

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032420\
 Data File : VY002041.D
 Acq On : 24 Mar 2020 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 24 15:17:47 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	7.80	168	168778	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	300011	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	269184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	123031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	85198	47.28	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	7.73	113	84336	51.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.19	98	337295	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.49	95	122594	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	65788	42.23	ug/l	97
3) Chloromethane	2.12	50	91196	43.42	ug/l	99
4) Vinyl Chloride	2.26	62	95614	44.75	ug/l	98
5) Bromomethane	2.66	94	61829	49.49	ug/l	94
6) Chloroethane	2.80	64	61885	46.11	ug/l	98
7) Trichlorofluoromethane	3.14	101	136520	47.12	ug/l	93
8) Diethyl Ether	3.54	74	53331	46.70	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	92056	49.40	ug/l	99
10) Methyl Iodide	4.11	142	109718	50.91	ug/l	99
11) Tert butyl alcohol	4.97	59	34522	177.57	ug/l	97
12) 1,1-Dichloroethene	3.88	96	91925	48.99	ug/l	96
13) Acrolein	3.74	56	49168	194.19	ug/l	97
14) Allyl chloride	4.50	41	163374	49.11	ug/l	100
15) Acrylonitrile	5.18	53	136577	223.80	ug/l	99
16) Acetone	3.96	43	152795	291.15	ug/l	99
17) Carbon Disulfide	4.21	76	269563	42.73	ug/l	99
18) Methyl Acetate	4.49	43	57862	42.91	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	241344	47.46	ug/l	98
20) Methylene Chloride	4.73	84	102639	45.63	ug/l	97
21) trans-1,2-Dichloroethene	5.24	96	101962	47.87	ug/l	96
22) Diisopropyl ether	6.13	45	330202	48.42	ug/l	97
23) Vinyl Acetate	6.08	43	1032042	230.86	ug/l	98
24) 1,1-Dichloroethane	6.04	63	181363	49.11	ug/l	99
25) 2-Butanone	7.00	43	196137	245.76	ug/l	97
26) 2,2-Dichloropropane	7.00	77	152973	50.47	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	113562	49.02	ug/l	100
28) Bromochloromethane	7.35	49	80695	48.48	ug/l	99
29) Tetrahydrofuran	7.36	42	111667	210.70	ug/l	99
30) Chloroform	7.52	83	172463	49.71	ug/l	98
31) Cyclohexane	7.79	56	176389	44.55	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	147762	50.53	ug/l	99
36) 1,1-Dichloropropene	7.92	75	142196	49.25	ug/l	99
37) Ethyl Acetate	7.09	43	73458	43.78	ug/l	99
38) Carbon Tetrachloride	7.91	117	126357	51.23	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	187675	49.01	ug/l	99
40) Benzene	8.17	78	422495	49.37	ug/l	99
41) Methacrylonitrile	7.36	41	99064	131.19	ug/l #	22
42) 1,2-Dichloroethane	8.25	62	107492	48.75	ug/l	99
43) Isopropyl Acetate	8.28	43	144664	45.54	ug/l	98
44) Trichloroethene	8.95	130	103521	49.67	ug/l	99
45) 1,2-Dichloropropane	9.22	63	109554	50.93	ug/l	99
46) Dibromomethane	9.31	93	54305	48.99	ug/l	97
47) Bromodichloromethane	9.50	83	134363	52.11	ug/l	99
48) Methyl methacrylate	9.30	41	67428	47.83	ug/l	100
49) 1,4-Dioxane	9.31	88	13031	857.90	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	366468	223.96	ug/l	100
52) Toluene	10.25	92	261689	50.34	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	143903	51.22	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	169409	50.65	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	79511	49.01	ug/l	99
56) Ethyl methacrylate	10.52	69	114379	48.10	ug/l	99
57) 1,3-Dichloropropane	10.80	76	140695	48.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	180950	212.91	ug/l	100
59) 2-Hexanone	10.84	43	287627	246.28	ug/l	100
60) Dibromochloromethane	10.99	129	87830	51.38	ug/l	100
61) 1,2-Dibromoethane	11.10	107	73503	47.83	ug/l	99
64) Tetrachloroethene	10.73	164	84130	49.84	ug/l	92
65) Chlorobenzene	11.52	112	269771	50.30	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	90511	51.46	ug/l	98
67) Ethyl Benzene	11.60	91	503013	50.29	ug/l	100
68) m/p-Xylenes	11.71	106	372588	100.75	ug/l	100
69) o-Xylene	12.03	106	175289	50.29	ug/l	99
70) Styrene	12.05	104	305540	51.18	ug/l	100
71) Bromoform	12.22	173	47962	50.28	ug/l #	98
73) Isopropylbenzene	12.33	105	481061	51.22	ug/l	99
74) N-amyl acetate	12.15	43	134397	46.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	94370	46.59	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	122985	84.25	ug/l #	100
77) Bromobenzene	12.61	156	101608	51.06	ug/l	96
78) n-propylbenzene	12.68	91	593739	51.24	ug/l	100
79) 2-Chlorotoluene	12.77	91	327101	51.10	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	395587	51.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	34984	48.41	ug/l	97
82) 4-Chlorotoluene	12.86	91	339104	50.88	ug/l	99
83) tert-Butylbenzene	13.08	119	339346	52.84	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	394067	51.36	ug/l	100
85) sec-Butylbenzene	13.26	105	494111	52.20	ug/l	100
86) p-Isopropyltoluene	13.38	119	427448	52.35	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	196163	50.31	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	197326	49.88	ug/l	100
89) n-Butylbenzene	13.70	91	436264	51.50	ug/l	99
90) Hexachloroethane	13.97	117	83217	54.02	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	179412	50.65	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14548	46.03	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	113305	49.32	ug/l	97
94) Hexachlorobutadiene	15.12	225	57438	51.28	ug/l	99
95) Naphthalene	15.25	128	254452	46.70	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	99773	49.30	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

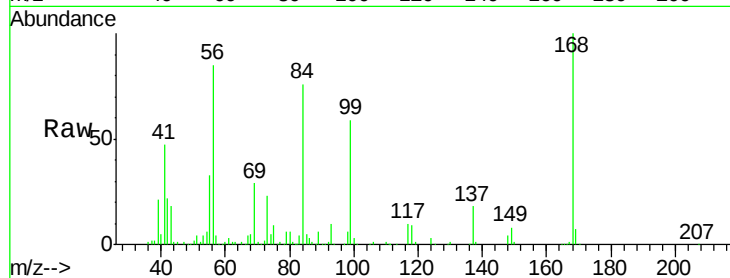
VSTDCCC050

Tgt Ion:168 Resp: 168778

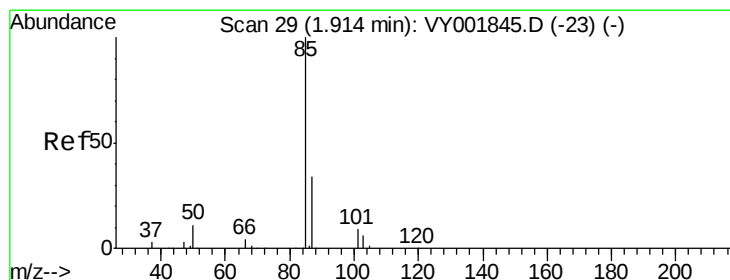
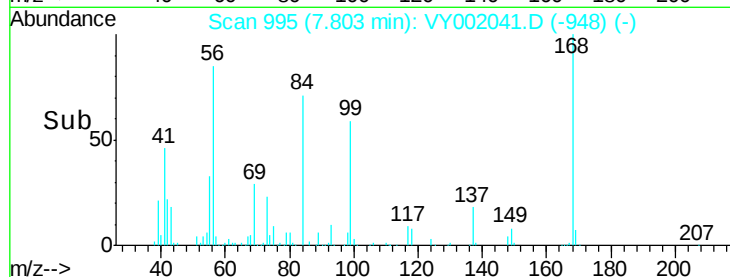
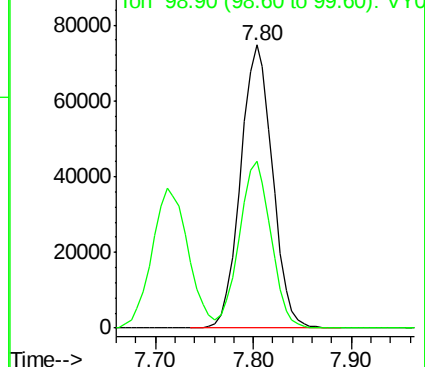
Ion Ratio Lower Upper

168 100

99 58.8 46.7 70.1



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



#2

Dichlorodifluoromethane

Concen: 42.23 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY002041.D

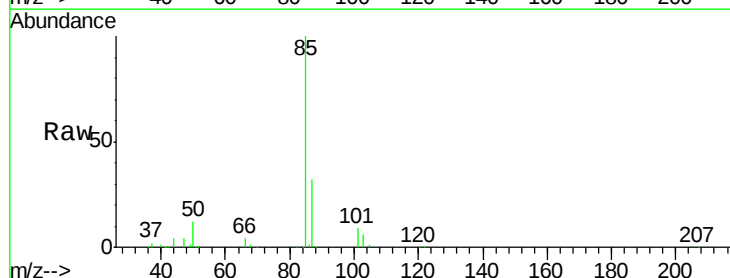
Acq: 24 Mar 2020 10:37

Tgt Ion: 85 Resp: 65788

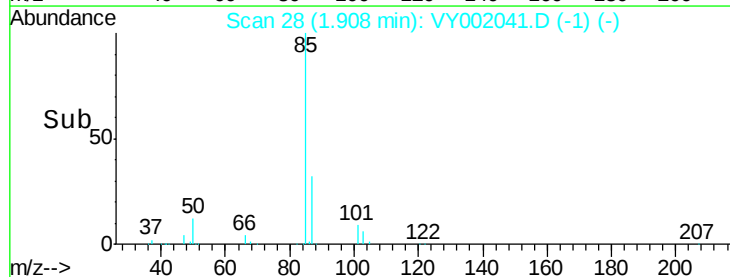
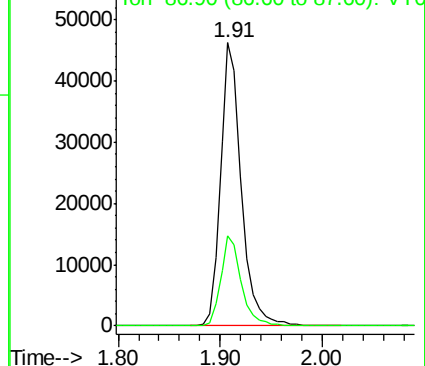
Ion Ratio Lower Upper

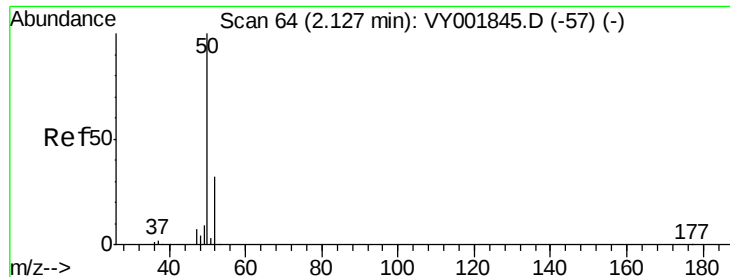
85 100

87 31.9 16.8 50.4



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





#3

Chloromethane

Concen: 43.42 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

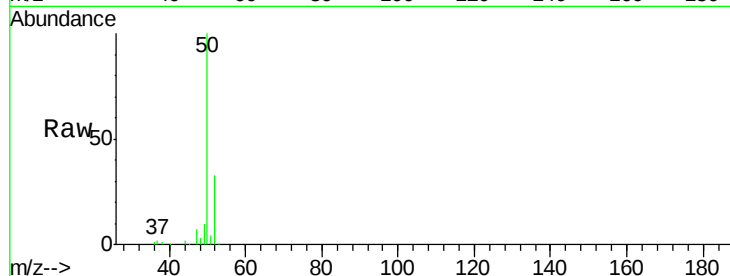
VSTDCCC050

Tgt Ion: 50 Resp: 91196

Ion Ratio Lower Upper

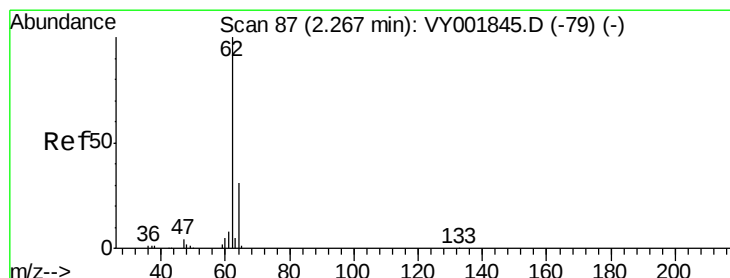
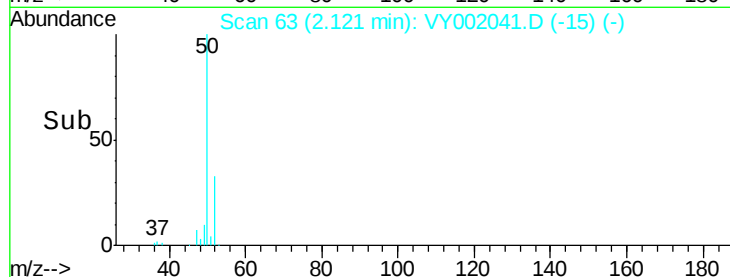
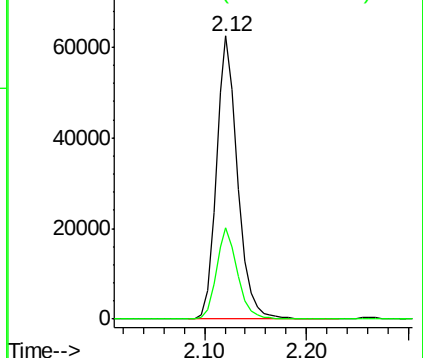
50 100

52 32.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 44.75 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002041.D

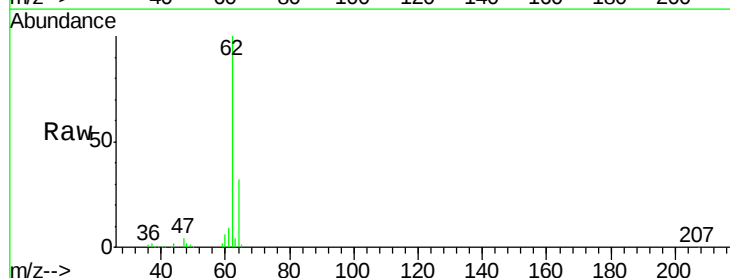
Acq: 24 Mar 2020 10:37

Tgt Ion: 62 Resp: 95614

Ion Ratio Lower Upper

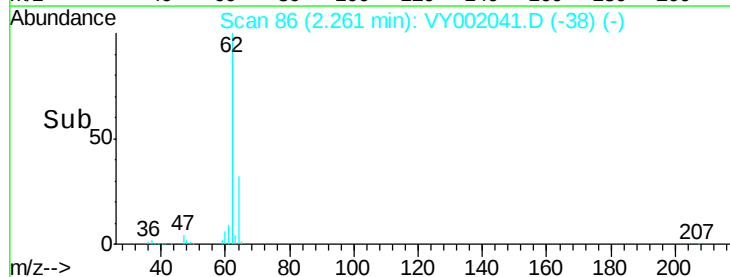
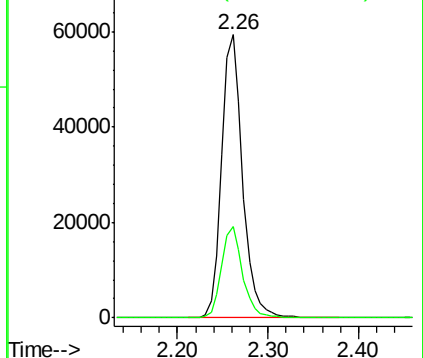
62 100

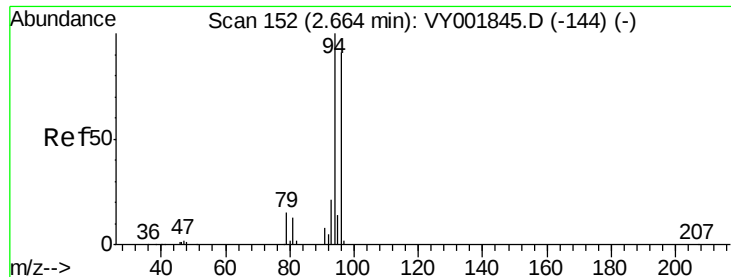
64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 49.49 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

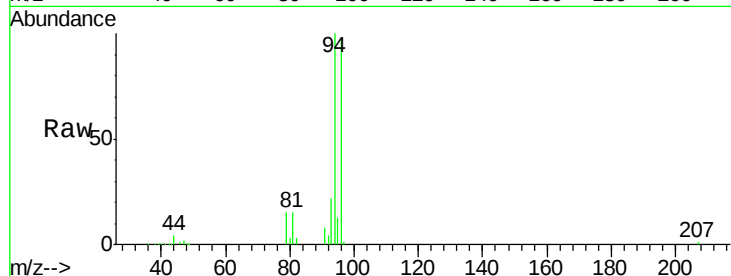
VSTDCCC050

Tgt Ion: 94 Resp: 61829

Ion Ratio Lower Upper

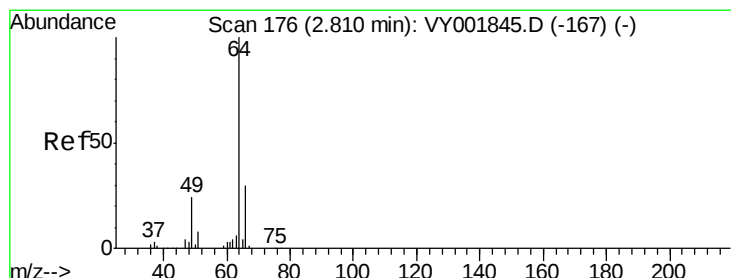
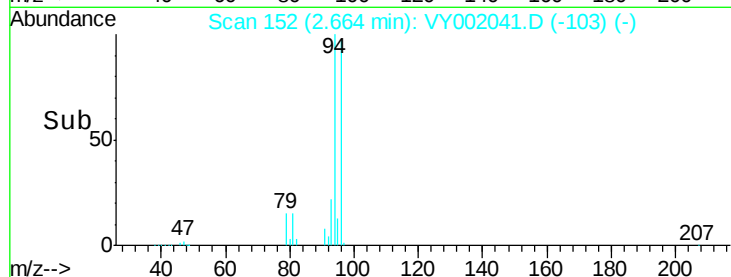
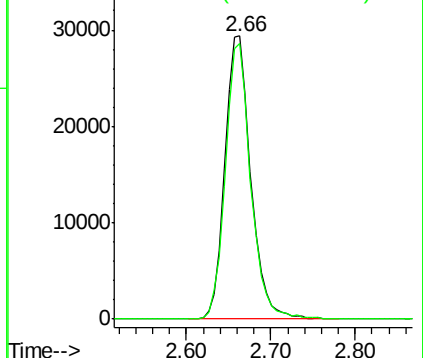
94 100

96 97.5 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: 46.11 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY002041.D

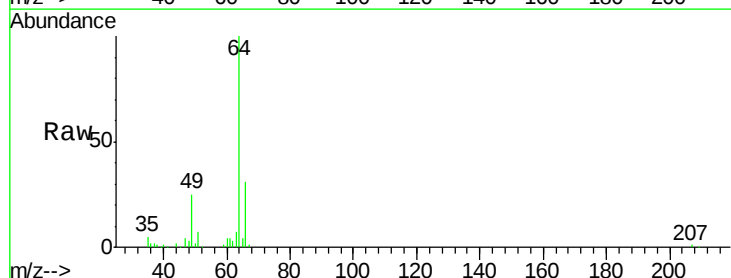
Acq: 24 Mar 2020 10:37

Tgt Ion: 64 Resp: 61885

Ion Ratio Lower Upper

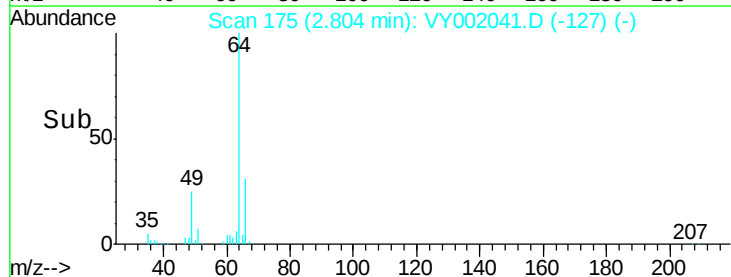
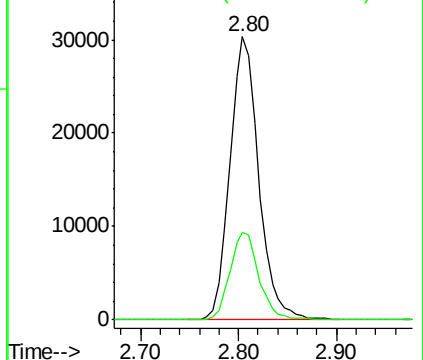
64 100

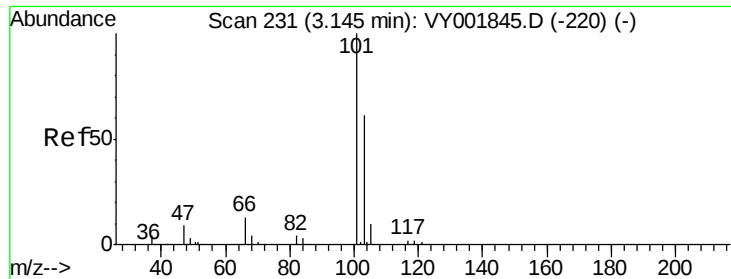
66 30.8 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



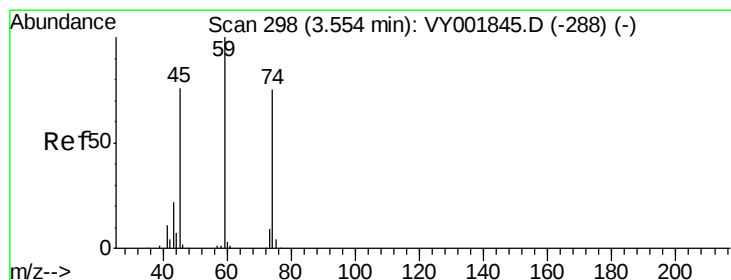
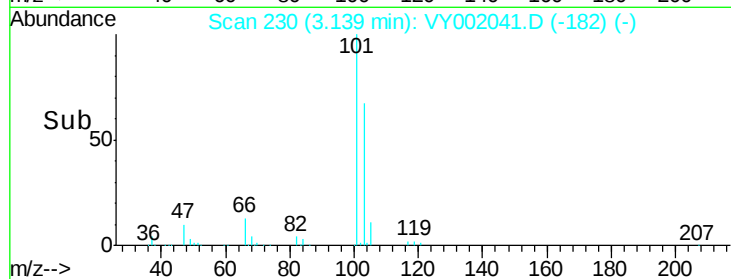
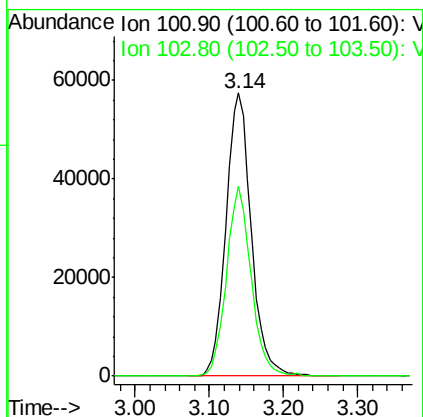
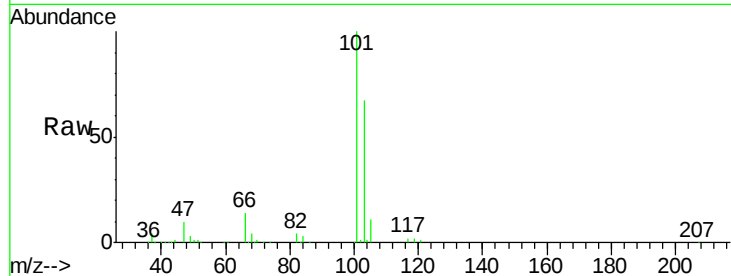


#7

Trichlorofluoromethane
 Concen: 47.12 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Instrument :
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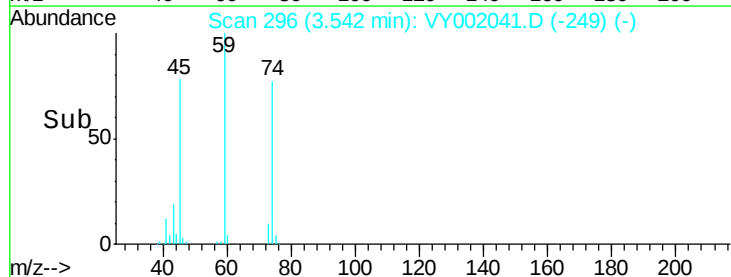
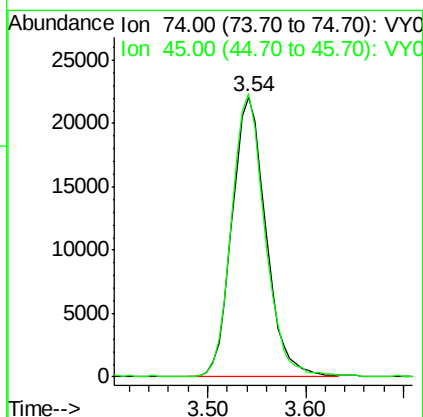
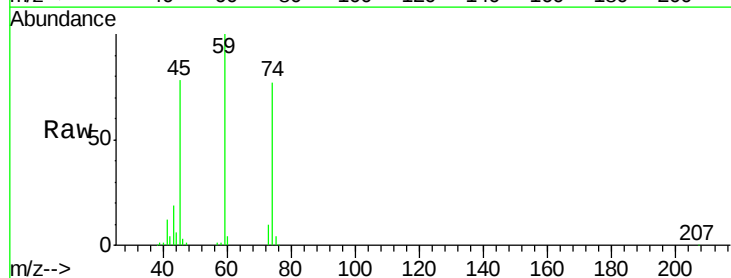
Tgt Ion:101 Resp: 136520
 Ion Ratio Lower Upper
 101 100
 103 67.0 49.1 73.7

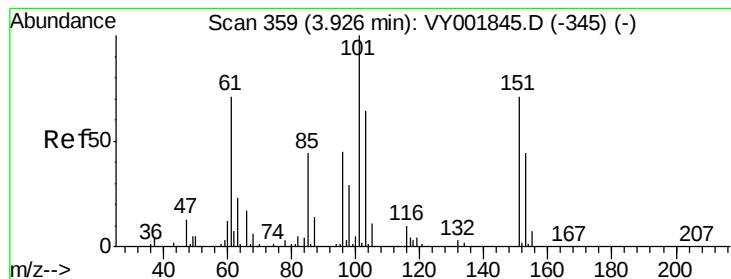


#8

Diethyl Ether
 Concen: 46.70 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion: 74 Resp: 53331
 Ion Ratio Lower Upper
 74 100
 45 99.7 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.40 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

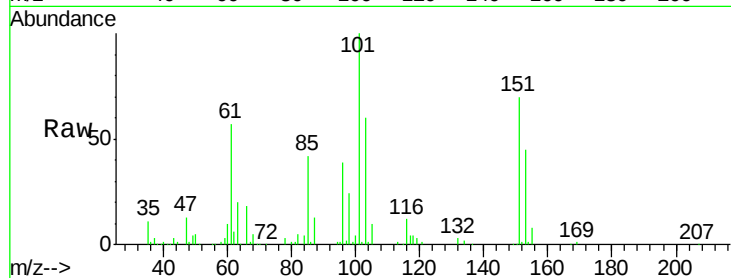
Tgt Ion:101 Resp: 92056

Ion Ratio Lower Upper

101 100

85 43.3 35.3 52.9

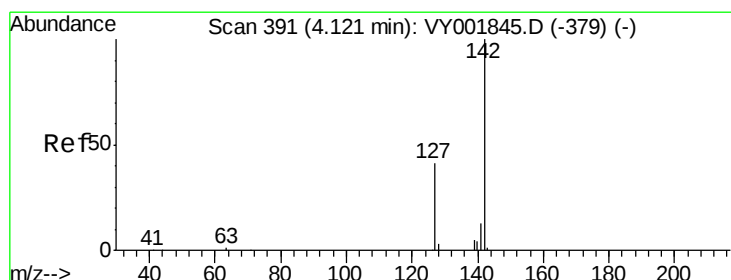
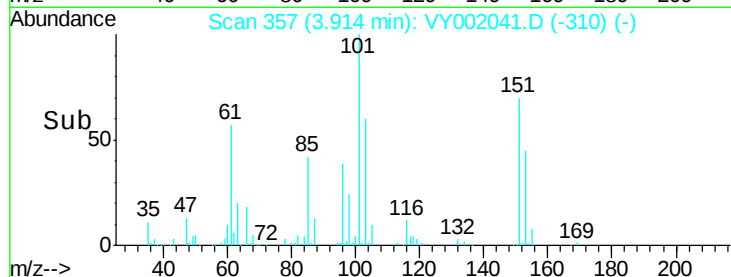
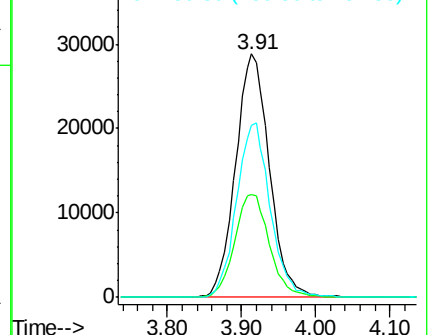
151 71.3 57.0 85.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.91 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

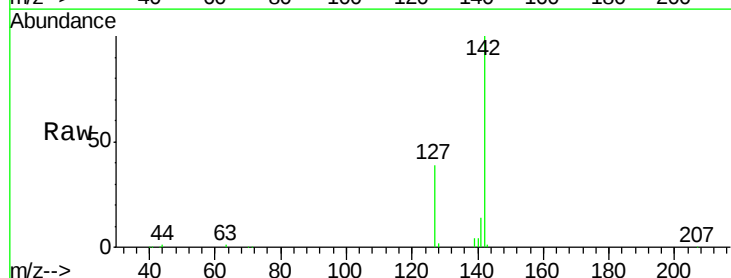
Tgt Ion:142 Resp: 109718

Ion Ratio Lower Upper

142 100

127 40.5 32.7 49.1

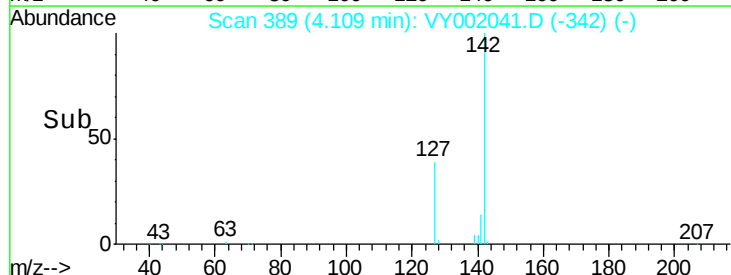
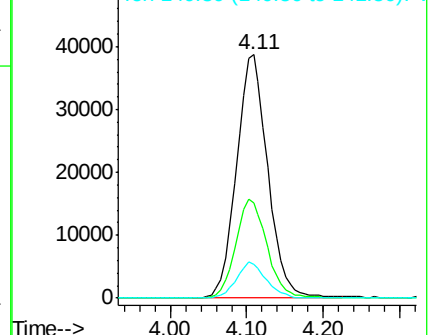
141 14.0 11.0 16.6

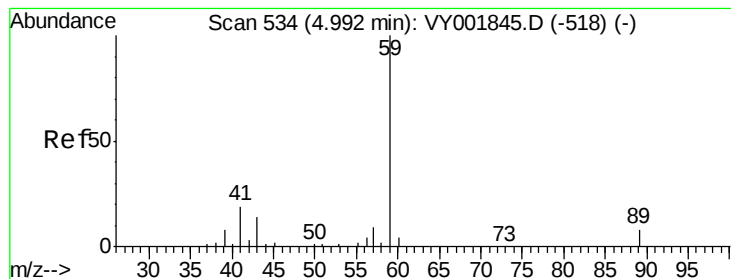


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



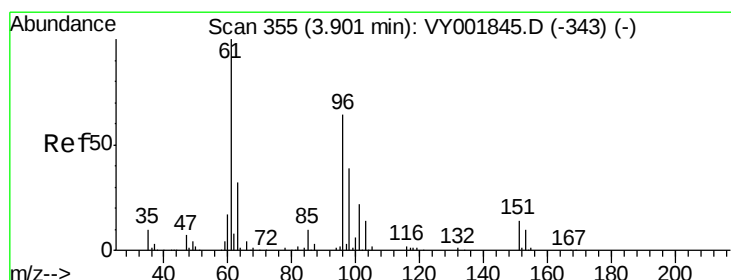
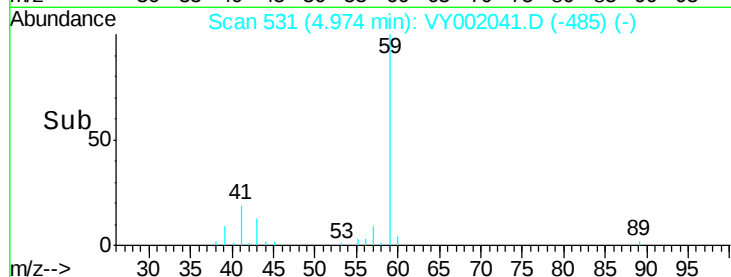
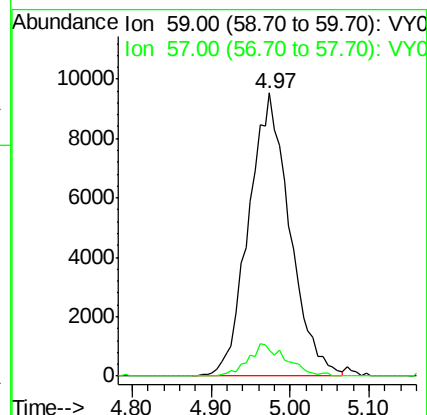
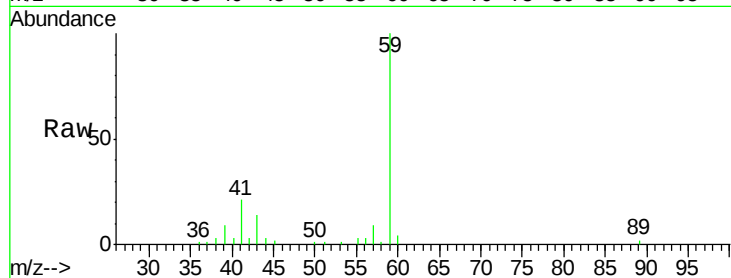


#11

Tert butyl alcohol
 Concen: 177.57 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

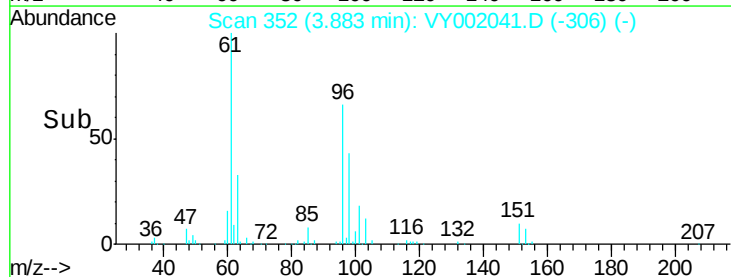
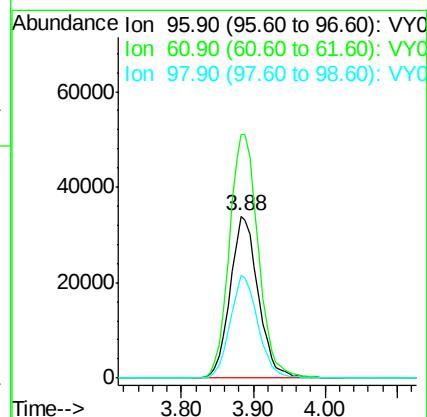
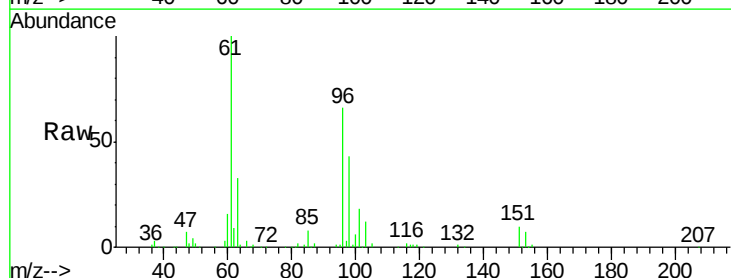
Tgt Ion: 59 Resp: 34522
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.4 11.2

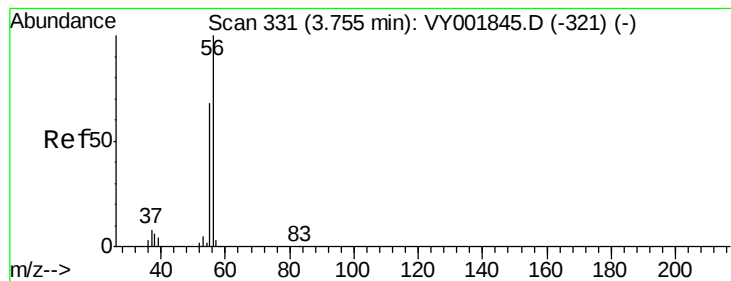


#12

1,1-Dichloroethene
 Concen: 48.99 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion: 96 Resp: 91925
 Ion Ratio Lower Upper
 96 100
 61 150.4 124.8 187.2
 98 64.0 49.2 73.8





#13

Acrolein

Concen: 194.19 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

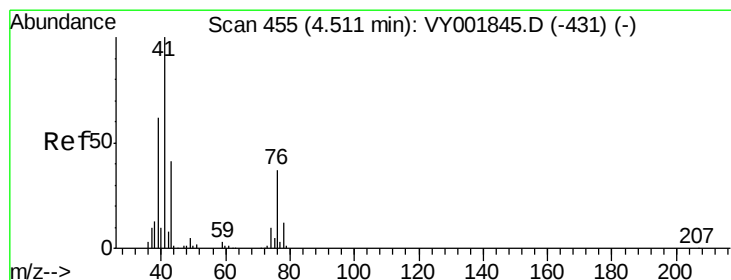
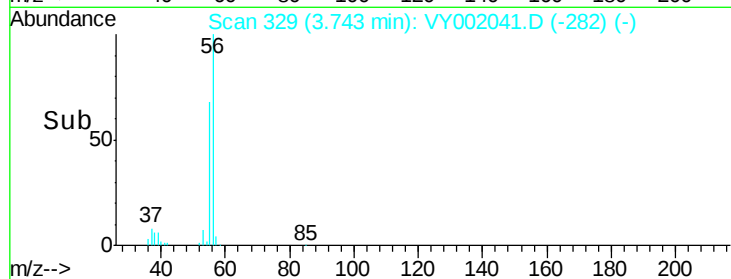
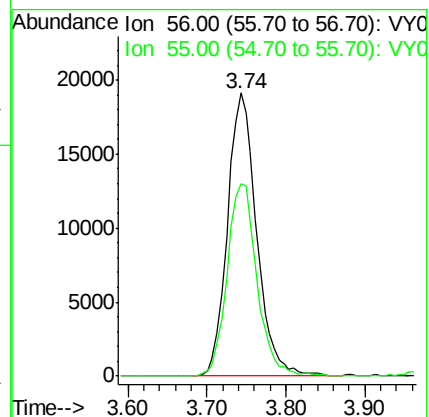
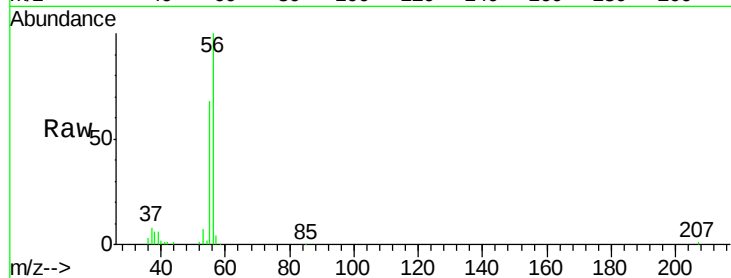
VSTDCCC050

Tgt Ion: 56 Resp: 49168

Ion Ratio Lower Upper

56 100

55 69.8 54.0 81.0



#14

Allyl chloride

Concen: 49.11 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

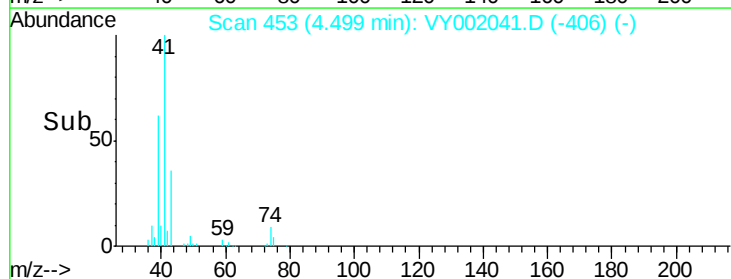
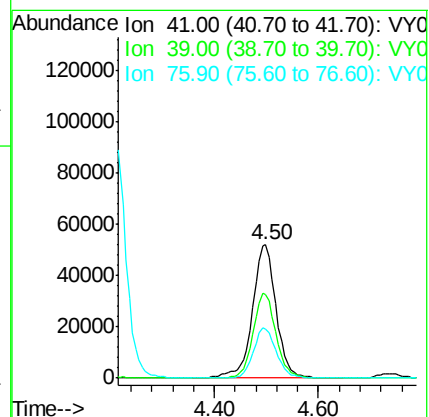
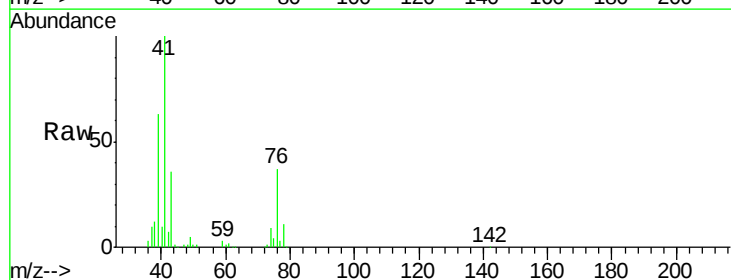
Tgt Ion: 41 Resp: 163374

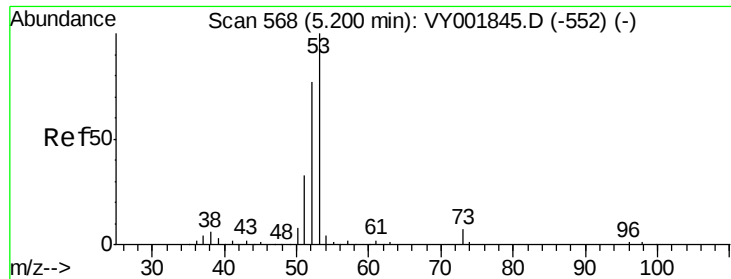
Ion Ratio Lower Upper

41 100

39 61.5 49.0 73.6

76 36.3 28.9 43.3





#15

Acrylonitrile

Concen: 223.80 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

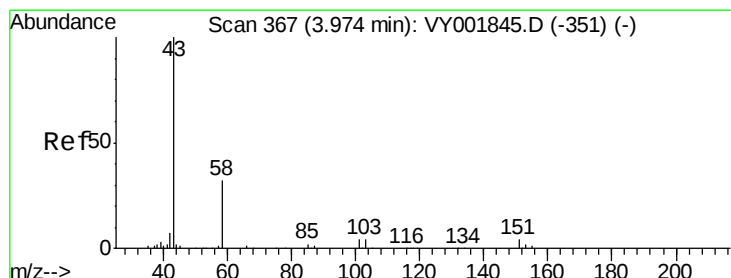
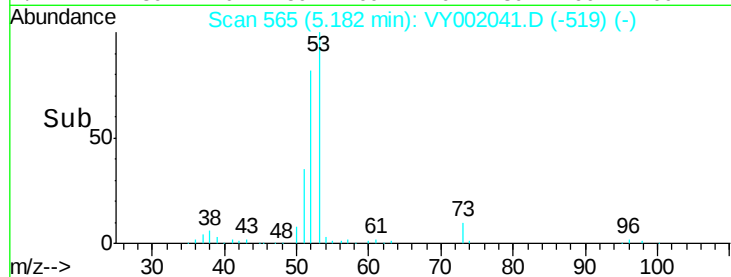
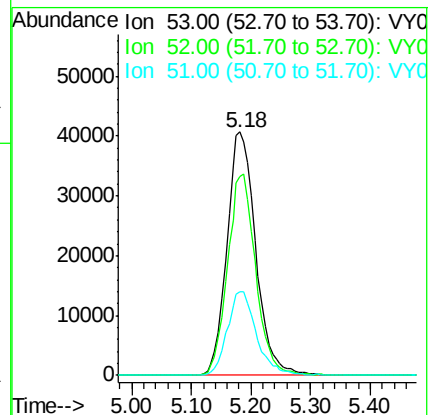
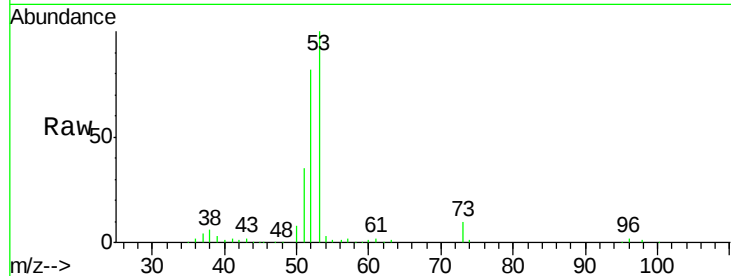
Tgt Ion: 53 Resp: 136577

Ion Ratio Lower Upper

53 100

52 80.8 65.1 97.7

51 34.9 27.5 41.3



#16

Acetone

Concen: 291.15 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VY002041.D

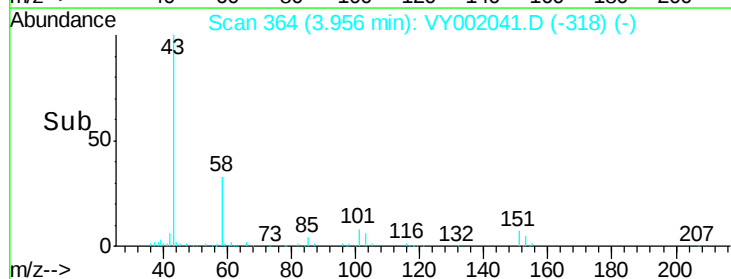
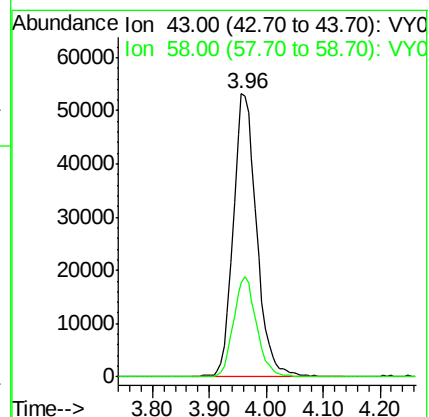
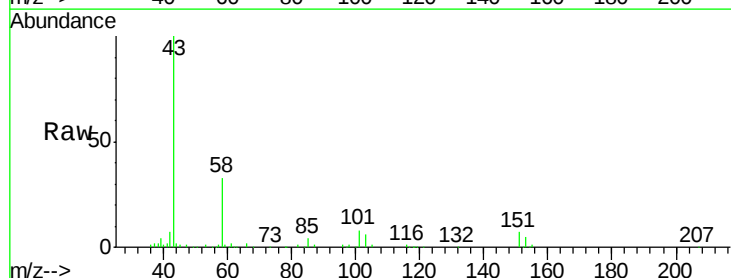
Acq: 24 Mar 2020 10:37

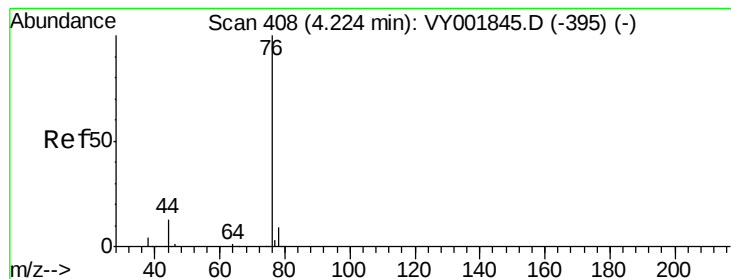
Tgt Ion: 43 Resp: 152795

Ion Ratio Lower Upper

43 100

58 33.2 25.9 38.9





#17

Carbon Disulfide

Concen: 42.73 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampled :

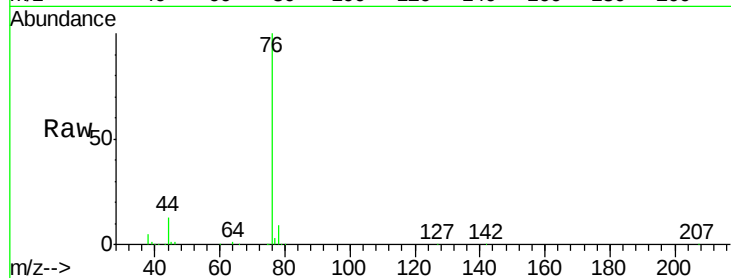
VSTDCCC050

Tgt Ion: 76 Resp: 269563

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

100000

80000

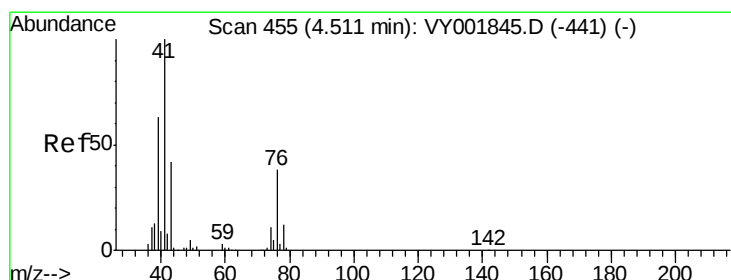
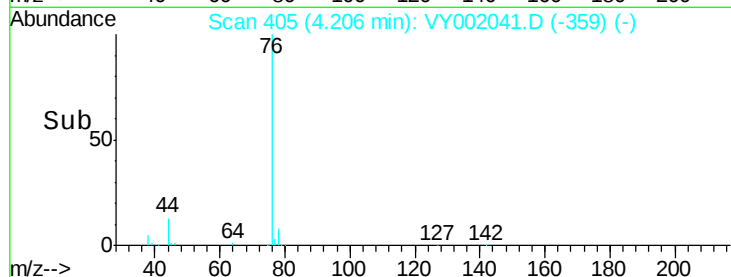
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 42.91 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY002041.D

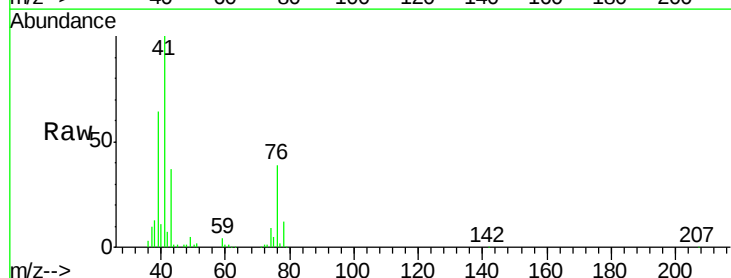
Acq: 24 Mar 2020 10:37

Tgt Ion: 43 Resp: 57862

Ion Ratio Lower Upper

43 100

74 24.2 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

20000

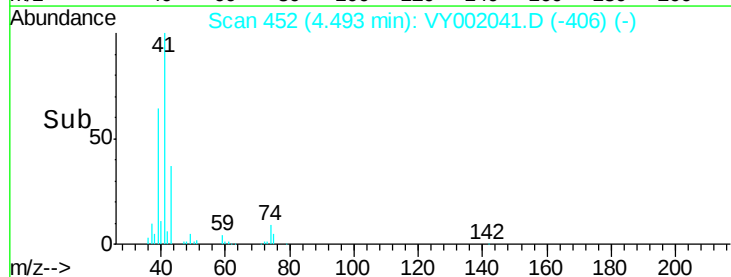
15000

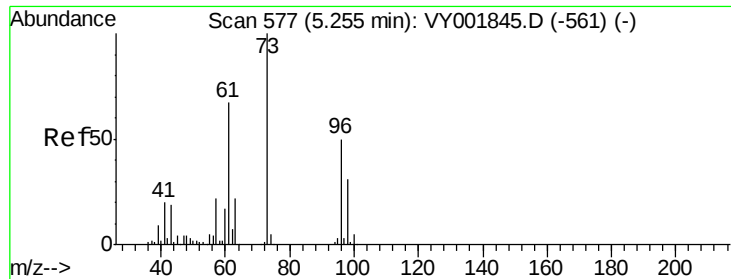
10000

5000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 47.46 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

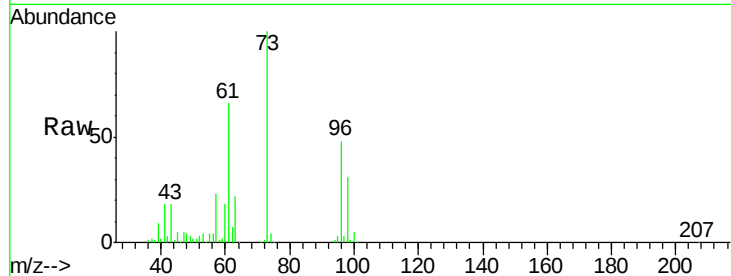
VSTDCCC050

Tgt Ion: 73 Resp: 241344

Ion Ratio Lower Upper

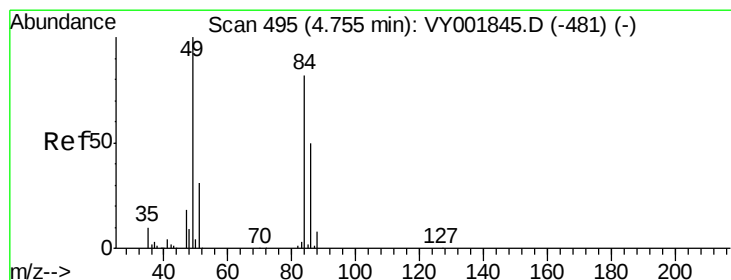
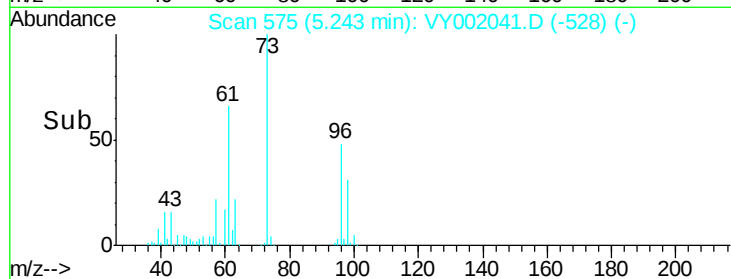
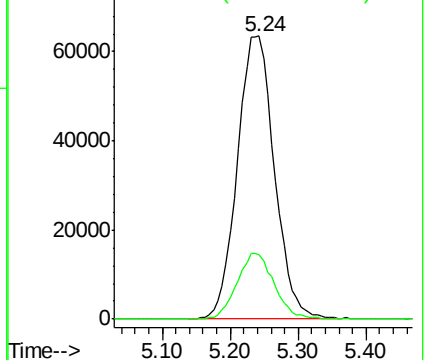
73 100

57 22.6 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#20

Methylene Chloride

Concen: 45.63 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Tgt Ion: 84 Resp: 102639

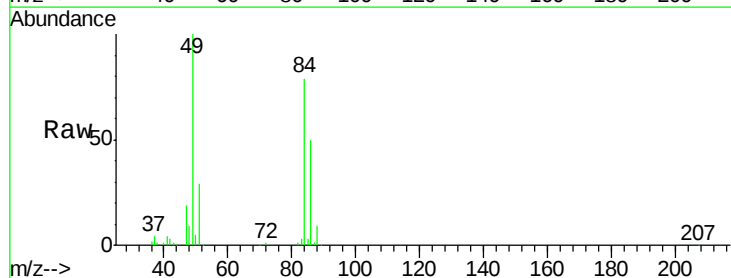
Ion Ratio Lower Upper

84 100

49 127.2 98.2 147.2

51 37.0 30.2 45.2

86 63.5 48.9 73.3

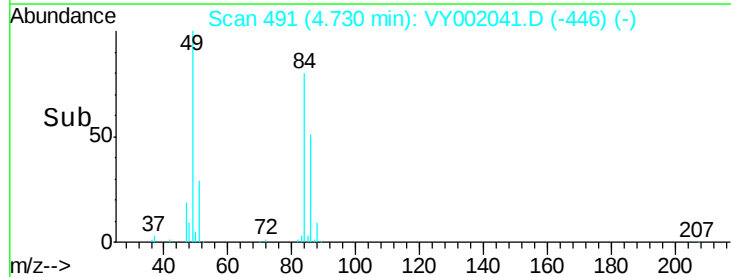
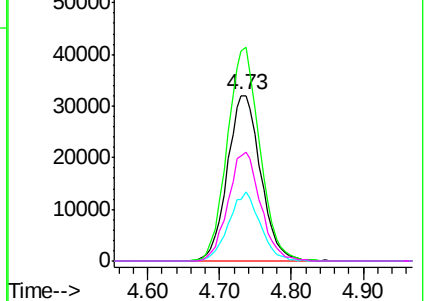


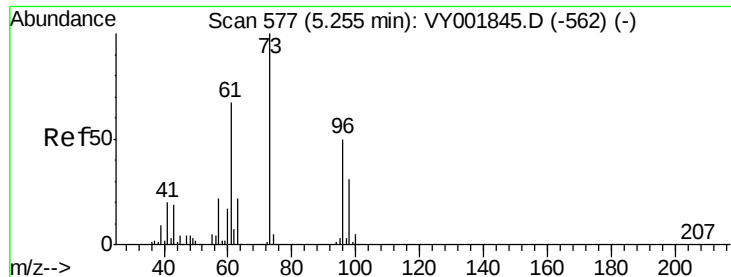
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#21

trans-1,2-Dichloroethene

Concen: 47.87 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

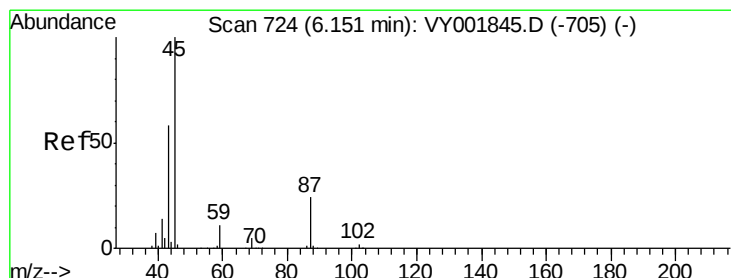
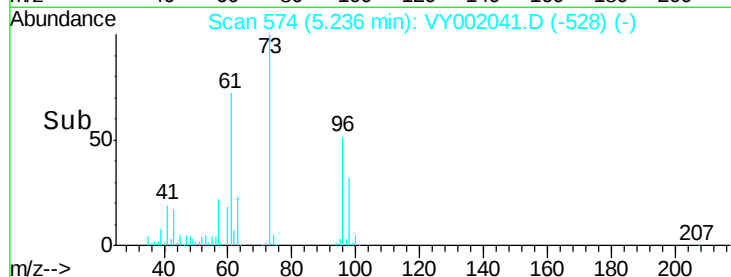
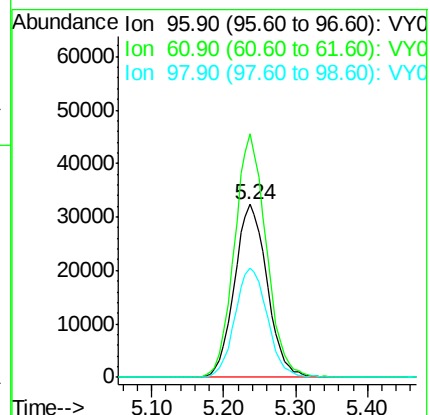
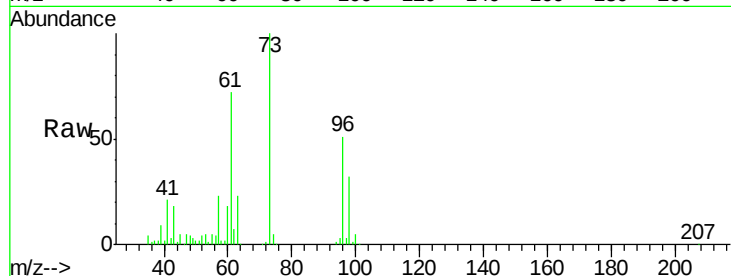
Tgt Ion: 96 Resp: 101962

Ion Ratio Lower Upper

96 100

61 140.9 107.7 161.5

98 63.2 49.3 73.9



#22

Diisopropyl ether

Concen: 48.42 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Tgt Ion: 45 Resp: 330202

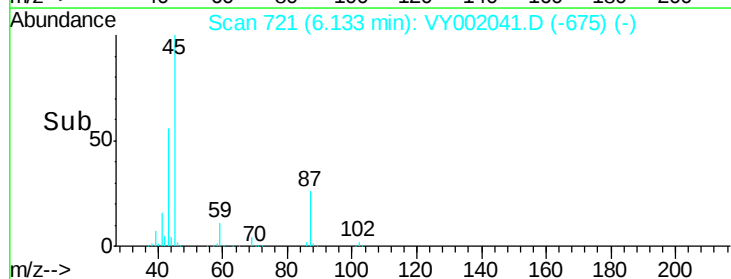
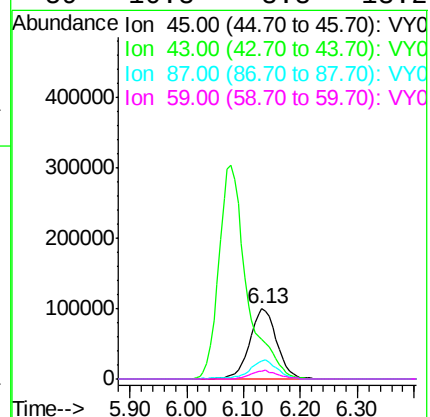
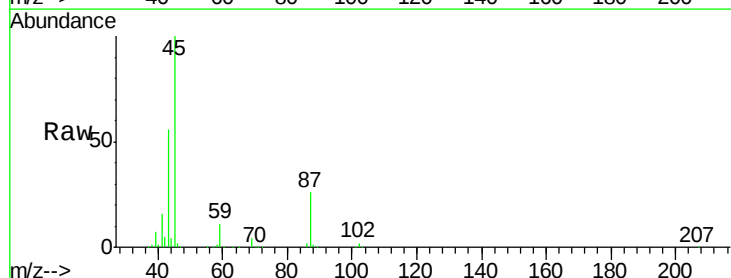
Ion Ratio Lower Upper

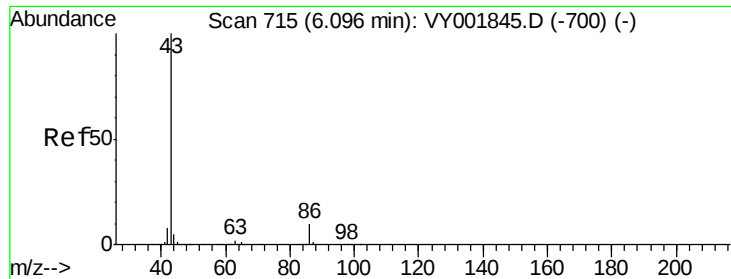
45 100

43 55.9 47.2 70.8

87 26.0 19.8 29.8

59 10.8 8.8 13.2





#23

Vinyl Acetate

Concen: 230.86 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

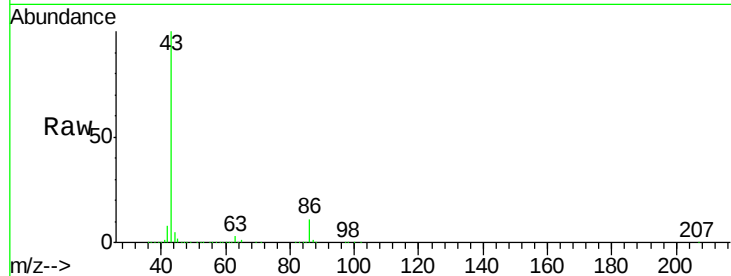
VSTDCCC050

Tgt Ion: 43 Resp: 1032042

Ion Ratio Lower Upper

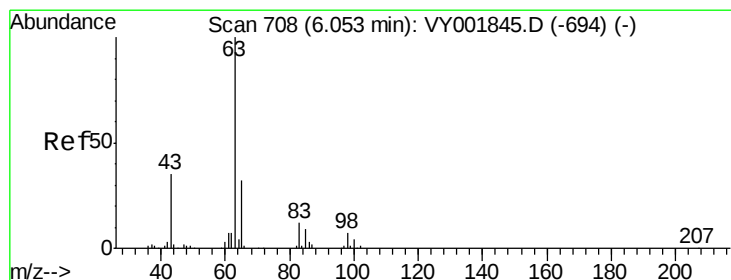
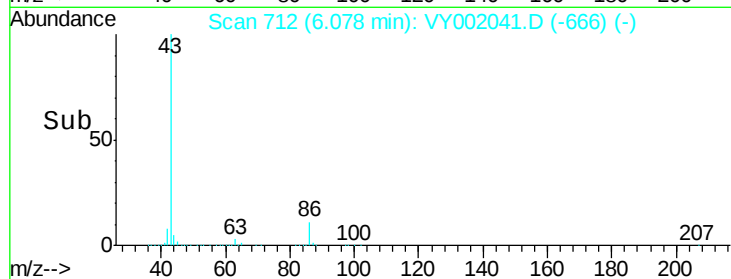
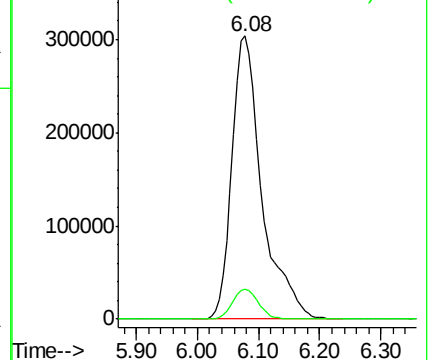
43 100

86 10.7 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 49.11 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

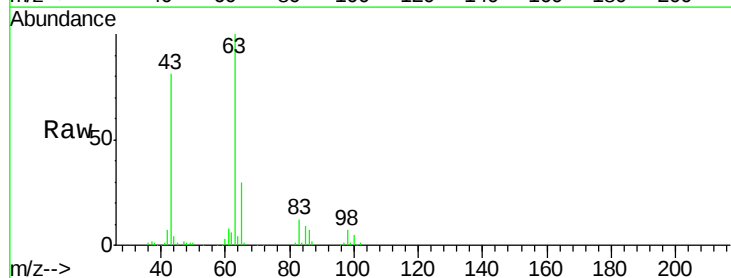
Tgt Ion: 63 Resp: 181363

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

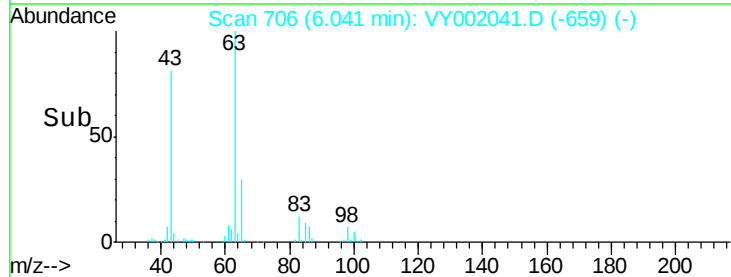
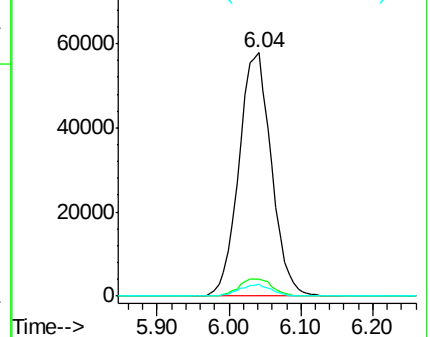
100 4.8 2.0 6.0

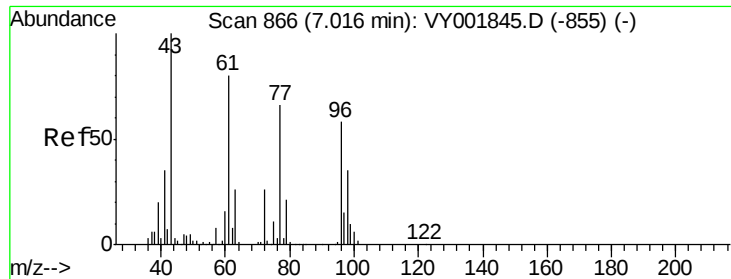


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 245.76 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

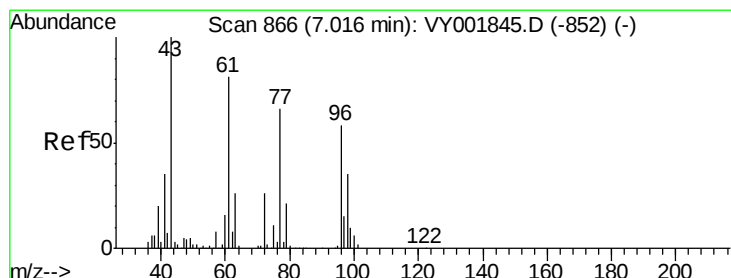
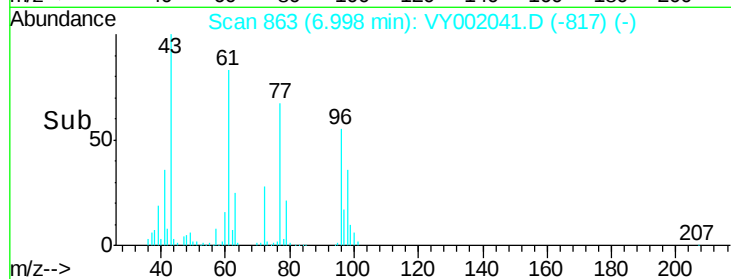
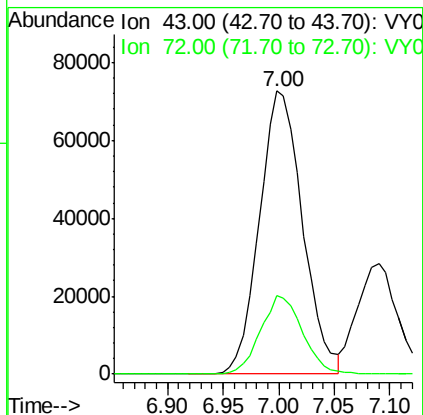
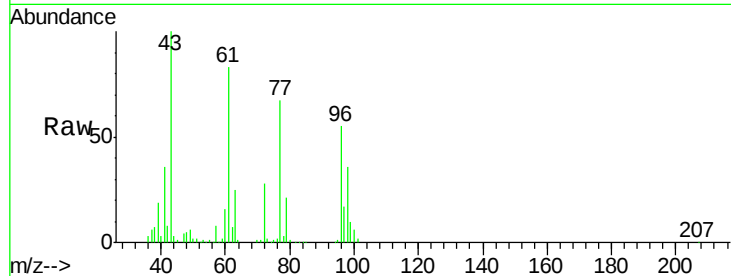
VSTDCCC050

Tgt Ion: 43 Resp: 196137

Ion Ratio Lower Upper

43 100

72 27.7 20.9 31.3



#26

2,2-Dichloropropane

Concen: 50.47 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY002041.D

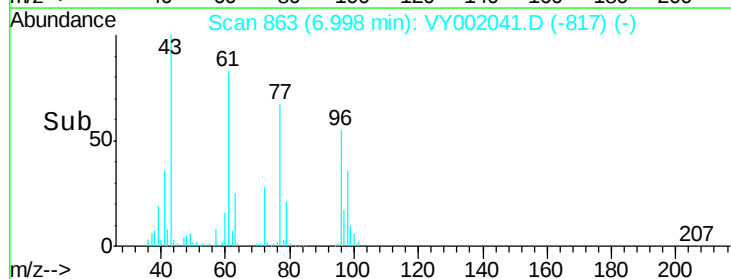
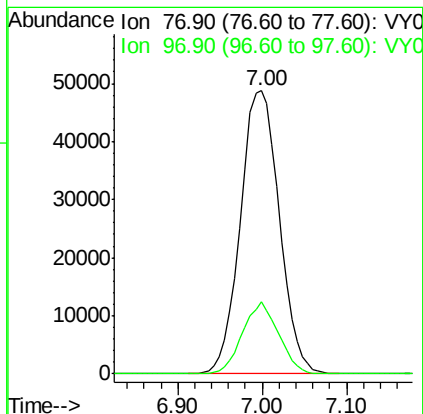
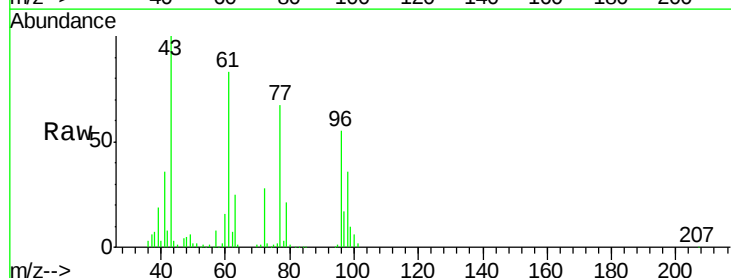
Acq: 24 Mar 2020 10:37

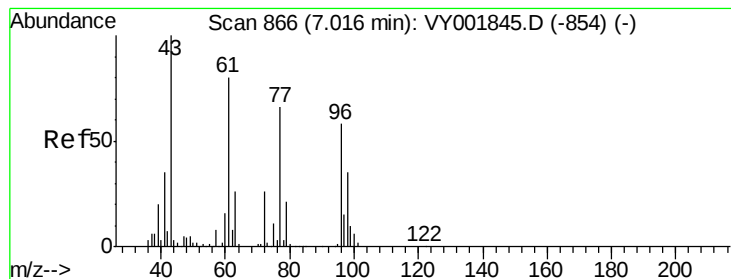
Tgt Ion: 77 Resp: 152973

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 49.02 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

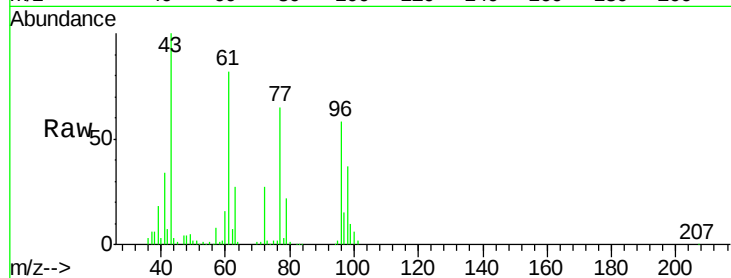
Tgt Ion: 96 Resp: 113562

Ion Ratio Lower Upper

96 100

61 144.6 0.0 288.2

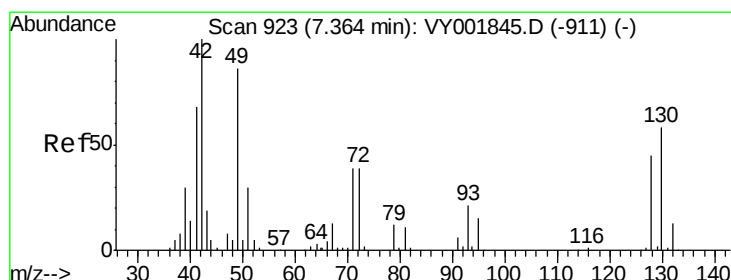
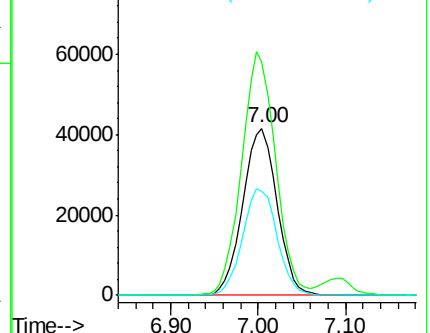
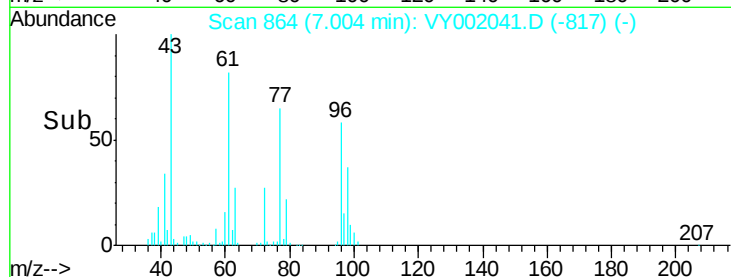
98 64.3 0.0 129.0



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: 48.48 ug/l

RT: 7.35 min Scan# 920

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

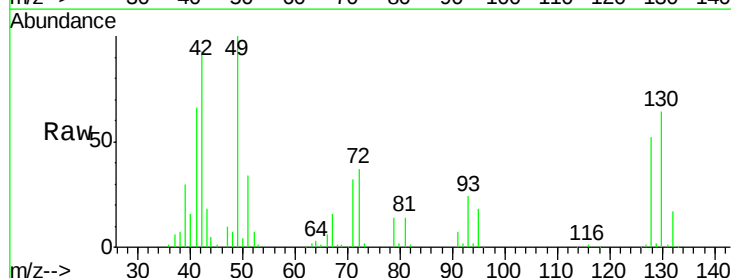
Tgt Ion: 49 Resp: 80695

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

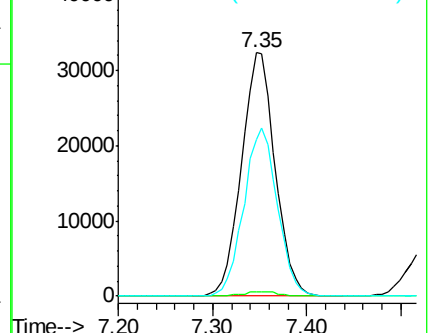
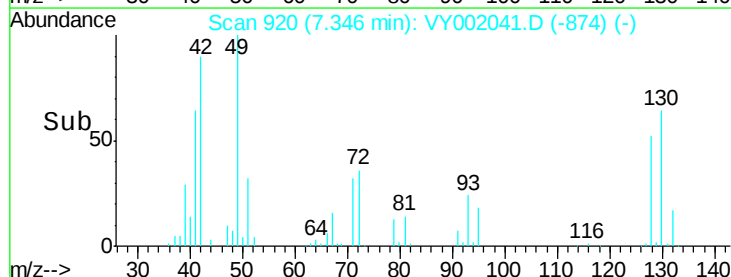
130 69.0 54.4 81.6

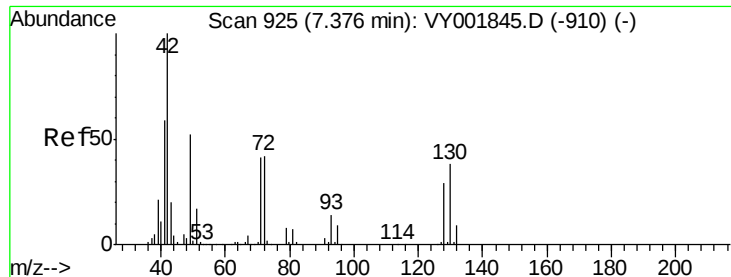


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

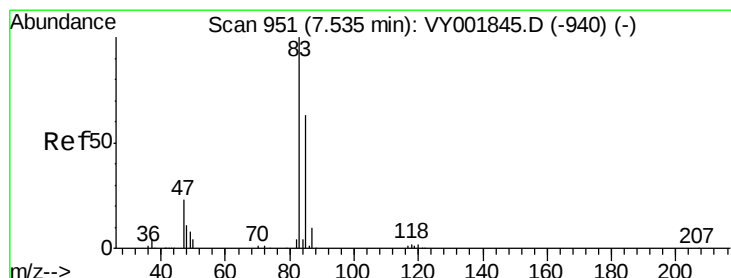
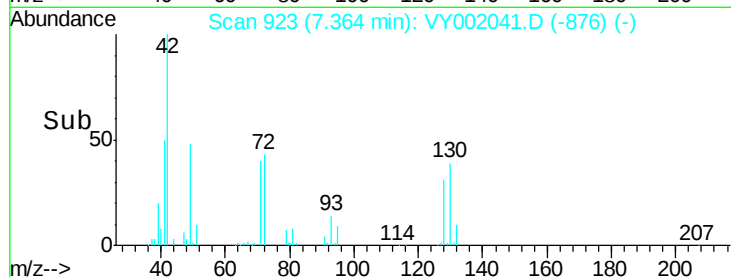
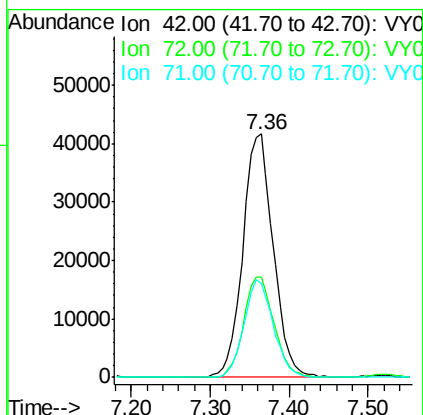
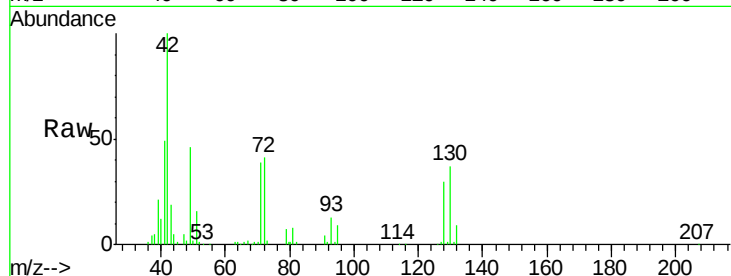




#29
Tetrahydrofuran
Concen: 210.70 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

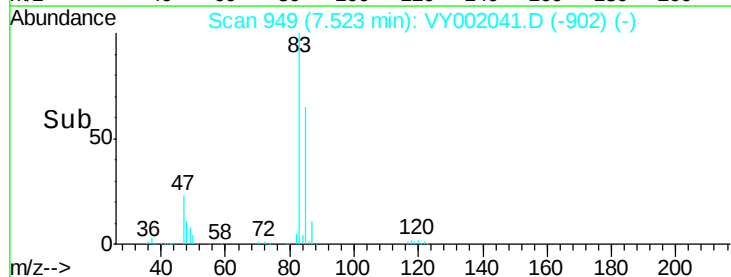
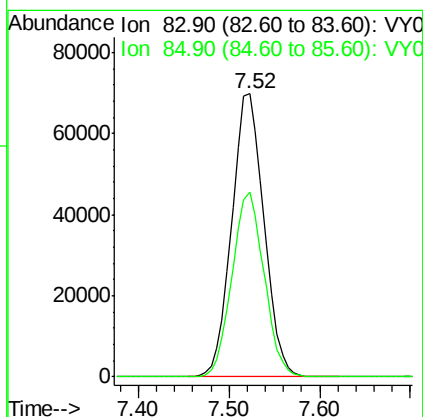
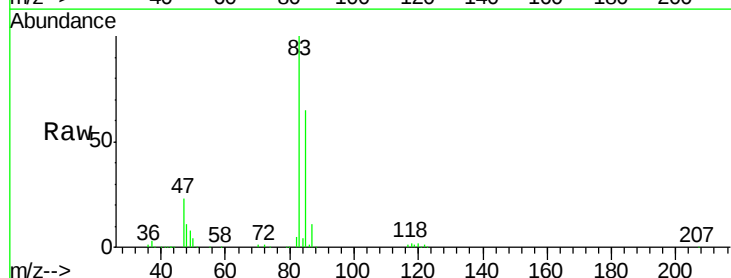
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 111667
Ion Ratio Lower Upper
42 100
72 41.1 33.5 50.3
71 38.5 31.3 46.9



#30
Chloroform
Concen: 49.71 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

Tgt Ion: 83 Resp: 172463
Ion Ratio Lower Upper
83 100
85 65.2 50.7 76.1





#31

Cyclohexane

Concen: 44.55 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

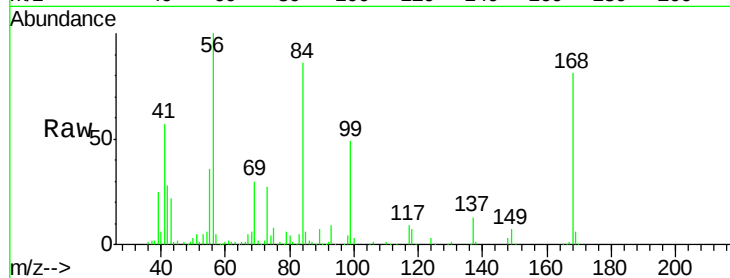
Tgt Ion: 56 Resp: 176389

Ion Ratio Lower Upper

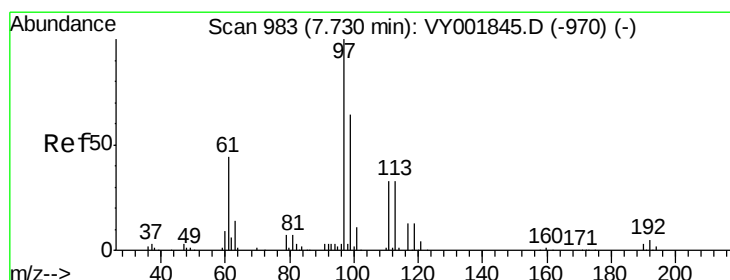
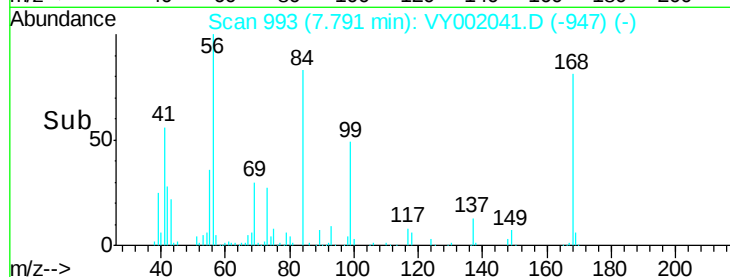
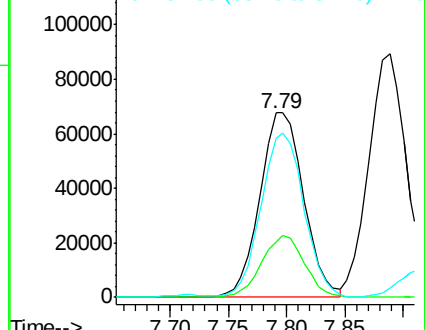
56 100

69 30.2 26.7 40.1

84 85.1 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: 50.53 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

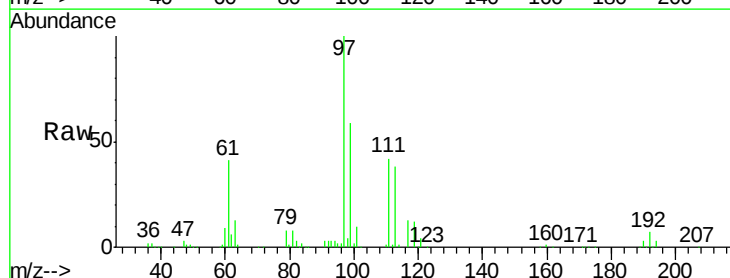
Tgt Ion: 97 Resp: 147762

Ion Ratio Lower Upper

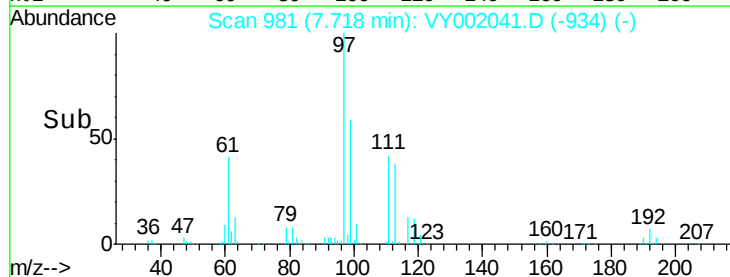
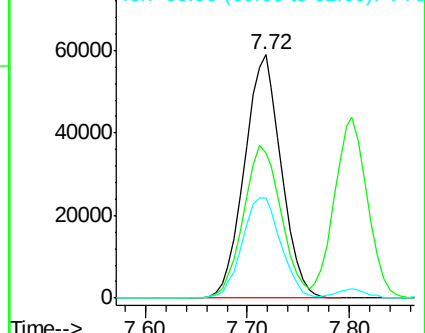
97 100

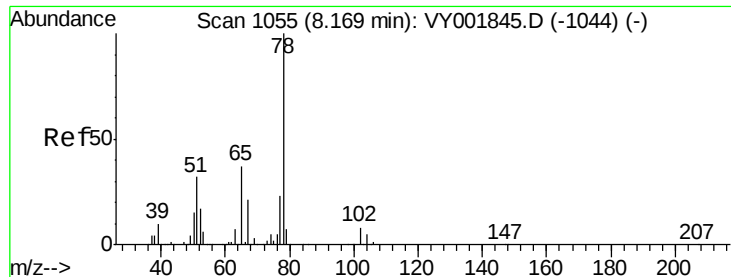
99 64.4 52.0 78.0

61 43.4 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: 47.28 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

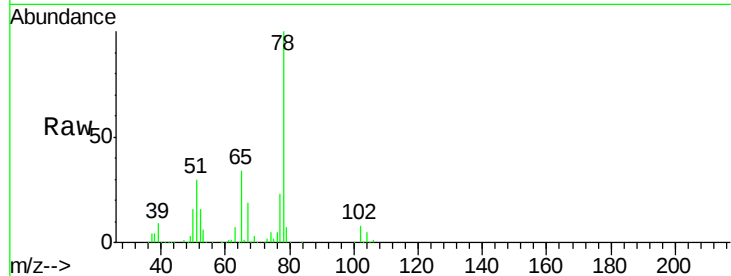
VSTDCCC050

Tgt Ion: 65 Resp: 85198

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY001845.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001845.D (-1044) (-)

8.16

40000

30000

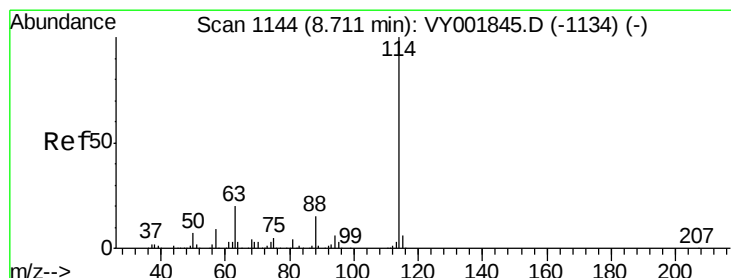
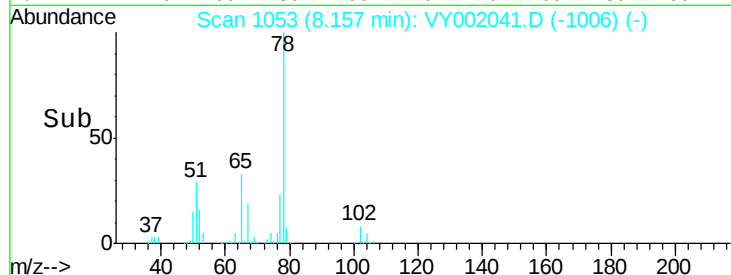
20000

10000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

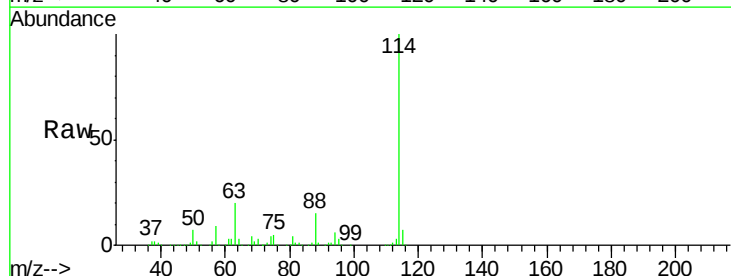
Tgt Ion: 114 Resp: 300011

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

88 14.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VY001845.D (-1134) (-)

Ion 63.00 (62.70 to 63.70): VY001845.D (-1134) (-)

Ion 87.90 (87.60 to 88.60): VY001845.D (-1134) (-)

8.70

200000

150000

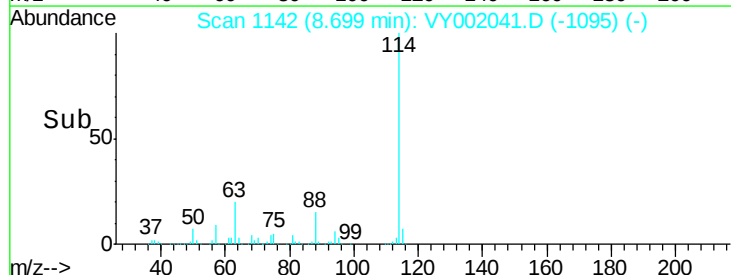
100000

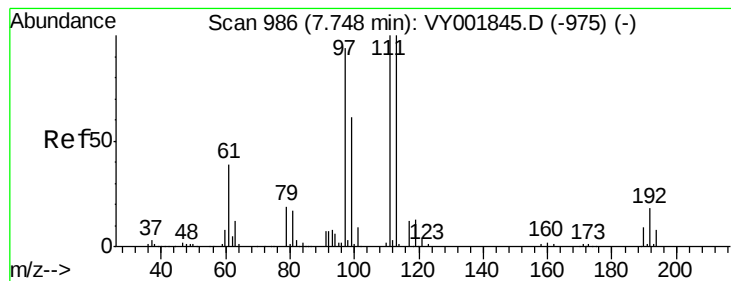
50000

0

8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 51.48 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

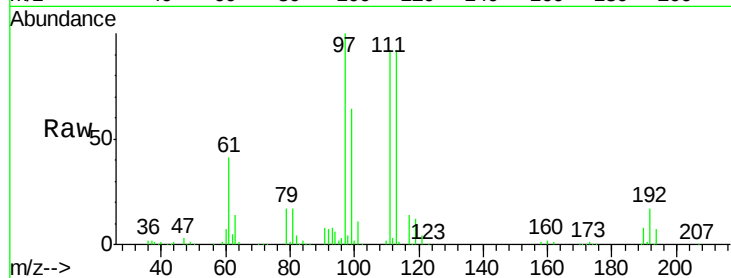
Tgt Ion:113 Resp: 84336

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

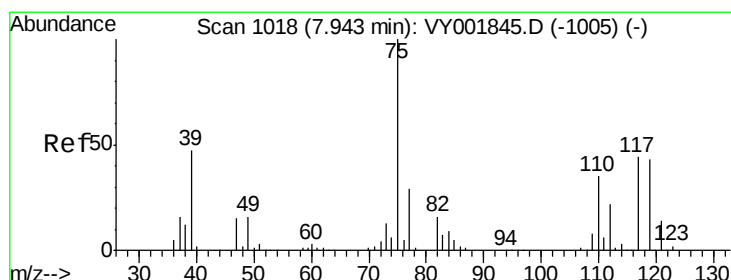
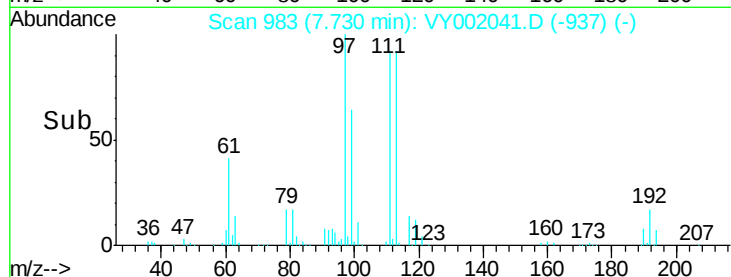
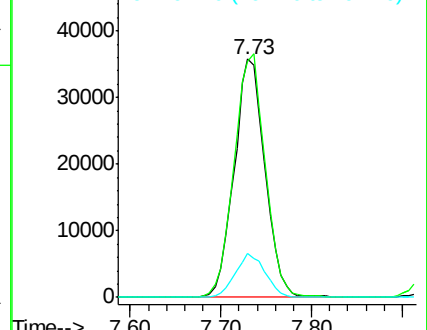
192 17.9 14.2 21.2



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: 49.25 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. -0.02 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

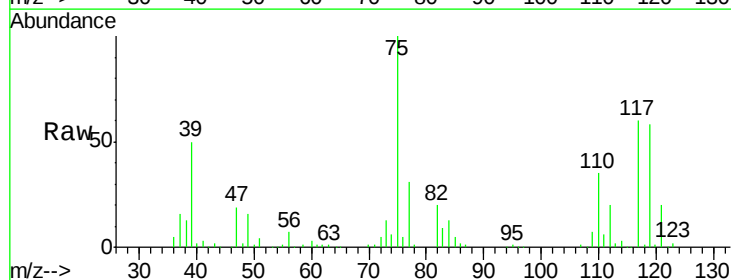
Tgt Ion: 75 Resp: 142196

Ion Ratio Lower Upper

75 100

110 35.4 17.4 52.2

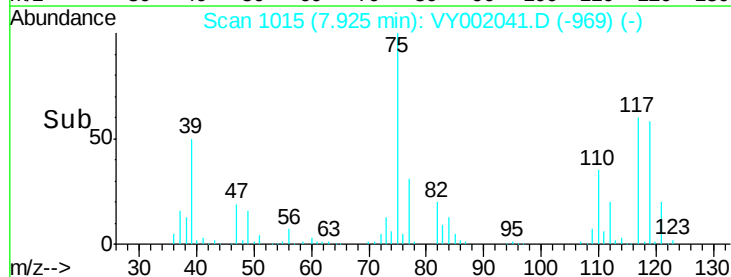
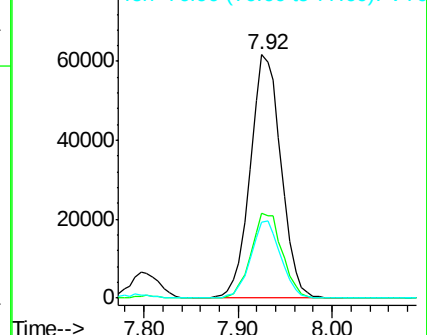
77 30.8 24.2 36.2

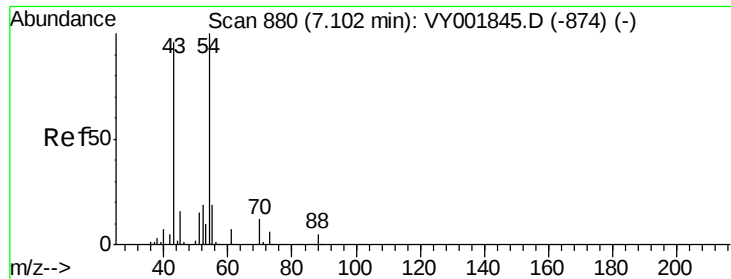


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

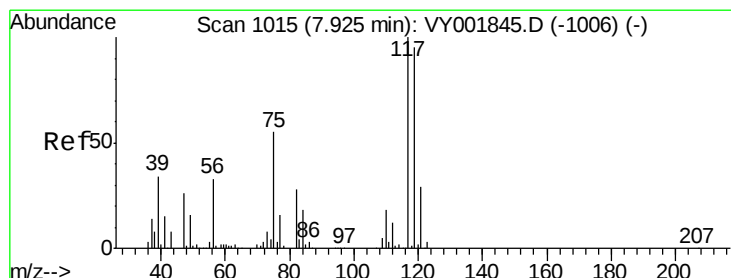
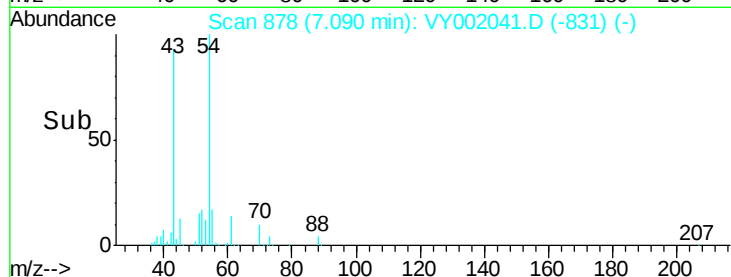
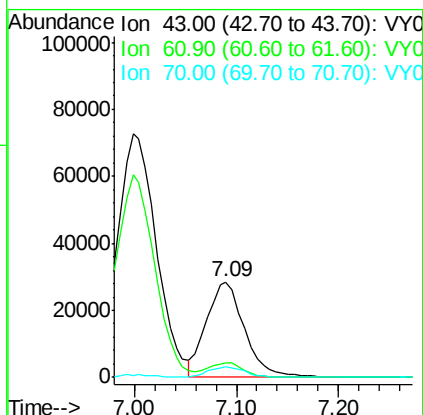
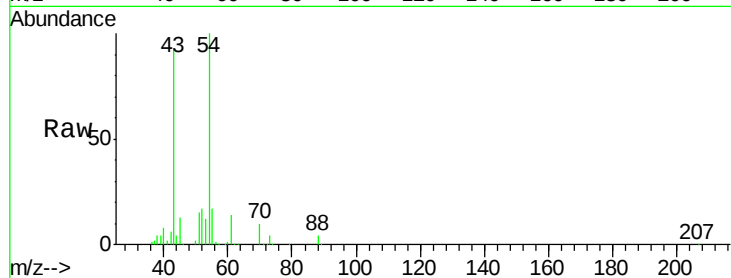




#37
Ethyl Acetate
Concen: 43.78 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

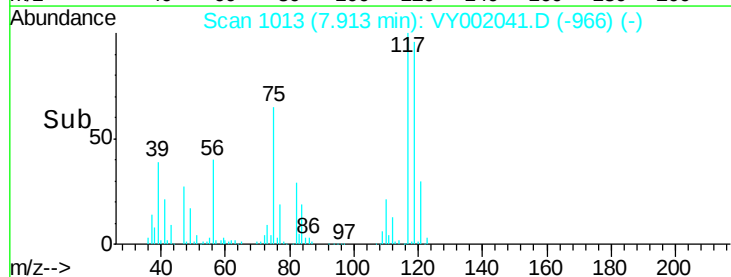
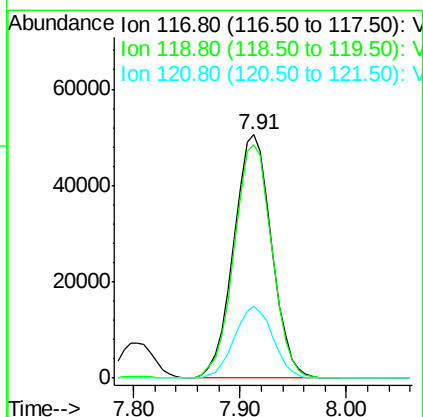
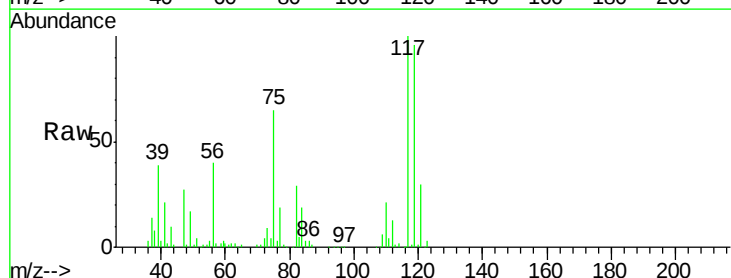
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

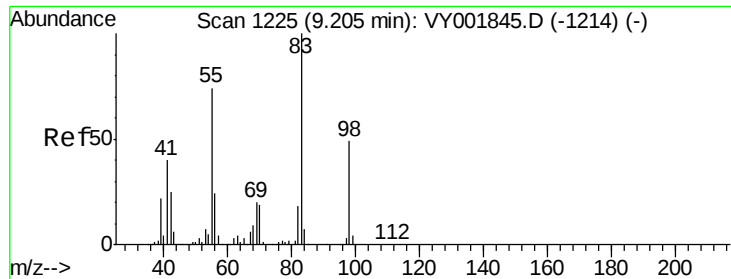
Tgt Ion: 43 Resp: 73458
Ion Ratio Lower Upper
43 100
61 14.1 11.1 16.7
70 10.6 8.2 12.4



#38
Carbon Tetrachloride
Concen: 51.23 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

Tgt Ion: 117 Resp: 126357
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5
121 29.8 23.5 35.3

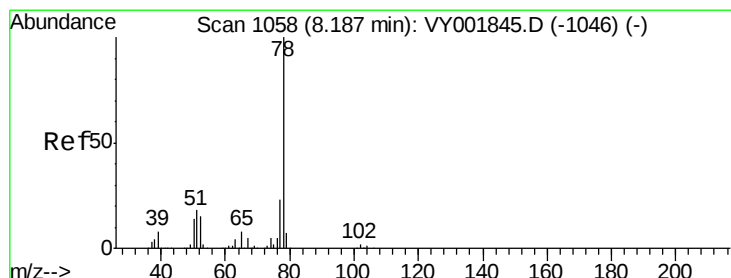
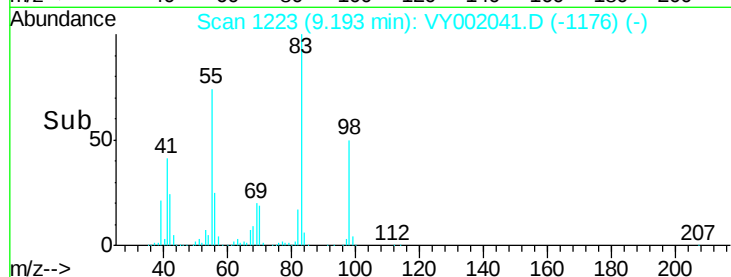
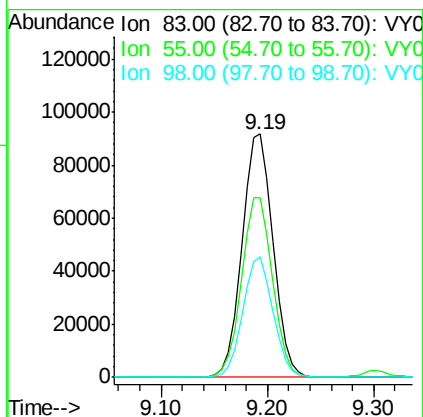
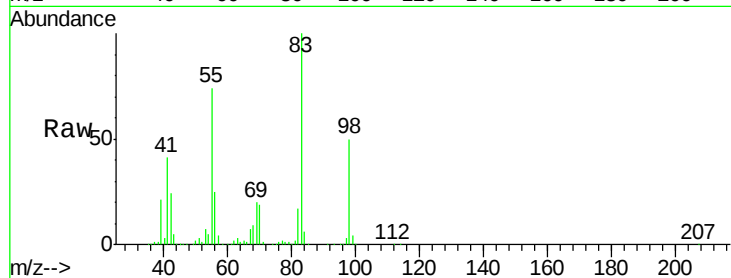




#39
Methylcyclohexane
Concen: 49.01 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

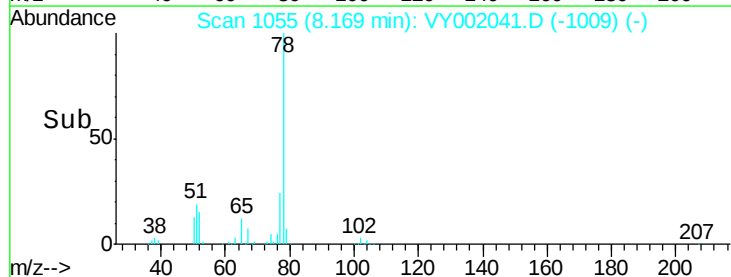
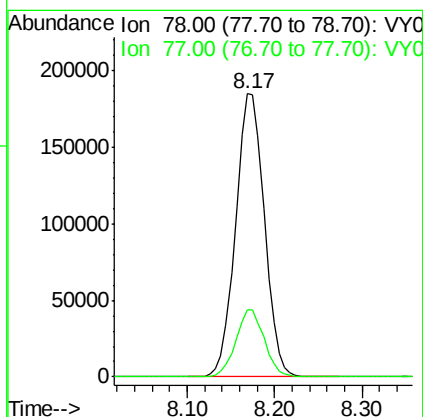
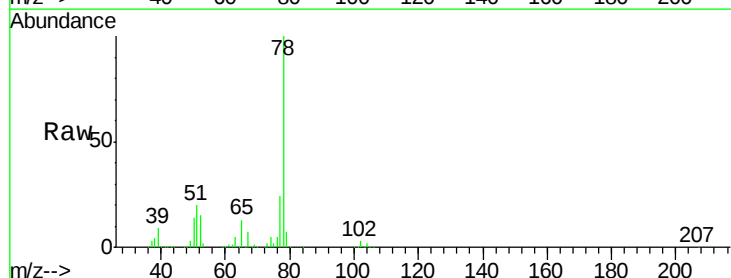
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 187675
Ion Ratio Lower Upper
83 100
55 73.9 59.4 89.0
98 49.6 38.9 58.3



#40
Benzene
Concen: 49.37 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

Tgt Ion: 78 Resp: 422495
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1





#41

Methacrylonitrile

Concen: 131.19 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 99064

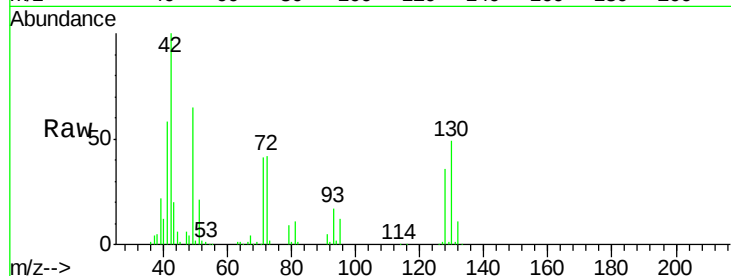
Ion Ratio Lower Upper

41 100

39 45.0 111.7 167.5#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

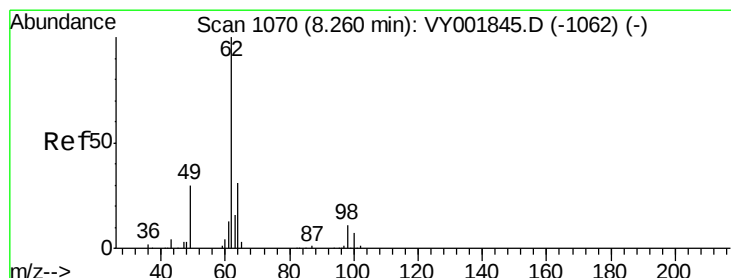
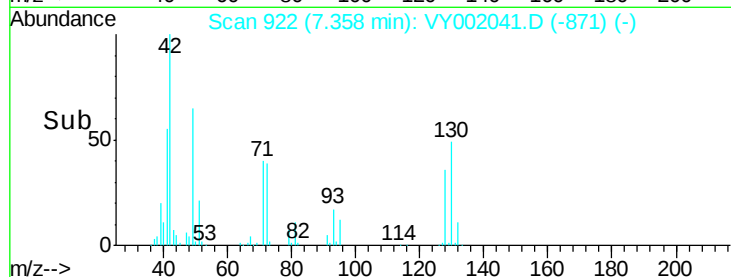
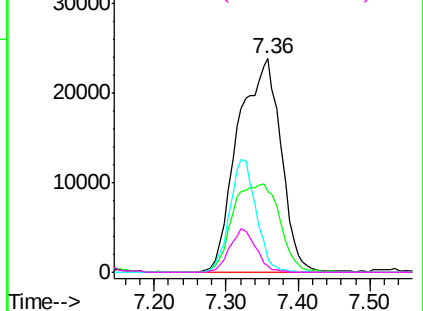


Abundance Ion 41.00 (40.70 to 41.70): VY0

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: 48.75 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY002041.D

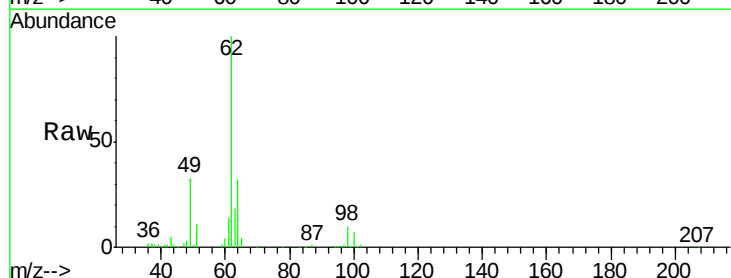
Acq: 24 Mar 2020 10:37

Tgt Ion: 62 Resp: 107492

Ion Ratio Lower Upper

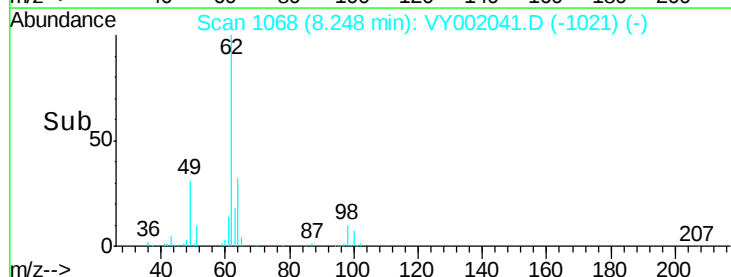
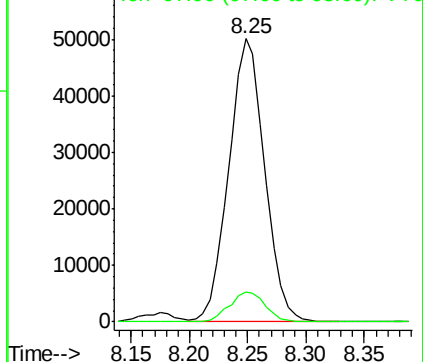
62 100

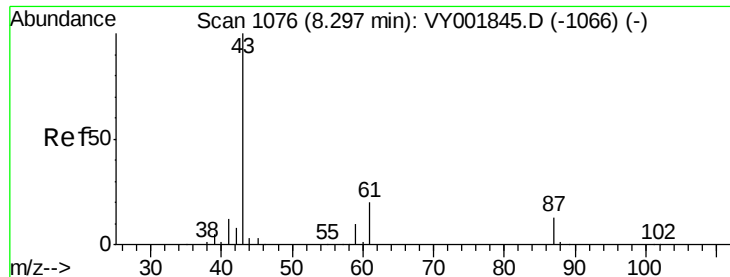
98 10.5 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 45.54 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

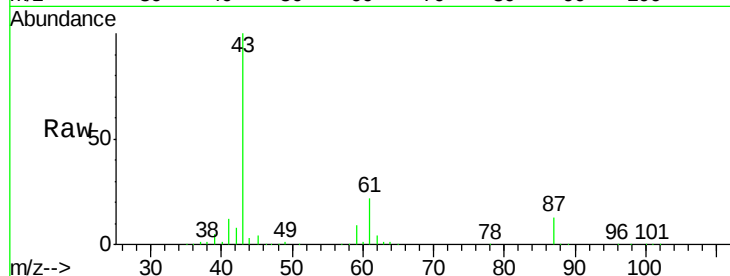
Tgt Ion: 43 Resp: 144664

Ion Ratio Lower Upper

43 100

61 30.8 23.8 35.6

87 13.4 10.9 16.3

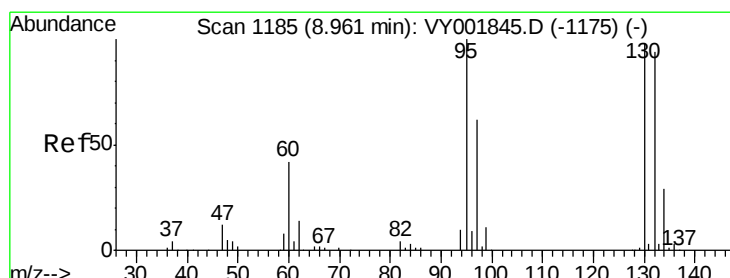
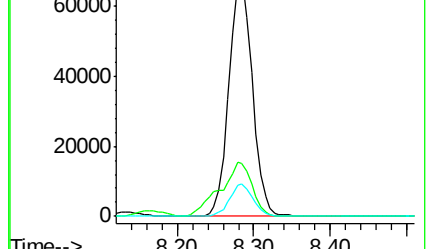
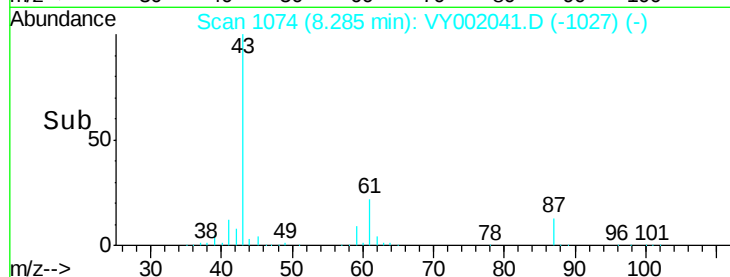


Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1066) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 49.67 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VY002041.D

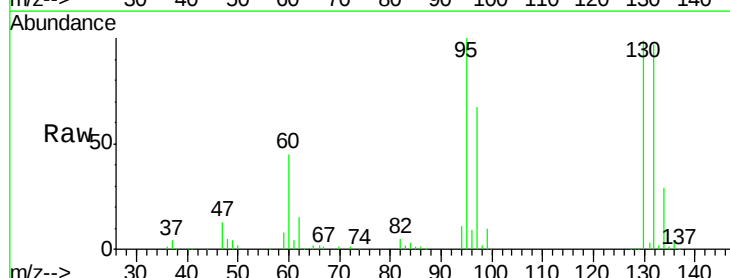
Acq: 24 Mar 2020 10:37

Tgt Ion: 130 Resp: 103521

Ion Ratio Lower Upper

130 100

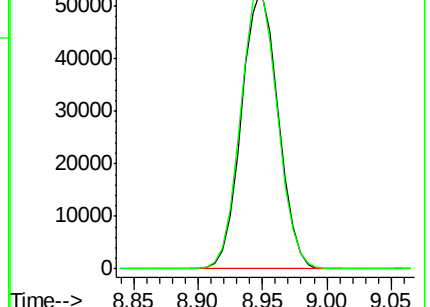
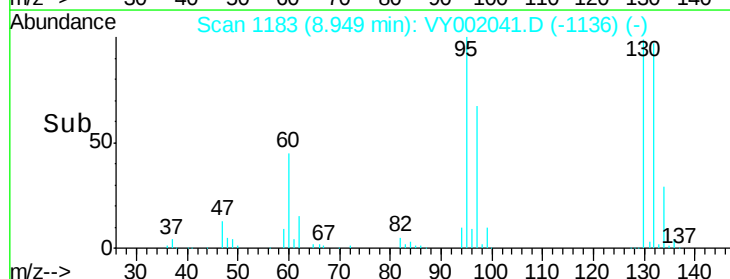
95 101.1 0.0 204.6

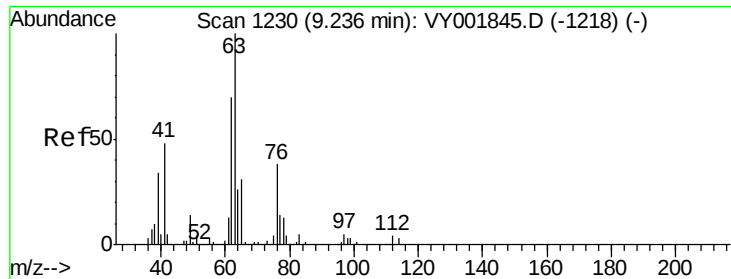


Abundance Ion 129.80 (129.50 to 130.50): VY001845.D (-1175) (-)

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

Time-->





#45

1,2-Dichloropropane

Concen: 50.93 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

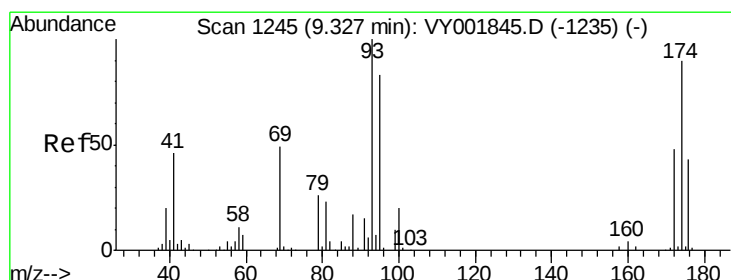
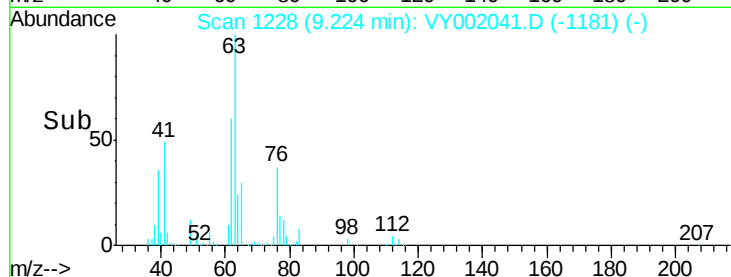
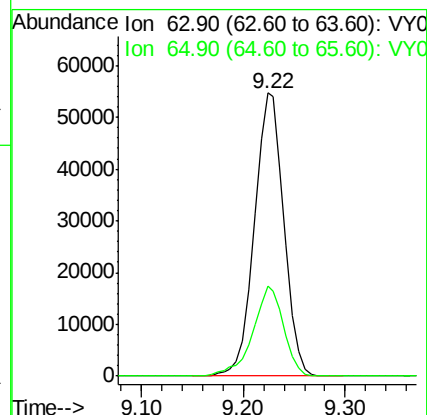
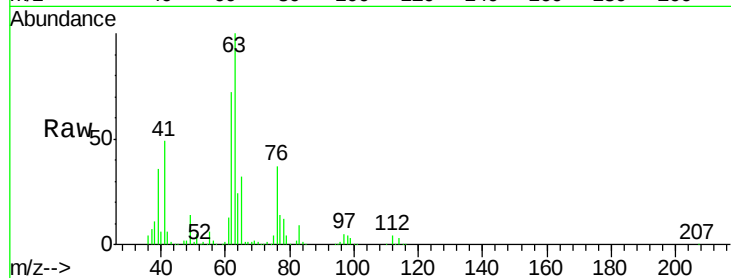
VSTDCCC050

Tgt Ion: 63 Resp: 109554

Ion Ratio Lower Upper

63 100

65 31.6 24.9 37.3



#46

Dibromomethane

Concen: 48.99 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

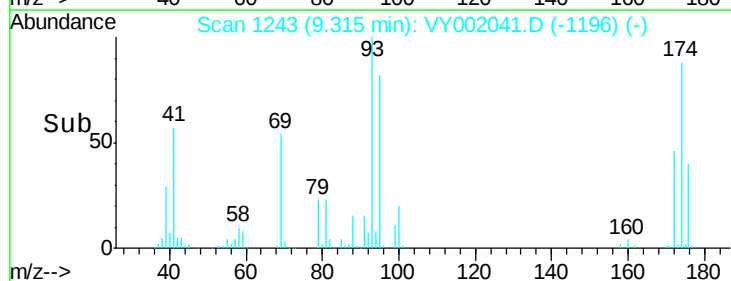
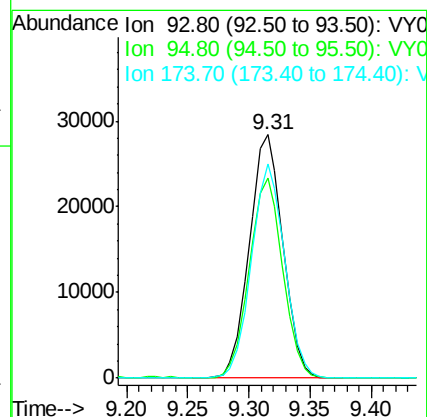
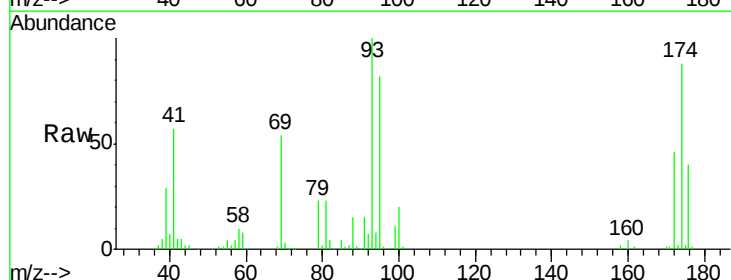
Tgt Ion: 93 Resp: 54305

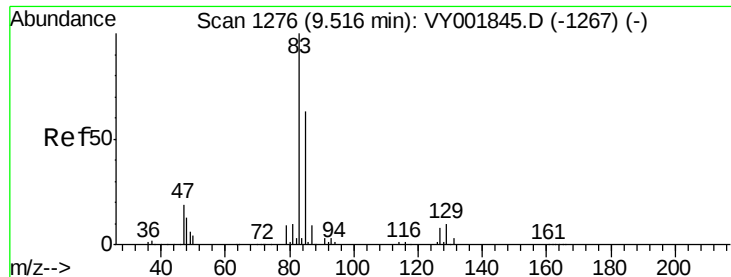
Ion Ratio Lower Upper

93 100

95 81.6 67.0 100.4

174 86.8 71.8 107.8

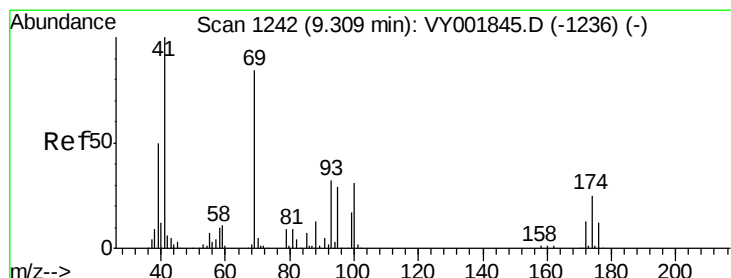
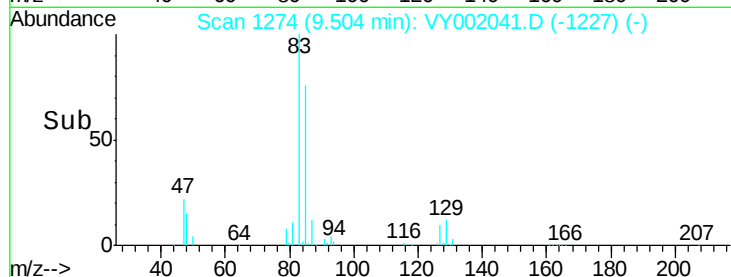
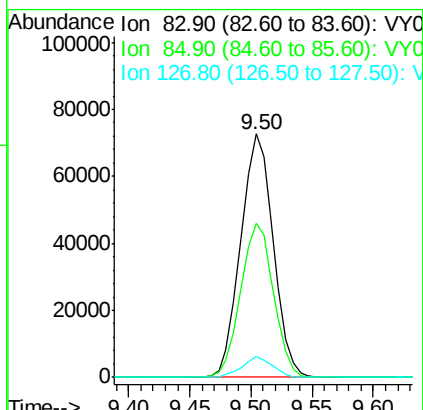
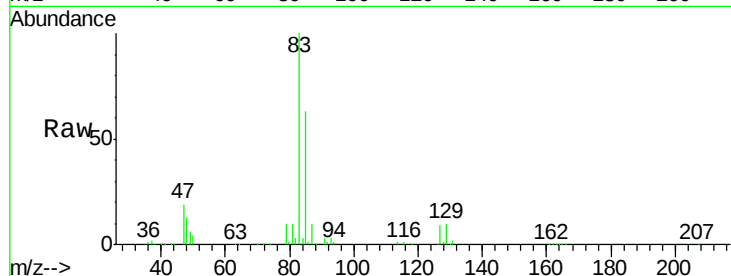




#47
 Bromodichloromethane
 Concen: 52.11 ug/l
 RT: 9.50 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

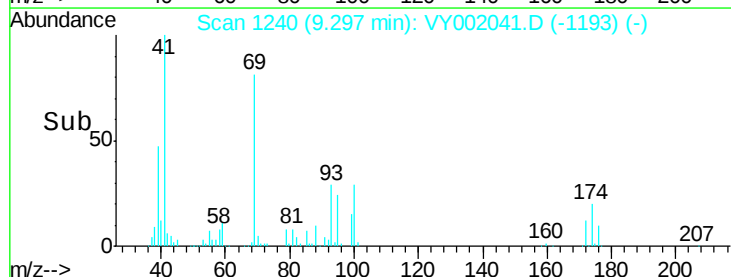
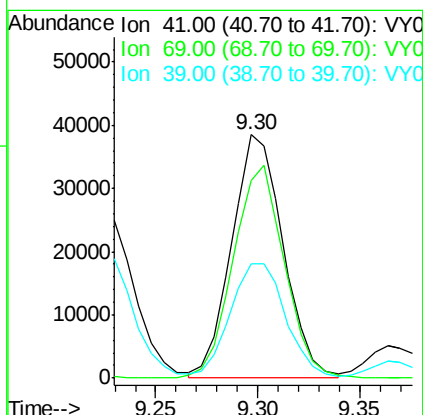
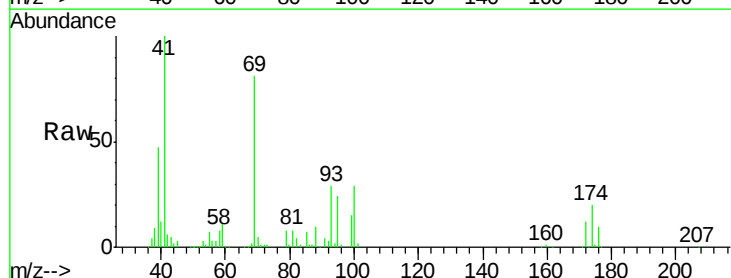
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

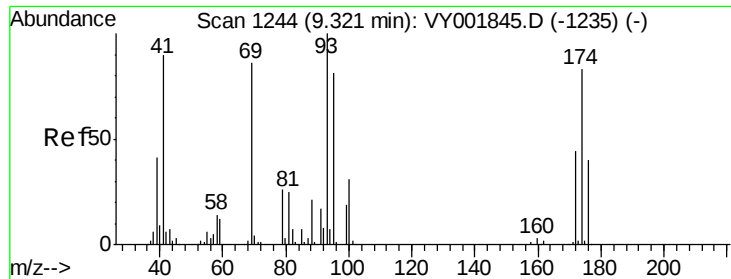
Tgt Ion: 83 Resp: 134363
 Ion Ratio Lower Upper
 83 100
 85 63.0 50.6 76.0
 127 8.5 6.2 9.4



#48
 Methyl methacrylate
 Concen: 47.83 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion: 41 Resp: 67428
 Ion Ratio Lower Upper
 41 100
 69 86.9 69.0 103.6
 39 48.7 39.1 58.7

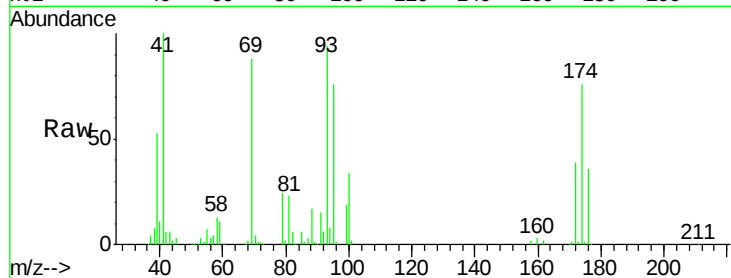




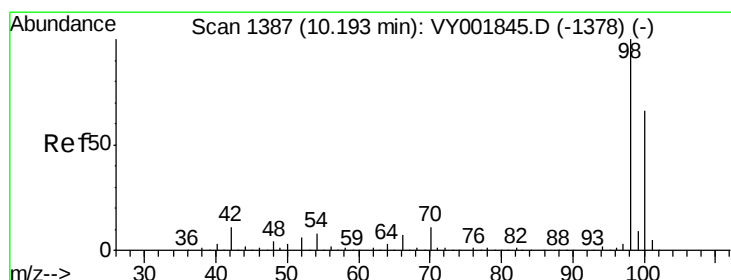
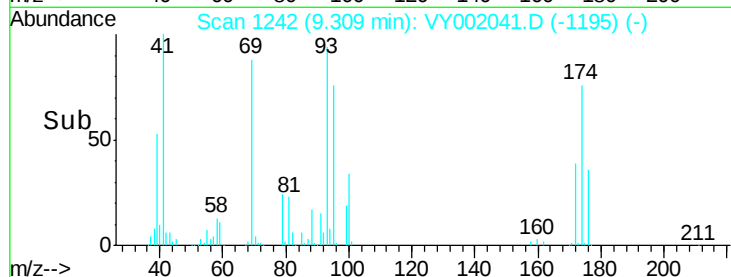
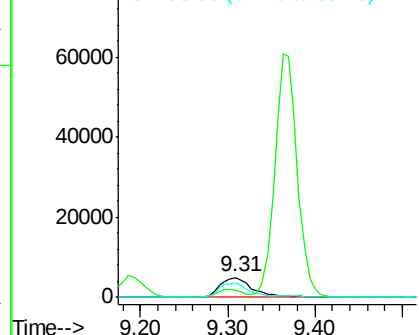
#49
1,4-Dioxane
Concen: 857.90 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 13031
Ion Ratio Lower Upper
88 100
43 31.7 25.0 37.6
58 73.6 58.9 88.3

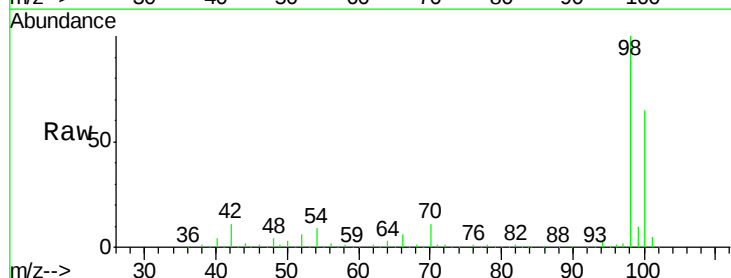


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

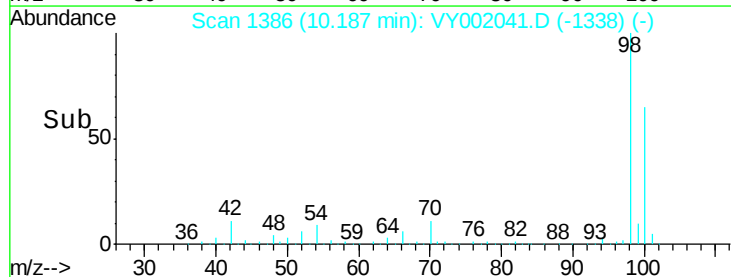
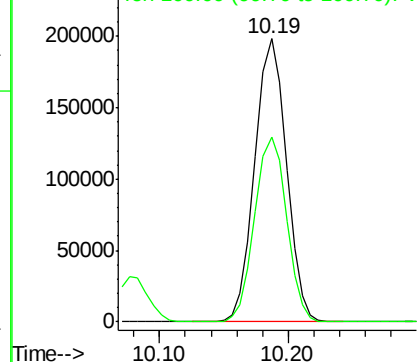


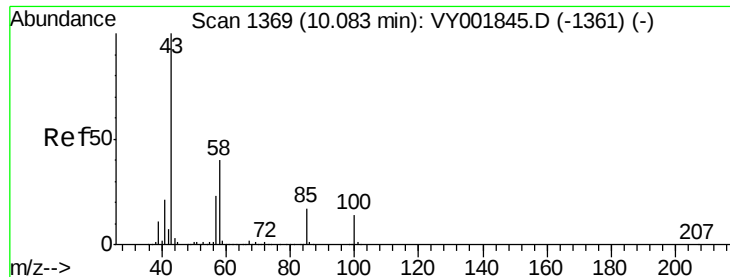
#50
Toluene-d8
Concen: 48.83 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

Tgt Ion: 98 Resp: 337295
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



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

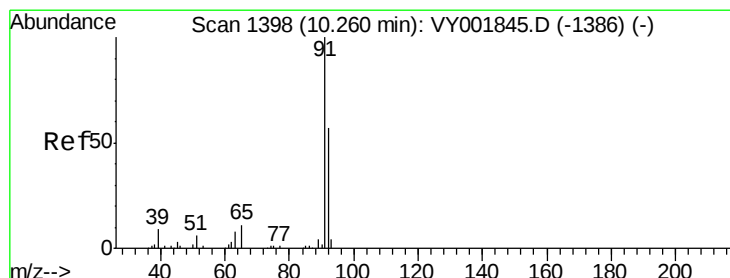
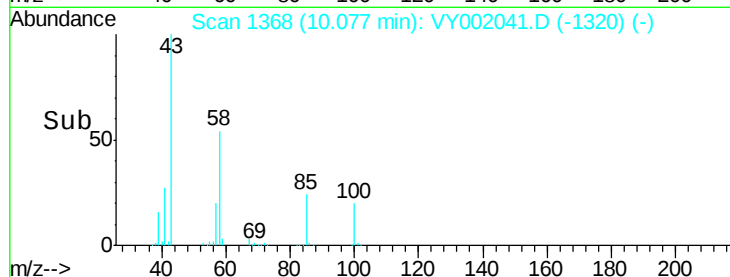
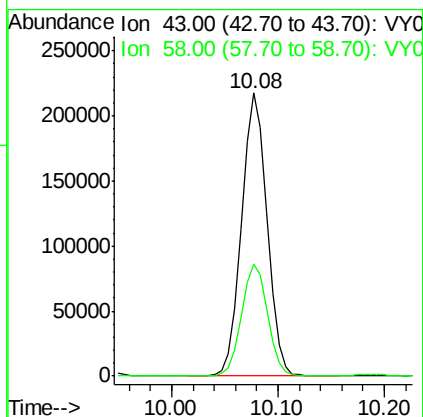
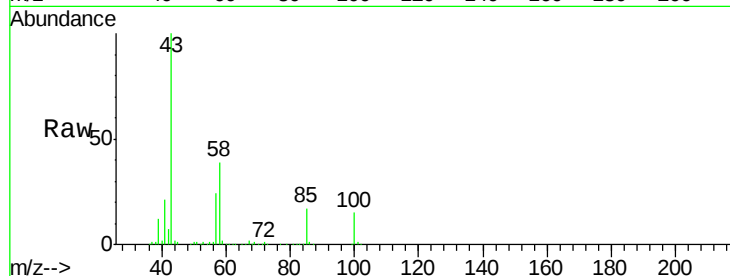




#51
4-Methyl-2-Pentanone
Concen: 223.96 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

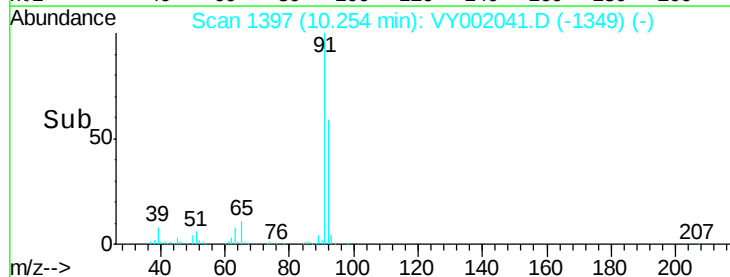
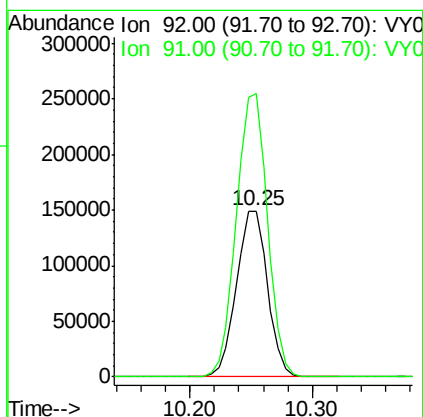
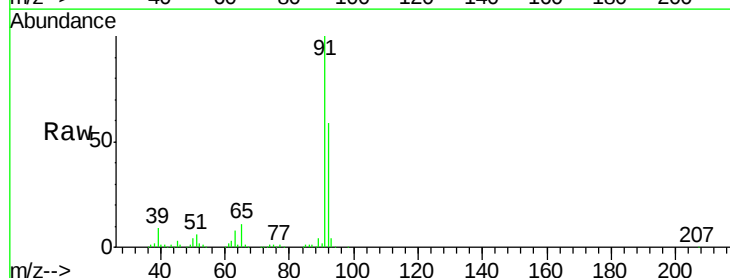
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

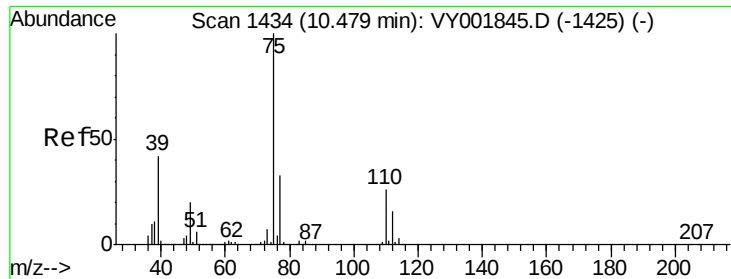
Tgt Ion: 43 Resp: 366468
Ion Ratio Lower Upper
43 100
58 40.2 32.0 48.0



#52
Toluene
Concen: 50.34 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

Tgt Ion: 92 Resp: 261689
Ion Ratio Lower Upper
92 100
91 171.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 51.22 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

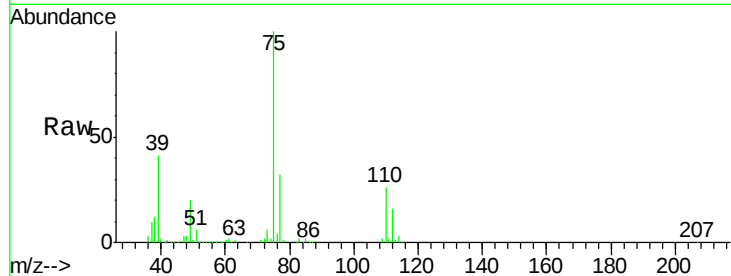
VSTDCCC050

Tgt Ion: 75 Resp: 143903

Ion Ratio Lower Upper

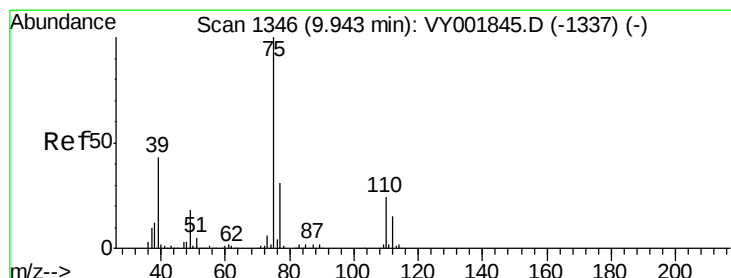
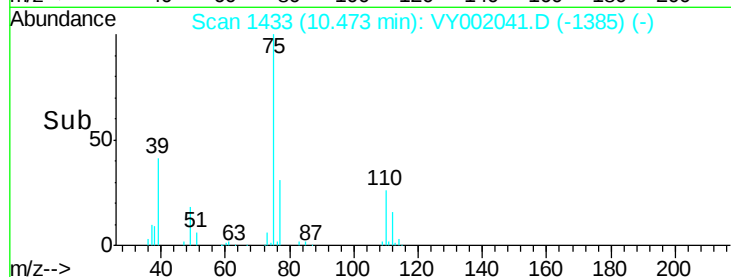
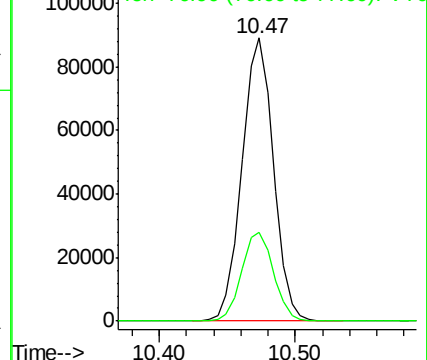
75 100

77 31.5 26.3 39.5



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 50.65 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

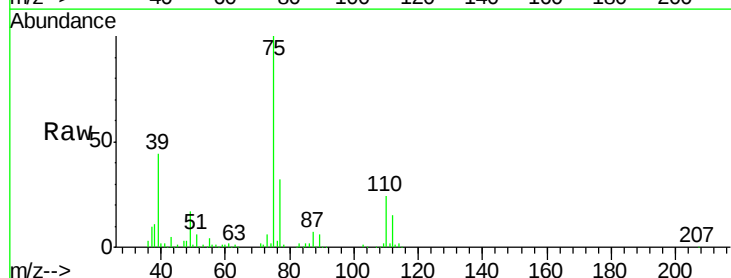
Tgt Ion: 75 Resp: 169409

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

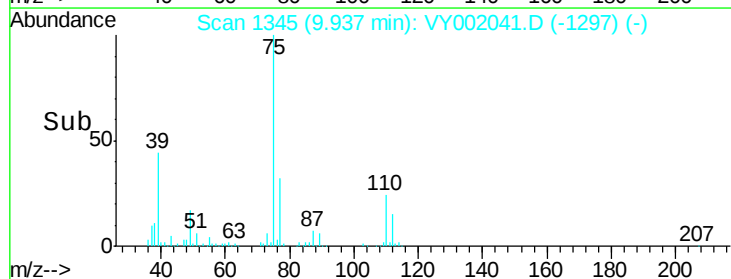
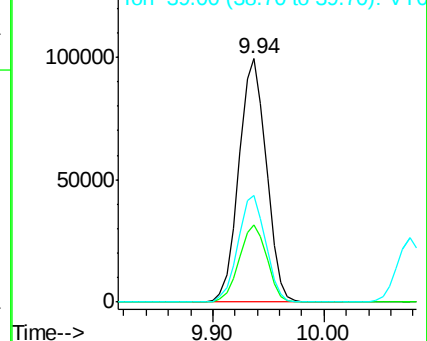
39 43.9 34.7 52.1

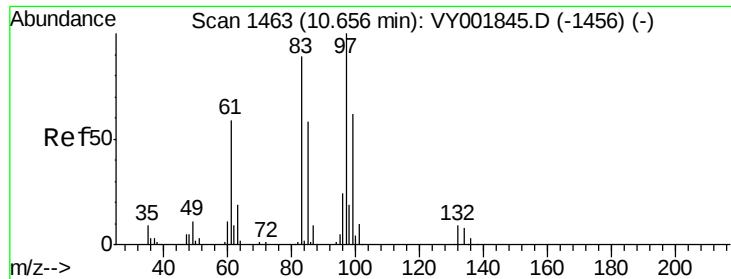


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 49.01 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 79511

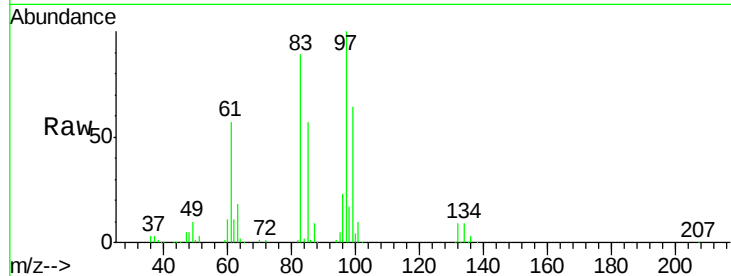
Ion Ratio Lower Upper

97 100

83 89.2 71.6 107.4

85 56.8 46.6 69.8

99 63.9 49.8 74.6

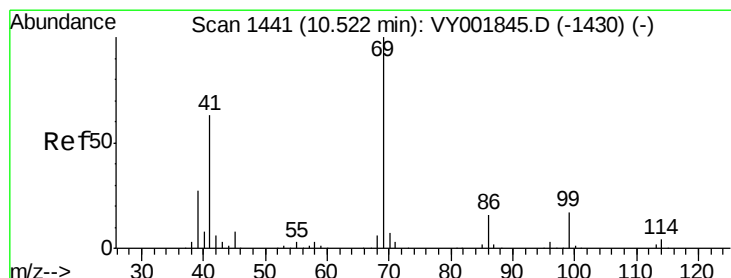
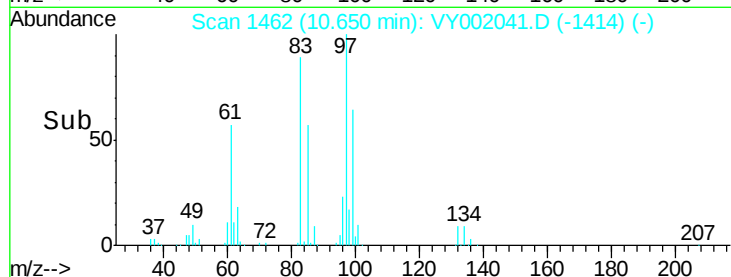
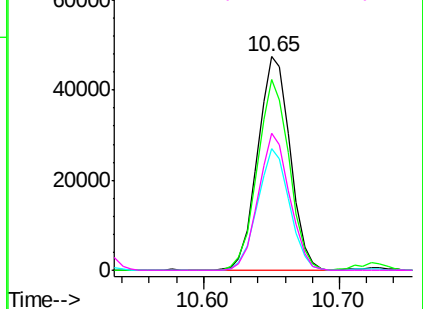


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 48.10 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

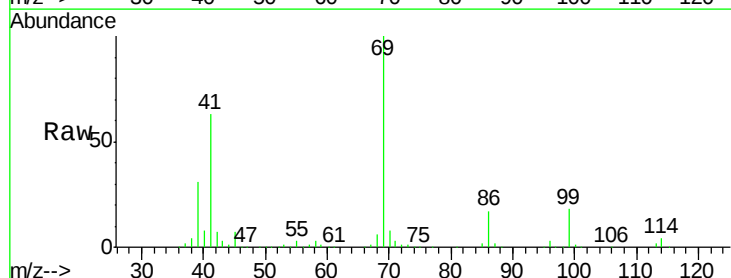
Tgt Ion: 69 Resp: 114379

Ion Ratio Lower Upper

69 100

41 63.5 49.9 74.9

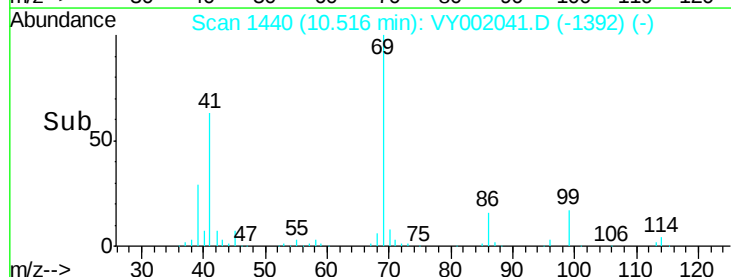
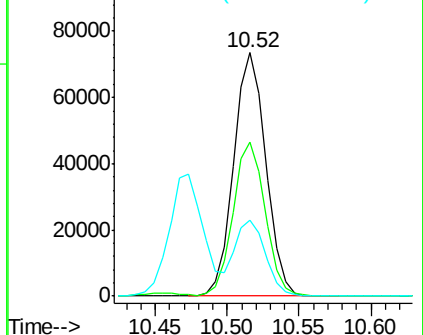
39 29.5 23.0 34.6



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

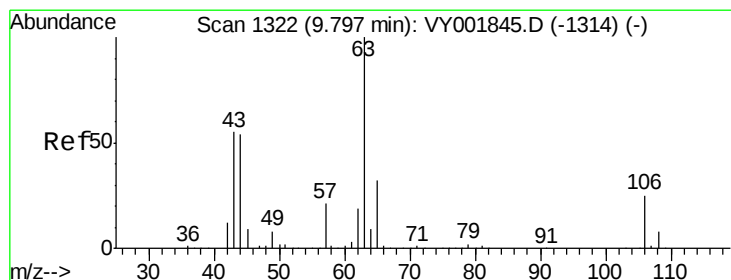
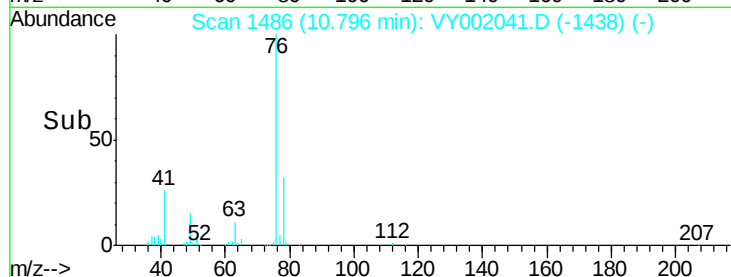
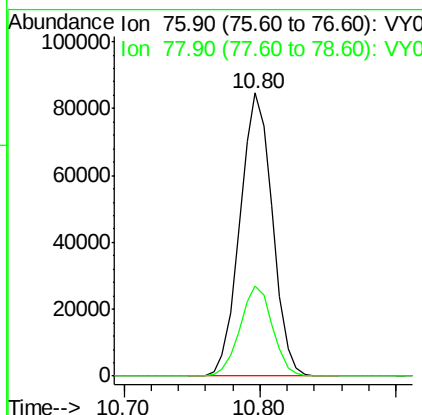
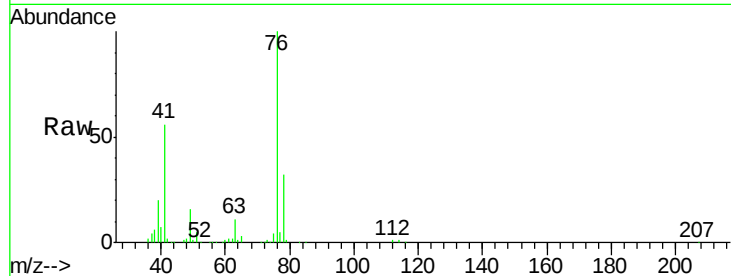




#57
 1,3-Dichloropropane
 Concen: 48.65 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

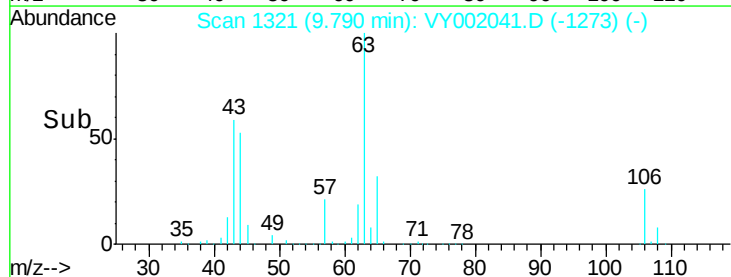
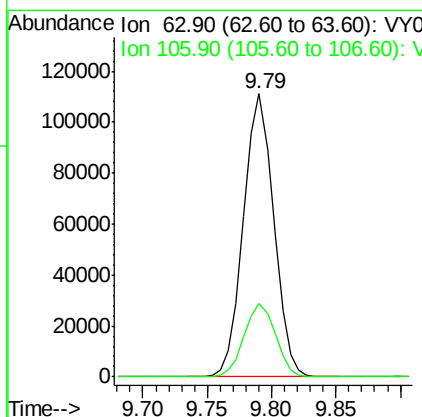
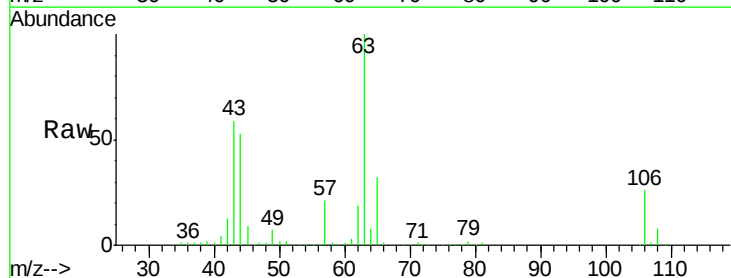
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

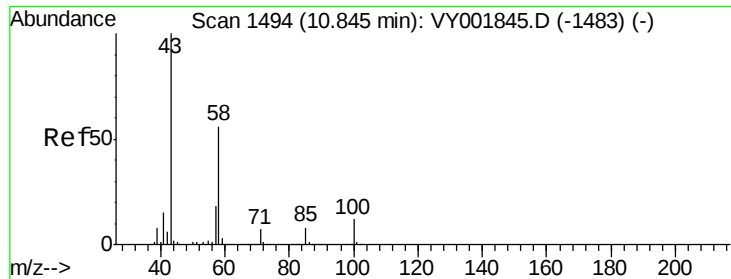
Tgt Ion: 76 Resp: 140695
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 212.91 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion: 63 Resp: 180950
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.3 31.9

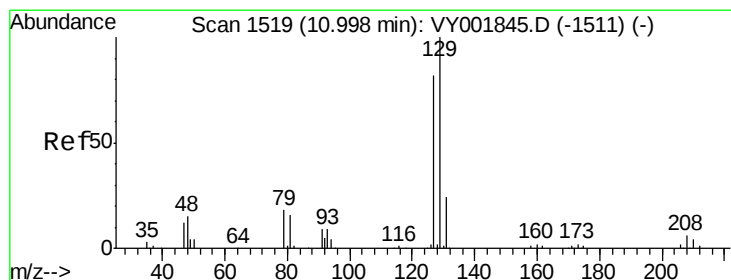
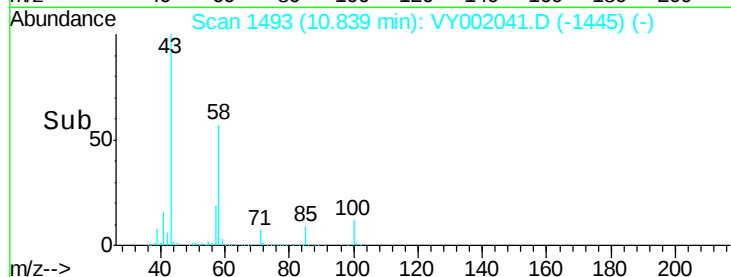
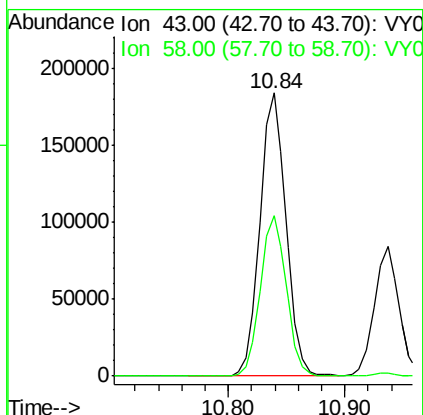
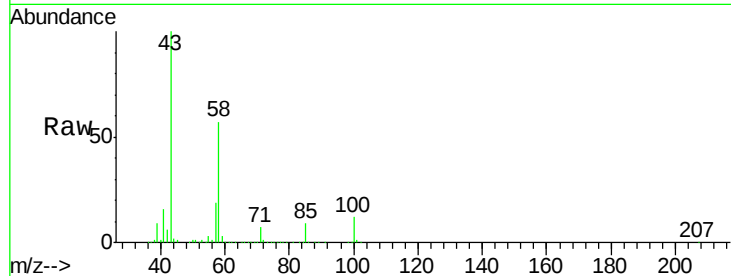




#59
2-Hexanone
Concen: 246.28 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

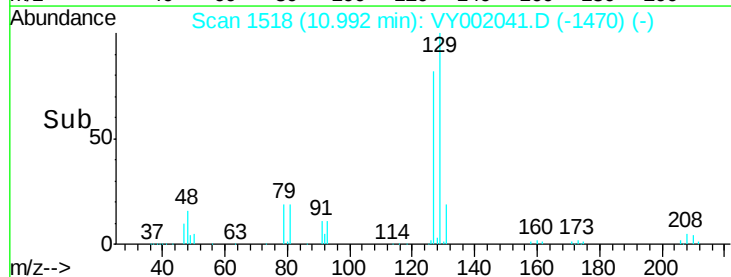
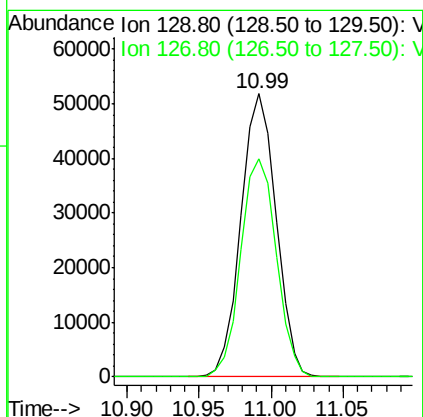
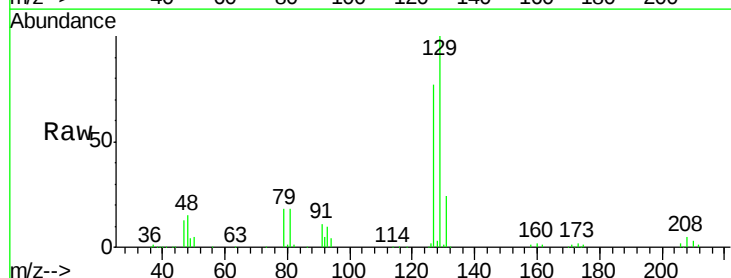
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

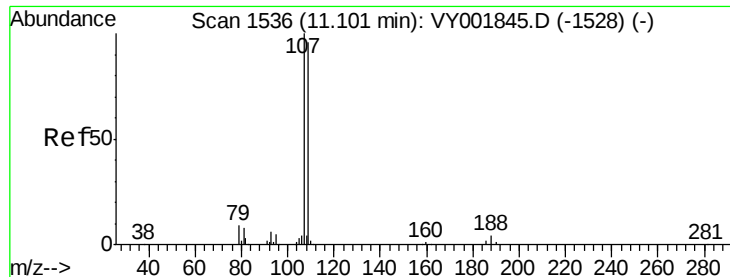
Tgt Ion: 43 Resp: 287627
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.3



#60
Dibromochloromethane
Concen: 51.38 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

Tgt Ion: 129 Resp: 87830
Ion Ratio Lower Upper
129 100
127 77.8 39.0 117.0

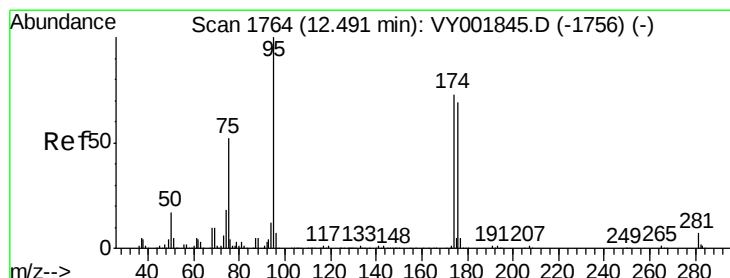
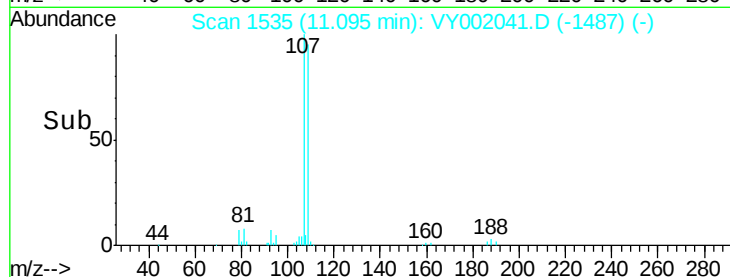
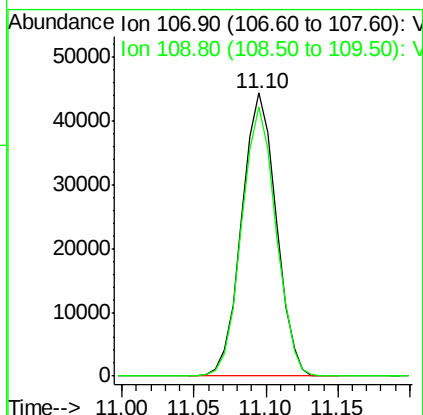
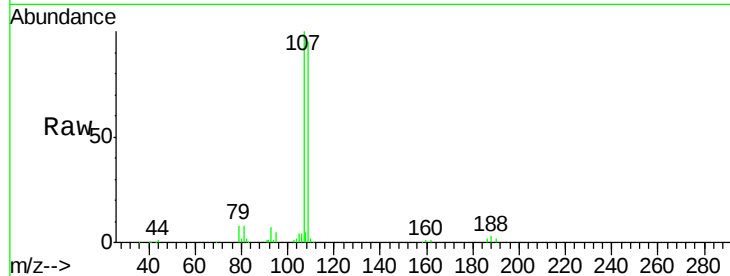




#61
 1,2-Dibromoethane
 Concen: 47.83 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

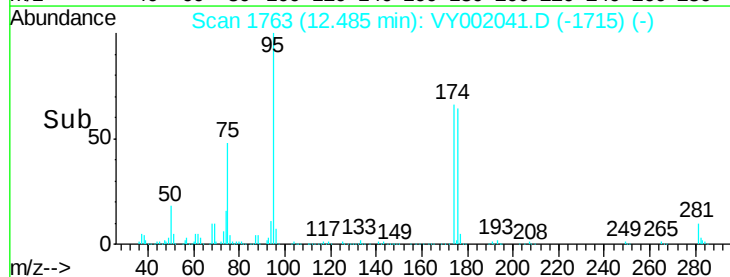
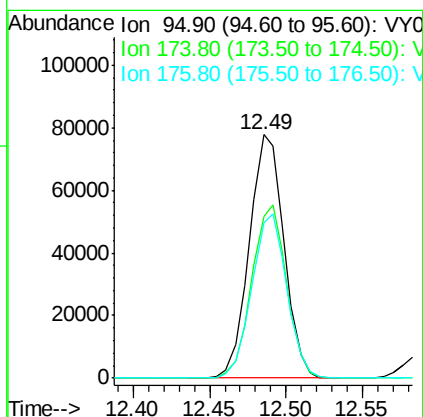
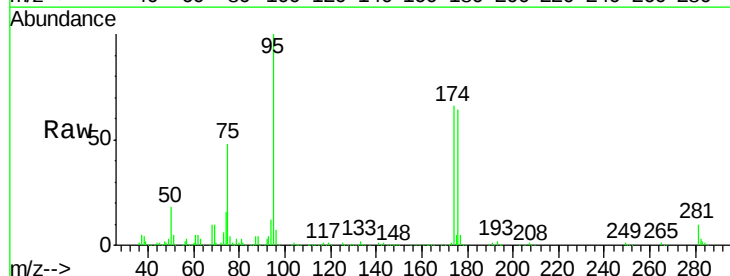
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

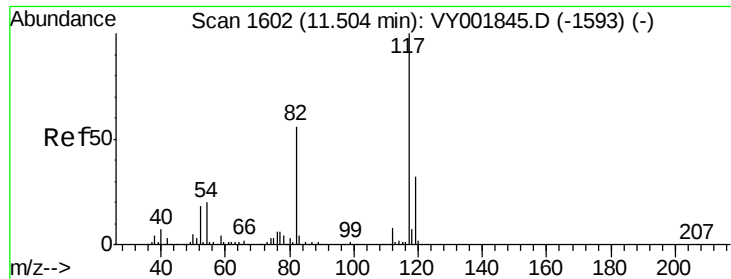
Tgt Ion: 107 Resp: 73503
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 51.04 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion: 95 Resp: 122594
 Ion Ratio Lower Upper
 95 100
 174 71.3 0.0 145.0
 176 68.1 0.0 137.4

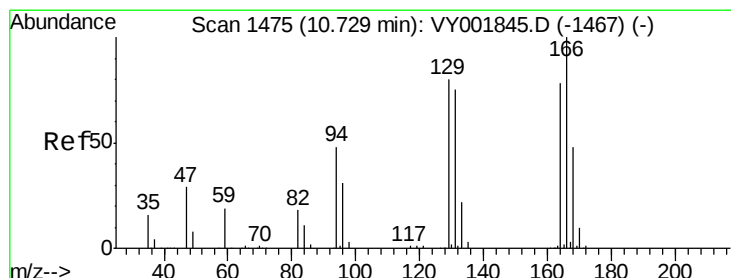
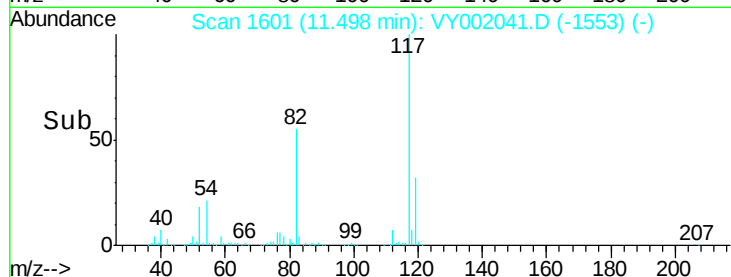
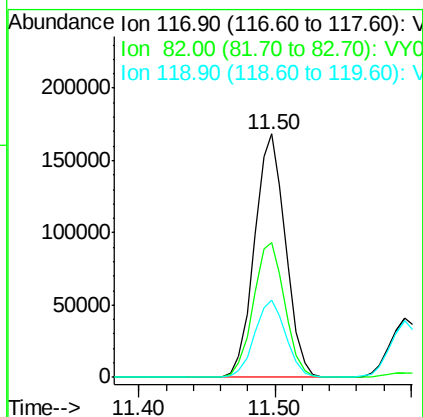
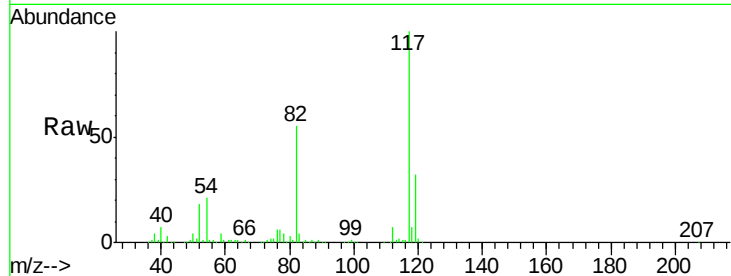




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

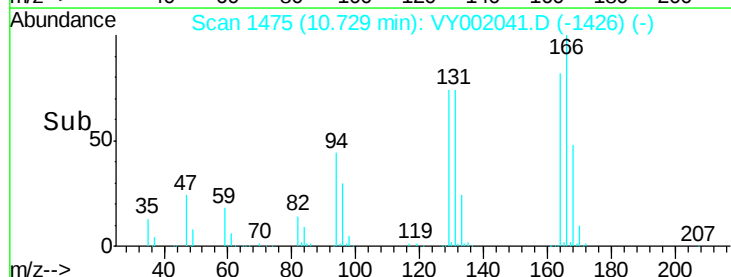
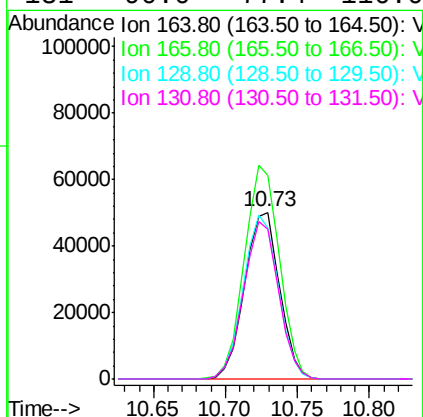
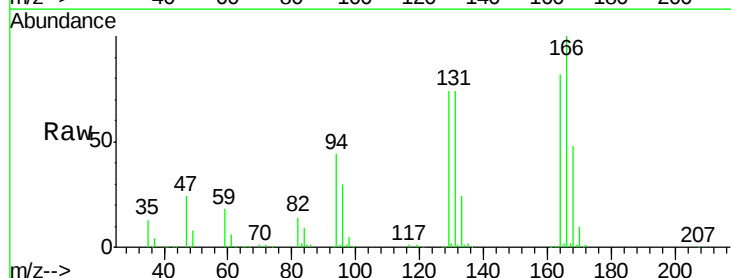
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 269184
Ion Ratio Lower Upper
117 100
82 55.2 44.5 66.7
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 49.84 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

Tgt Ion:164 Resp: 84130
Ion Ratio Lower Upper
164 100
166 122.3 102.6 154.0
129 90.6 82.3 123.5
131 90.0 77.4 116.0

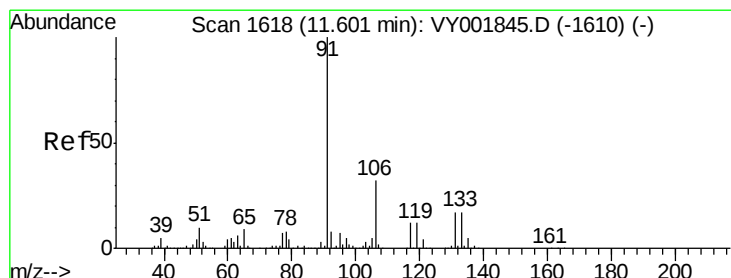
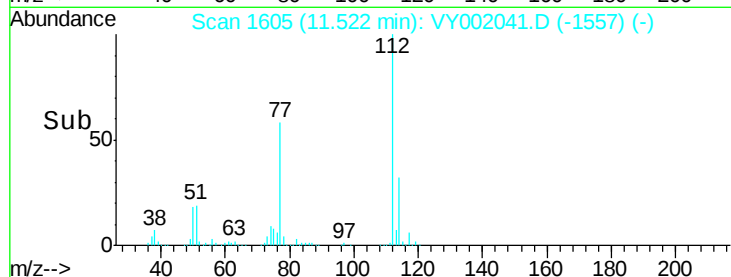
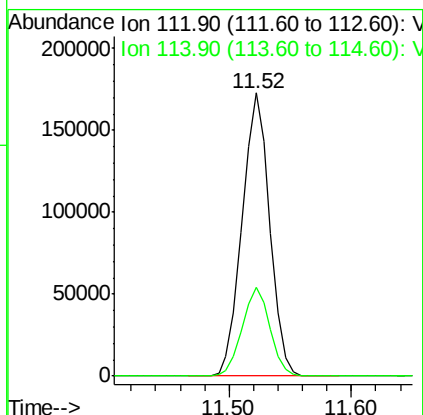
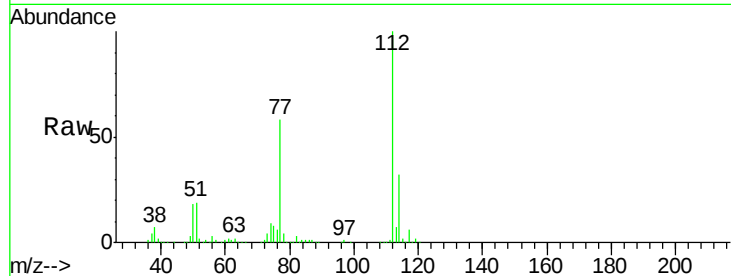




#65
Chlorobenzene
Concen: 50.30 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

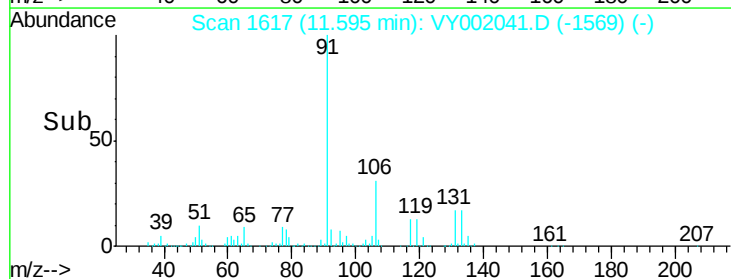
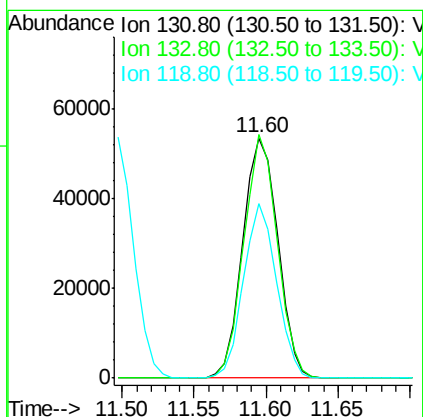
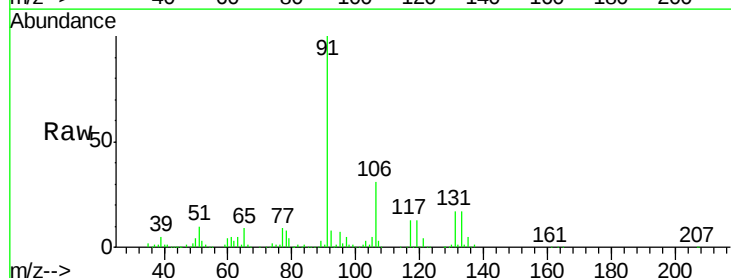
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

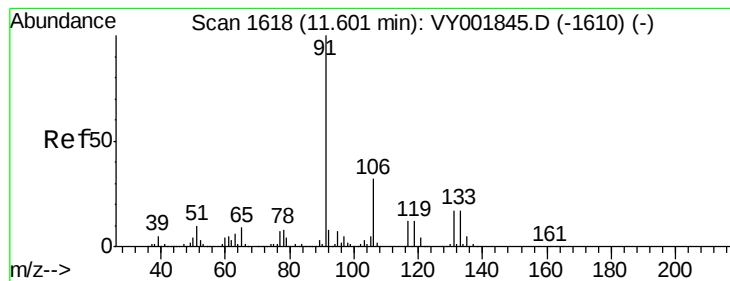
Tgt Ion:112 Resp: 269771
Ion Ratio Lower Upper
112 100
114 31.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.46 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

Tgt Ion:131 Resp: 90511
Ion Ratio Lower Upper
131 100
133 96.6 47.1 141.3
119 68.4 34.5 103.6





#67

Ethyl Benzene

Concen: 50.29 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

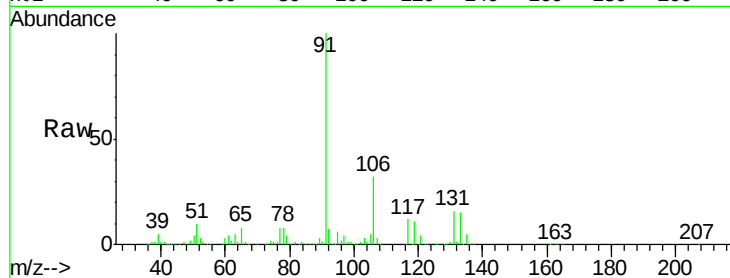
VSTDCCC050

Tgt Ion: 91 Resp: 503013

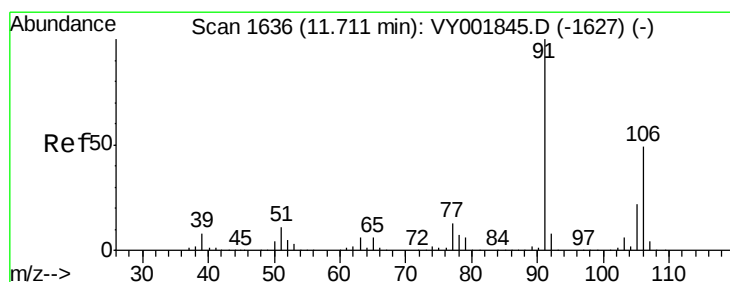
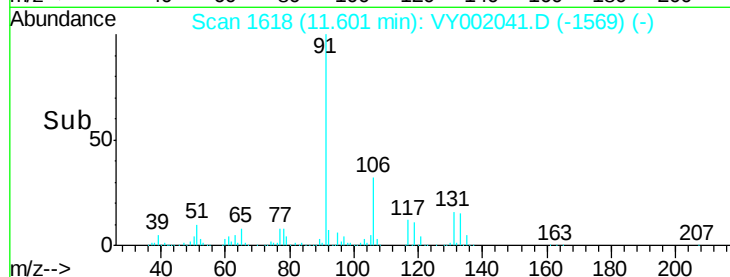
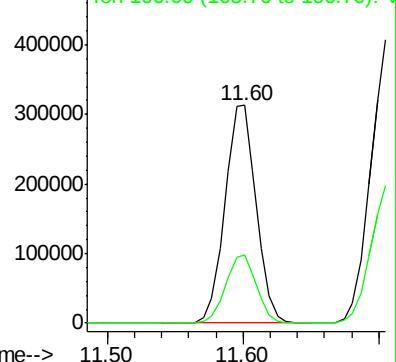
Ion Ratio Lower Upper

91 100

106 31.5 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1610) (-)



#68

m/p-Xylenes

Concen: 100.75 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY002041.D

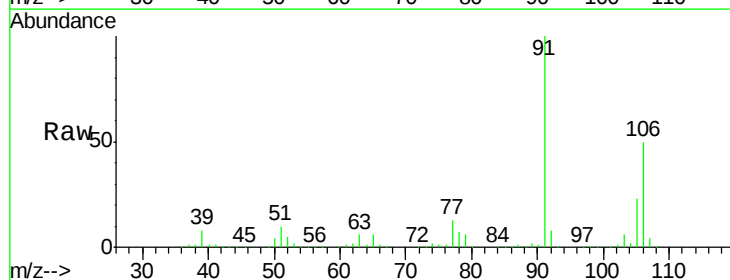
Acq: 24 Mar 2020 10:37

Tgt Ion:106 Resp: 372588

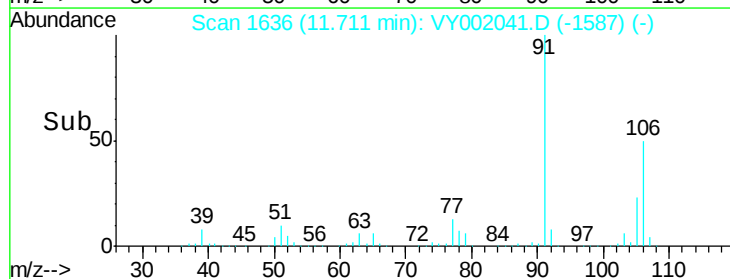
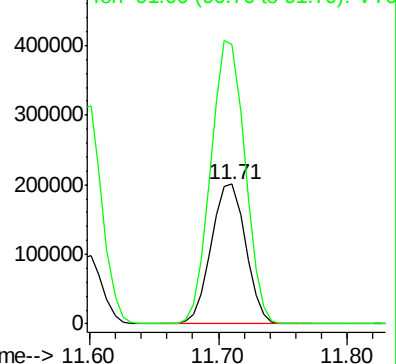
Ion Ratio Lower Upper

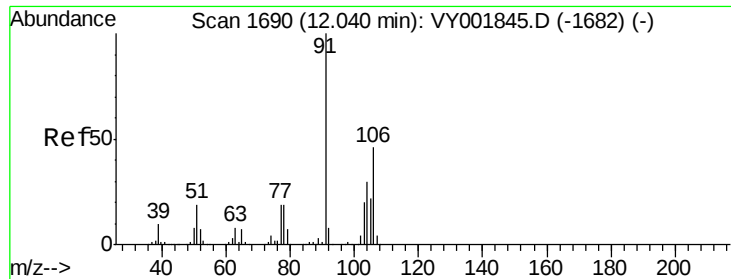
106 100

91 201.6 161.3 241.9



Abundance Ion 106.00 (105.70 to 106.70): VY001845.D (-1627) (-)

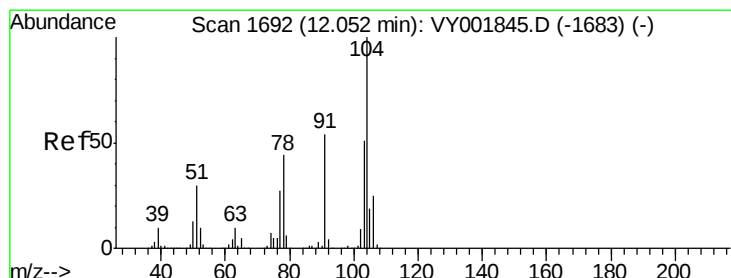
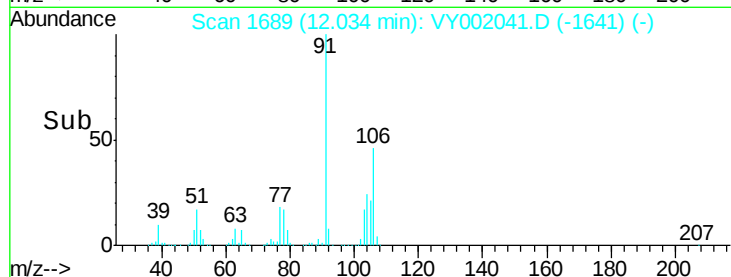
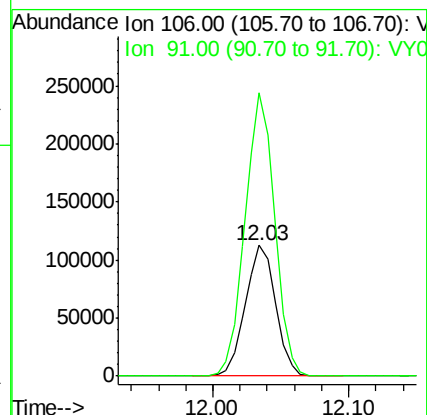
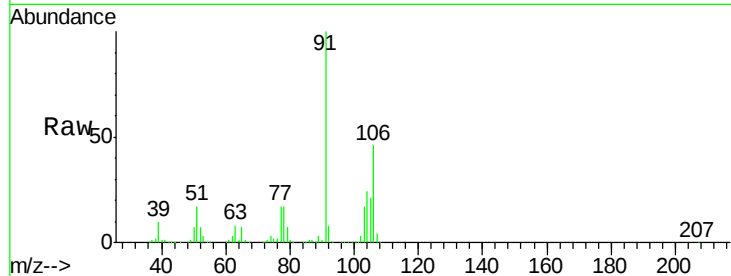




#69
o-Xylene
Concen: 50.29 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

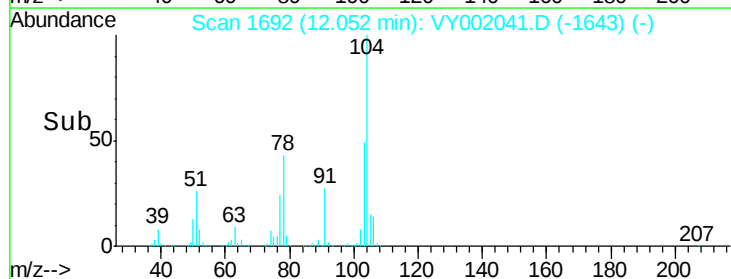
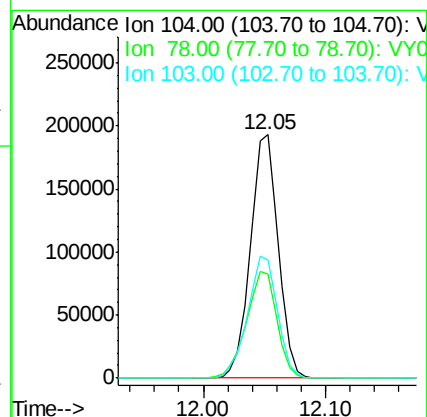
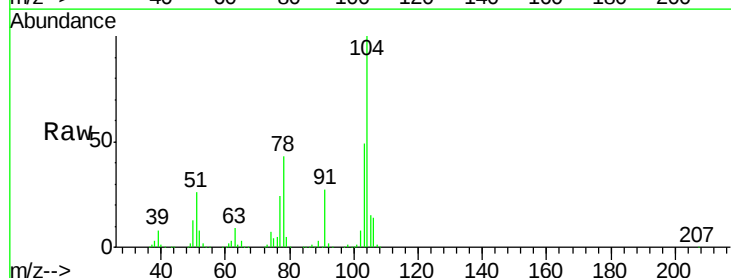
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 175289
Ion Ratio Lower Upper
106 100
91 212.2 106.8 320.4



#70
Styrene
Concen: 51.18 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY002041.D
Acq: 24 Mar 2020 10:37

Tgt Ion:104 Resp: 305540
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 54.0 42.9 64.3





#71

Bromoform

Concen: 50.28 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

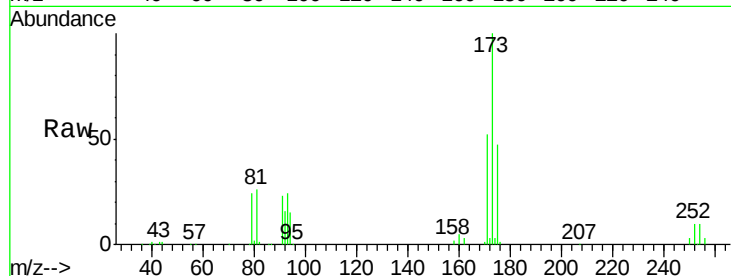
Tgt Ion:173 Resp: 47962

Ion Ratio Lower Upper

173 100

175 49.9 24.3 72.8

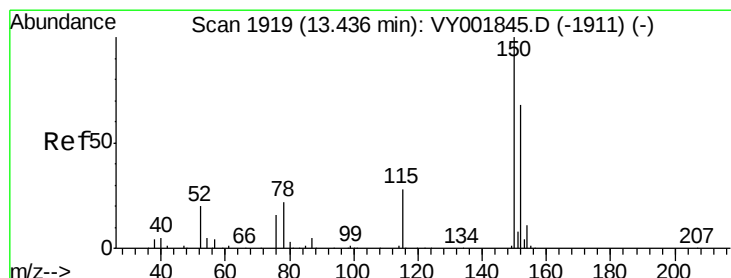
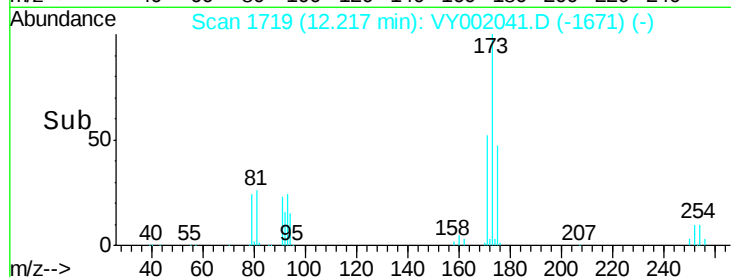
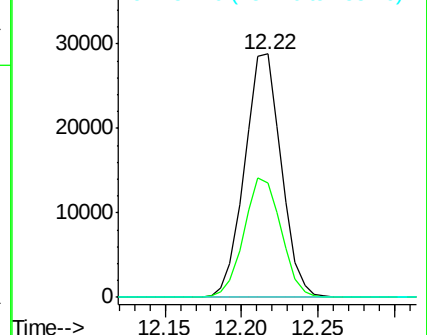
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

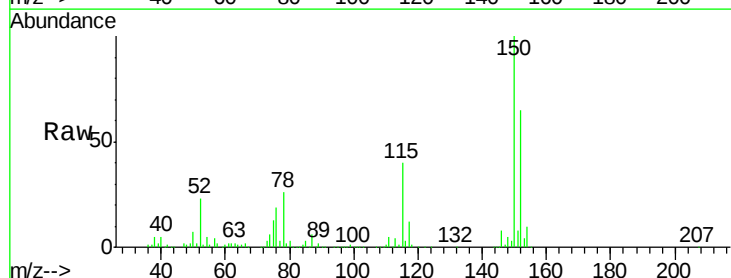
Tgt Ion:152 Resp: 123031

Ion Ratio Lower Upper

152 100

115 61.6 29.9 89.7

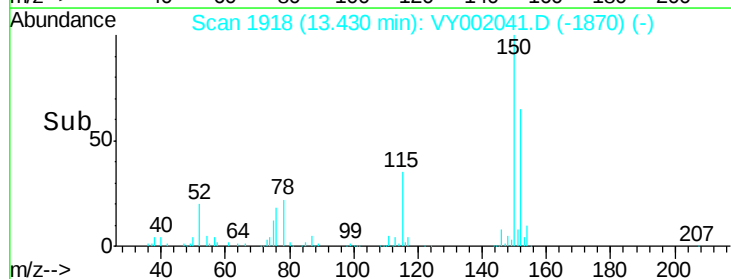
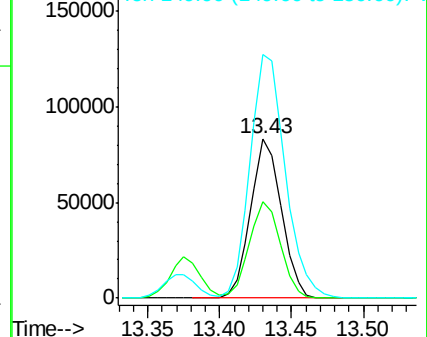
150 174.6 0.0 340.6



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: 51.22 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

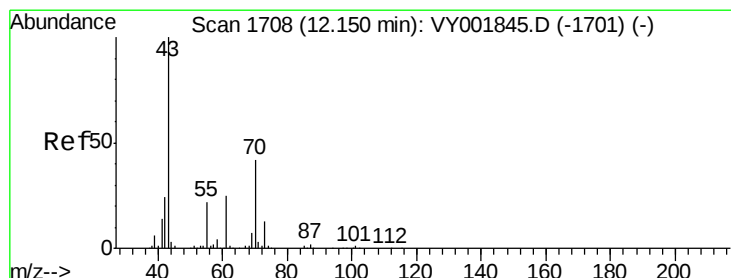
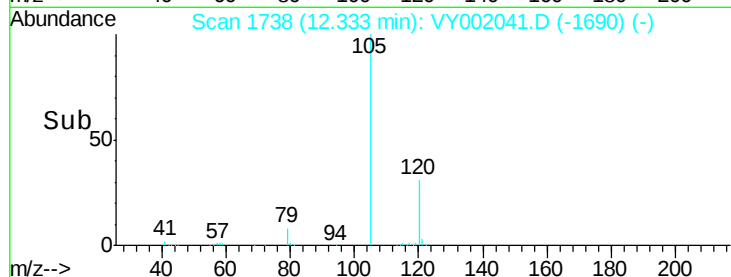
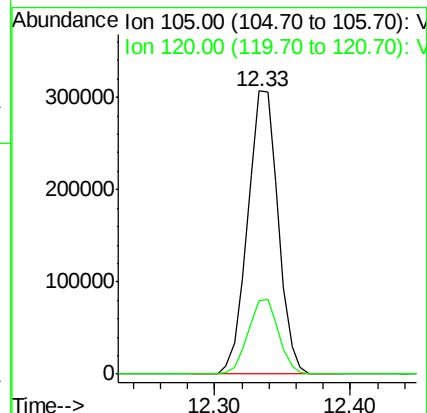
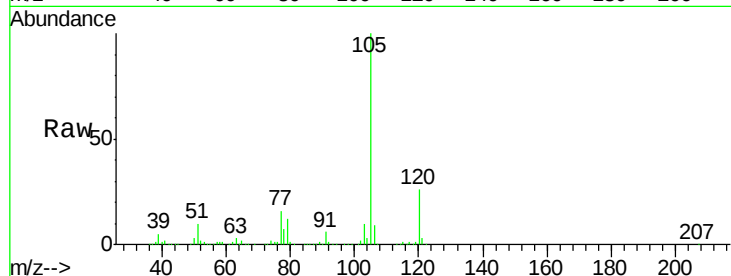
VSTDCCC050

Tgt Ion:105 Resp: 481061

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



#74

N-ethyl acetate

Concen: 46.56 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Tgt Ion: 43 Resp: 134397

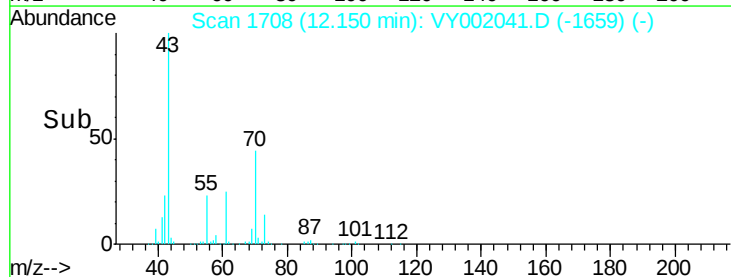
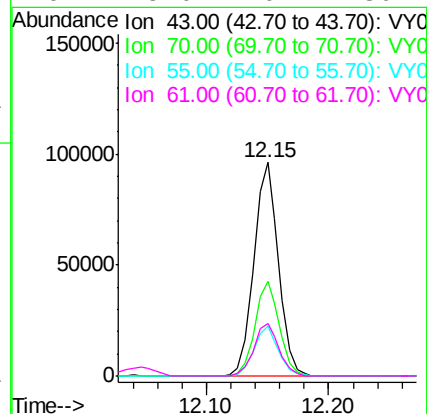
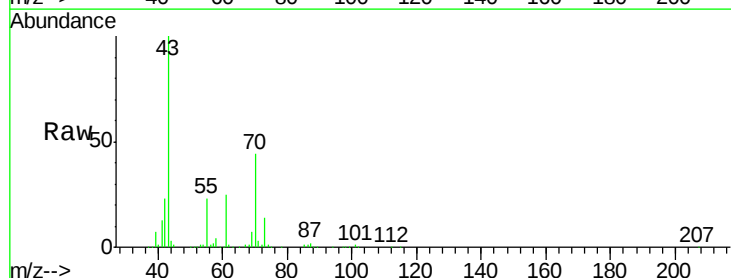
Ion Ratio Lower Upper

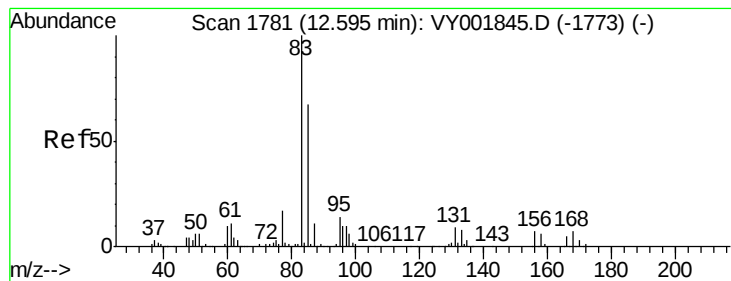
43 100

70 44.0 34.7 52.1

55 23.0 18.2 27.4

61 25.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.59 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

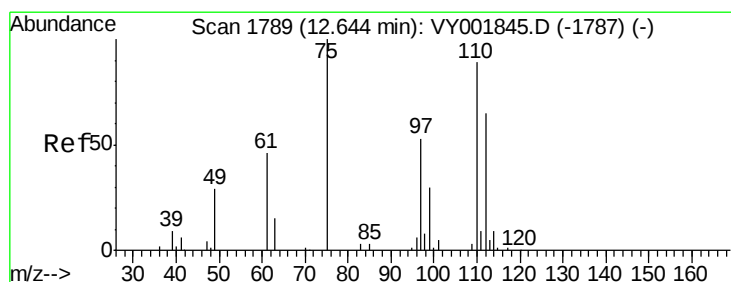
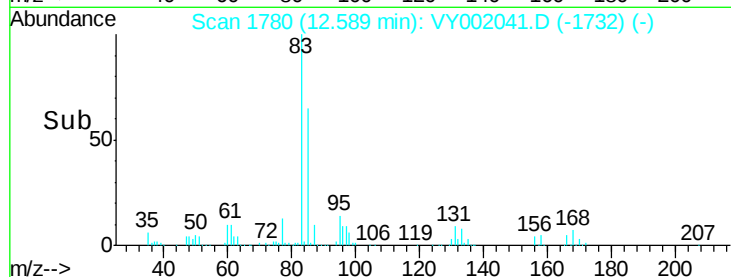
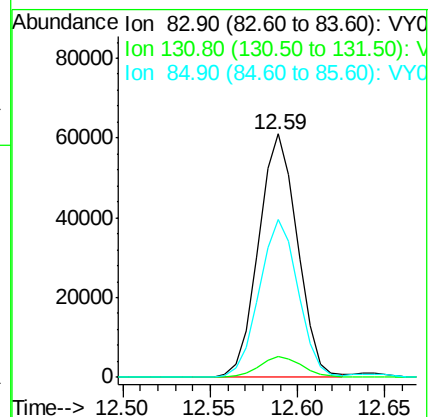
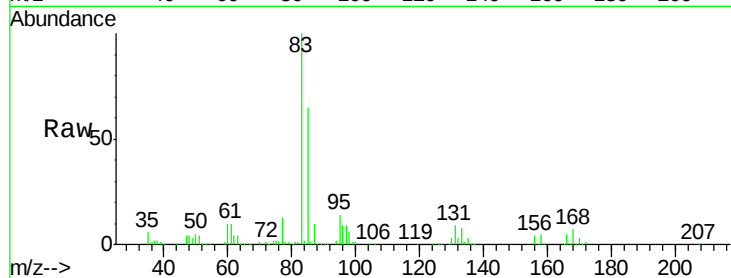
Tgt Ion: 83 Resp: 94370

Ion Ratio Lower Upper

83 100

131 9.6 4.6 13.8

85 64.7 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 84.25 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VY002041.D

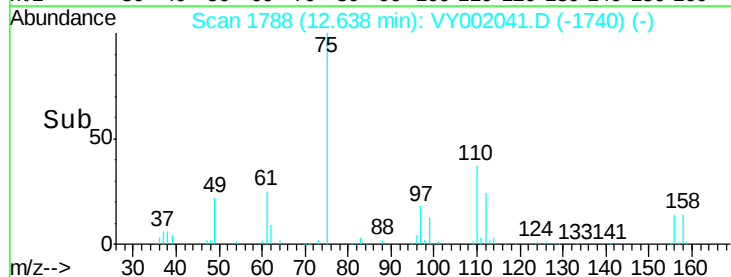
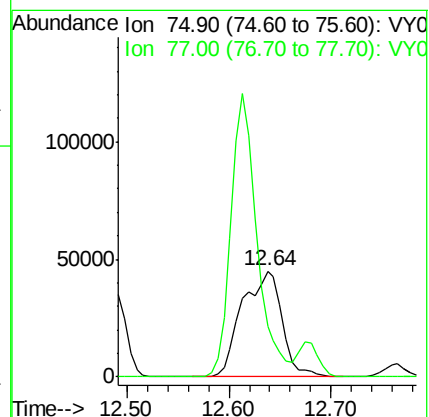
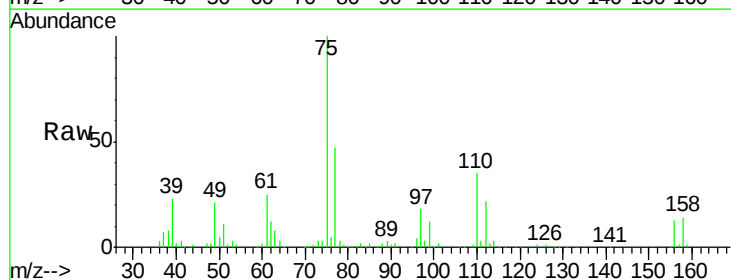
Acq: 24 Mar 2020 10:37

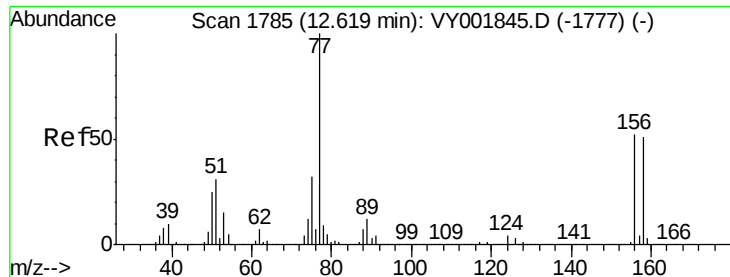
Tgt Ion: 75 Resp: 122985

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.06 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

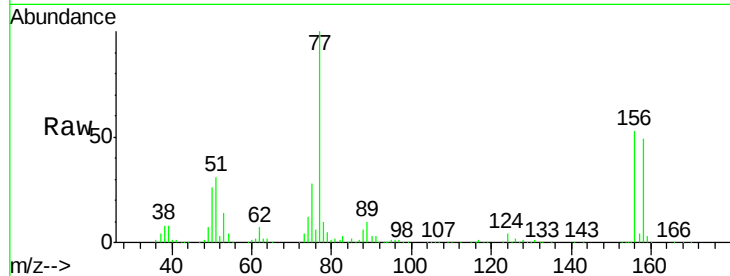
Tgt Ion:156 Resp: 101608

Ion Ratio Lower Upper

156 100

77 209.9 109.0 327.0

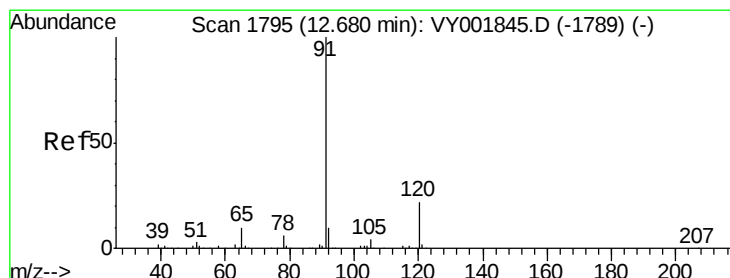
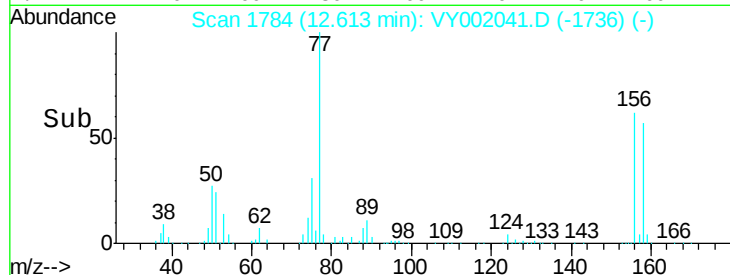
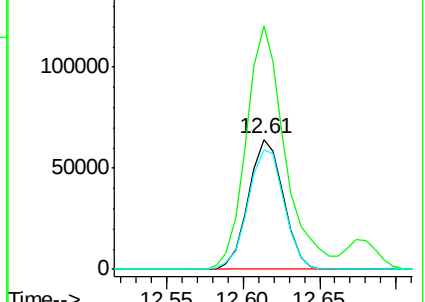
158 95.7 48.9 146.8



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: 51.24 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY002041.D

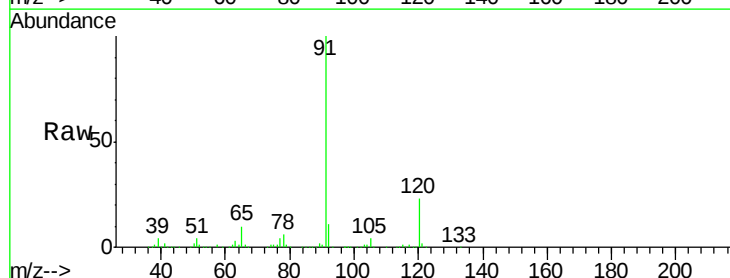
Acq: 24 Mar 2020 10:37

Tgt Ion: 91 Resp: 593739

Ion Ratio Lower Upper

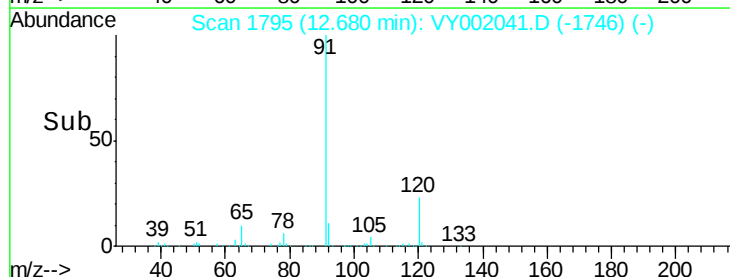
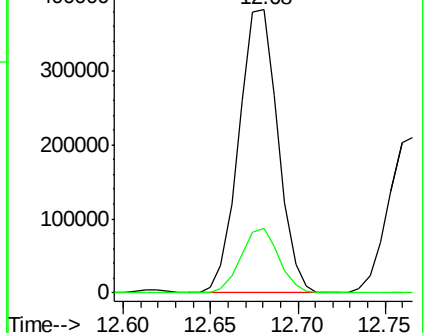
91 100

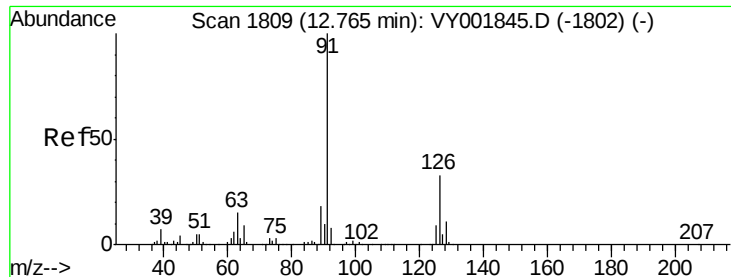
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

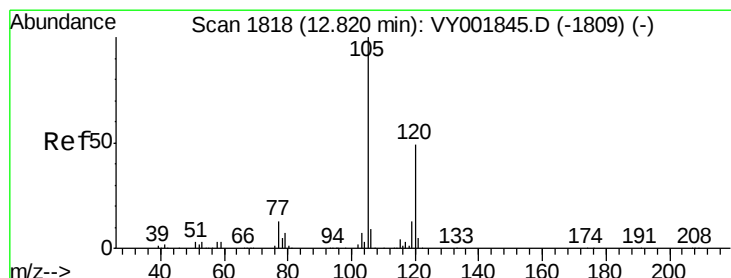
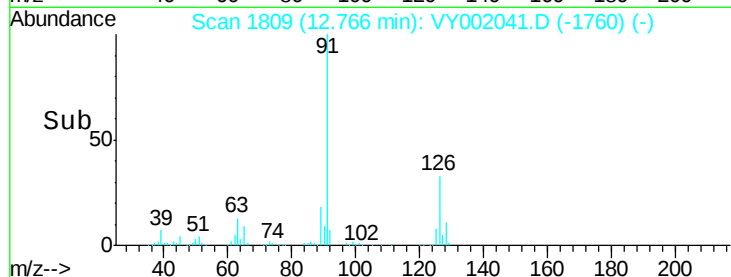
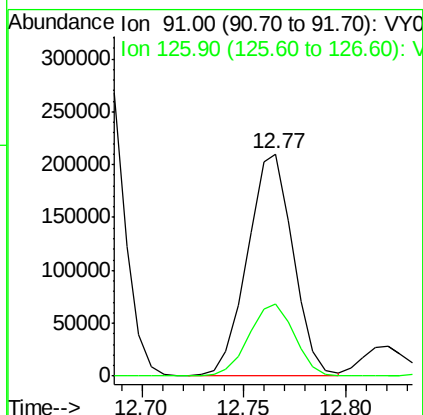
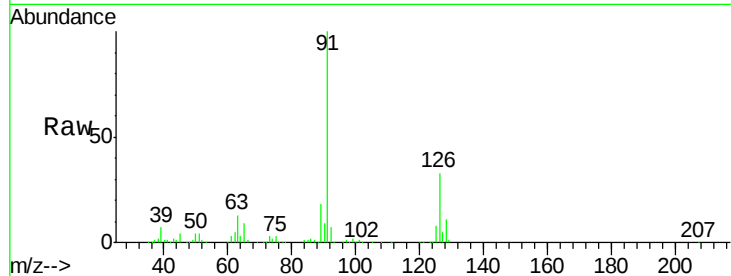




#79
 2-Chlorotoluene
 Concen: 51.10 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

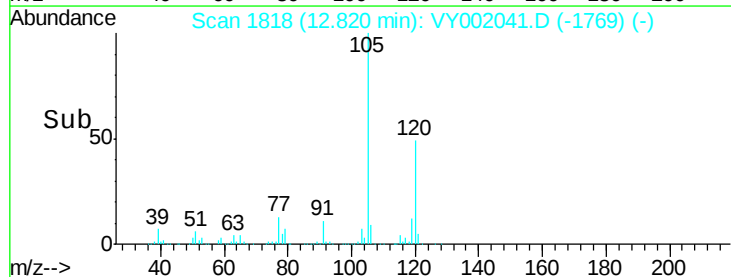
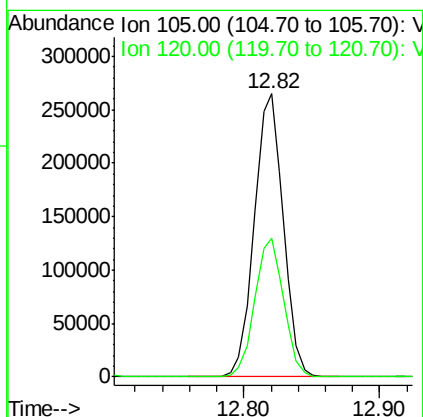
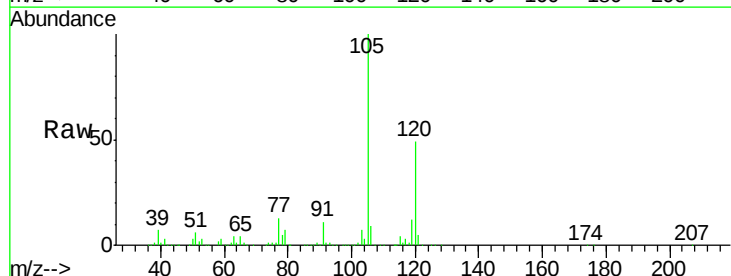
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

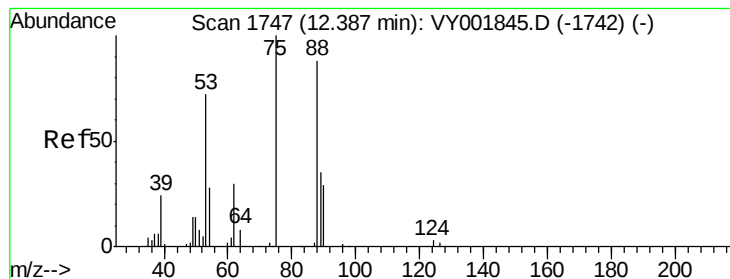
Tgt Ion: 91 Resp: 327101
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 51.16 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion: 105 Resp: 395587
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.41 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

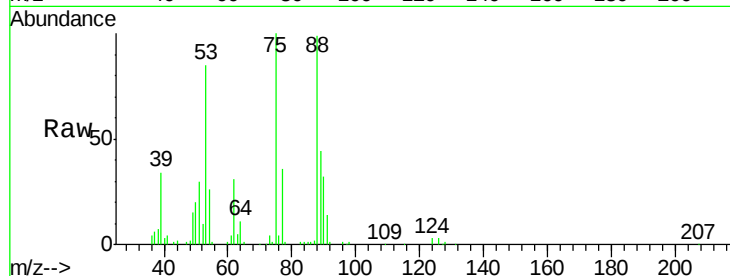
Tgt Ion: 75 Resp: 34984

Ion Ratio Lower Upper

75 100

53 81.3 65.4 98.0

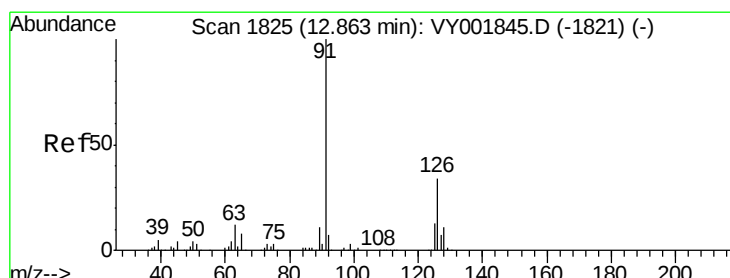
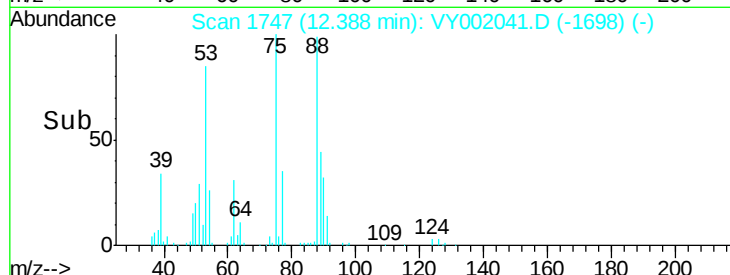
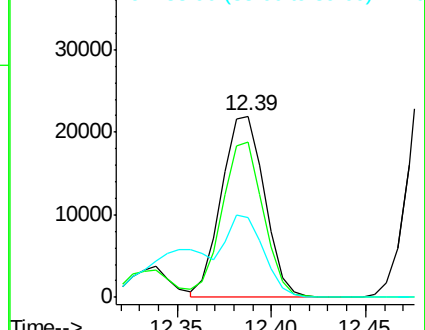
89 39.9 36.0 54.0



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: 50.88 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY002041.D

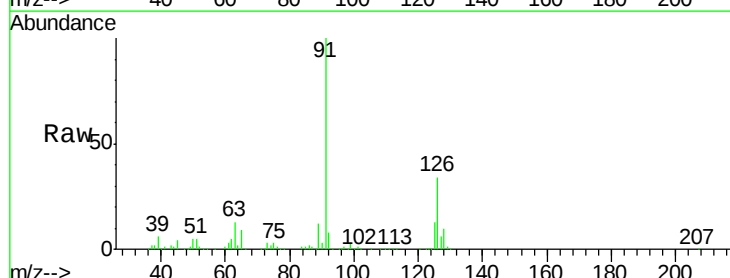
Acq: 24 Mar 2020 10:37

Tgt Ion: 91 Resp: 339104

Ion Ratio Lower Upper

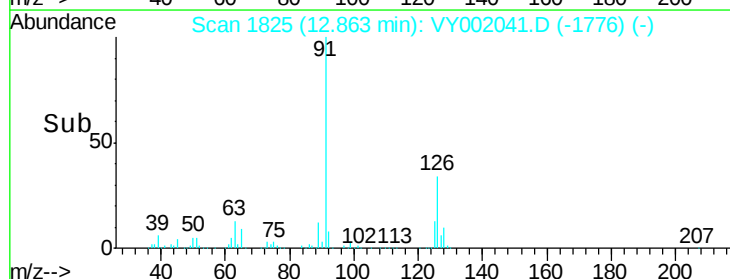
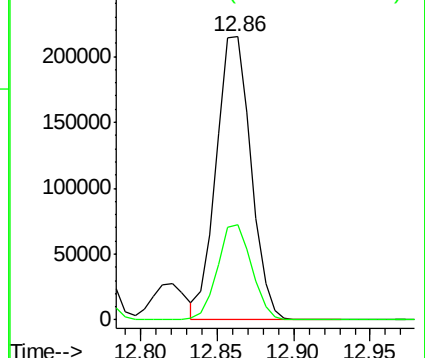
91 100

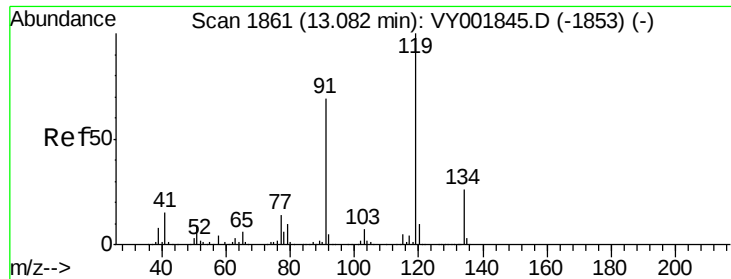
126 33.2 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

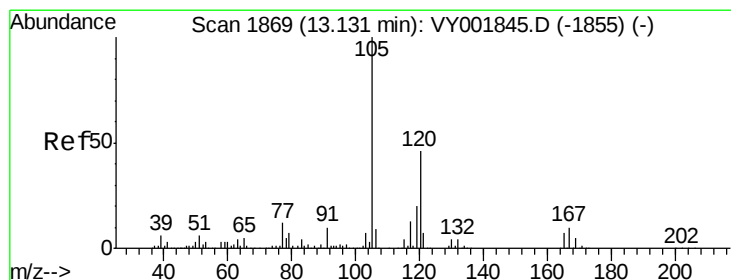
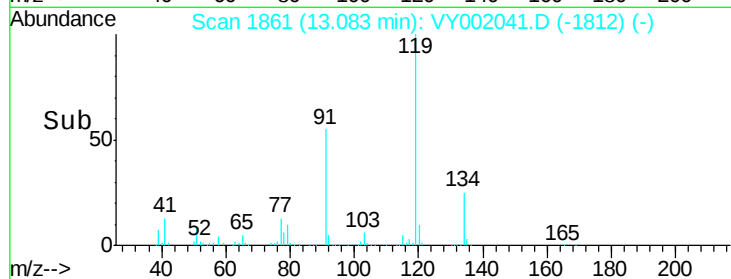
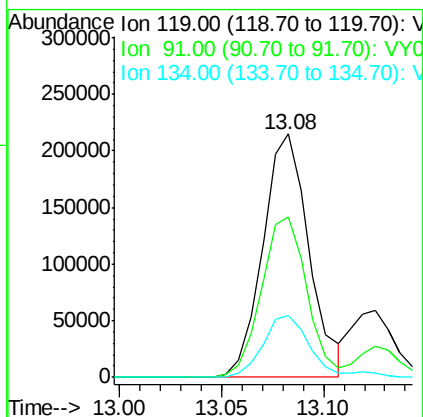
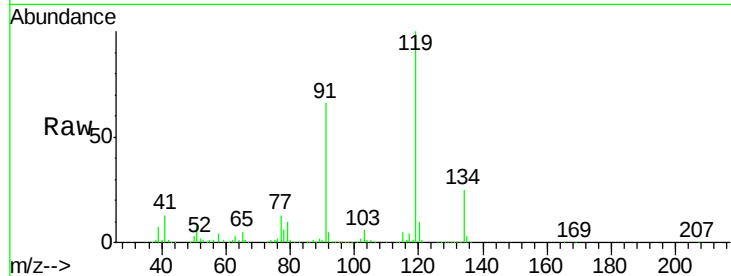




#83
 tert-Butylbenzene
 Concen: 52.84 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

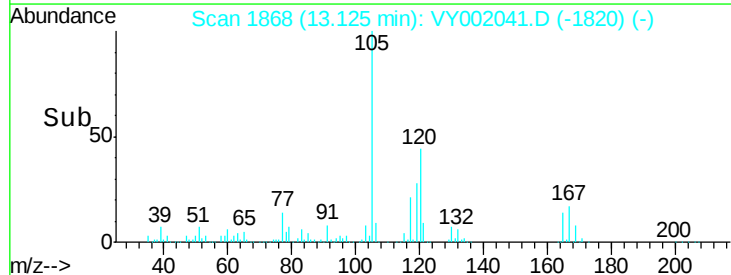
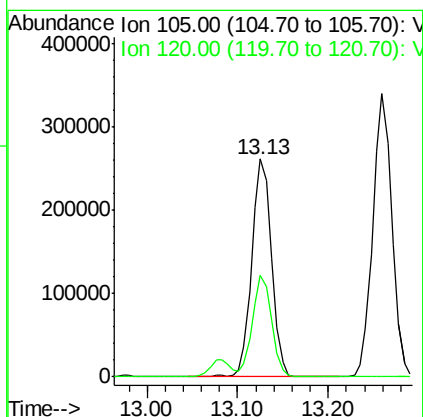
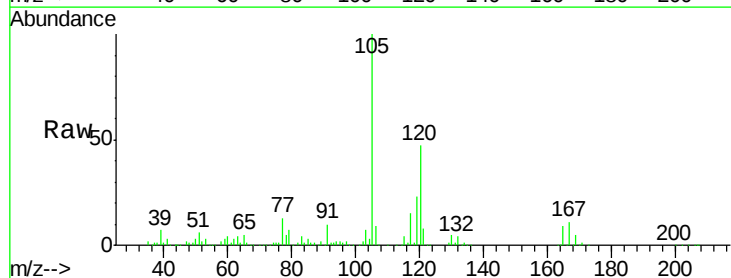
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

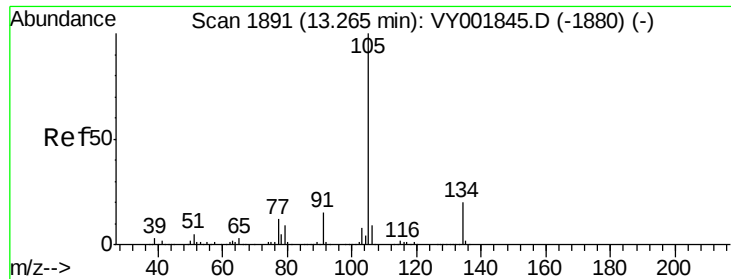
Tgt Ion:119 Resp: 339346
 Ion Ratio Lower Upper
 119 100
 91 64.8 34.0 101.8
 134 26.4 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 51.36 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion:105 Resp: 394067
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.7

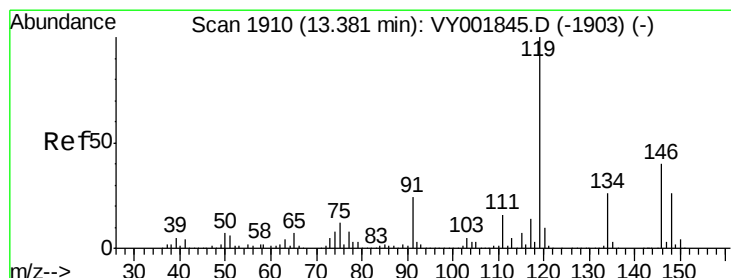
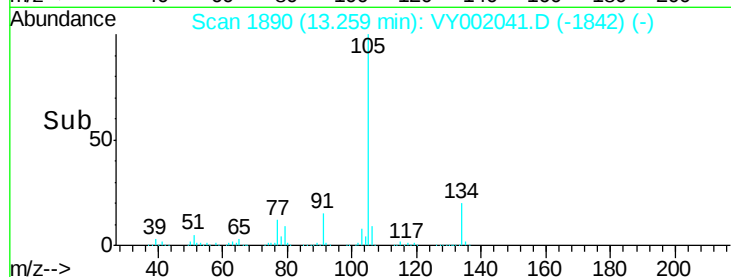
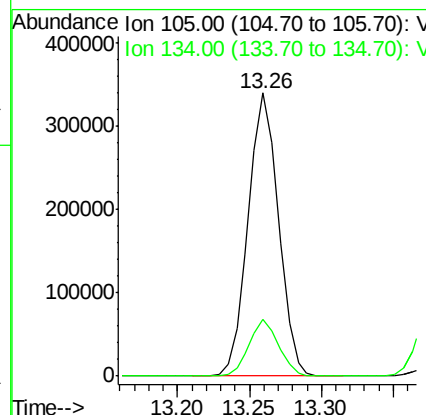
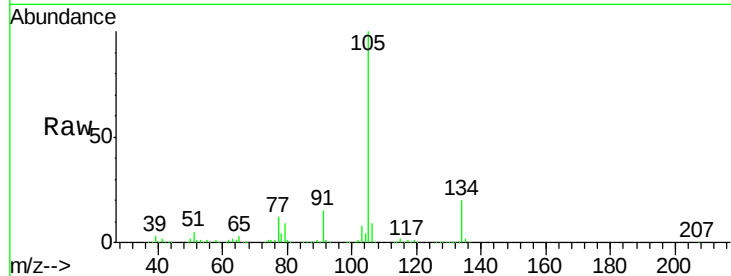




#85
 sec-Butylbenzene
 Concen: 52.20 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

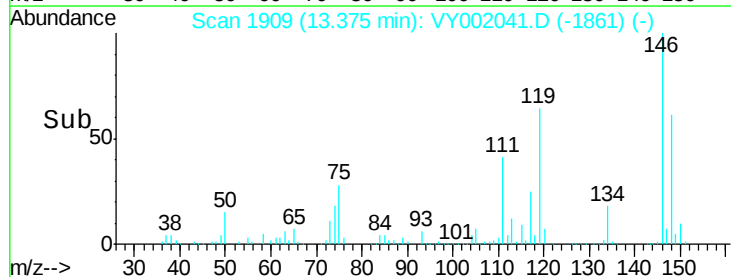
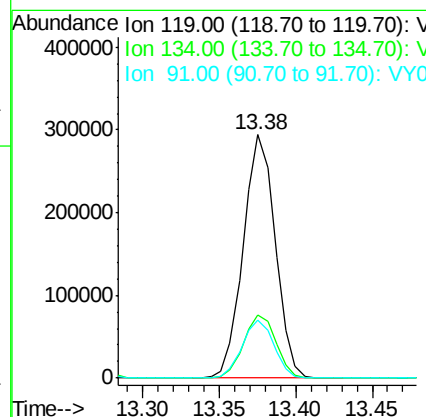
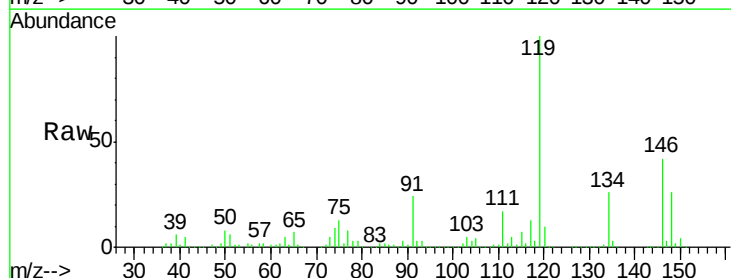
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 494111
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 52.35 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion:119 Resp: 427448
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 23.7 11.9 35.7

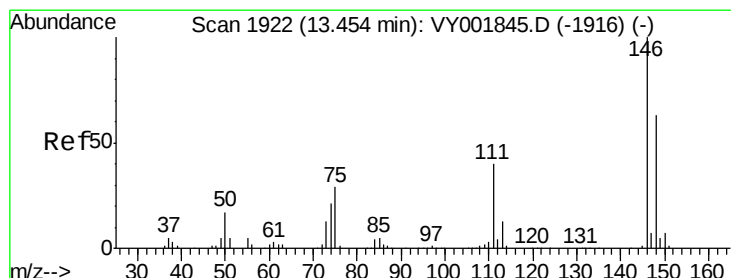
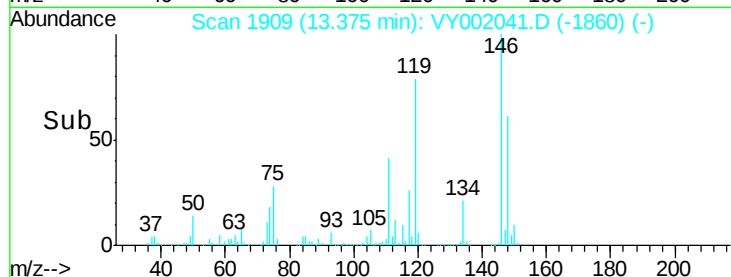
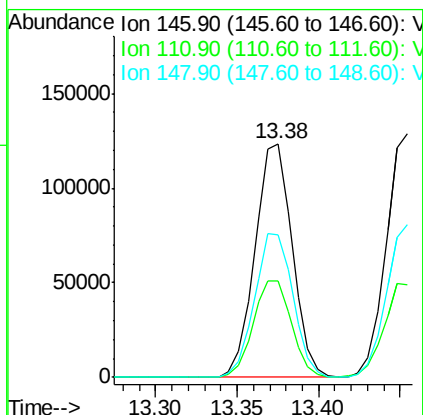
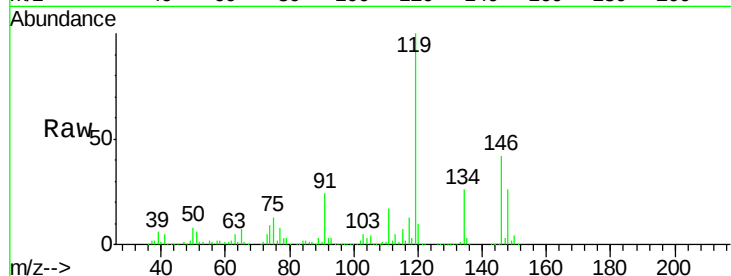




#87
 1,3-Dichlorobenzene
 Concen: 50.31 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

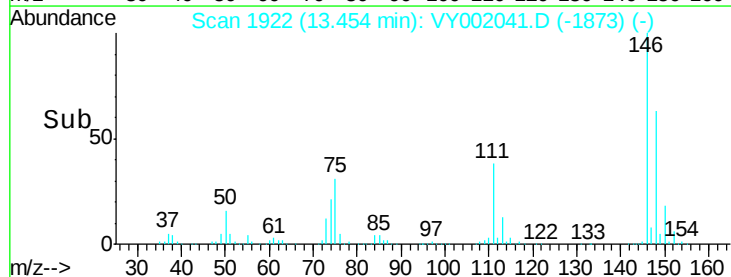
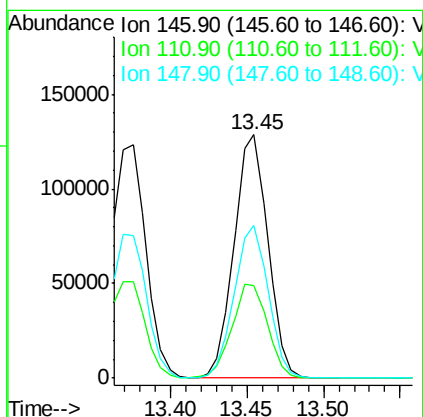
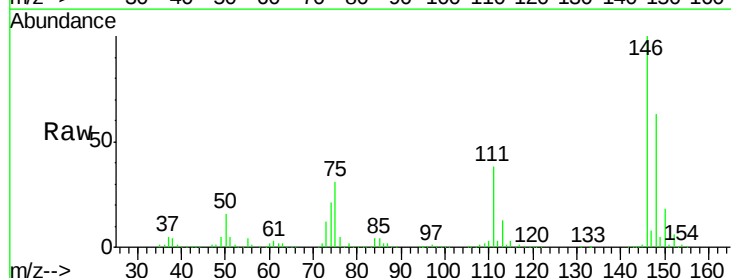
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

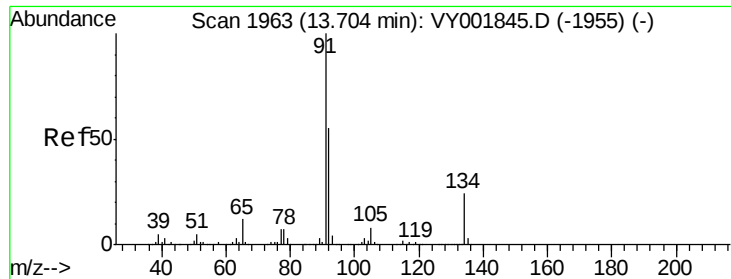
Tgt Ion:146 Resp: 196163
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.8 62.5
 148 63.4 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 49.88 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion:146 Resp: 197326
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 60.0
 148 63.1 31.5 94.5





#89

n-Butylbenzene

Concen: 51.50 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

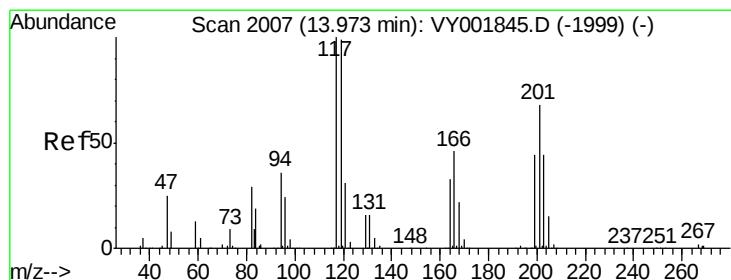
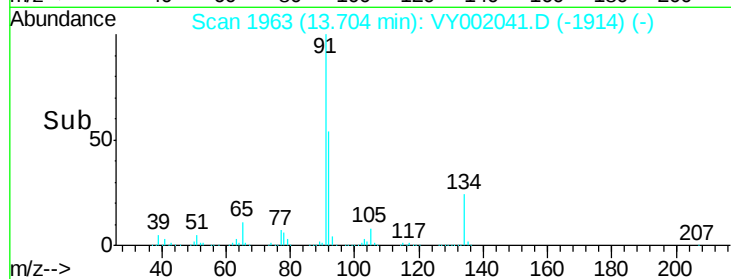
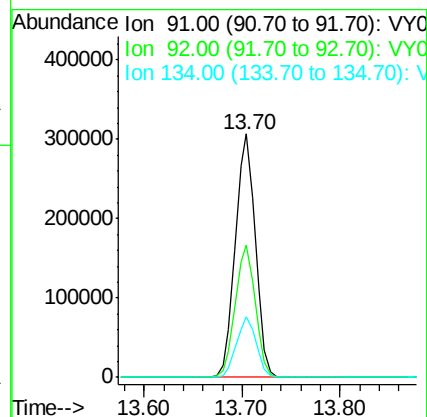
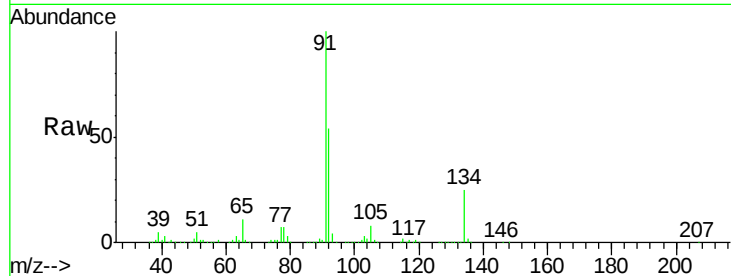
Tgt Ion: 91 Resp: 436264

Ion Ratio Lower Upper

91 100

92 54.1 27.5 82.4

134 24.6 12.5 37.5



#90

Hexachloroethane

Concen: 54.02 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.01 min

Lab File: VY002041.D

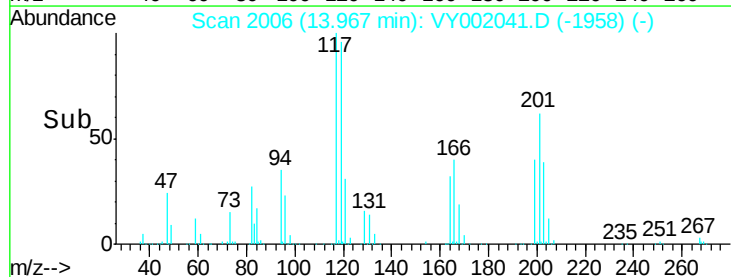
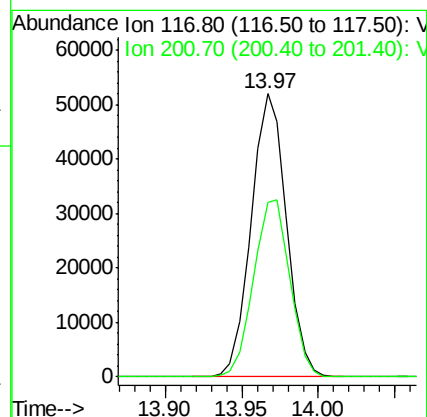
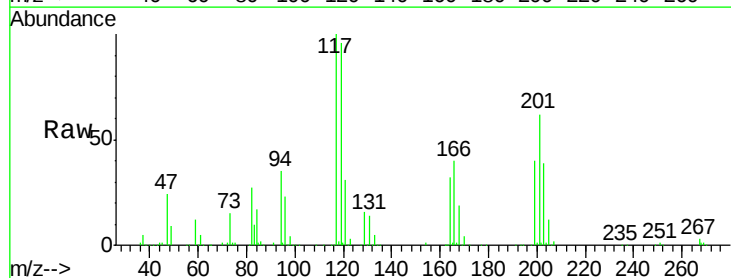
Acq: 24 Mar 2020 10:37

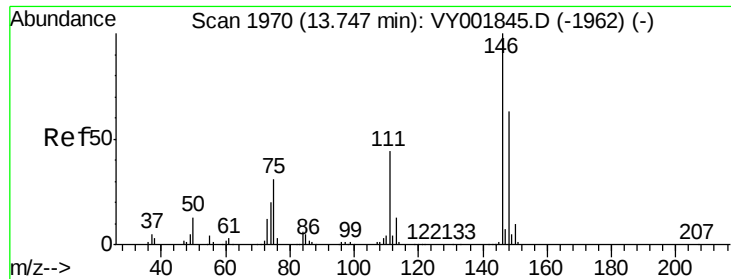
Tgt Ion: 117 Resp: 83217

Ion Ratio Lower Upper

117 100

201 64.6 32.5 97.5

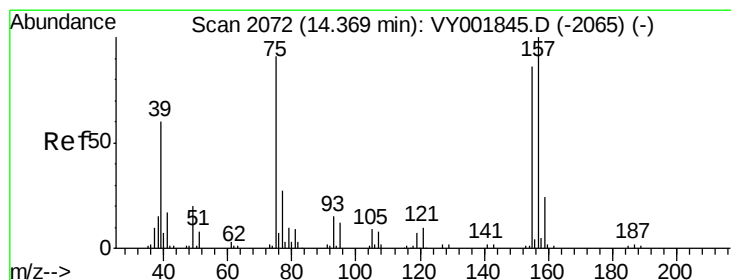
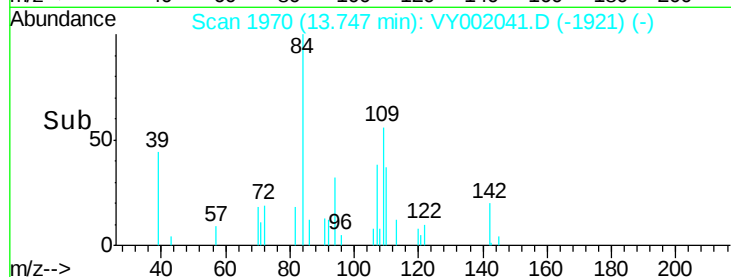
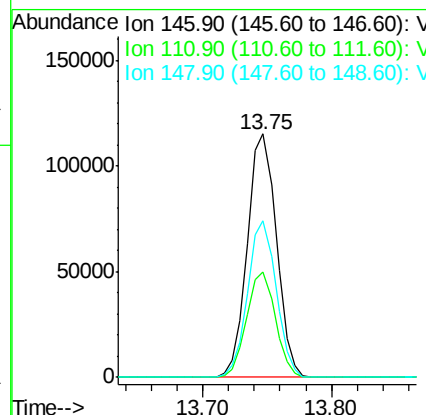
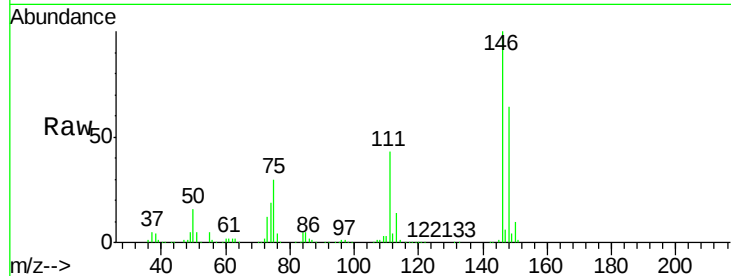




#91
 1,2-Dichlorobenzene
 Concen: 50.65 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

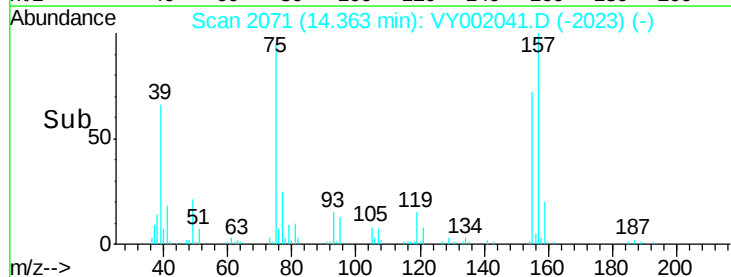
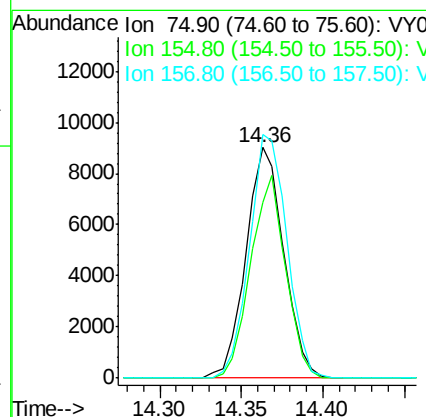
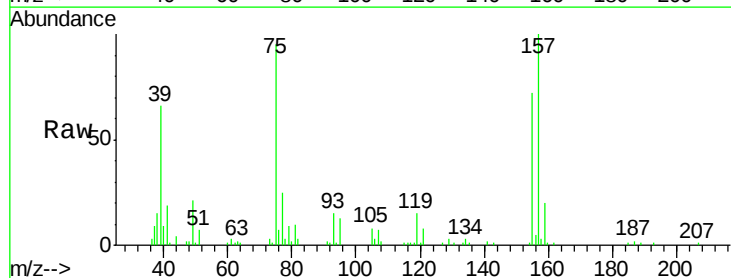
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

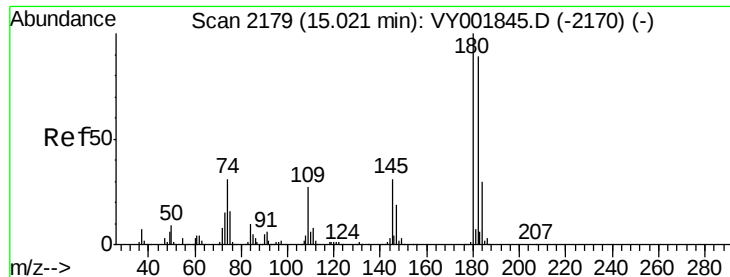
Tgt Ion: 146 Resp: 179412
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.5 64.5
 148 63.0 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.03 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion: 75 Resp: 14548
 Ion Ratio Lower Upper
 75 100
 155 81.1 42.9 128.7
 157 104.5 53.1 159.4

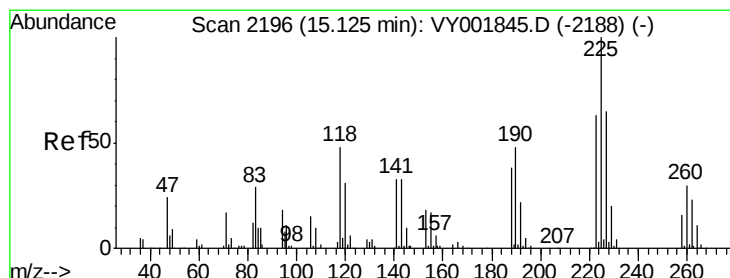
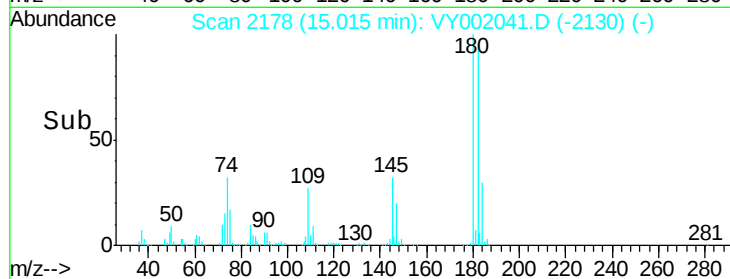
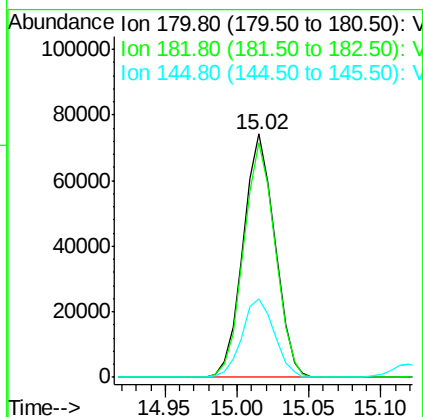
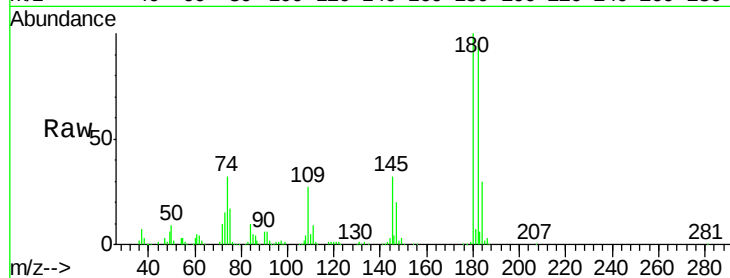




#93
 1,2,4-Trichlorobenzene
 Concen: 49.32 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

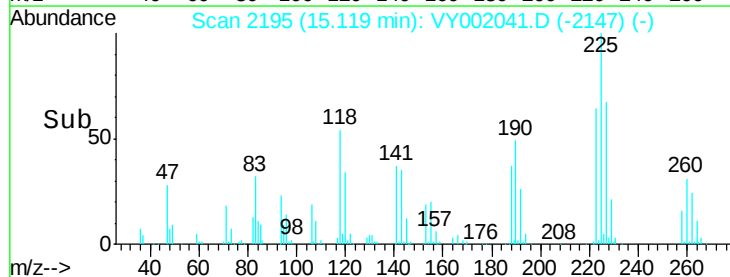
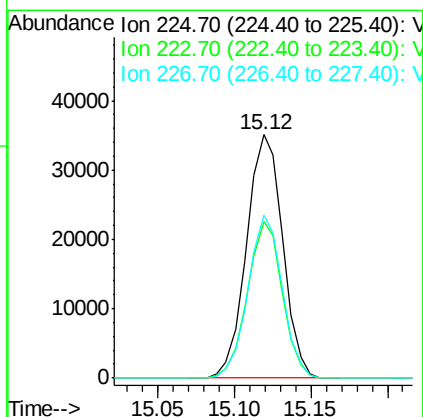
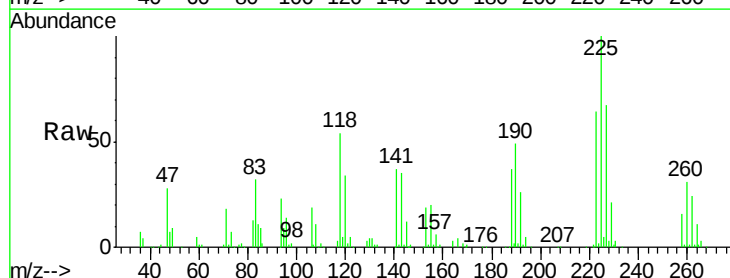
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 113305
 Ion Ratio Lower Upper
 180 100
 182 95.6 46.1 138.3
 145 32.9 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 51.28 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY002041.D
 Acq: 24 Mar 2020 10:37

Tgt Ion:225 Resp: 57438
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.5 94.5
 227 63.6 31.9 95.5





#95

Naphthalene

Concen: 46.70 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

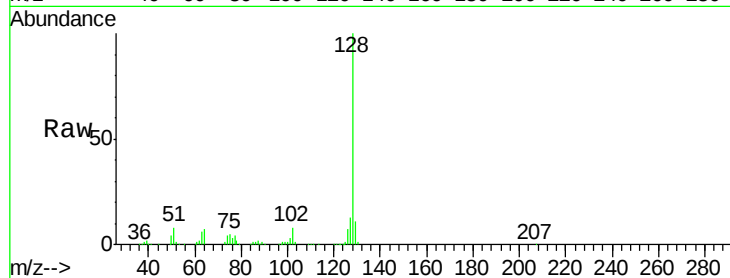
Tgt Ion:128 Resp: 254452

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

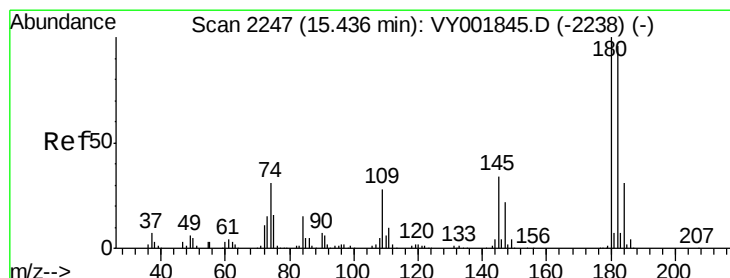
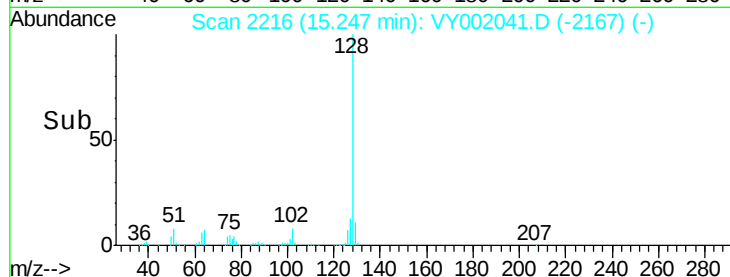
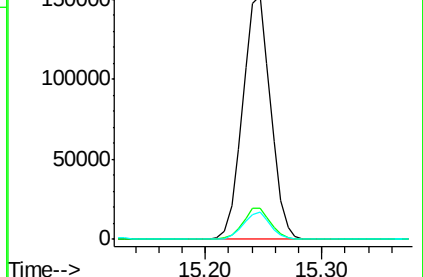
129 10.8 8.6 13.0



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: 49.30 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY002041.D

Acq: 24 Mar 2020 10:37

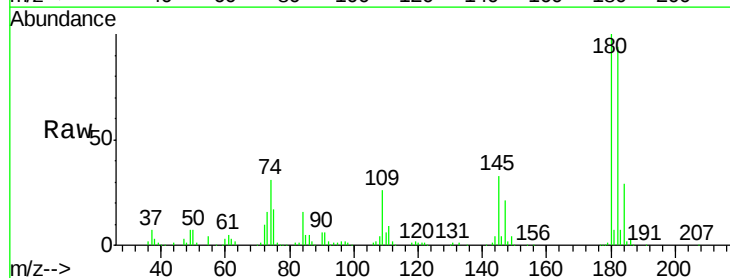
Tgt Ion:180 Resp: 99773

Ion Ratio Lower Upper

180 100

182 94.9 47.6 142.9

145 34.0 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

