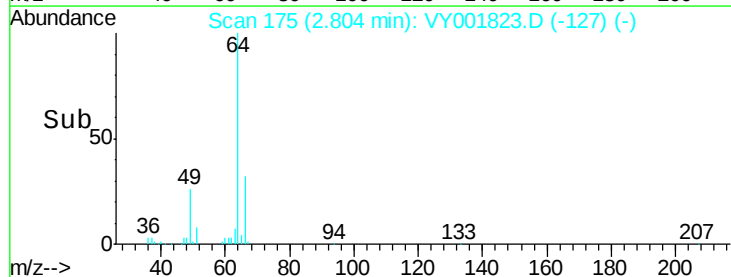
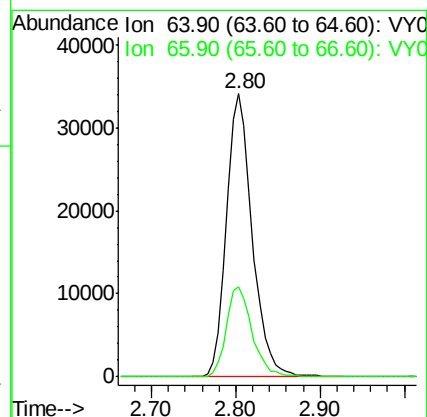
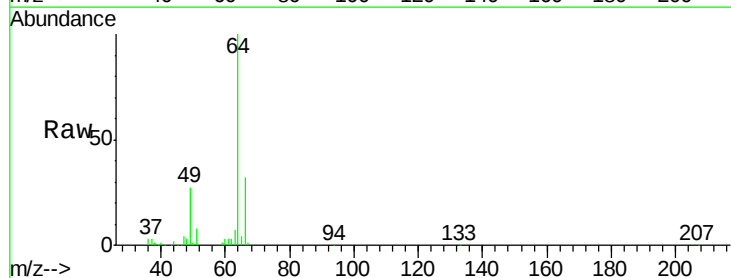
Acq: 02 Mar 2020 17:04

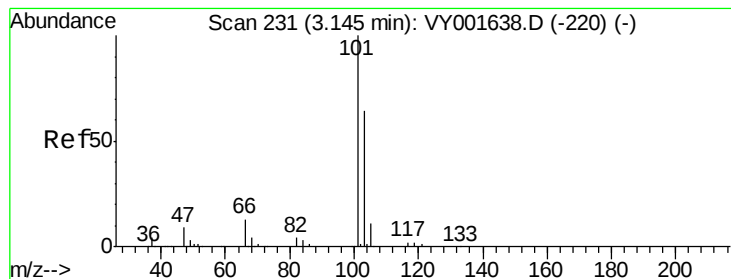
Tgt Ion: 64 Resp: 71568

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3



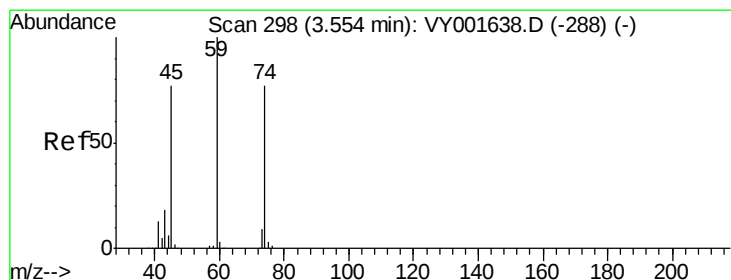
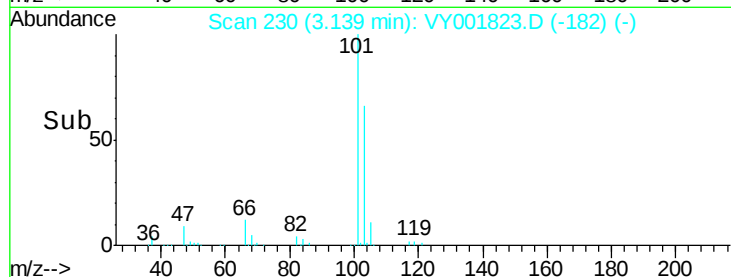
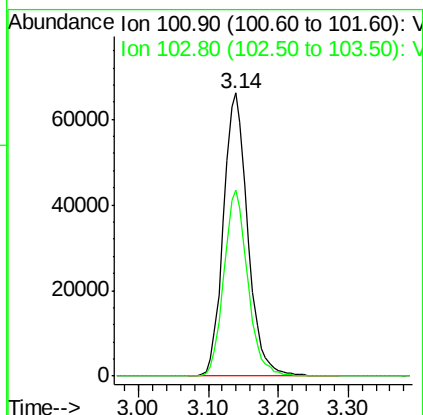
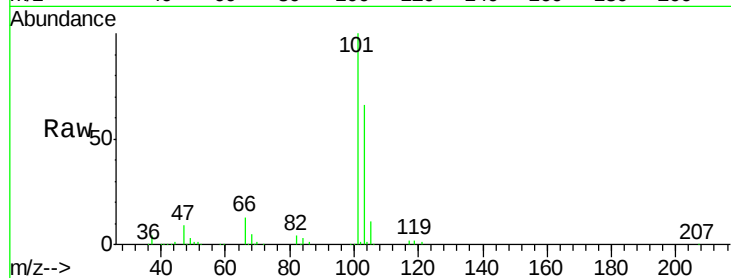


#7

Trichlorofluoromethane
 Concen: 51.03 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

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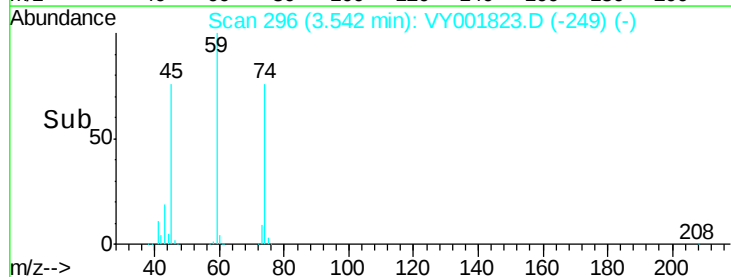
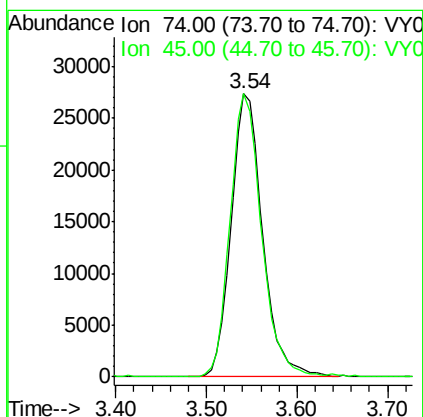
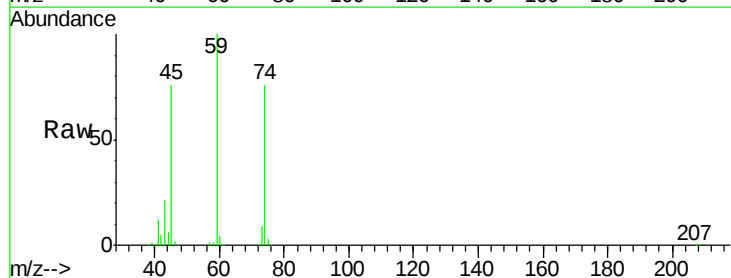
Tgt Ion:101 Resp: 159894
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.2

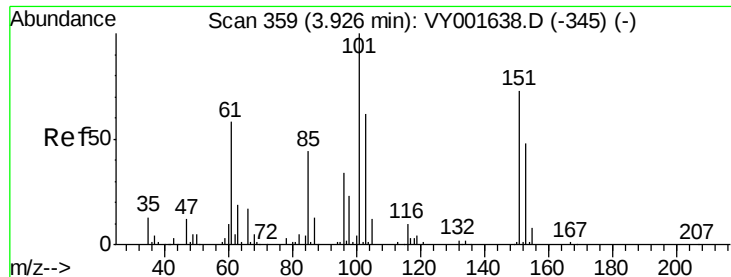


#8

Diethyl Ether
 Concen: 53.31 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion: 74 Resp: 65847
 Ion Ratio Lower Upper
 74 100
 45 100.4 49.6 148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.45 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

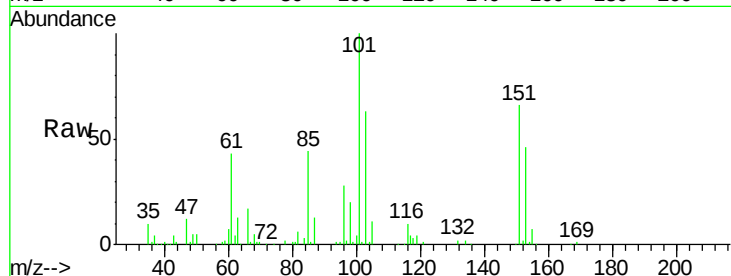
Tgt Ion:101 Resp: 101323

Ion Ratio Lower Upper

101 100

85 45.3 35.1 52.7

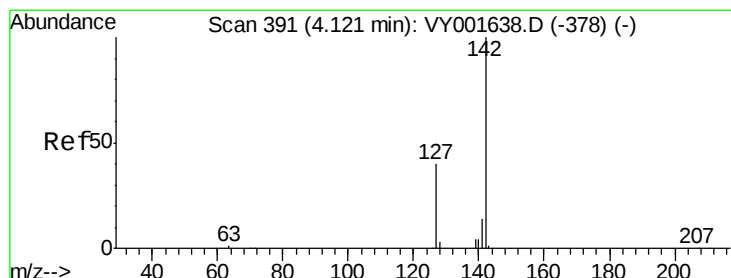
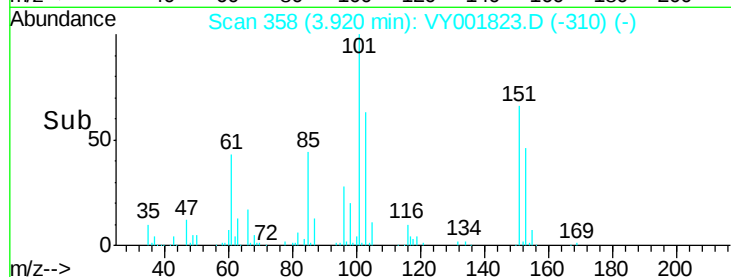
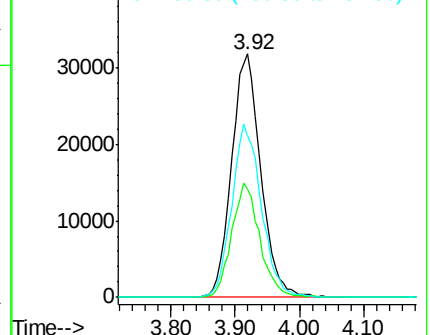
151 72.1 58.4 87.6



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: 47.83 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

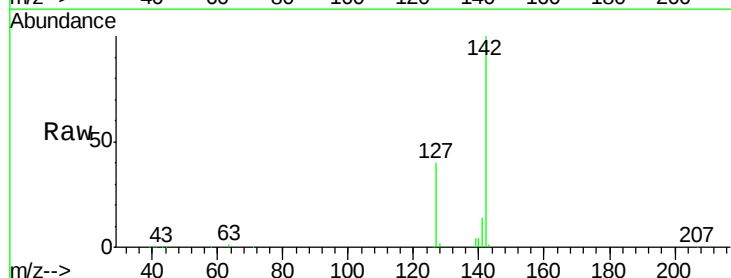
Tgt Ion:142 Resp: 115268

Ion Ratio Lower Upper

142 100

127 41.3 32.1 48.1

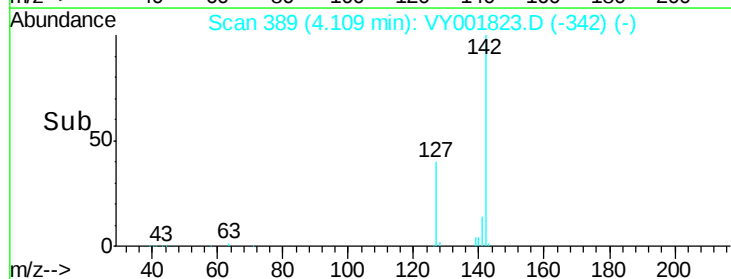
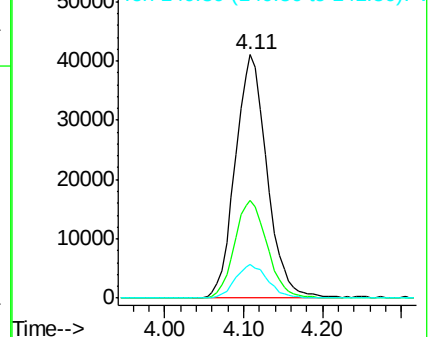
141 14.1 11.3 16.9

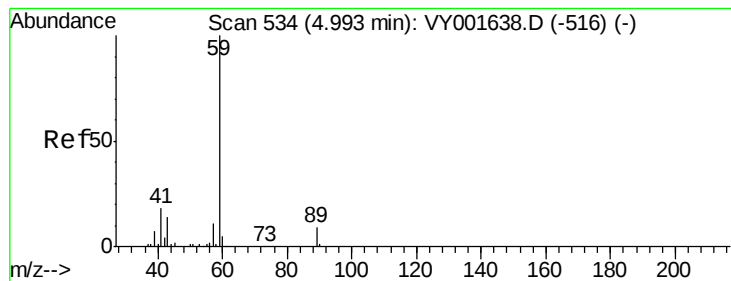


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



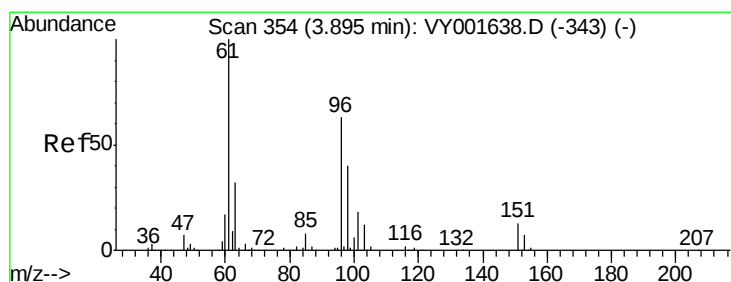
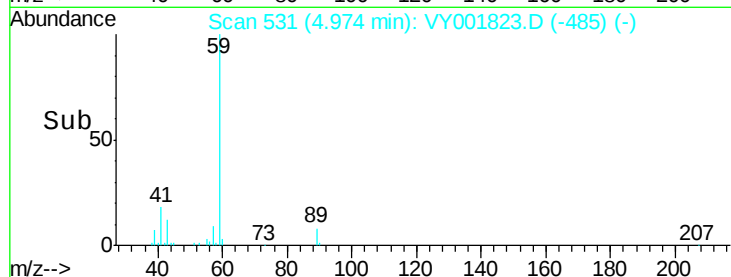
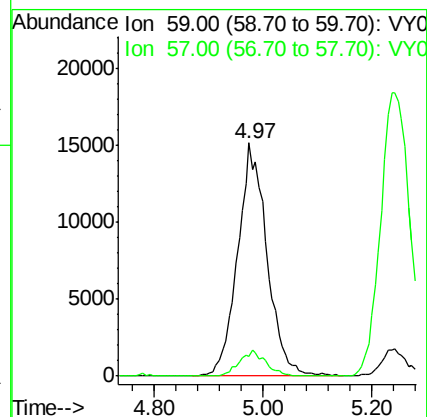
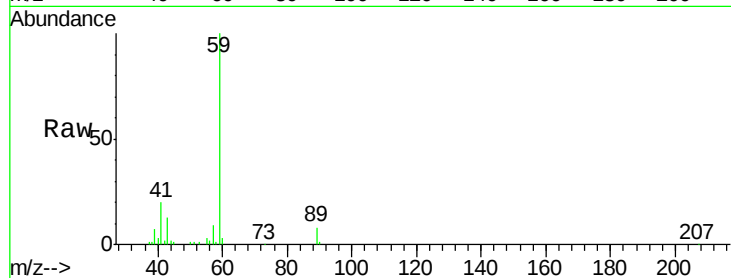


#11

Tert butyl alcohol
 Concen: 246.55 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

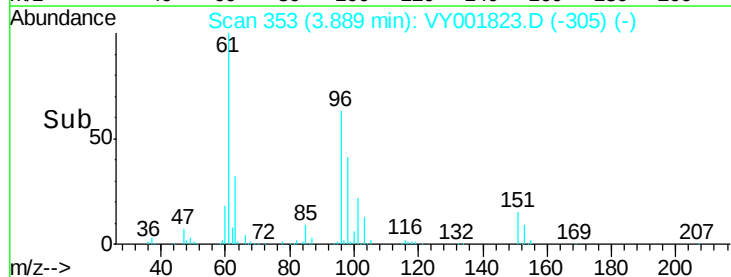
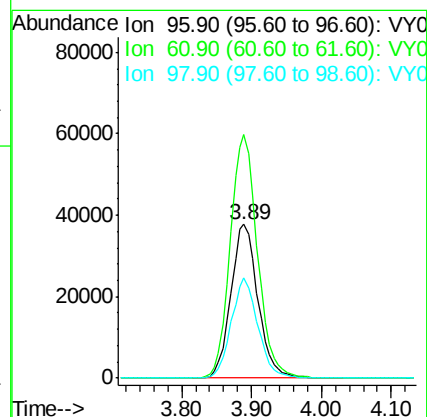
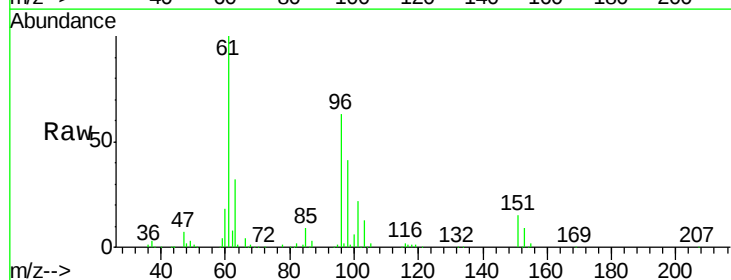
Tgt Ion: 59 Resp: 56952
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.4 11.2

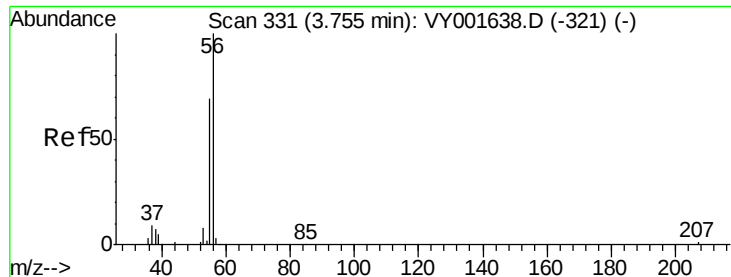


#12

1,1-Dichloroethene
 Concen: 50.59 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion: 96 Resp: 101613
 Ion Ratio Lower Upper
 96 100
 61 158.3 128.7 193.1
 98 65.1 50.7 76.1





#13

Acrolein

Concen: 273.65 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

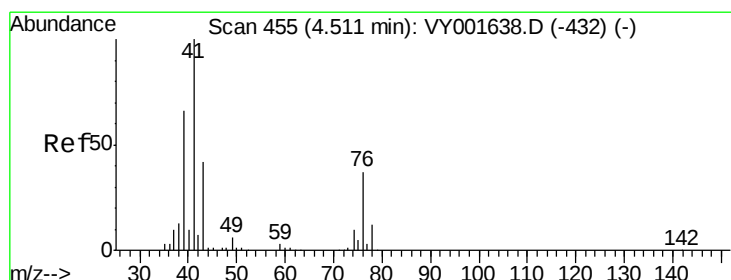
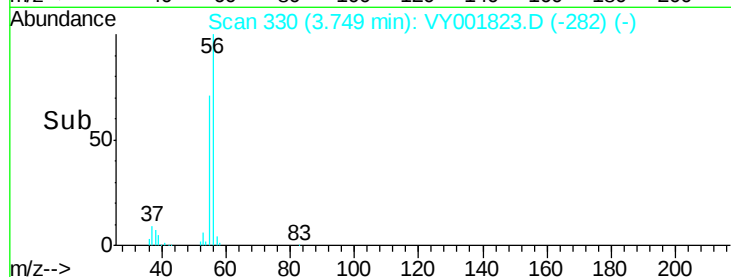
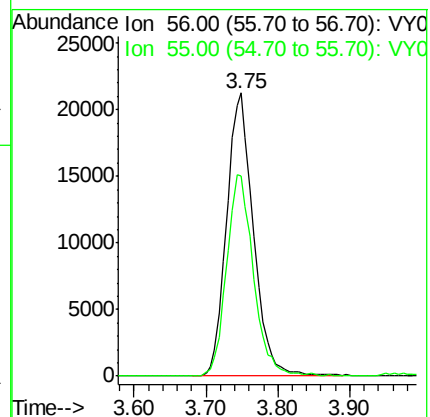
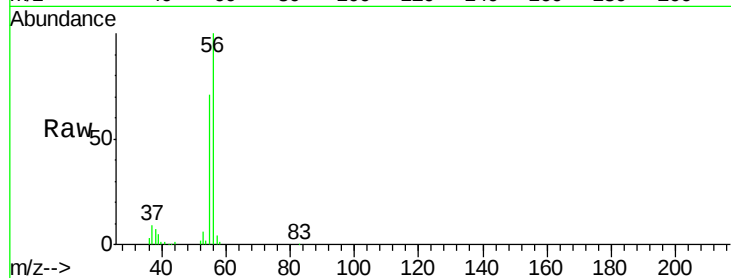
VSTDCCC050EC

Tgt Ion: 56 Resp: 55030

Ion Ratio Lower Upper

56 100

55 71.3 56.1 84.1



#14

Allyl chloride

Concen: 51.74 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

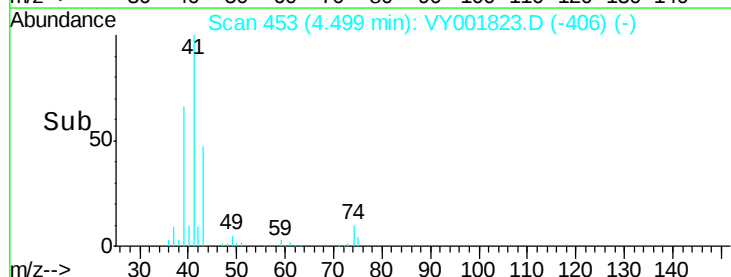
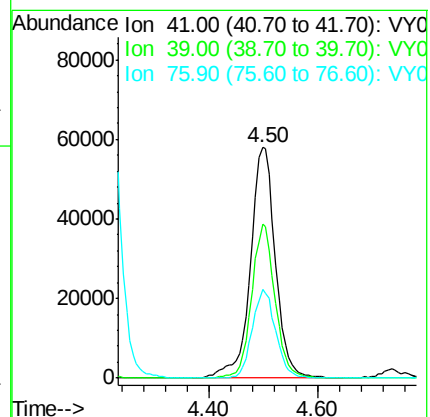
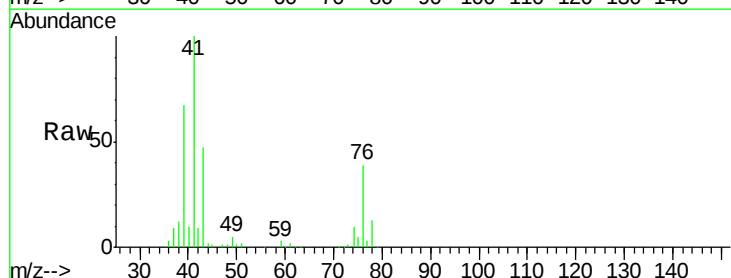
Tgt Ion: 41 Resp: 184961

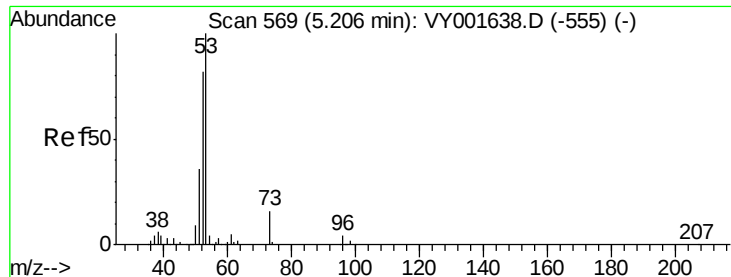
Ion Ratio Lower Upper

41 100

39 62.6 49.4 74.0

76 36.0 29.0 43.6





#15

Acrylonitrile

Concen: 280.08 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.02 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

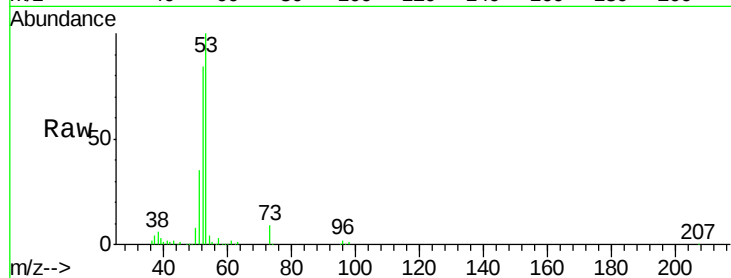
Tgt Ion: 53 Resp: 177319

Ion Ratio Lower Upper

53 100

52 81.6 65.4 98.0

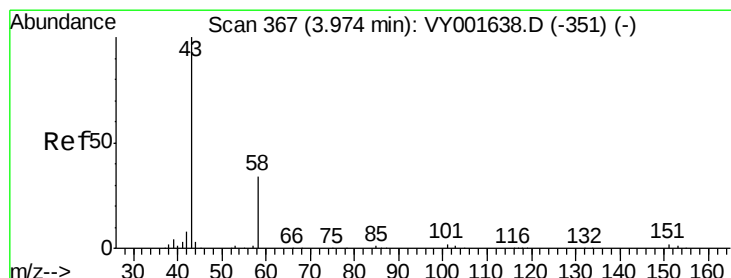
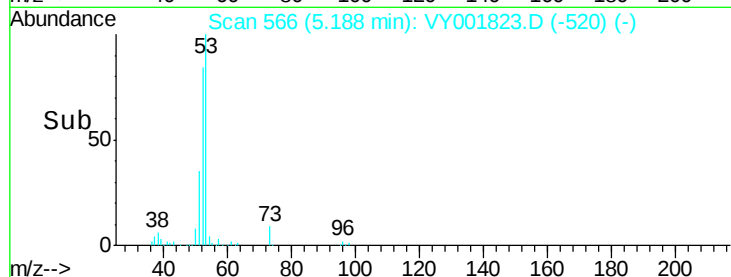
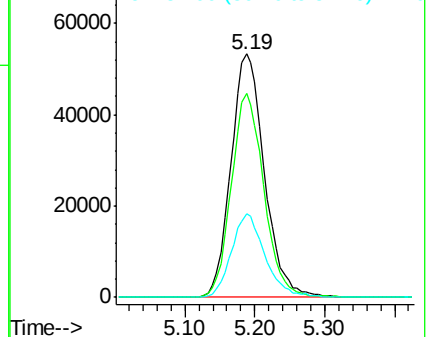
51 34.6 28.0 42.0



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: 222.14 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001823.D

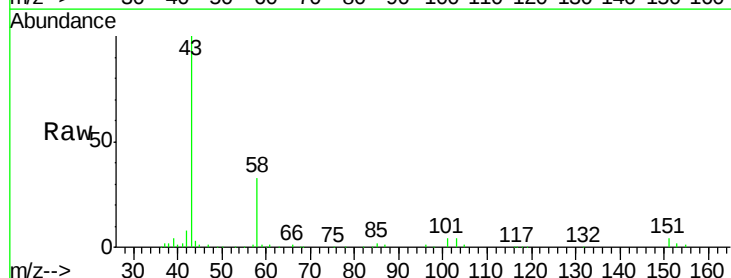
Acq: 02 Mar 2020 17:04

Tgt Ion: 43 Resp: 153045

Ion Ratio Lower Upper

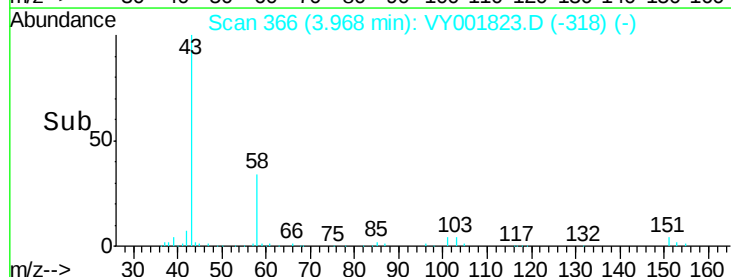
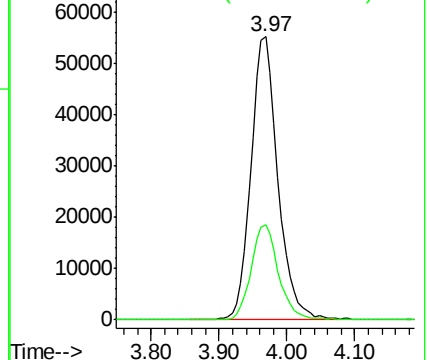
43 100

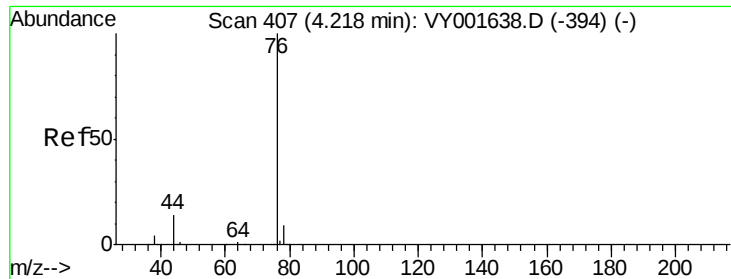
58 33.4 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

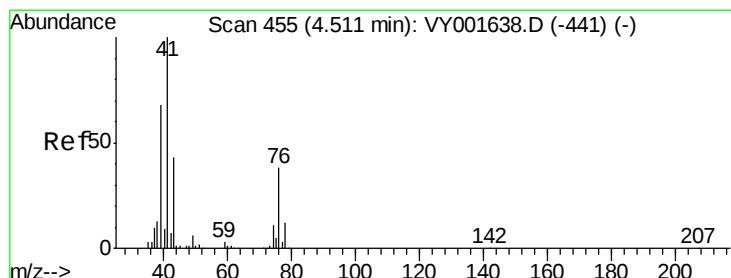
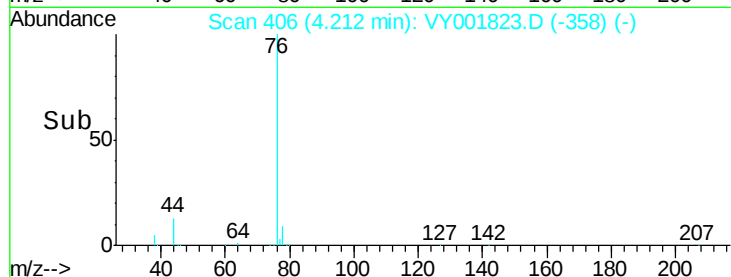
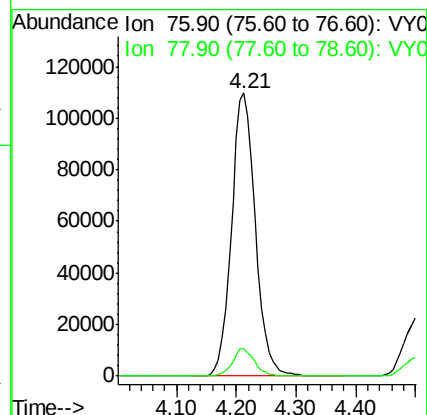
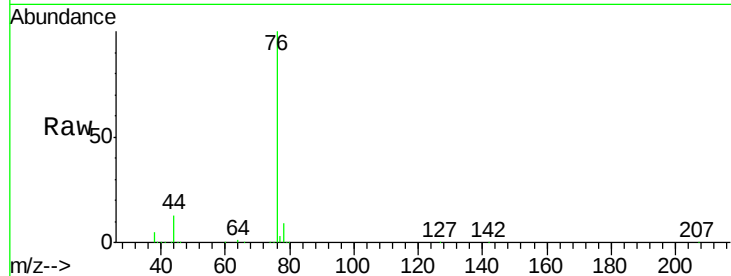




#17
 Carbon Disulfide
 Concen: 45.35 ug/l
 RT: 4.21 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

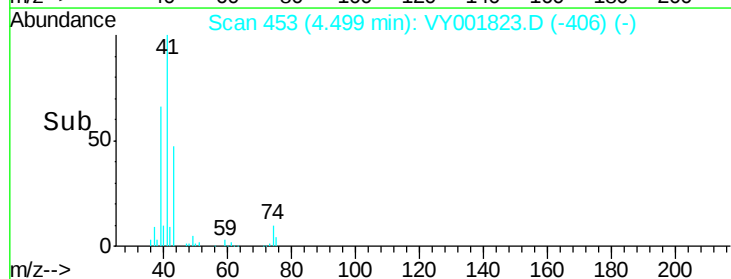
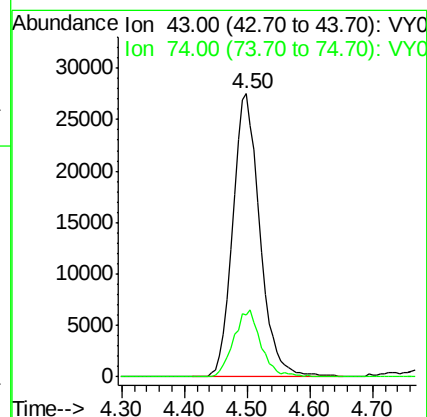
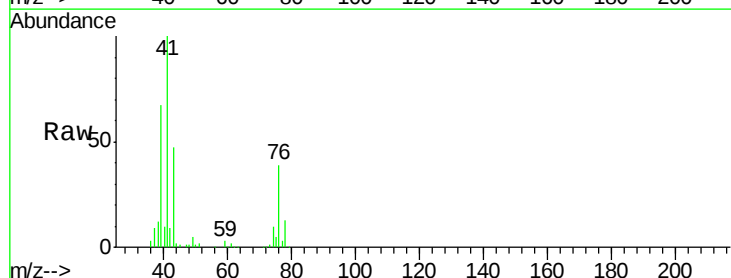
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

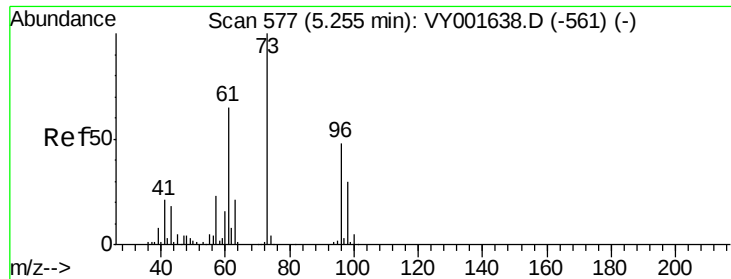
Tgt Ion: 76 Resp: 304121
 Ion Ratio Lower Upper
 76 100
 78 9.5 7.3 10.9



#18
 Methyl Acetate
 Concen: 54.78 ug/l
 RT: 4.50 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion: 43 Resp: 82197
 Ion Ratio Lower Upper
 43 100
 74 23.5 19.1 28.7

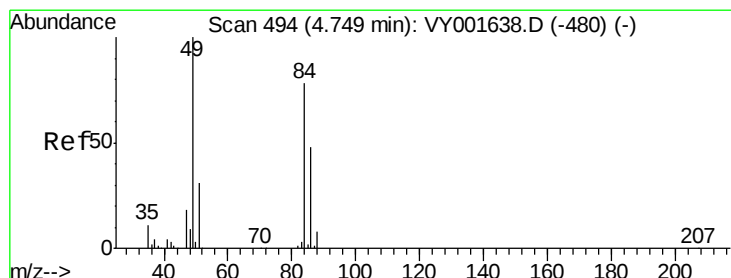
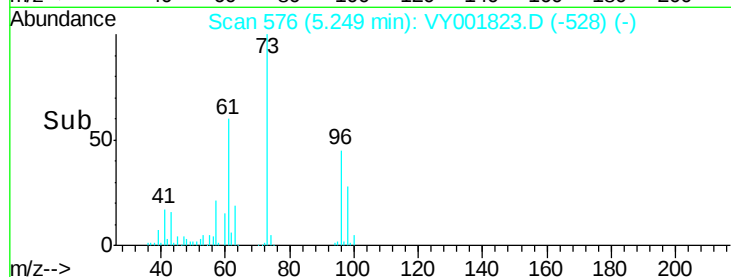
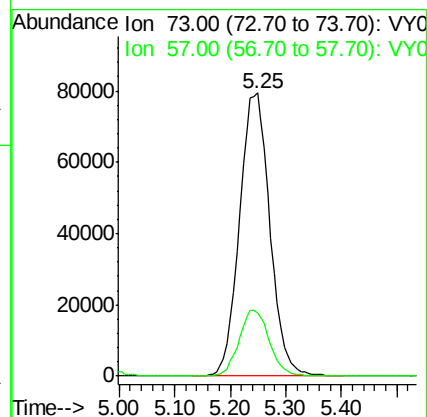
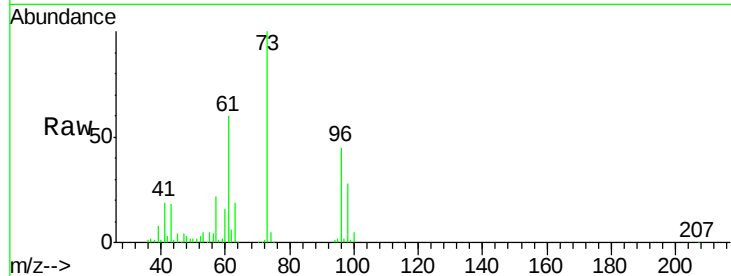




#19
Methyl tert-butyl Ether
Concen: 53.73 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

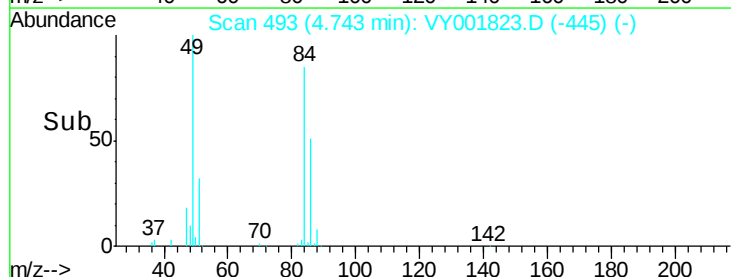
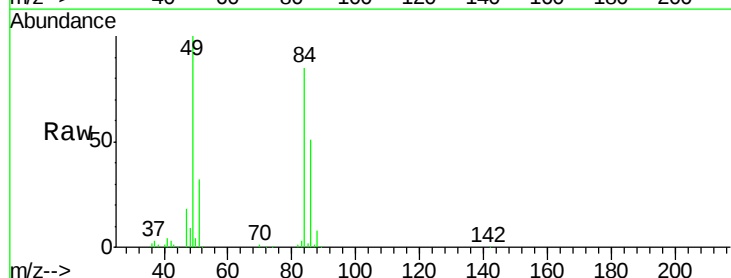
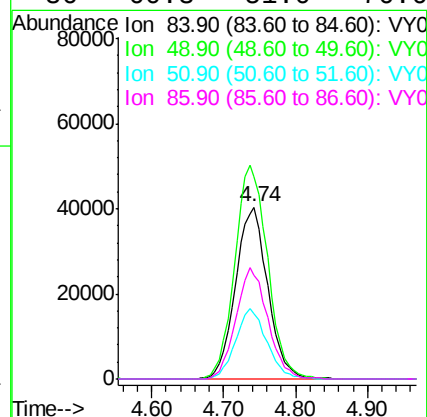
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

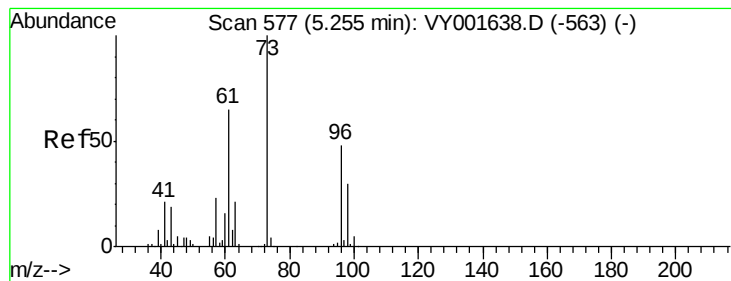
Tgt Ion: 73 Resp: 300449
Ion Ratio Lower Upper
73 100
57 22.5 19.0 28.6



#20
Methylene Chloride
Concen: 51.28 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 84 Resp: 125483
Ion Ratio Lower Upper
84 100
49 117.8 99.2 148.8
51 38.1 31.5 47.3
86 60.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.44 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

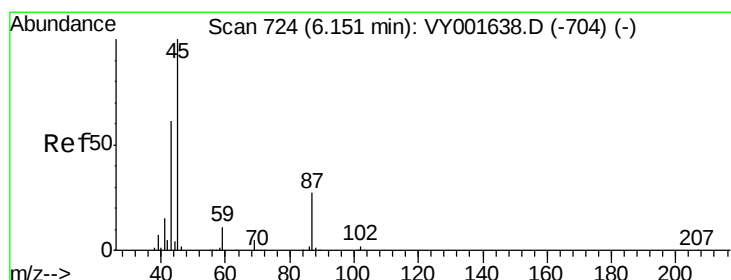
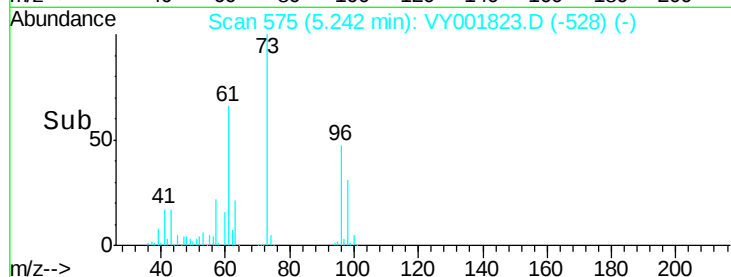
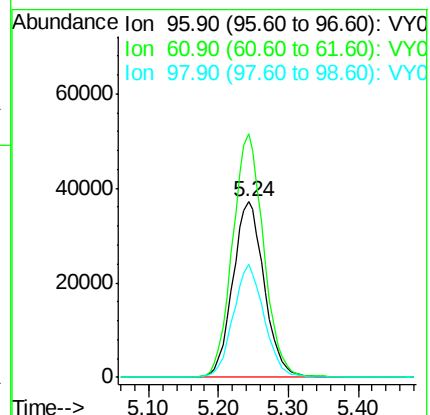
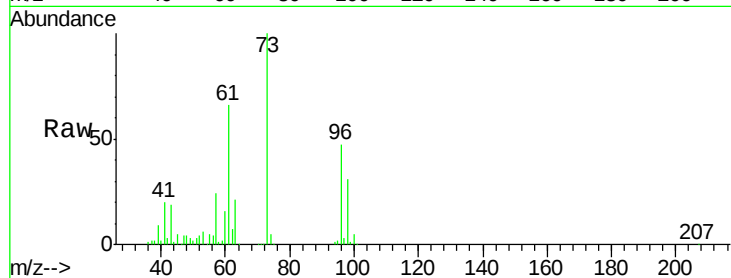
Tgt Ion: 96 Resp: 115583

Ion Ratio Lower Upper

96 100

61 138.7 107.9 161.9

98 64.6 49.8 74.8



#22

Diisopropyl ether

Concen: 53.15 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Tgt Ion: 45 Resp: 390171

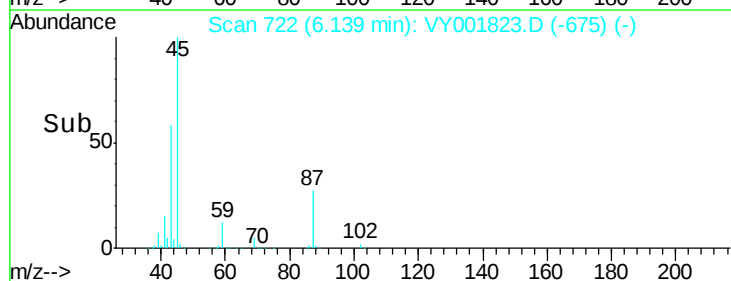
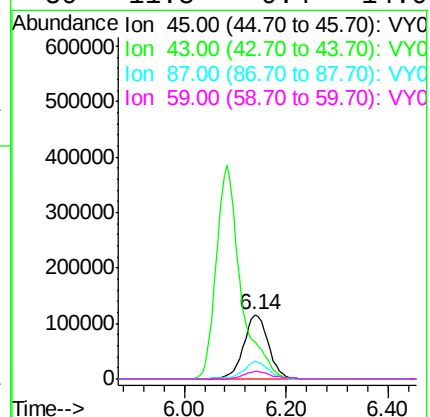
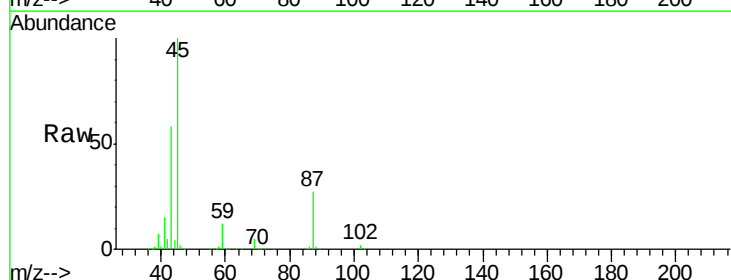
Ion Ratio Lower Upper

45 100

43 58.4 46.4 69.6

87 27.1 22.1 33.1

59 11.8 9.4 14.0

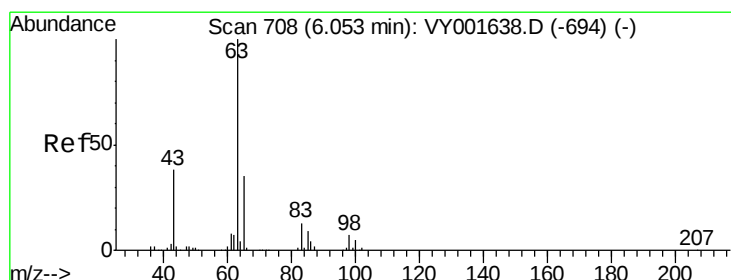
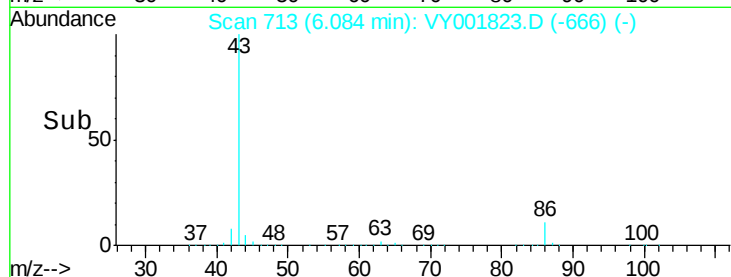
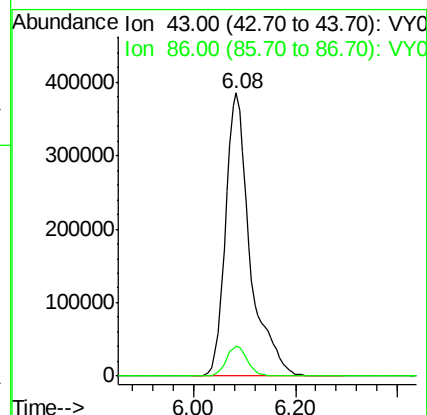
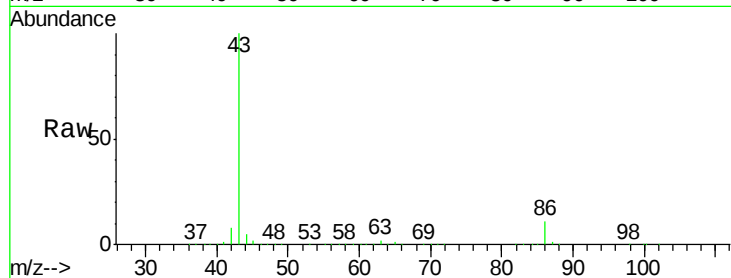




#23
 Vinyl Acetate
 Concen: 267.69 ug/l
 RT: 6.08 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

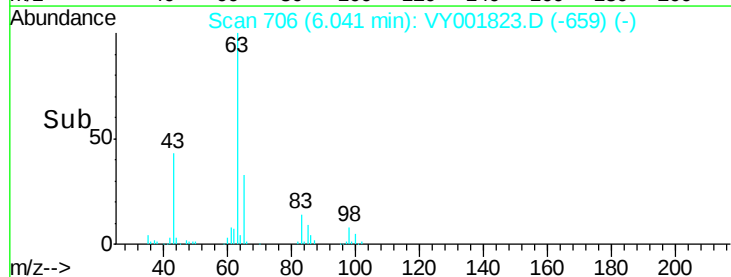
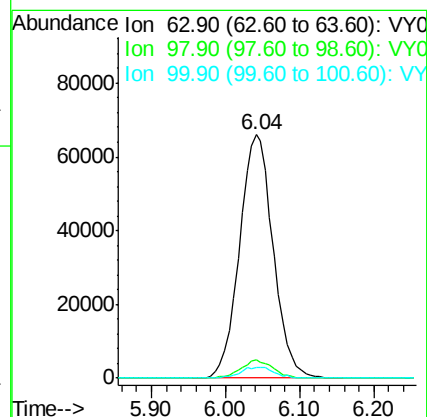
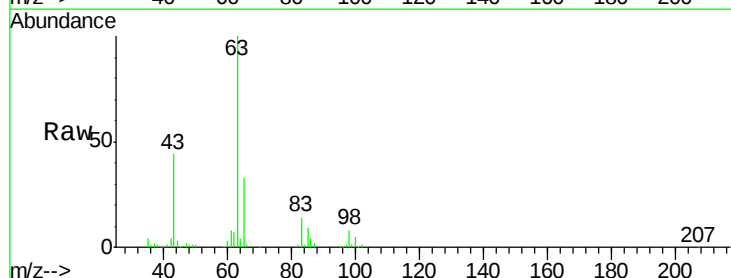
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

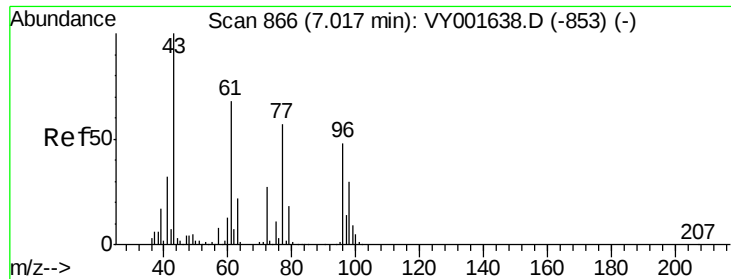
Tgt Ion: 43 Resp: 1281811
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 53.07 ug/l
 RT: 6.04 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion: 63 Resp: 208207
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.4 10.2
 100 4.5 2.3 6.9

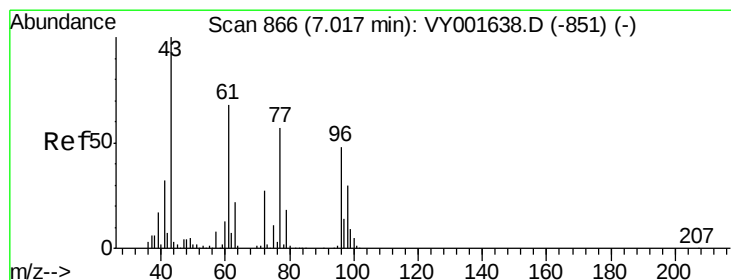
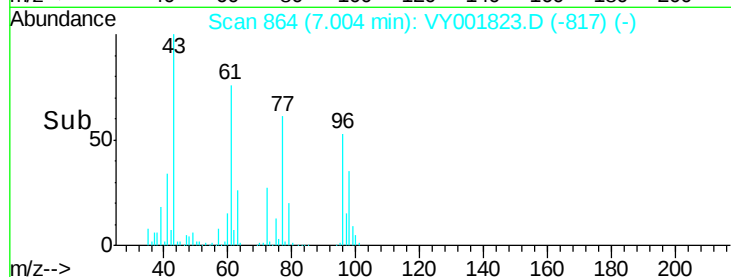
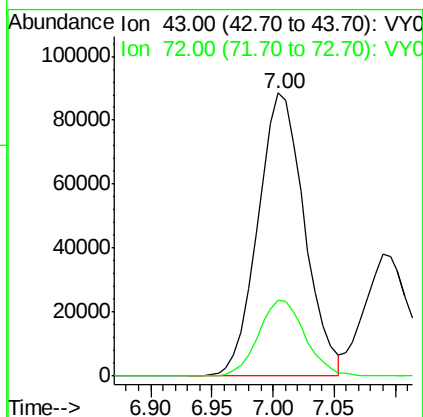
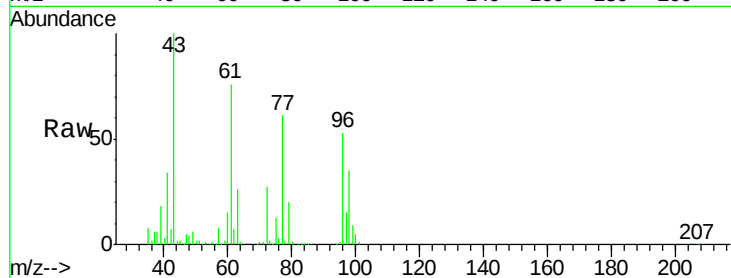




#25
2-Butanone
Concen: 250.29 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

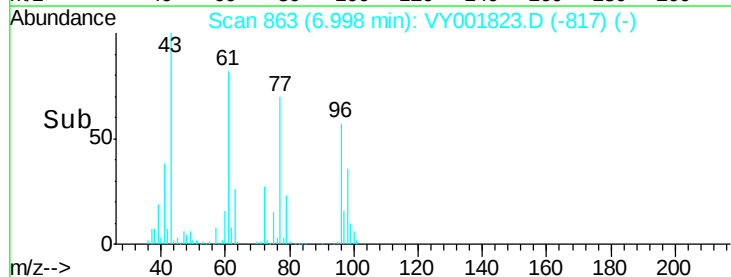
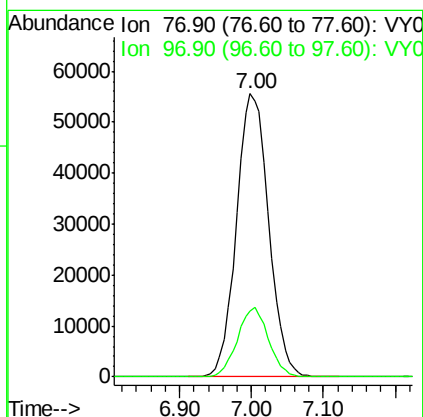
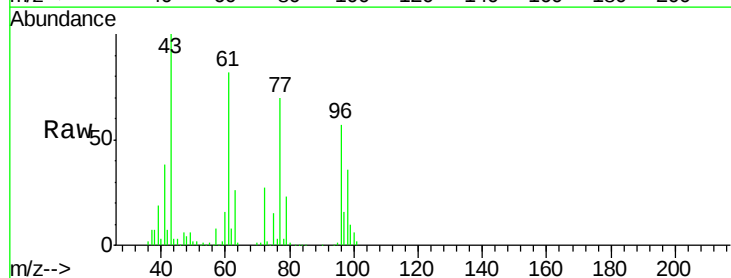
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

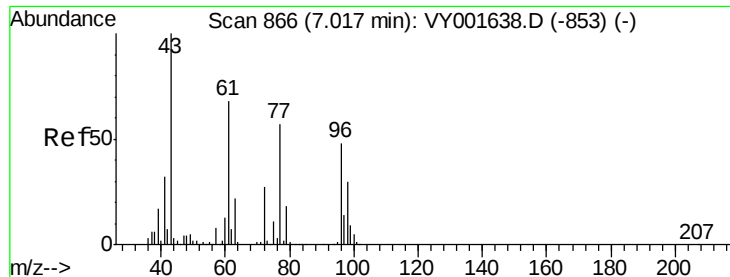
Tgt Ion: 43 Resp: 234251
Ion Ratio Lower Upper
43 100
72 26.7 21.2 31.8



#26
2,2-Dichloropropane
Concen: 50.54 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 77 Resp: 172524
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 51.81 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

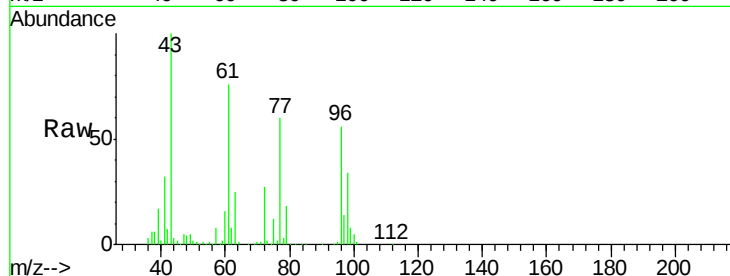
Tgt Ion: 96 Resp: 131058

Ion Ratio Lower Upper

96 100

61 145.1 0.0 290.8

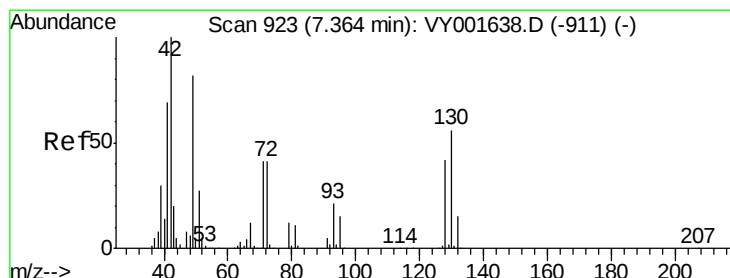
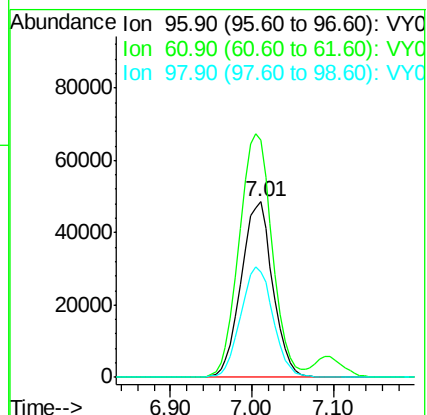
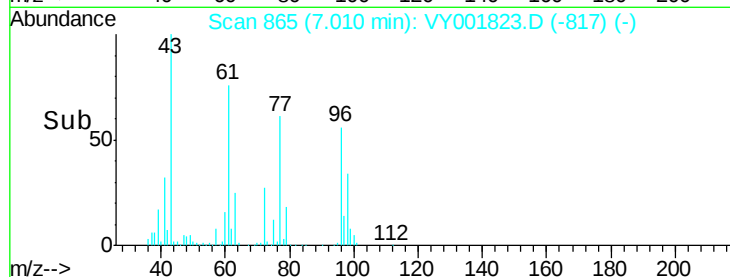
98 64.3 0.0 128.6



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



#28

Bromochloromethane

Concen: 55.45 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

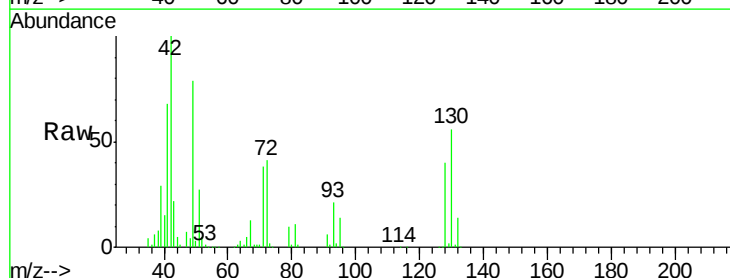
Tgt Ion: 49 Resp: 90627

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

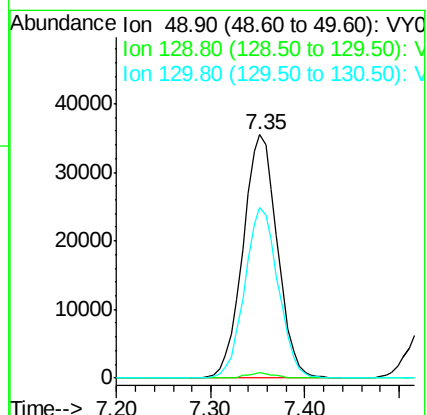
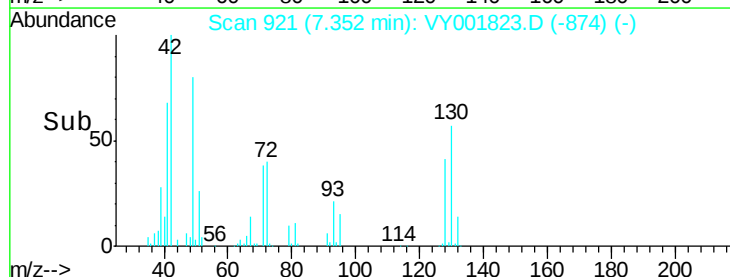
130 68.4 56.2 84.4

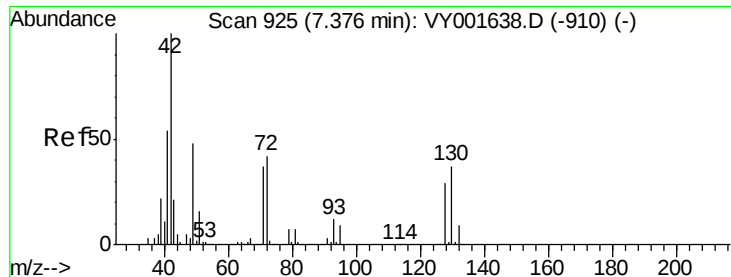


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

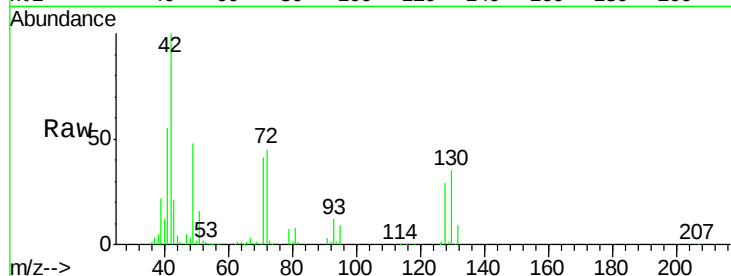




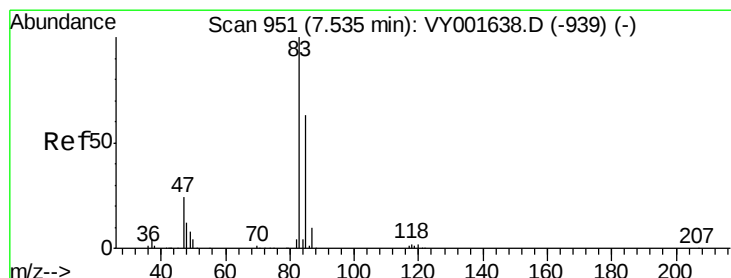
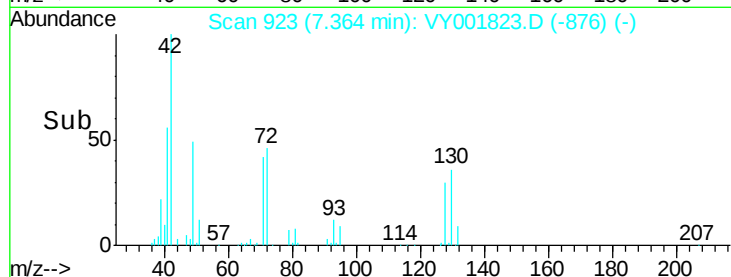
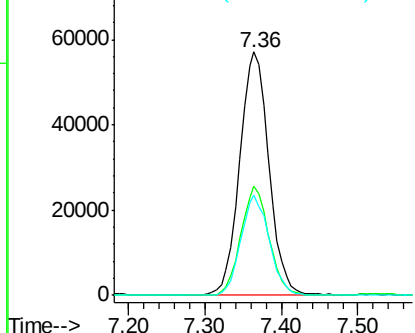
#29
Tetrahydrofuran
Concen: 268.37 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 151815
Ion Ratio Lower Upper
42 100
72 43.0 34.4 51.6
71 39.9 31.8 47.8

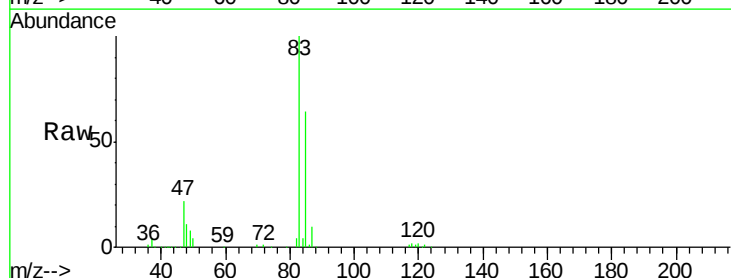


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

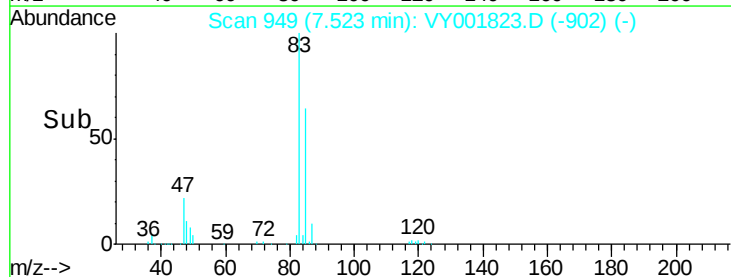
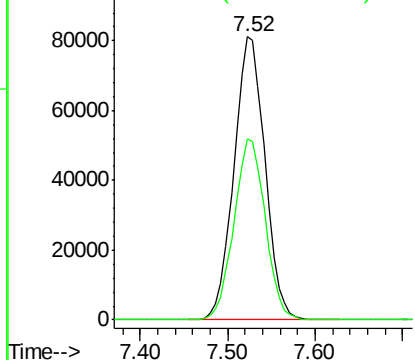


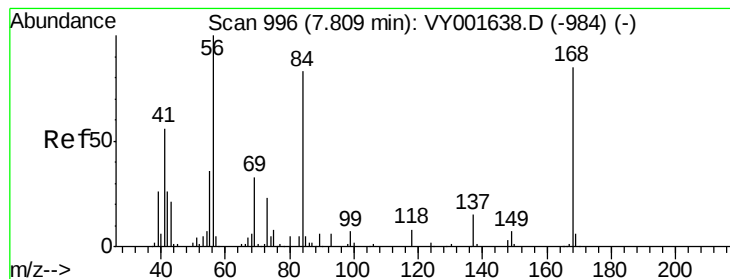
#30
Chloroform
Concen: 52.13 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 83 Resp: 199853
Ion Ratio Lower Upper
83 100
85 64.1 51.6 77.4



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





#31

Cyclohexane

Concen: 47.65 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

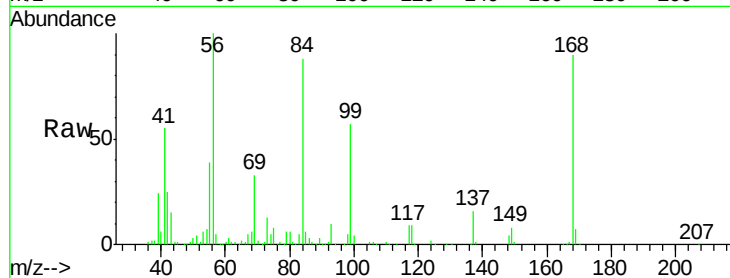
Tgt Ion: 56 Resp: 199323

Ion Ratio Lower Upper

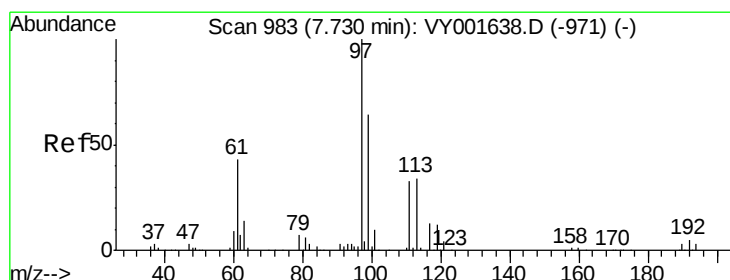
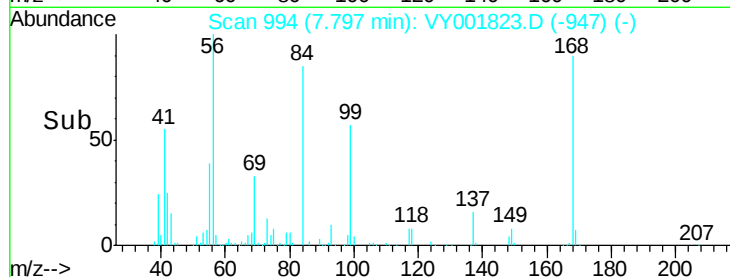
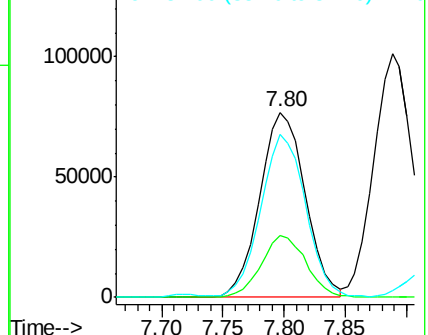
56 100

69 33.2 25.1 37.7

84 86.7 66.9 100.3



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



#32

1,1,1-Trichloroethane

Concen: 51.45 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

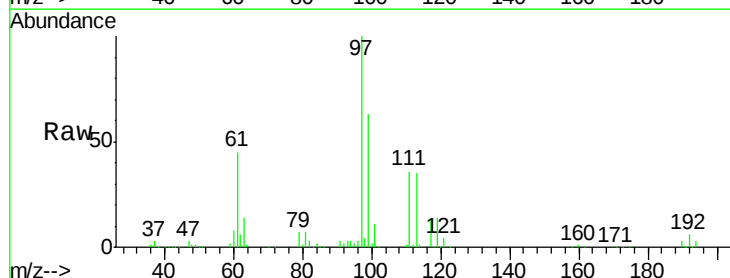
Tgt Ion: 97 Resp: 165785

Ion Ratio Lower Upper

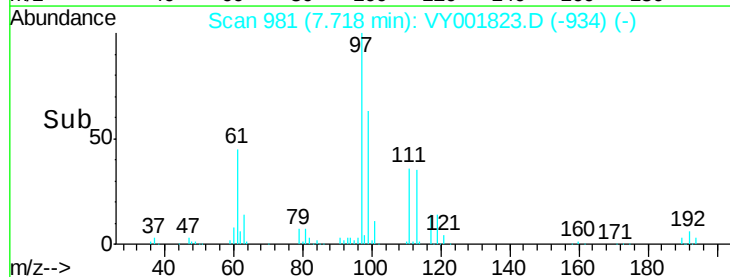
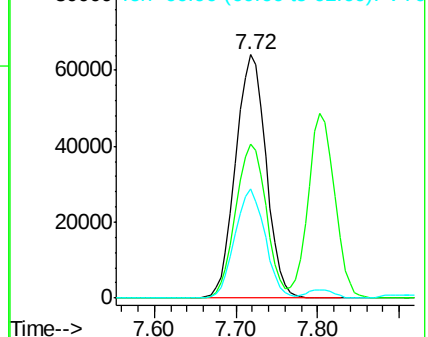
97 100

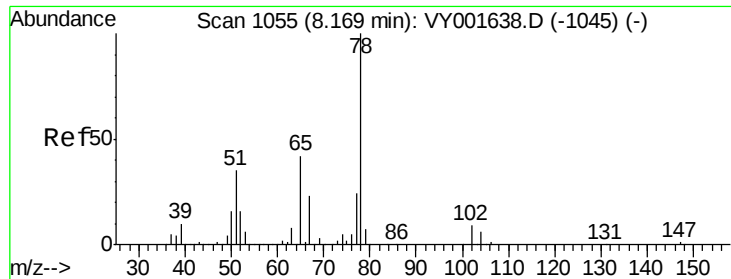
99 63.5 51.2 76.8

61 44.2 35.0 52.6



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

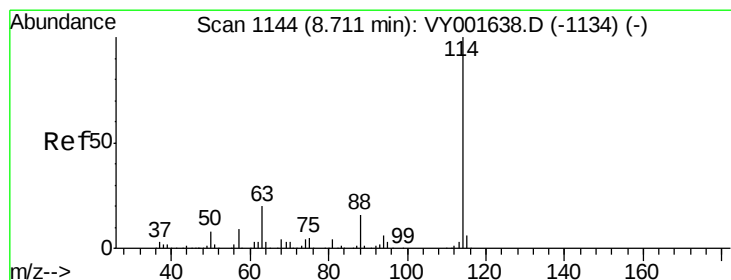
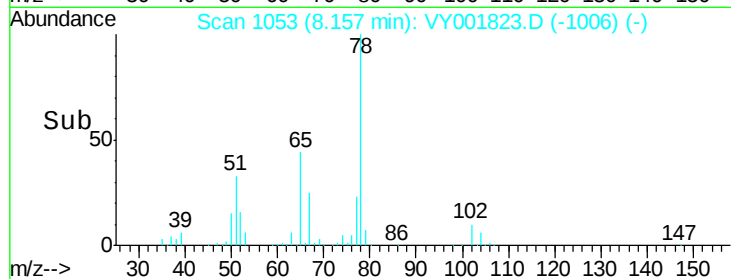
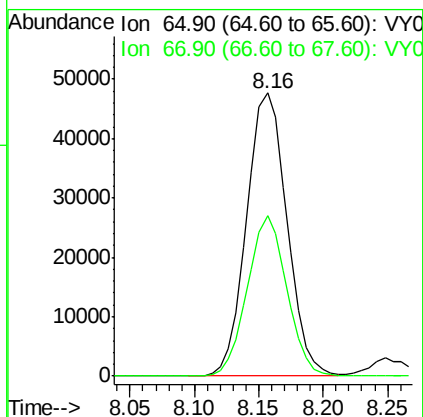
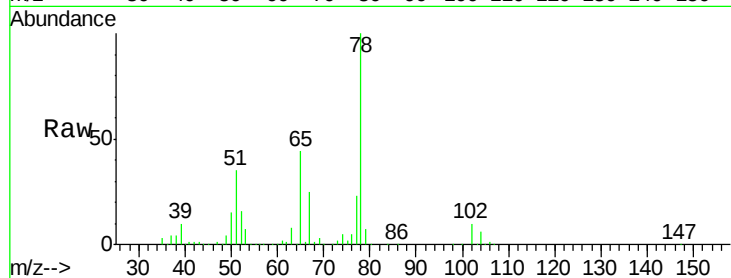




#33
 1,2-Dichloroethane-d4
 Concen: 52.03 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

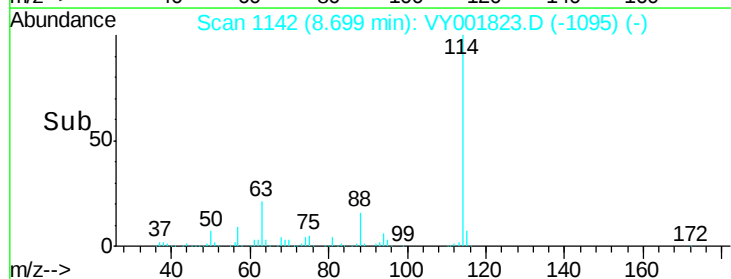
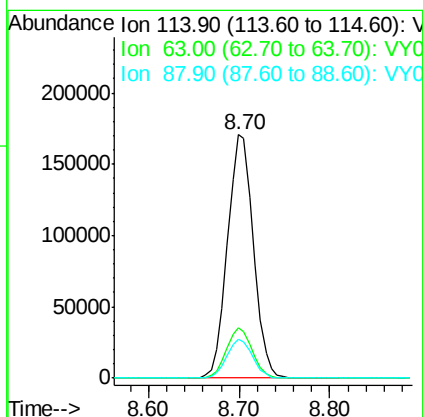
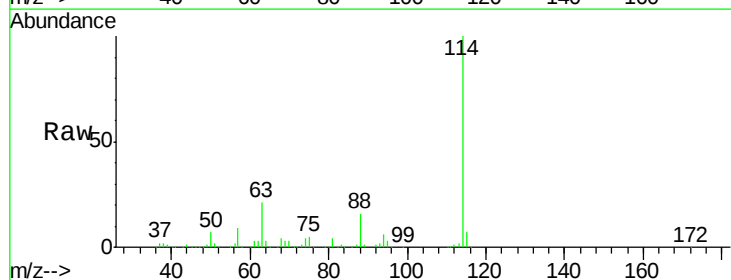
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

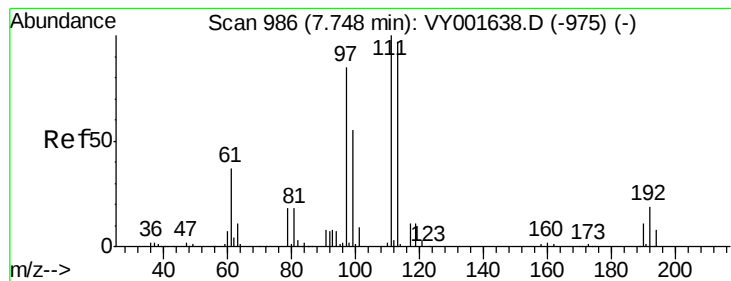
Tgt Ion: 65 Resp: 103606
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion: 114 Resp: 337614
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.4
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.19 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

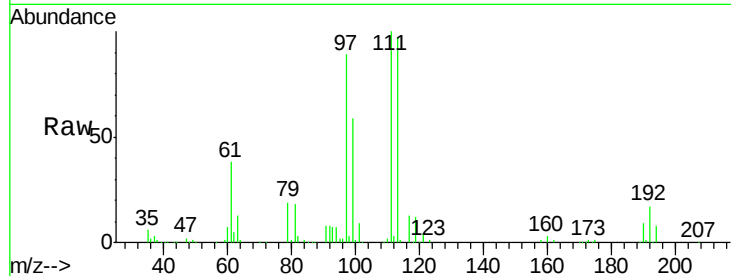
Tgt Ion:113 Resp: 97054

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

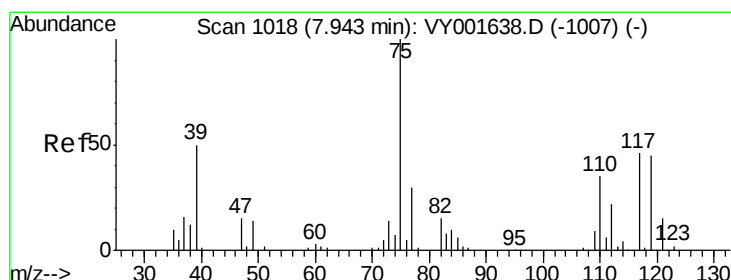
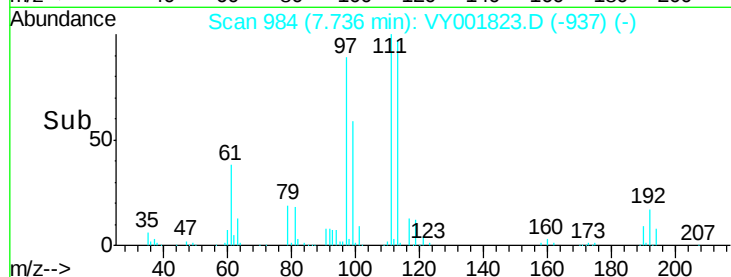
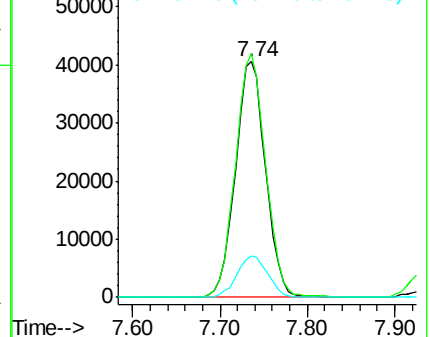
192 17.9 14.3 21.5



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: 49.90 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

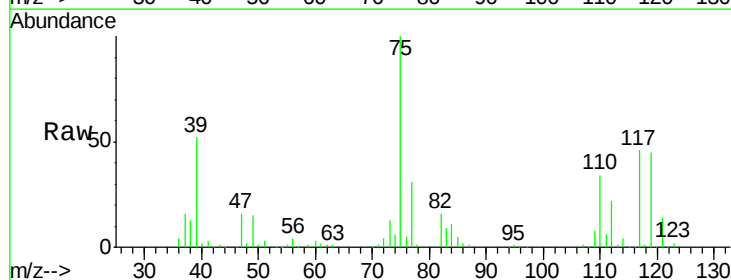
Tgt Ion: 75 Resp: 160929

Ion Ratio Lower Upper

75 100

110 34.9 17.2 51.6

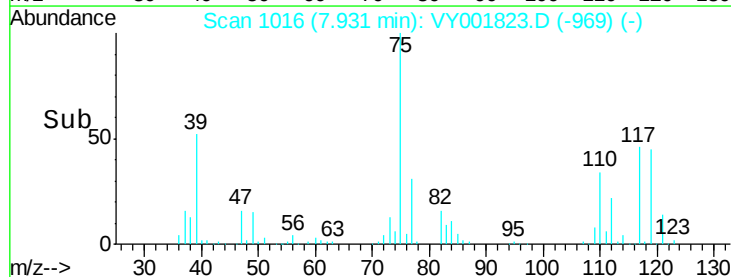
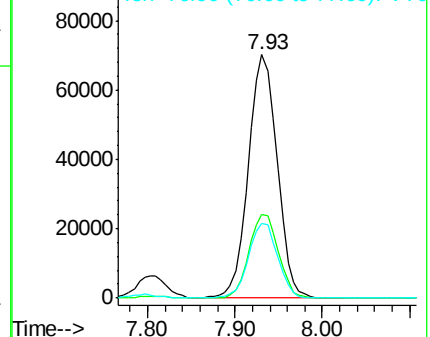
77 31.3 24.8 37.2

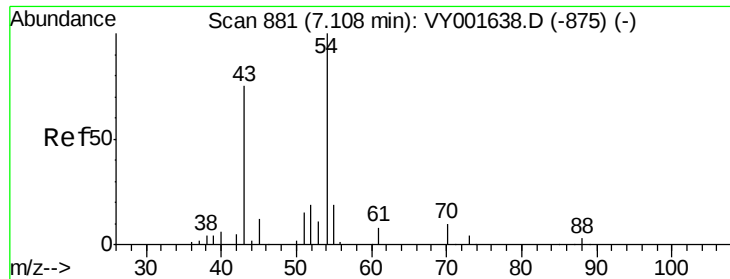


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

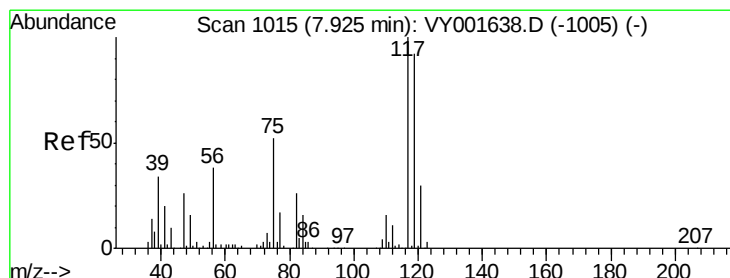
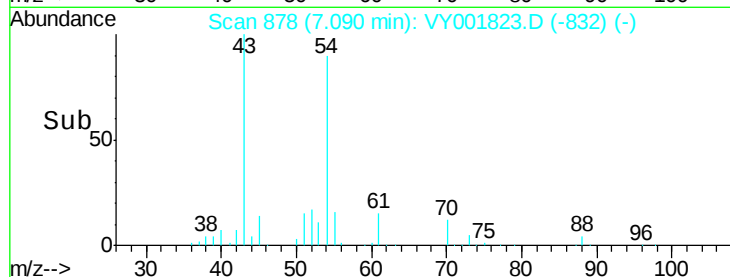
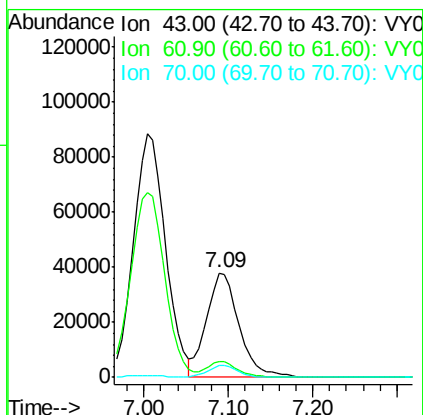
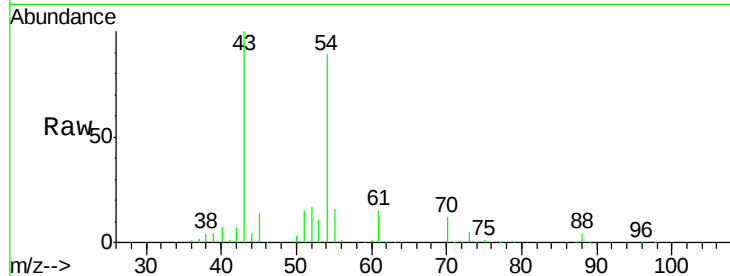




#37
Ethyl Acetate
Concen: 52.69 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.02 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

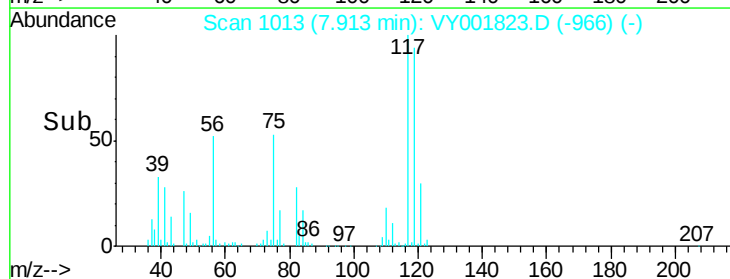
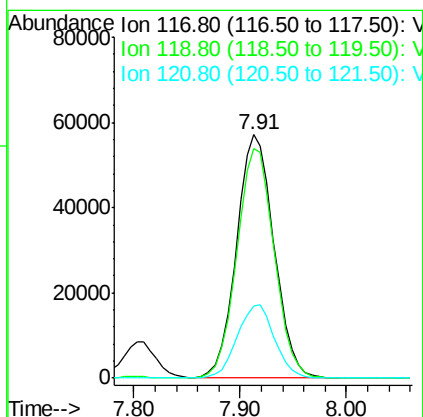
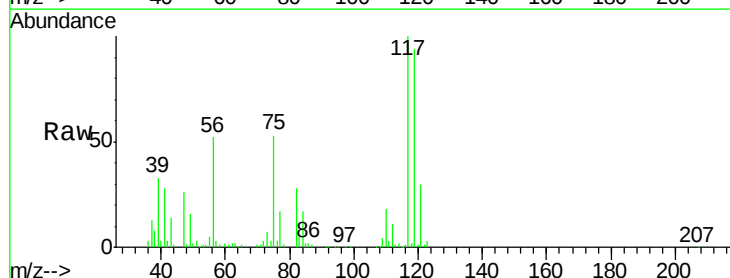
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

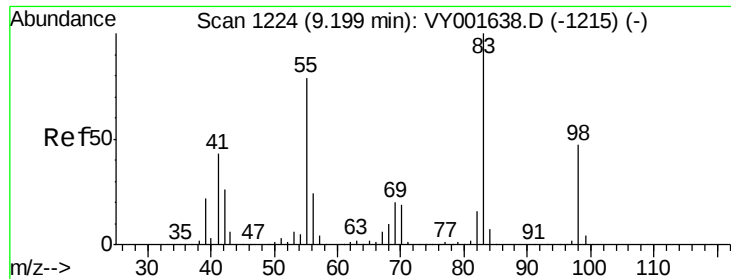
Tgt Ion: 43 Resp: 101414
Ion Ratio Lower Upper
43 100
61 13.9 11.0 16.6
70 10.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 49.77 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 117 Resp: 140972
Ion Ratio Lower Upper
117 100
119 94.2 74.8 112.2
121 29.6 23.8 35.6

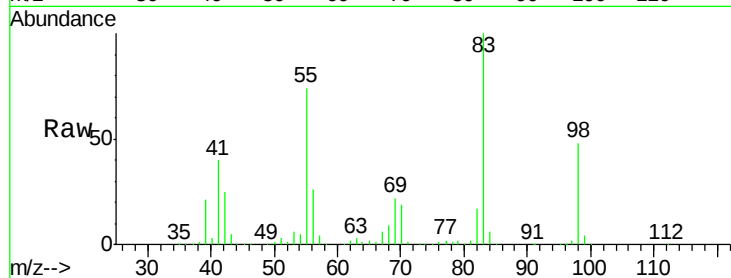




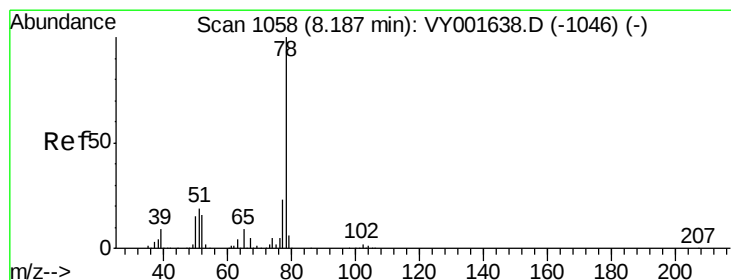
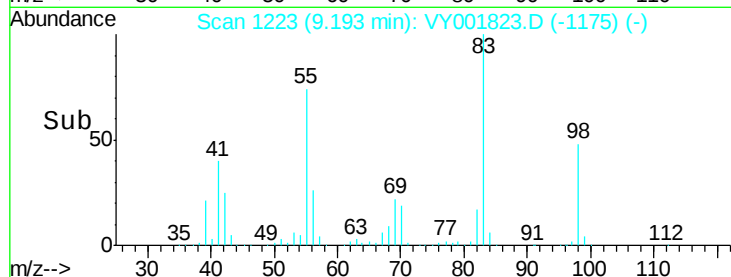
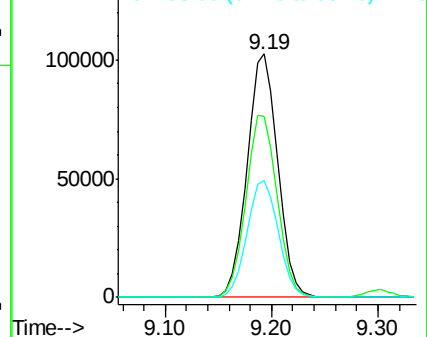
#39
Methylcyclohexane
Concen: 48.48 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 207404
Ion Ratio Lower Upper
83 100
55 74.2 61.3 91.9
98 48.0 38.0 57.0

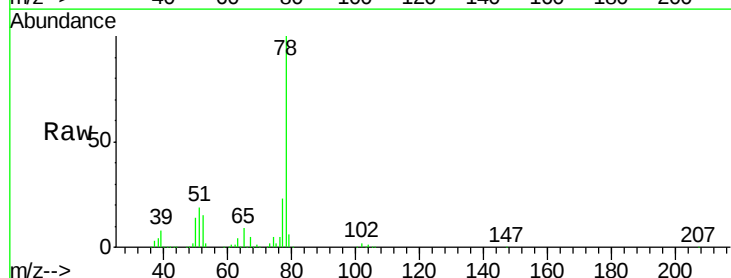


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

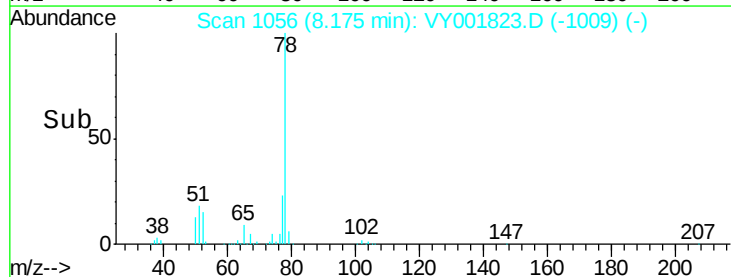
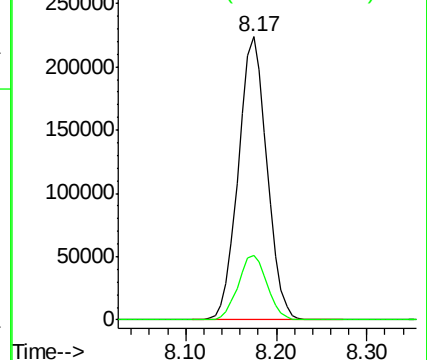


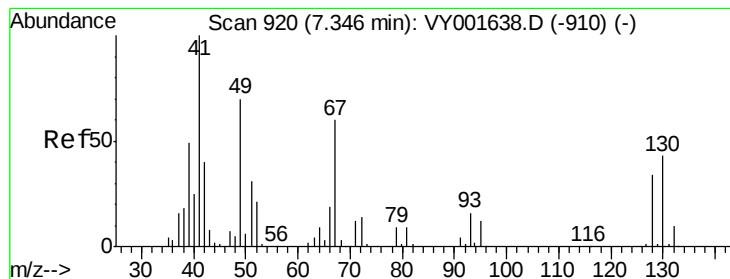
#40
Benzene
Concen: 51.54 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 78 Resp: 488800
Ion Ratio Lower Upper
78 100
77 22.9 18.2 27.4



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#41

Methacrylonitrile

Concen: 140.90 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 136175

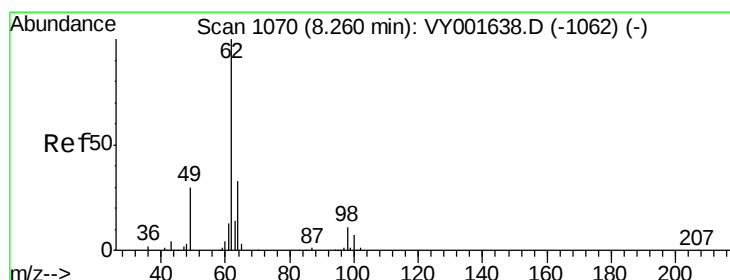
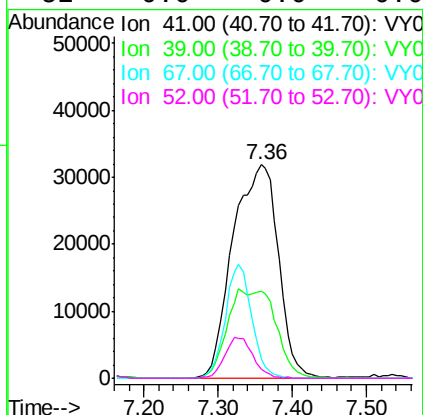
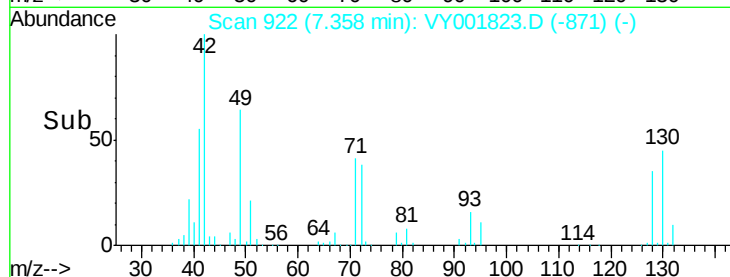
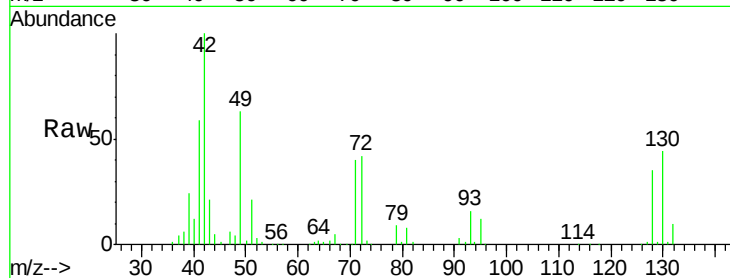
Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0



#42

1,2-Dichloroethane

Concen: 50.92 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY001823.D

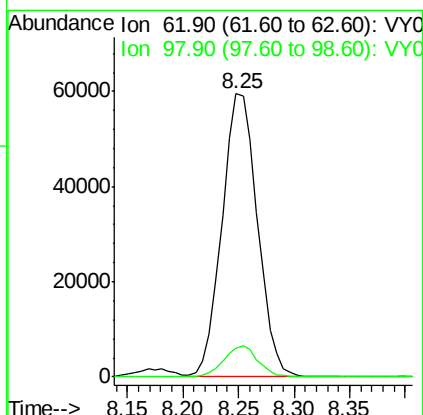
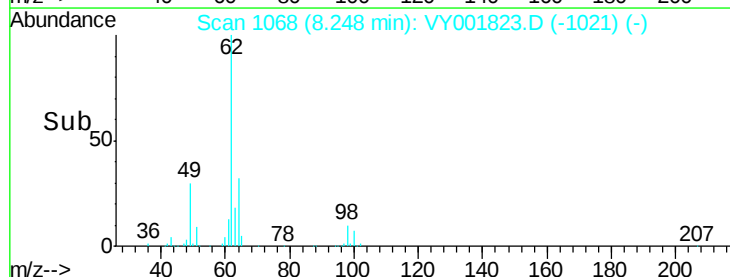
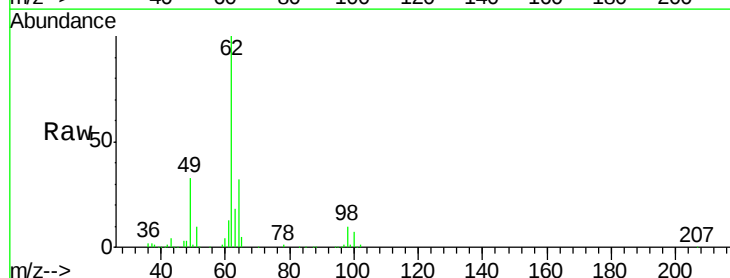
Acq: 02 Mar 2020 17:04

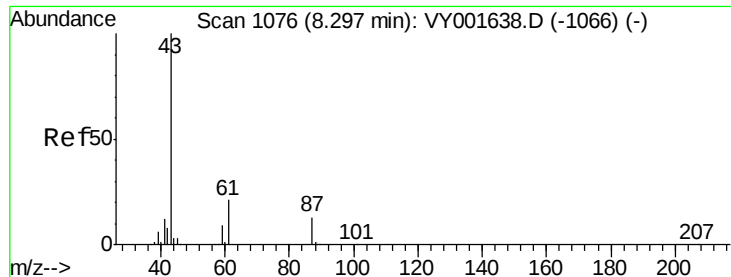
Tgt Ion: 62 Resp: 131570

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.8





#43

Isopropyl Acetate

Concen: 53.08 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

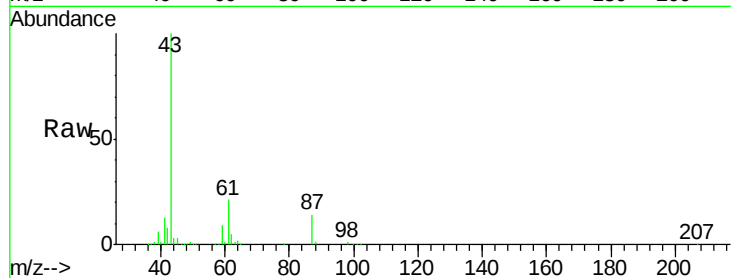
Tgt Ion: 43 Resp: 193832

Ion Ratio Lower Upper

43 100

61 29.2 23.0 34.4

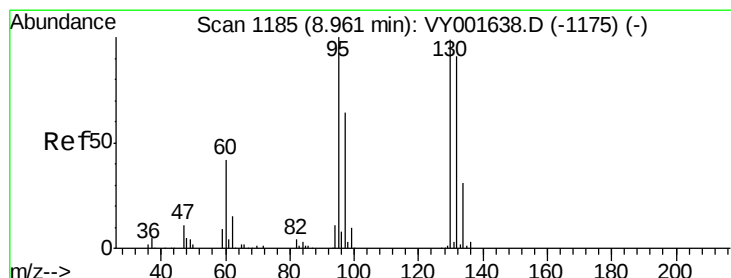
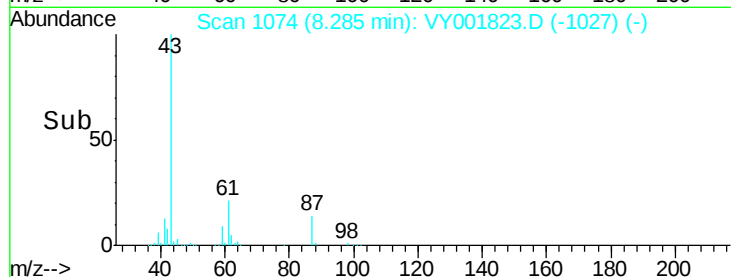
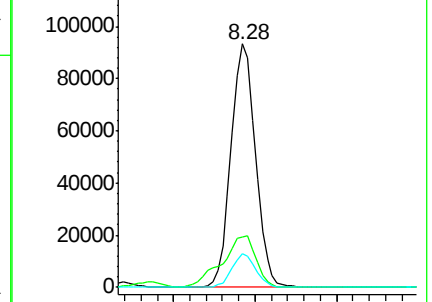
87 13.2 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VY001823.D (-1074) (-)

Ion 61.00 (60.70 to 61.70): VY001823.D (-1074) (-)

Ion 87.00 (86.70 to 87.70): VY001823.D (-1074) (-)



#44

Trichloroethene

Concen: 50.23 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VY001823.D

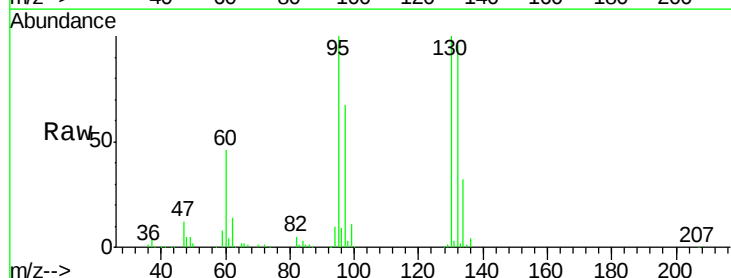
Acq: 02 Mar 2020 17:04

Tgt Ion: 130 Resp: 118929

Ion Ratio Lower Upper

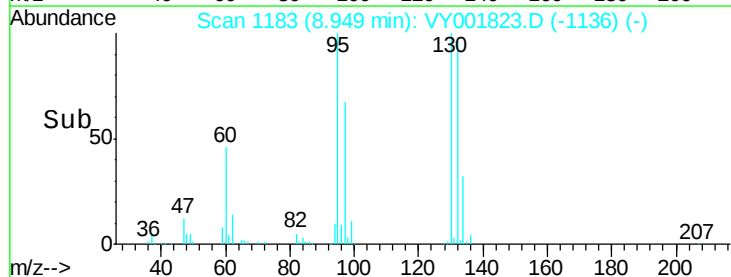
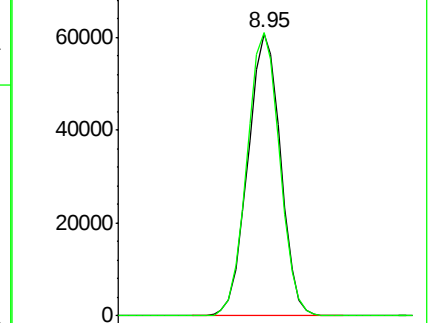
130 100

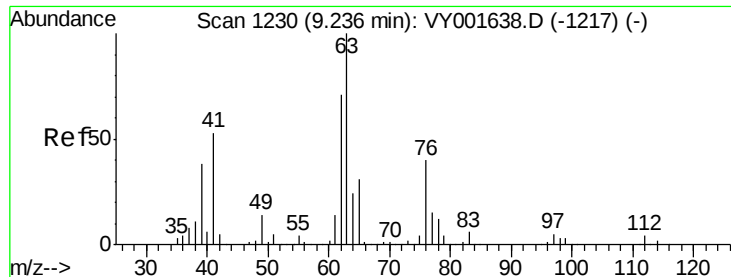
95 100.3 0.0 200.6



Abundance Ion 129.80 (129.50 to 130.50): VY001823.D (-1183) (-)

Ion 94.90 (94.60 to 95.60): VY001823.D (-1183) (-)





#45

1,2-Dichloropropane

Concen: 53.17 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

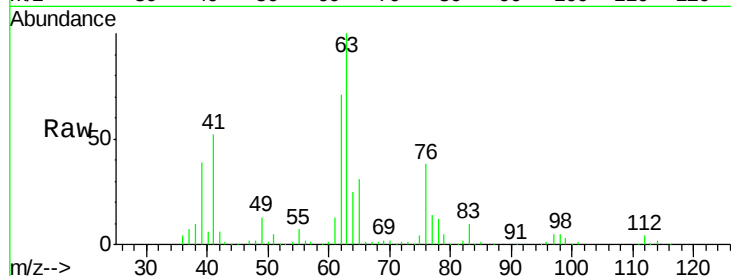
VSTDCCC050EC

Tgt Ion: 63 Resp: 126305

Ion Ratio Lower Upper

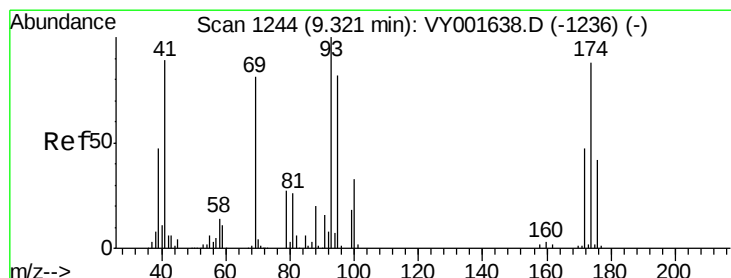
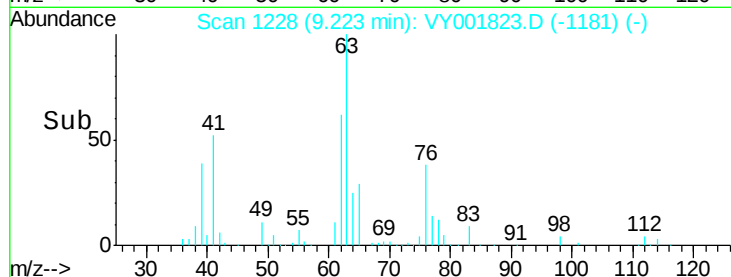
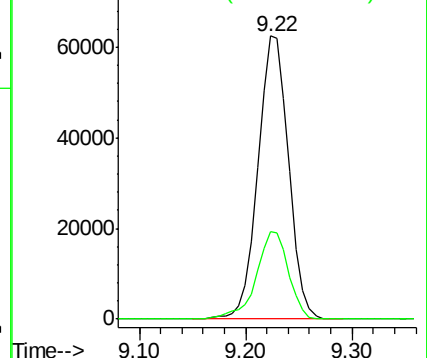
63 100

65 30.8 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 52.71 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

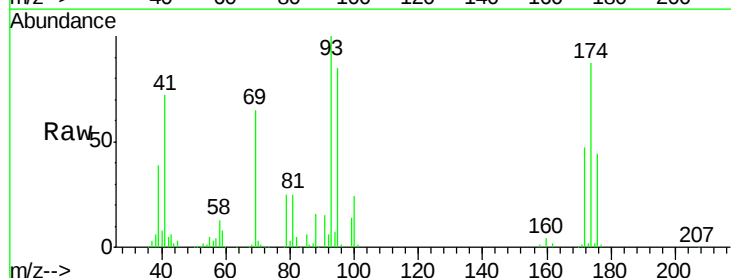
Tgt Ion: 93 Resp: 65491

Ion Ratio Lower Upper

93 100

95 82.7 66.1 99.1

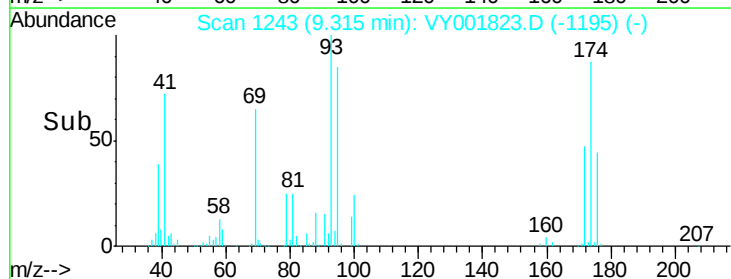
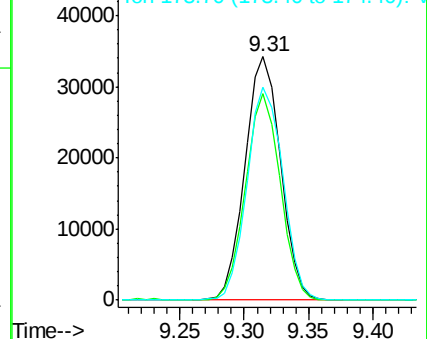
174 87.9 72.5 108.7

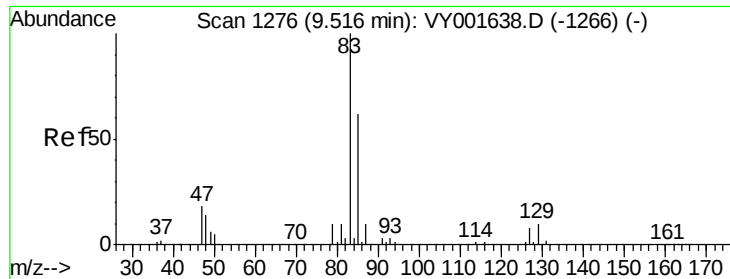


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

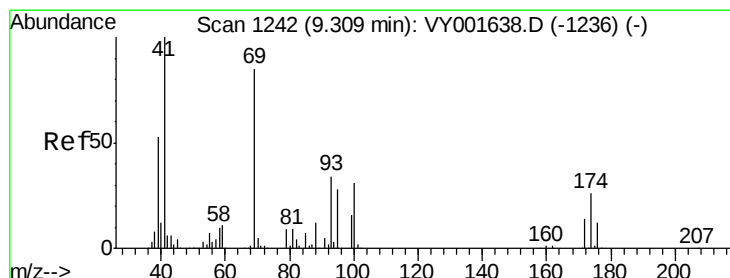
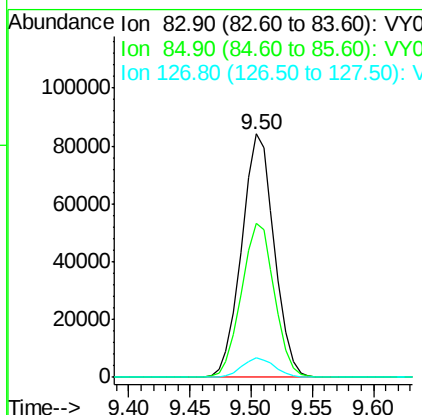
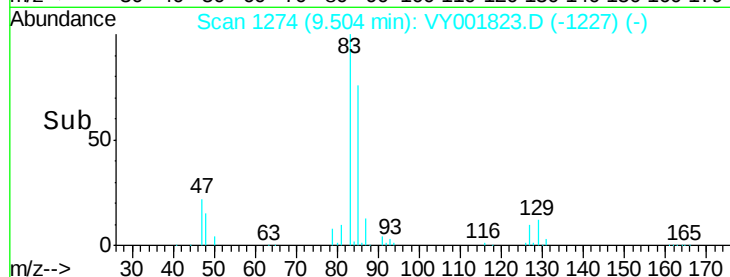
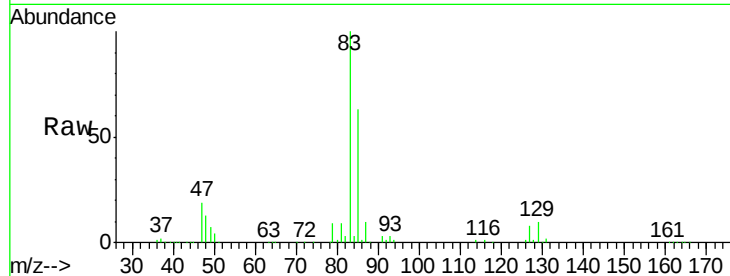




#47
Bromodichloromethane
Concen: 51.93 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

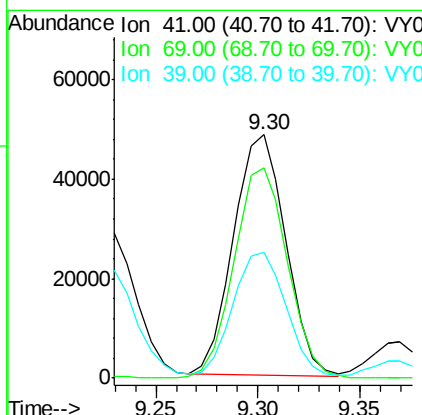
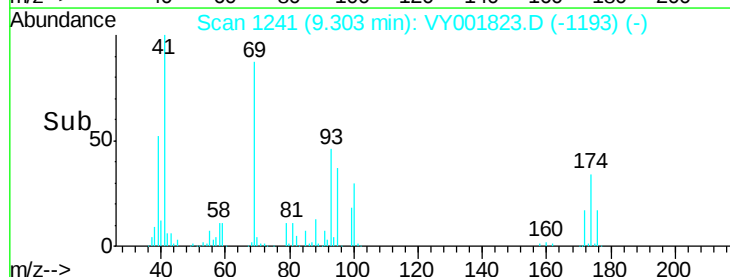
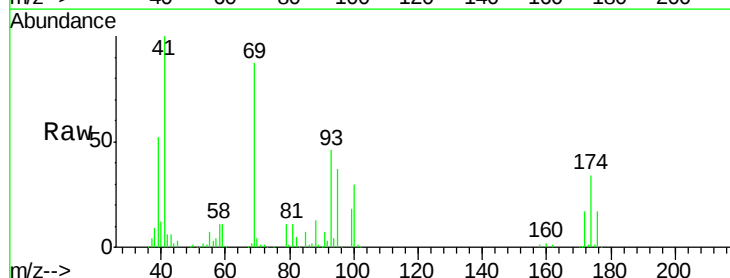
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

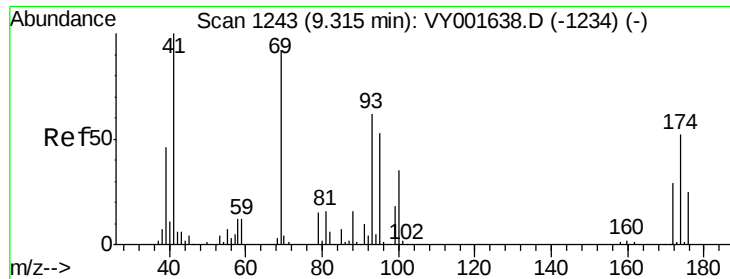
Tgt Ion: 83 Resp: 155710
Ion Ratio Lower Upper
83 100
85 63.1 51.4 77.0
127 8.0 6.4 9.6



#48
Methyl methacrylate
Concen: 52.00 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 41 Resp: 85880
Ion Ratio Lower Upper
41 100
69 89.8 70.7 106.1
39 51.5 42.2 63.2





#49

1,4-Dioxane

Concen: 1032.98 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

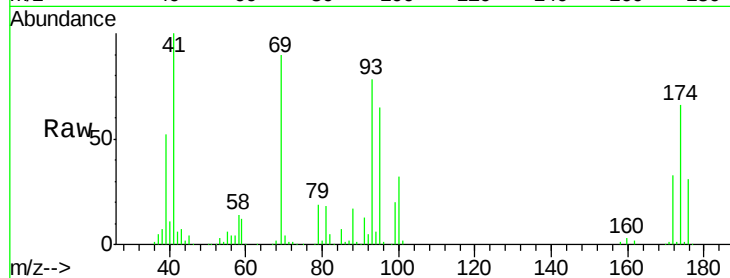
Tgt Ion: 88 Resp: 18126

Ion Ratio Lower Upper

88 100

43 32.7 23.1 34.7

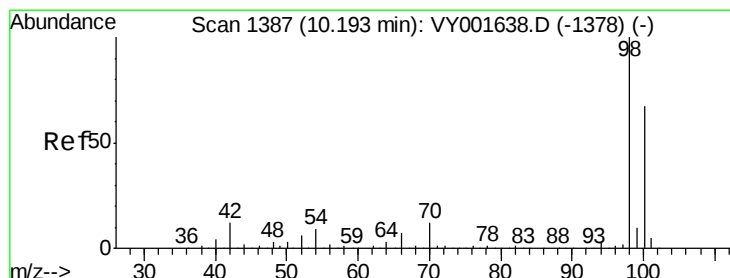
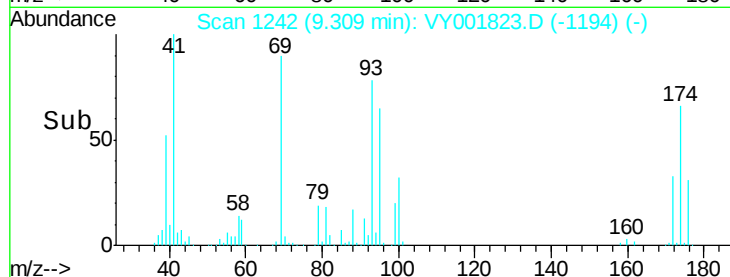
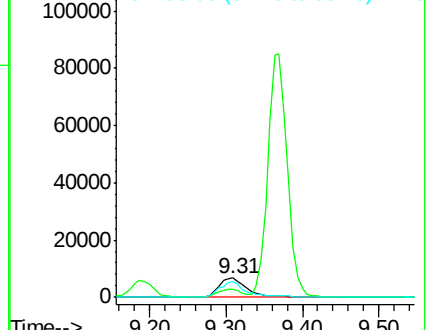
58 75.5 58.1 87.1



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 52.46 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001823.D

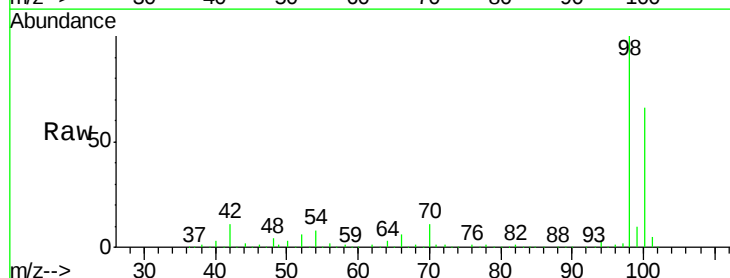
Acq: 02 Mar 2020 17:04

Tgt Ion: 98 Resp: 397404

Ion Ratio Lower Upper

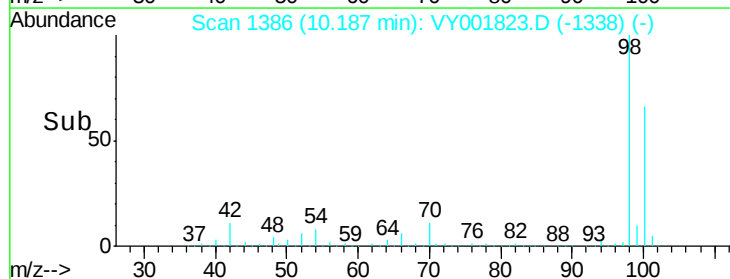
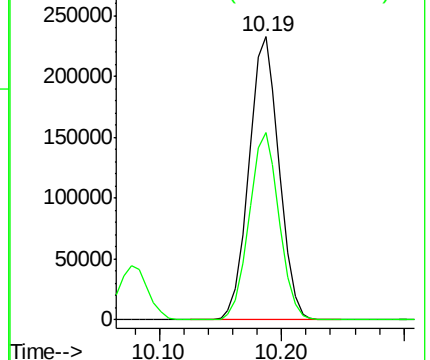
98 100

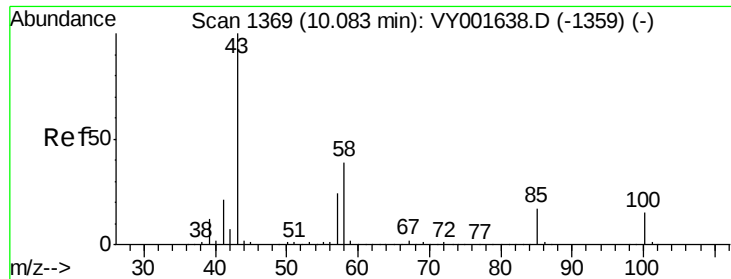
100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 265.97 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

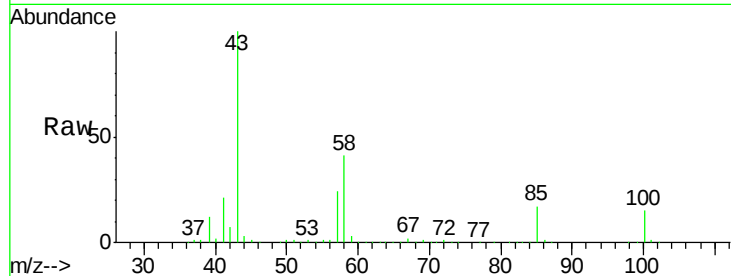
VSTDCCC050EC

Tgt Ion: 43 Resp: 499057

Ion Ratio Lower Upper

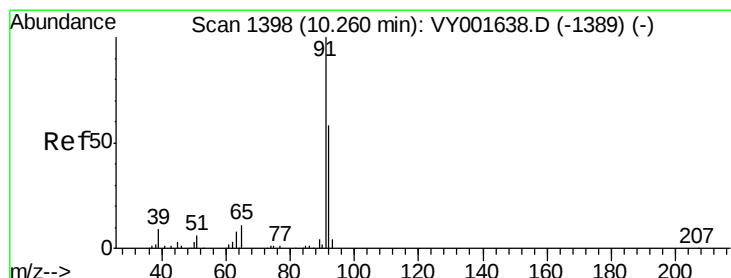
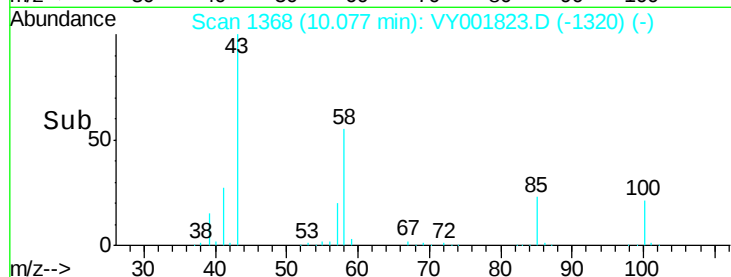
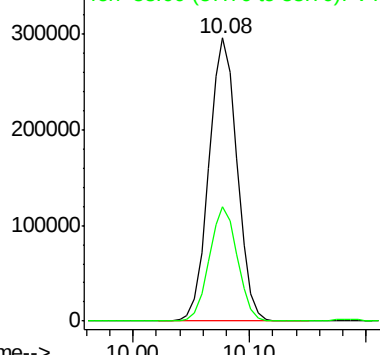
43 100

58 40.4 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 50.68 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001823.D

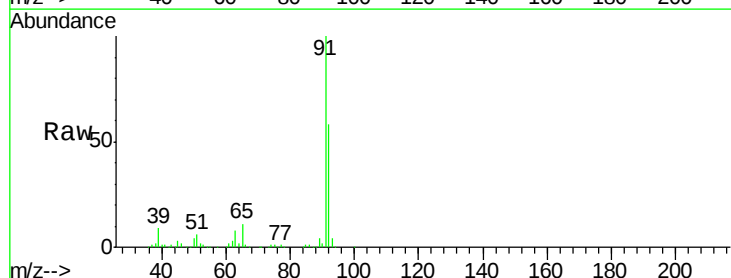
Acq: 02 Mar 2020 17:04

Tgt Ion: 92 Resp: 299838

Ion Ratio Lower Upper

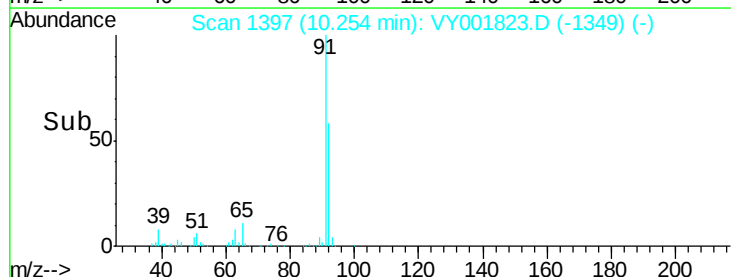
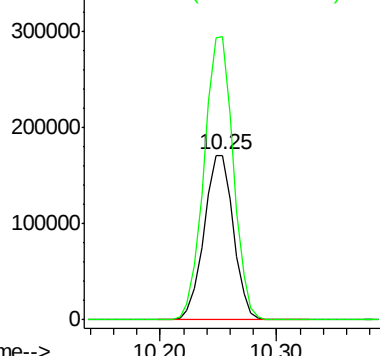
92 100

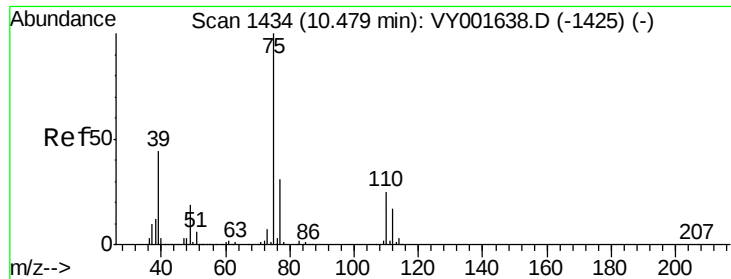
91 171.7 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 51.51 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

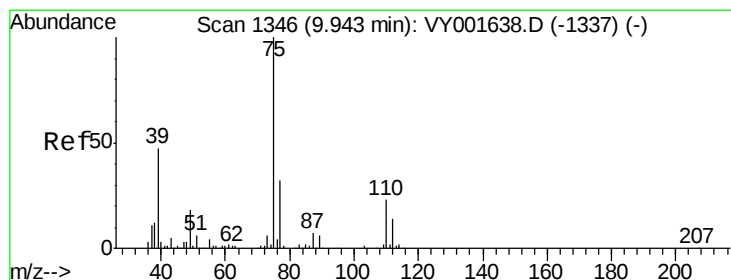
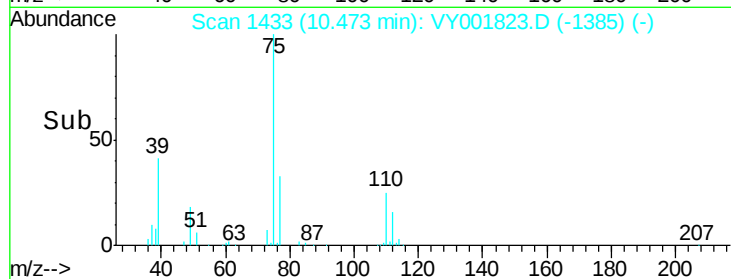
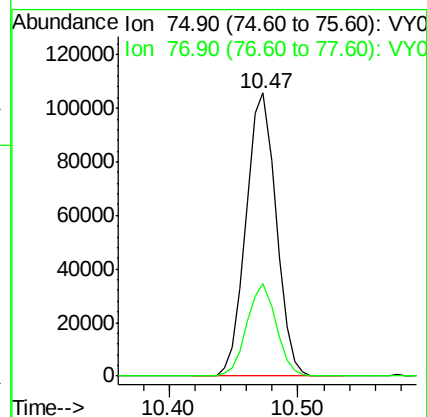
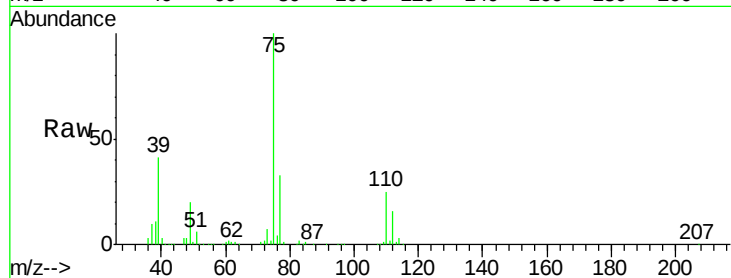
VSTDCCC050EC

Tgt Ion: 75 Resp: 170752

Ion Ratio Lower Upper

75 100

77 32.9 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 52.19 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

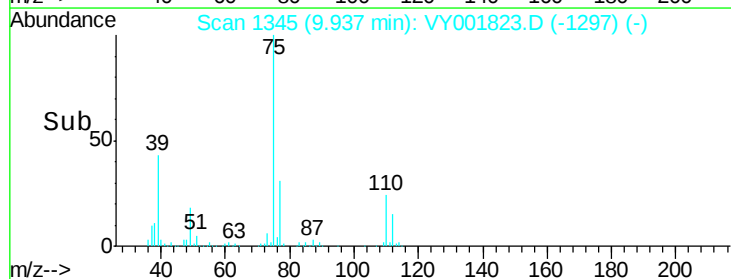
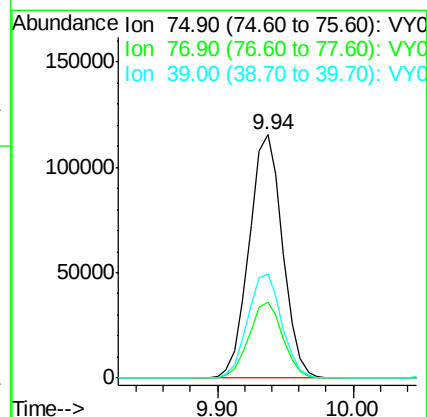
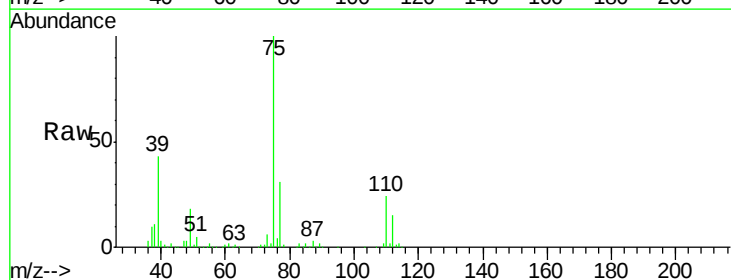
Tgt Ion: 75 Resp: 199094

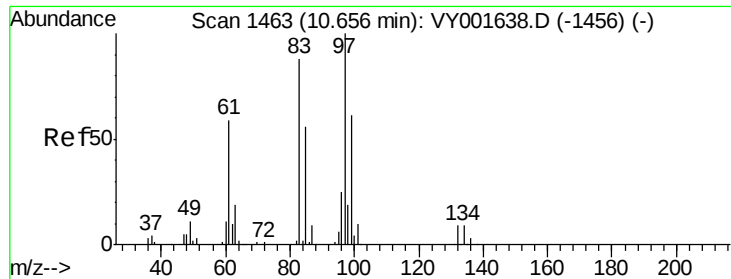
Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5

39 42.9 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 53.36 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 97748

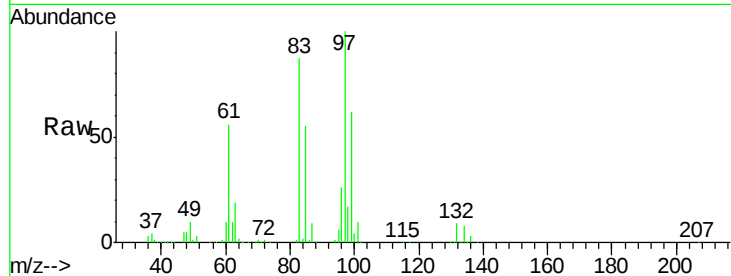
Ion Ratio Lower Upper

97 100

83 87.3 69.7 104.5

85 55.1 44.5 66.7

99 62.0 49.6 74.4

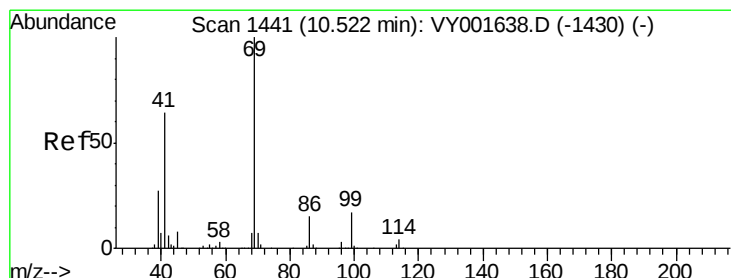
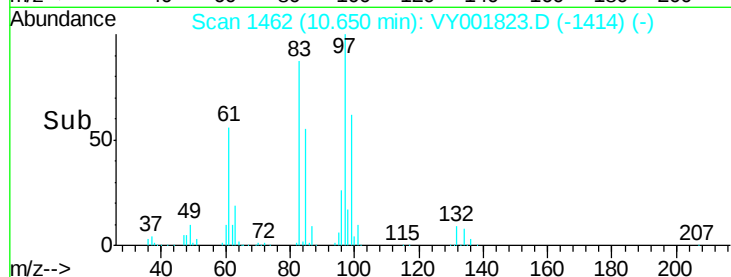
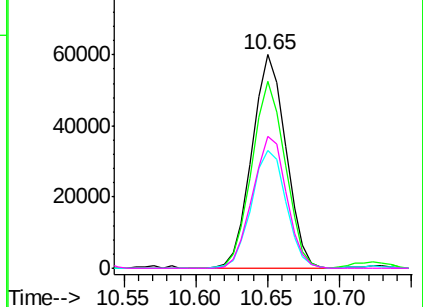


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 54.06 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

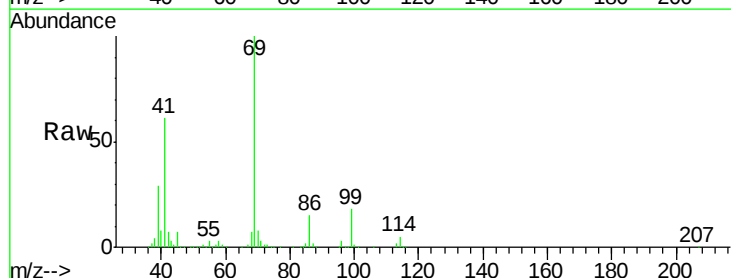
Tgt Ion: 69 Resp: 148574

Ion Ratio Lower Upper

69 100

41 63.4 51.0 76.4

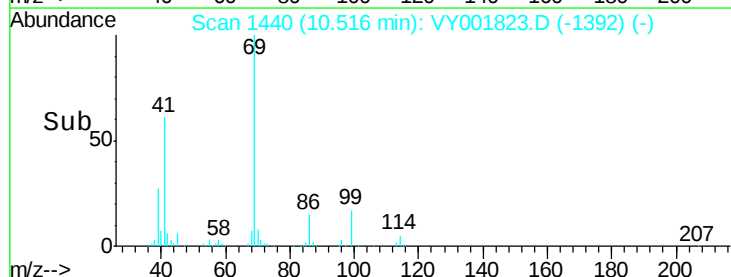
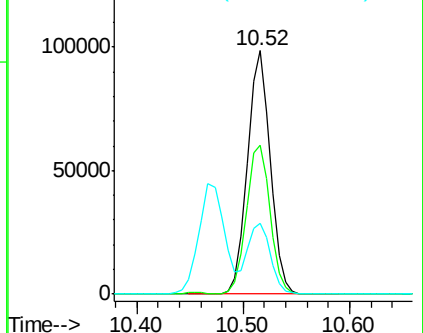
39 30.2 24.7 37.1

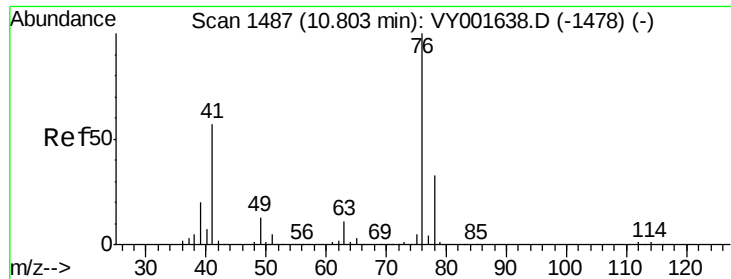


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

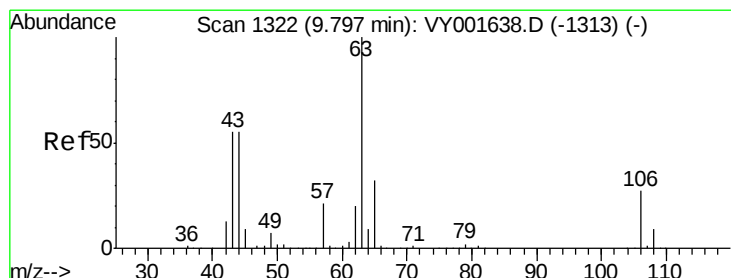
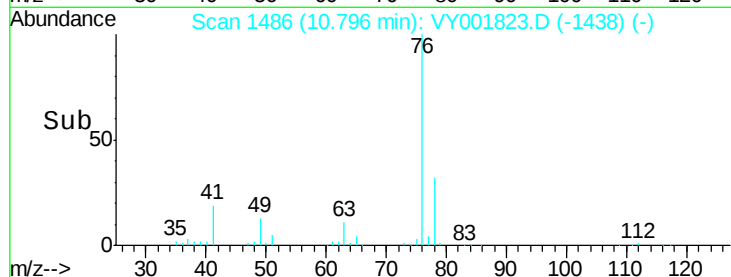
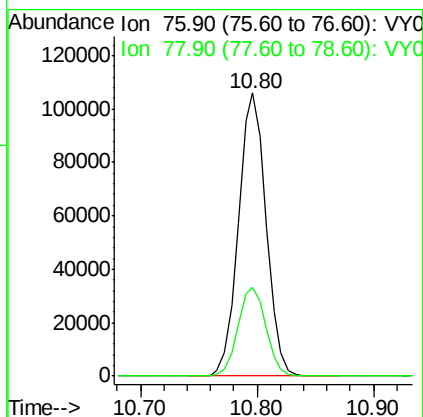
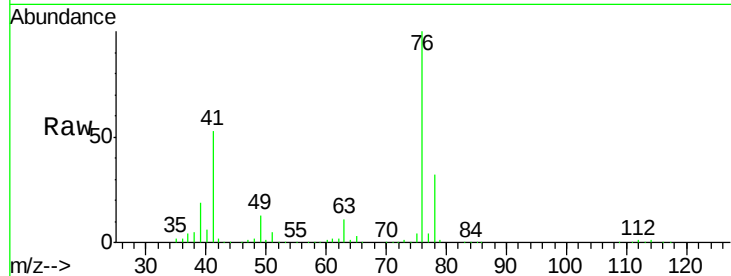




#57
 1,3-Dichloropropane
 Concen: 53.58 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

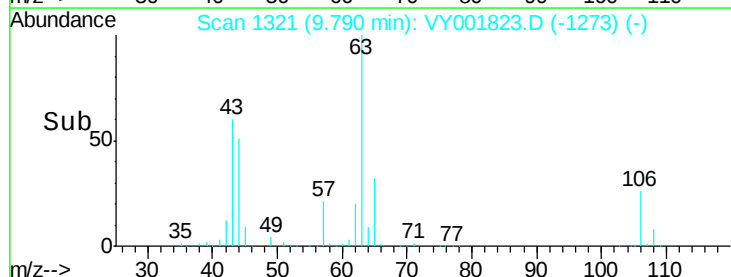
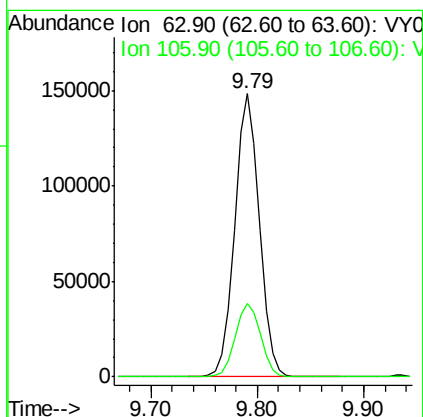
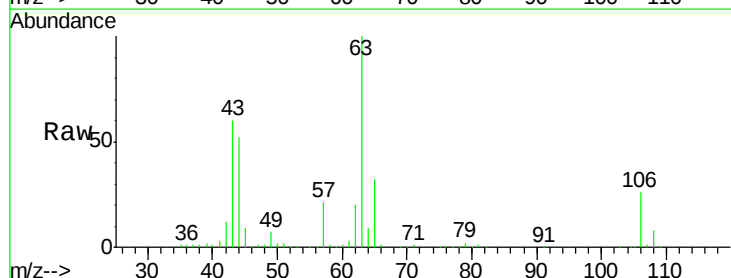
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

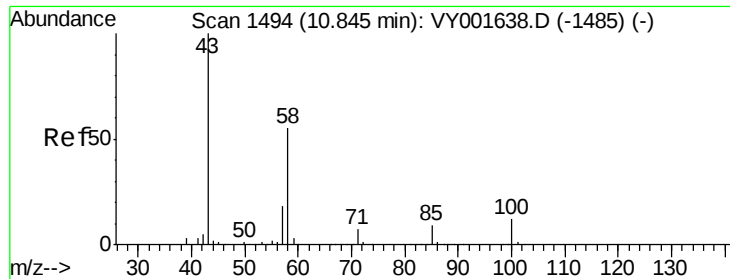
Tgt Ion: 76 Resp: 174401
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.35 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion: 63 Resp: 239629
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.6 32.4

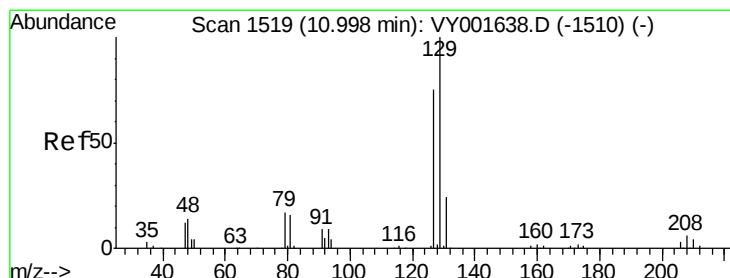
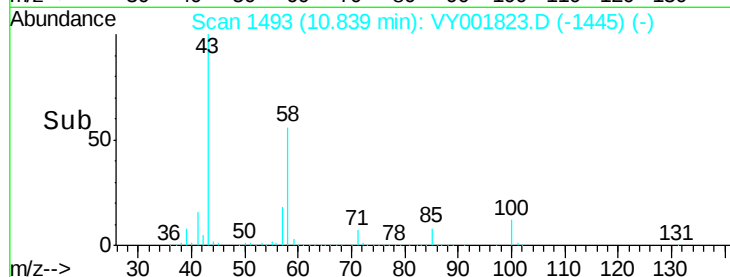
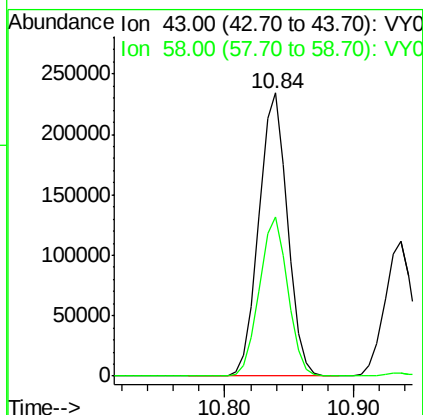
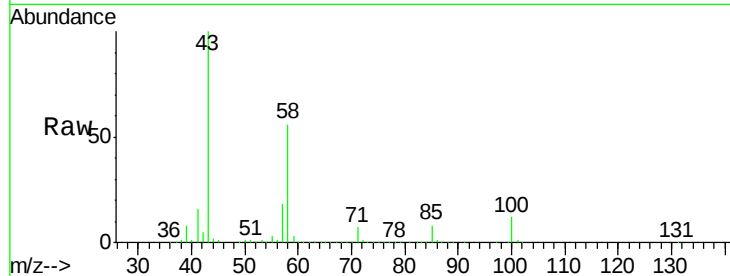




#59
2-Hexanone
Concen: 254.42 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

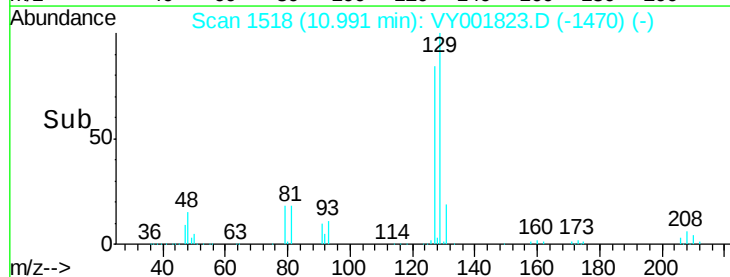
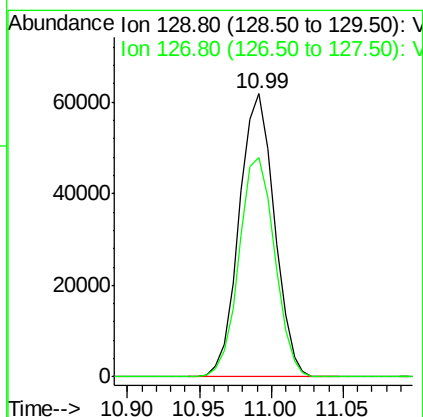
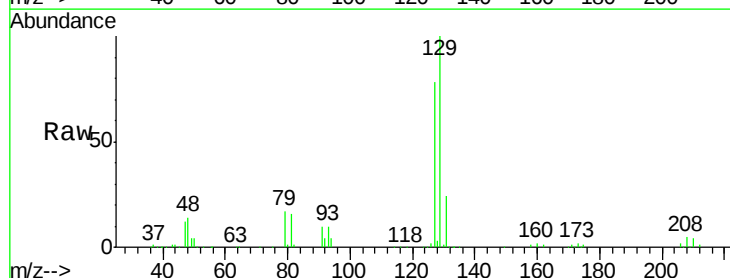
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

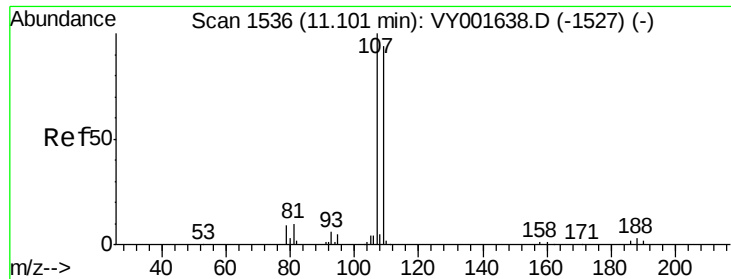
Tgt Ion: 43 Resp: 358186
Ion Ratio Lower Upper
43 100
58 56.2 28.4 85.2



#60
Dibromochloromethane
Concen: 51.97 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 129 Resp: 104974
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6

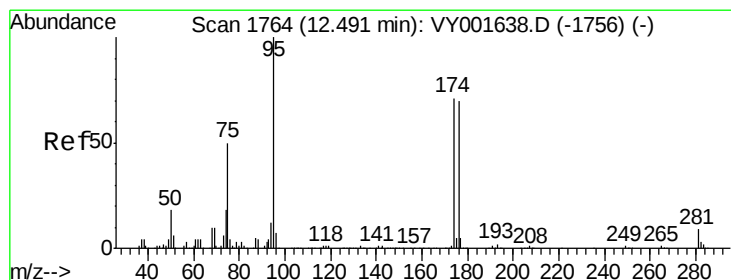
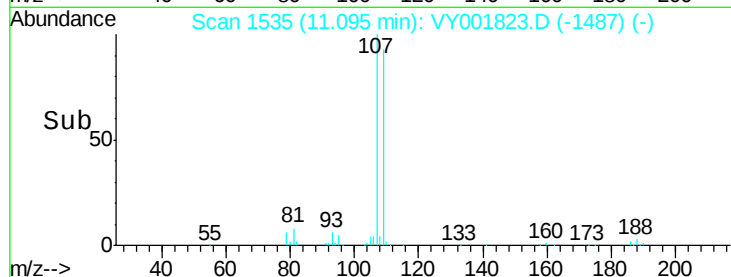
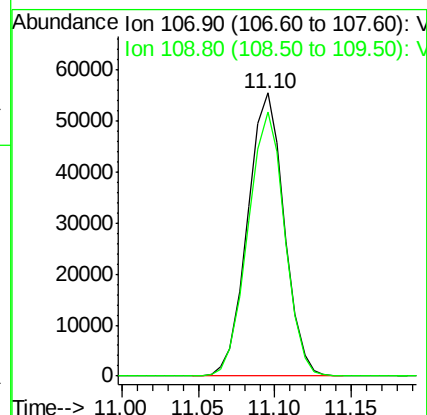
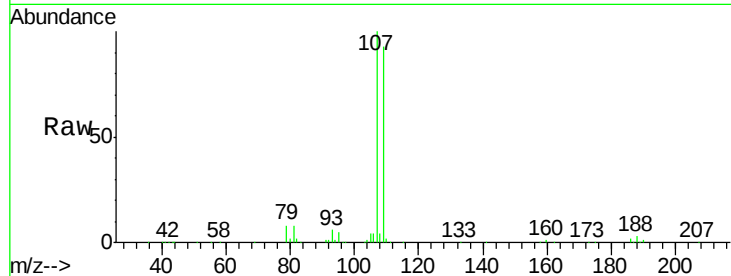




#61
 1,2-Dibromoethane
 Concen: 53.28 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

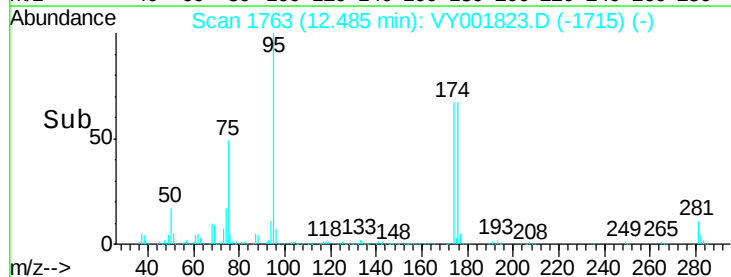
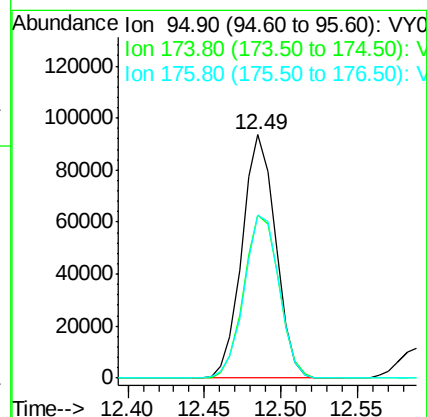
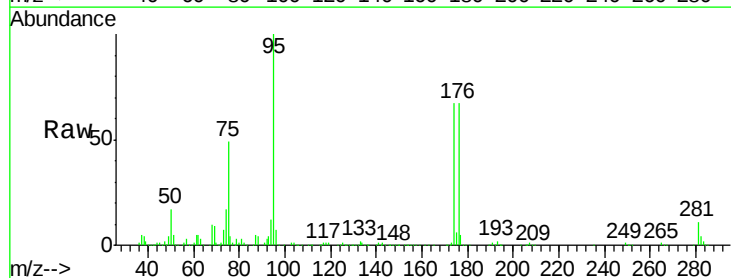
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 92292
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 48.56 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion: 95 Resp: 142913
 Ion Ratio Lower Upper
 95 100
 174 70.1 0.0 138.4
 176 69.6 0.0 131.8

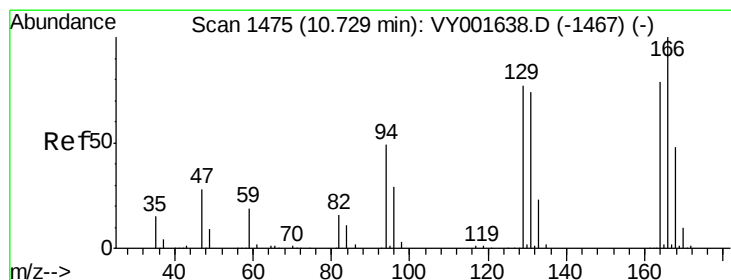
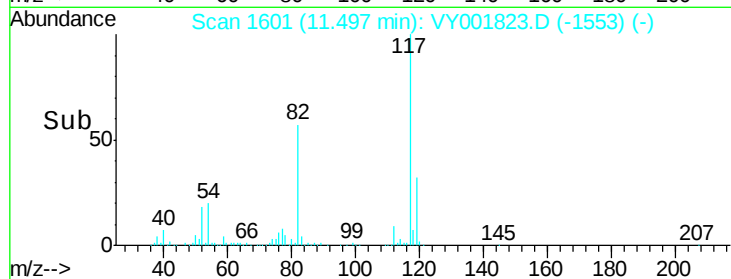
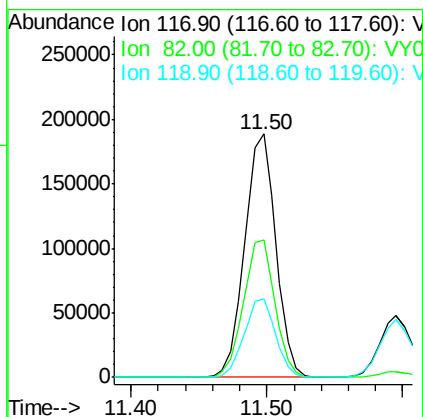
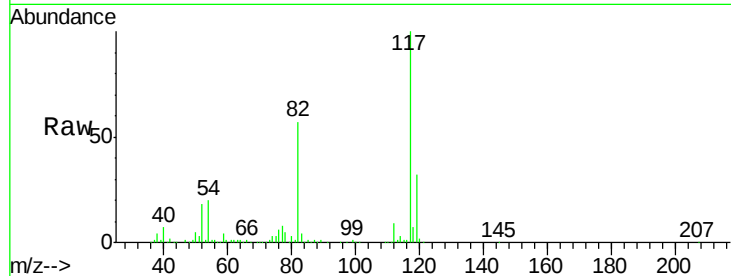




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

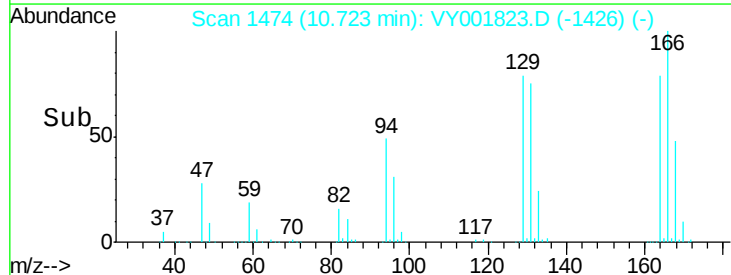
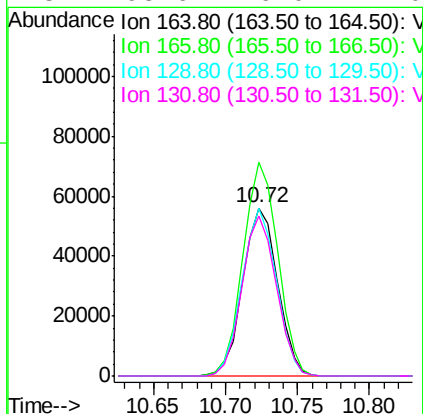
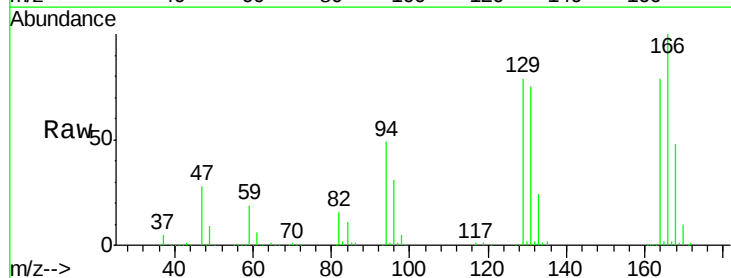
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

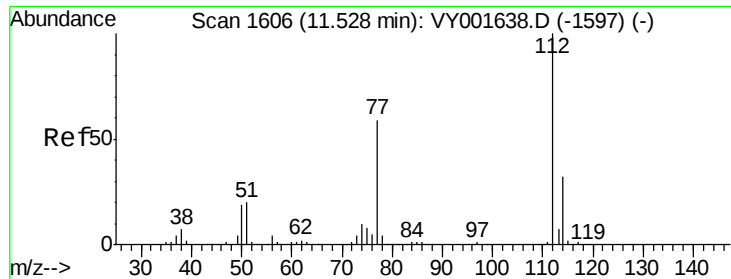
Tgt Ion:117 Resp: 301609
Ion Ratio Lower Upper
117 100
82 56.7 45.5 68.3
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 49.51 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion:164 Resp: 93735
Ion Ratio Lower Upper
164 100
166 127.4 101.4 152.0
129 100.1 78.7 118.1
131 95.6 76.0 114.0

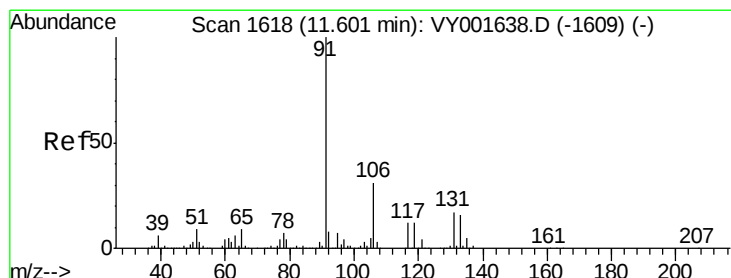
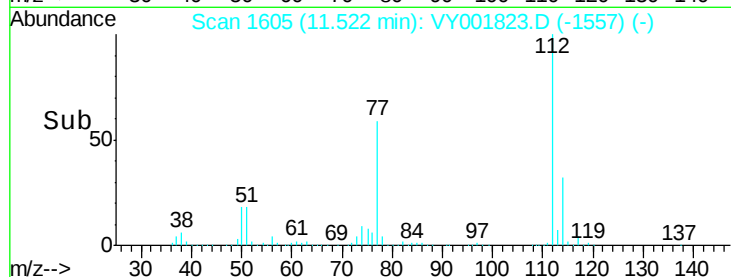
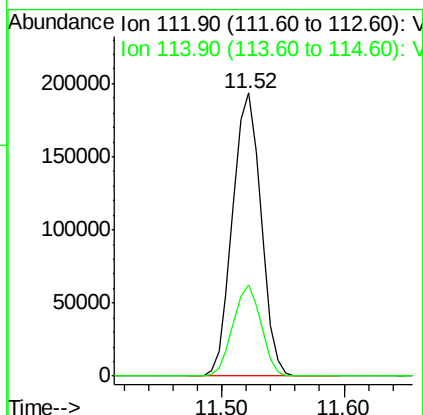
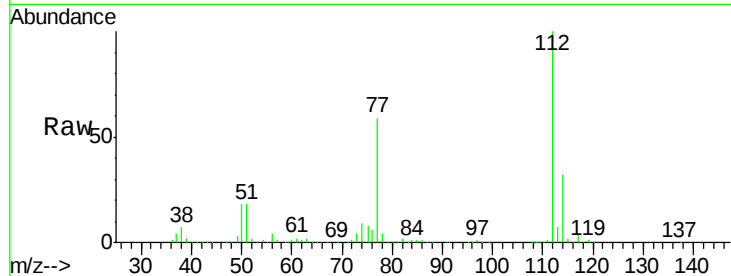




#65
Chlorobenzene
Concen: 51.76 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

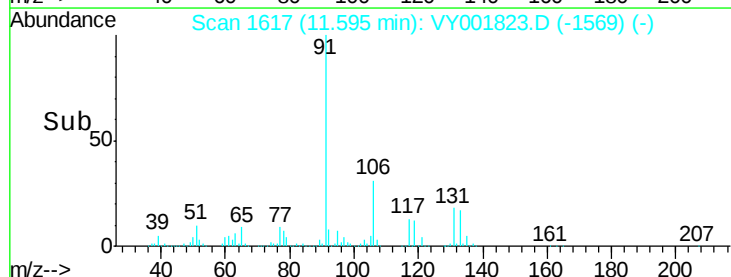
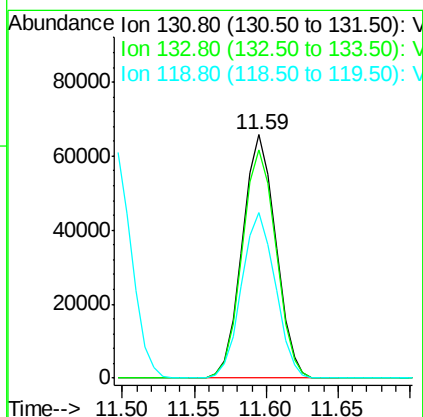
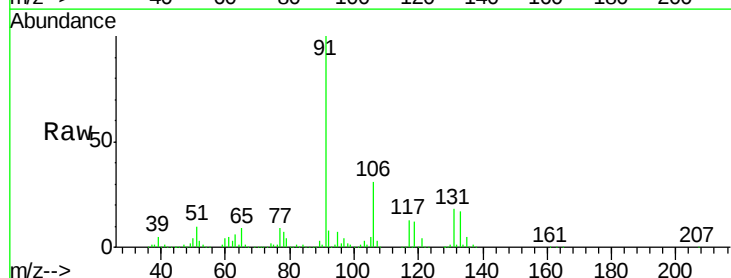
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

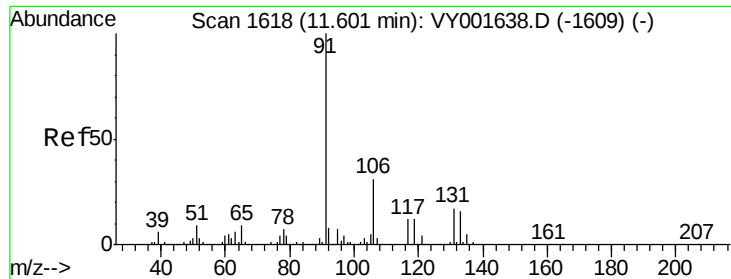
Tgt Ion:112 Resp: 311661
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.23 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion:131 Resp: 106088
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 68.5 34.4 103.1

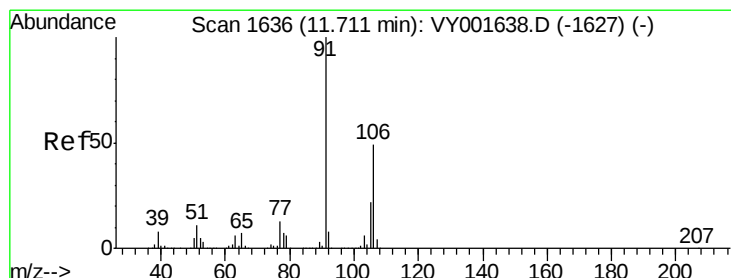
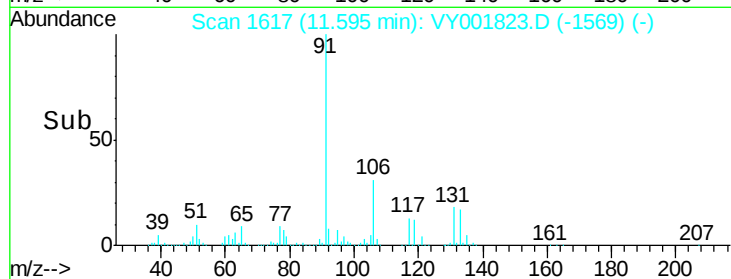
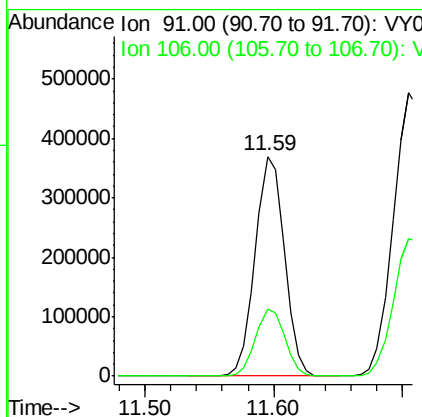
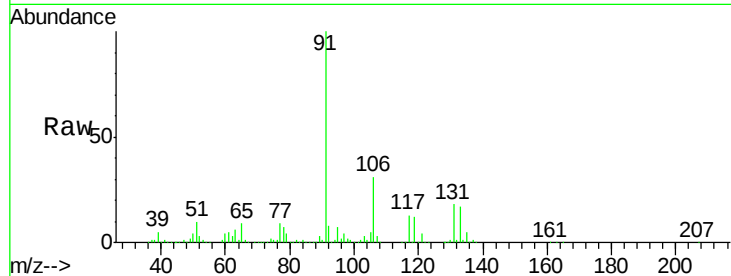




#67
Ethyl Benzene
Concen: 51.81 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

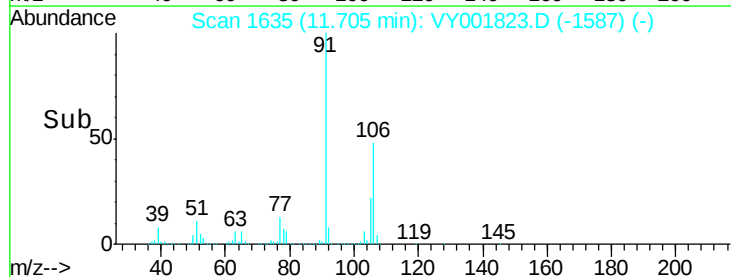
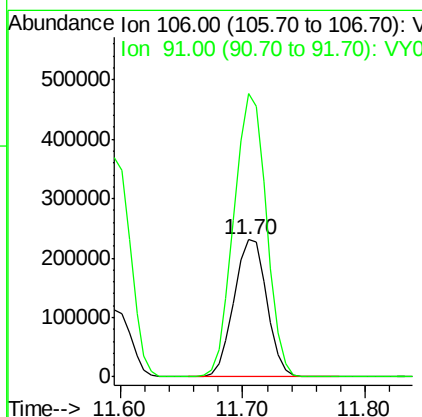
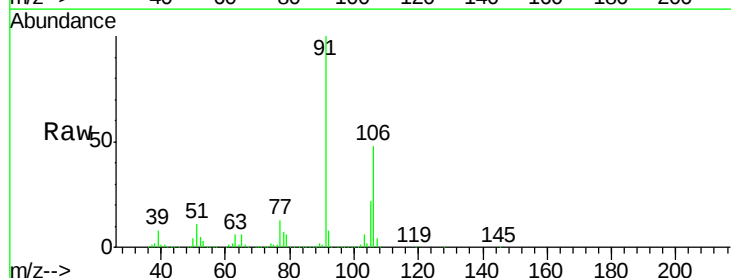
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 578957
Ion Ratio Lower Upper
91 100
106 30.7 24.5 36.7



#68
m/p-Xylenes
Concen: 102.83 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 106 Resp: 429249
Ion Ratio Lower Upper
106 100
91 204.1 163.3 244.9

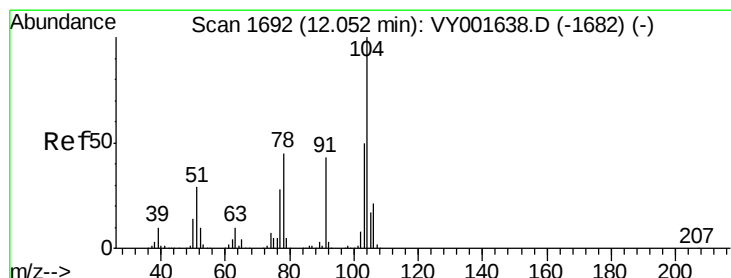
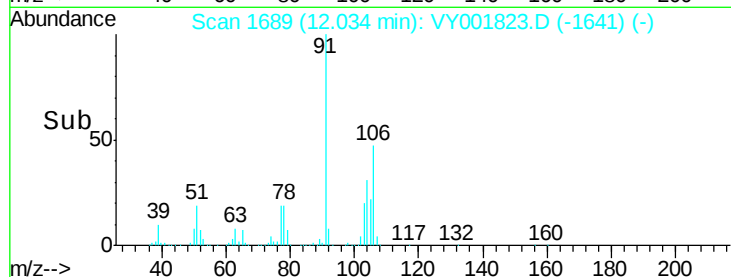
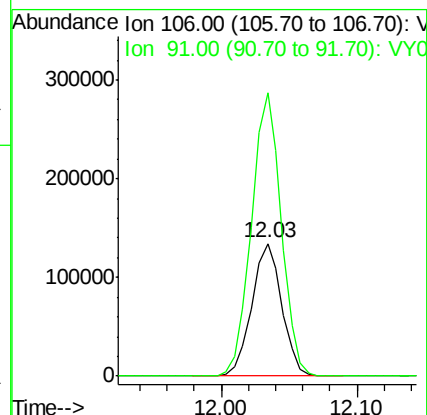
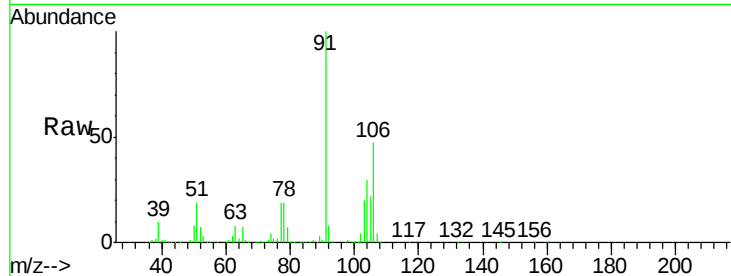




#69
o-Xylene
Concen: 52.11 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

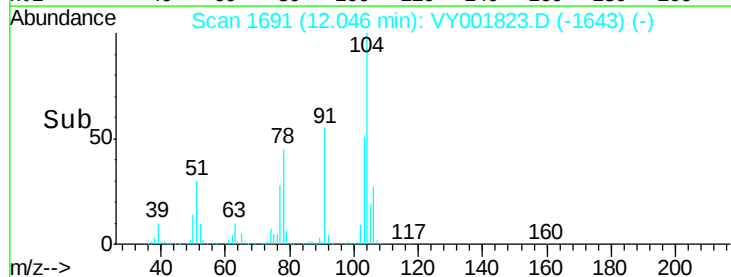
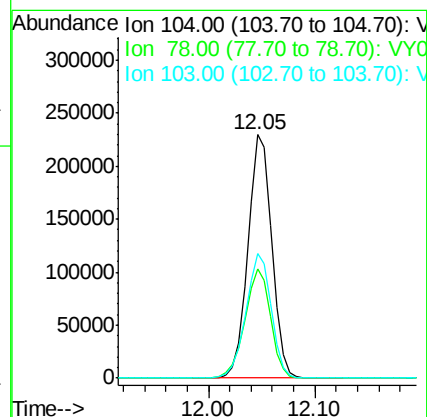
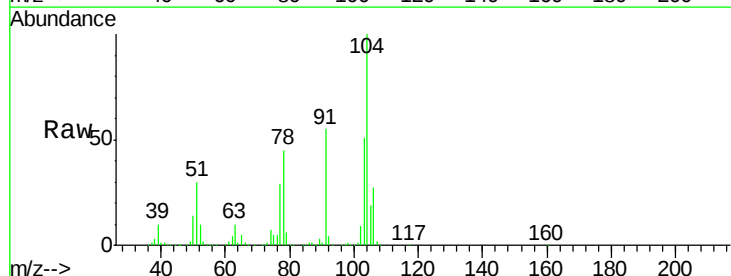
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

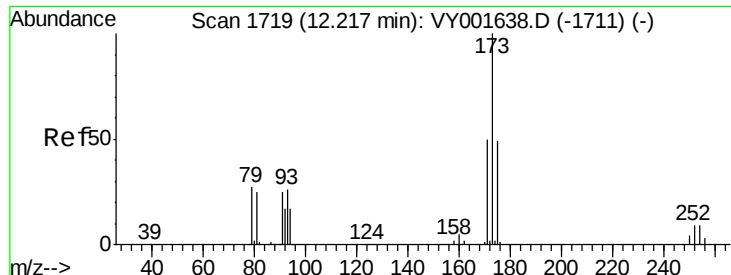
Tgt Ion:106 Resp: 206805
Ion Ratio Lower Upper
106 100
91 213.3 108.3 324.9



#70
Styrene
Concen: 52.29 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion:104 Resp: 360638
Ion Ratio Lower Upper
104 100
78 48.3 39.2 58.8
103 54.4 43.0 64.6





#71

Bromoform

Concen: 52.39 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

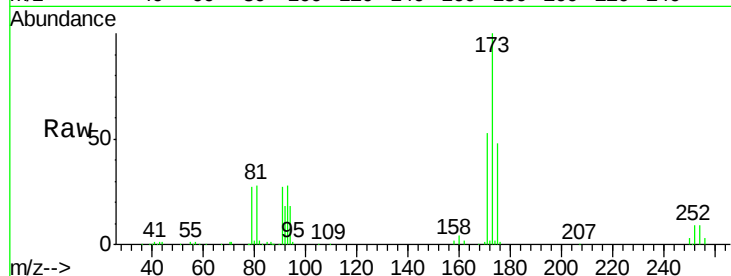
Tgt Ion:173 Resp: 60814

Ion Ratio Lower Upper

173 100

175 48.6 24.3 73.0

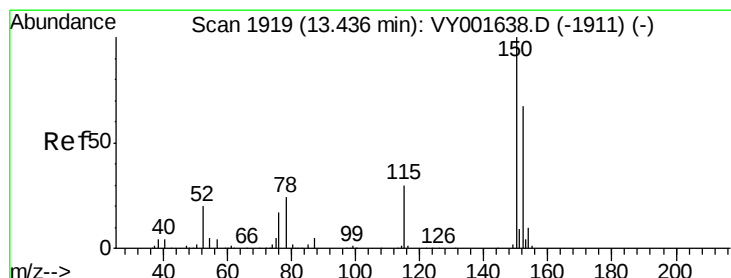
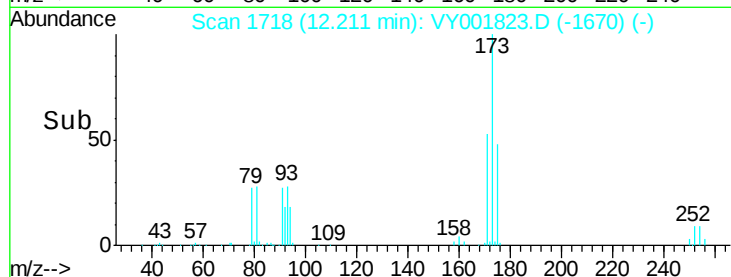
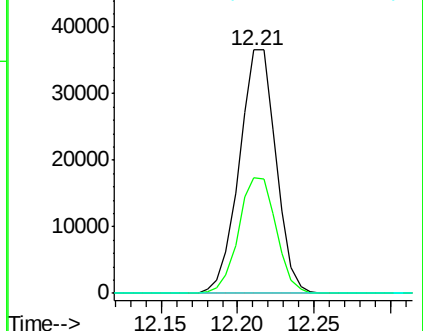
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

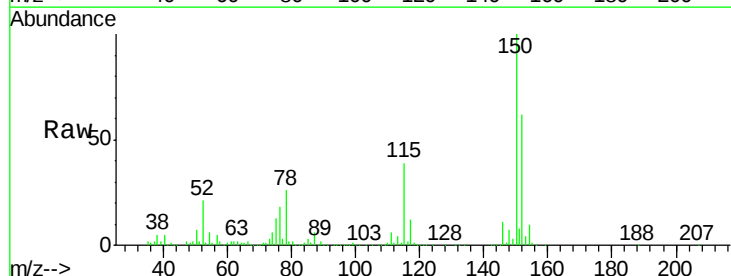
Tgt Ion:152 Resp: 141126

Ion Ratio Lower Upper

152 100

115 62.4 31.4 94.2

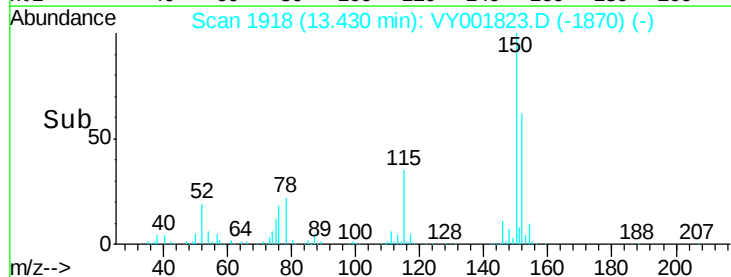
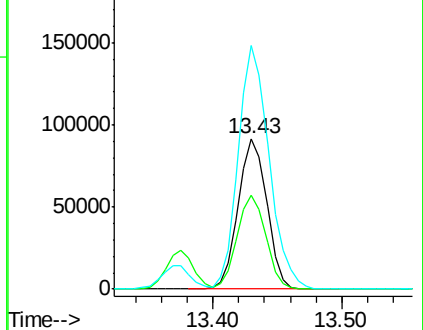
150 174.5 0.0 407.2

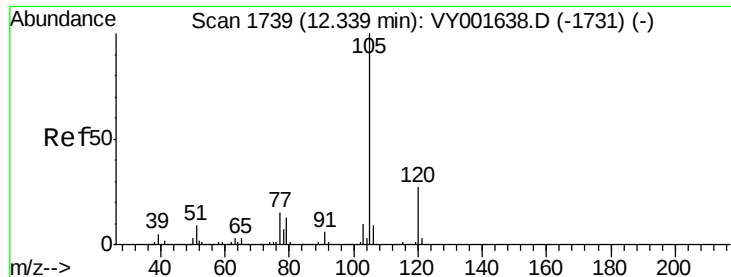


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.16 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

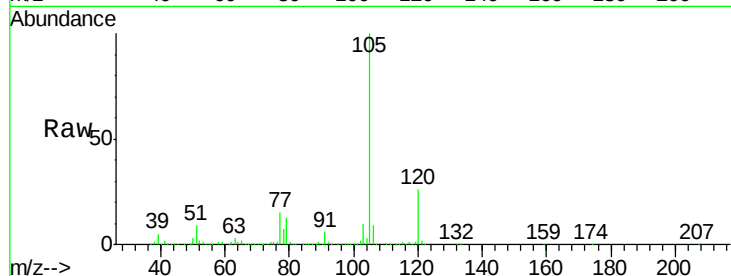
VSTDCCC050EC

Tgt Ion:105 Resp: 550056

Ion Ratio Lower Upper

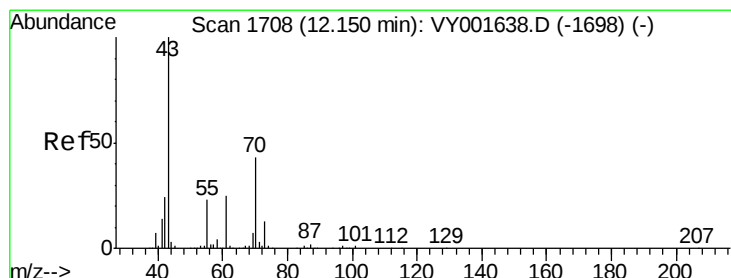
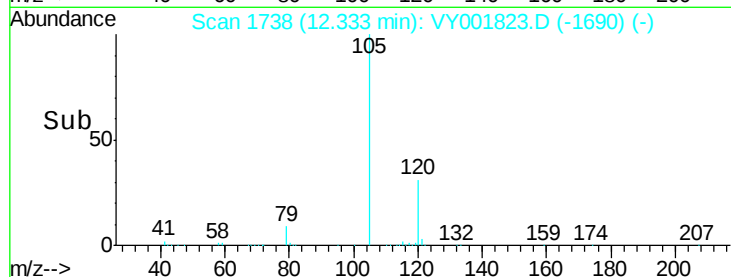
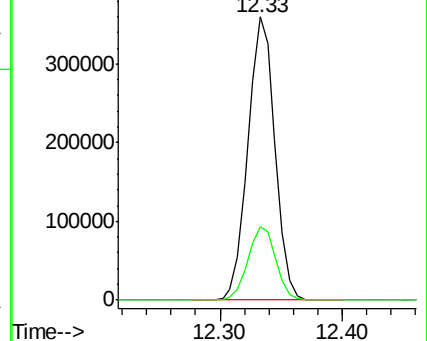
105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.48 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Tgt Ion: 43 Resp: 180059

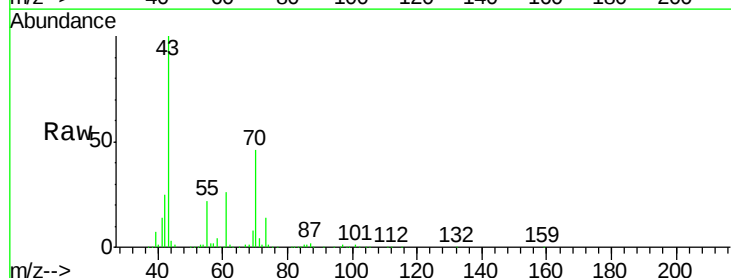
Ion Ratio Lower Upper

43 100

70 45.4 35.9 53.9

55 22.9 18.3 27.5

61 25.7 20.7 31.1

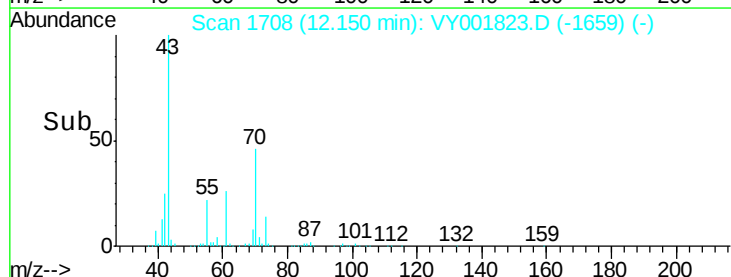
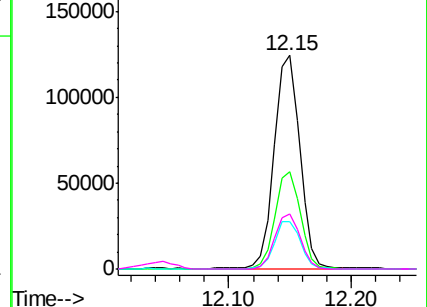


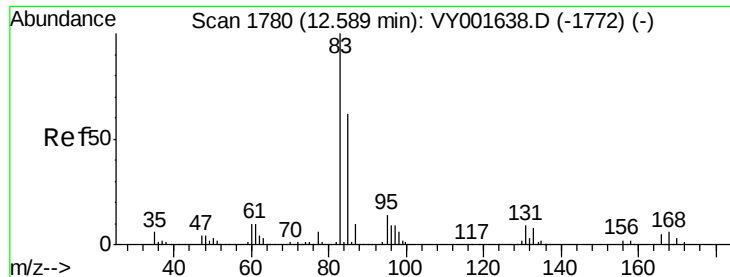
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 54.49 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

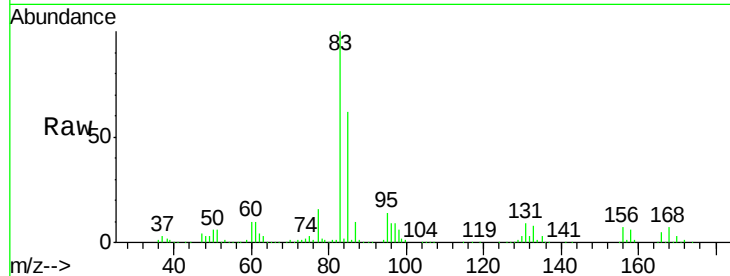
Tgt Ion: 83 Resp: 125080

Ion Ratio Lower Upper

83 100

131 9.6 4.7 14.1

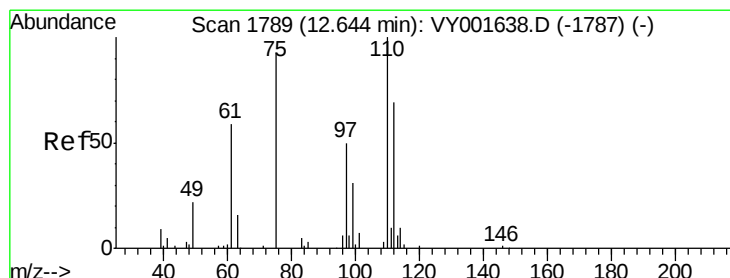
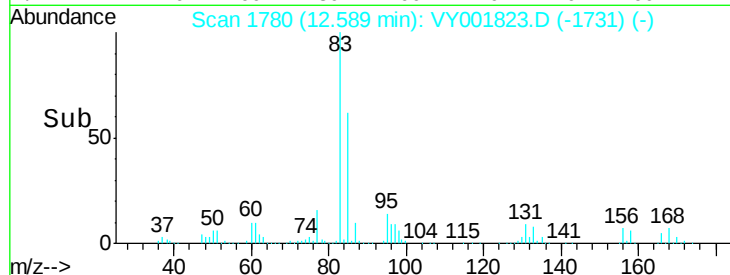
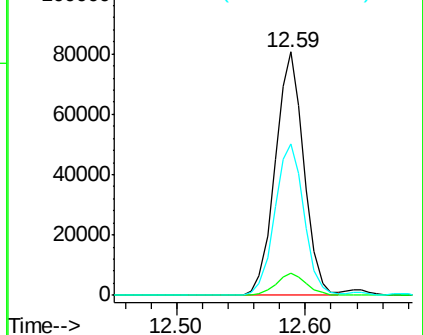
85 63.6 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 97.61 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VY001823.D

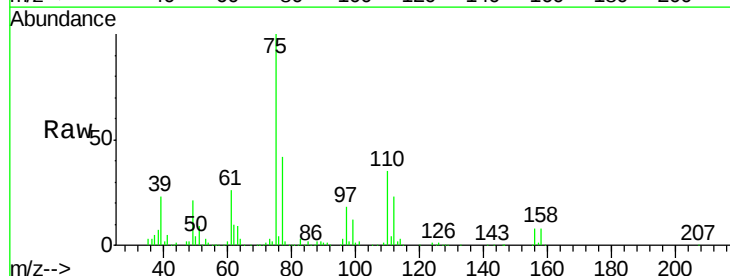
Acq: 02 Mar 2020 17:04

Tgt Ion: 75 Resp: 158026

Ion Ratio Lower Upper

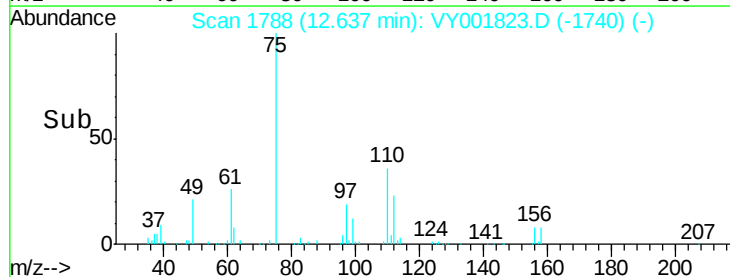
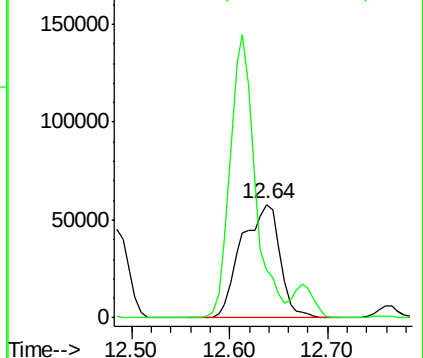
75 100

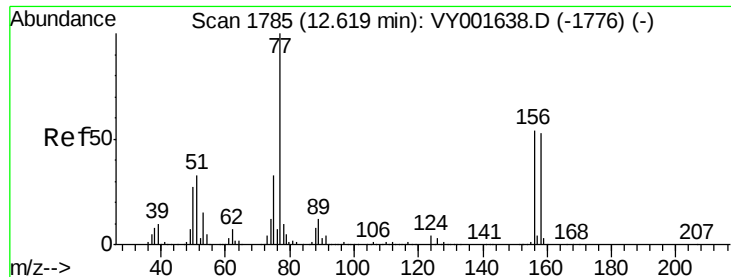
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

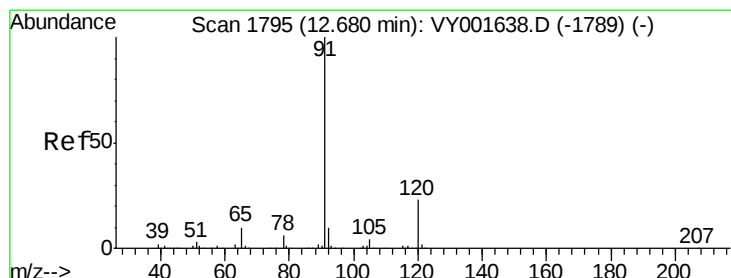
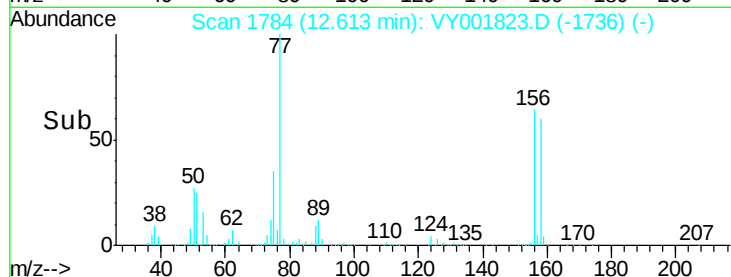
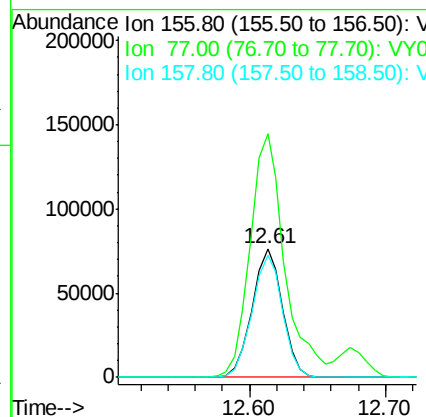
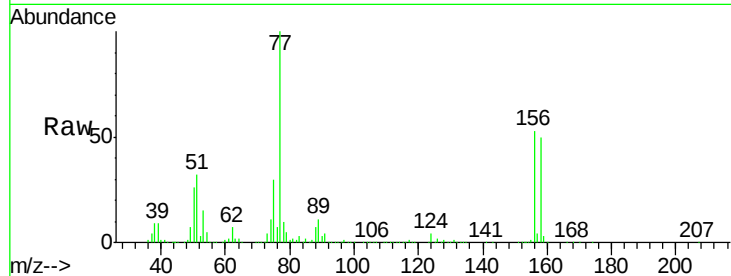




#77
Bromobenzene
Concen: 51.19 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

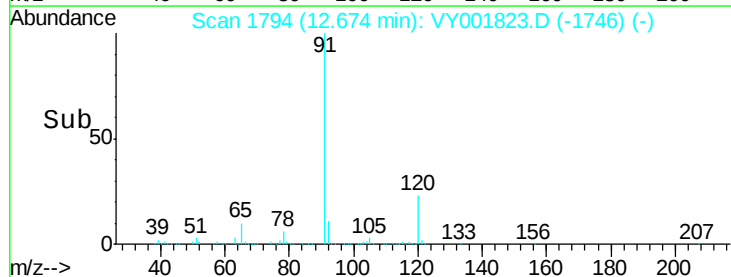
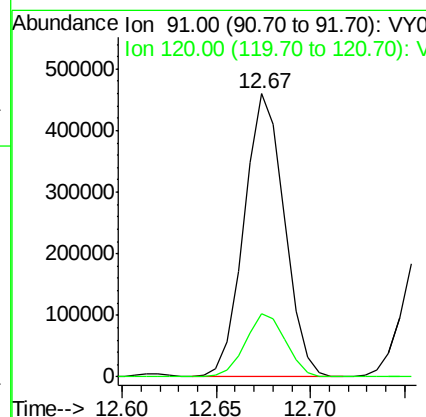
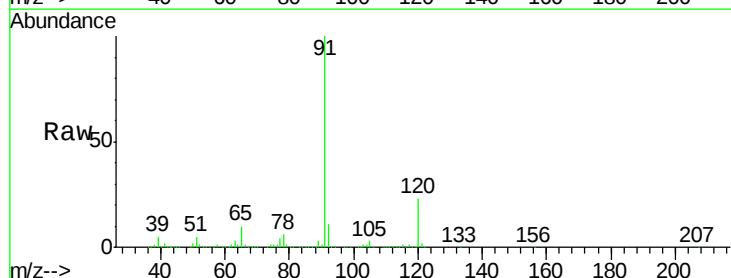
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

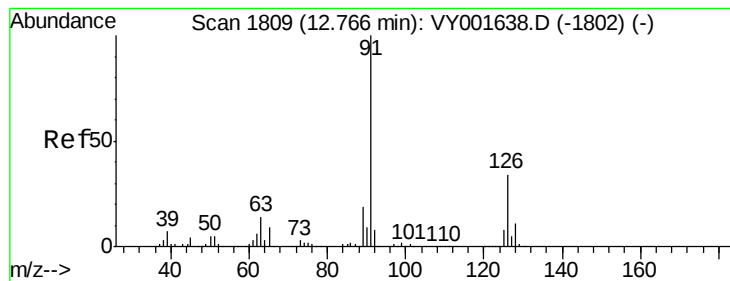
Tgt Ion:156 Resp: 119314
Ion Ratio Lower Upper
156 100
77 215.7 110.1 330.1
158 95.6 47.9 143.7



#78
n-propylbenzene
Concen: 51.98 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 91 Resp: 680665
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.1





#79

2-Chlorotoluene

Concen: 51.91 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

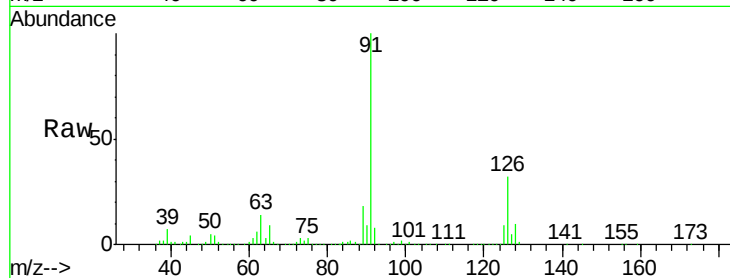
VSTDCCC050EC

Tgt Ion: 91 Resp: 381224

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.6



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

Ion 125.90 (125.60 to 126.60): VY001638.D (-1802) (-)

400000

300000

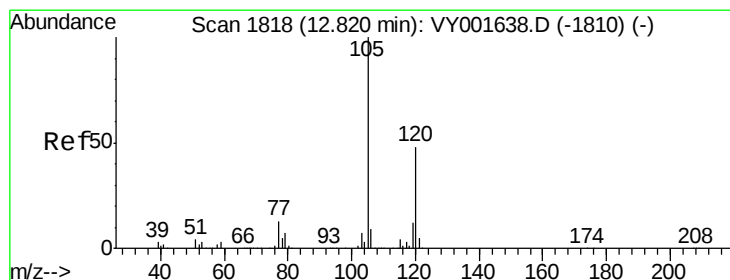
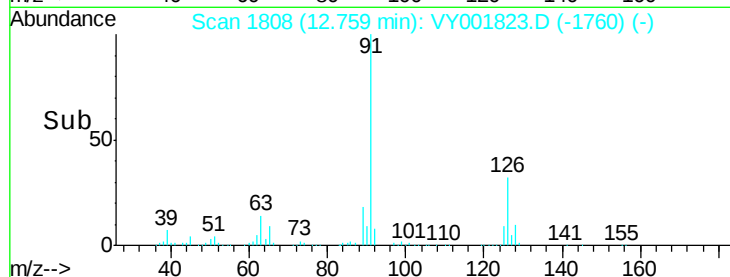
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.91 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001823.D

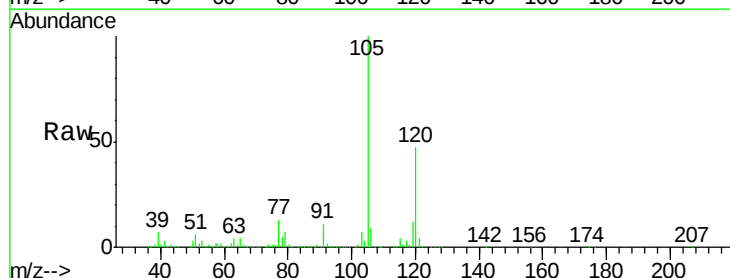
Acq: 02 Mar 2020 17:04

Tgt Ion: 105 Resp: 461993

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9



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

Ion 120.00 (119.70 to 120.70): VY001638.D (-1810) (-)

300000

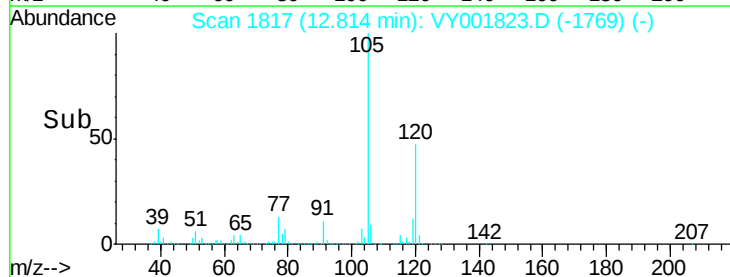
200000

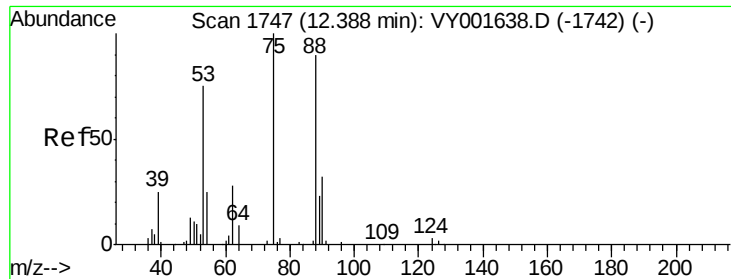
100000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.38 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

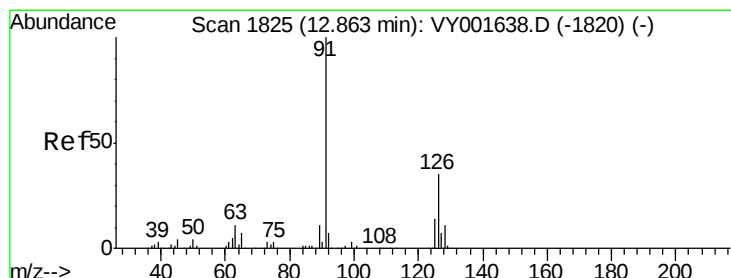
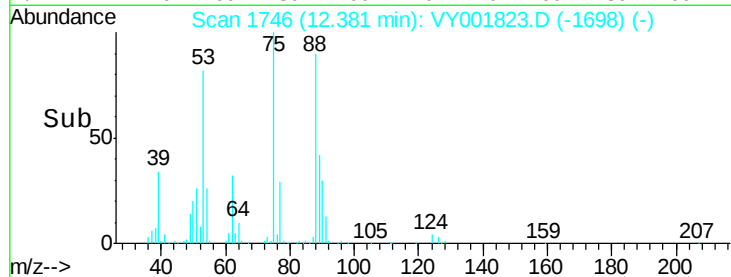
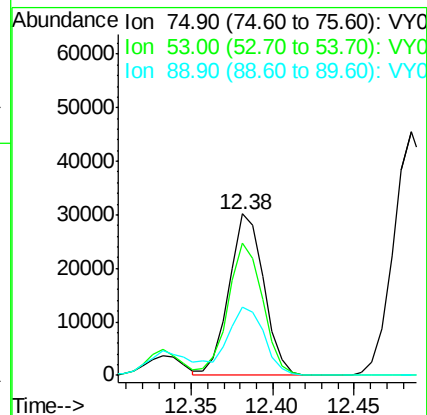
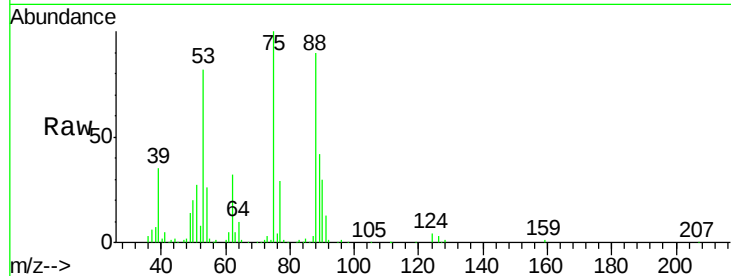
Tgt Ion: 75 Resp: 44698

Ion Ratio Lower Upper

75 100

53 82.5 64.5 96.7

89 42.9 36.3 54.5



#82

4-Chlorotoluene

Concen: 51.52 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001823.D

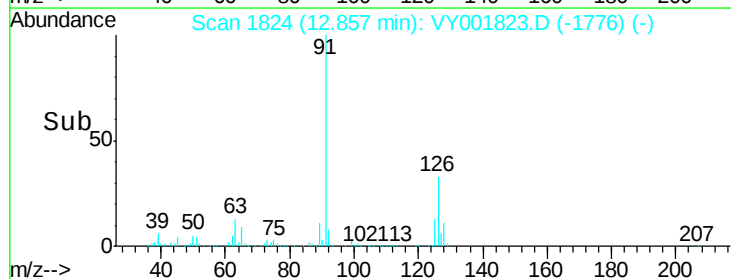
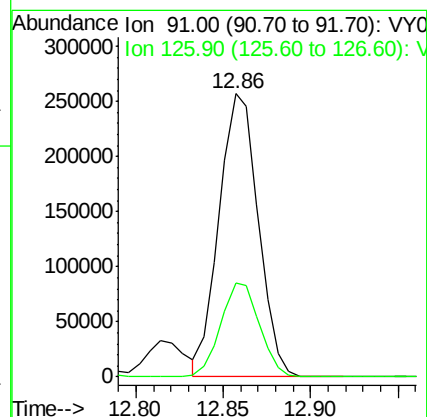
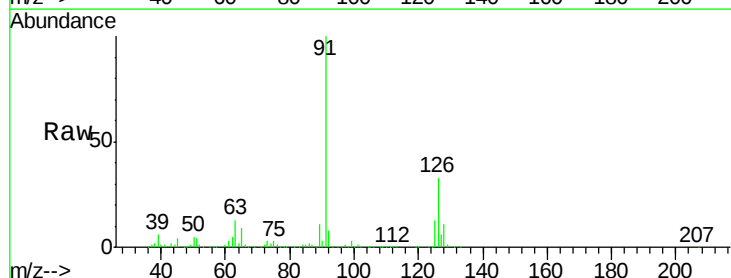
Acq: 02 Mar 2020 17:04

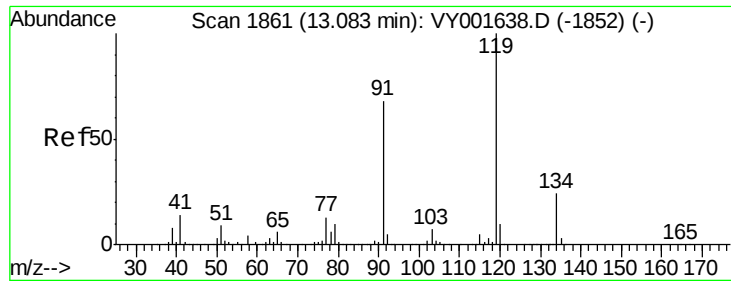
Tgt Ion: 91 Resp: 399071

Ion Ratio Lower Upper

91 100

126 33.0 16.2 48.6

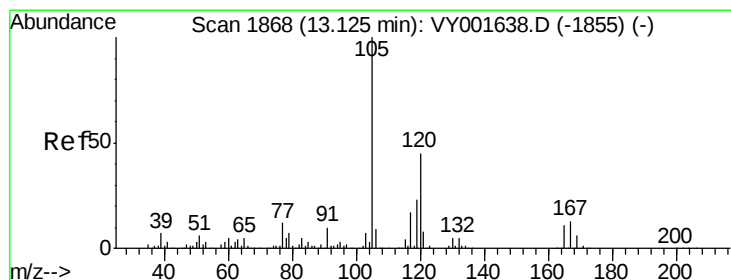
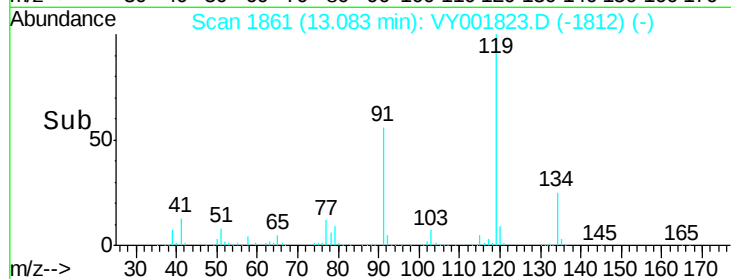
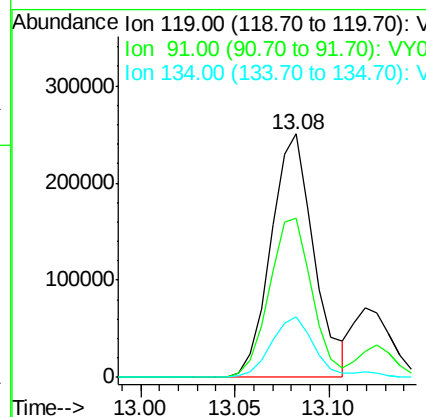
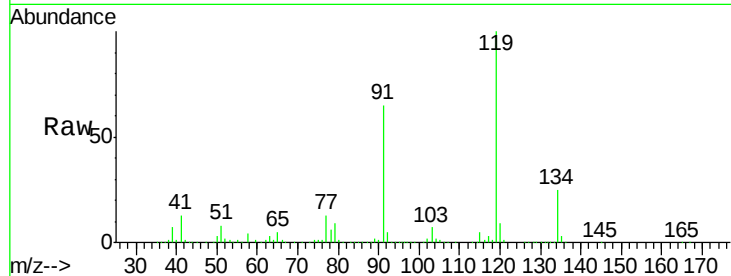




#83
 tert-Butylbenzene
 Concen: 52.99 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

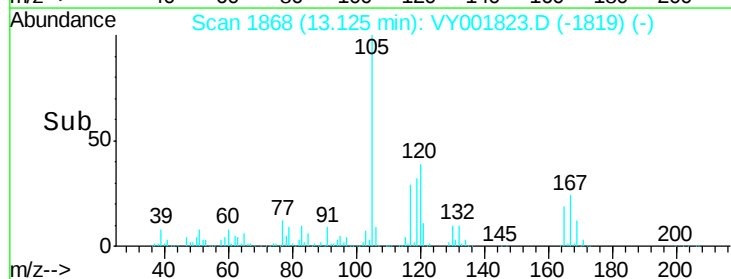
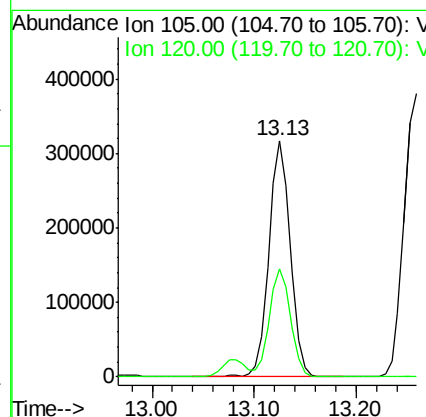
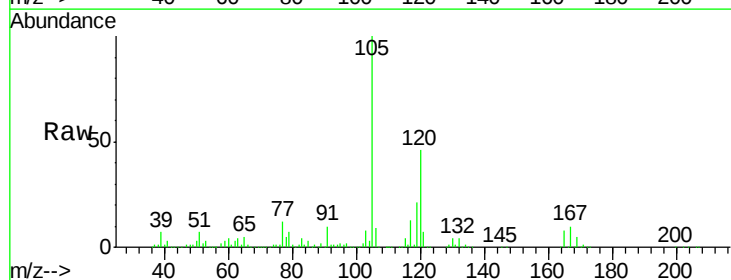
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

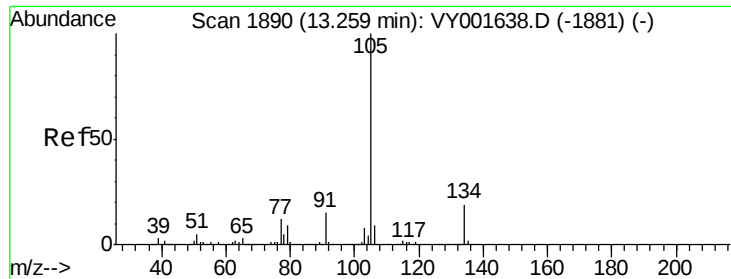
Tgt Ion:119 Resp: 394449
 Ion Ratio Lower Upper
 119 100
 91 65.0 33.5 100.5
 134 26.0 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.11 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion:105 Resp: 462311
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.3

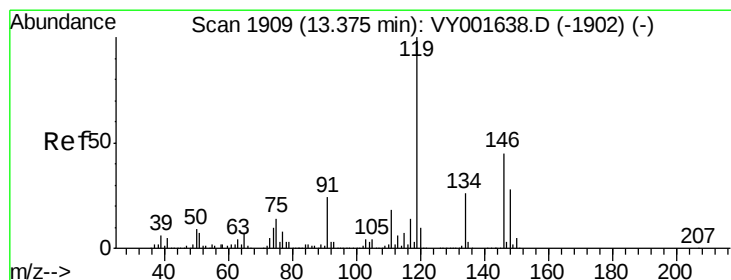
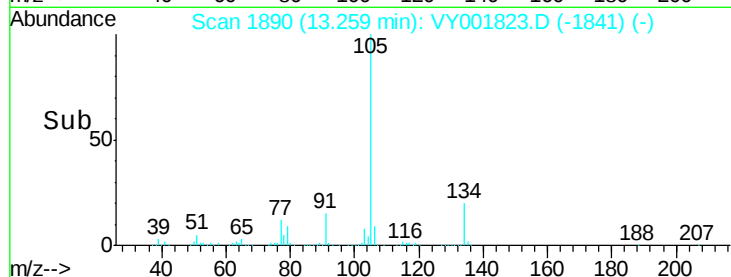
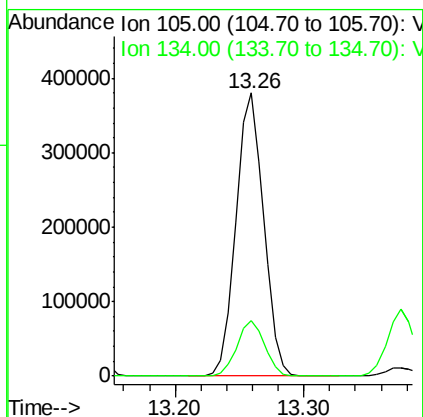
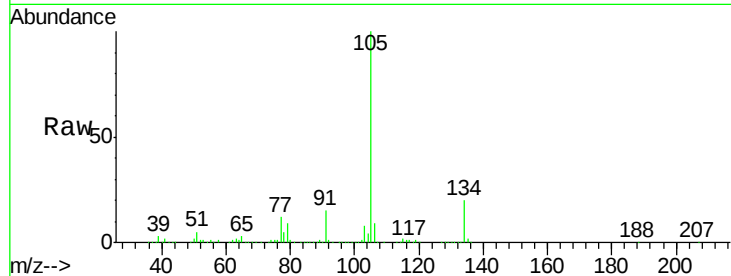




#85
 sec-Butylbenzene
 Concen: 51.65 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

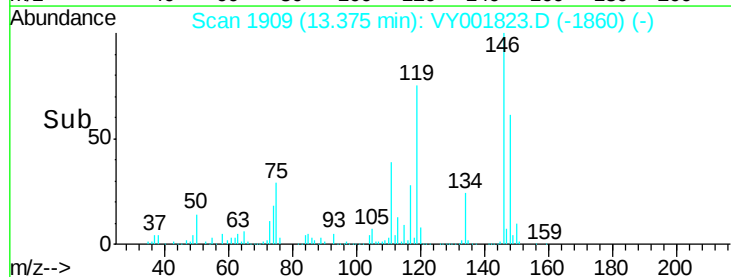
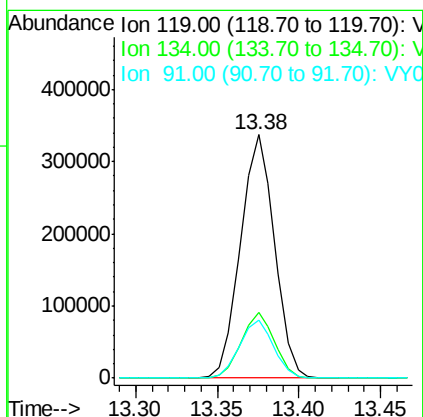
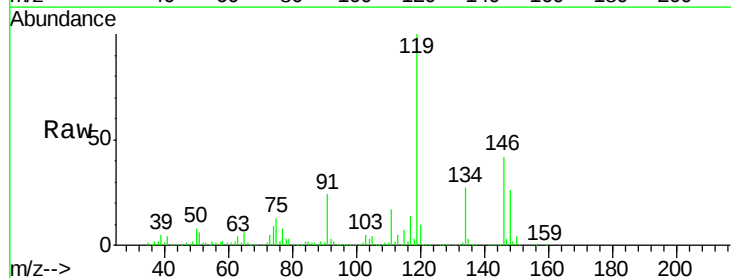
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

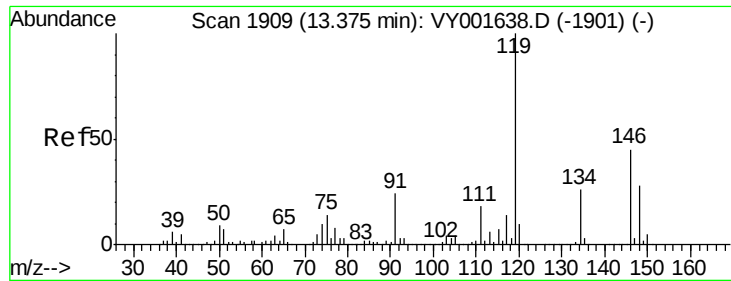
Tgt Ion:105 Resp: 565416
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 51.55 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion:119 Resp: 490299
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 39.0
 91 23.8 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 51.11 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

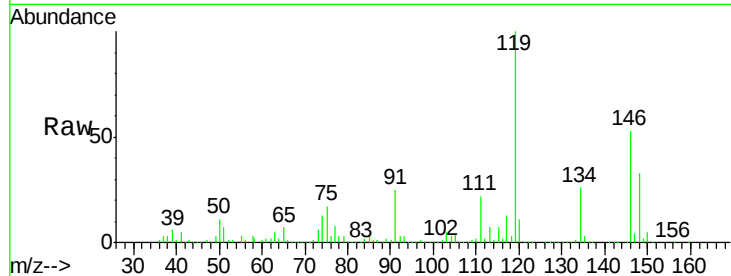
Tgt Ion:146 Resp: 231036

Ion Ratio Lower Upper

146 100

111 41.9 21.4 64.3

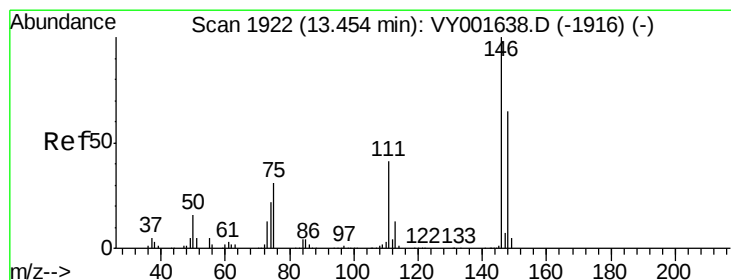
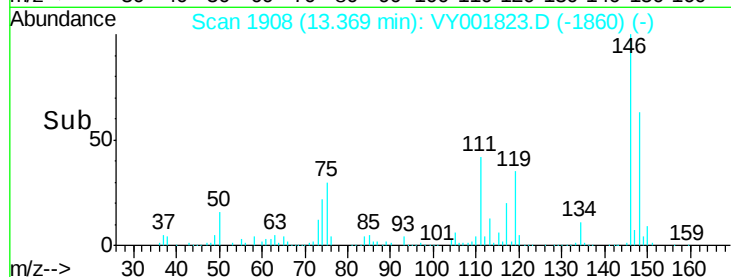
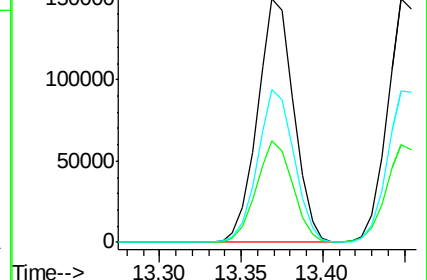
148 62.7 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.91 ug/l

RT: 13.45 min Scan# 1921

Delta R.T. -0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

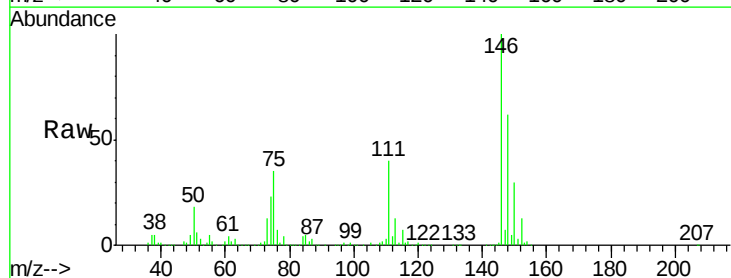
Tgt Ion:146 Resp: 232610

Ion Ratio Lower Upper

146 100

111 40.5 20.4 61.3

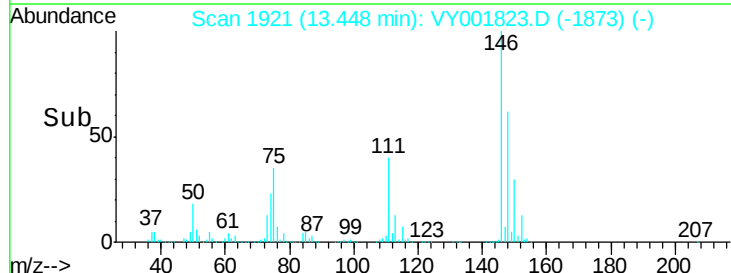
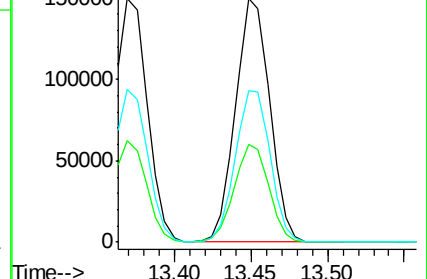
148 63.2 31.6 94.7

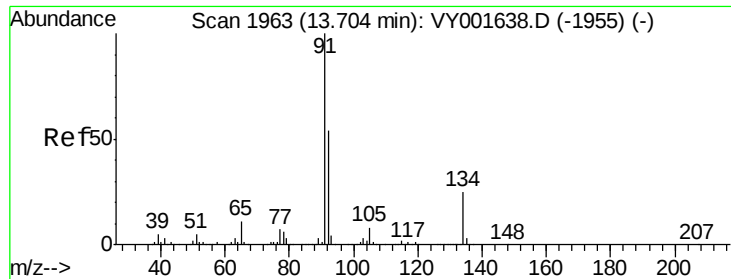


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

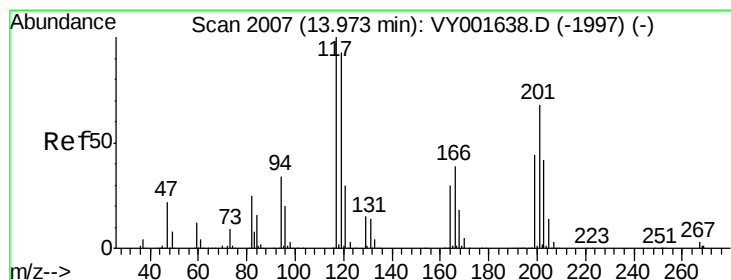
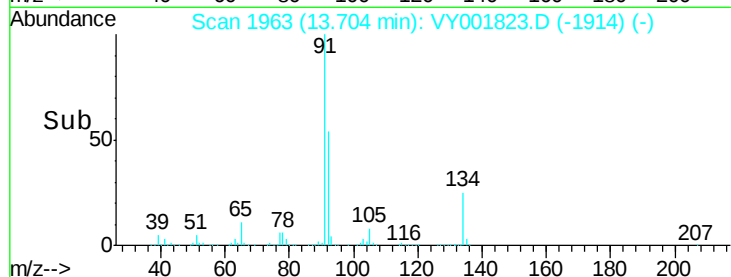
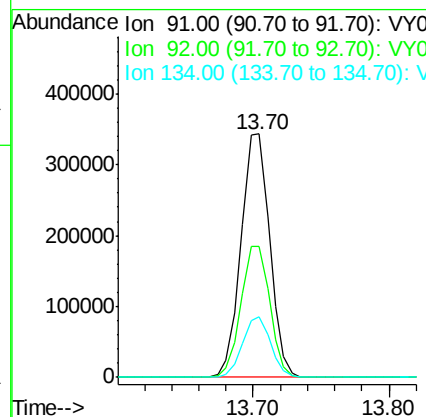
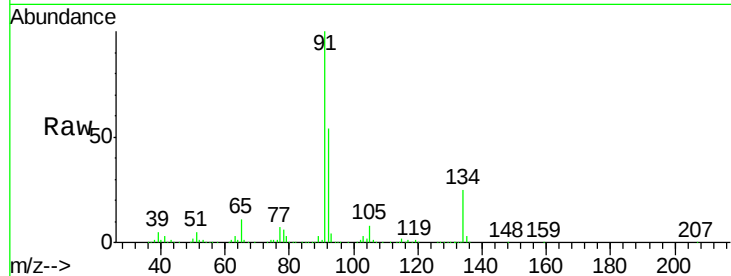




#89
n-Butylbenzene
Concen: 52.01 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

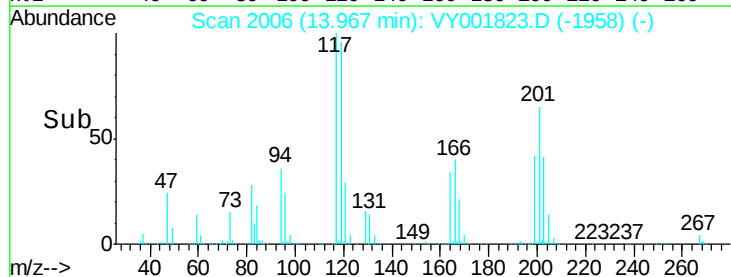
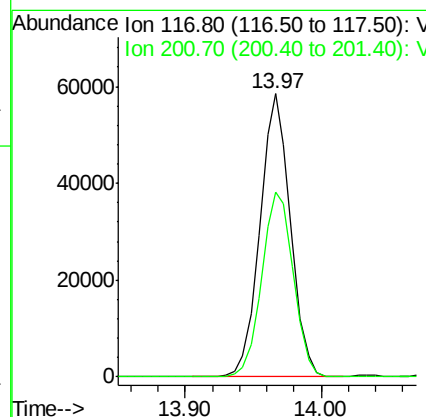
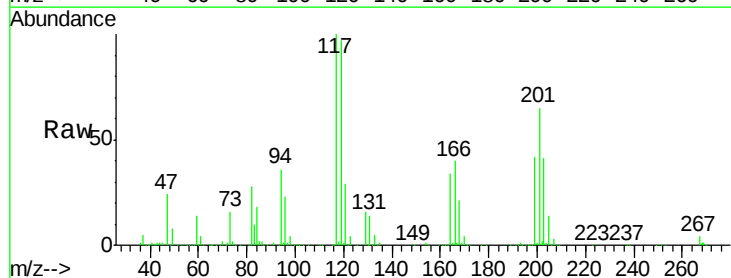
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

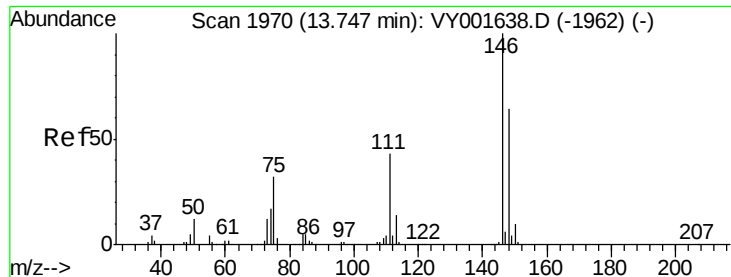
Tgt Ion: 91 Resp: 505387
Ion Ratio Lower Upper
91 100
92 54.2 27.5 82.4
134 24.6 12.4 37.4



#90
Hexachloroethane
Concen: 51.14 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001823.D
Acq: 02 Mar 2020 17:04

Tgt Ion: 117 Resp: 91626
Ion Ratio Lower Upper
117 100
201 67.6 32.5 97.4

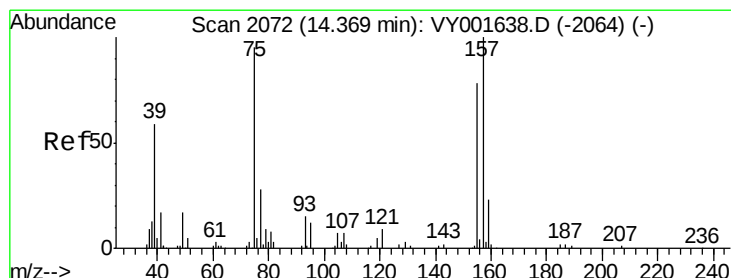
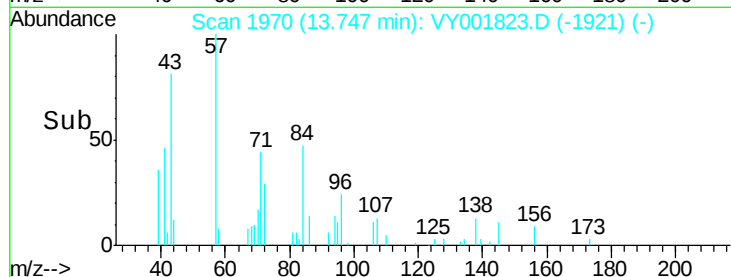
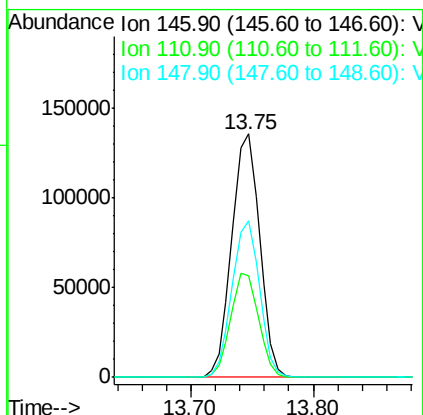
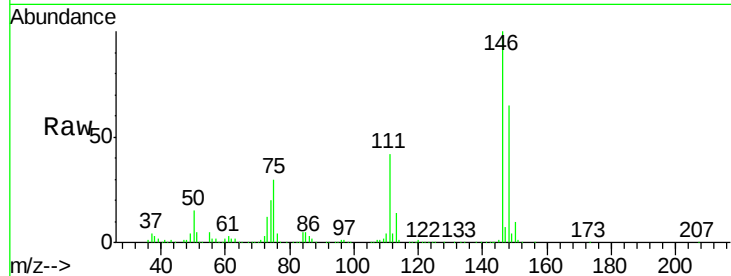




#91
 1,2-Dichlorobenzene
 Concen: 51.28 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

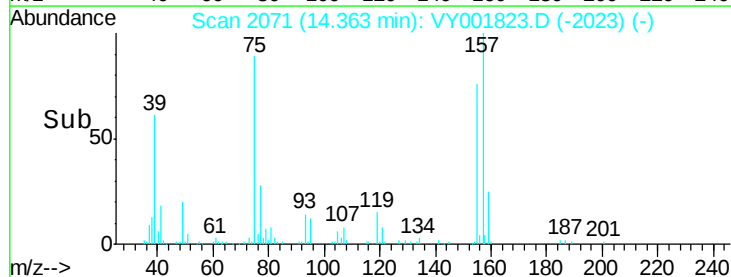
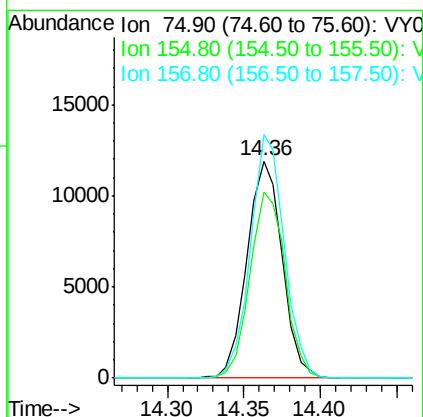
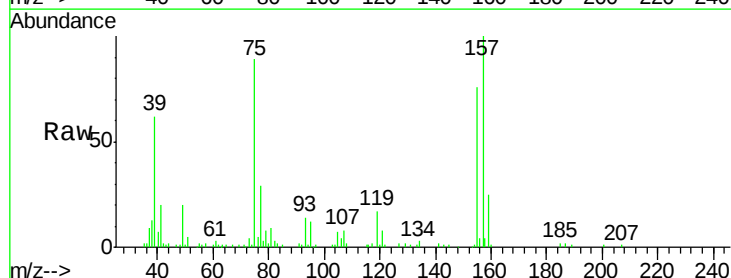
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

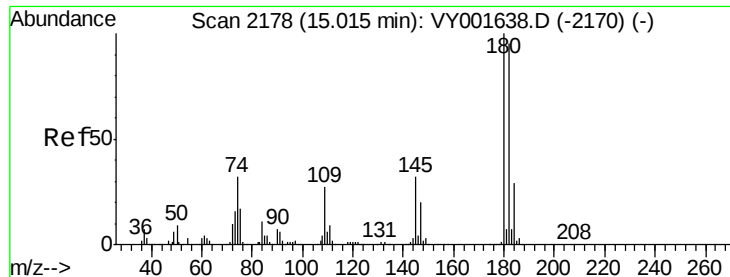
Tgt Ion: 146 Resp: 213926
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.9 65.7
 148 63.3 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.10 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion: 75 Resp: 18981
 Ion Ratio Lower Upper
 75 100
 155 86.0 40.8 122.4
 157 108.1 52.1 156.4

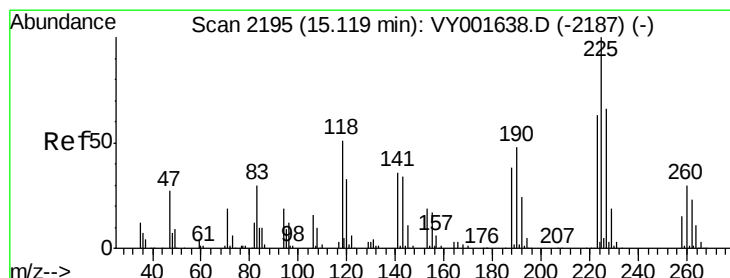
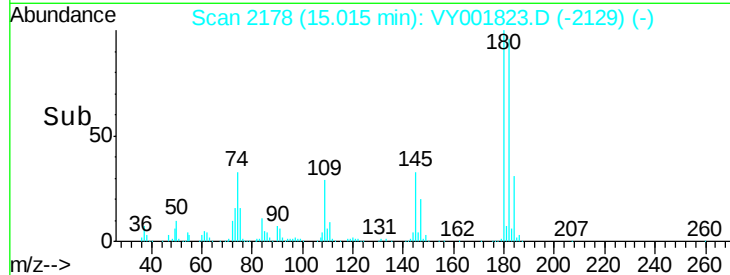
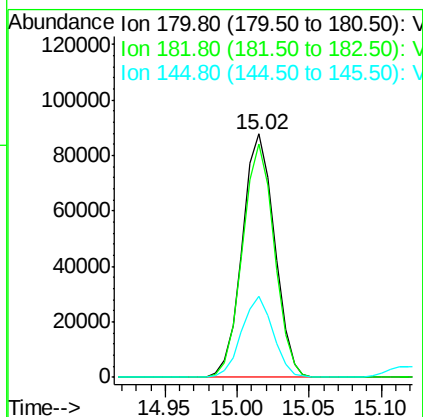
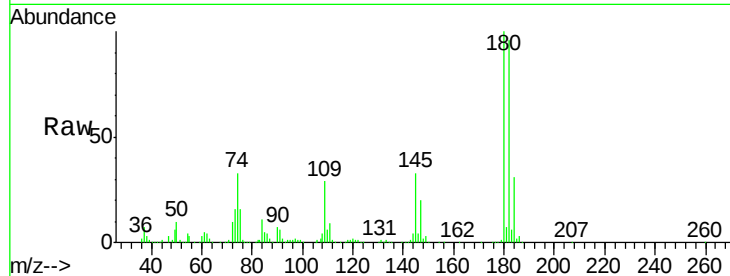




#93
 1,2,4-Trichlorobenzene
 Concen: 49.31 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

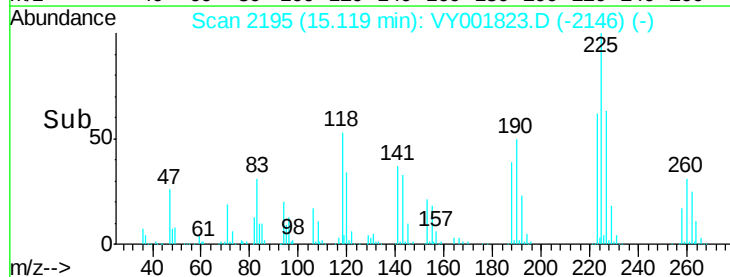
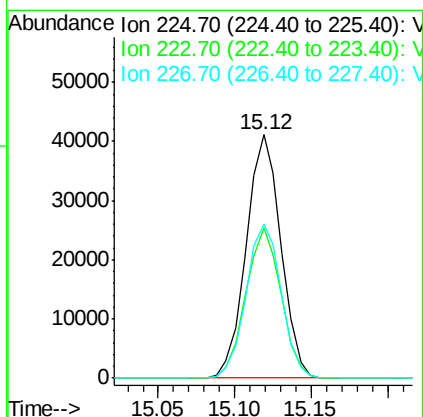
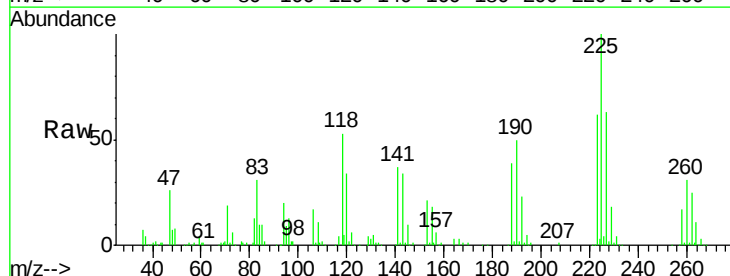
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

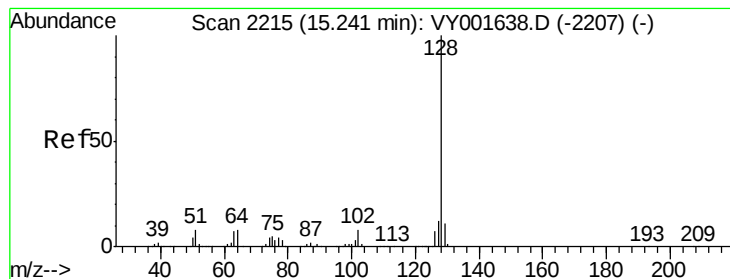
Tgt Ion:180 Resp: 136315
 Ion Ratio Lower Upper
 180 100
 182 94.6 46.8 140.3
 145 32.8 16.2 48.5



#94
 Hexachlorobutadiene
 Concen: 47.07 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001823.D
 Acq: 02 Mar 2020 17:04

Tgt Ion:225 Resp: 64704
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.0
 227 64.2 31.6 94.8





#95

Naphthalene

Concen: 52.85 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

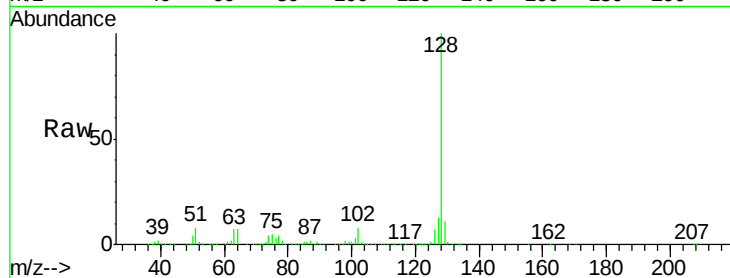
Tgt Ion:128 Resp: 336880

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

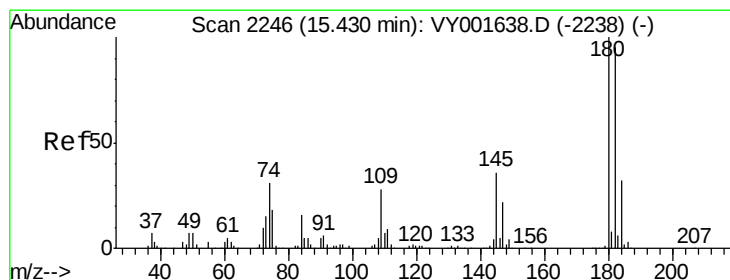
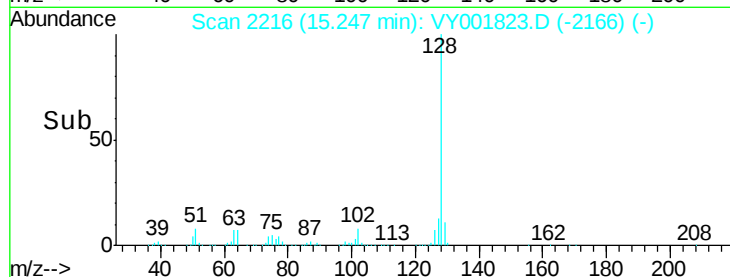
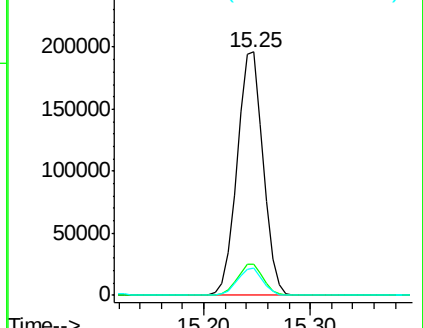
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.25 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.00 min

Lab File: VY001823.D

Acq: 02 Mar 2020 17:04

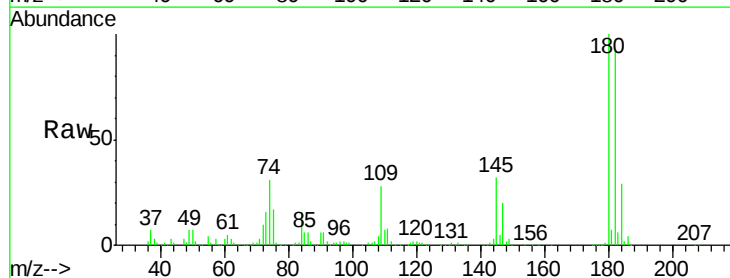
Tgt Ion:180 Resp: 122206

Ion Ratio Lower Upper

180 100

182 94.1 47.2 141.6

145 33.9 17.3 52.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

