

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002010.D
 Acq On : 18 Mar 2020 17:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 19 01:27:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	147266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	272253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	242963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	110656	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	82734	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	7.74	113	78150	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.19	98	321511	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.49	95	113231	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	63608	46.792	ug/l	99
3) Chloromethane	2.13	50	90261	49.249	ug/l	100
4) Vinyl Chloride	2.27	62	96617	51.827	ug/l	100
5) Bromomethane	2.66	94	64303	60.258	ug/l	97
6) Chloroethane	2.81	64	63665	54.366	ug/l	91
7) Trichlorofluoromethane	3.15	101	134596	53.237	ug/l	96
8) Diethyl Ether	3.55	74	55868	56.067	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	89267	54.895	ug/l	100
10) Methyl Iodide	4.11	142	108411	57.649	ug/l	99
11) Tert butyl alcohol	4.98	59	41555	254.390	ug/l	99
12) 1,1-Dichloroethene	3.90	96	87431	53.398	ug/l	96
13) Acrolein	3.76	56	46913	212.347	ug/l	97
14) Allyl chloride	4.50	41	165144	56.894	ug/l	100
15) Acrylonitrile	5.19	53	144624	271.610	ug/l	100
16) Acetone	3.97	43	107717	235.237	ug/l	96
17) Carbon Disulfide	4.22	76	274545	49.880	ug/l	99
18) Methyl Acetate	4.50	43	62996	53.542	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	249277	56.181	ug/l	98
20) Methylene Chloride	4.74	84	105718	53.869	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	101666	54.706	ug/l	99
22) Diisopropyl ether	6.15	45	344581	57.913	ug/l	93
23) Vinyl Acetate	6.09	43	1093880	280.438	ug/l	99
24) 1,1-Dichloroethane	6.05	63	182964	56.784	ug/l	99
25) 2-Butanone	7.02	43	181829	261.116	ug/l	99
26) 2,2-Dichloropropane	7.01	77	150999	57.097	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	115189	56.981	ug/l	100
28) Bromochloromethane	7.36	49	80845	55.665	ug/l	100
29) Tetrahydrofuran	7.37	42	120474	260.528	ug/l	100
30) Chloroform	7.53	83	173811	57.416	ug/l	98
31) Cyclohexane	7.80	56	177251	51.306	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	146848	57.554	ug/l	99
36) 1,1-Dichloropropene	7.94	75	141009	53.822	ug/l	99
37) Ethyl Acetate	7.10	43	80616	52.943	ug/l	99
38) Carbon Tetrachloride	7.92	117	124983	55.844	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.20	83	183659	52.854	ug/l	99
40) Benzene	8.18	78	431321	55.544	ug/l	100
41) Methacrylonitrile	7.37	41	107493	156.863	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	110683	55.314	ug/l	100
43) Isopropyl Acetate	8.29	43	155418	53.911	ug/l	99
44) Trichloroethene	8.96	130	103472	54.712	ug/l	95
45) 1,2-Dichloropropane	9.23	63	110286	56.497	ug/l	99
46) Dibromomethane	9.32	93	55084	54.758	ug/l	100
47) Bromodichloromethane	9.51	83	135097	57.732	ug/l	97
48) Methyl methacrylate	9.31	41	71809	56.135	ug/l	97
49) 1,4-Dioxane	9.32	88	13955	1012.400	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	406493	273.753	ug/l	100
52) Toluene	10.25	92	262048	55.550	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	144994	56.873	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	173276	57.093	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	81830	55.583	ug/l	99
56) Ethyl methacrylate	10.52	69	119092	55.189	ug/l	97
57) 1,3-Dichloropropane	10.80	76	145974	55.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	183080	241.621	ug/l	100
59) 2-Hexanone	10.85	43	269225	254.023	ug/l	99
60) Dibromochloromethane	11.00	129	89846	57.916	ug/l	100
61) 1,2-Dibromoethane	11.10	107	76122	54.586	ug/l	100
64) Tetrachloroethene	10.73	164	83386	54.727	ug/l	100
65) Chlorobenzene	11.53	112	272693	56.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	92269	58.120	ug/l	99
67) Ethyl Benzene	11.60	91	506430	56.091	ug/l	99
68) m/p-Xylenes	11.71	106	372869	111.704	ug/l	99
69) o-Xylene	12.04	106	177431	56.396	ug/l	99
70) Styrene	12.05	104	307978	57.155	ug/l	99
71) Bromoform	12.22	173	49397	57.374	ug/l #	98
73) Isopropylbenzene	12.34	105	477572	56.536	ug/l	99
74) N-amyl acetate	12.15	43	138110	53.198	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	99293	54.508	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	127943	97.443	ug/l #	100
77) Bromobenzene	12.62	156	100634	56.230	ug/l	98
78) n-propylbenzene	12.68	91	587051	56.331	ug/l	100
79) 2-Chlorotoluene	12.77	91	323673	56.216	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	395029	56.805	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	35816	55.100	ug/l	99
82) 4-Chlorotoluene	12.86	91	339514	56.635	ug/l	99
83) tert-Butylbenzene	13.08	119	331594	57.410	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	390524	56.587	ug/l	99
85) sec-Butylbenzene	13.26	105	487182	57.224	ug/l	100
86) p-Isopropyltoluene	13.38	119	415891	56.629	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	196103	55.916	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	196630	55.266	ug/l	100
89) n-Butylbenzene	13.70	91	420117	55.137	ug/l	99
90) Hexachloroethane	13.97	117	80471	58.082	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	177179	55.609	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14705	51.732	ug/l	99

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QLast Update : Thu Mar 05 04:05:33 2020
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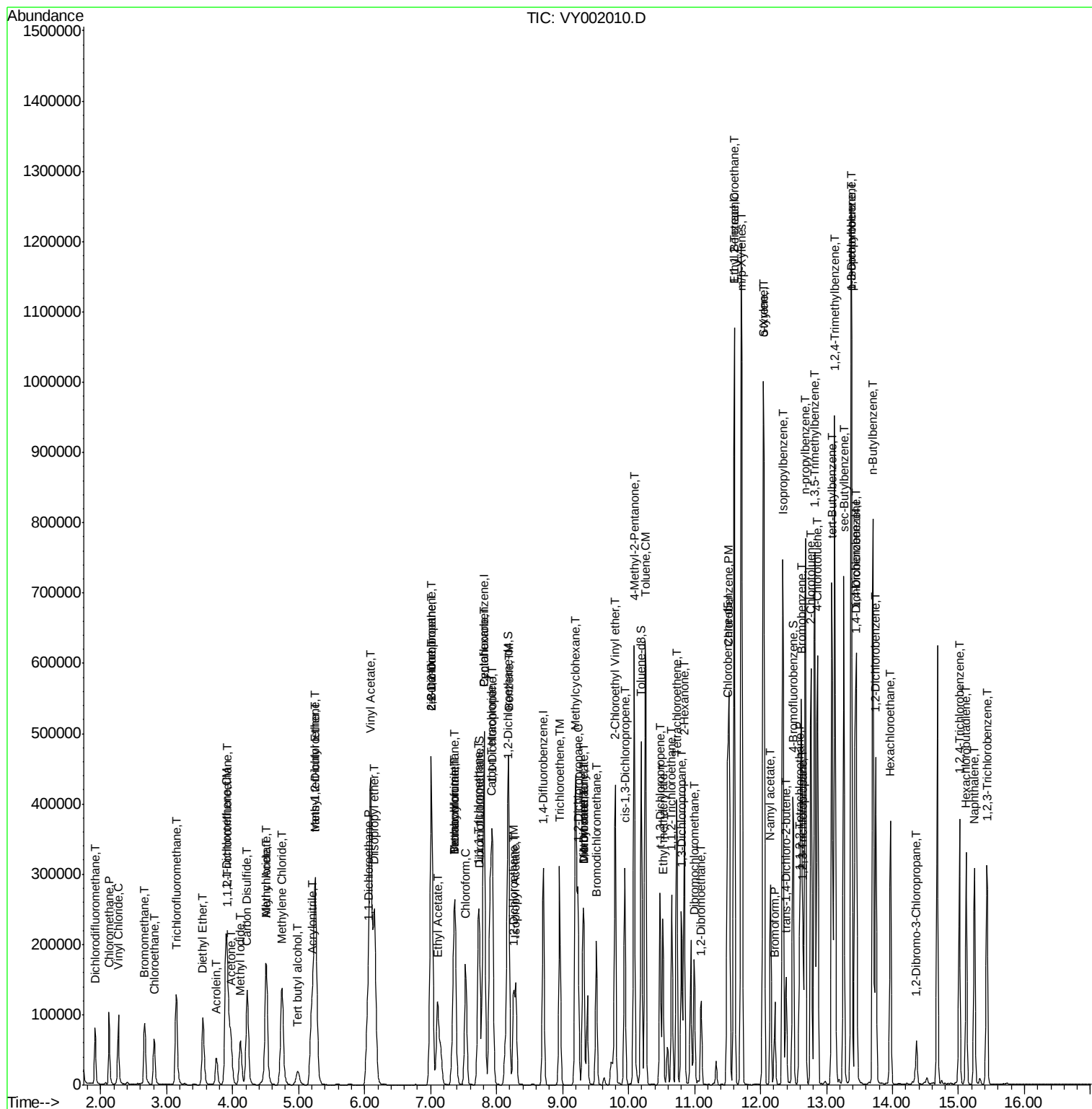
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	108685	52.600	ug/l	98
94) Hexachlorobutadiene	15.12	225	53662	53.269	ug/l	100
95) Naphthalene	15.24	128	251450	51.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	94783	52.072	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

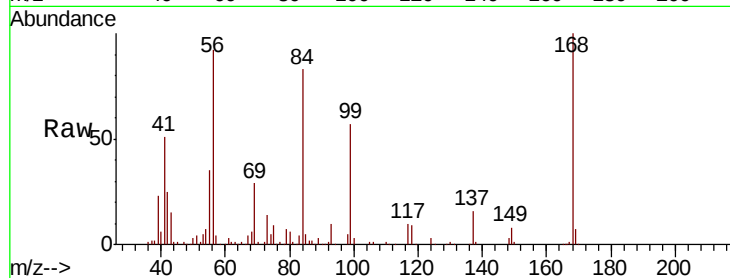
VSTDCCC050EC

Tot Ion:168 Resp: 147266

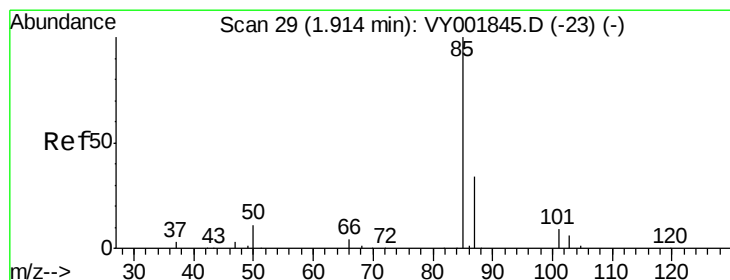
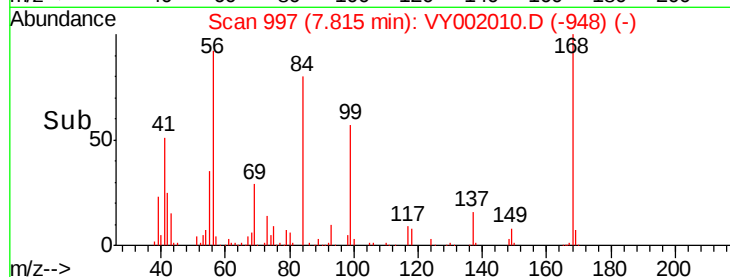
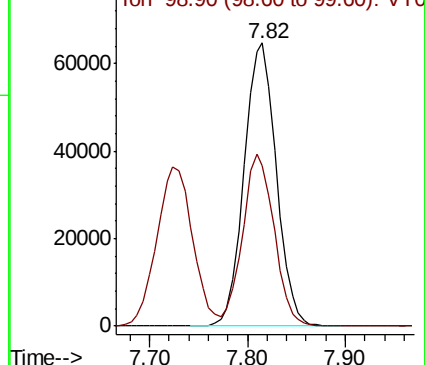
Ion Ratio Lower Upper

168 100

99 56.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)



#2

Dichlorodifluoromethane

Concen: 46.792 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002010.D

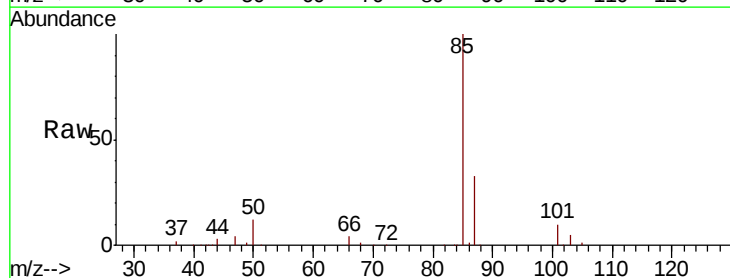
Acq: 18 Mar 2020 17:19

Tgt Ion: 85 Resp: 63608

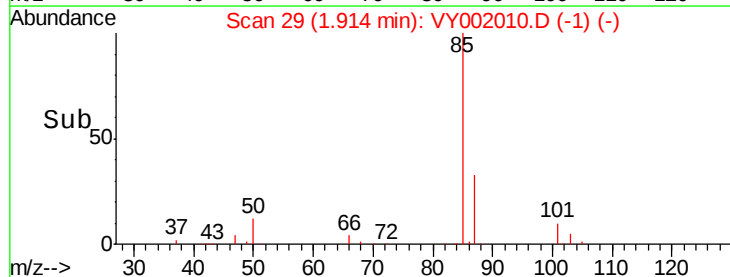
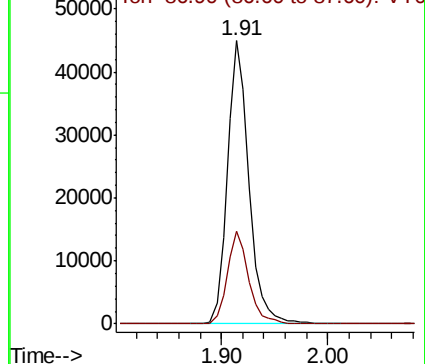
Ion Ratio Lower Upper

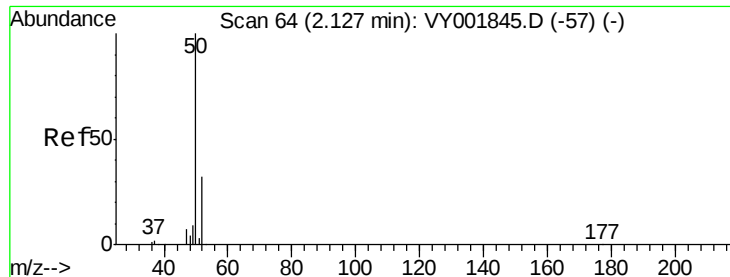
85 100

87 33.0 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

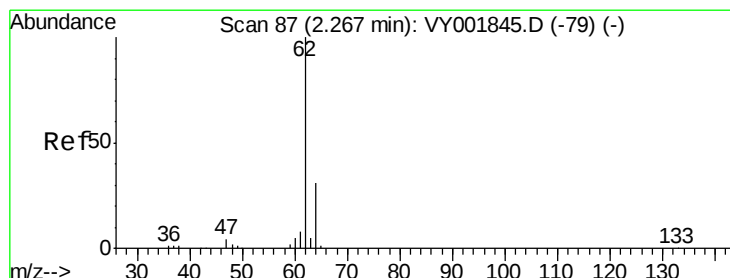
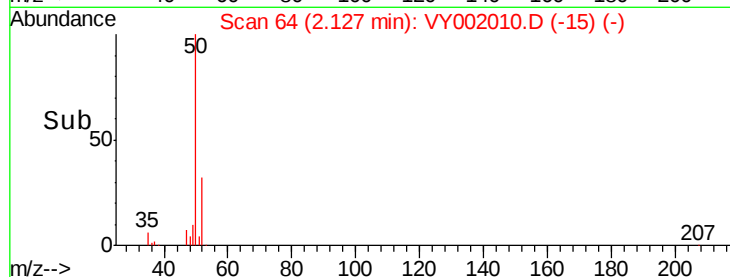
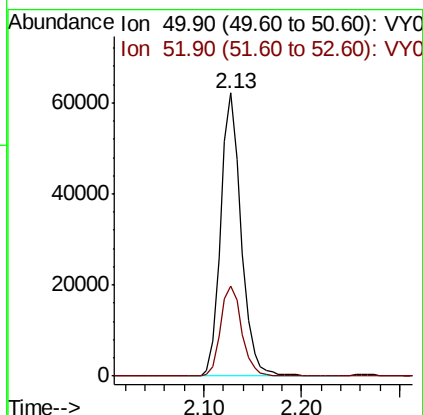
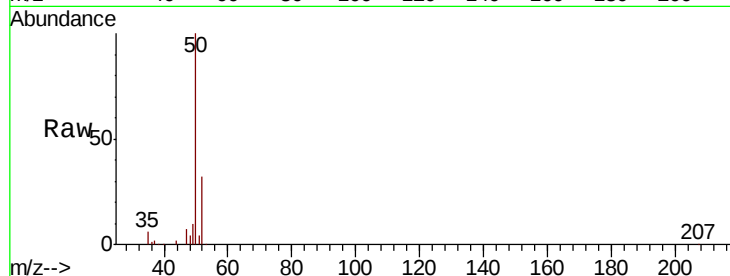




#3
Chloromethane
Concen: 49.249 ug/l
RT: 2.13 min Scan# 64
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

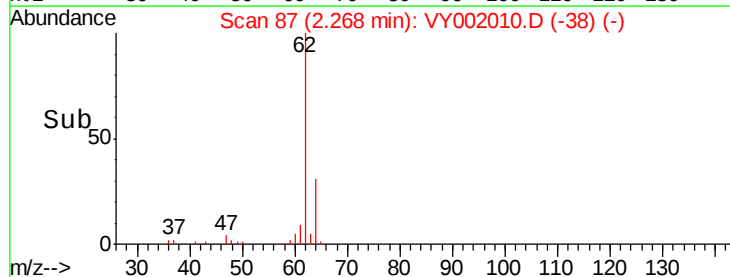
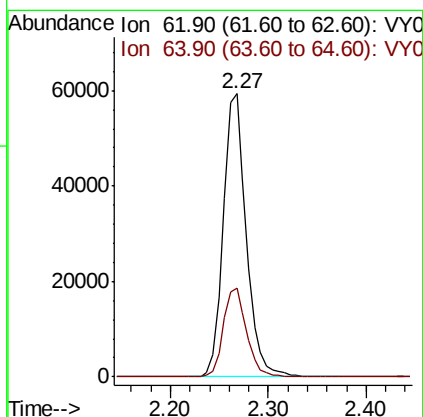
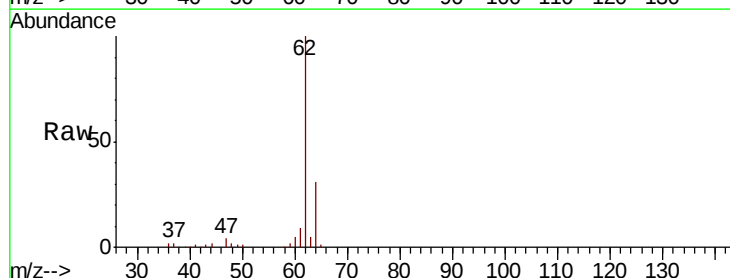
Instrument :
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ClientSampleId :
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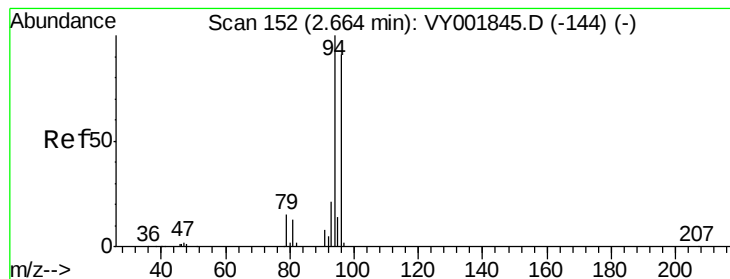
Tot Ion: 50 Resp: 90261
Ion Ratio Lower Upper
50 100
52 32.0 25.8 38.6



#4
Vinyl Chloride
Concen: 51.827 ug/l
RT: 2.27 min Scan# 87
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 62 Resp: 96617
Ion Ratio Lower Upper
62 100
64 31.4 25.1 37.7





#5

Bromomethane

Concen: 60.258 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

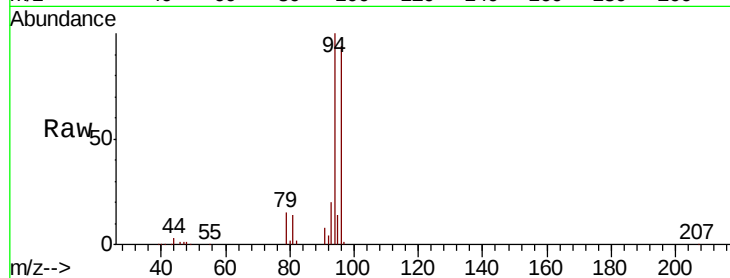
VSTDCCC050EC

Tot Ion: 94 Resp: 64303

Ion Ratio Lower Upper

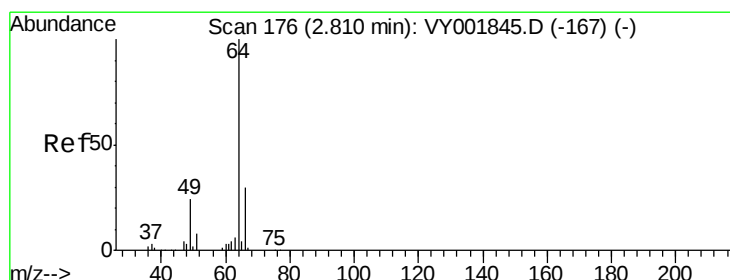
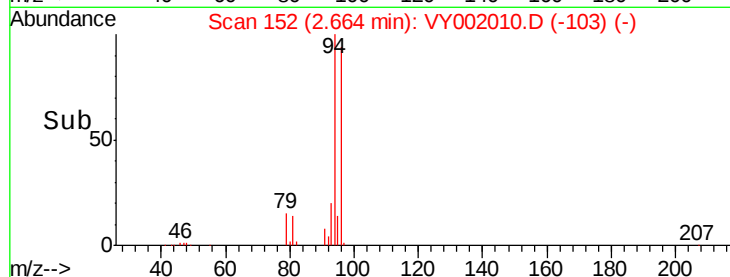
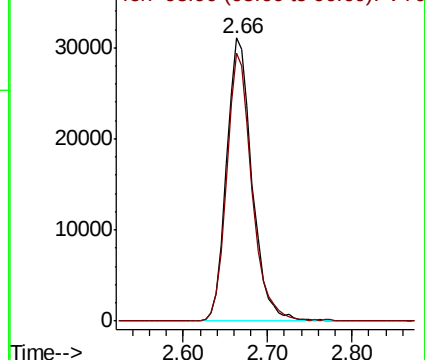
94 100

96 94.5 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 54.366 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY002010.D

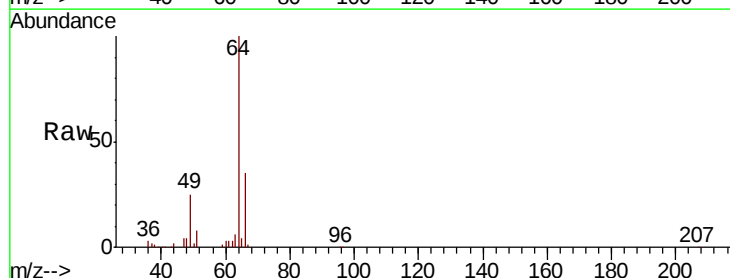
Acq: 18 Mar 2020 17:19

Tgt Ion: 64 Resp: 63665

Ion Ratio Lower Upper

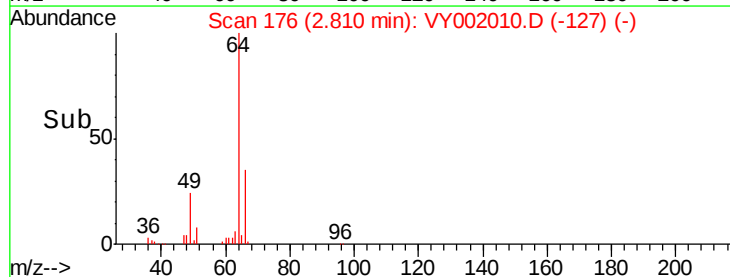
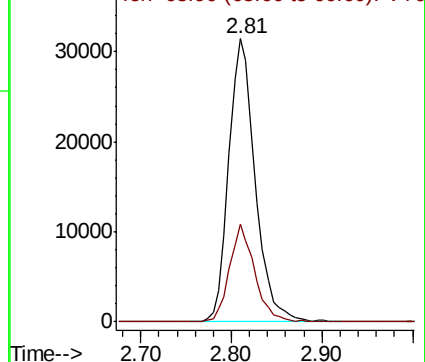
64 100

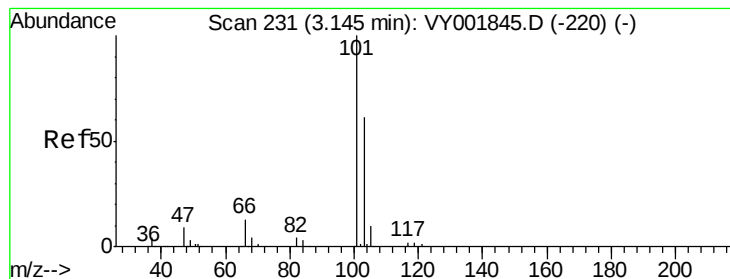
66 34.6 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



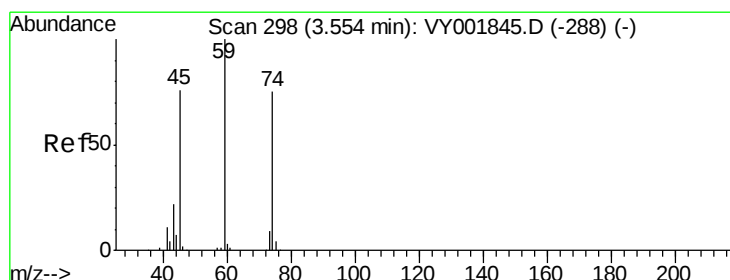
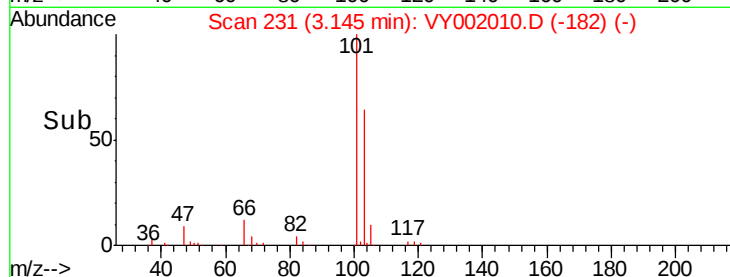
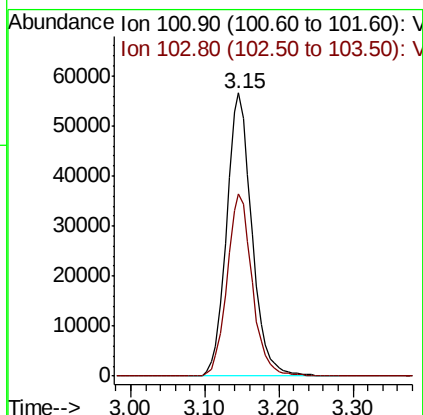
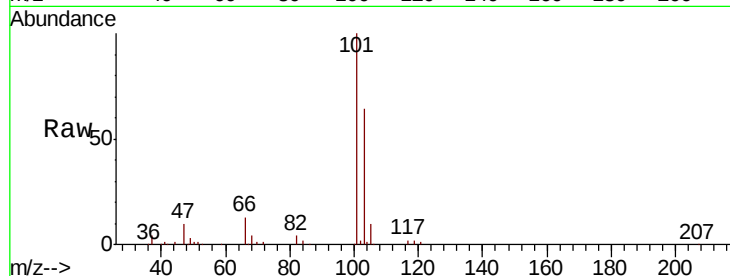


#7

Trichlorofluoromethane
 Concen: 53.237 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

Instrument :
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 ClientSampleId :
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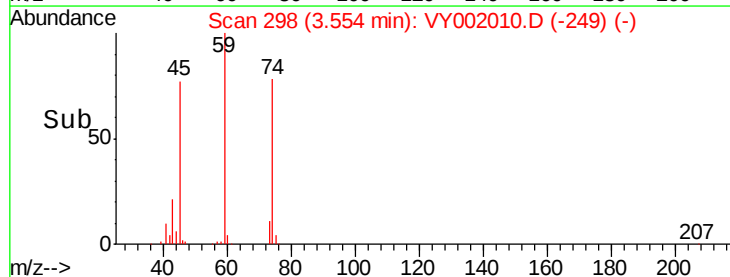
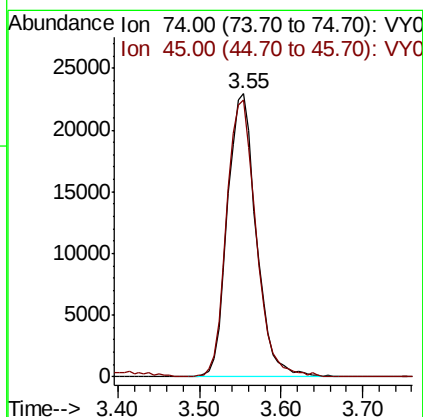
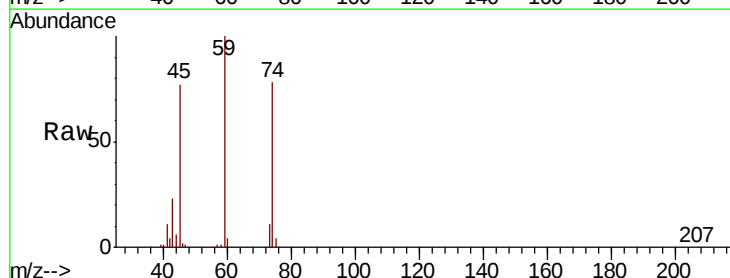
Tot Ion:101 Resp: 134596
 Ion Ratio Lower Upper
 101 100
 103 64.4 49.1 73.7



#8

Diethyl Ether
 Concen: 56.067 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

Tgt Ion: 74 Resp: 55868
 Ion Ratio Lower Upper
 74 100
 45 100.2 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.895 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

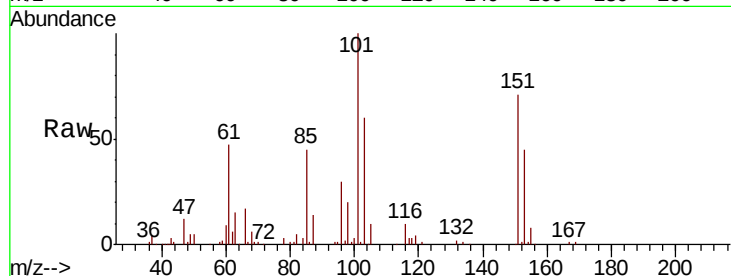
Tot Ion:101 Resp: 89267

Ion Ratio Lower Upper

101 100

85 44.4 35.3 52.9

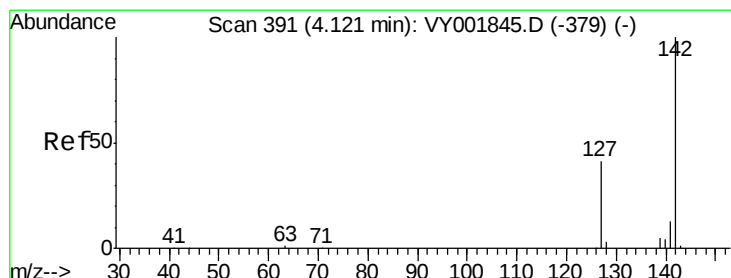
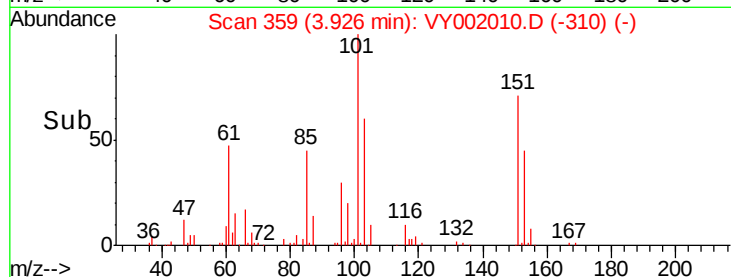
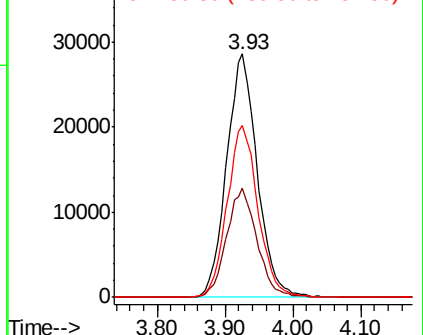
151 71.0 57.0 85.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.649 ug/l

RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

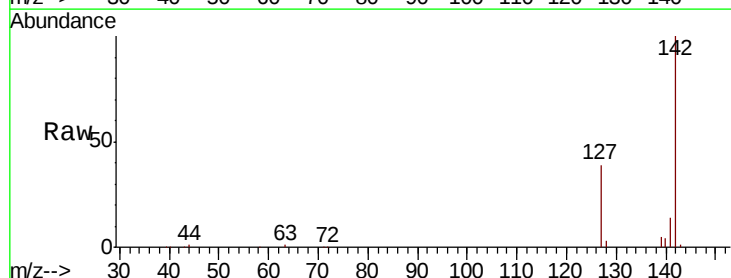
Tgt Ion:142 Resp: 108411

Ion Ratio Lower Upper

142 100

127 40.5 32.7 49.1

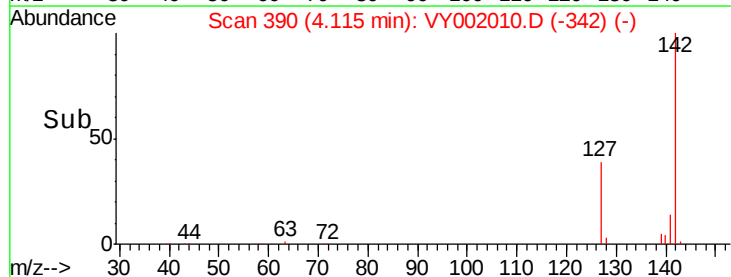
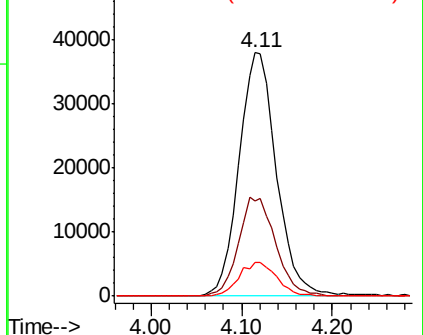
141 14.1 11.0 16.6

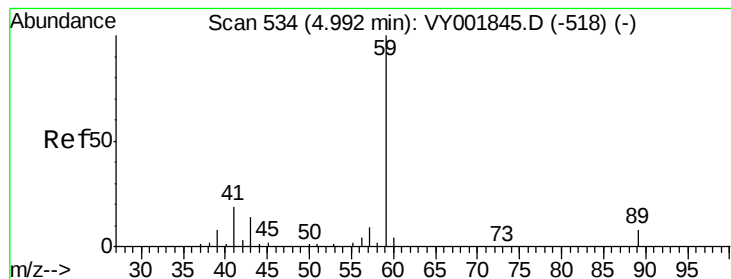


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



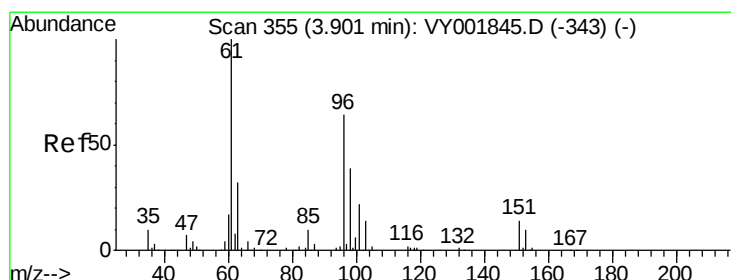
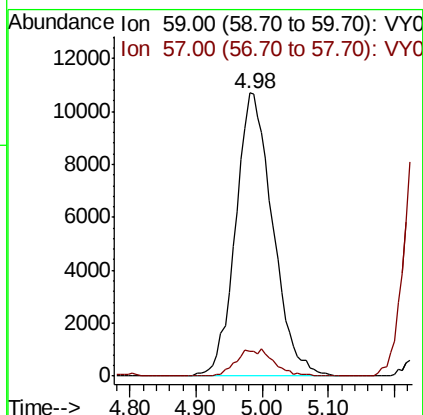
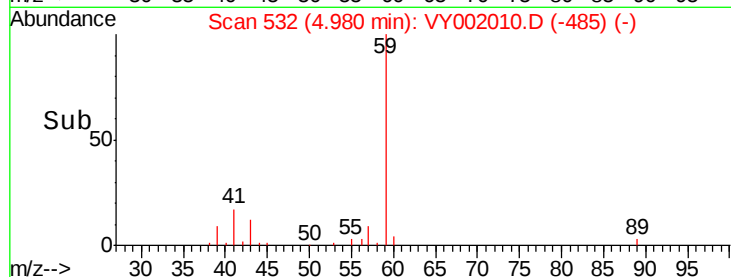
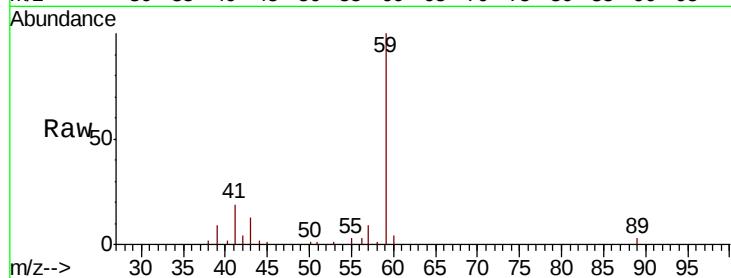


#11

Tert butyl alcohol
 Concen: 254.390 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

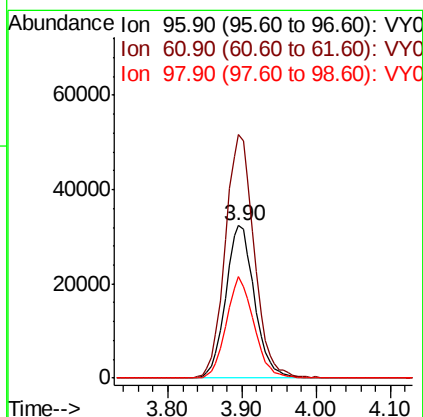
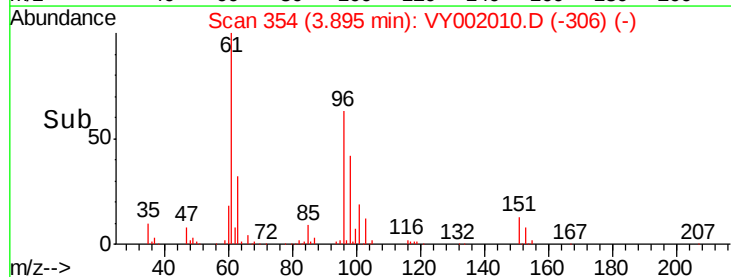
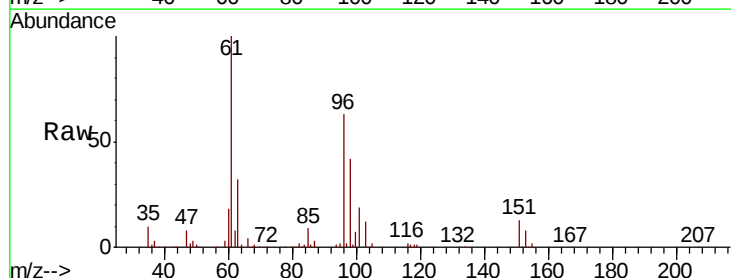
Tot Ion: 59 Resp: 41555
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.4 11.2

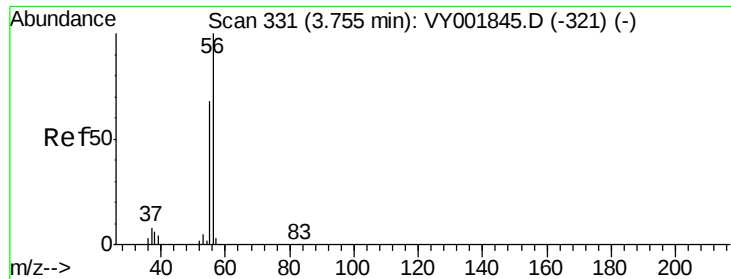


#12

1,1-Dichloroethene
 Concen: 53.398 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

Tgt Ion: 96 Resp: 87431
 Ion Ratio Lower Upper
 96 100
 61 159.6 124.8 187.2
 98 66.9 49.2 73.8





#13

Acrolein

Concen: 212.347 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

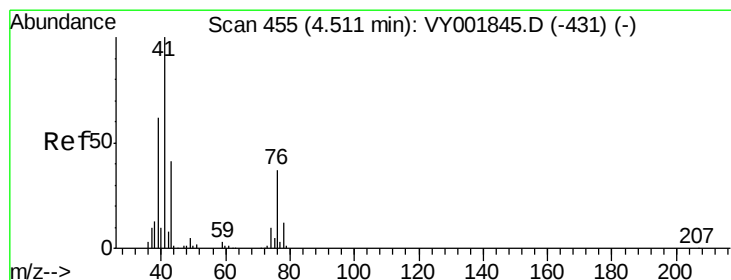
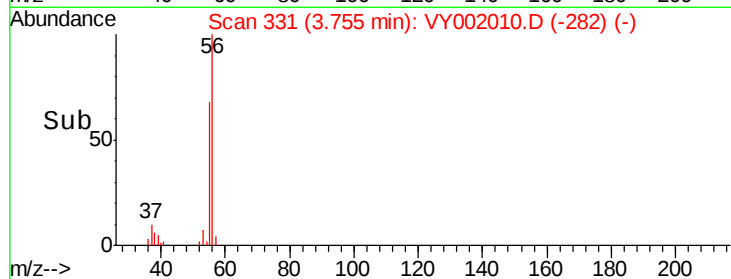
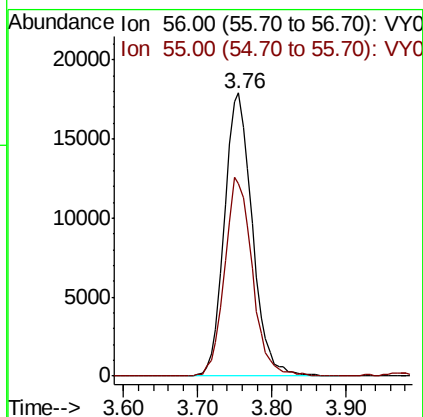
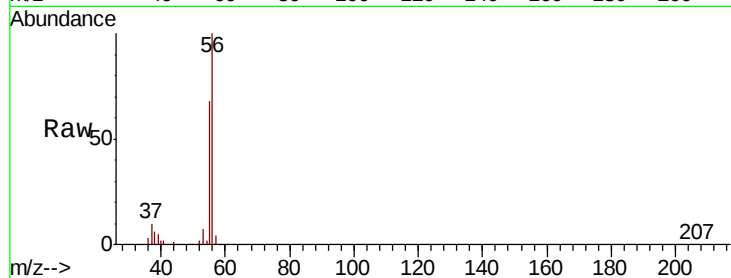
VSTDCCC050EC

Tot Ion: 56 Resp: 46913

Ion Ratio Lower Upper

56 100

55 69.7 54.0 81.0



#14

Allyl chloride

Concen: 56.894 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

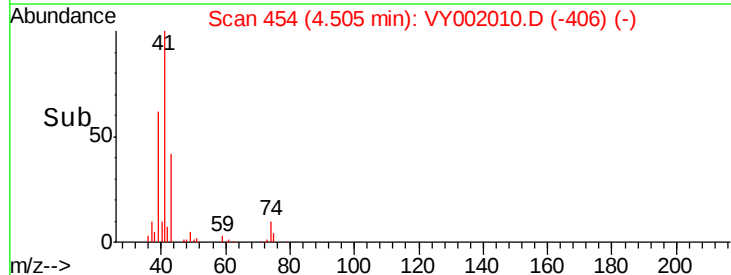
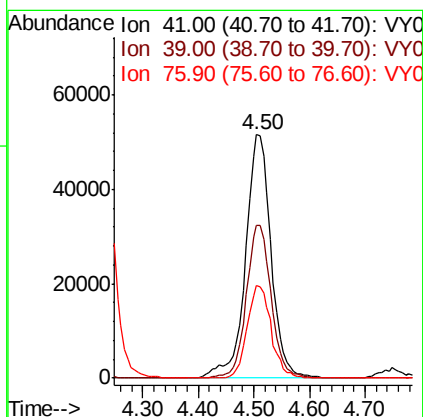
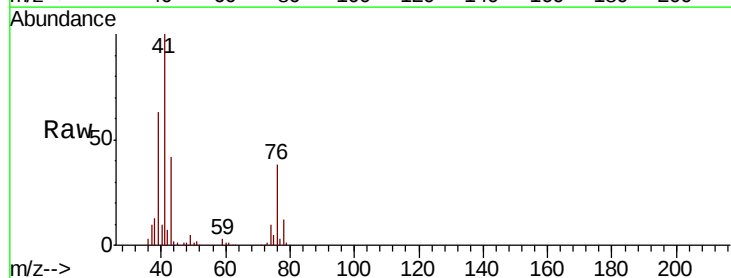
Tgt Ion: 41 Resp: 165144

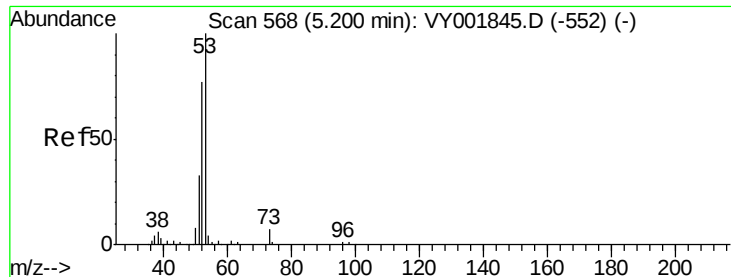
Ion Ratio Lower Upper

41 100

39 61.1 49.0 73.6

76 35.7 28.9 43.3





#15

Acrylonitrile

Concen: 271.610 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

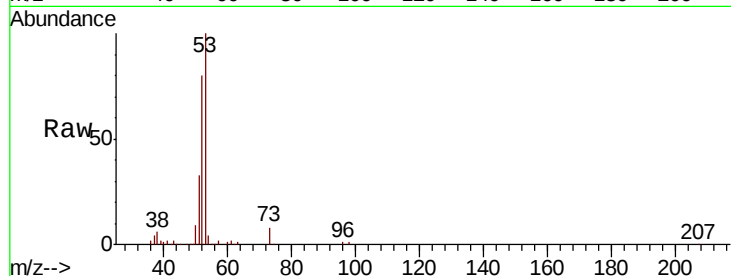
Tot Ion: 53 Resp: 144624

Ion Ratio Lower Upper

53 100

52 81.0 65.1 97.7

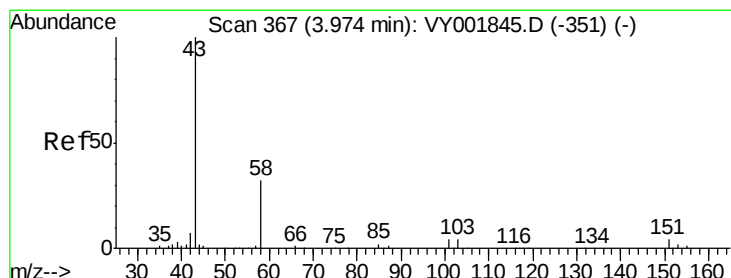
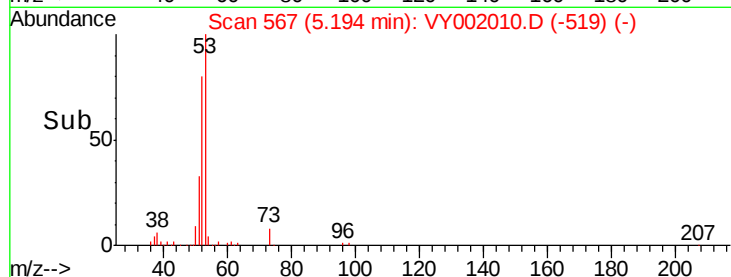
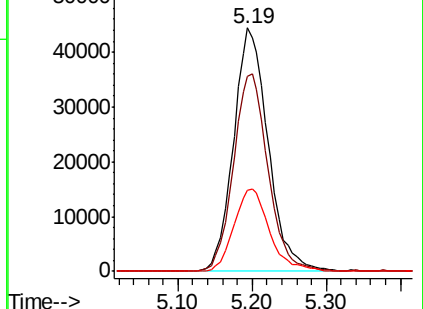
51 34.8 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 235.237 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY002010.D

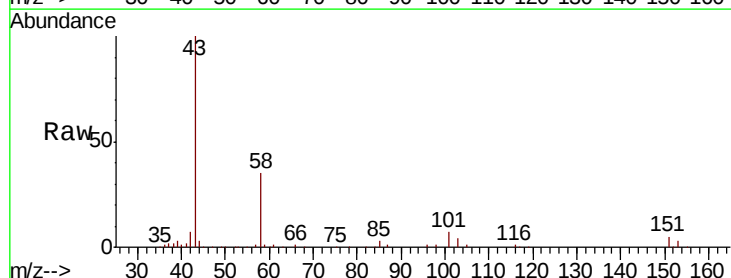
Acq: 18 Mar 2020 17:19

Tgt Ion: 43 Resp: 107717

Ion Ratio Lower Upper

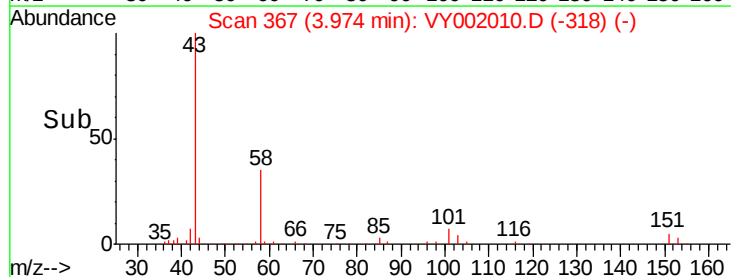
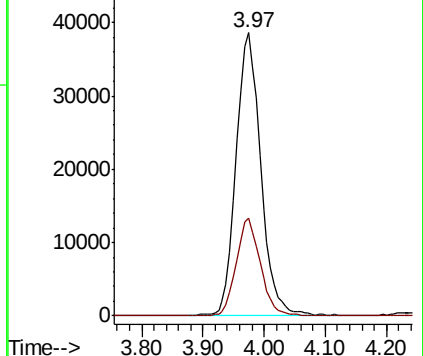
43 100

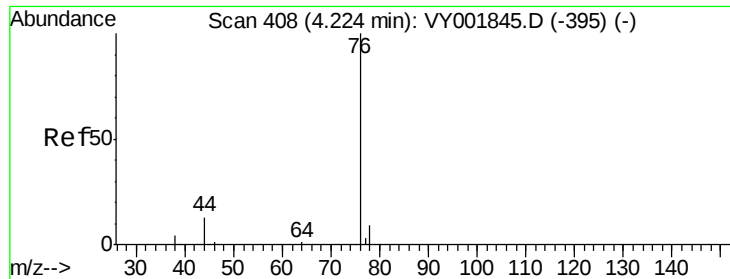
58 34.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

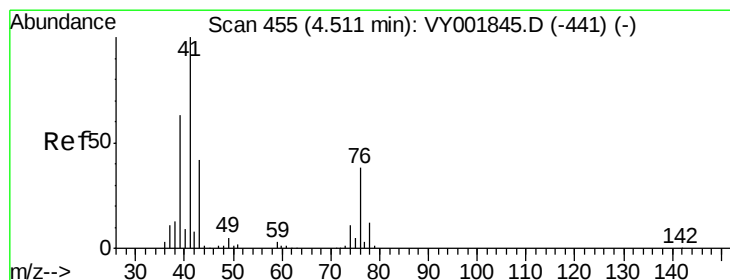
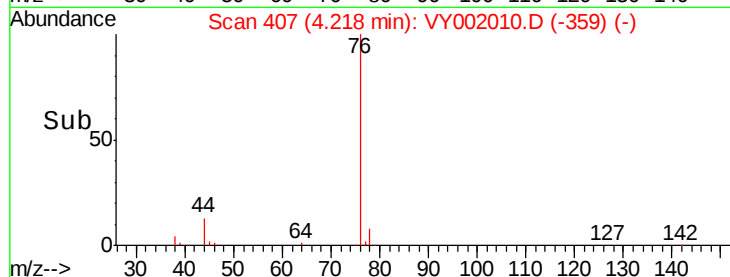
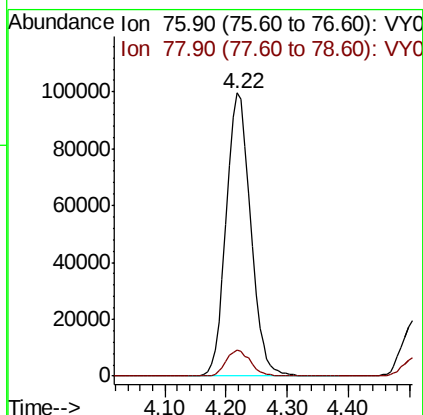
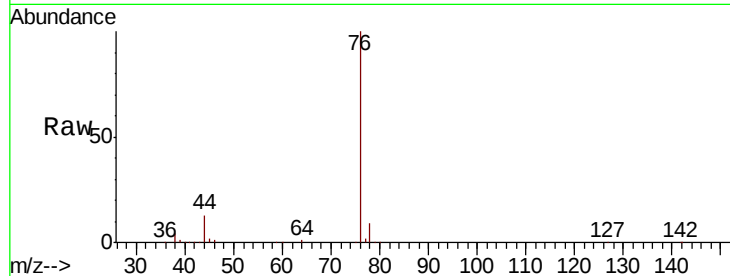




#17
Carbon Disulfide
Concen: 49.880 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

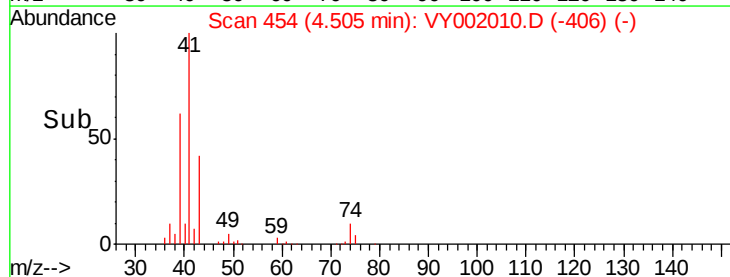
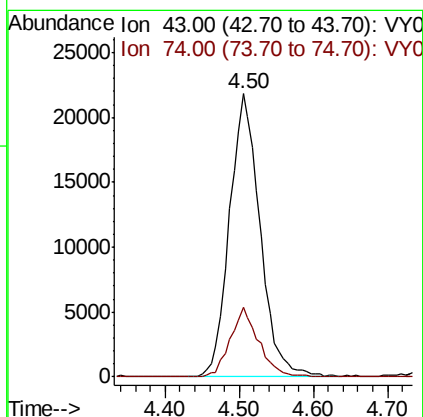
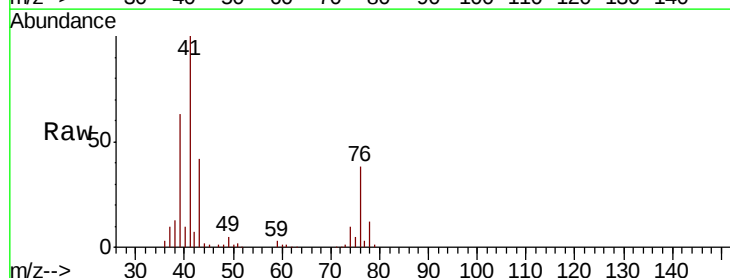
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

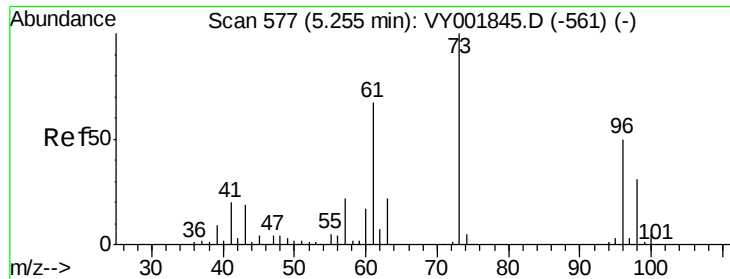
Tot Ion: 76 Resp: 274545
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 53.542 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 43 Resp: 62996
Ion Ratio Lower Upper
43 100
74 22.7 19.0 28.6

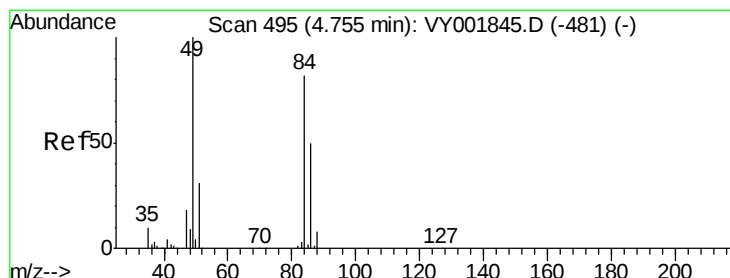
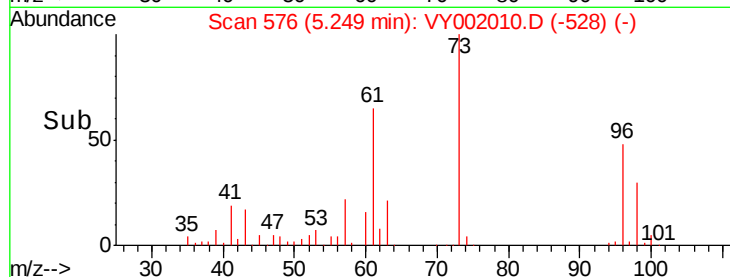
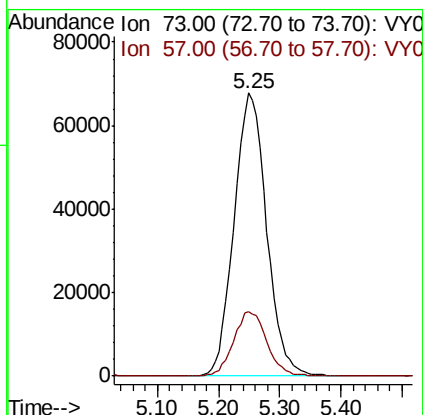
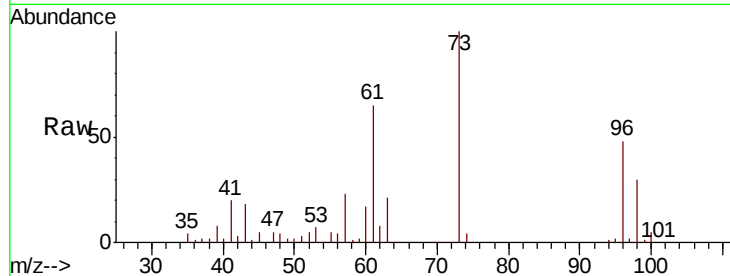




#19
Methyl tert-butyl Ether
Concen: 56.181 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

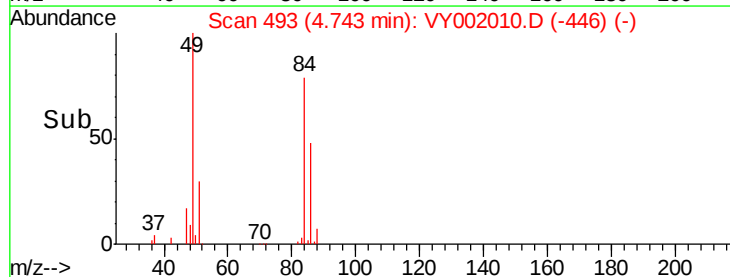
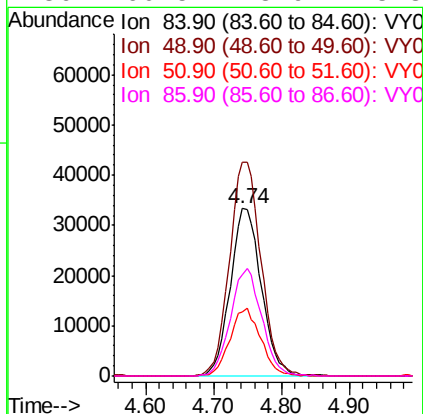
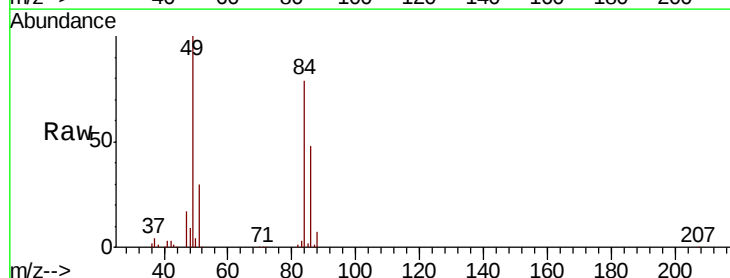
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 249277
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.2



#20
Methylene Chloride
Concen: 53.869 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 84 Resp: 105718
Ion Ratio Lower Upper
84 100
49 127.2 98.2 147.2
51 38.3 30.2 45.2
86 60.5 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 54.706 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

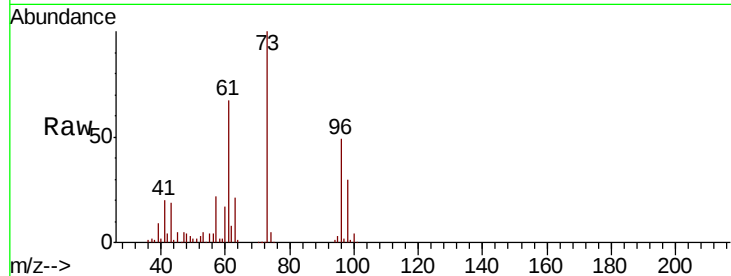
Tot Ion: 96 Resp: 101666

Ion Ratio Lower Upper

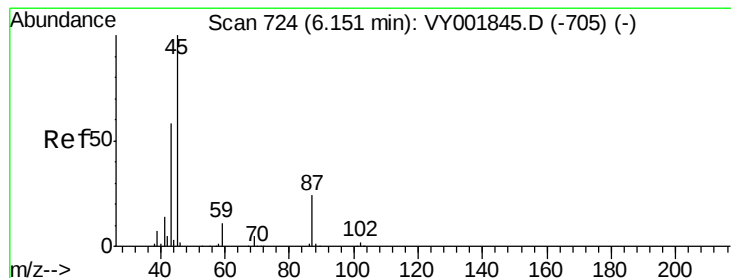
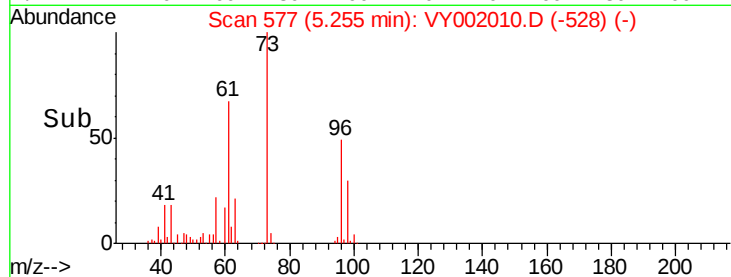
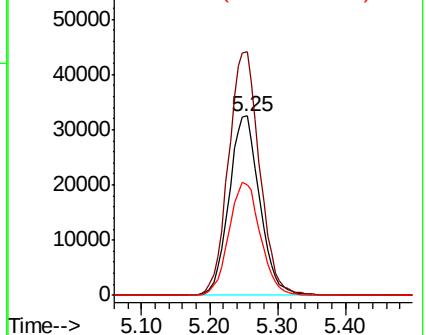
96 100

61 135.6 107.7 161.5

98 61.9 49.3 73.9



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



#22

Diisopropyl ether

Concen: 57.913 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Tgt Ion: 45 Resp: 344581

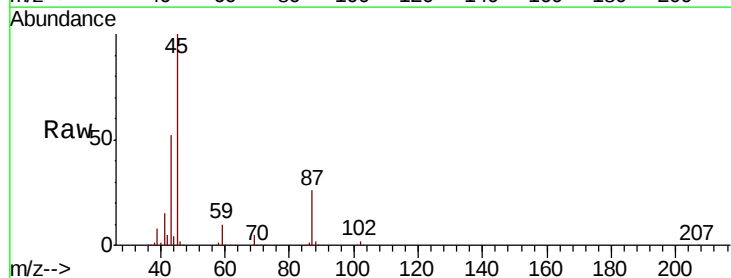
Ion Ratio Lower Upper

45 100

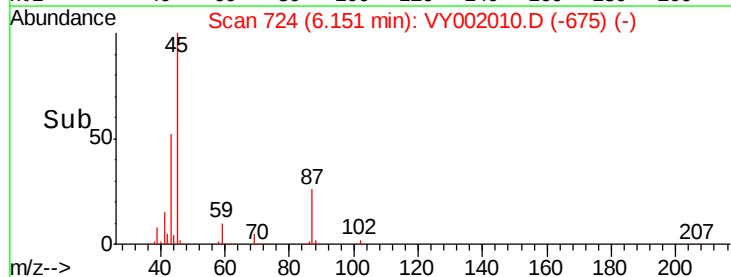
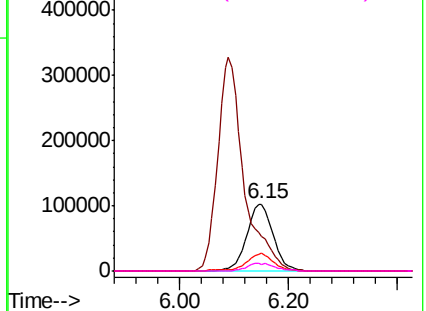
43 52.2 47.2 70.8

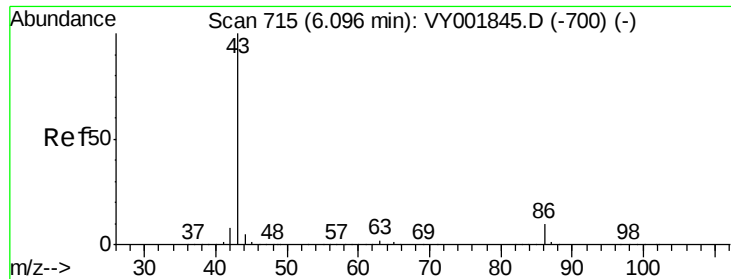
87 26.4 19.8 29.8

59 10.4 8.8 13.2



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





#23

Vinyl Acetate

Concen: 280.438 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

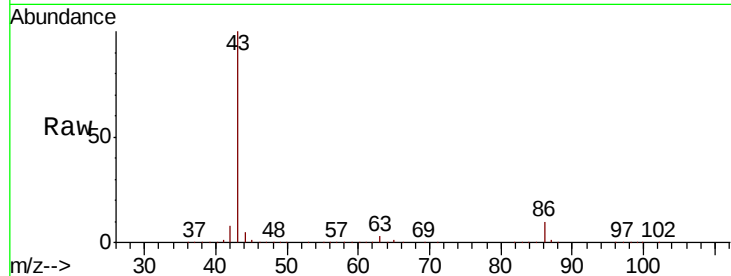
VSTDCCC050EC

Tot Ion: 43 Resp: 1093880

Ion Ratio Lower Upper

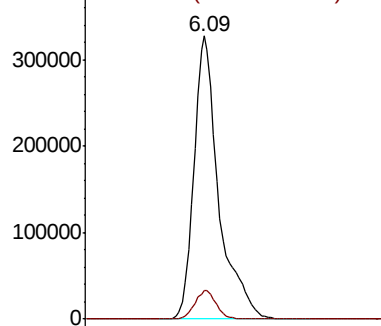
43 100

86 10.1 7.8 11.8

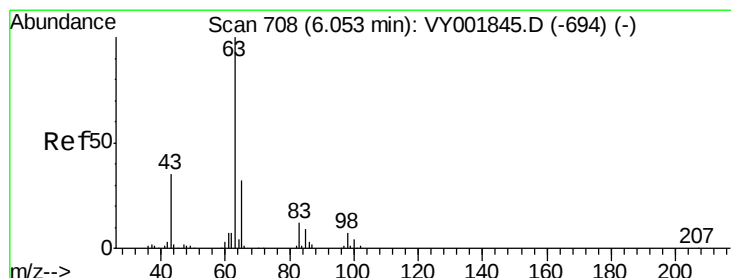
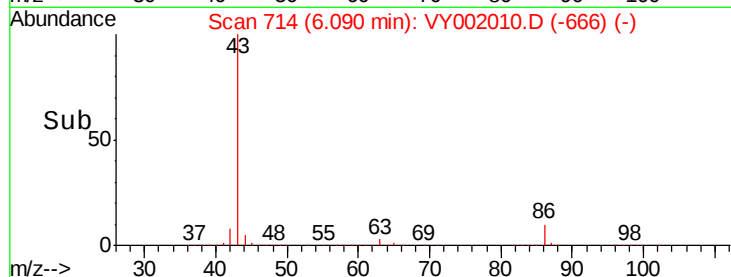


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 56.784 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

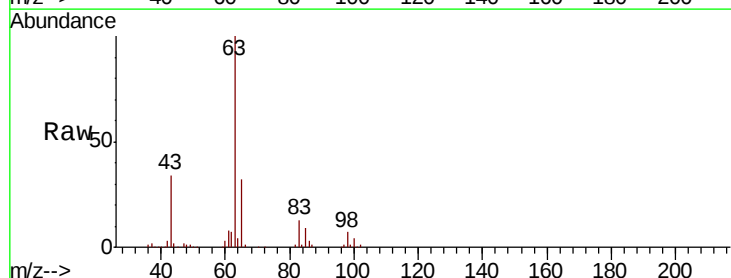
Tgt Ion: 63 Resp: 182964

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

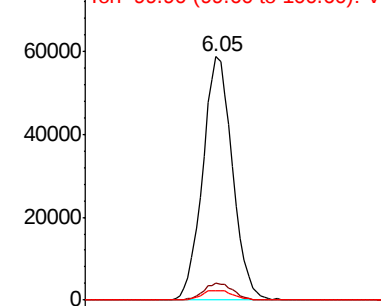
100 4.0 2.0 6.0



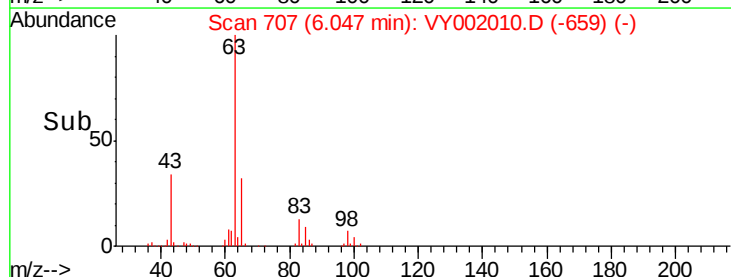
Abundance Ion 62.90 (62.60 to 63.60): VY0

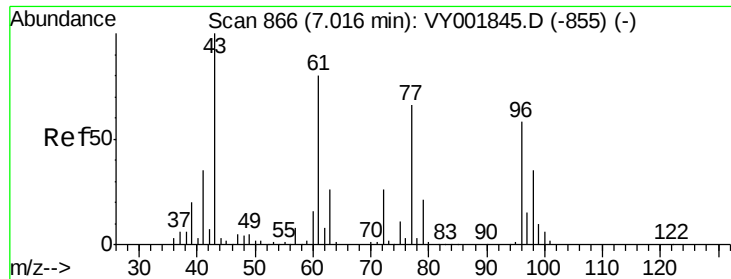
Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->

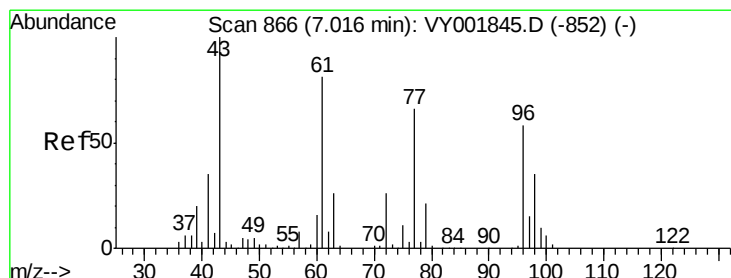
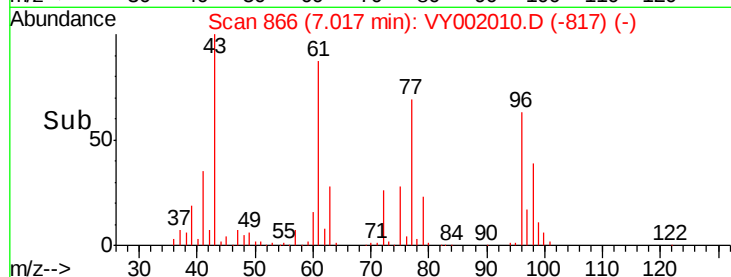
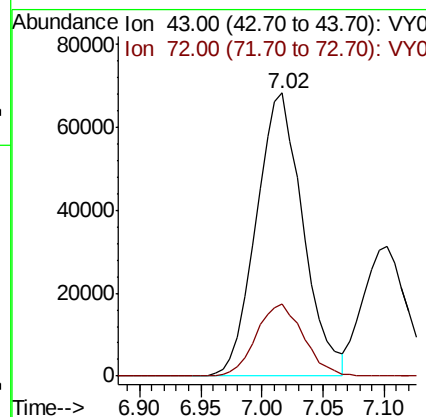
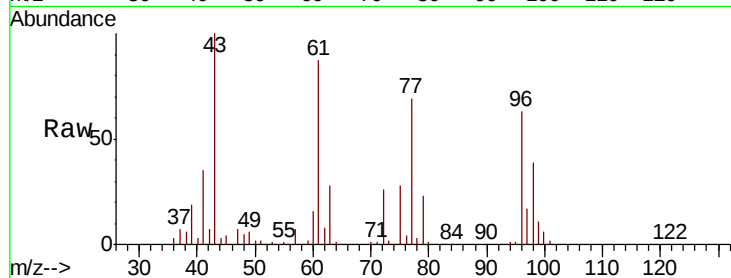




#25
2-Butanone
Concen: 261.116 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

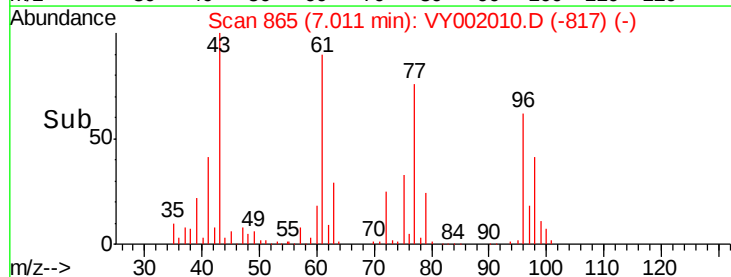
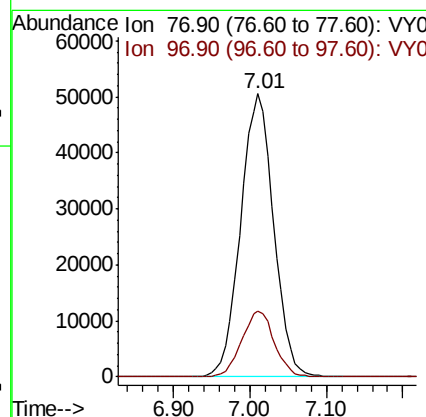
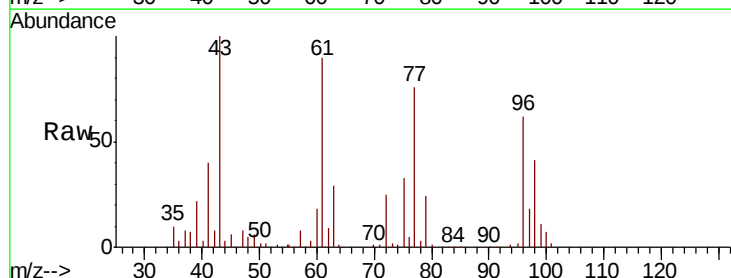
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

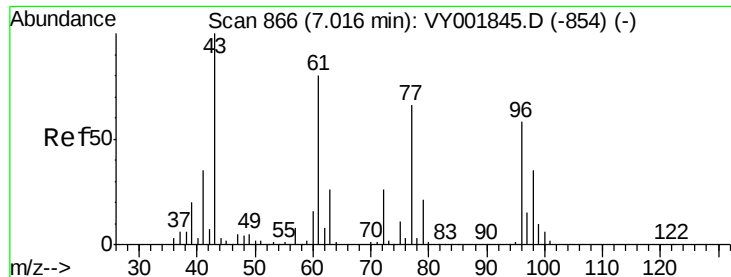
Tot Ion: 43 Resp: 181829
Ion Ratio Lower Upper
43 100
72 25.7 20.9 31.3



#26
2,2-Dichloropropane
Concen: 57.097 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 77 Resp: 150999
Ion Ratio Lower Upper
77 100
97 23.0 11.9 35.7



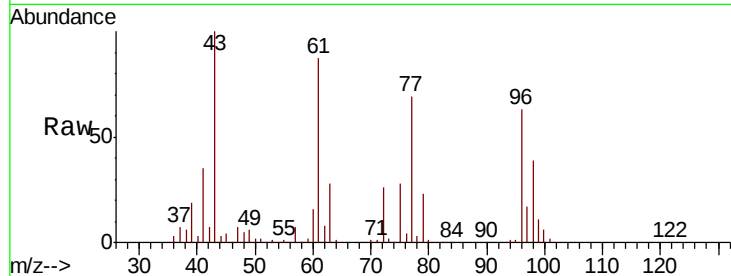


#27

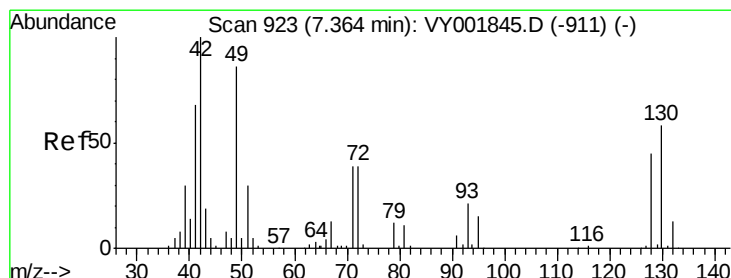
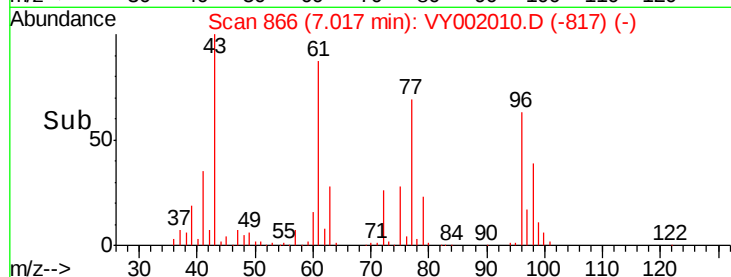
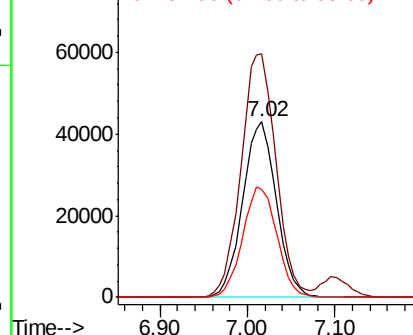
cis-1,2-Dichloroethene
Concen: 56.981 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 115189
Ion Ratio Lower Upper
96 100
61 144.2 0.0 288.2
98 63.8 0.0 129.0



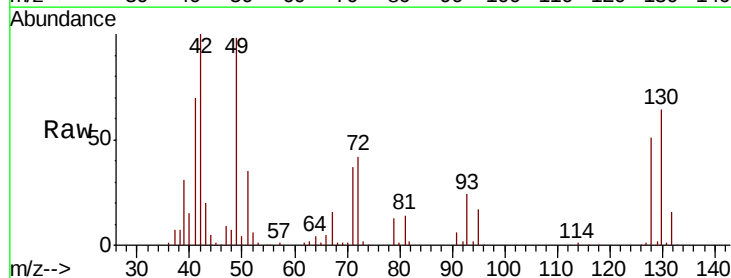
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



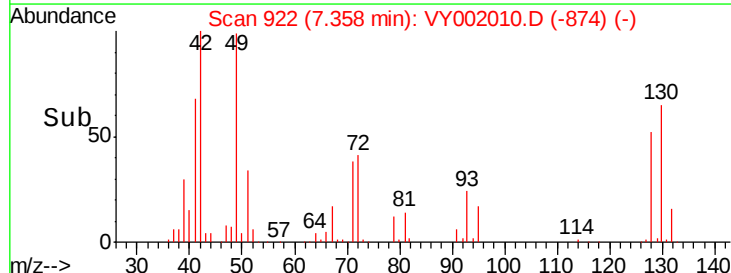
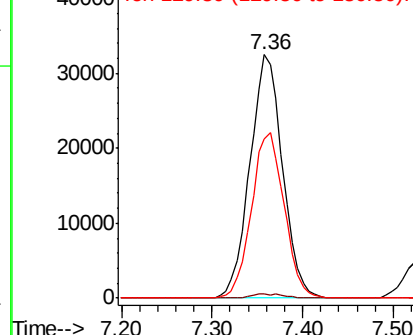
#28

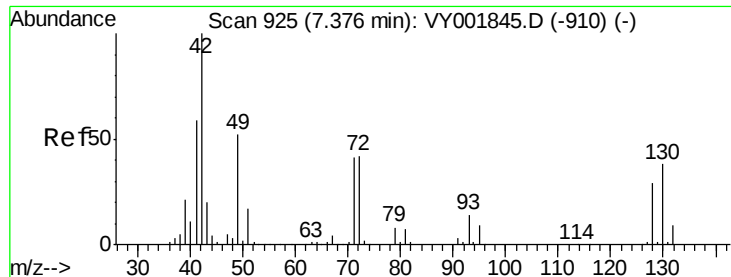
Bromochloromethane
Concen: 55.665 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 49 Resp: 80845
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 68.2 54.4 81.6



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0





#29

Tetrahydrofuran

Concen: 260.528 ug/l

RT: 7.37 min Scan# 924

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

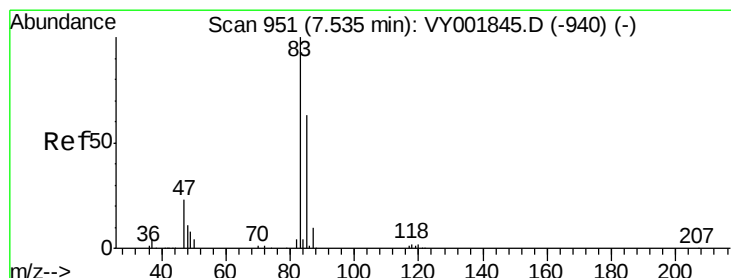
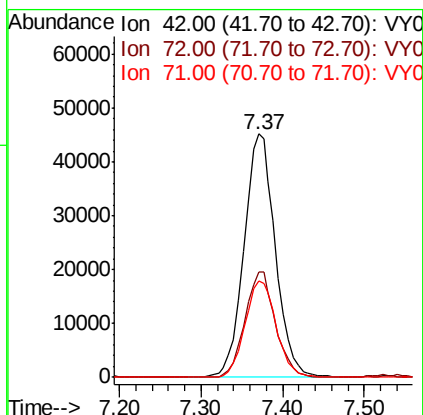
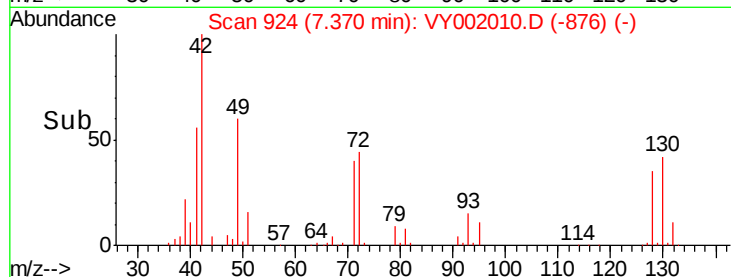
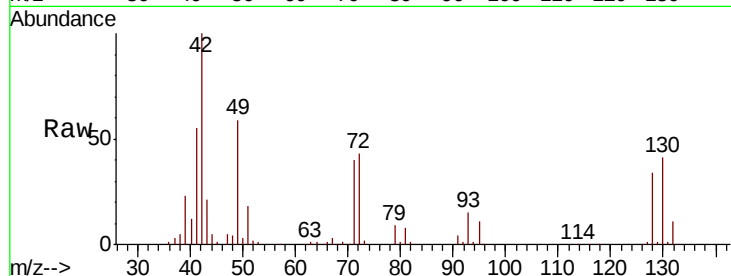
Tot Ion: 42 Resp: 120474

Ion Ratio Lower Upper

42 100

72 41.9 33.5 50.3

71 39.5 31.3 46.9



#30

Chloroform

Concen: 57.416 ug/l

RT: 7.53 min Scan# 951

Delta R.T. 0.00 min

Lab File: VY002010.D

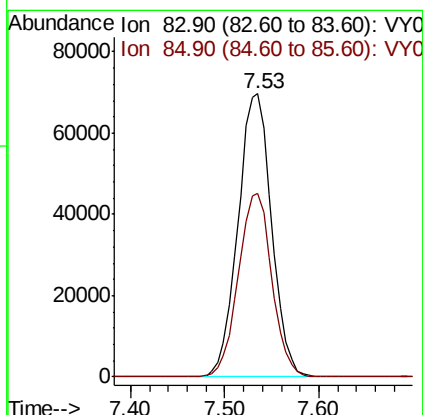
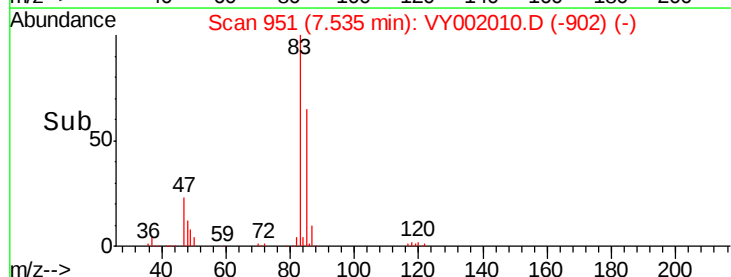
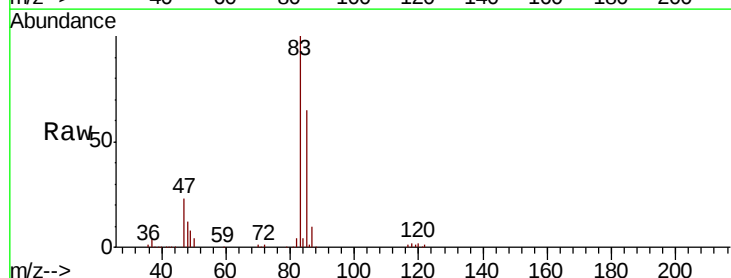
Acq: 18 Mar 2020 17:19

Tgt Ion: 83 Resp: 173811

Ion Ratio Lower Upper

83 100

85 64.7 50.7 76.1





#31

Cyclohexane

Concen: 51.306 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

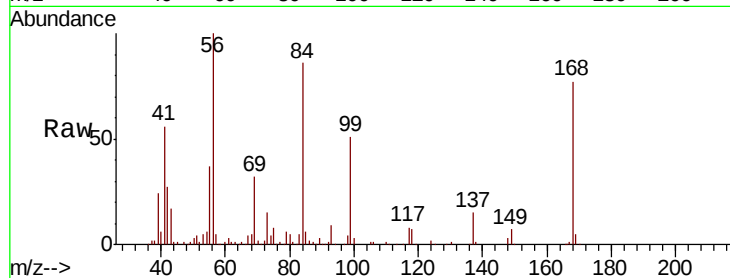
Tot Ion: 56 Resp: 177251

Ion Ratio Lower Upper

56 100

69 31.9 26.7 40.1

84 85.3 70.4 105.6

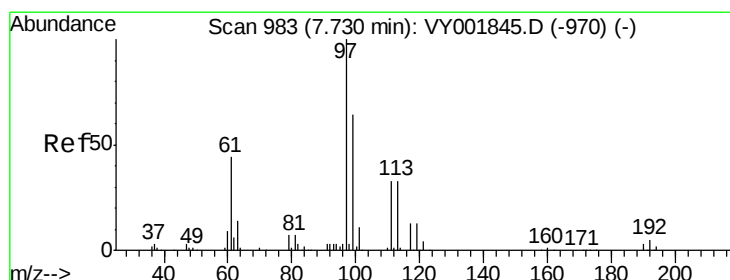
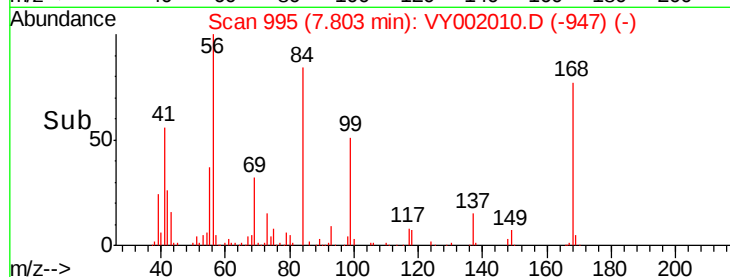
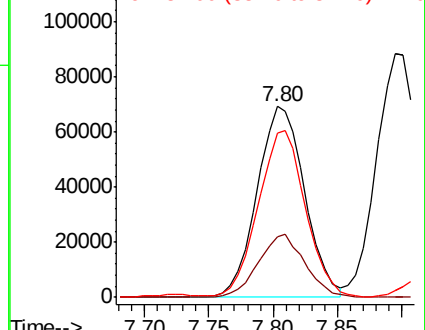


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 57.554 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

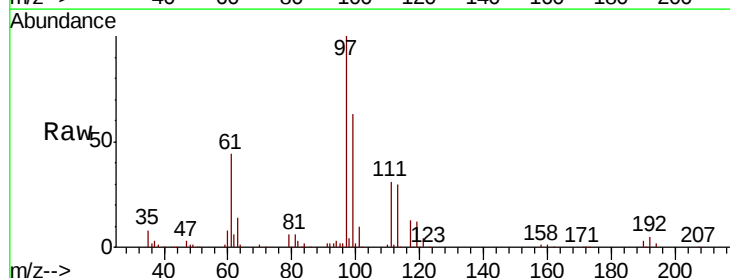
Tgt Ion: 97 Resp: 146848

Ion Ratio Lower Upper

97 100

99 63.7 52.0 78.0

61 44.0 35.0 52.4

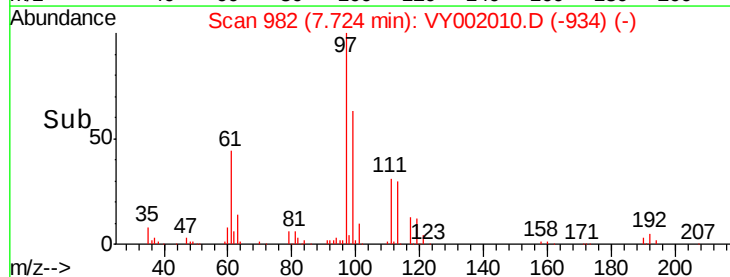
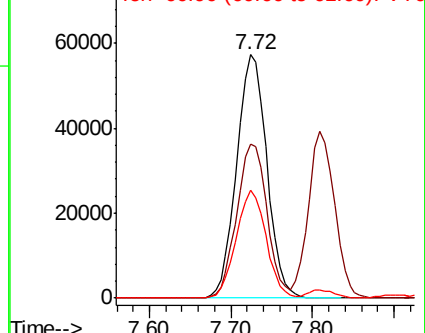


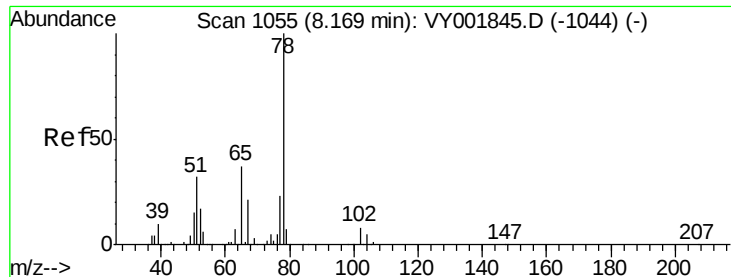
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 52.624 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

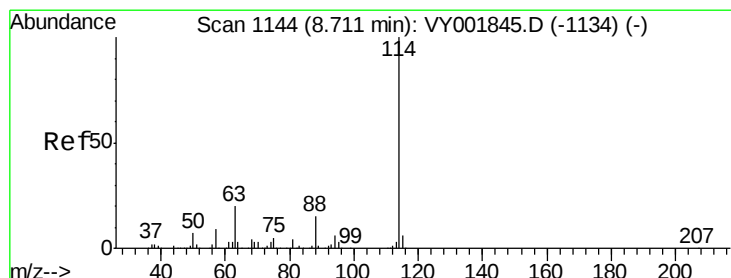
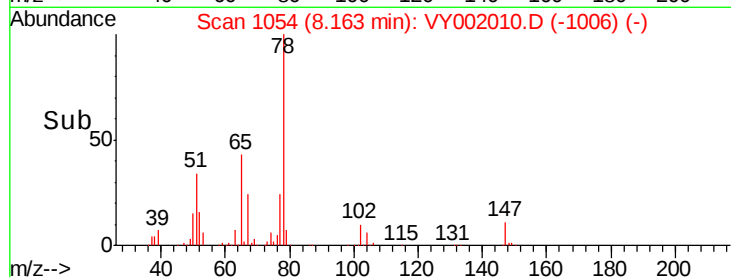
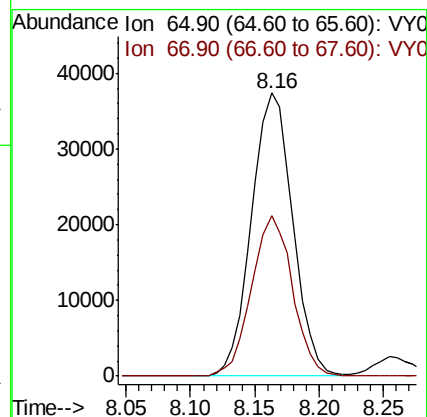
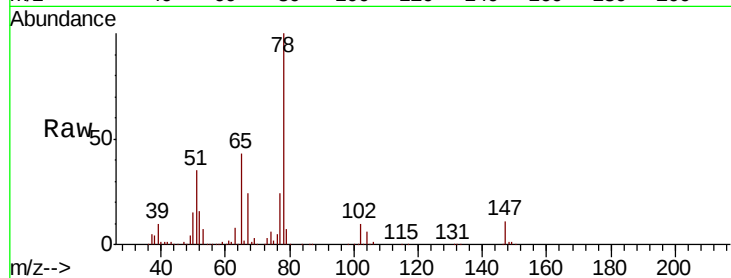
VSTDCCC050EC

Tot Ion: 65 Resp: 82734

Ion Ratio Lower Upper

65 100

67 56.3 0.0 110.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

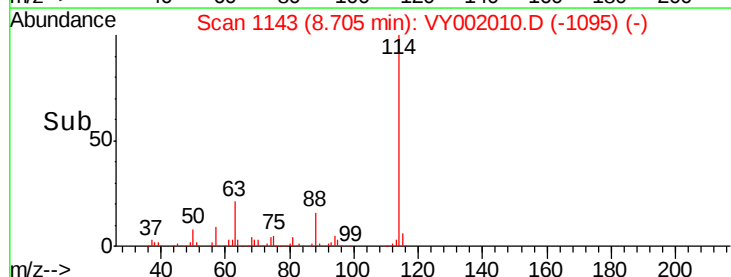
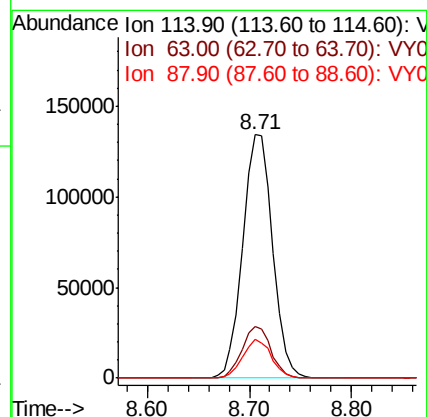
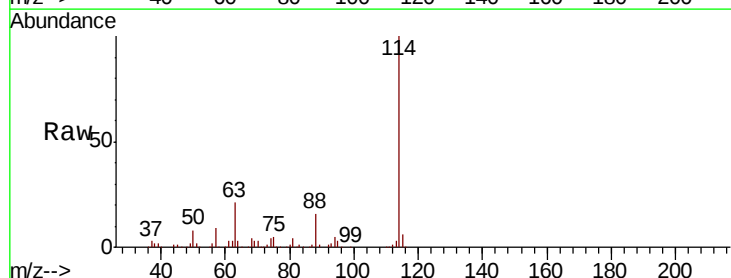
Tgt Ion: 114 Resp: 272253

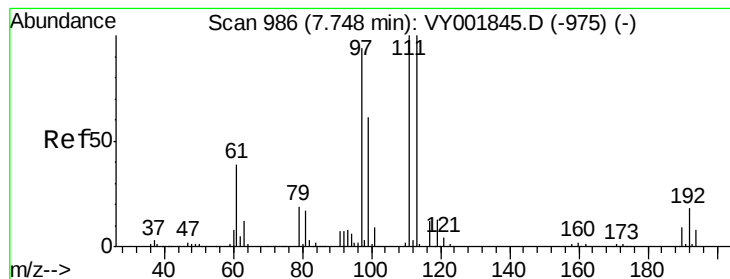
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.4

88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.569 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

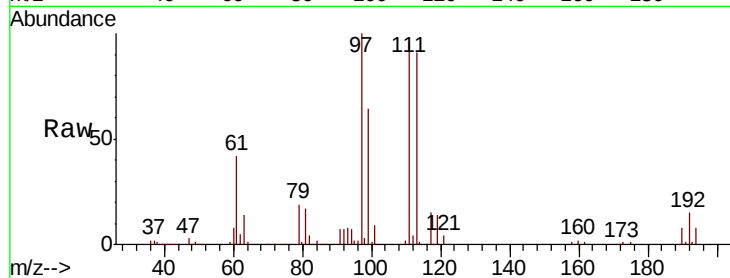
Tot Ion:113 Resp: 78150

Ion Ratio Lower Upper

113 100

111 103.9 81.8 122.8

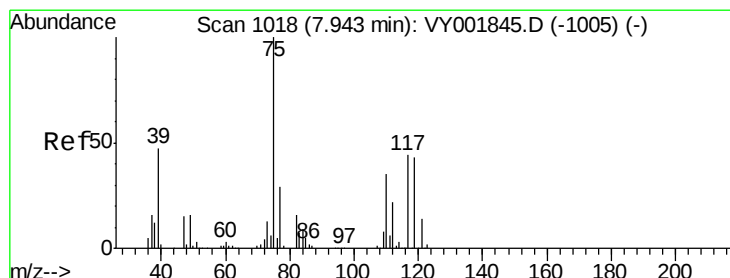
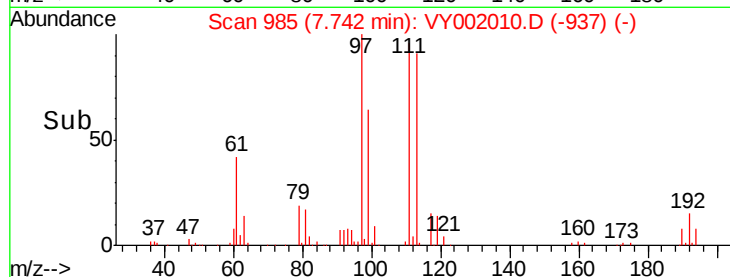
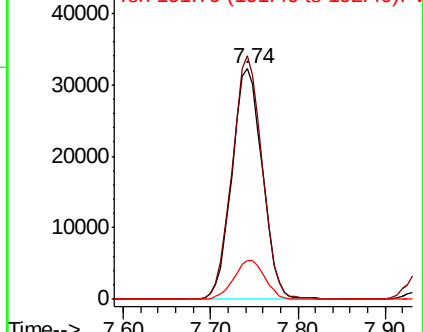
192 17.2 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.822 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

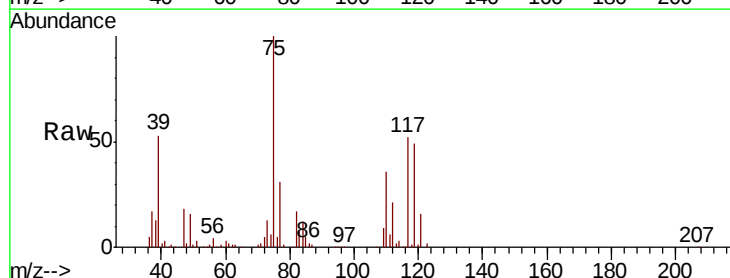
Tgt Ion: 75 Resp: 141009

Ion Ratio Lower Upper

75 100

110 34.7 17.4 52.2

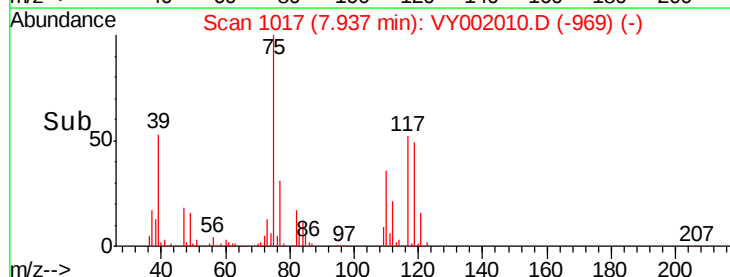
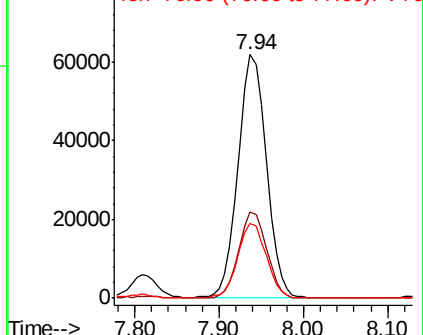
77 30.8 24.2 36.2

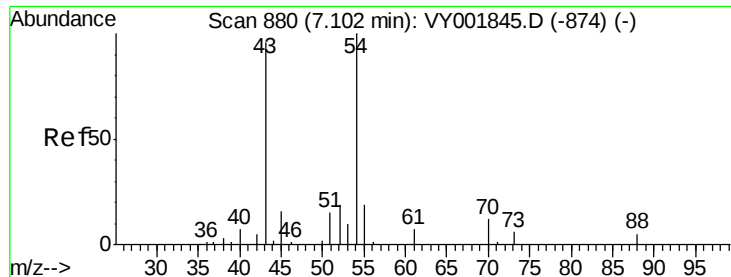


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

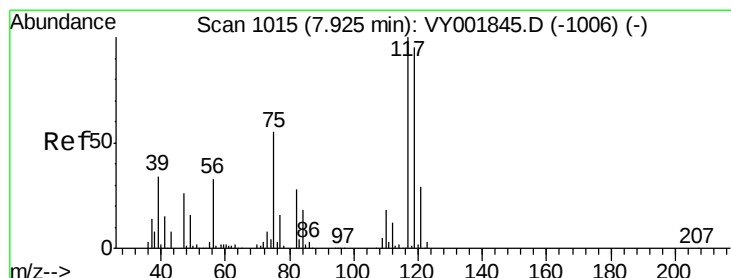
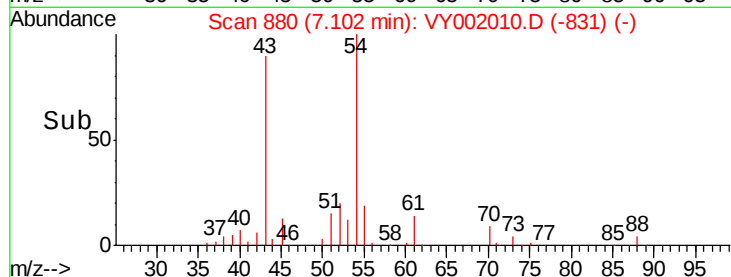
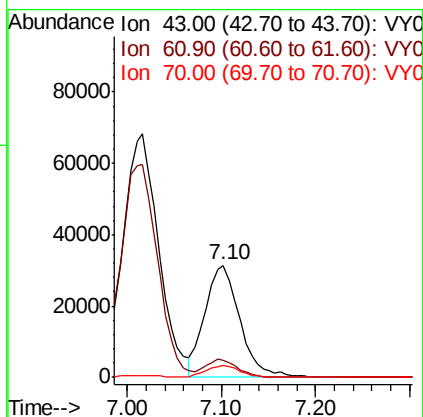
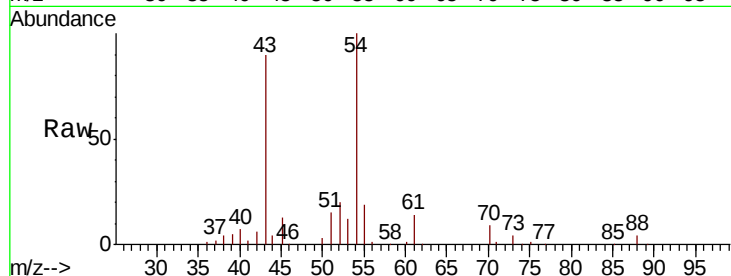




#37
Ethyl Acetate
Concen: 52.943 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

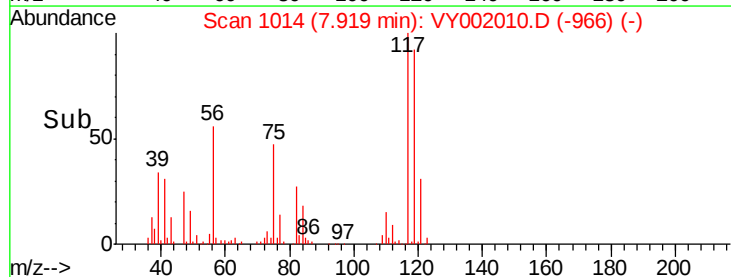
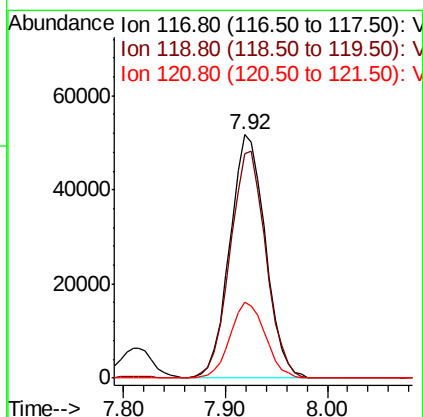
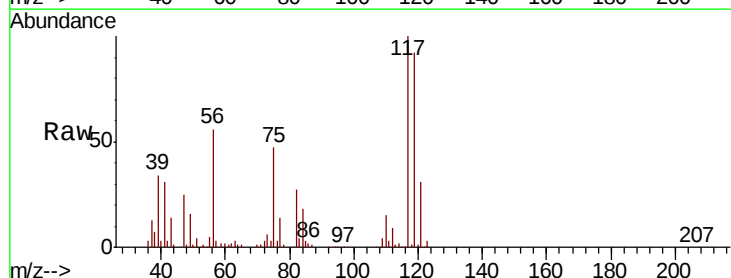
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

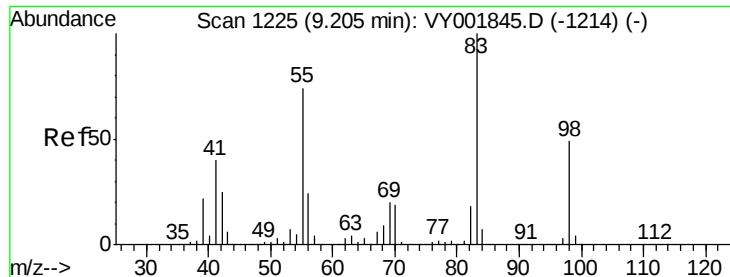
Tot Ion: 43 Resp: 80616
Ion Ratio Lower Upper
43 100
61 14.5 11.1 16.7
70 10.3 8.2 12.4



#38
Carbon Tetrachloride
Concen: 55.844 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 117 Resp: 124983
Ion Ratio Lower Upper
117 100
119 92.3 76.3 114.5
121 31.1 23.5 35.3

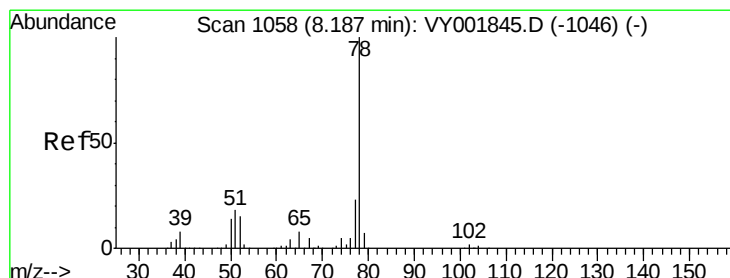
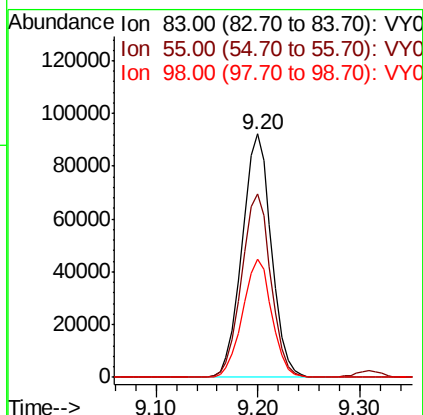
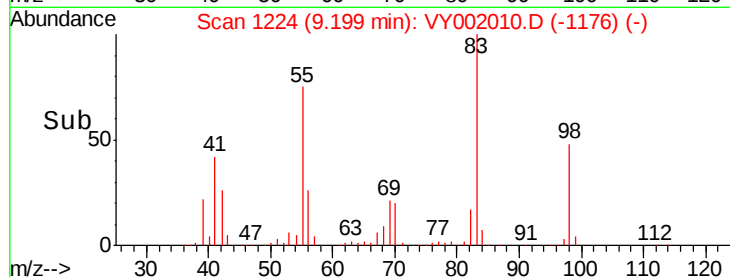
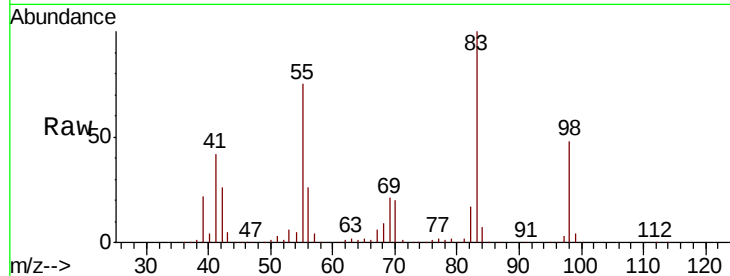




#39
Methvlcvclohexane
Concen: 52.854 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

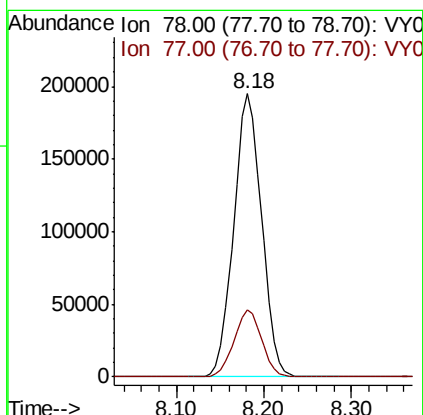
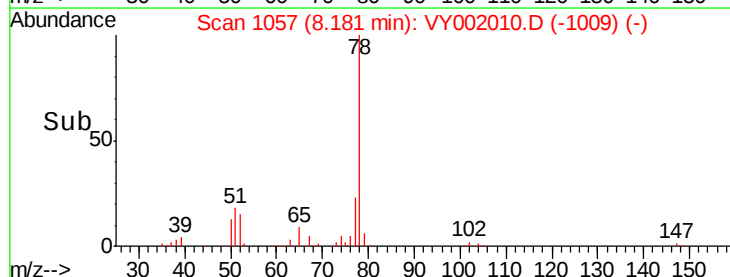
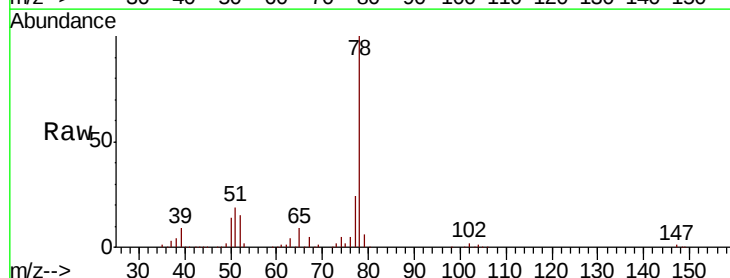
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 183659
Ion Ratio Lower Upper
83 100
55 75.4 59.4 89.0
98 48.3 38.9 58.3



#40
Benzene
Concen: 55.544 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 78 Resp: 431321
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1

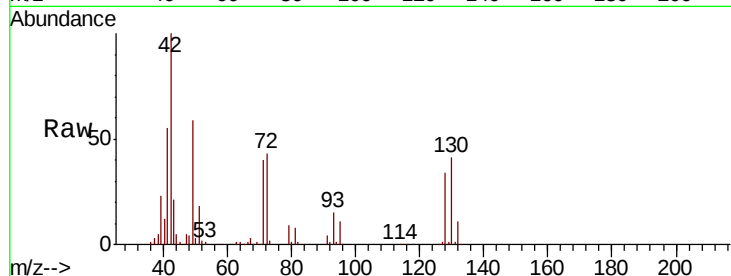




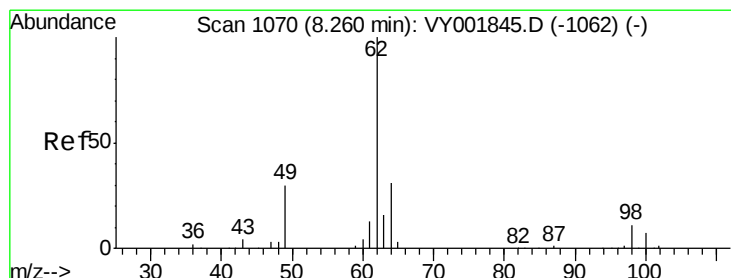
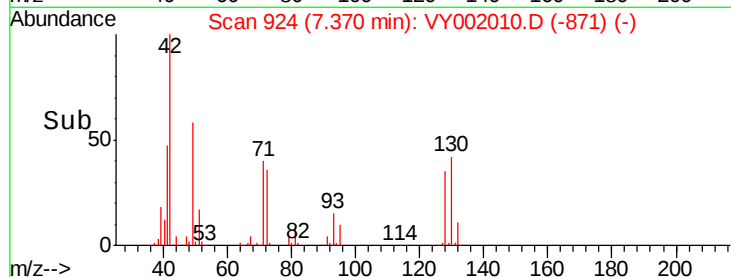
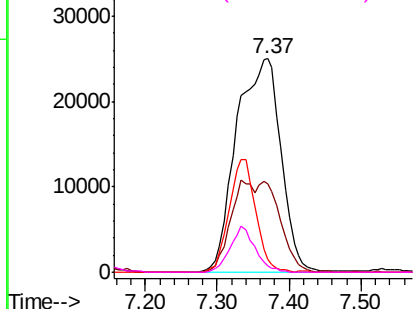
#41
Methacrylonitrile
Concen: 156.863 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 107493
Ion Ratio Lower Upper
41 100
39 0.0 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

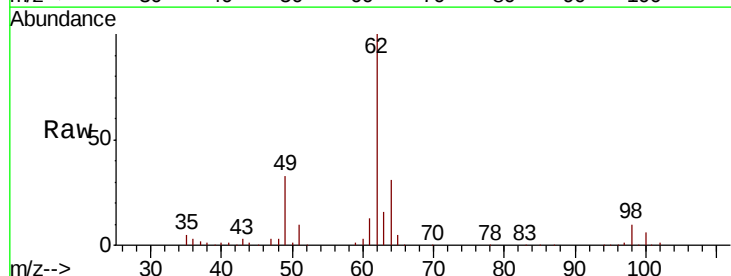


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

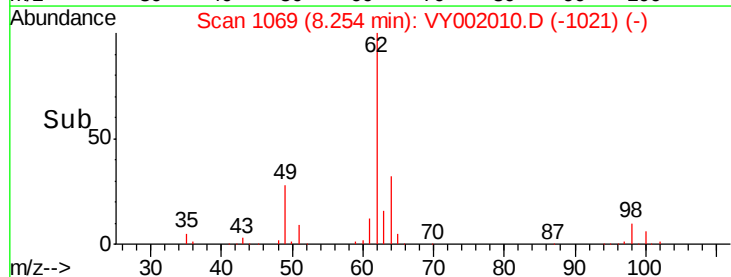
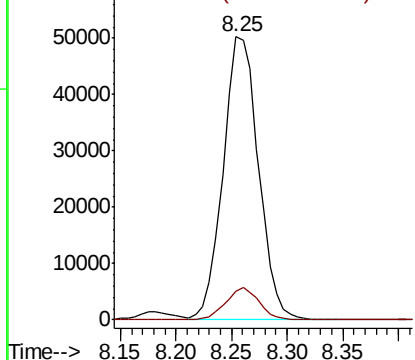


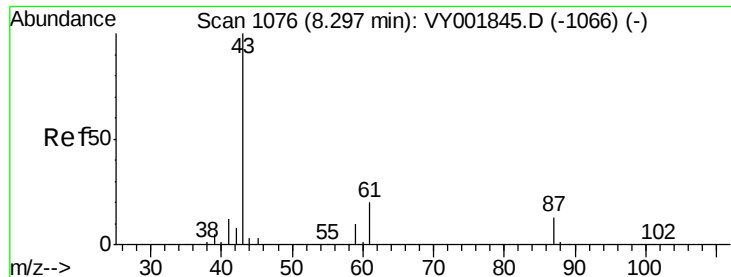
#42
1,2-Dichloroethane
Concen: 55.314 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 62 Resp: 110683
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.4



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





#43

Isopropyl Acetate

Concen: 53.911 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

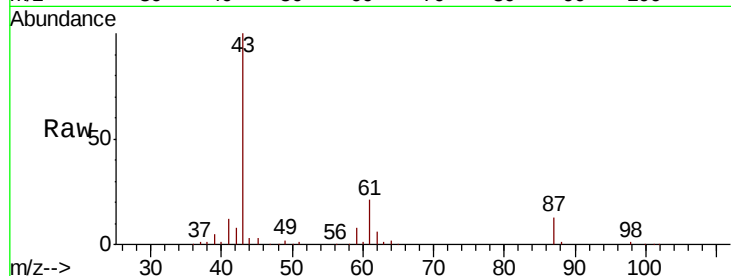
Tot Ion: 43 Resp: 155418

Ion Ratio Lower Upper

43 100

61 29.3 23.8 35.6

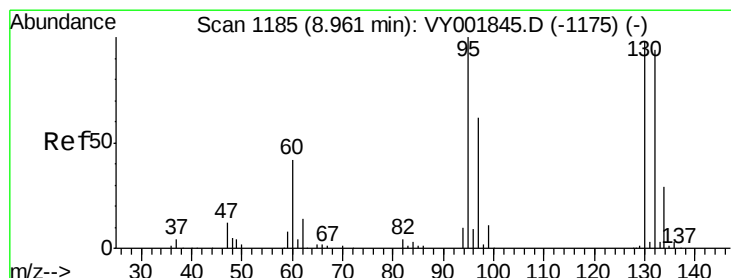
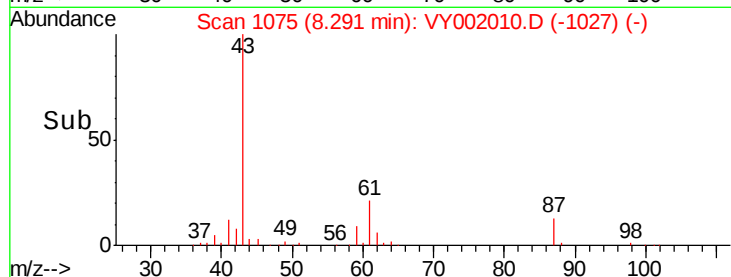
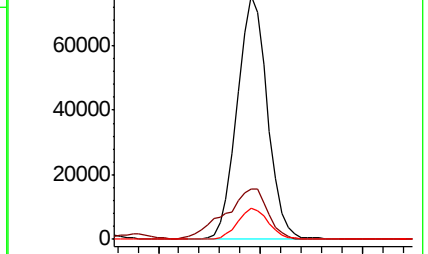
87 12.9 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VY002010.D (-1075) (-)

Ion 61.00 (60.70 to 61.70): VY002010.D (-1075) (-)

Ion 87.00 (86.70 to 87.70): VY002010.D (-1075) (-)



#44

Trichloroethene

Concen: 54.712 ug/l

RT: 8.96 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VY002010.D

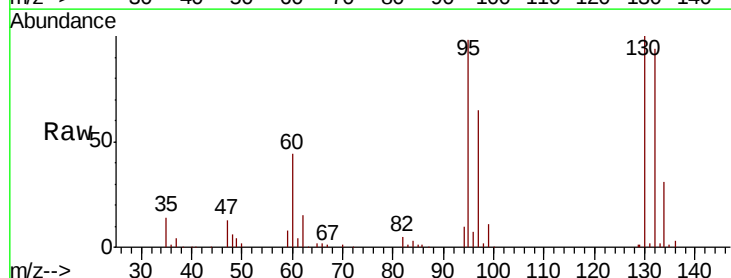
Acq: 18 Mar 2020 17:19

Tgt Ion:130 Resp: 103472

Ion Ratio Lower Upper

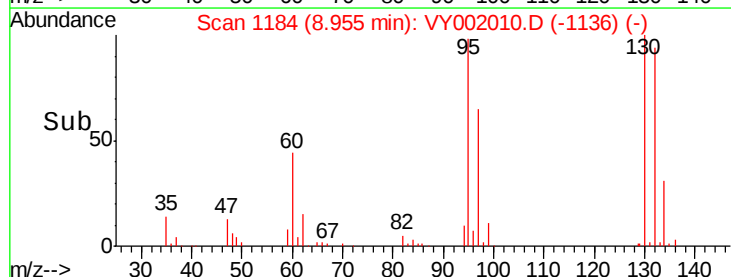
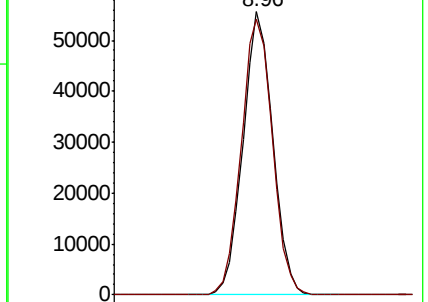
130 100

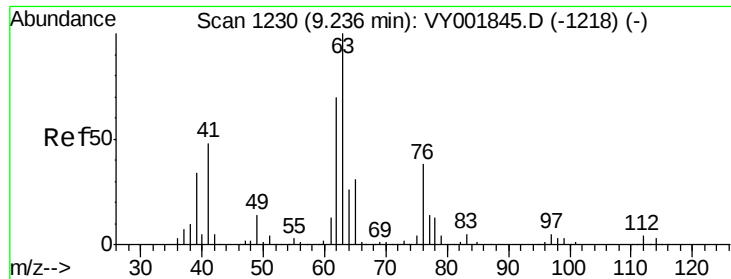
95 97.5 0.0 204.6



Abundance Ion 129.80 (129.50 to 130.50): VY002010.D (-1184) (-)

Ion 94.90 (94.60 to 95.60): VY002010.D (-1184) (-)

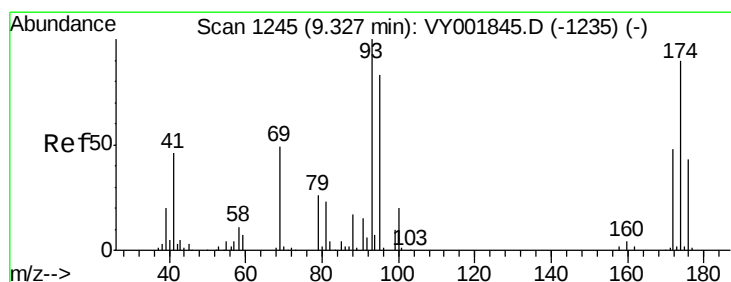
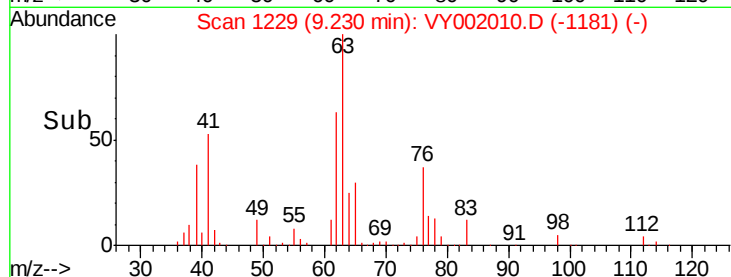
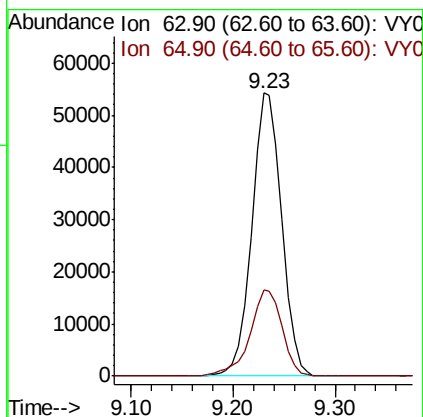
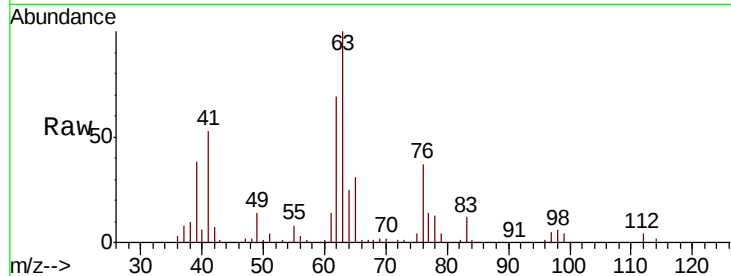




#45
 1,2-Dichloropropane
 Concen: 56.497 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

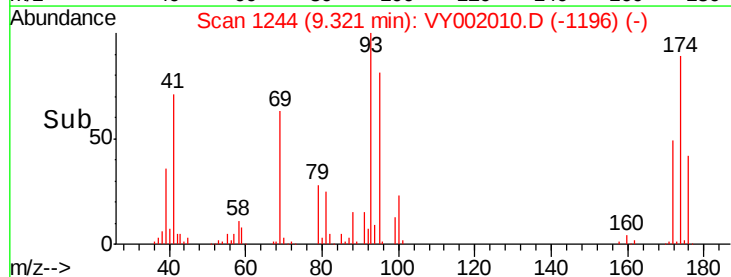
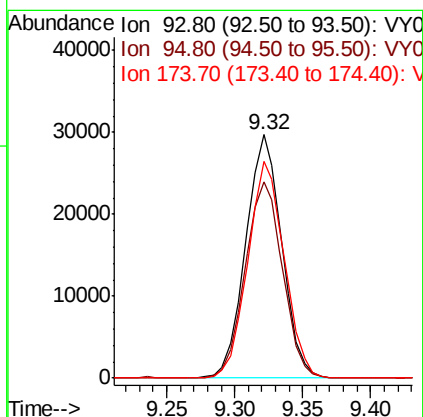
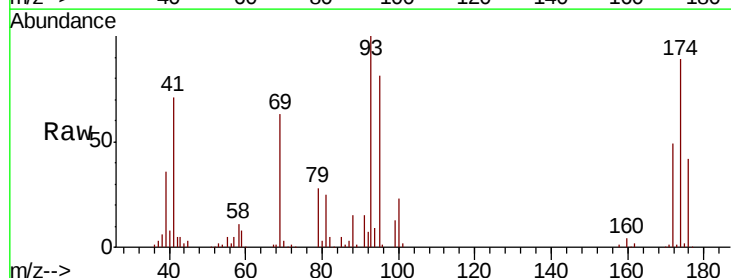
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

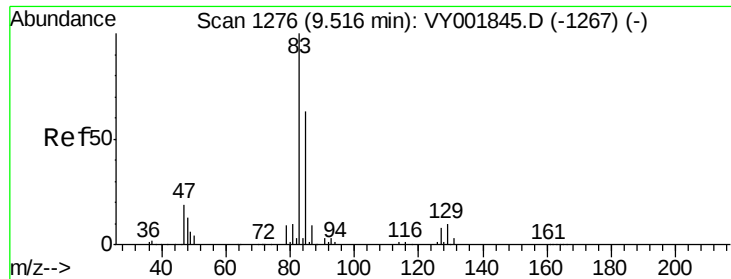
Tot Ion: 63 Resp: 110286
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.9 37.3



#46
 Dibromomethane
 Concen: 54.758 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

Tgt Ion: 93 Resp: 55084
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.0 100.4
 174 90.0 71.8 107.8





#47

Bromodichloromethane

Concen: 57.732 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

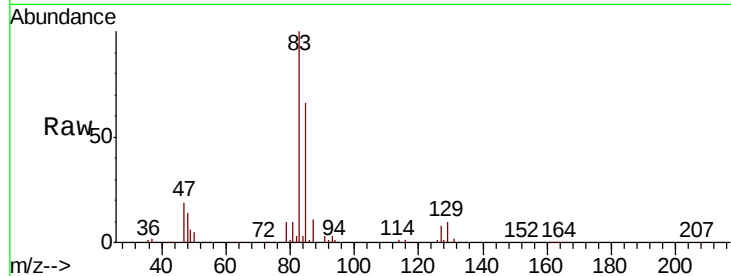
Tot Ion: 83 Resp: 135097

Ion Ratio Lower Upper

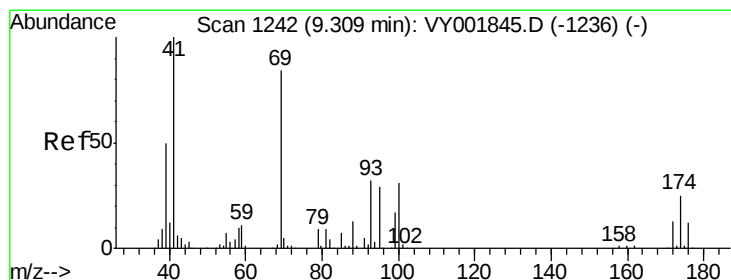
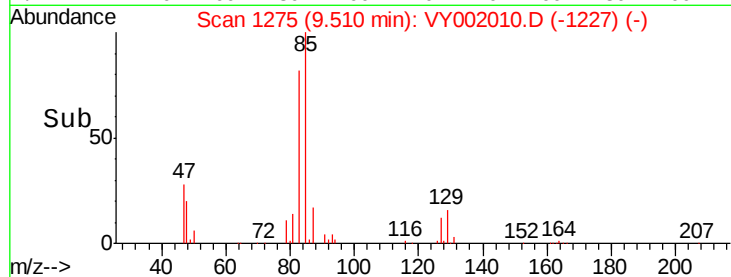
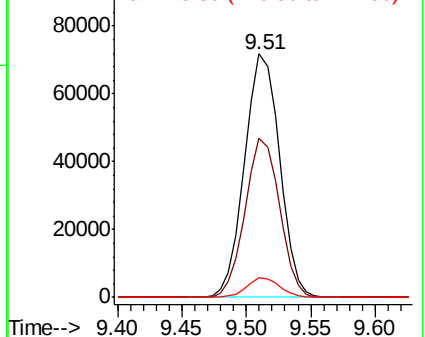
83 100

85 65.6 50.6 76.0

127 7.8 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 56.135 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

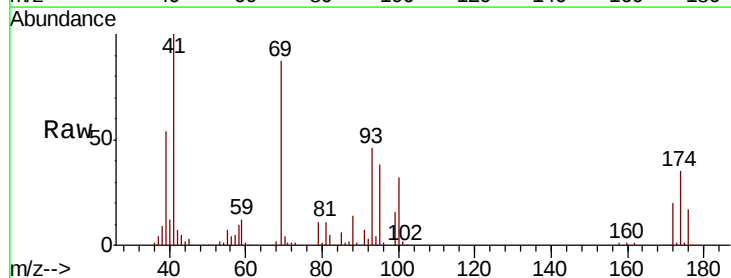
Tgt Ion: 41 Resp: 71809

Ion Ratio Lower Upper

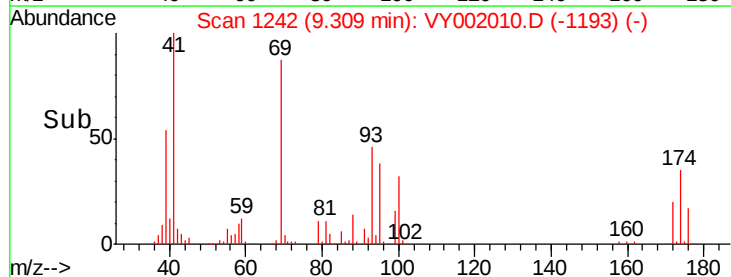
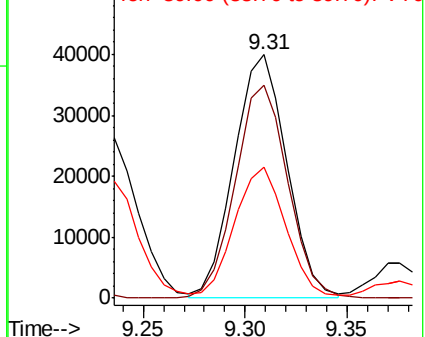
41 100

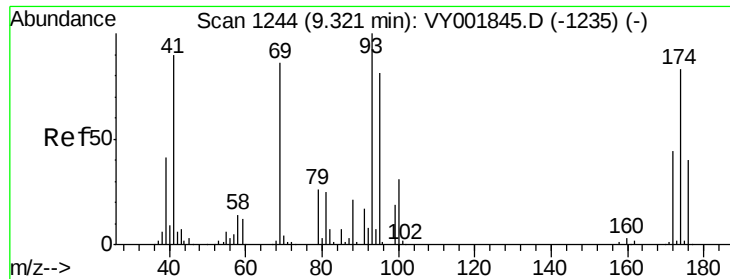
69 87.4 69.0 103.6

39 52.7 39.1 58.7



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 1012.400 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

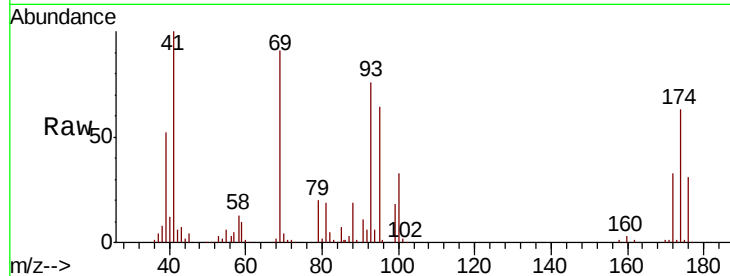
Tot Ion: 88 Resp: 13955

Ion Ratio Lower Upper

88 100

43 32.4 25.0 37.6

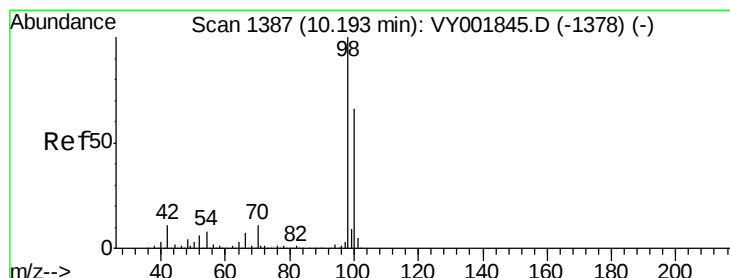
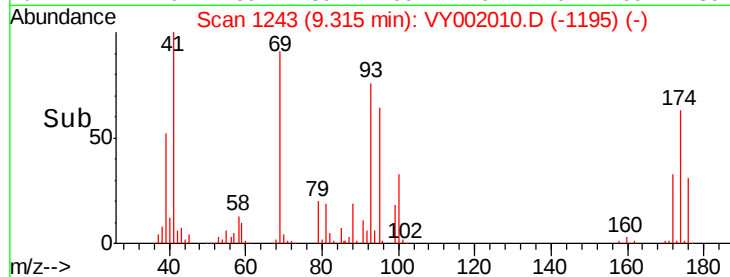
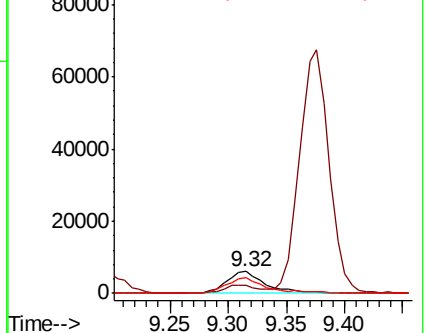
58 76.7 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.287 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002010.D

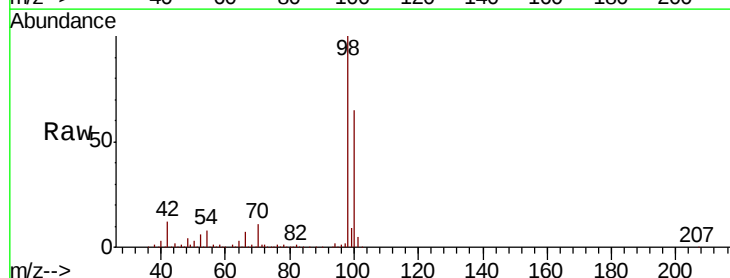
Acq: 18 Mar 2020 17:19

Tgt Ion: 98 Resp: 321511

Ion Ratio Lower Upper

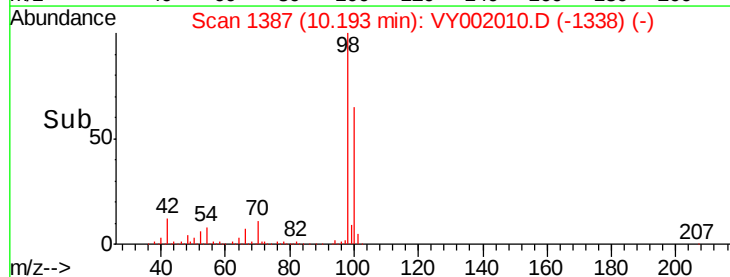
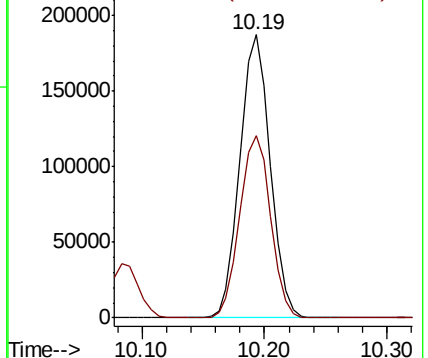
98 100

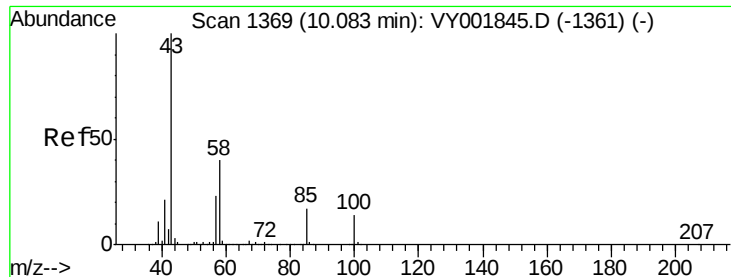
100 65.7 53.0 79.4



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: 273.753 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

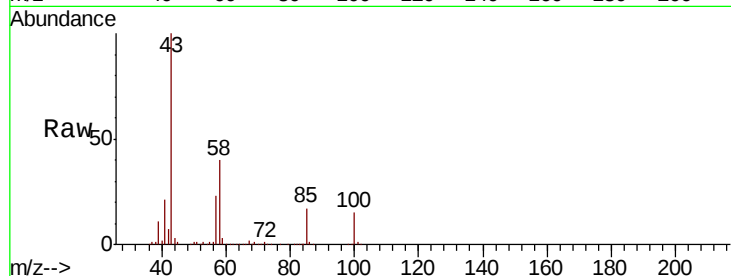
VSTDCCC050EC

Tot Ion: 43 Resp: 406493

Ion Ratio Lower Upper

43 100

58 39.8 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)

10.08

250000

200000

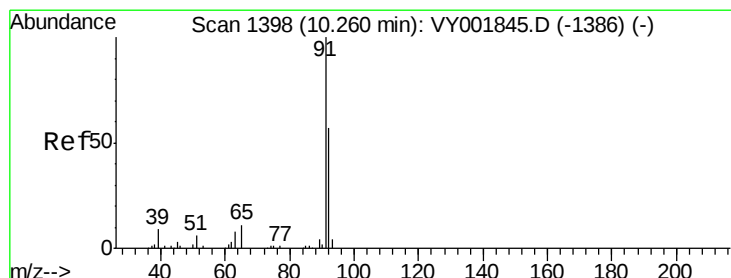
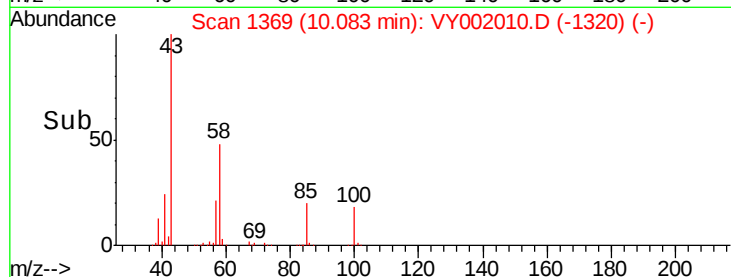
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 55.550 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY002010.D

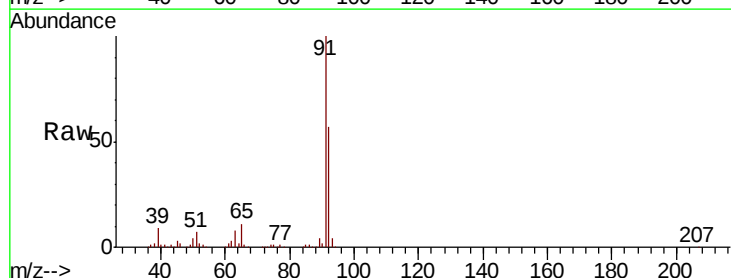
Acq: 18 Mar 2020 17:19

Tgt Ion: 92 Resp: 262048

Ion Ratio Lower Upper

92 100

91 172.7 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY001845.D (-1386) (-)

Ion 91.00 (90.70 to 91.70): VY001845.D (-1386) (-)

300000

250000

200000

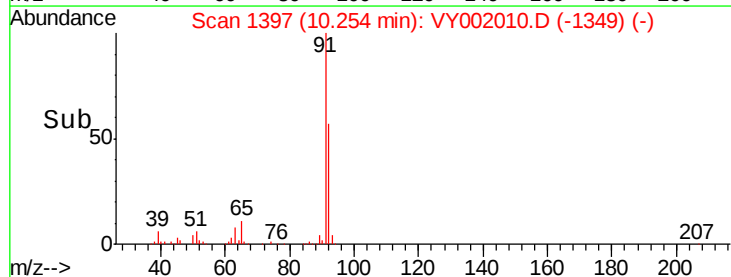
150000

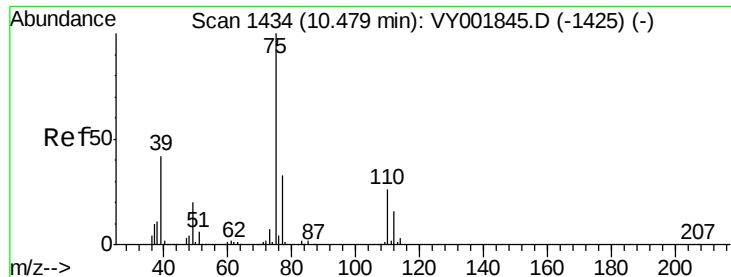
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.873 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

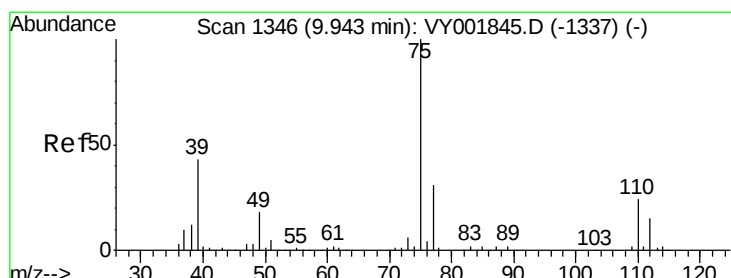
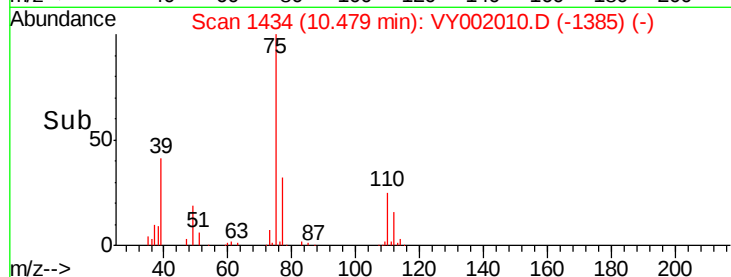
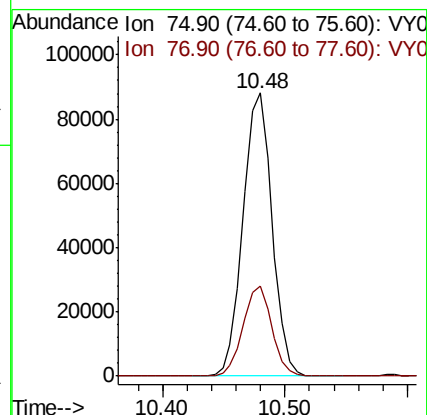
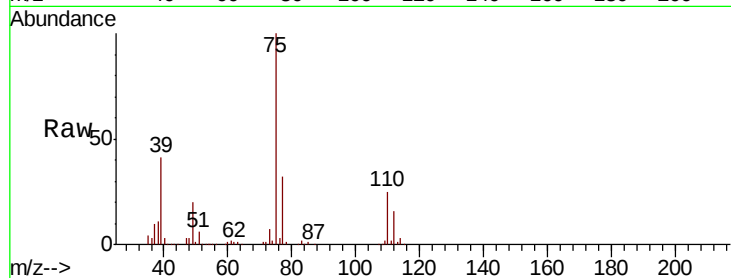
VSTDCCC050EC

Tot Ion: 75 Resp: 144994

Ion Ratio Lower Upper

75 100

77 31.9 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 57.093 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

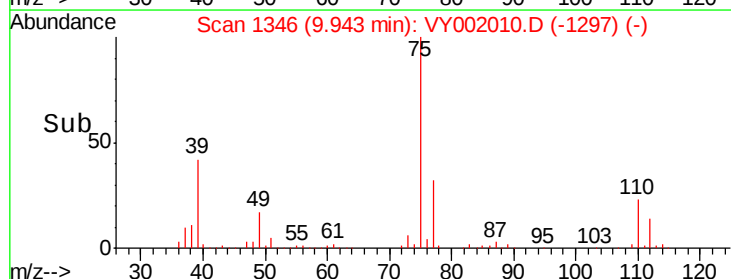
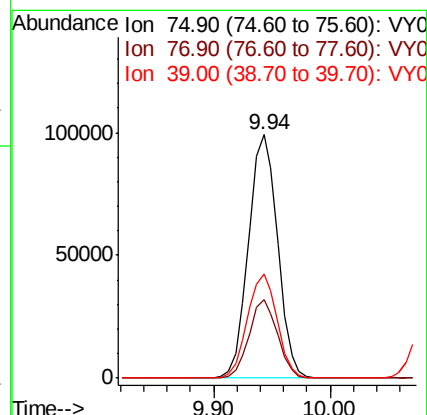
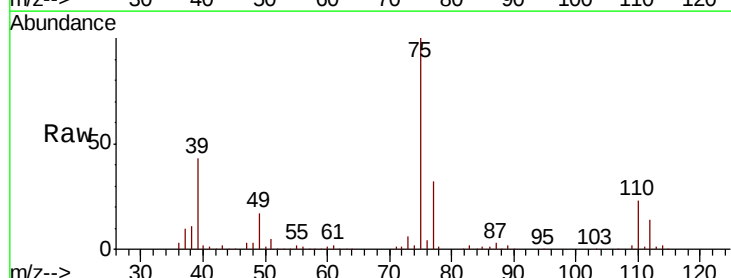
Tgt Ion: 75 Resp: 173276

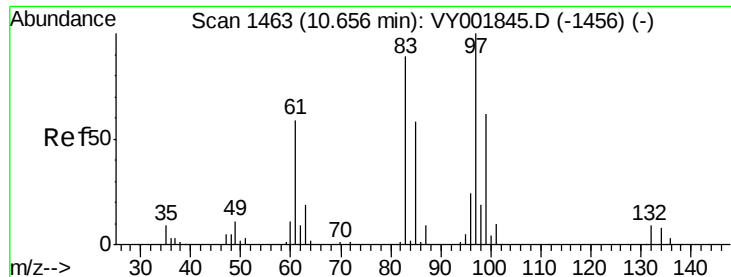
Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

39 42.5 34.7 52.1

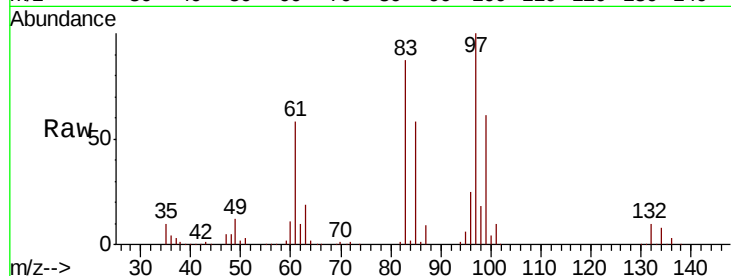




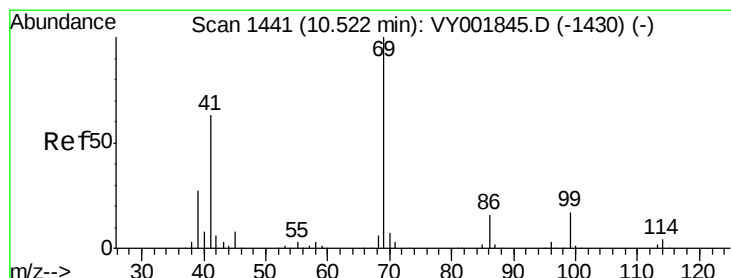
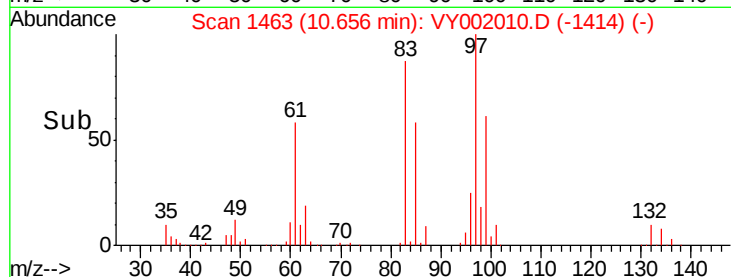
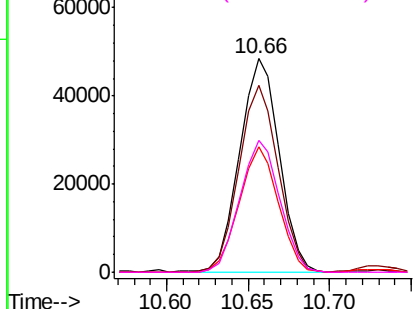
#55
 1,1,2-Trichloroethane
 Concen: 55.583 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 81830
 Ion Ratio Lower Upper
 97 100
 83 87.3 71.6 107.4
 85 58.3 46.6 69.8
 99 61.4 49.8 74.6

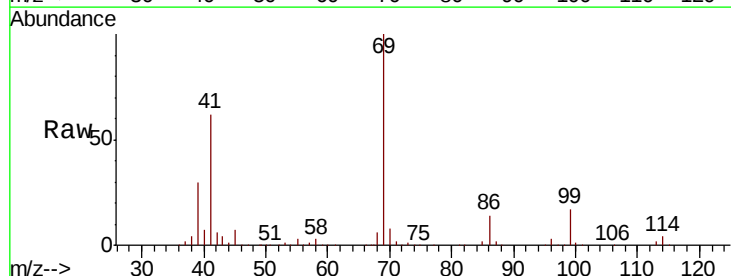


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

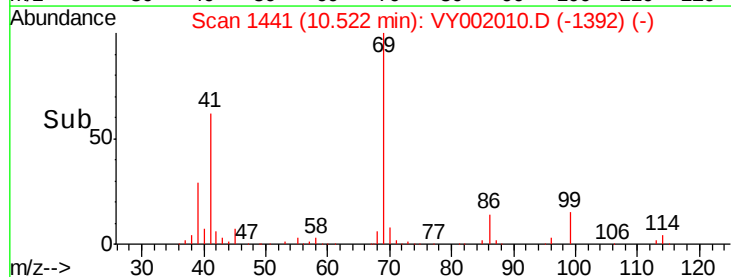
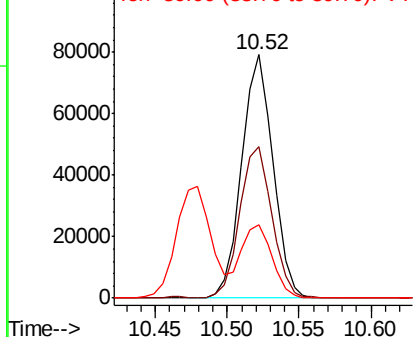


#56
 Ethyl methacrylate
 Concen: 55.189 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

Tgt Ion: 69 Resp: 119092
 Ion Ratio Lower Upper
 69 100
 41 64.0 49.9 74.9
 39 31.0 23.0 34.6



Abundance Ion 69.00 (68.70 to 69.70): VY0
 Ion 41.00 (40.70 to 41.70): VY0
 Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 55.625 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

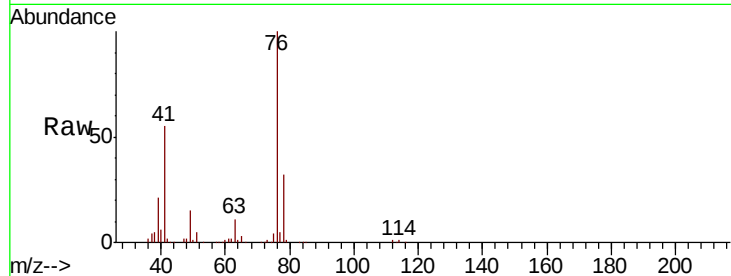
VSTDCCC050EC

Tot Ion: 76 Resp: 145974

Ion Ratio Lower Upper

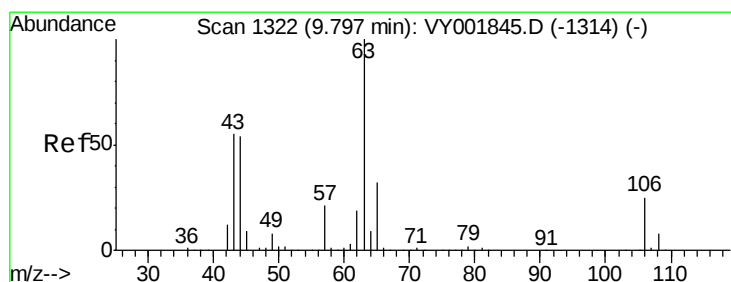
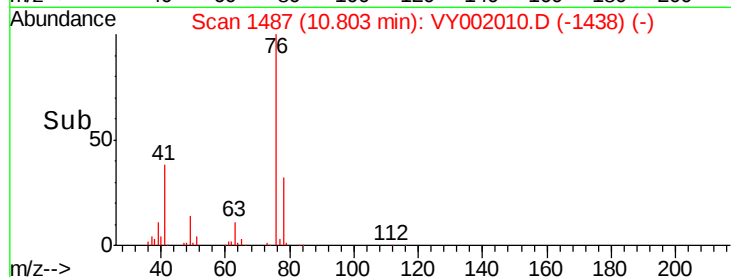
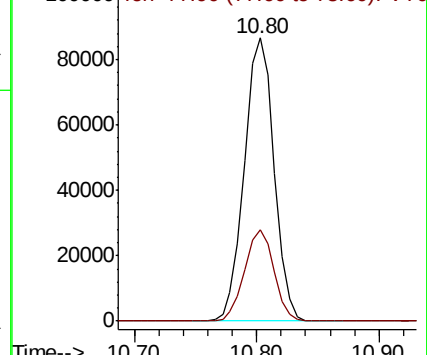
76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 241.621 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY002010.D

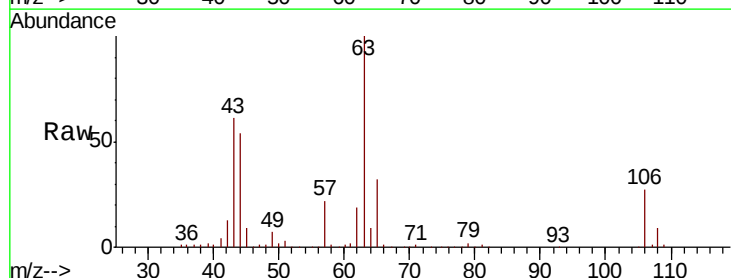
Acq: 18 Mar 2020 17:19

Tgt Ion: 63 Resp: 183080

Ion Ratio Lower Upper

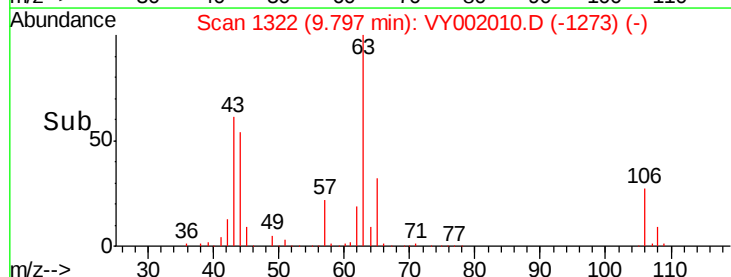
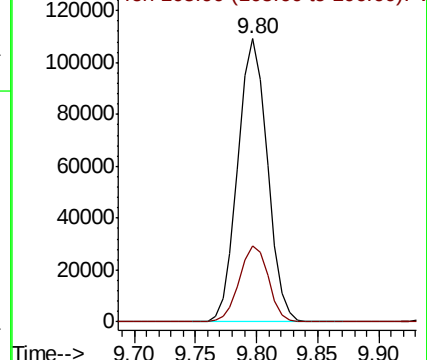
63 100

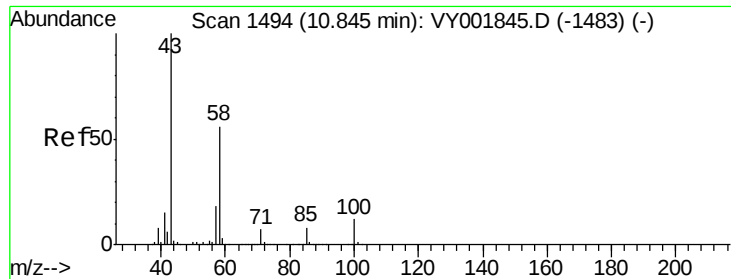
106 26.4 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

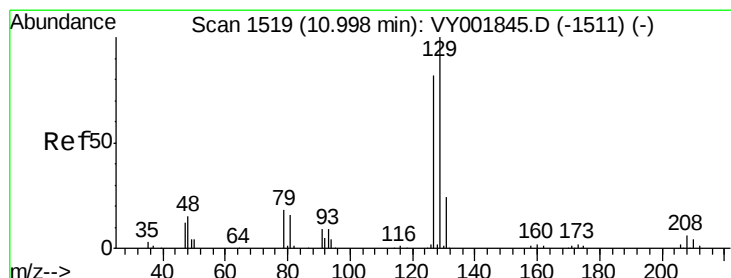
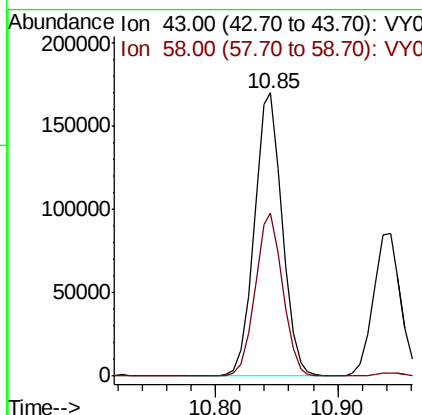
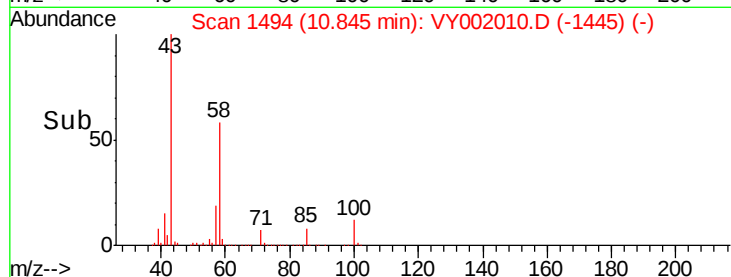
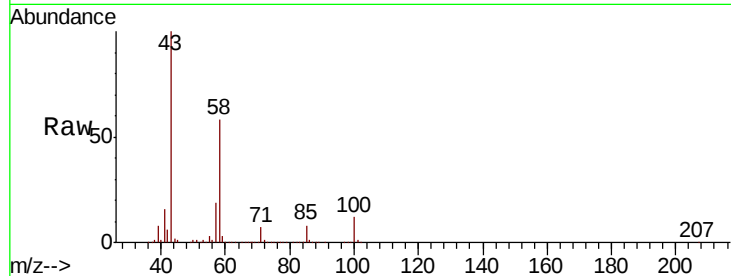




#59
2-Hexanone
Concen: 254.023 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

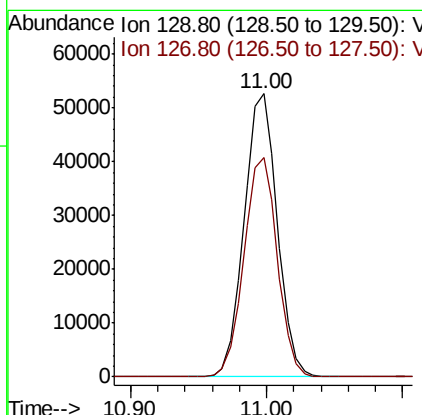
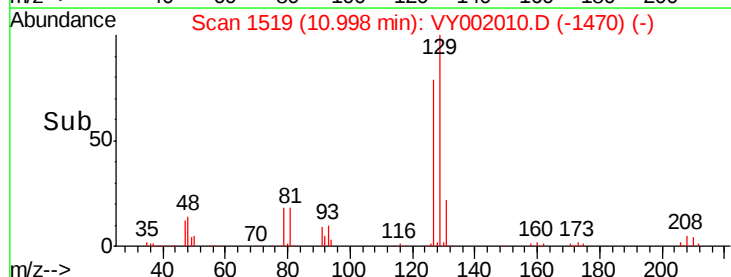
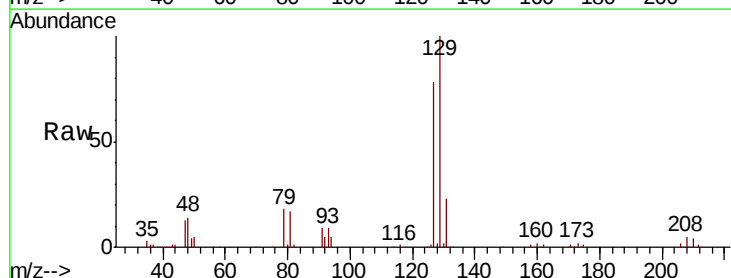
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 269225
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 57.916 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 129 Resp: 89846
Ion Ratio Lower Upper
129 100
127 77.7 39.0 117.0

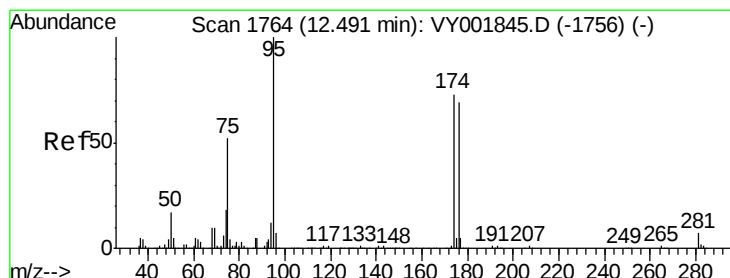
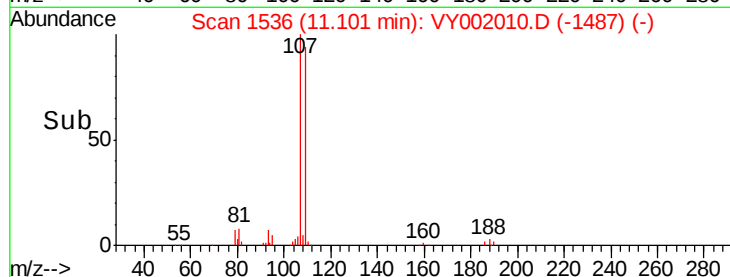
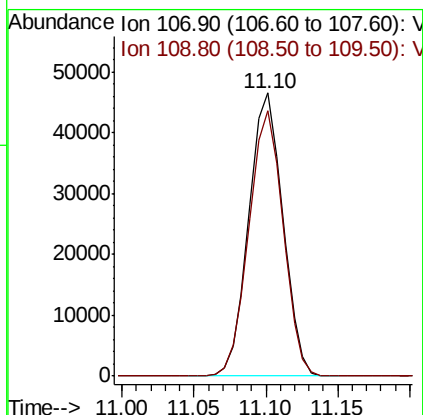
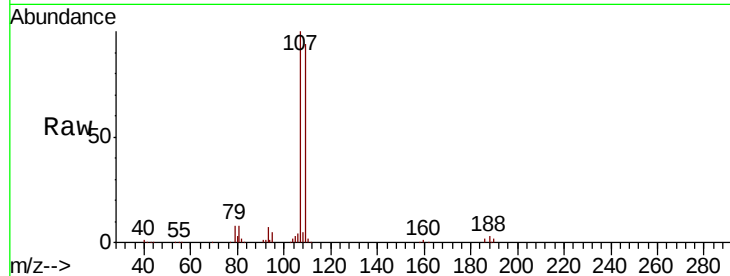




#61
 1,2-Dibromoethane
 Concen: 54.586 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

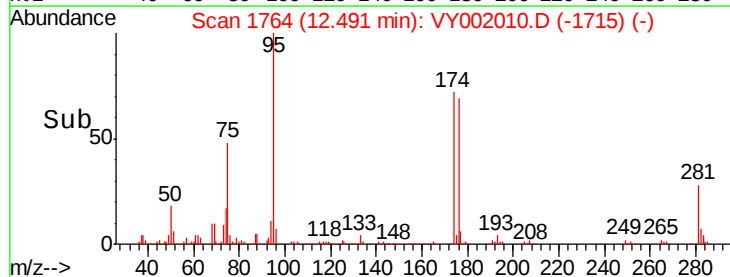
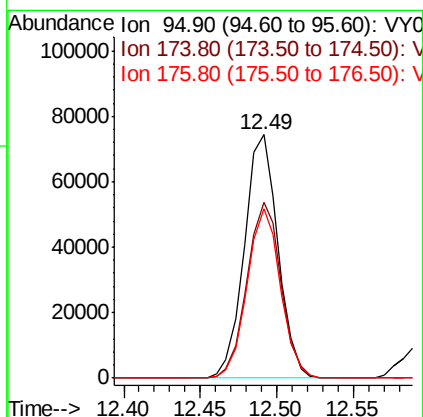
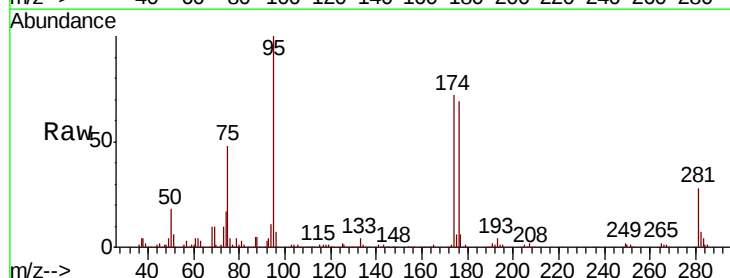
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

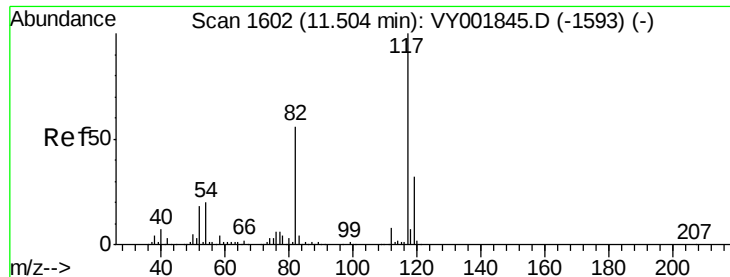
Tot Ion: 107 Resp: 76122
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 51.947 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

Tgt Ion: 95 Resp: 113231
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 145.0
 176 69.2 0.0 137.4

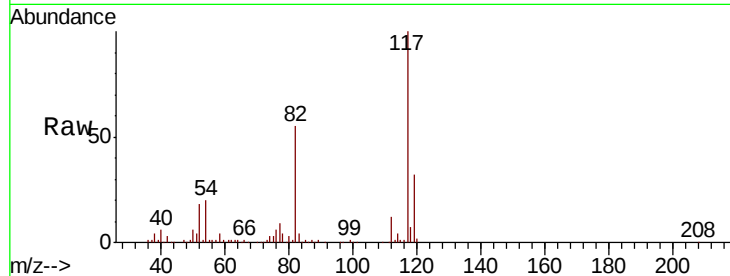




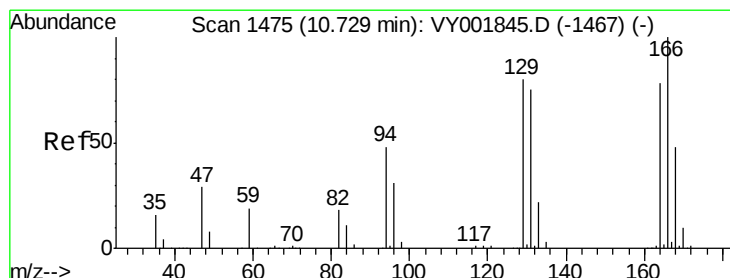
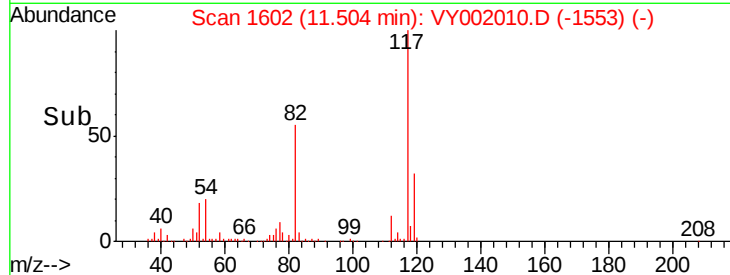
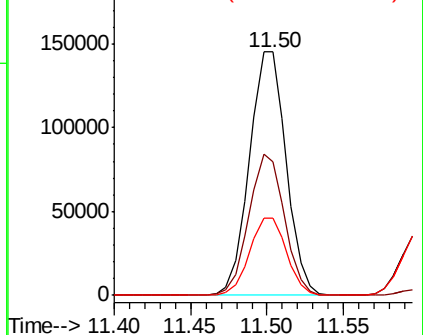
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 242963
Ion Ratio Lower Upper
117 100
82 54.9 44.5 66.7
119 31.8 25.7 38.5

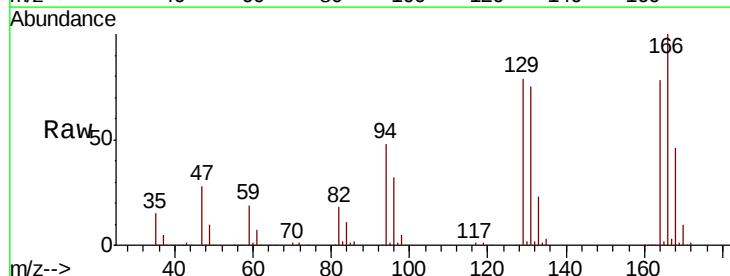


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

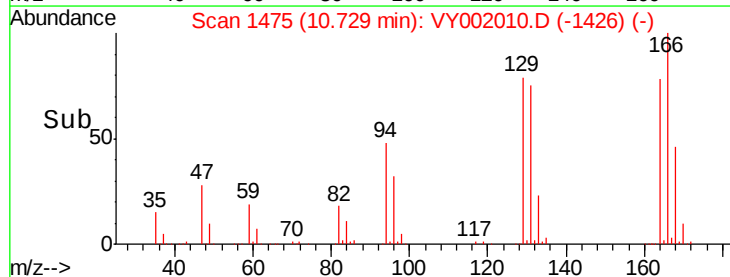
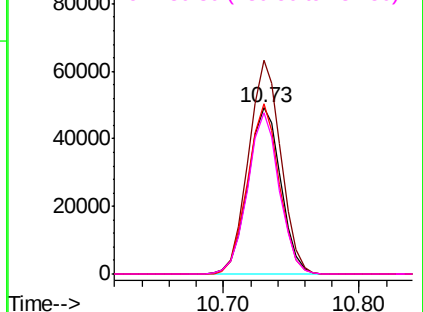


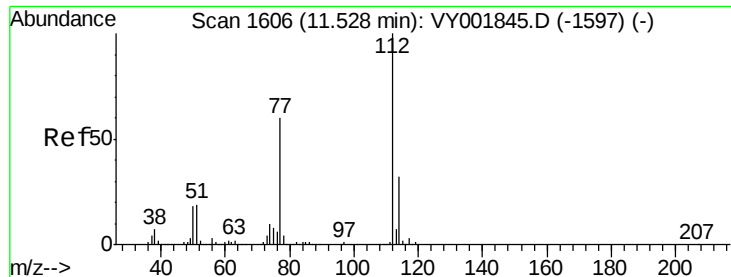
#64
Tetrachloroethene
Concen: 54.727 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion:164 Resp: 83386
Ion Ratio Lower Upper
164 100
166 128.4 102.6 154.0
129 102.1 82.3 123.5
131 96.8 77.4 116.0



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

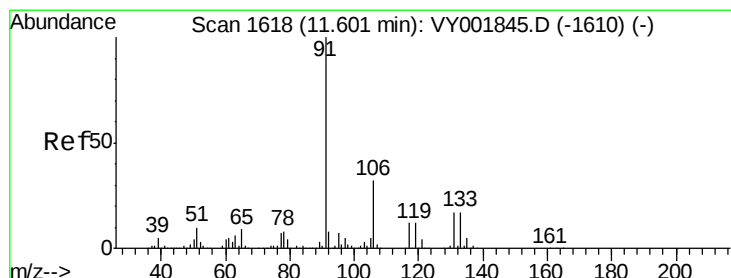
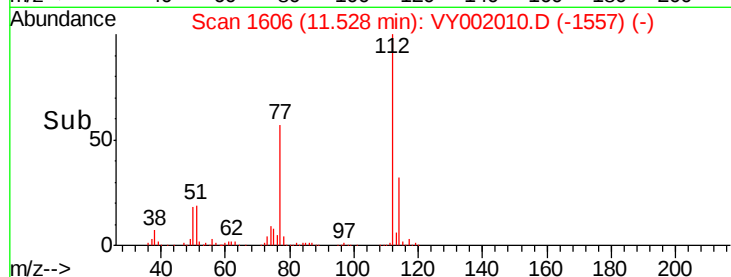
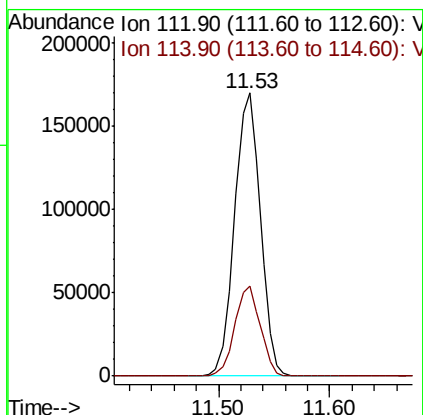
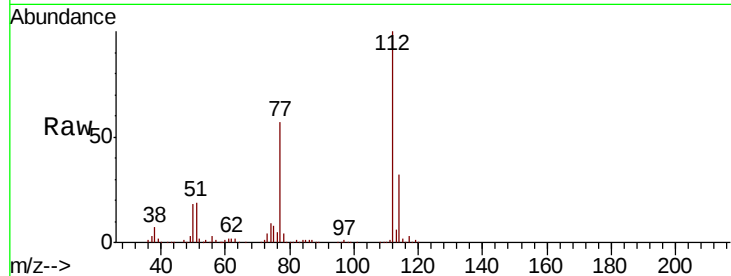




#65
Chlorobenzene
Concen: 56.328 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

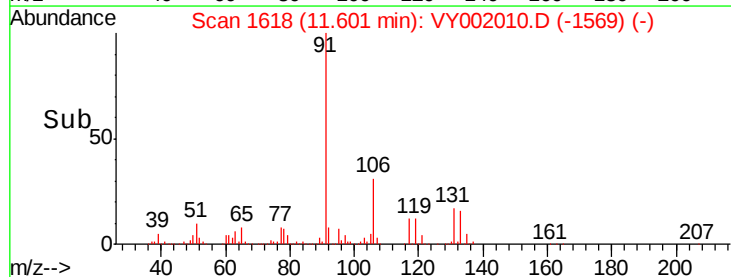
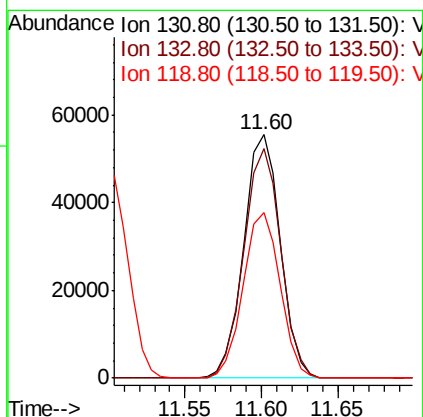
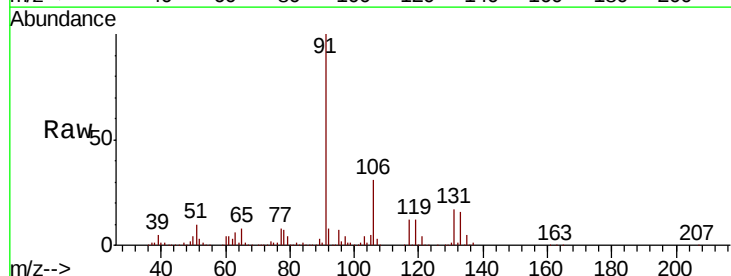
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

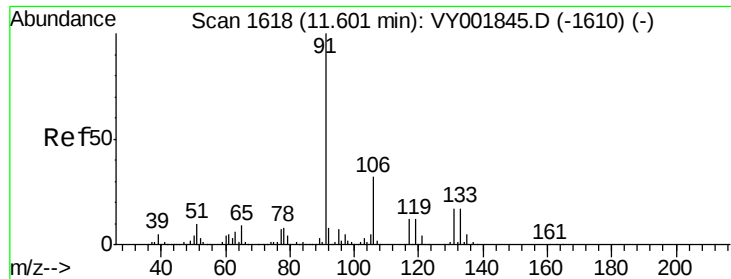
Tot Ion:112 Resp: 272693
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 58.120 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion:131 Resp: 92269
Ion Ratio Lower Upper
131 100
133 95.4 47.1 141.3
119 68.9 34.5 103.6

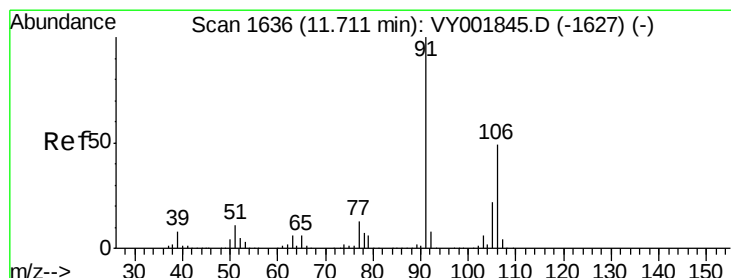
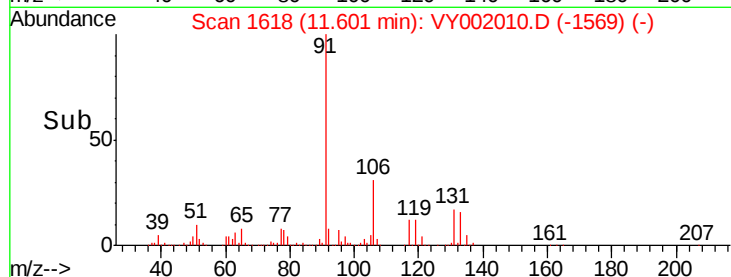
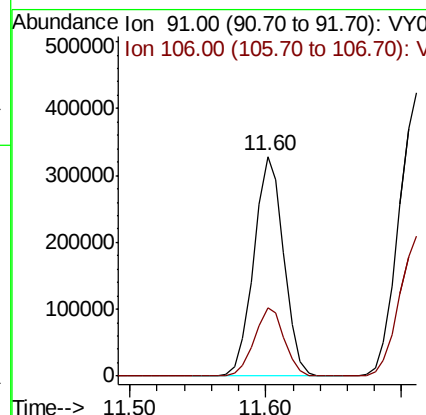
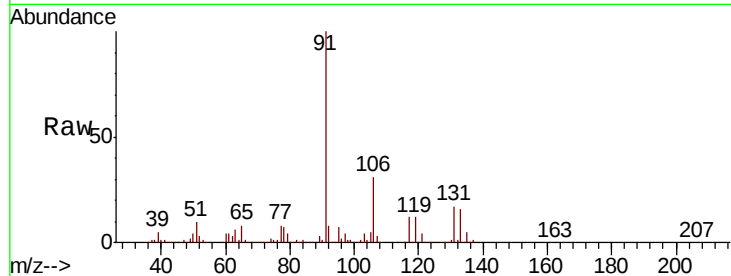




#67
Ethyl Benzene
Concen: 56.091 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

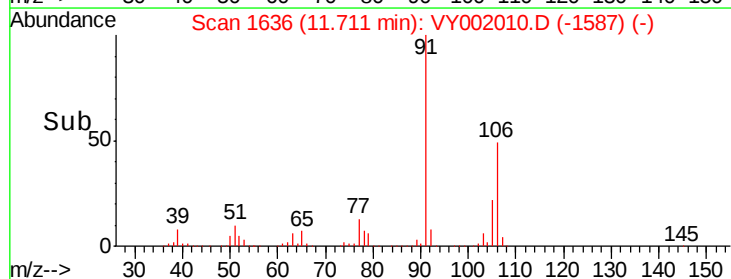
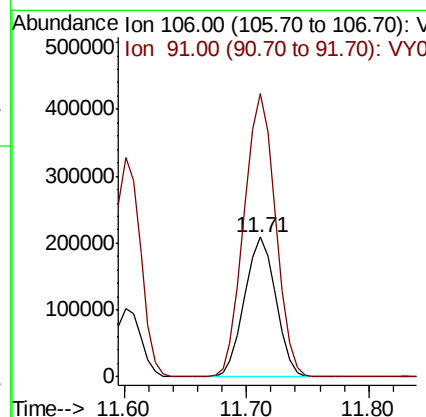
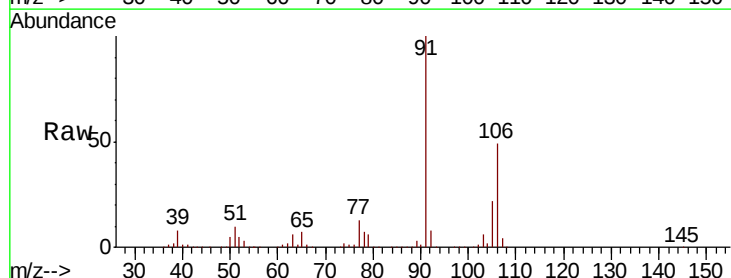
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

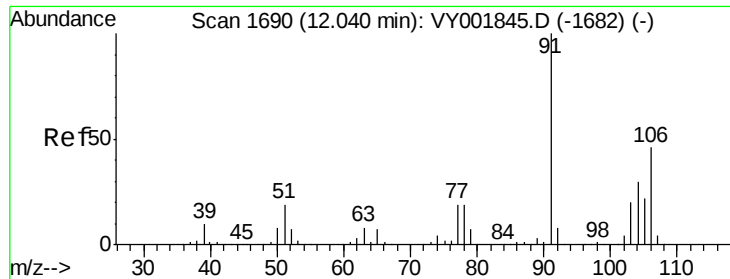
Tot Ion: 91 Resp: 506430
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2



#68
m/p-Xylenes
Concen: 111.704 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 106 Resp: 372869
Ion Ratio Lower Upper
106 100
91 202.9 161.3 241.9

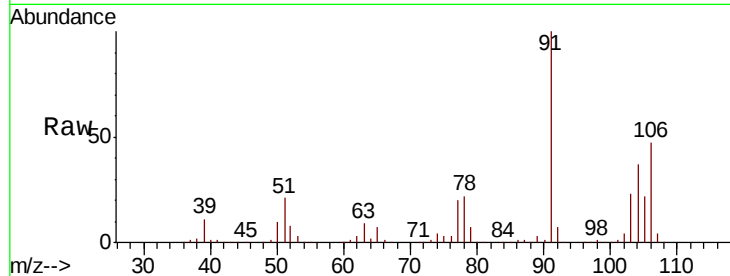




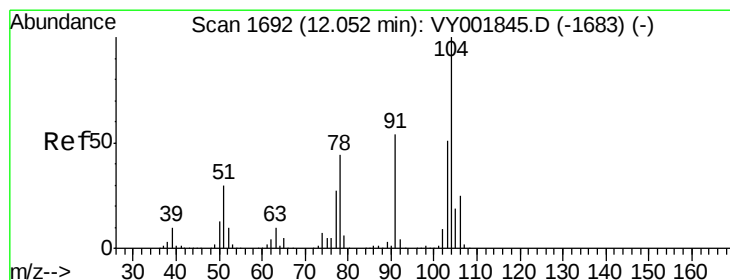
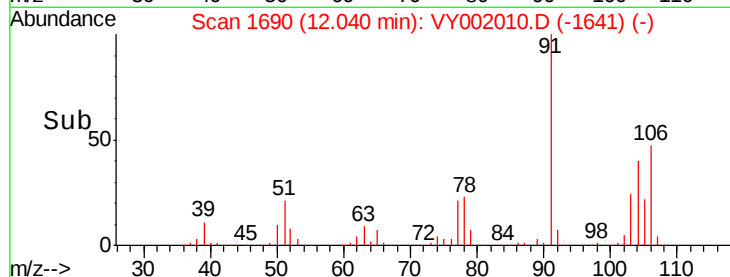
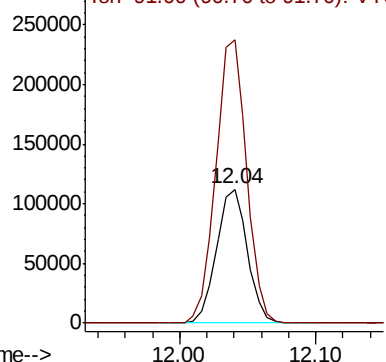
#69
o-Xylene
Concen: 56.396 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 177431
Ion Ratio Lower Upper
106 100
91 211.4 106.8 320.4

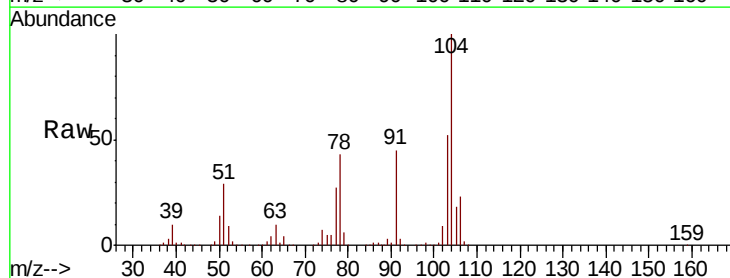


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

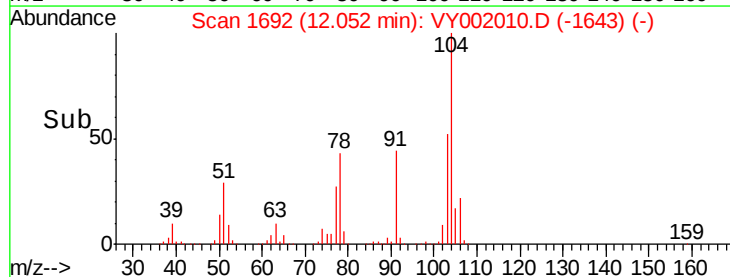
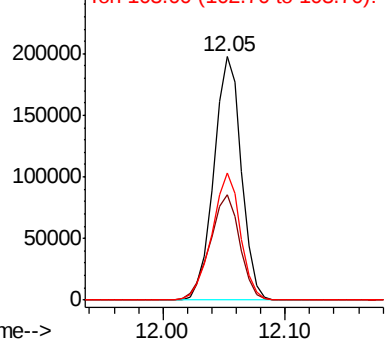


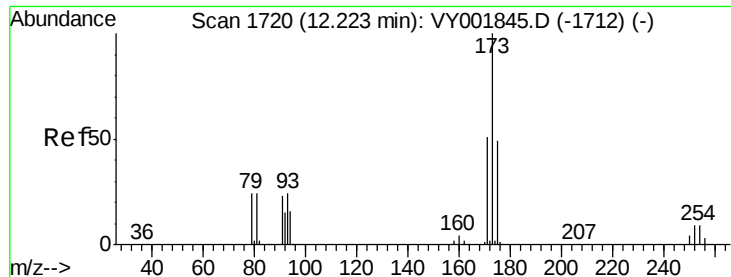
#70
Styrene
Concen: 57.155 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion:104 Resp: 307978
Ion Ratio Lower Upper
104 100
78 47.1 38.5 57.7
103 54.1 42.9 64.3



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





#71

Bromoform

Concen: 57.374 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

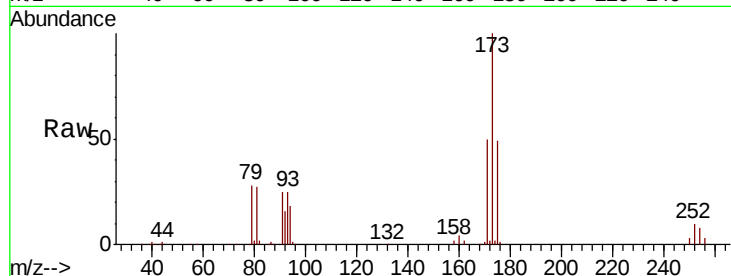
Tot Ion:173 Resp: 49397

Ion Ratio Lower Upper

173 100

175 49.6 24.3 72.8

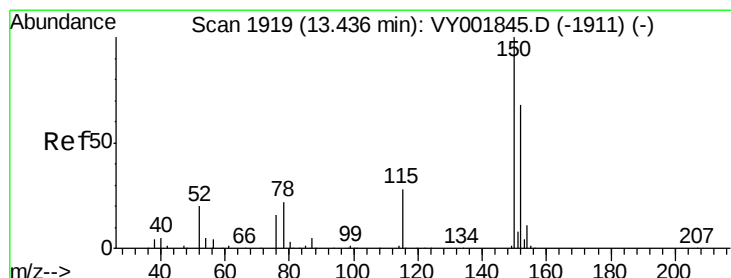
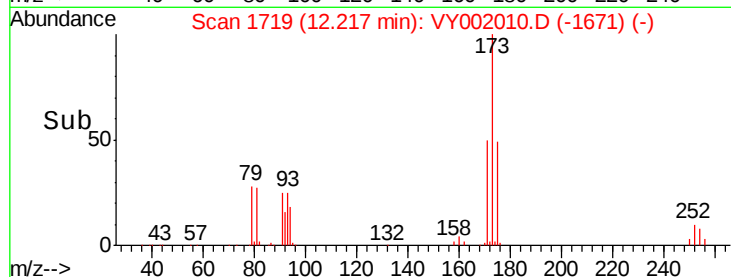
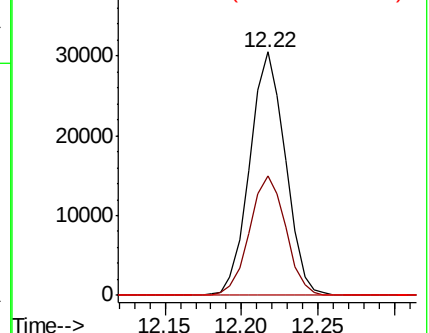
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

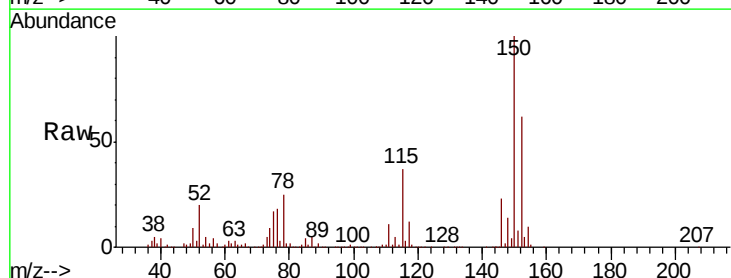
Tgt Ion:152 Resp: 110656

Ion Ratio Lower Upper

152 100

115 61.2 29.9 89.7

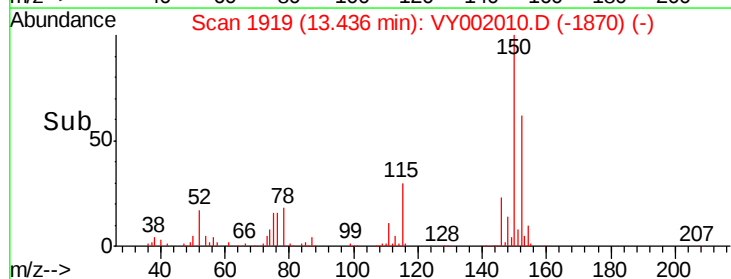
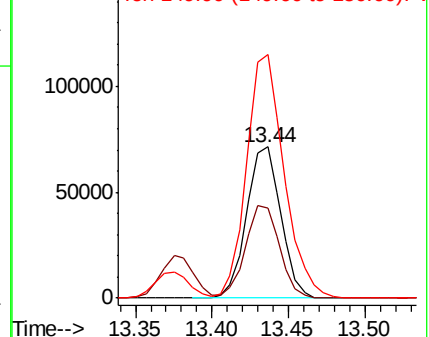
150 176.7 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

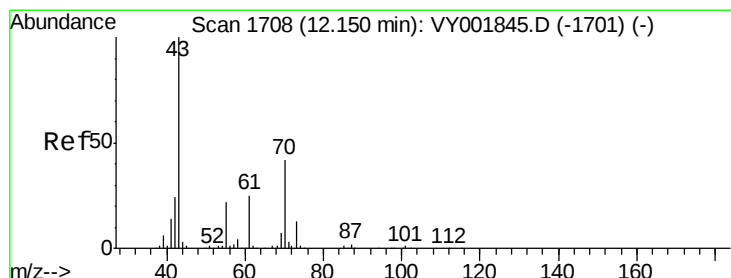
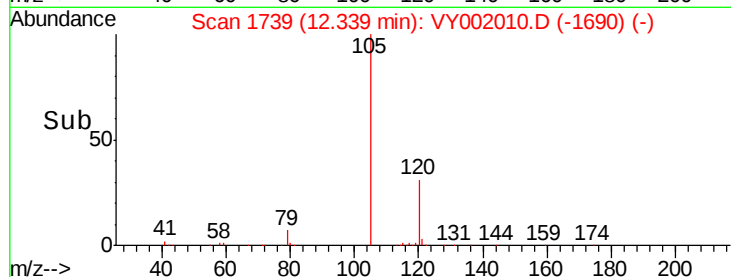
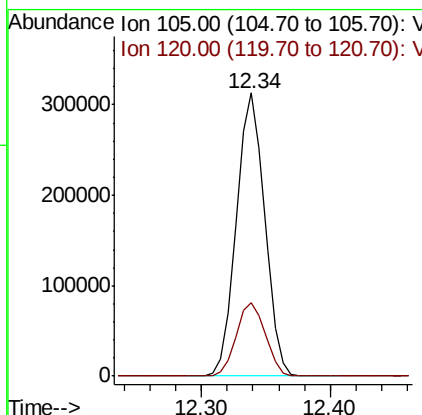
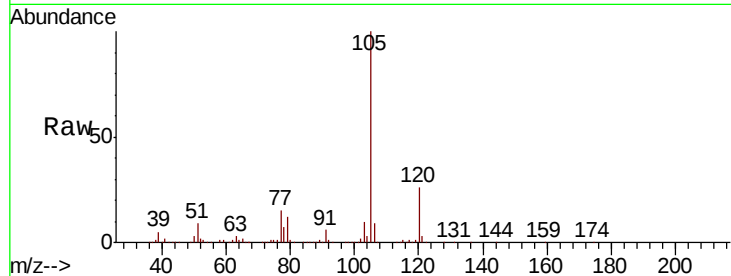




#73
Isopropylbenzene
Concen: 56.536 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

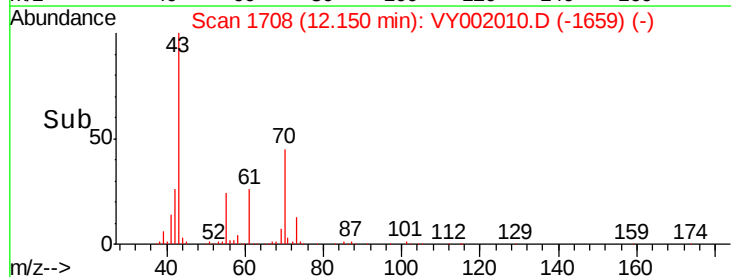
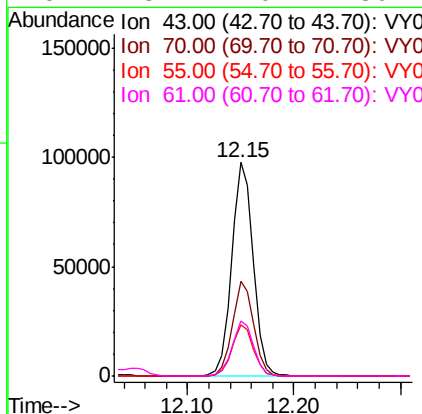
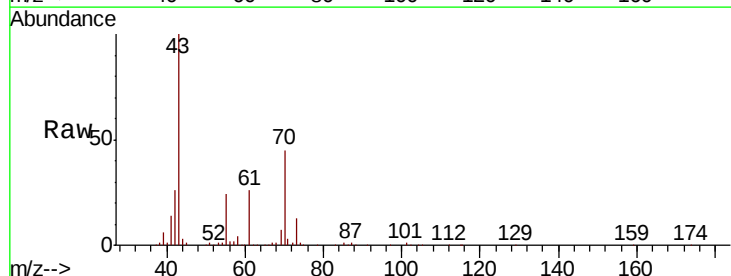
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

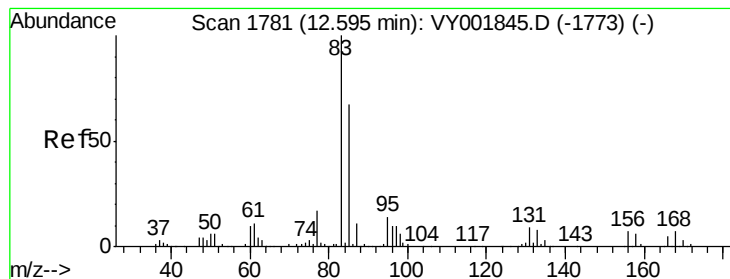
Tot Ion:105 Resp: 477572
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.3



#74
N-ethyl acetate
Concen: 53.198 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion: 43 Resp: 138110
Ion Ratio Lower Upper
43 100
70 44.0 34.7 52.1
55 23.7 18.2 27.4
61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.508 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

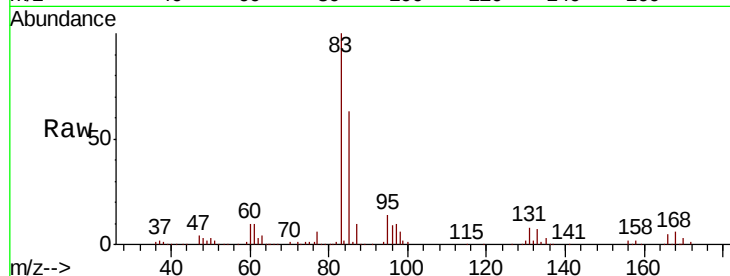
Tot Ion: 83 Resp: 99293

Ion Ratio Lower Upper

83 100

131 9.0 4.6 13.8

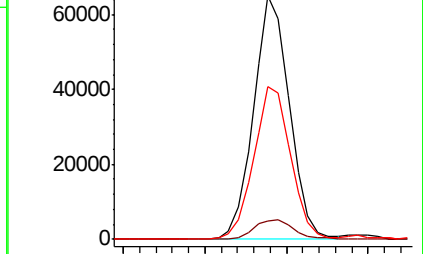
85 64.8 32.1 96.3



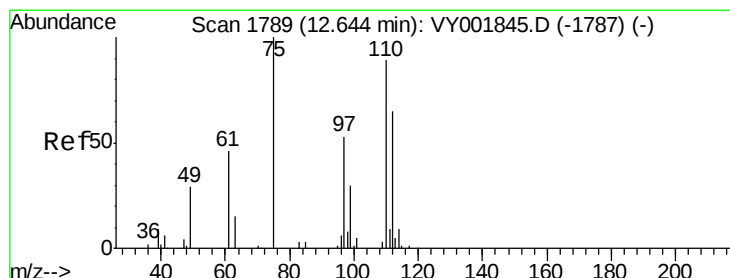
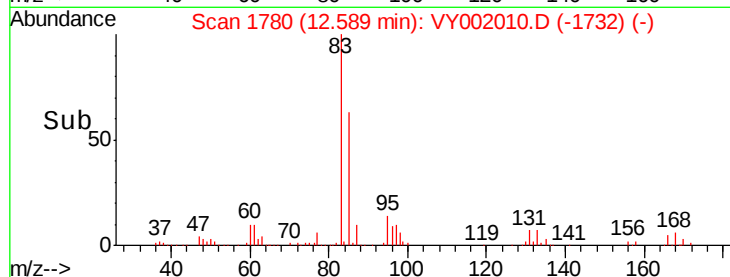
Abundance Ion 82.90 (82.60 to 83.60): VY002010.D (-1732) (-)

Ion 130.80 (130.50 to 131.50): VY002010.D (-1732) (-)

Ion 84.90 (84.60 to 85.60): VY002010.D (-1732) (-)



Time--> 12.50 12.55 12.60 12.65



#76

1,2,3-Trichloropropane

Concen: 97.443 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY002010.D

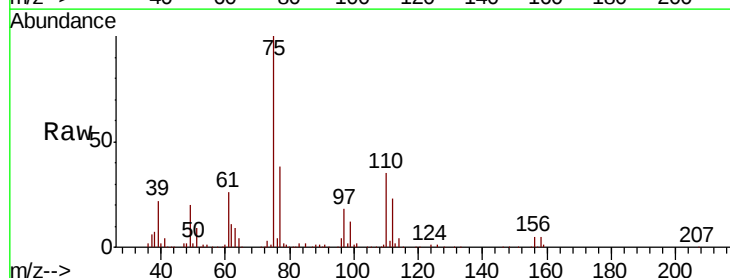
Acq: 18 Mar 2020 17:19

Tgt Ion: 75 Resp: 127943

Ion Ratio Lower Upper

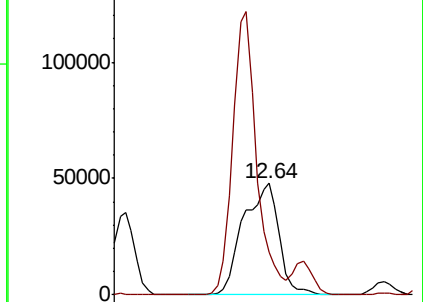
75 100

77 0.0 0.0 0.0

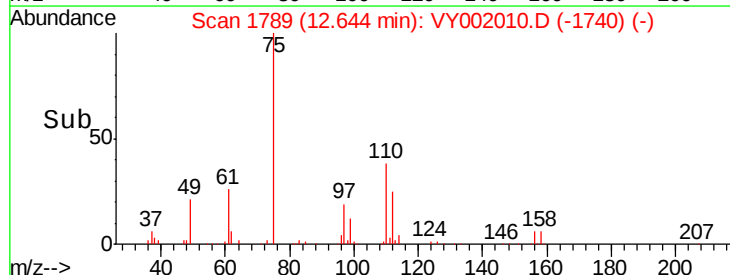


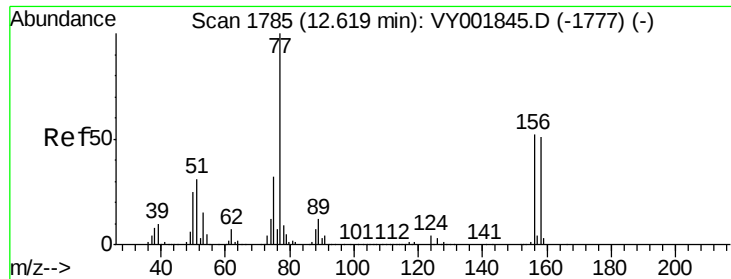
Abundance Ion 74.90 (74.60 to 75.60): VY002010.D (-1740) (-)

Ion 77.00 (76.70 to 77.70): VY002010.D (-1740) (-)



Time--> 12.50 12.60 12.70





#77

Bromobenzene

Concen: 56.230 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

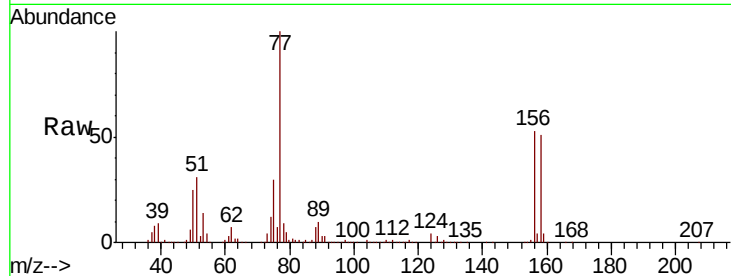
Tot Ion:156 Resp: 100634

Ion Ratio Lower Upper

156 100

77 214.5 109.0 327.0

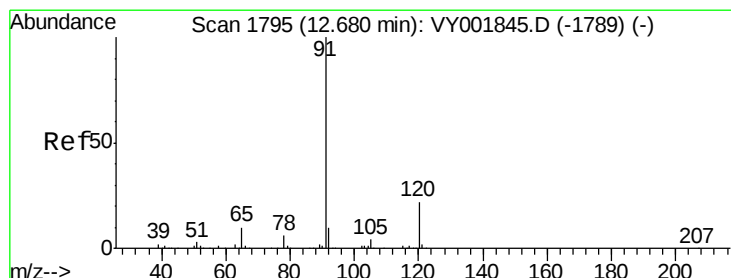
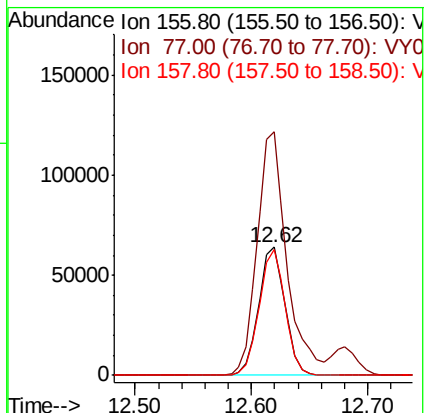
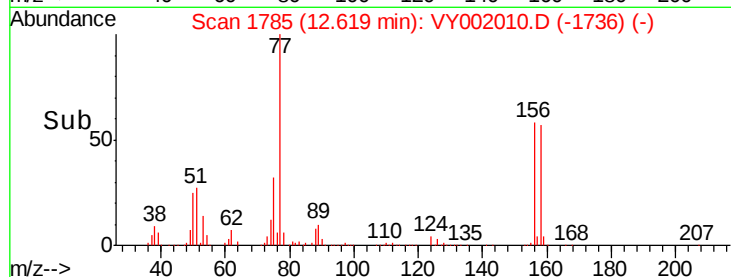
158 97.0 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.331 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002010.D

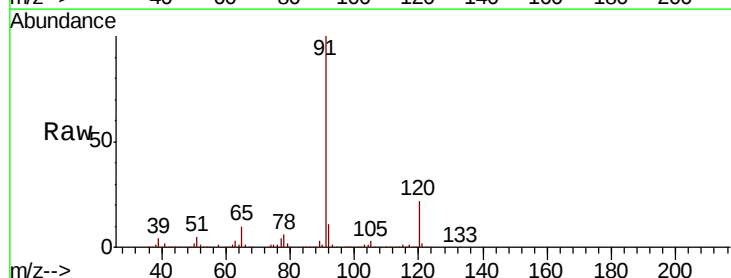
Acq: 18 Mar 2020 17:19

Tgt Ion: 91 Resp: 587051

Ion Ratio Lower Upper

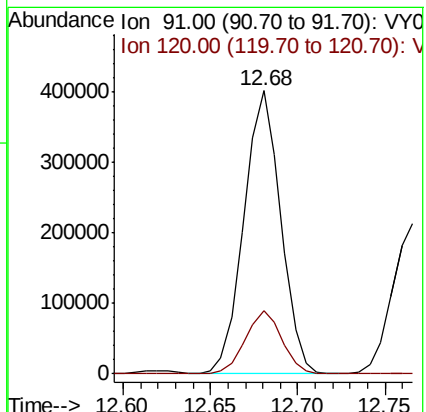
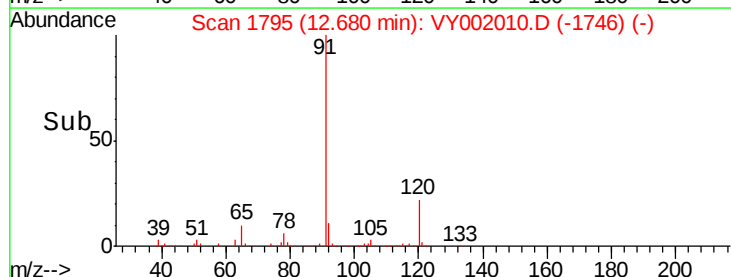
91 100

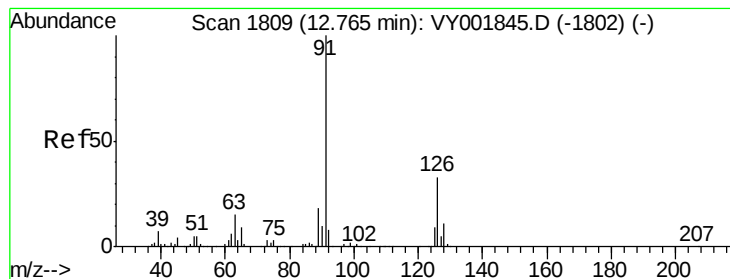
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.216 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

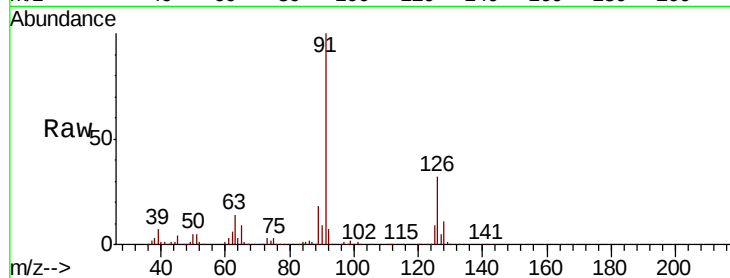
VSTDCCC050EC

Tot Ion: 91 Resp: 323673

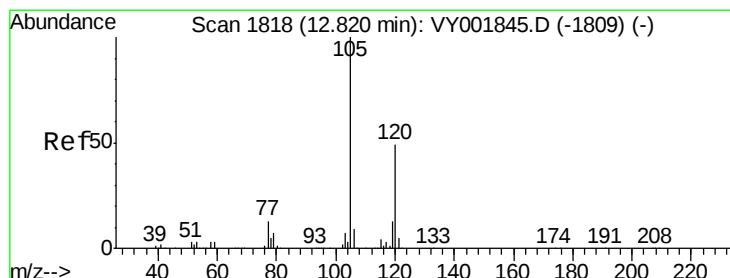
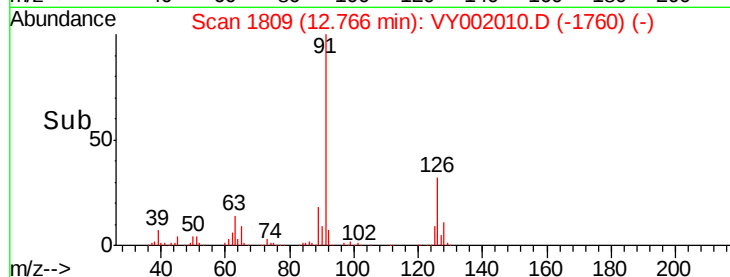
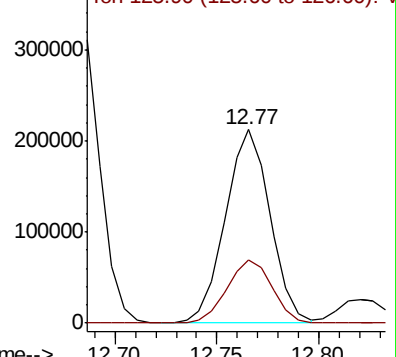
Ion Ratio Lower Upper

91 100

126 33.1 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.805 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY002010.D

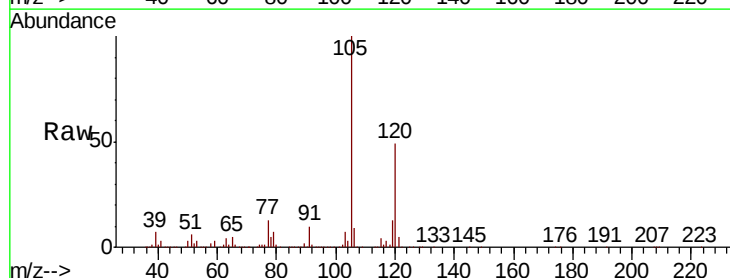
Acq: 18 Mar 2020 17:19

Tgt Ion: 105 Resp: 395029

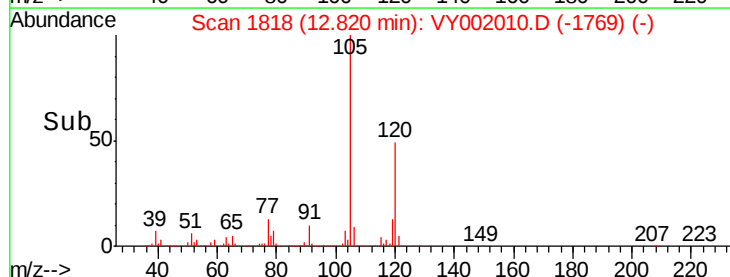
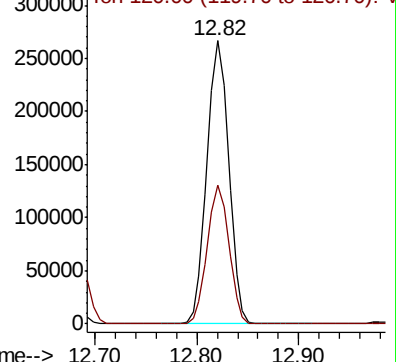
Ion Ratio Lower Upper

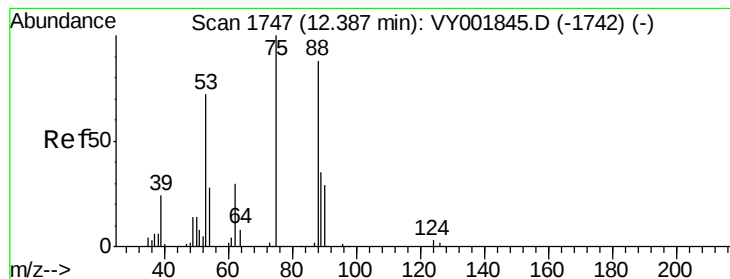
105 100

120 48.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.100 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

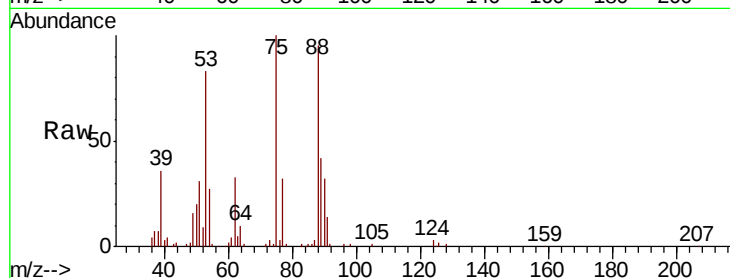
Tot Ion: 75 Resp: 35816

Ion Ratio Lower Upper

75 100

53 81.6 65.4 98.0

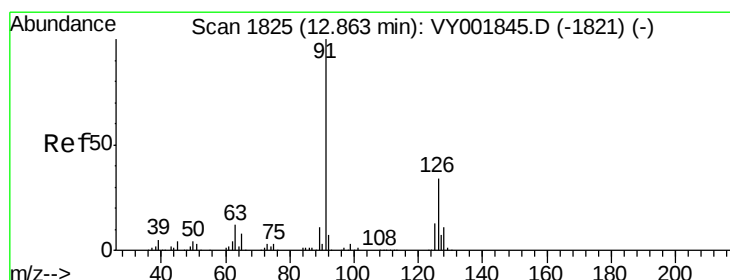
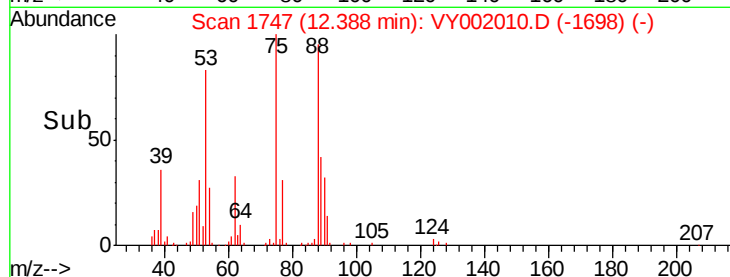
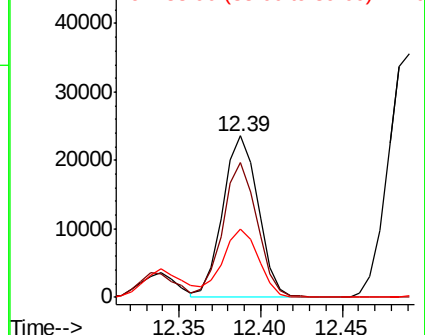
89 42.7 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 56.635 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY002010.D

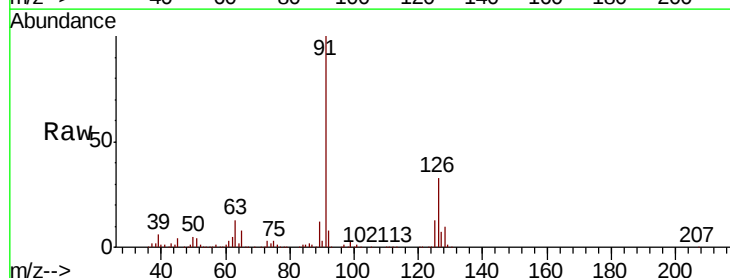
Acq: 18 Mar 2020 17:19

Tgt Ion: 91 Resp: 339514

Ion Ratio Lower Upper

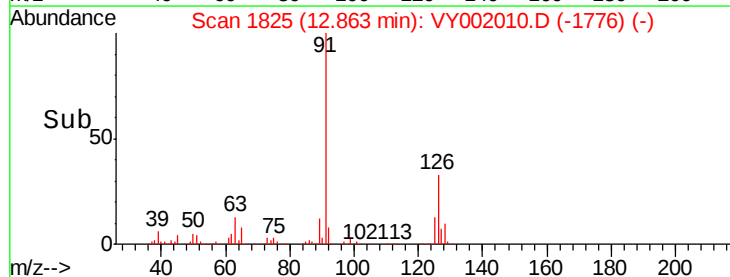
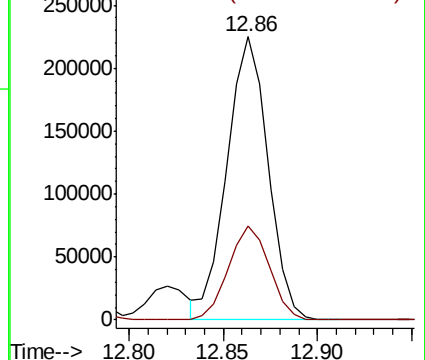
91 100

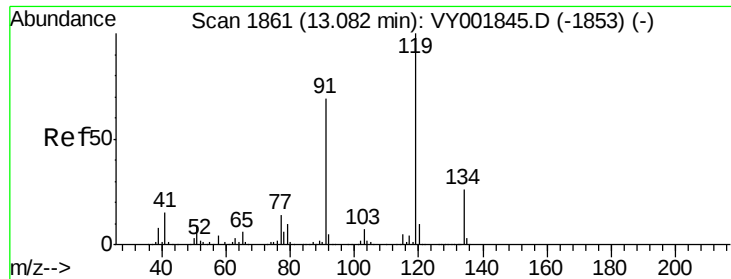
126 33.3 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

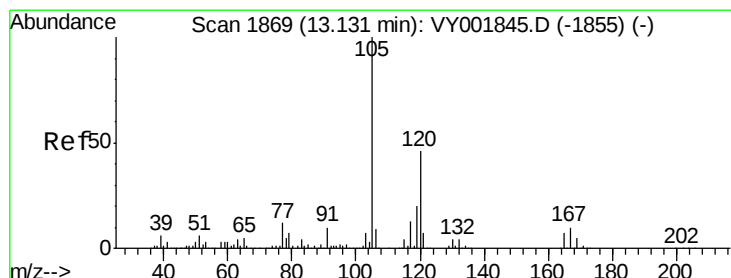
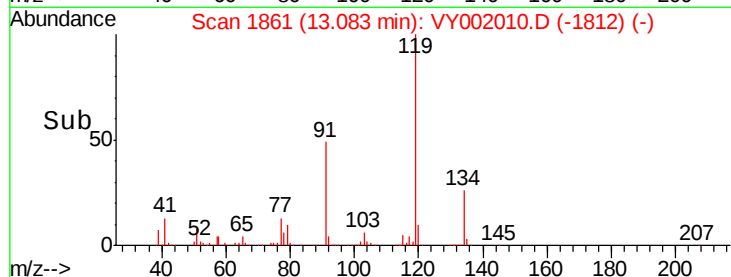
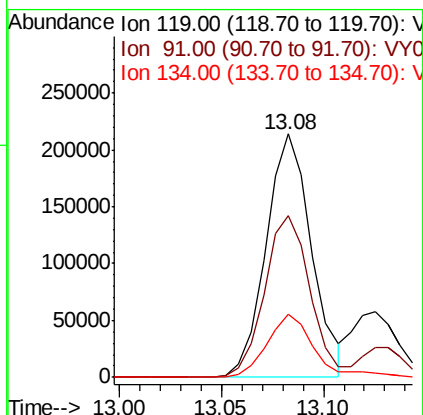
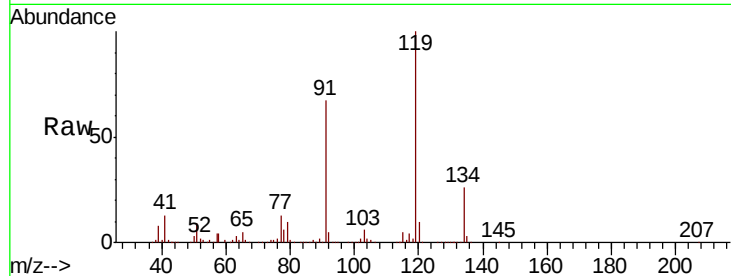




#83
tert-Butylbenzene
Concen: 57.410 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

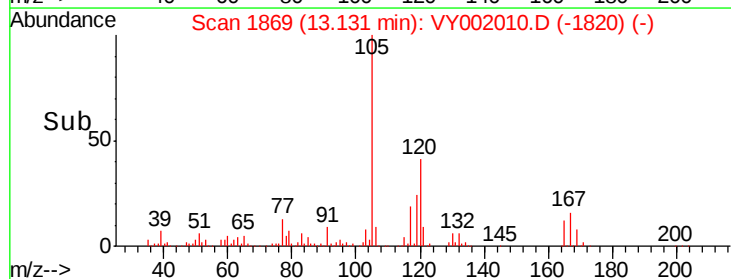
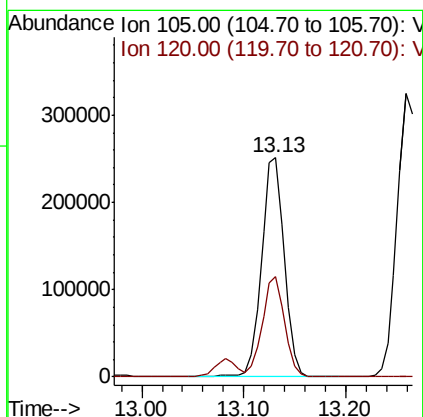
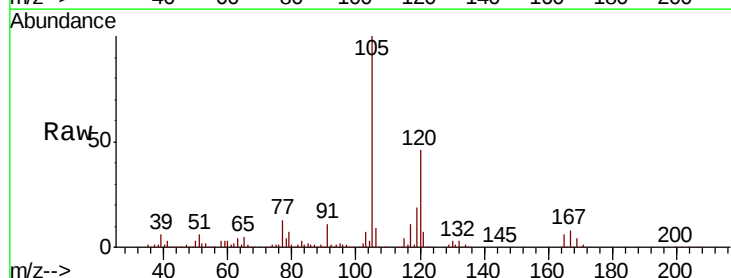
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

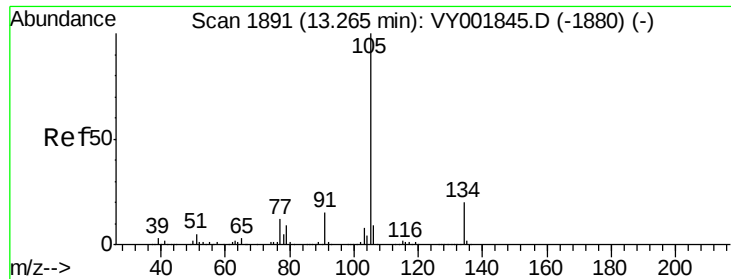
Tot Ion:119 Resp: 331594
Ion Ratio Lower Upper
119 100
91 67.1 34.0 101.8
134 26.9 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 56.587 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion:105 Resp: 390524
Ion Ratio Lower Upper
105 100
120 44.6 22.6 67.7





#85

sec-Butylbenzene

Concen: 57.224 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

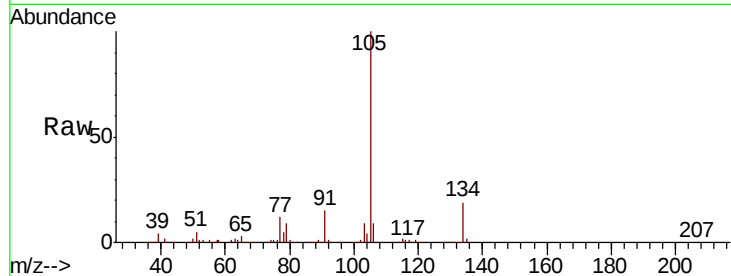
VSTDCCC050EC

Tot Ion:105 Resp: 487182

Ion Ratio Lower Upper

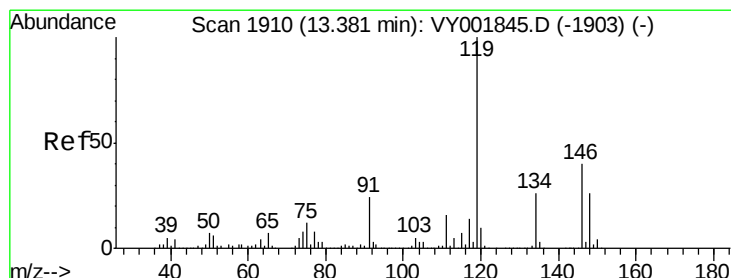
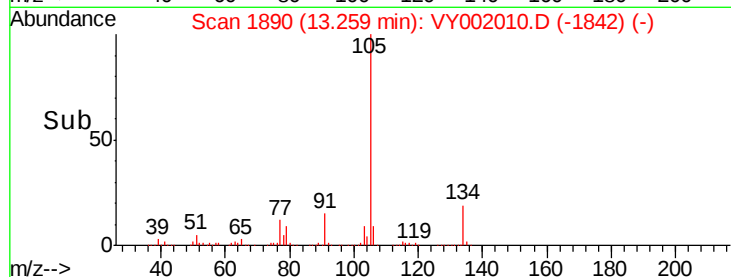
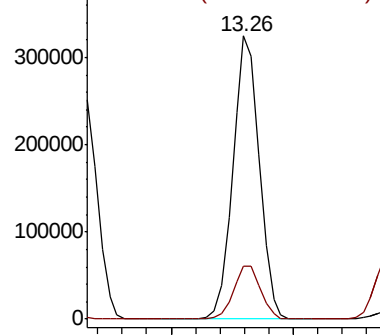
105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.629 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

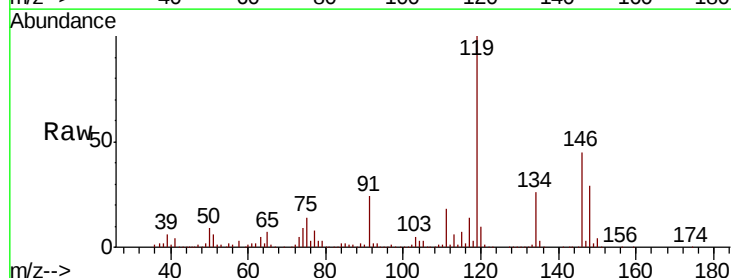
Tgt Ion:119 Resp: 415891

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

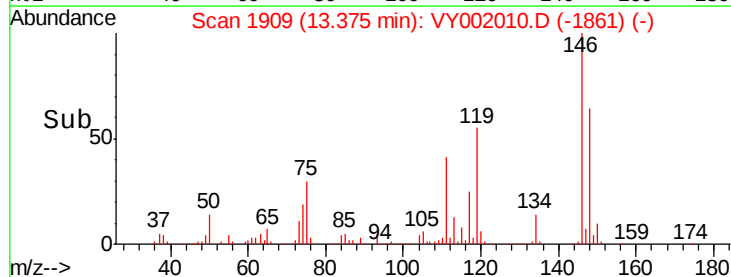
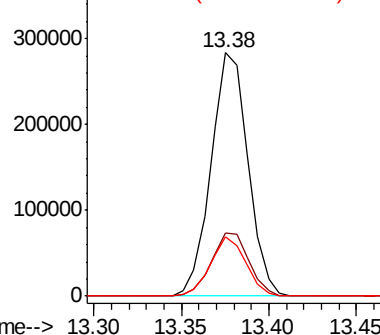
91 23.4 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

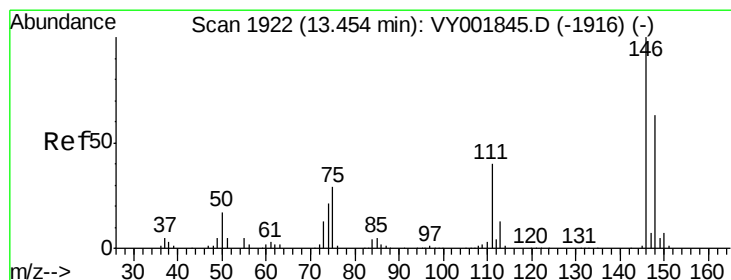
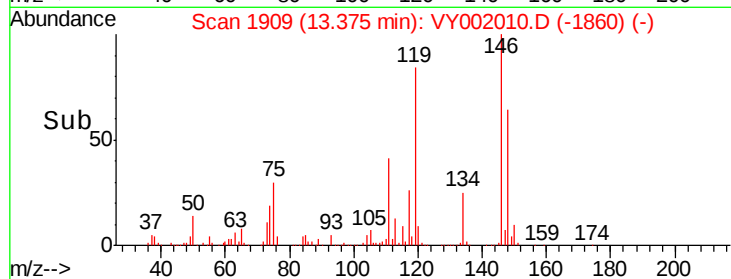
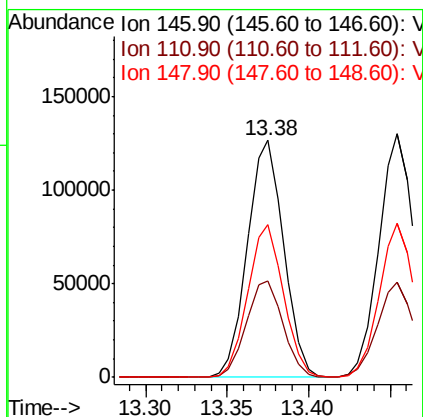
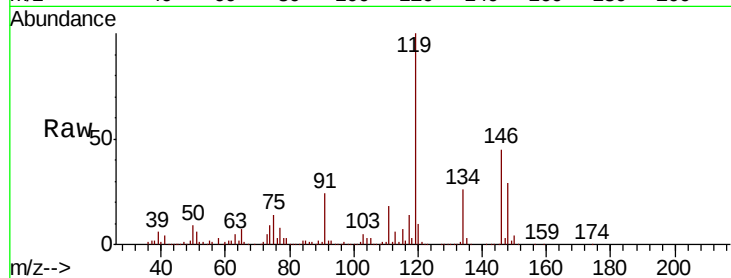




#87
 1,3-Dichlorobenzene
 Concen: 55.916 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

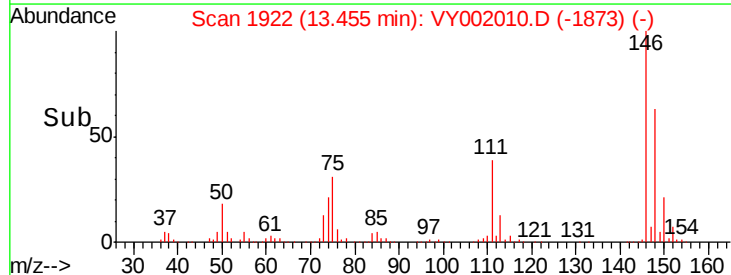
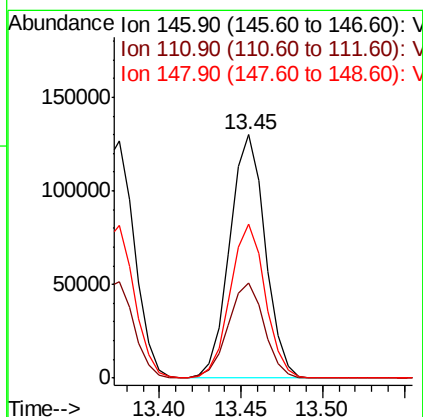
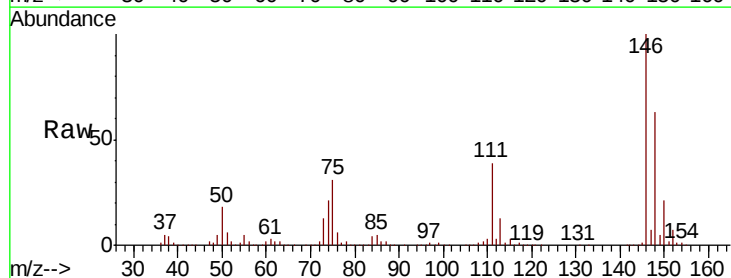
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

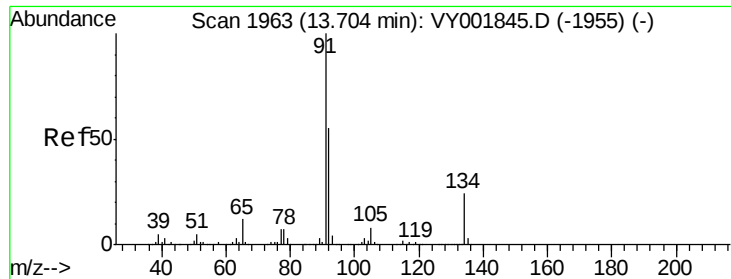
Tot Ion:146 Resp: 196103
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.8 62.5
 148 63.4 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 55.266 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002010.D
 Acq: 18 Mar 2020 17:19

Tgt Ion:146 Resp: 196630
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 62.6 31.5 94.5





#89

n-Butylbenzene

Concen: 55.137 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

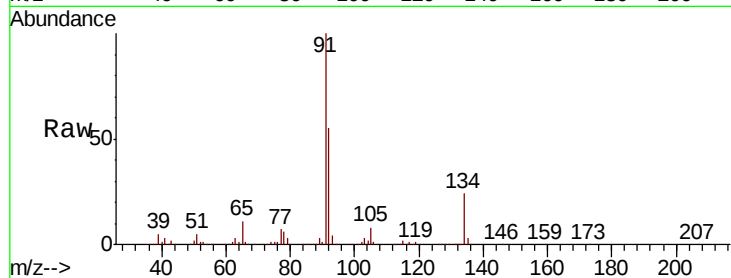
Tot Ion: 91 Resp: 420117

Ion Ratio Lower Upper

91 100

92 54.3 27.5 82.4

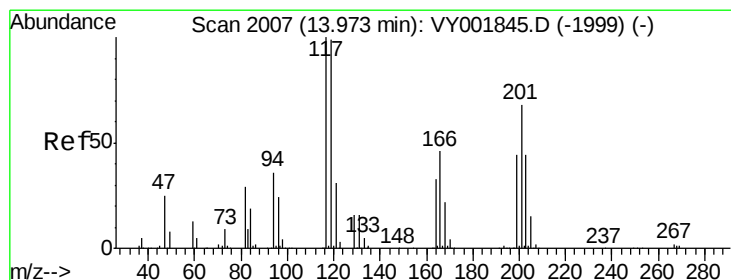
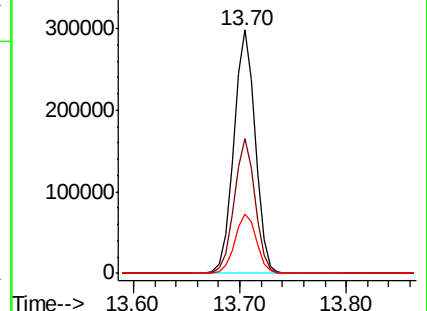
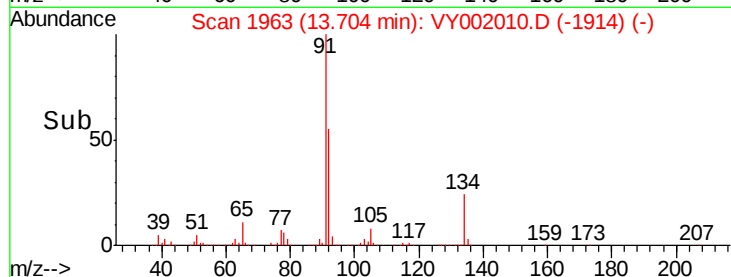
134 24.5 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VY002010.D (-1914) (-)

Ion 92.00 (91.70 to 92.70): VY002010.D (-1914) (-)

Ion 134.00 (133.70 to 134.70): VY002010.D (-1914) (-)



#90

Hexachloroethane

Concen: 58.082 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.01 min

Lab File: VY002010.D

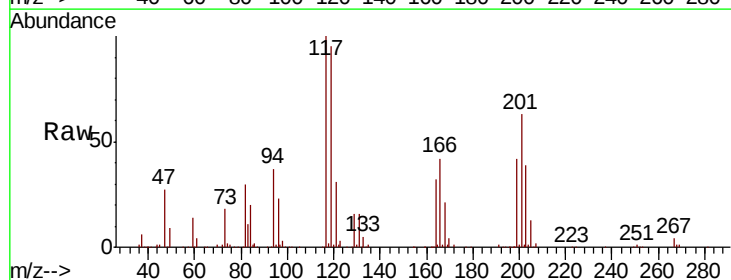
Acq: 18 Mar 2020 17:19

Tgt Ion: 117 Resp: 80471

Ion Ratio Lower Upper

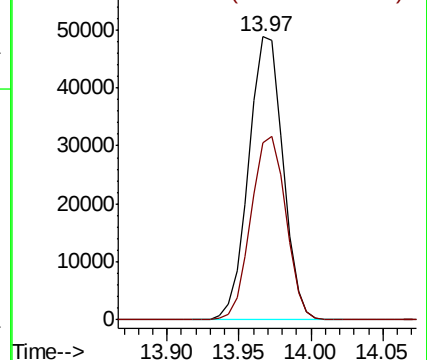
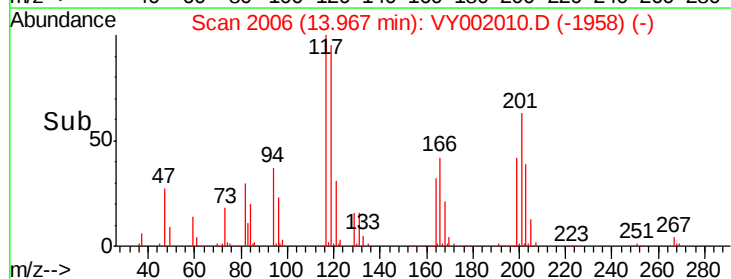
117 100

201 65.8 32.5 97.5



Abundance Ion 116.80 (116.50 to 117.50): VY002010.D (-1958) (-)

Ion 200.70 (200.40 to 201.40): VY002010.D (-1958) (-)





#91

1,2-Dichlorobenzene

Concen: 55.609 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

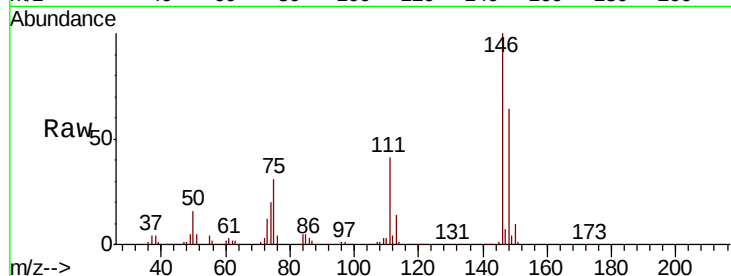
Tot Ion:146 Resp: 177179

Ion Ratio Lower Upper

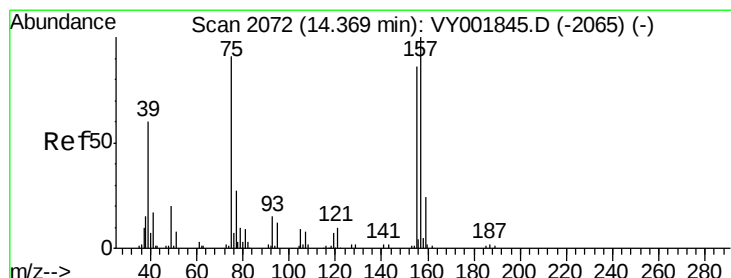
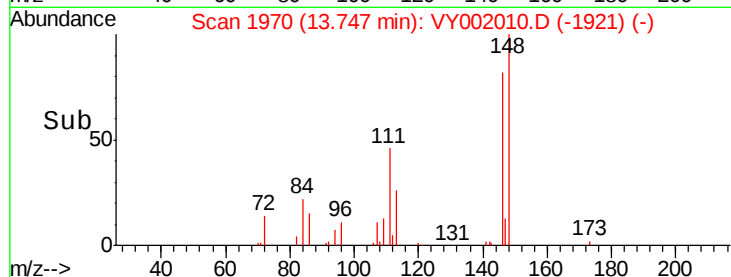
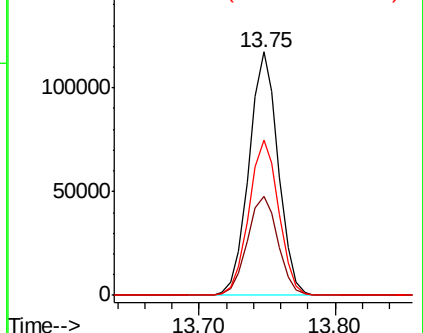
146 100

111 42.5 21.5 64.5

148 65.0 32.0 96.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.732 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

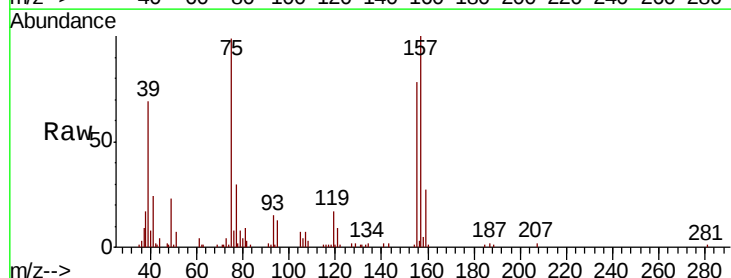
Tgt Ion: 75 Resp: 14705

Ion Ratio Lower Upper

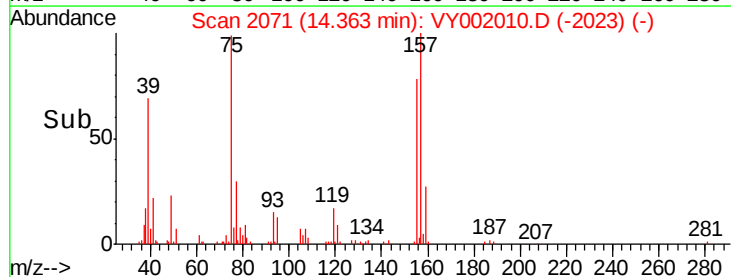
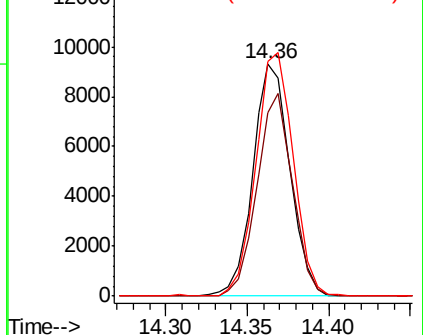
75 100

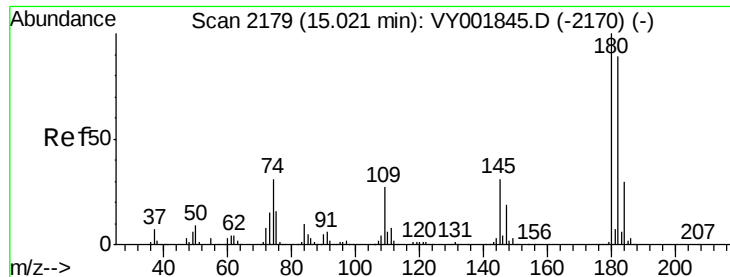
155 83.6 42.9 128.7

157 105.8 53.1 159.4



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

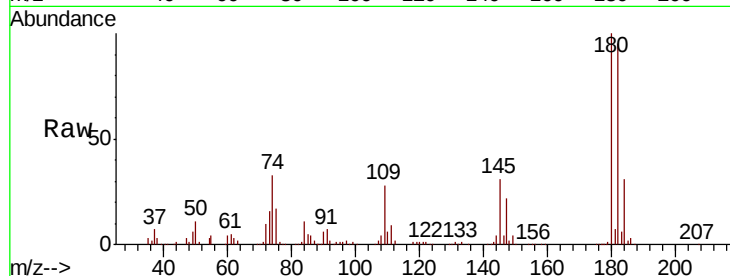




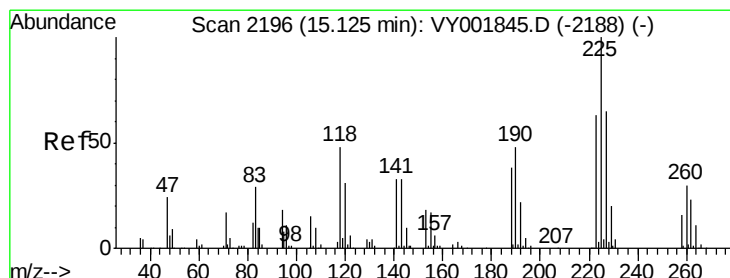
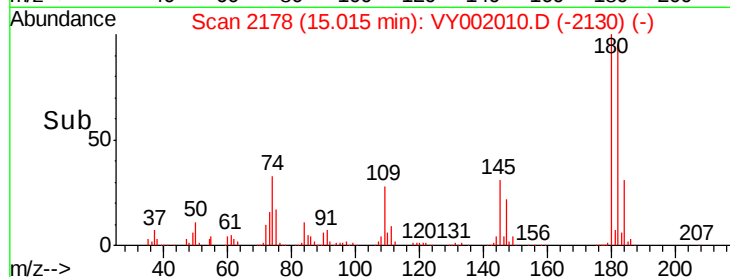
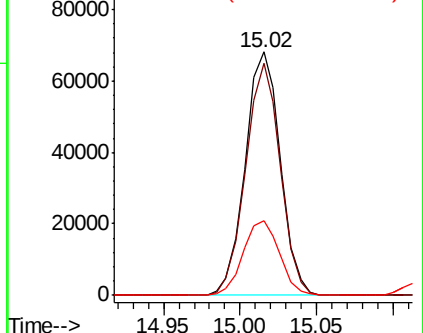
#93
1,2,4-Trichlorobenzene
Concen: 52.600 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:180 Resp: 108685
Ion Ratio Lower Upper
180 100
182 93.8 46.1 138.3
145 31.9 15.6 46.8

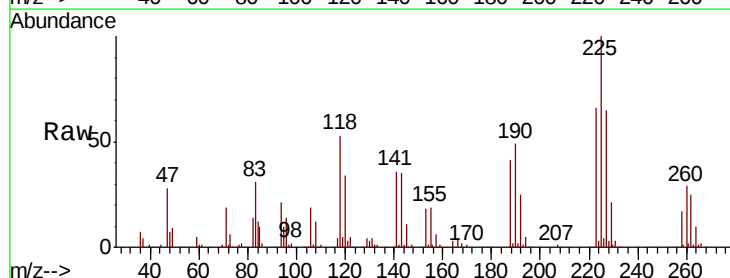


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

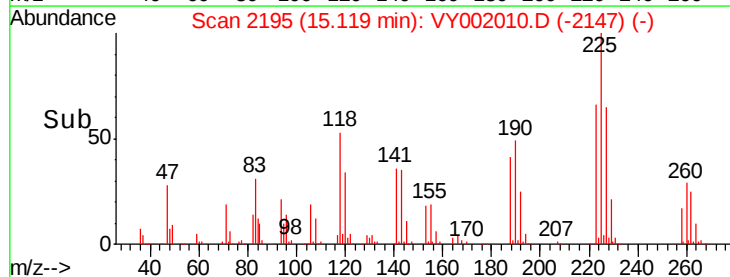
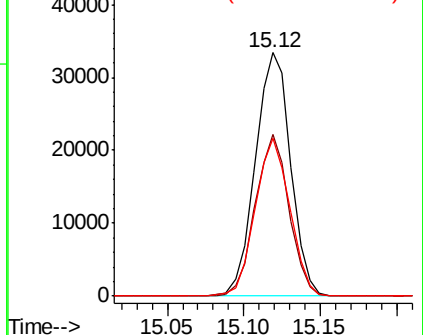


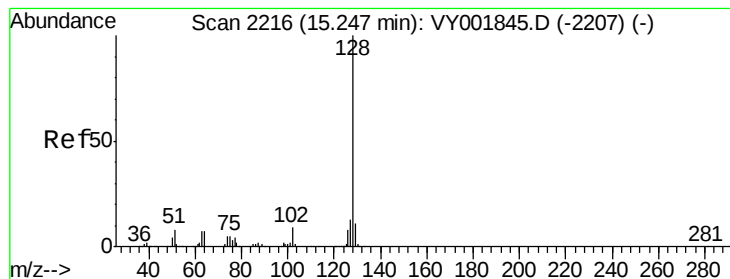
#94
Hexachlorobutadiene
Concen: 53.269 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY002010.D
Acq: 18 Mar 2020 17:19

Tgt Ion:225 Resp: 53662
Ion Ratio Lower Upper
225 100
223 63.4 31.5 94.5
227 63.5 31.9 95.5



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





#95

Naphthalene

Concen: 51.305 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

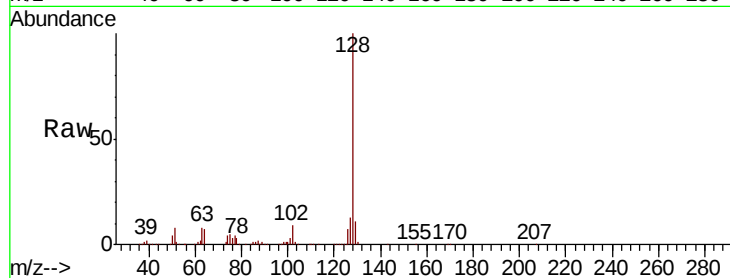
Tot Ion:128 Resp: 251450

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

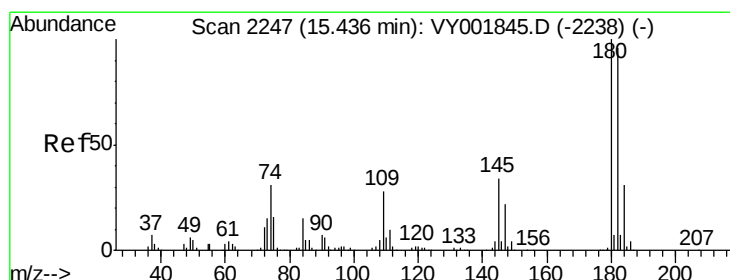
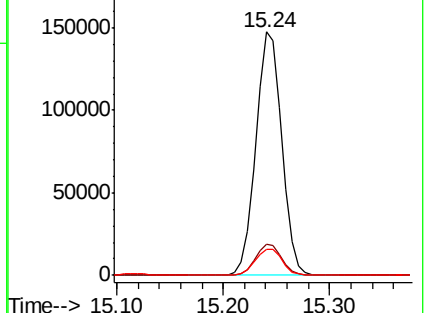
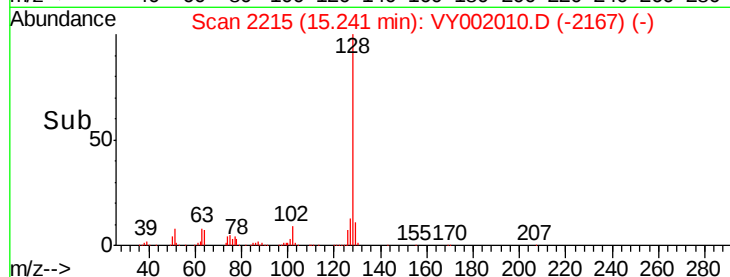
129 11.1 8.6 13.0



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: 52.072 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY002010.D

Acq: 18 Mar 2020 17:19

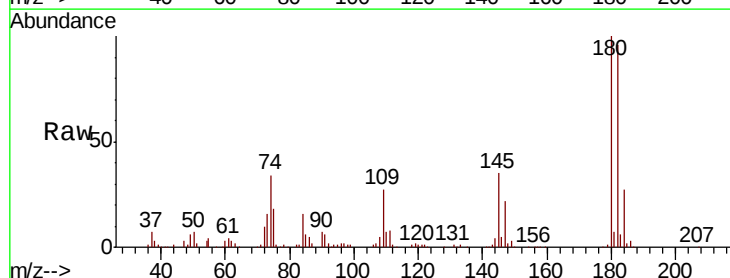
Tgt Ion:180 Resp: 94783

Ion Ratio Lower Upper

180 100

182 95.7 47.6 142.9

145 34.1 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

