

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032020\
 Data File : VY002031.D
 Acq On : 20 Mar 2020 10:33
 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 20 16:12:10 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	7.81	168	167658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	305349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	274432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	125755	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	86837	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.74	113	83133	49.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.19	98	338632	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.49	95	119251	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.91	85	63691	41.15 ug/l	98
3) Chloromethane	2.13	50	88017	42.18 ug/l	100
4) Vinyl Chloride	2.26	62	93253	43.94 ug/l	100
5) Bromomethane	2.66	94	58915	47.20 ug/l	96
6) Chloroethane	2.81	64	60083	45.07 ug/l	96
7) Trichlorofluoromethane	3.15	101	131237	45.59 ug/l	97
8) Diethyl Ether	3.55	74	51428	45.33 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	88106	47.59 ug/l	99
10) Methyl Iodide	4.11	142	102115	47.70 ug/l	99
11) Tert butyl alcohol	4.98	59	45558	244.05 ug/l	# 84
12) 1,1-Dichloroethene	3.90	96	86197	46.24 ug/l	95
13) Acrolein	3.75	56	57525	228.71 ug/l	99
14) Allyl chloride	4.50	41	157575	47.68 ug/l	99
15) Acrylonitrile	5.19	53	136008	224.36 ug/l	99
16) Acetone	3.97	43	142722	273.77 ug/l	97
17) Carbon Disulfide	4.22	76	257836	41.15 ug/l	98
18) Methyl Acetate	4.50	43	58418	43.61 ug/l	100
19) Methyl tert-butyl Ether	5.24	73	236692	46.86 ug/l	97
20) Methylene Chloride	4.74	84	99578	44.57 ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	96863	45.78 ug/l	91
22) Diisopropyl ether	6.14	45	323259	47.72 ug/l	96
23) Vinyl Acetate	6.08	43	1039308	234.04 ug/l	99
24) 1,1-Dichloroethane	6.05	63	175438	47.83 ug/l	100
25) 2-Butanone	7.01	43	192841	243.25 ug/l	98
26) 2,2-Dichloropropane	7.00	77	150923	50.13 ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	110322	47.94 ug/l	98
28) Bromochloromethane	7.36	49	85136	51.49 ug/l	99
29) Tetrahydrofuran	7.36	42	113488	215.57 ug/l	99
30) Chloroform	7.53	83	166472	48.30 ug/l	97
31) Cyclohexane	7.80	56	174191	44.29 ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	141014	48.55 ug/l	99
36) 1,1-Dichloropropene	7.94	75	137036	46.64 ug/l	100
37) Ethyl Acetate	7.10	43	77153	45.18 ug/l	99
38) Carbon Tetrachloride	7.92	117	121881	48.56 ug/l	98

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

39) Methylcyclohexane	9.19	83	177978	45.67	ug/l	98
40) Benzene	8.18	78	407277	46.76	ug/l	100
41) Methacrylonitrile	7.36	41	101702	132.33	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	105249	46.90	ug/l	100
43) Isopropyl Acetate	8.29	43	147630	45.66	ug/l	98
44) Trichloroethene	8.96	130	98015	46.21	ug/l	99
45) 1,2-Dichloropropane	9.23	63	104755	47.85	ug/l	99
46) Dibromomethane	9.32	93	52398	46.44	ug/l	99
47) Bromodichloromethane	9.51	83	127252	48.49	ug/l	98
48) Methyl methacrylate	9.30	41	65359	45.56	ug/l	96
49) 1,4-Dioxane	9.32	88	13752	889.54	ug/l	89
51) 4-Methyl-2-Pentanone	10.08	43	385137	231.26	ug/l	100
52) Toluene	10.25	92	250563	47.36	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	138934	48.59	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	163310	47.98	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	77346	46.84	ug/l	97
56) Ethyl methacrylate	10.52	69	114212	47.19	ug/l	99
57) 1,3-Dichloropropane	10.80	76	137185	46.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	192503	224.22	ug/l	100
59) 2-Hexanone	10.84	43	281184	236.55	ug/l	100
60) Dibromochloromethane	10.99	129	84668	48.66	ug/l	100
61) 1,2-Dibromoethane	11.10	107	71260	45.56	ug/l	98
64) Tetrachloroethene	10.73	164	80114	46.55	ug/l	97
65) Chlorobenzene	11.52	112	257006	47.00	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	86291	48.12	ug/l	99
67) Ethyl Benzene	11.60	91	480239	47.09	ug/l	99
68) m/p-Xylenes	11.71	106	360699	95.67	ug/l	99
69) o-Xylene	12.03	106	167187	47.05	ug/l	100
70) Styrene	12.05	104	292670	48.09	ug/l	99
71) Bromoform	12.22	173	46695	48.02	ug/l #	100
73) Isopropylbenzene	12.34	105	454934	47.39	ug/l	99
74) N-amyl acetate	12.15	43	134103	45.45	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	94736	45.76	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	122379	82.01	ug/l #	100
77) Bromobenzene	12.61	156	96829	47.61	ug/l	97
78) n-propylbenzene	12.68	91	567876	47.95	ug/l	100
79) 2-Chlorotoluene	12.76	91	310597	47.47	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	377727	47.80	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	34138	46.21	ug/l	98
82) 4-Chlorotoluene	12.86	91	327080	48.01	ug/l	99
83) tert-Butylbenzene	13.08	119	322351	49.11	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	373999	47.69	ug/l	99
85) sec-Butylbenzene	13.26	105	468554	48.43	ug/l	100
86) p-Isopropyltoluene	13.38	119	400474	47.98	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	185704	46.59	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	188306	46.57	ug/l	100
89) n-Butylbenzene	13.70	91	417207	48.18	ug/l	99
90) Hexachloroethane	13.97	117	76609	48.66	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	169738	46.88	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	14476	44.81	ug/l	98

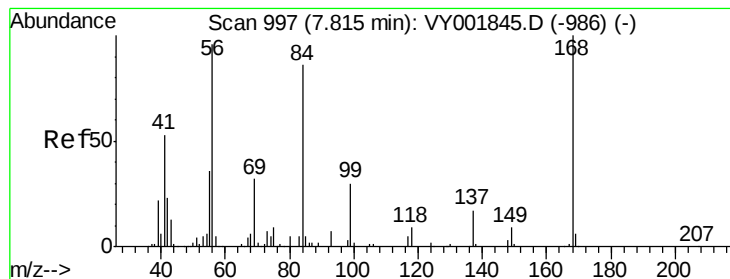
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	108809	46.34	ug/l	99
94) Hexachlorobutadiene	15.12	225	53583	46.80	ug/l	99
95) Naphthalene	15.25	128	247362	44.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	96530	46.66	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

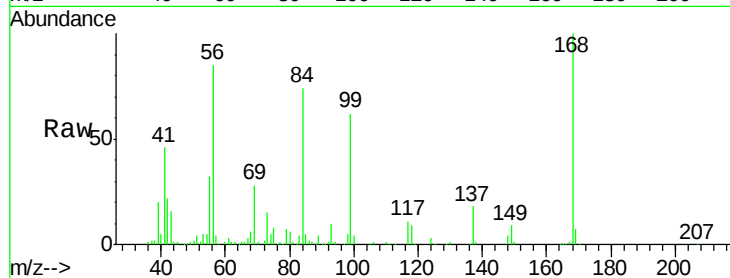
VSTDCCC050

Tgt Ion:168 Resp: 167658

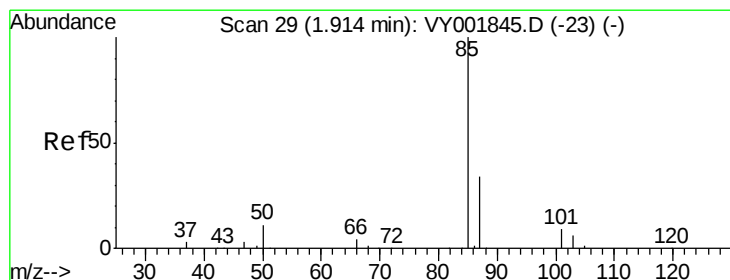
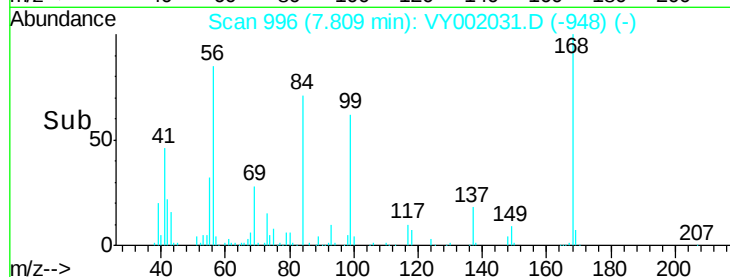
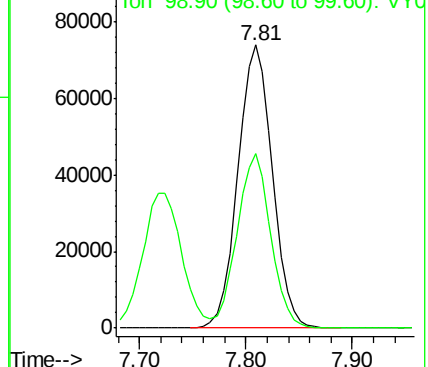
Ion Ratio Lower Upper

168 100

99 61.8 46.7 70.1



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



#2

Dichlorodifluoromethane

Concen: 41.15 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002031.D

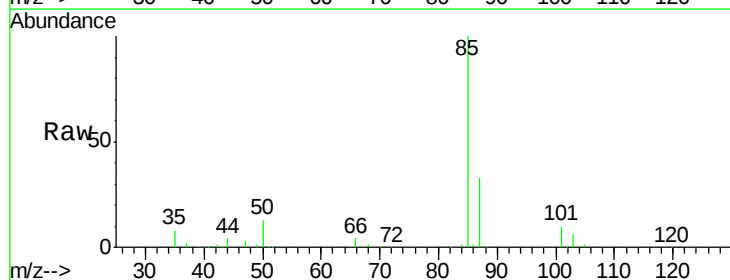
Acq: 20 Mar 2020 10:33

Tgt Ion: 85 Resp: 63691

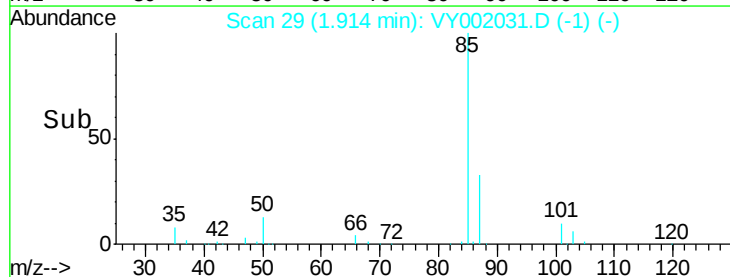
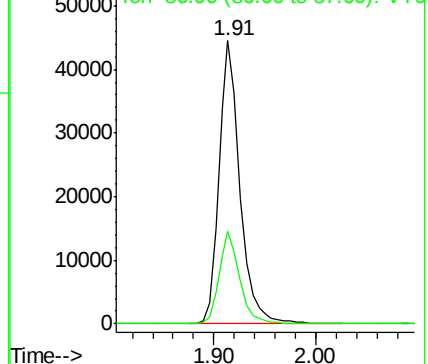
Ion Ratio Lower Upper

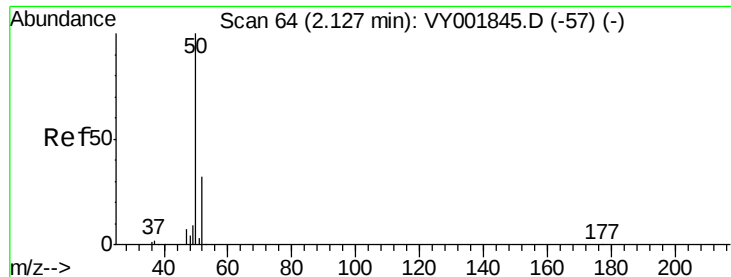
85 100

87 32.5 16.8 50.4



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





#3

Chloromethane

Concen: 42.18 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

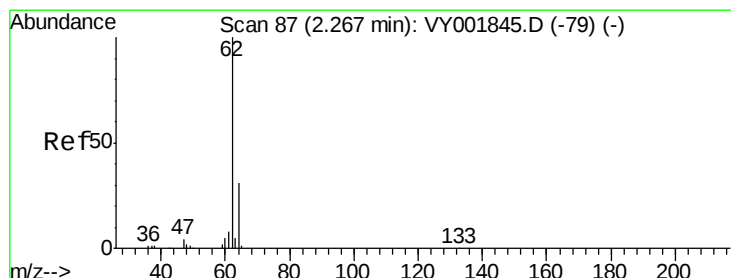
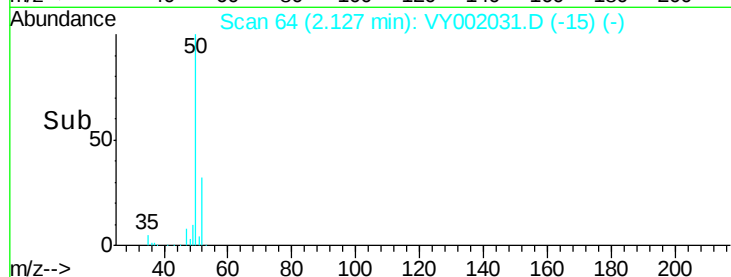
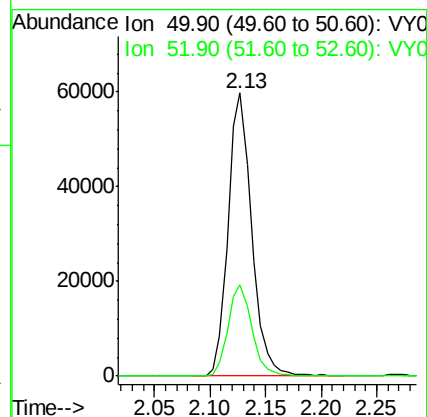
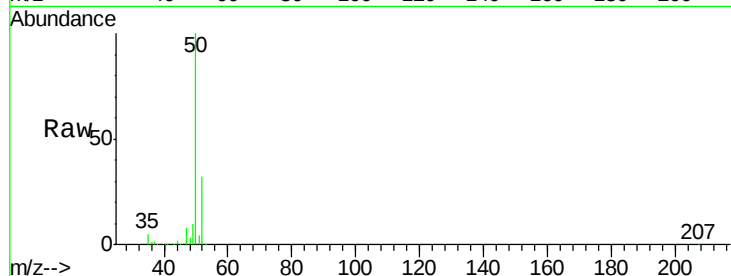
VSTDCCC050

Tgt Ion: 50 Resp: 88017

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6



#4

Vinyl Chloride

Concen: 43.94 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002031.D

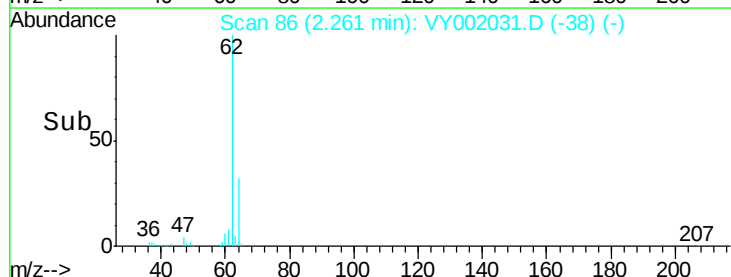
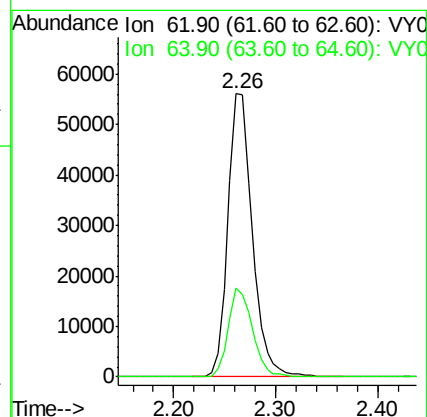
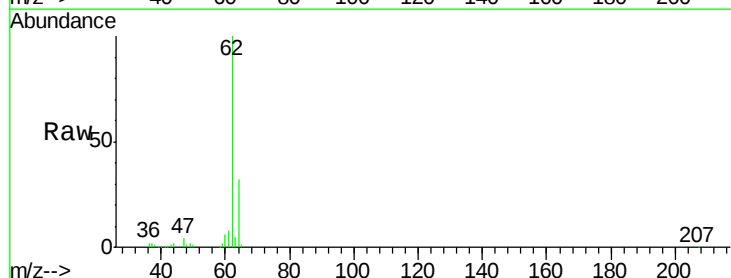
Acq: 20 Mar 2020 10:33

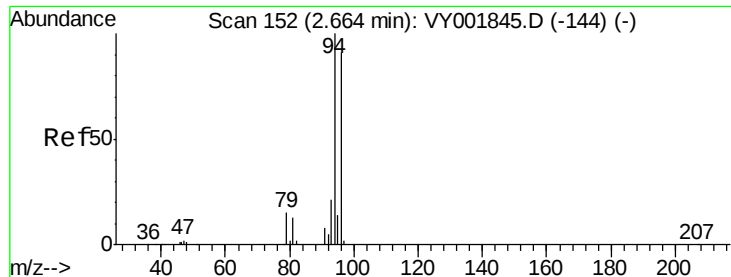
Tgt Ion: 62 Resp: 93253

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 47.20 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

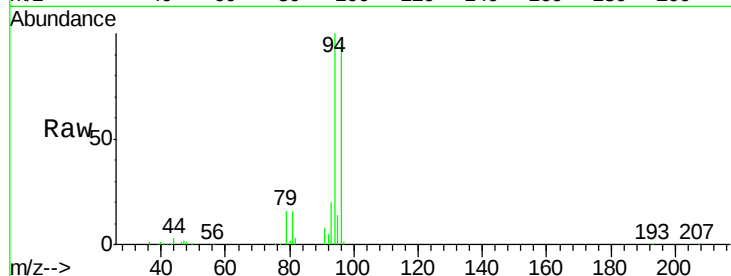
VSTDCCC050

Tgt Ion: 94 Resp: 58915

Ion Ratio Lower Upper

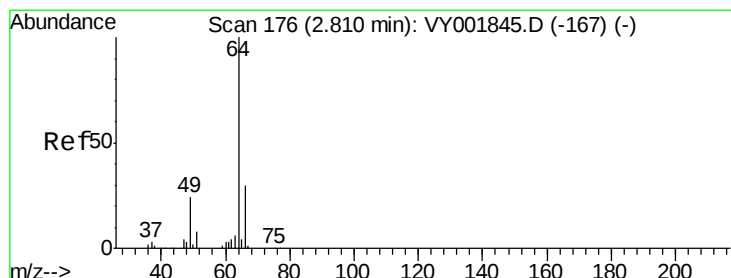
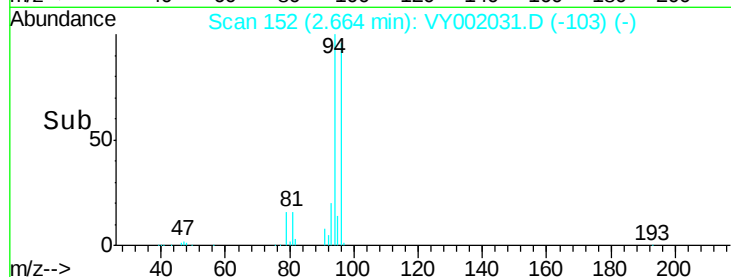
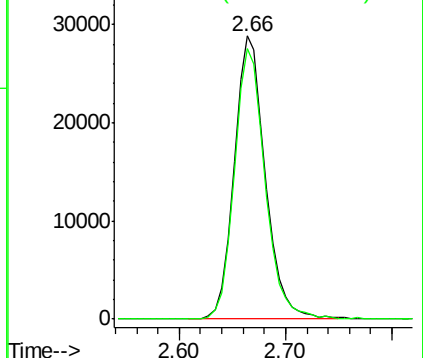
94 100

96 95.6 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: 45.07 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY002031.D

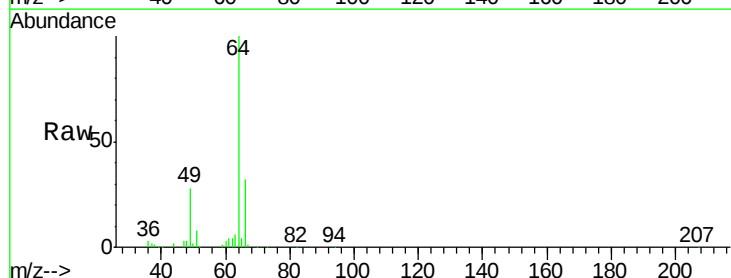
Acq: 20 Mar 2020 10:33

Tgt Ion: 64 Resp: 60083

Ion Ratio Lower Upper

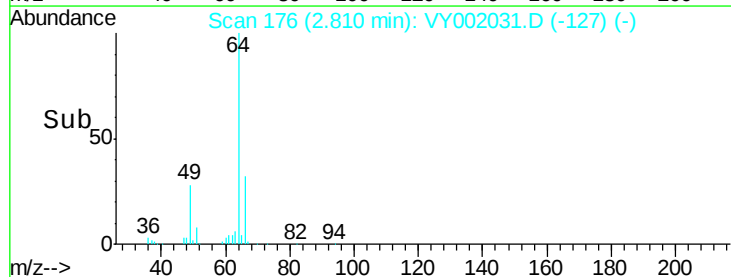
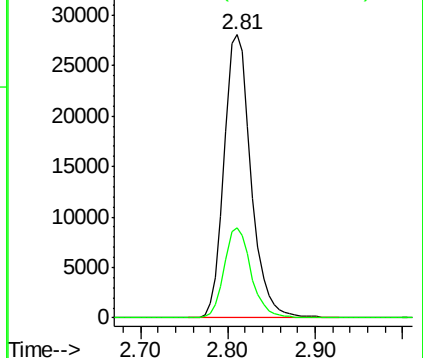
64 100

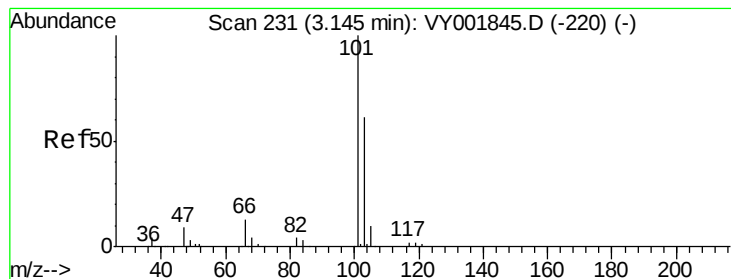
66 32.0 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



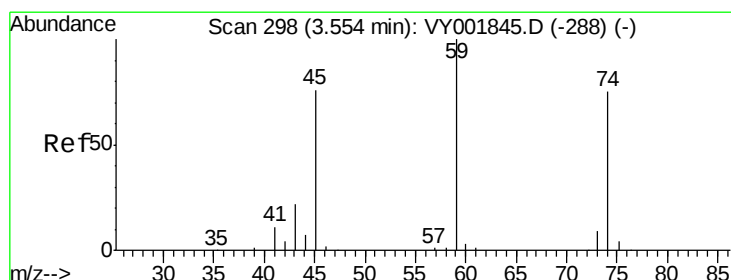
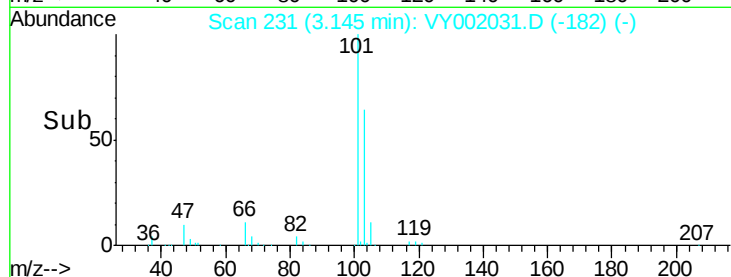
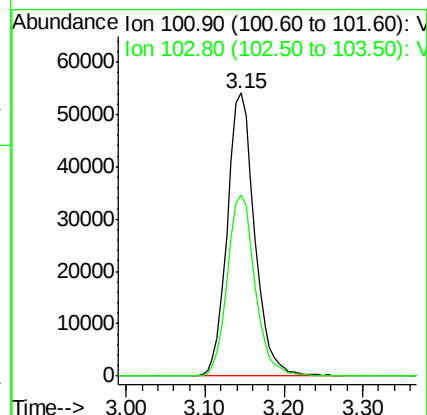
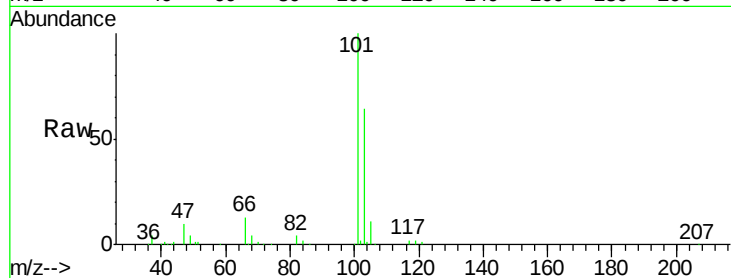


#7

Trichlorofluoromethane
 Concen: 45.59 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

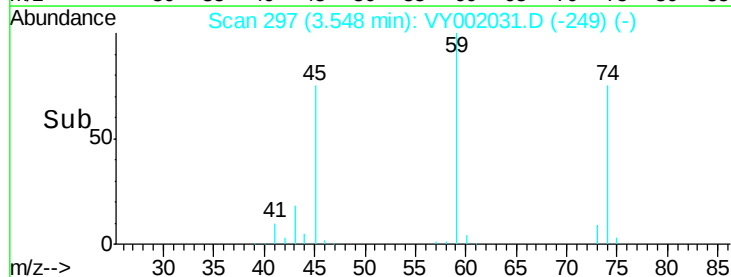
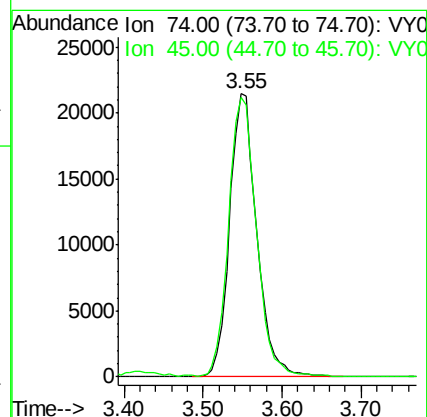
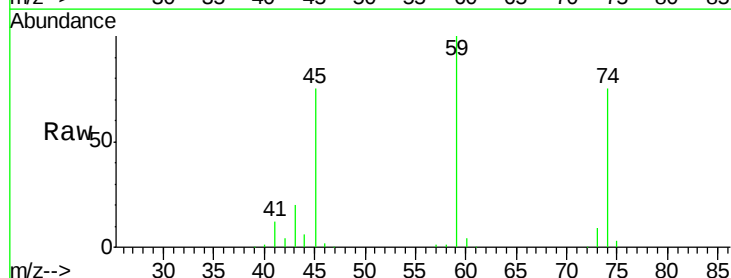
Tgt Ion:101 Resp: 131237
 Ion Ratio Lower Upper
 101 100
 103 63.9 49.1 73.7

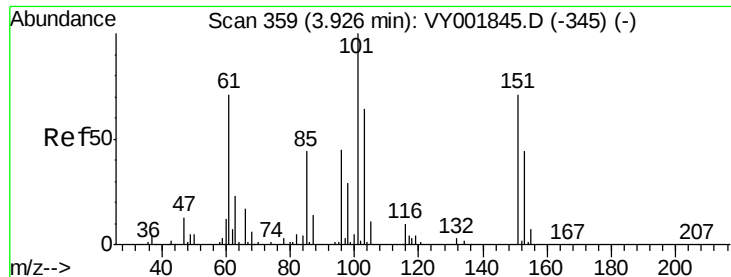


#8

Diethyl Ether
 Concen: 45.33 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion: 74 Resp: 51428
 Ion Ratio Lower Upper
 74 100
 45 101.6 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.59 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

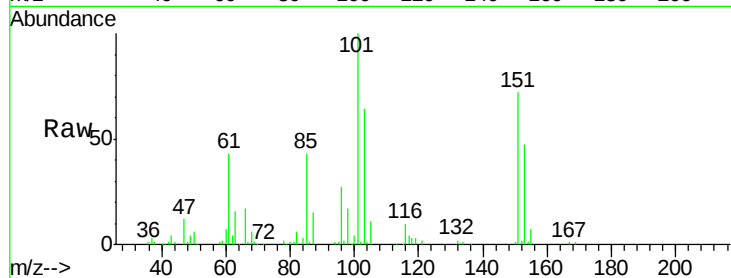
Tgt Ion:101 Resp: 88106

Ion Ratio Lower Upper

101 100

85 43.3 35.3 52.9

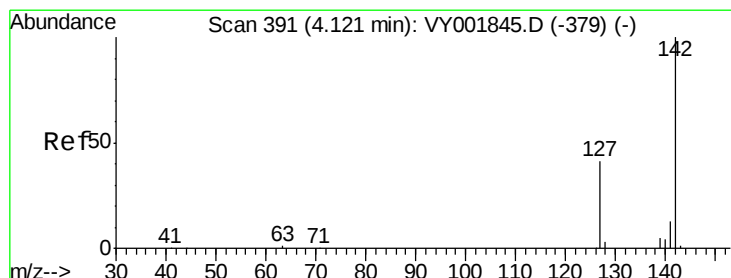
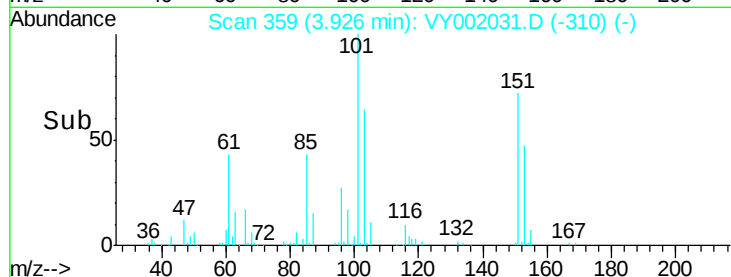
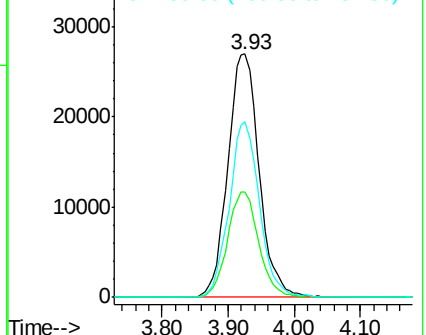
151 70.4 57.0 85.4



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: 47.70 ug/l

RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

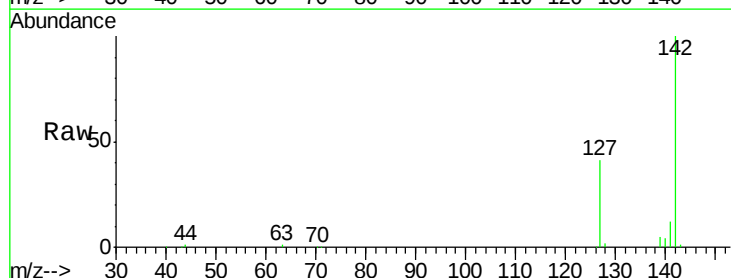
Tgt Ion:142 Resp: 102115

Ion Ratio Lower Upper

142 100

127 40.6 32.7 49.1

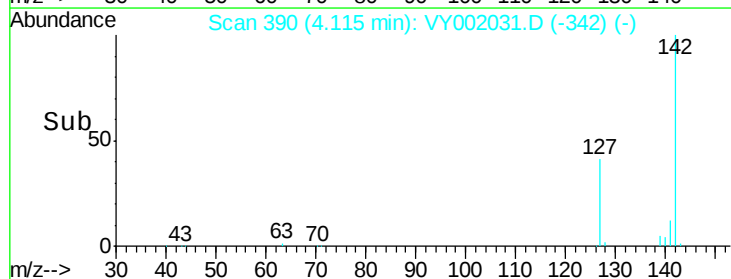
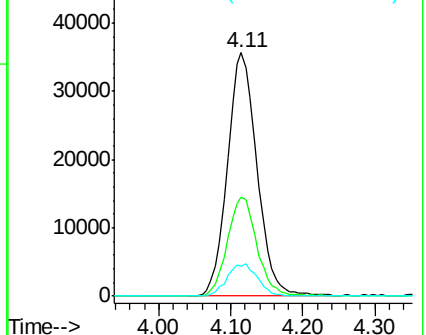
141 13.6 11.0 16.6

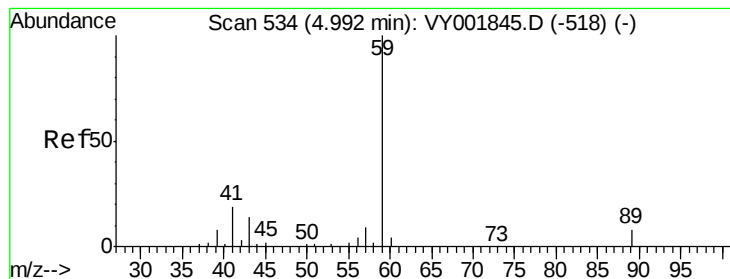


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



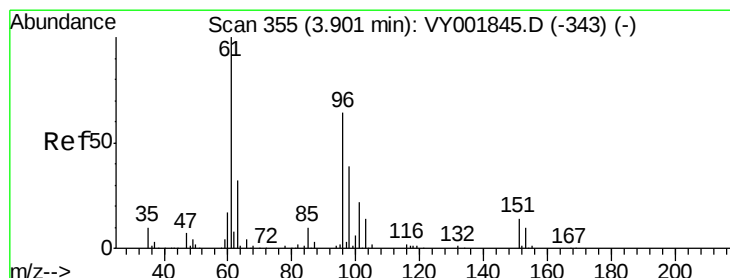
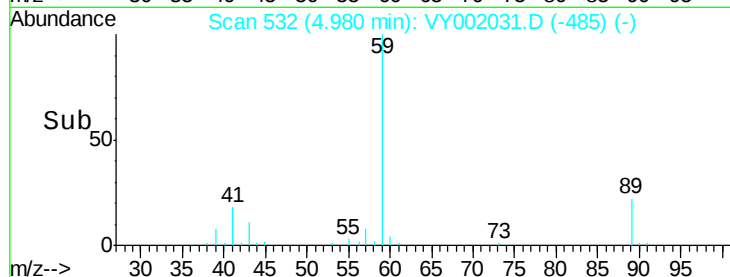
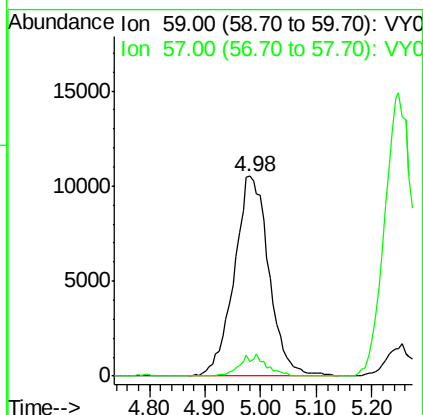
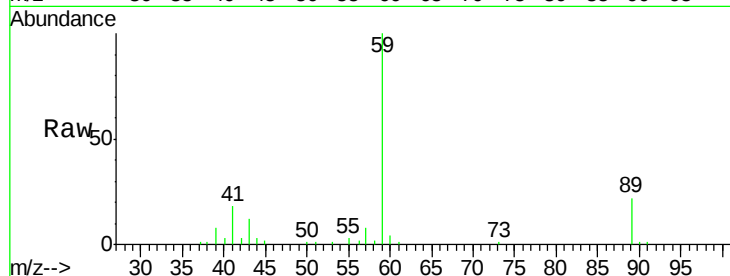


#11

Tert butyl alcohol
 Concen: 244.05 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

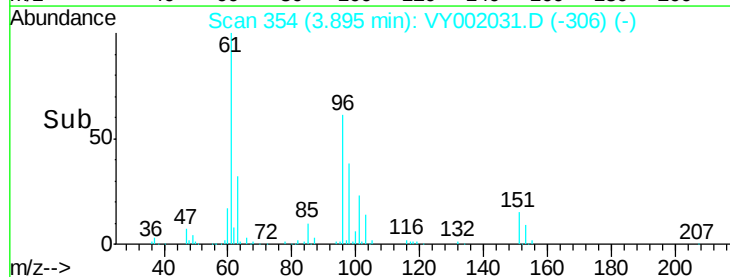
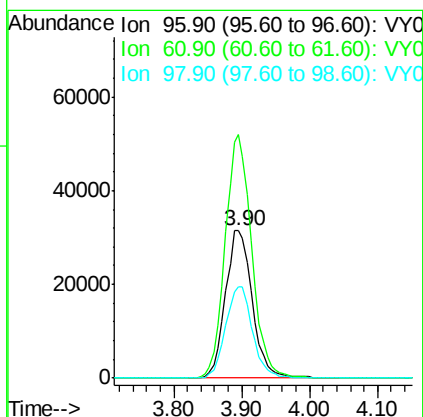
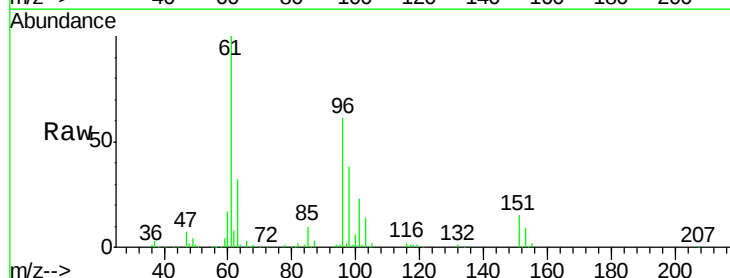
Tgt Ion: 59 Resp: 45558
 Ion Ratio Lower Upper
 59 100
 57 3.6 7.4 11.2#

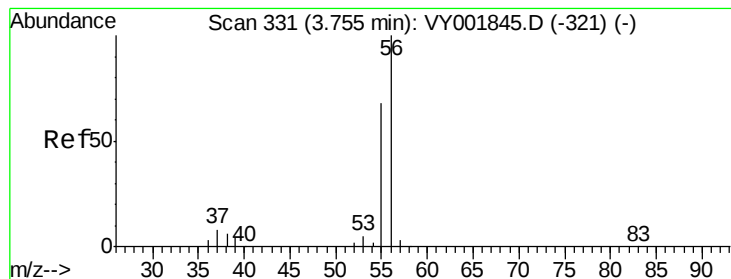


#12

1,1-Dichloroethene
 Concen: 46.24 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion: 96 Resp: 86197
 Ion Ratio Lower Upper
 96 100
 61 165.0 124.8 187.2
 98 62.0 49.2 73.8





#13

Acrolein

Concen: 228.71 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

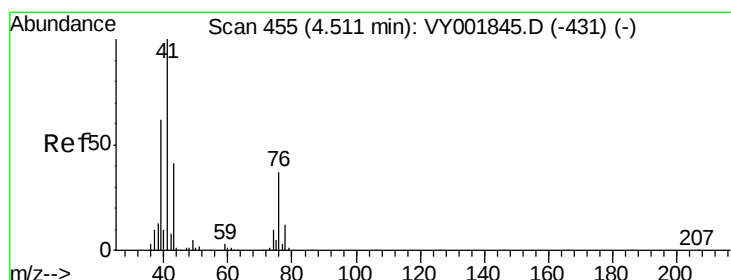
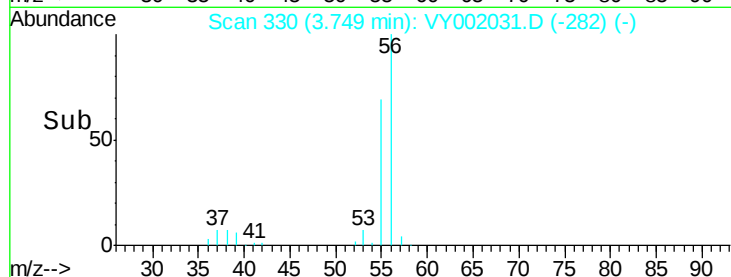
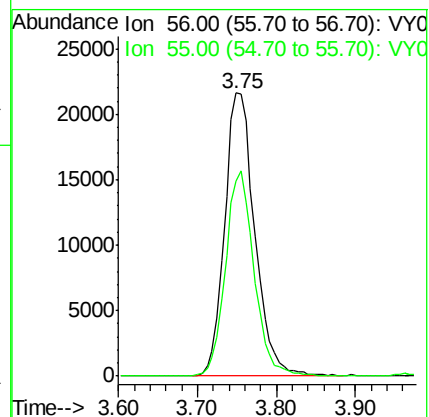
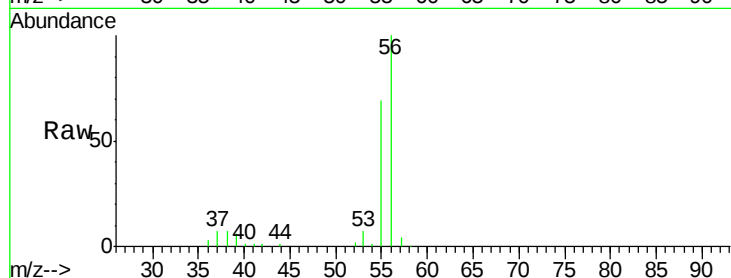
VSTDCCC050

Tgt Ion: 56 Resp: 57525

Ion Ratio Lower Upper

56 100

55 68.6 54.0 81.0



#14

Allyl chloride

Concen: 47.68 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

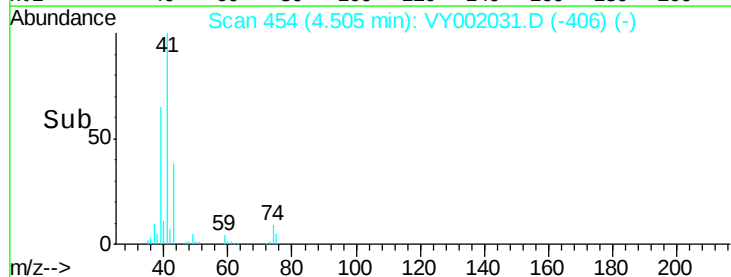
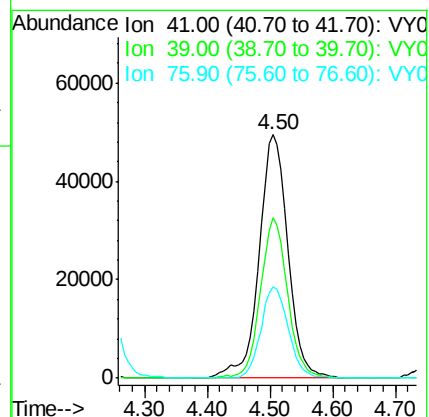
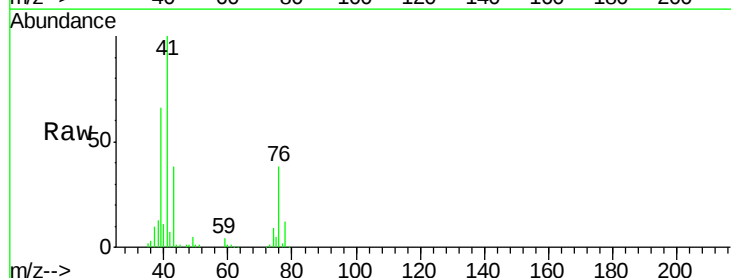
Tgt Ion: 41 Resp: 157575

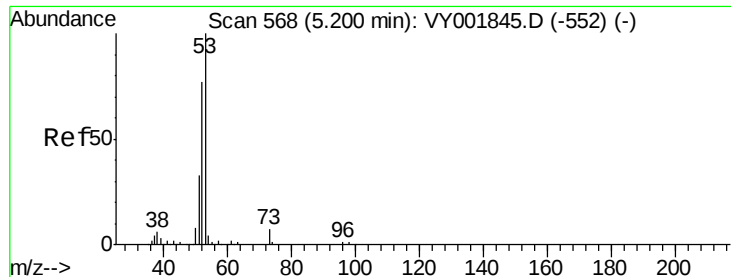
Ion Ratio Lower Upper

41 100

39 62.0 49.0 73.6

76 35.7 28.9 43.3





#15

Acrylonitrile

Concen: 224.36 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

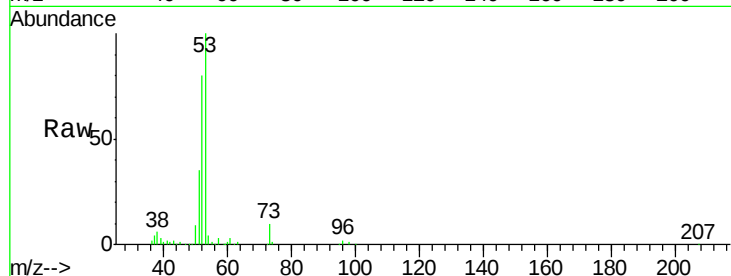
Tgt Ion: 53 Resp: 136008

Ion Ratio Lower Upper

53 100

52 80.9 65.1 97.7

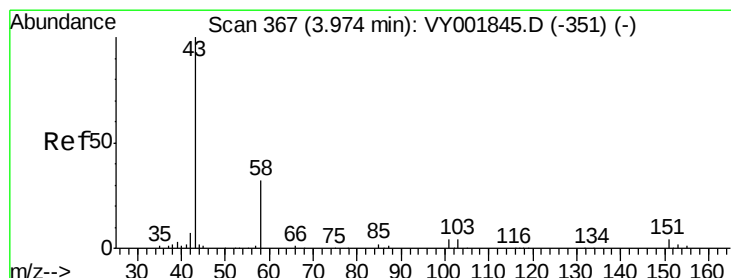
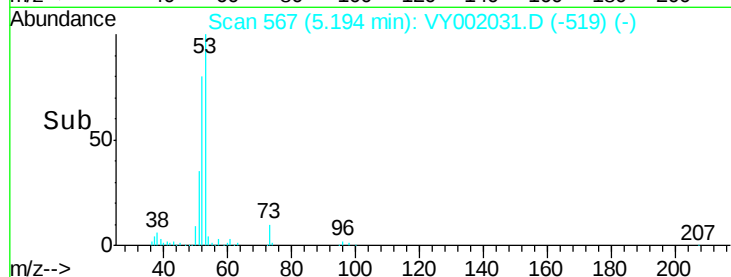
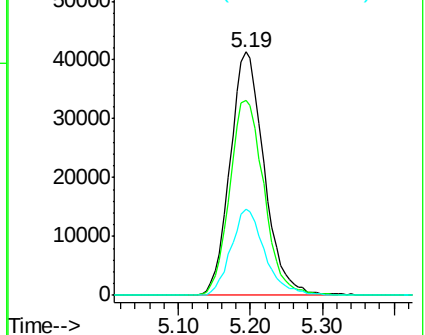
51 35.3 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 273.77 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY002031.D

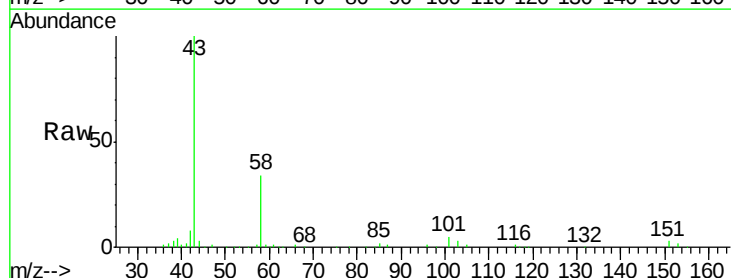
Acq: 20 Mar 2020 10:33

Tgt Ion: 43 Resp: 142722

Ion Ratio Lower Upper

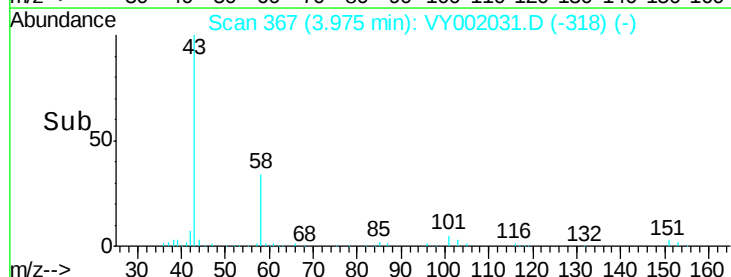
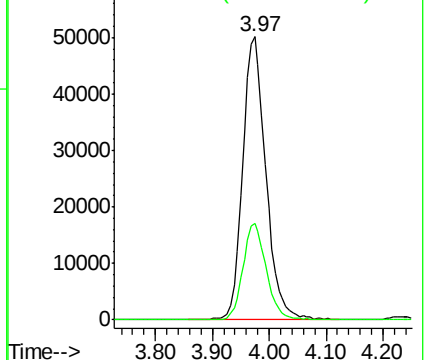
43 100

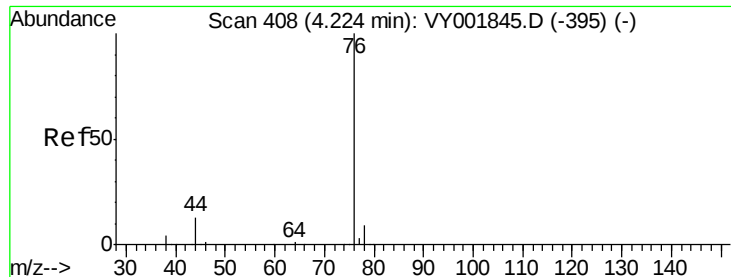
58 34.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

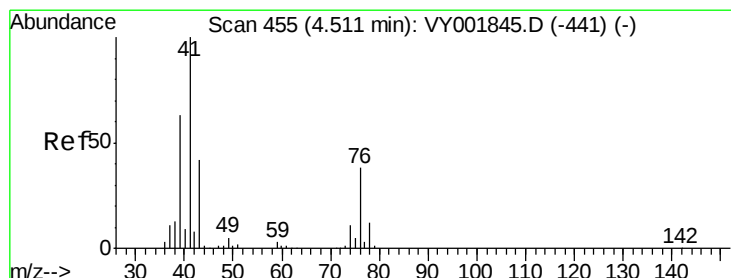
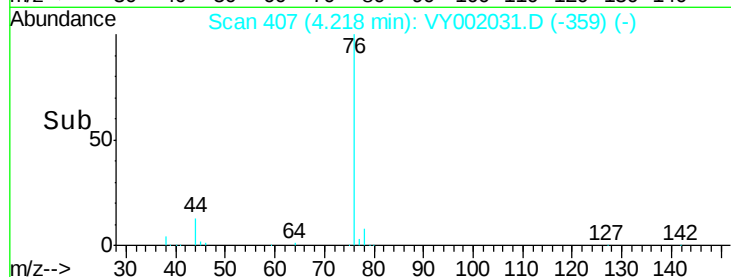
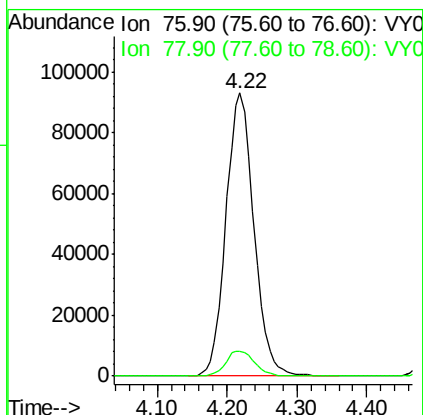
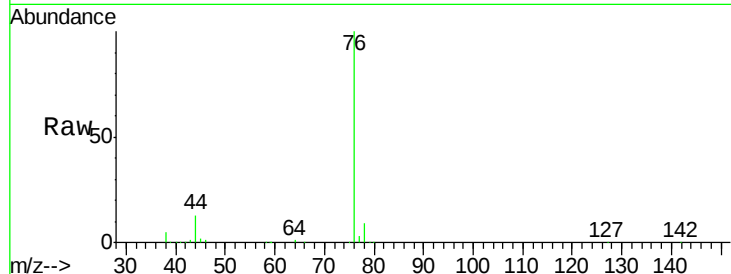




#17
Carbon Disulfide
Concen: 41.15 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

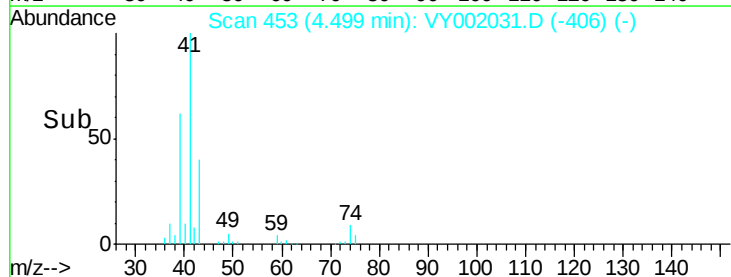
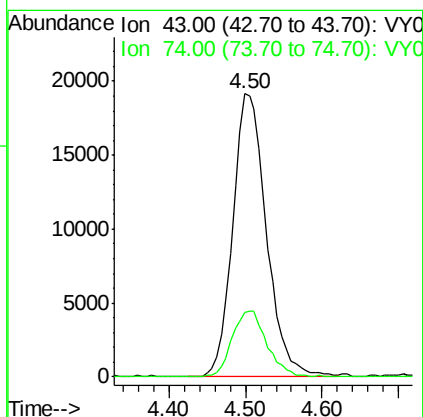
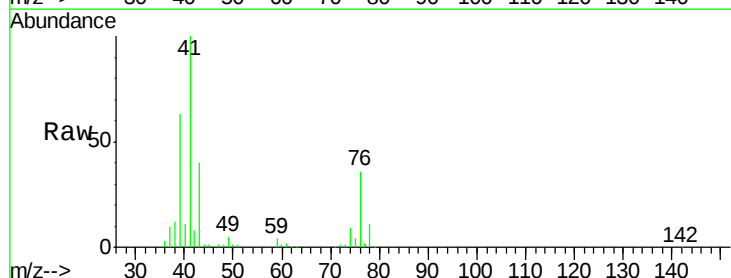
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

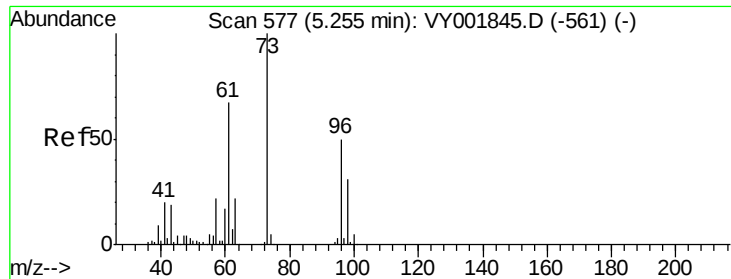
Tgt Ion: 76 Resp: 257836
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#18
Methyl Acetate
Concen: 43.61 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion: 43 Resp: 58418
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.6





#19

Methyl tert-butyl Ether

Concen: 46.86 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

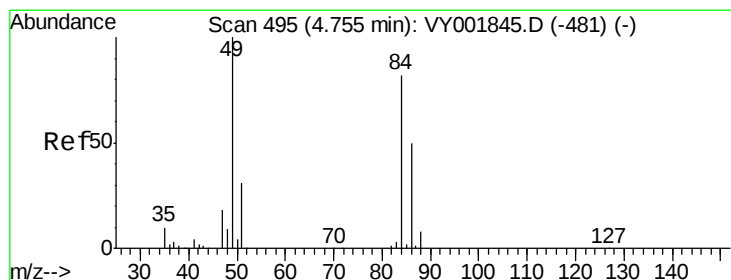
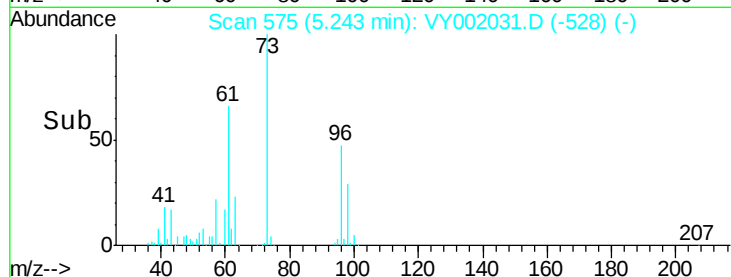
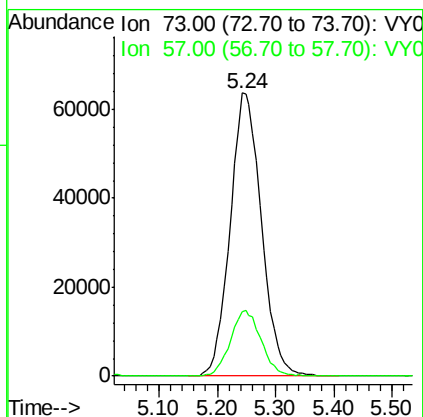
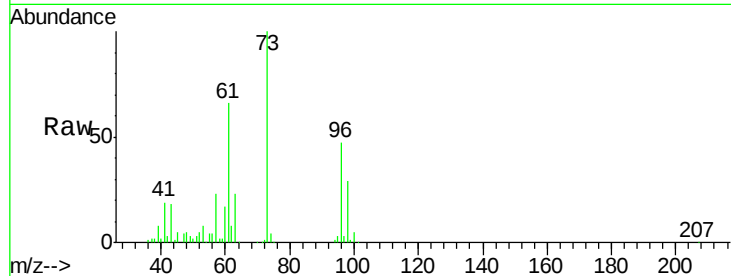
VSTDCCC050

Tgt Ion: 73 Resp: 236692

Ion Ratio Lower Upper

73 100

57 23.0 17.4 26.2



#20

Methylene Chloride

Concen: 44.57 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Tgt Ion: 84 Resp: 99578

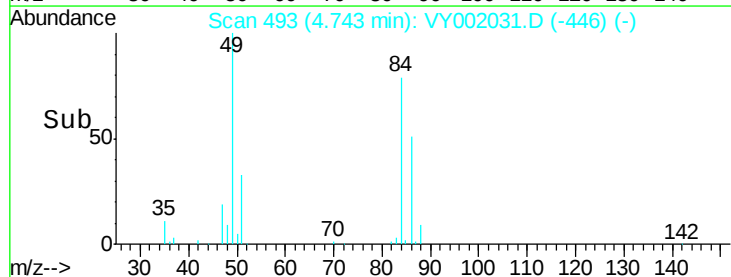
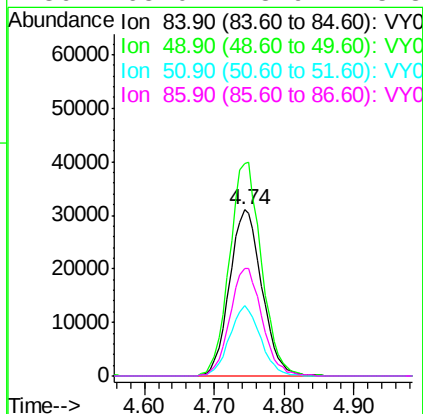
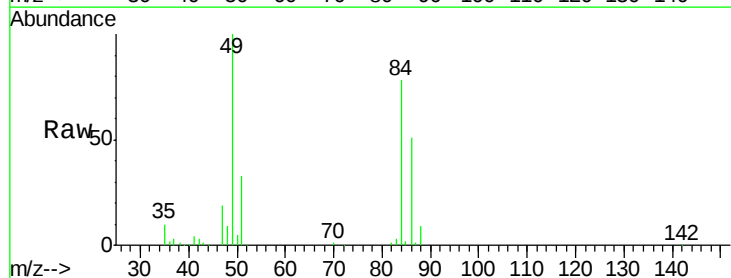
Ion Ratio Lower Upper

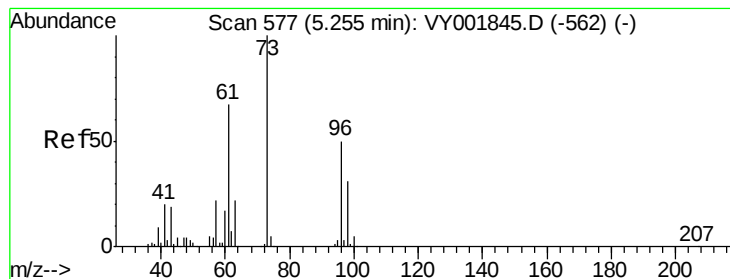
84 100

49 127.7 98.2 147.2

51 42.2 30.2 45.2

86 65.0 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 45.78 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

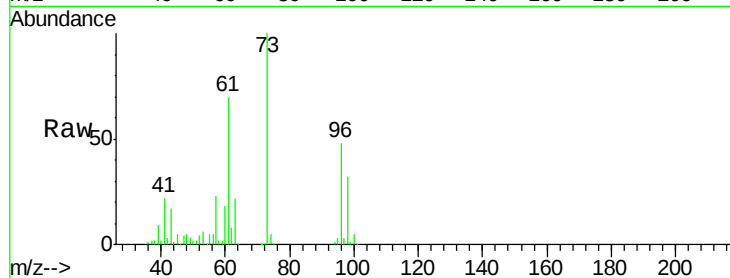
Tgt Ion: 96 Resp: 96863

Ion Ratio Lower Upper

96 100

61 146.7 107.7 161.5

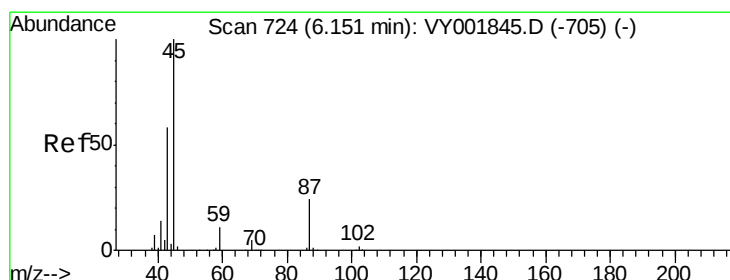
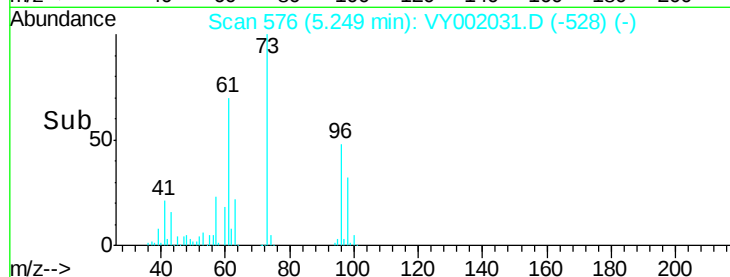
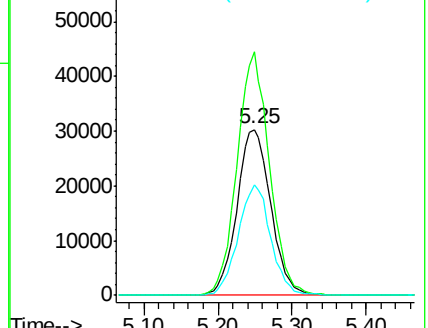
98 66.7 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VY001845.D (-562) (-)

Ion 60.90 (60.60 to 61.60): VY001845.D (-562) (-)

Ion 97.90 (97.60 to 98.60): VY001845.D (-562) (-)



#22

Diisopropyl ether

Concen: 47.72 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Tgt Ion: 45 Resp: 323259

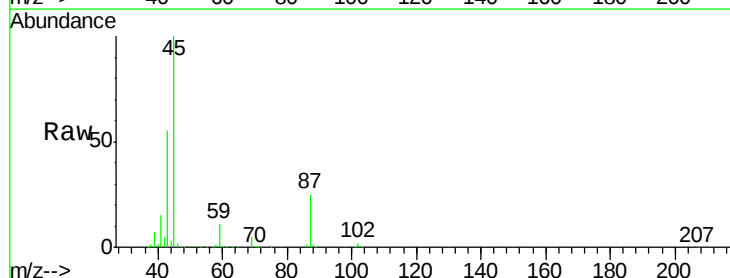
Ion Ratio Lower Upper

45 100

43 55.1 47.2 70.8

87 25.2 19.8 29.8

59 11.3 8.8 13.2

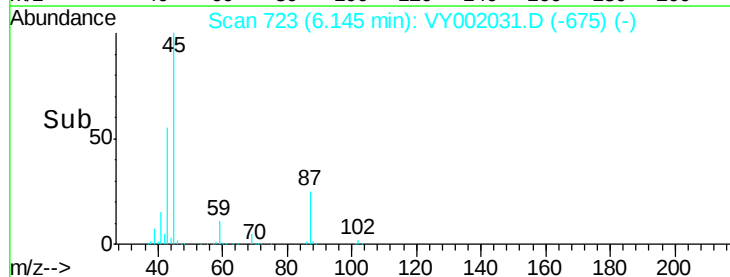
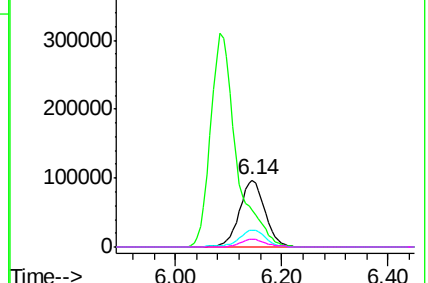


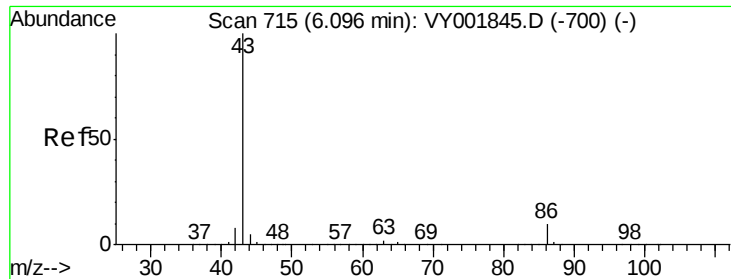
Abundance Ion 45.00 (44.70 to 45.70): VY001845.D (-705) (-)

Ion 43.00 (42.70 to 43.70): VY001845.D (-705) (-)

Ion 87.00 (86.70 to 87.70): VY001845.D (-705) (-)

Ion 59.00 (58.70 to 59.70): VY001845.D (-705) (-)

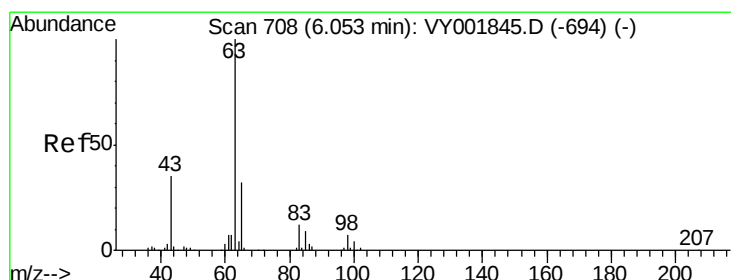
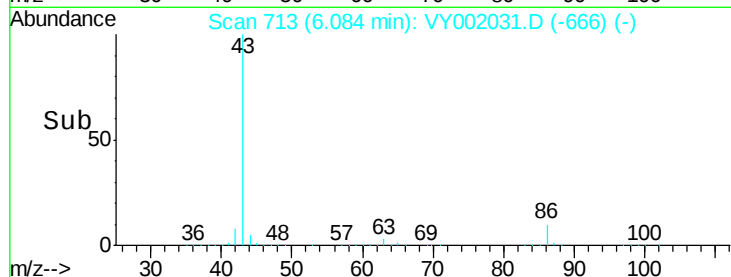
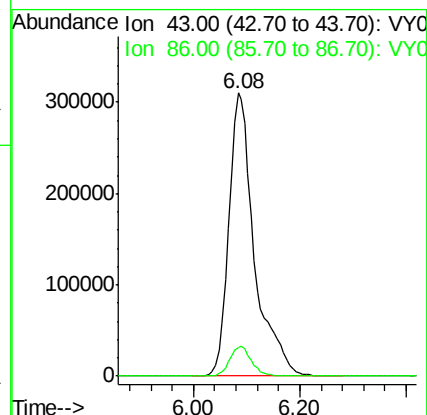
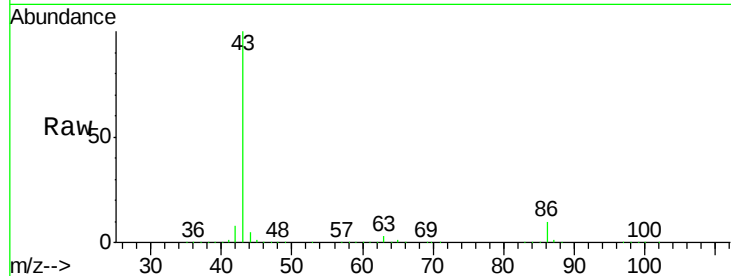




#23
 Vinyl Acetate
 Concen: 234.04 ug/l
 RT: 6.08 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

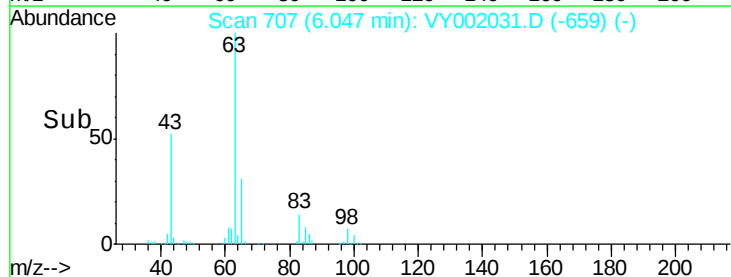
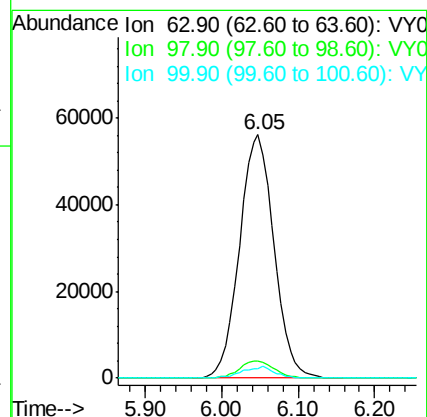
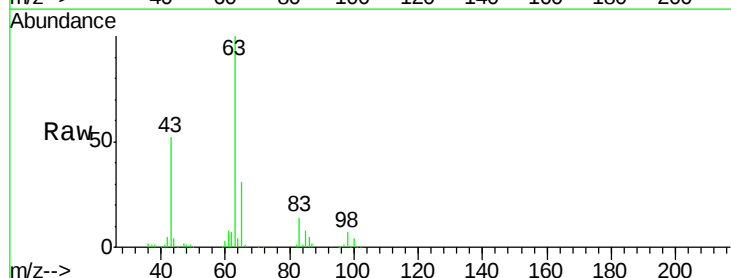
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

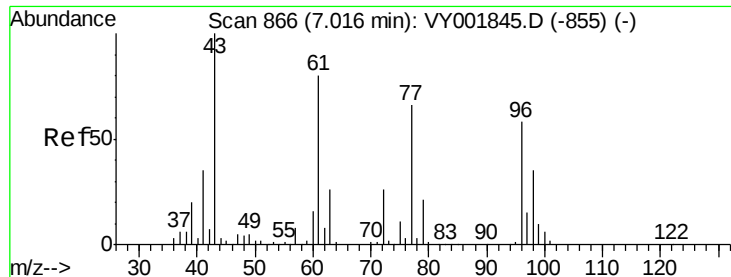
Tgt Ion: 43 Resp: 1039308
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 47.83 ug/l
 RT: 6.05 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion: 63 Resp: 175438
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.2
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 243.25 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

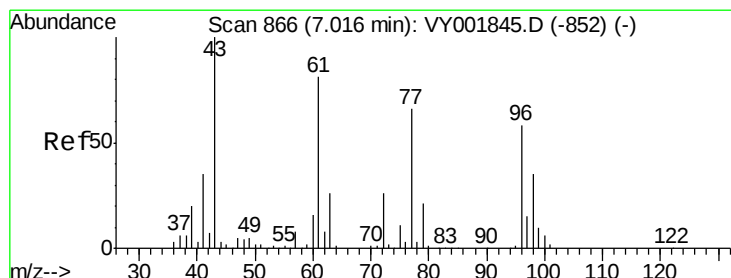
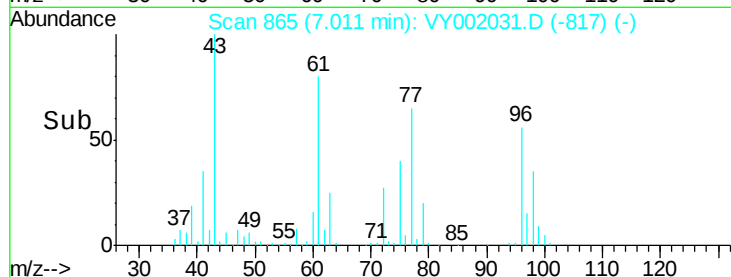
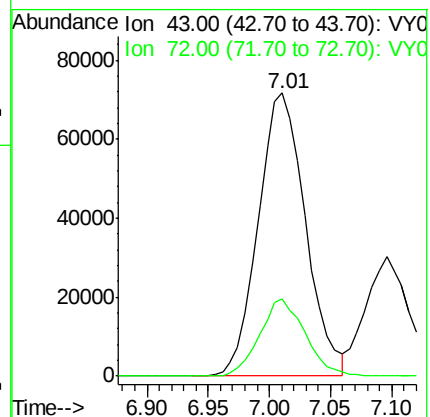
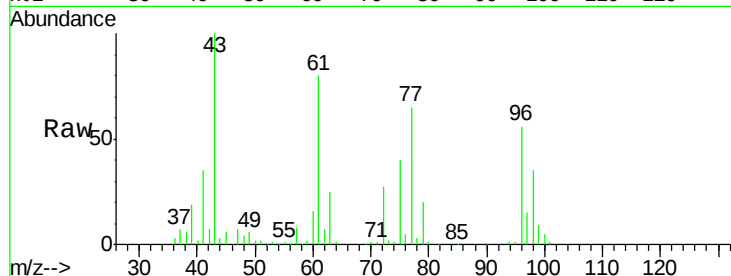
VSTDCCC050

Tgt Ion: 43 Resp: 192841

Ion Ratio Lower Upper

43 100

72 27.3 20.9 31.3



#26

2,2-Dichloropropane

Concen: 50.13 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002031.D

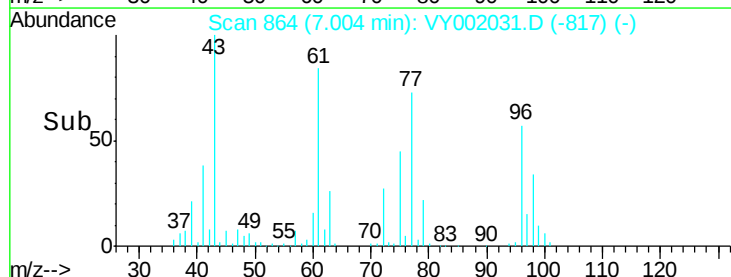
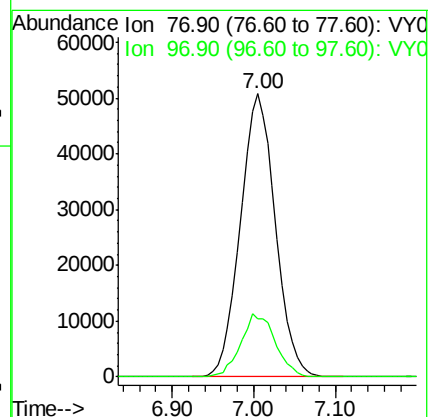
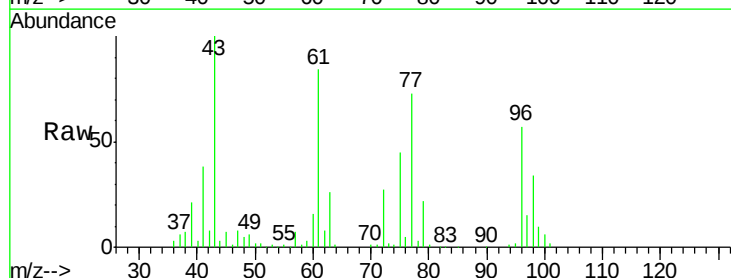
Acq: 20 Mar 2020 10:33

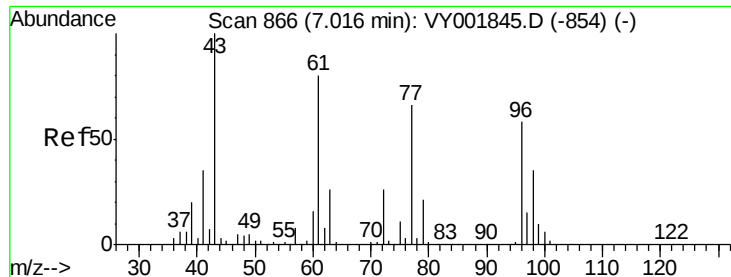
Tgt Ion: 77 Resp: 150923

Ion Ratio Lower Upper

77 100

97 22.1 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 47.94 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

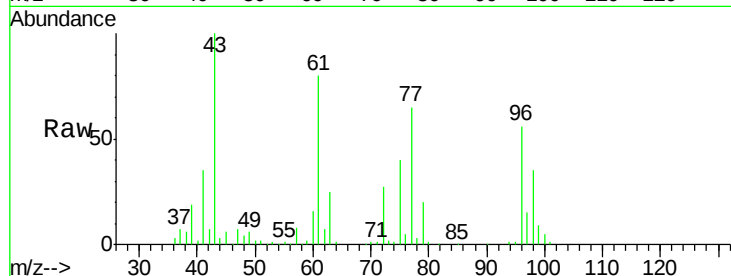
Tgt Ion: 96 Resp: 110322

Ion Ratio Lower Upper

96 100

61 146.8 0.0 288.2

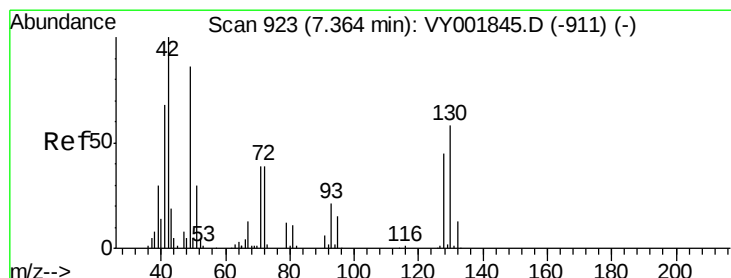
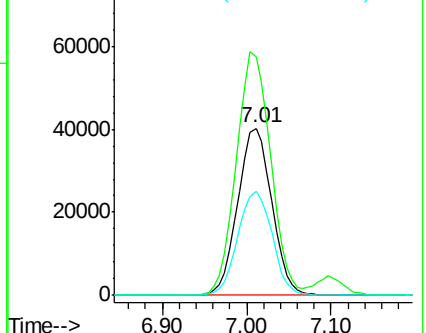
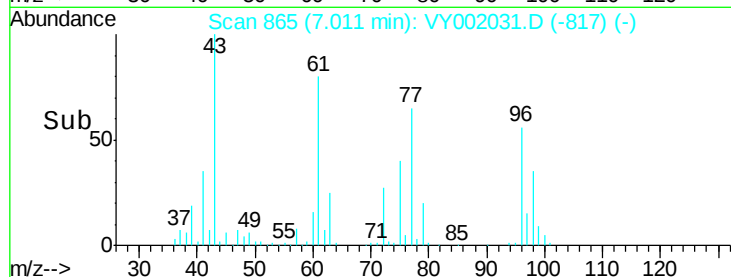
98 62.7 0.0 129.0



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: 51.49 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

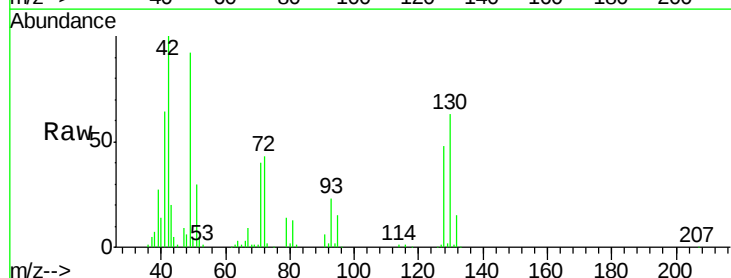
Tgt Ion: 49 Resp: 85136

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

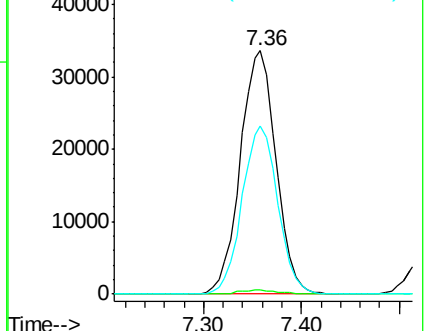
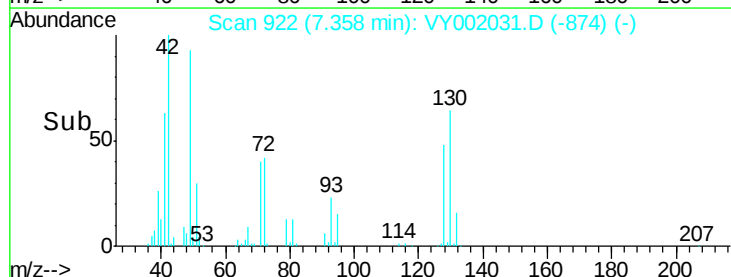
130 69.0 54.4 81.6

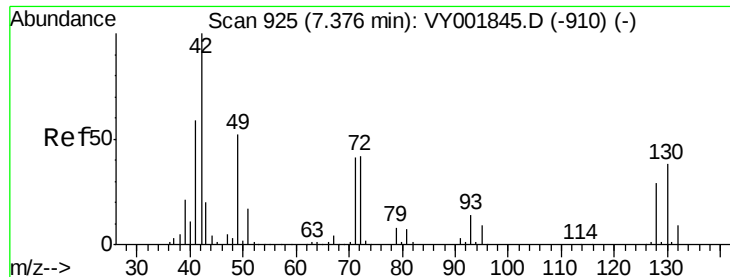


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

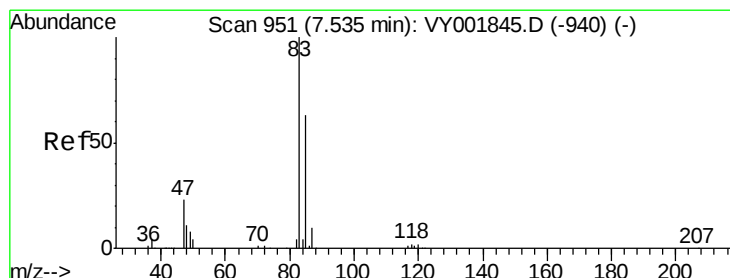
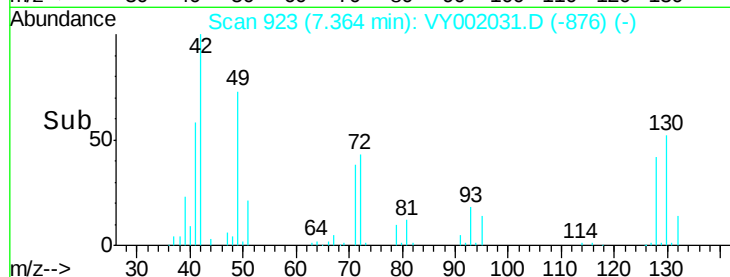
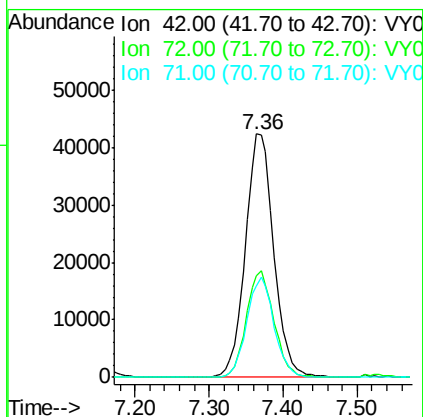
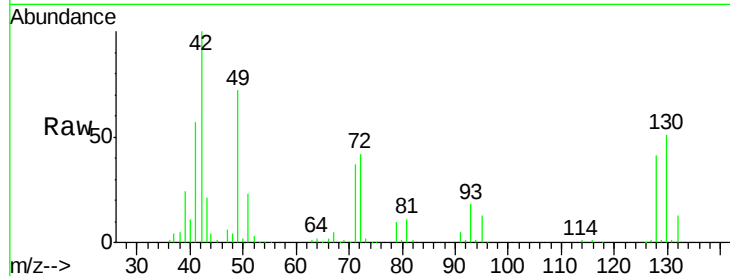




#29
Tetrahydrofuran
Concen: 215.57 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

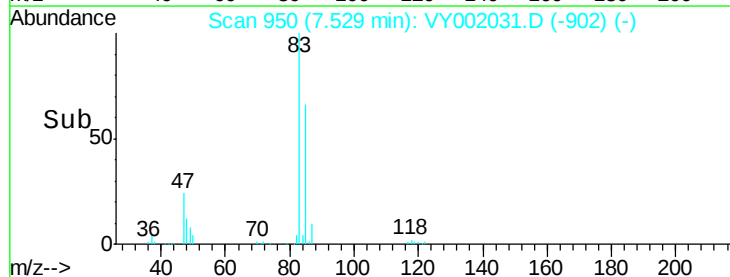
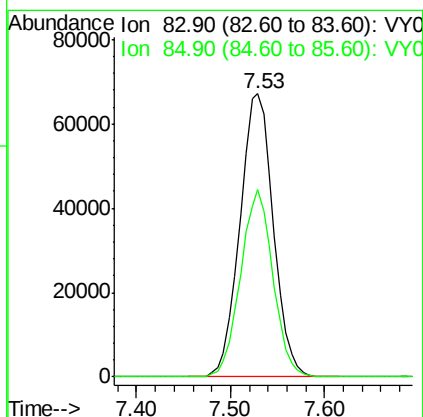
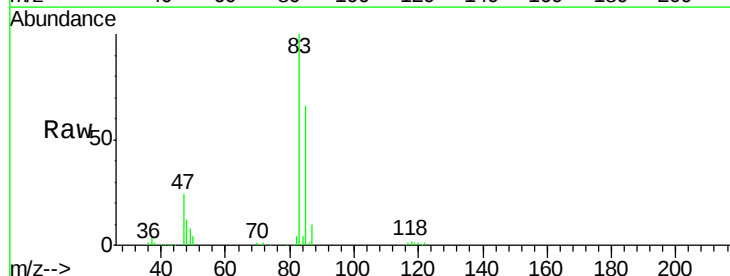
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

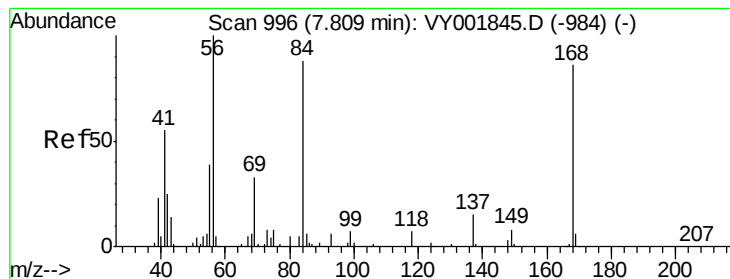
Tgt Ion: 42 Resp: 113488
Ion Ratio Lower Upper
42 100
72 42.4 33.5 50.3
71 39.5 31.3 46.9



#30
Chloroform
Concen: 48.30 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion: 83 Resp: 166472
Ion Ratio Lower Upper
83 100
85 66.1 50.7 76.1





#31

Cyclohexane

Concen: 44.29 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

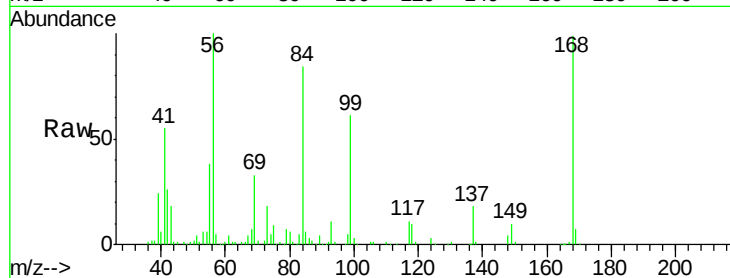
Tgt Ion: 56 Resp: 174191

Ion Ratio Lower Upper

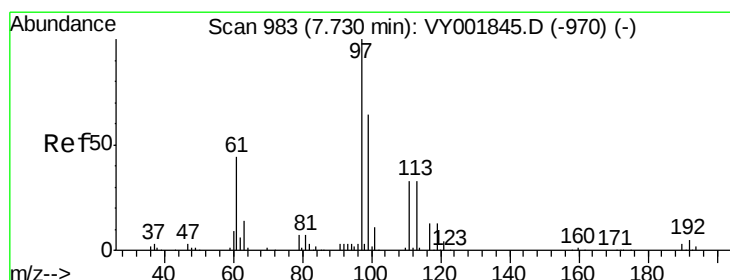
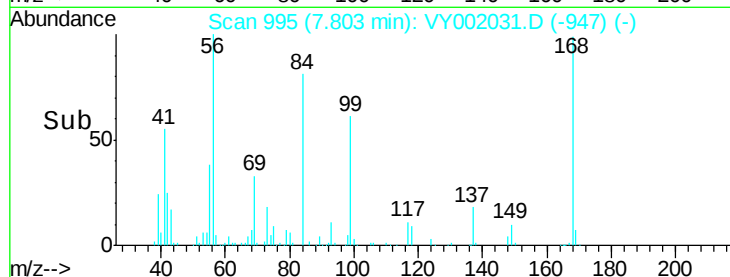
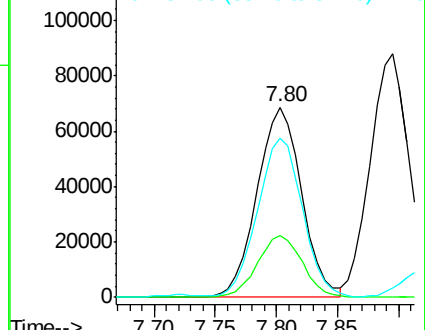
56 100

69 32.9 26.7 40.1

84 82.9 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: 48.55 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

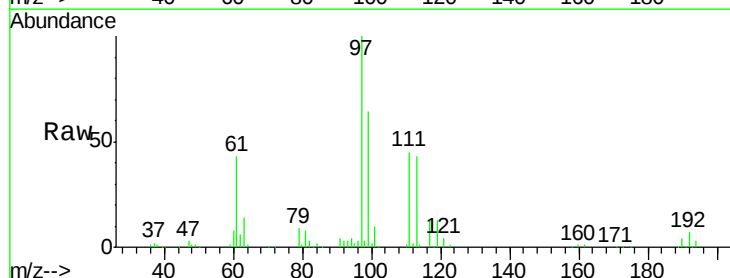
Tgt Ion: 97 Resp: 141014

Ion Ratio Lower Upper

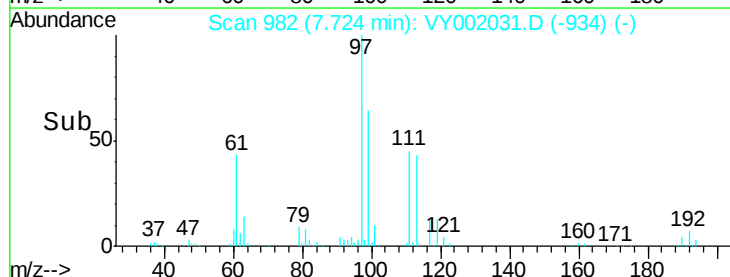
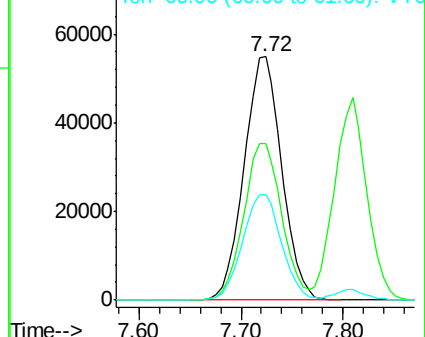
97 100

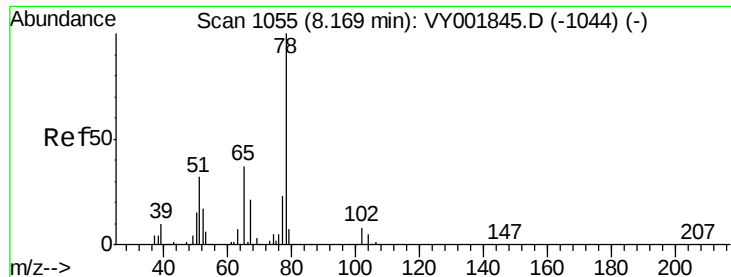
99 65.1 52.0 78.0

61 44.9 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: 48.52 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

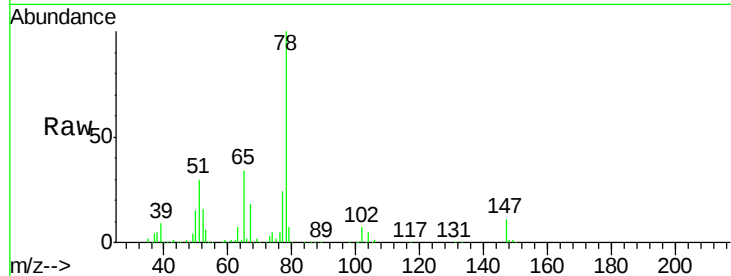
VSTDCCC050

Tgt Ion: 65 Resp: 86837

Ion Ratio Lower Upper

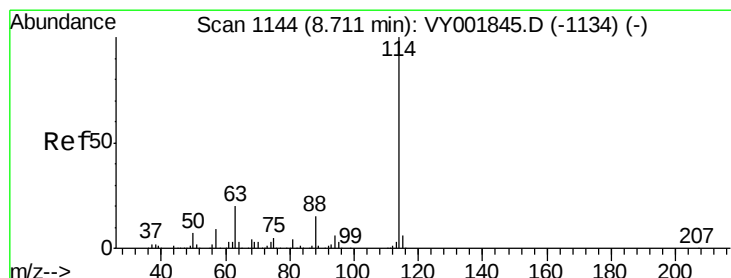
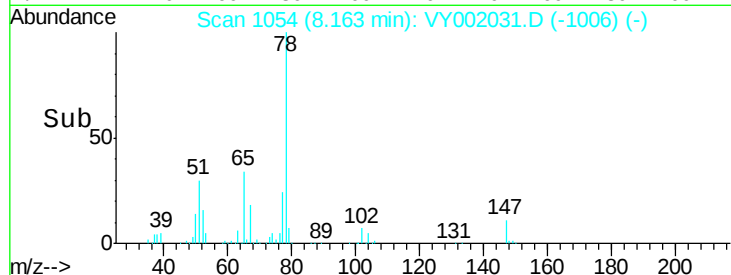
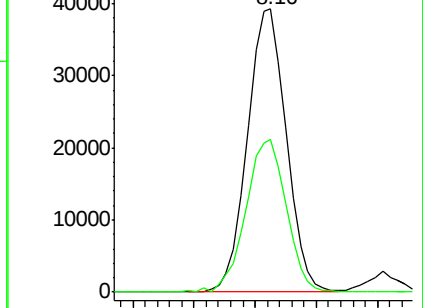
65 100

67 56.1 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

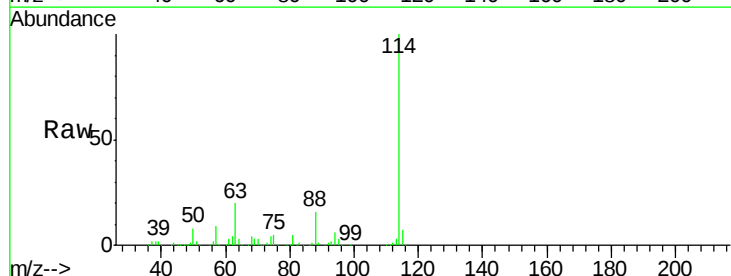
Tgt Ion: 114 Resp: 305349

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

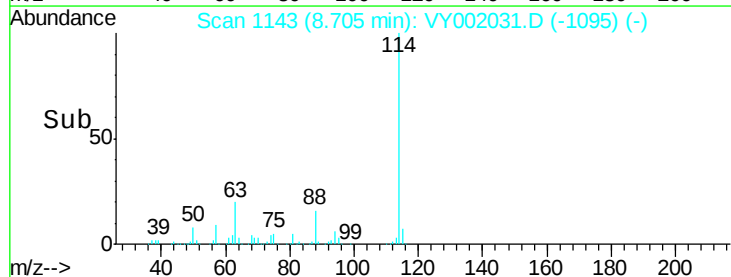
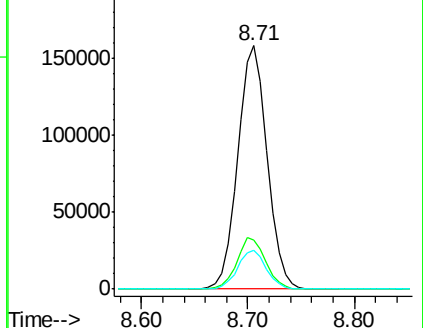
88 15.8 0.0 30.4

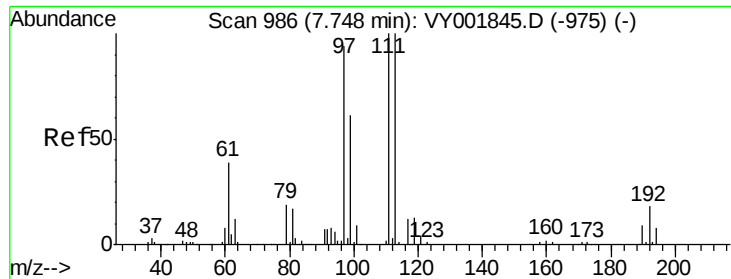


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

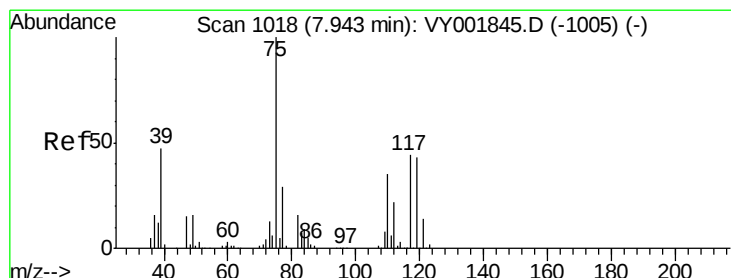
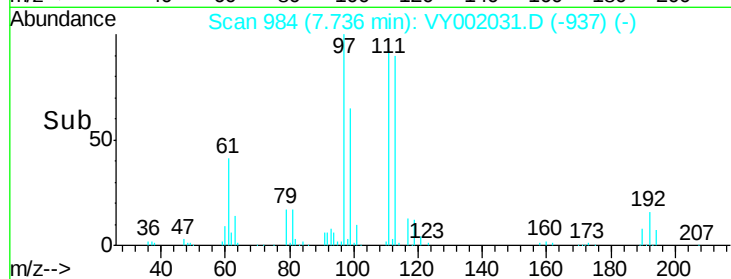
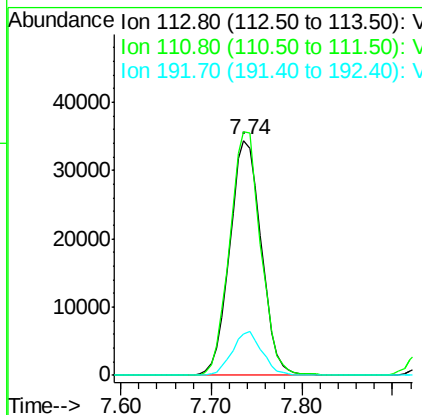
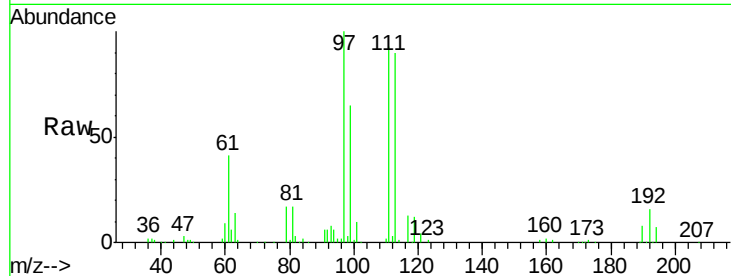




#35
 Dibromofluoromethane
 Concen: 49.86 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

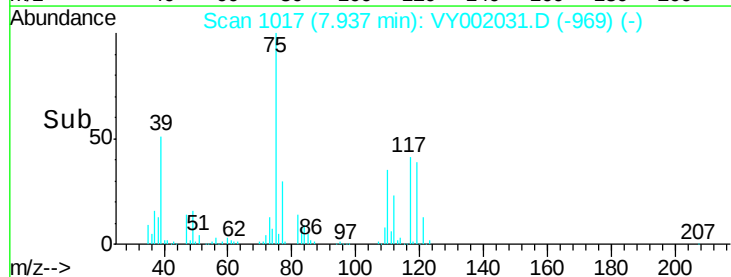
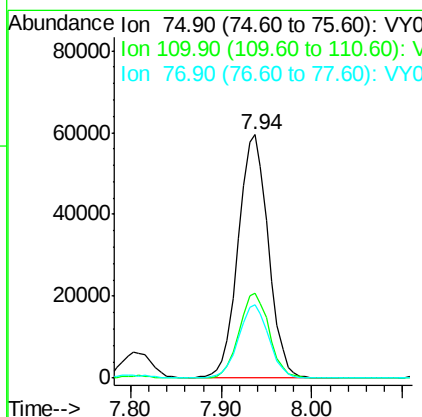
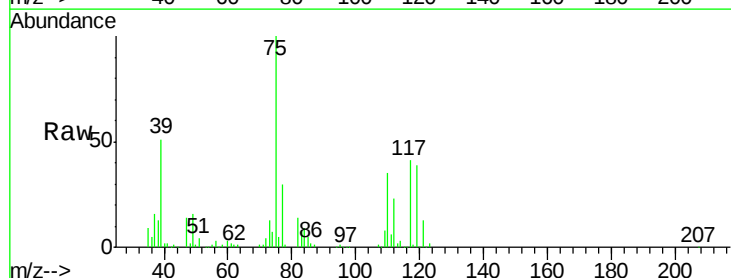
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

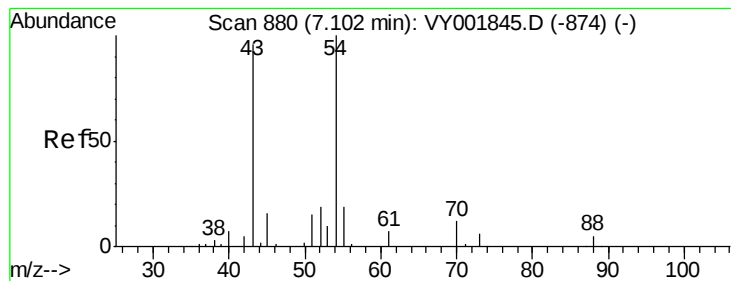
Tgt Ion:113 Resp: 83133
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.8
 192 17.8 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 46.64 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VY002031.D
 Acq: 20 Mar 2020 10:33

Tgt Ion: 75 Resp: 137036
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.4 52.2
 77 30.5 24.2 36.2





#37

Ethyl Acetate

Concen: 45.18 ug/l

RT: 7.10 min Scan# 879

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

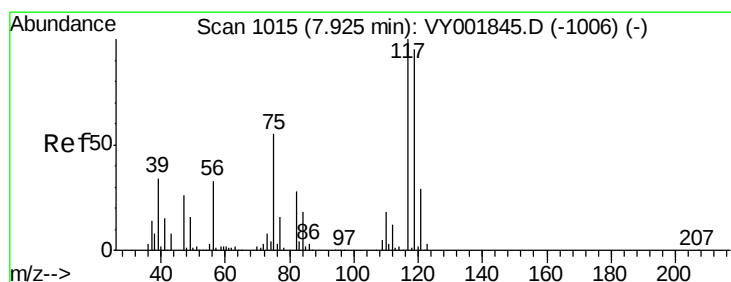
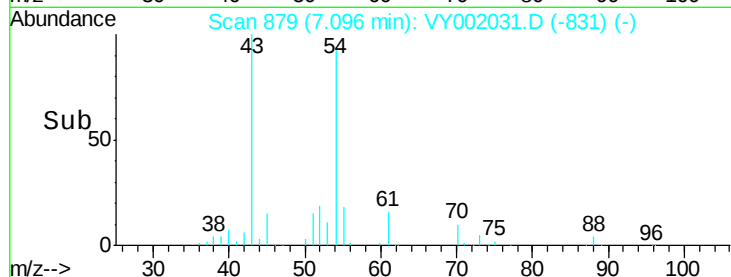
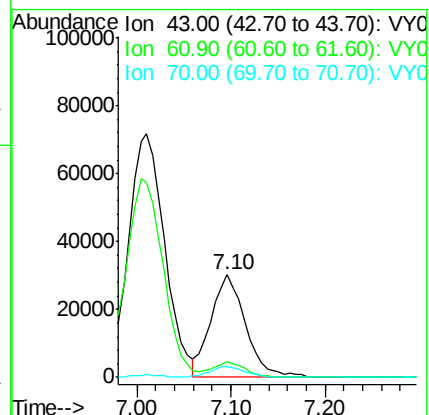
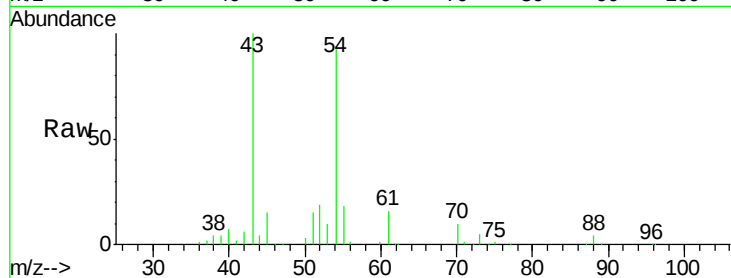
Tgt Ion: 43 Resp: 77153

Ion Ratio Lower Upper

43 100

61 14.3 11.1 16.7

70 10.8 8.2 12.4



#38

Carbon Tetrachloride

Concen: 48.56 ug/l

RT: 7.92 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

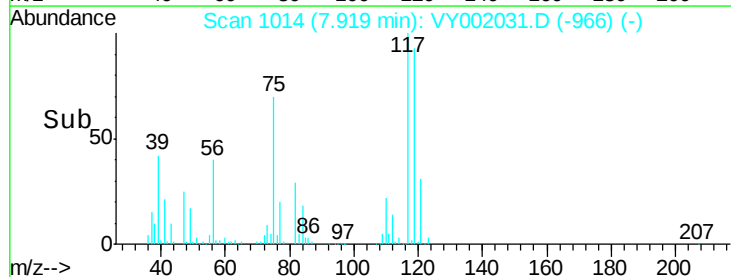
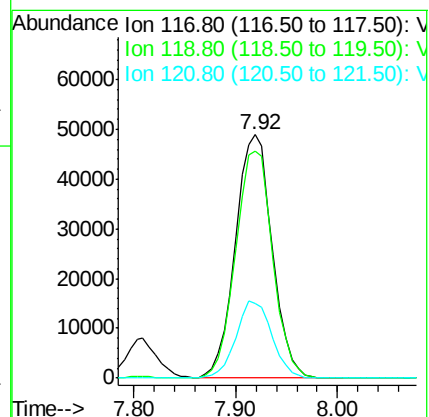
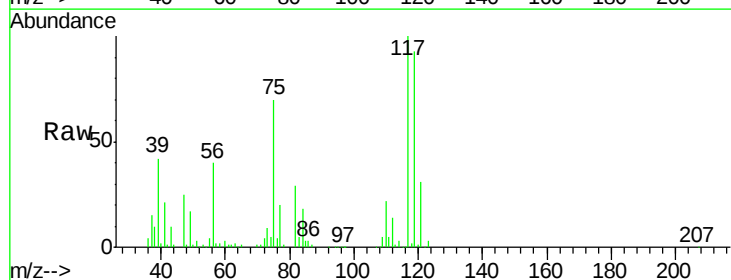
Tgt Ion: 117 Resp: 121881

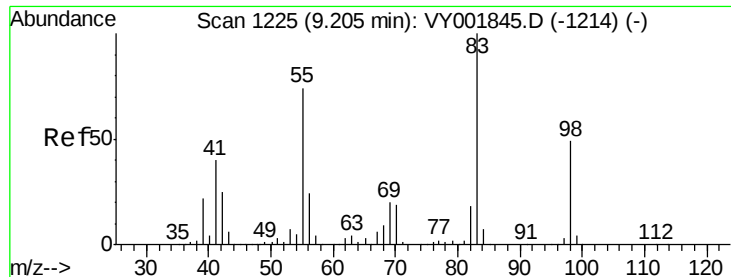
Ion Ratio Lower Upper

117 100

119 93.2 76.3 114.5

121 30.5 23.5 35.3

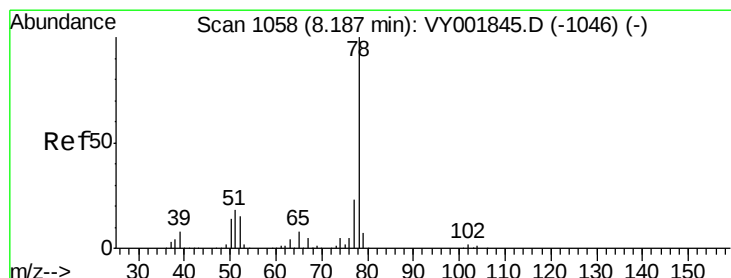
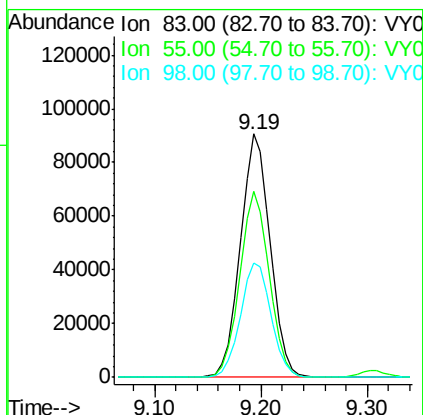
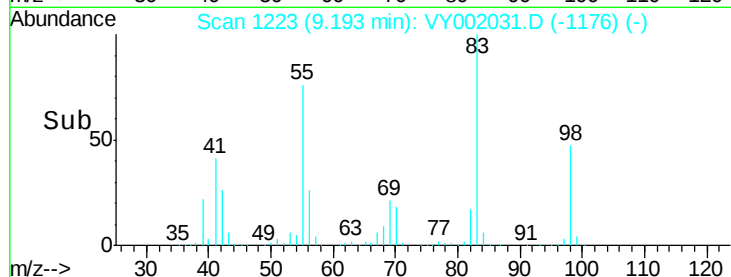
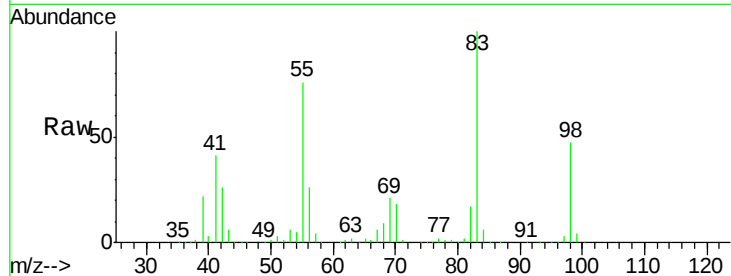




#39
Methylcyclohexane
Concen: 45.67 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

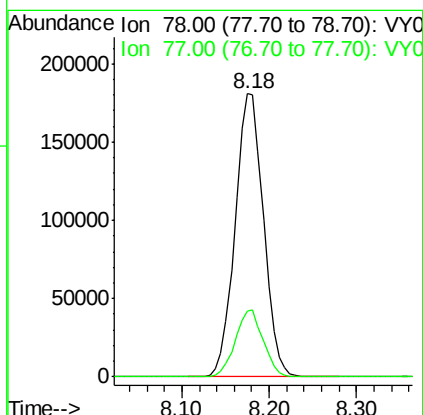
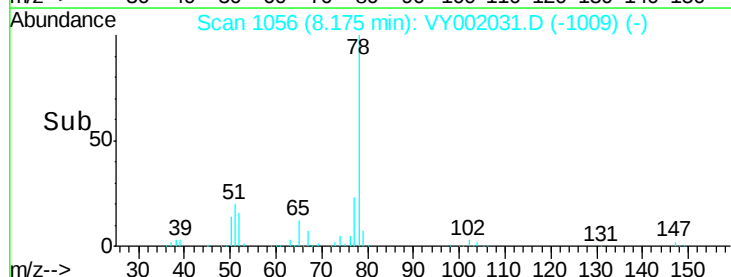
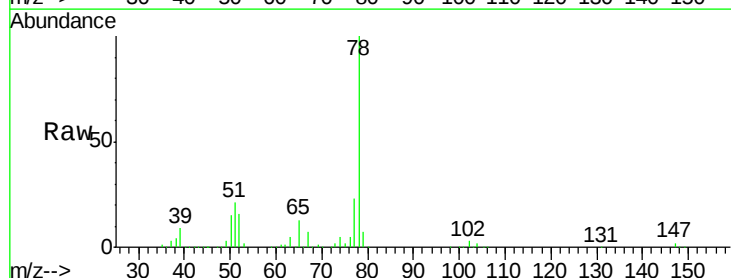
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

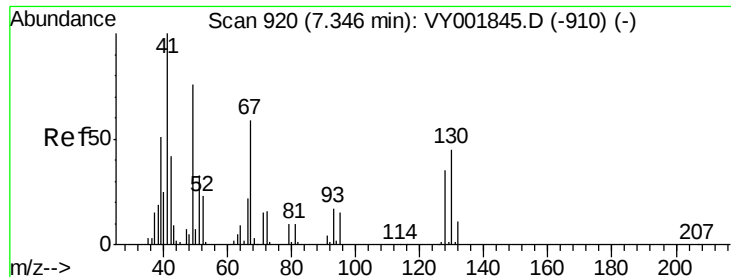
Tgt Ion: 83 Resp: 177978
Ion Ratio Lower Upper
83 100
55 76.5 59.4 89.0
98 47.2 38.9 58.3



#40
Benzene
Concen: 46.76 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion: 78 Resp: 407277
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1





#41

Methacrylonitrile

Concen: 132.33 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.02 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 101702

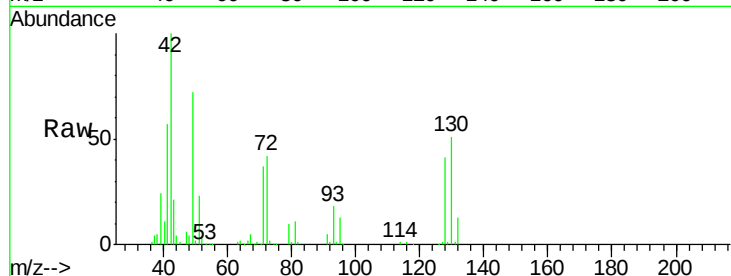
Ion Ratio Lower Upper

41 100

39 0.0 111.7 167.5#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

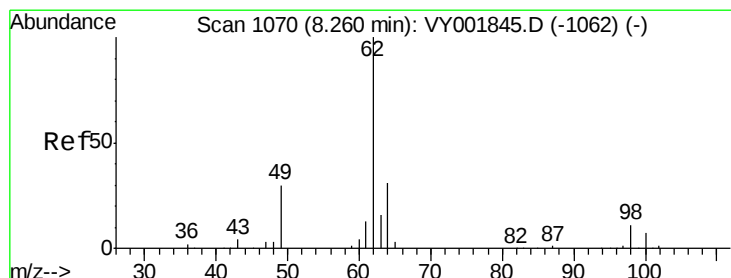
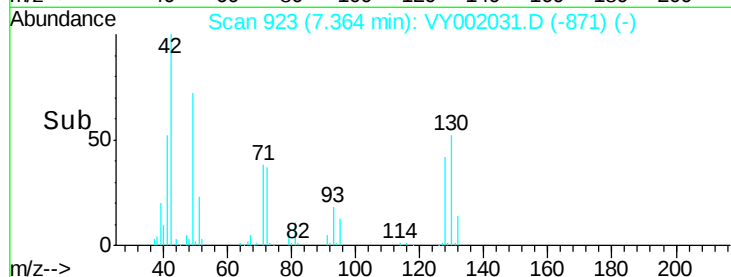
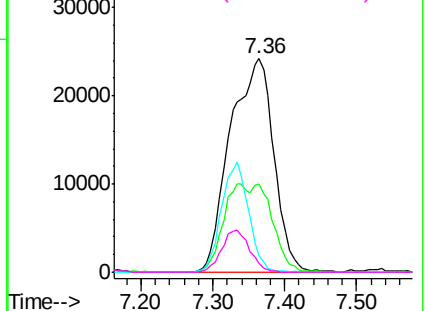


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 46.90 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY002031.D

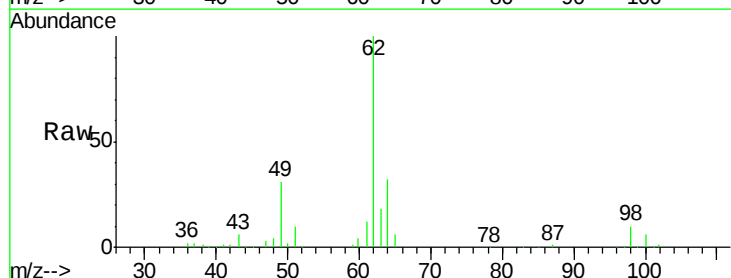
Acq: 20 Mar 2020 10:33

Tgt Ion: 62 Resp: 105249

Ion Ratio Lower Upper

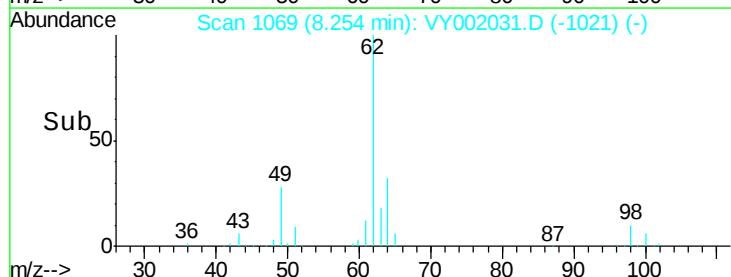
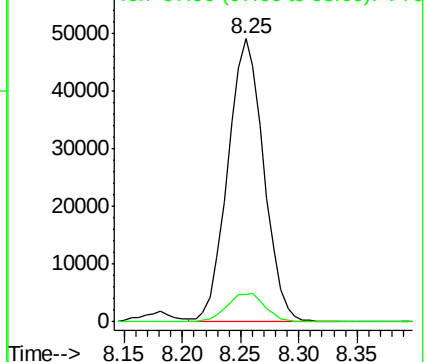
62 100

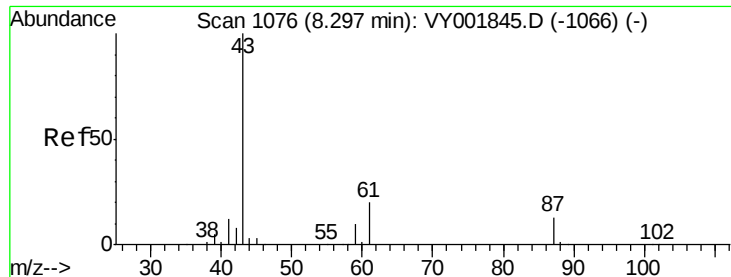
98 10.7 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

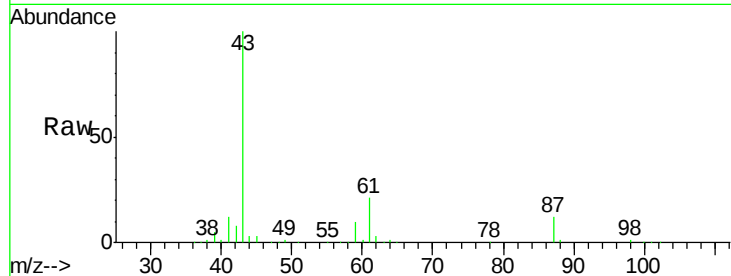




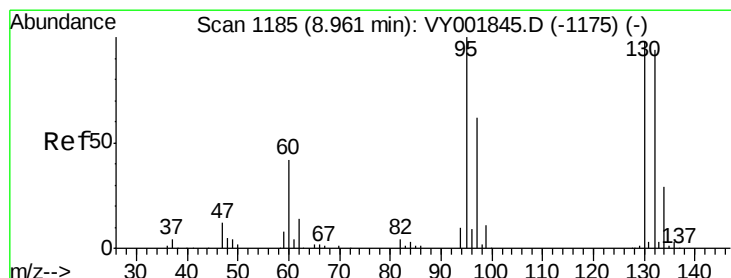
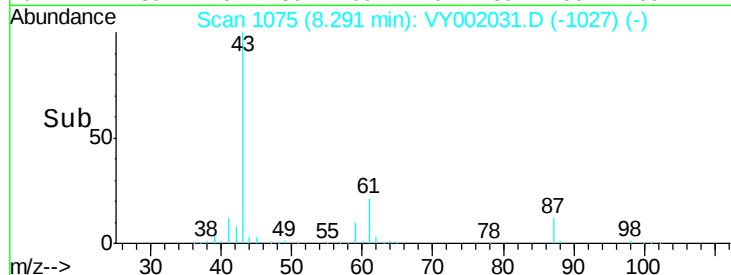
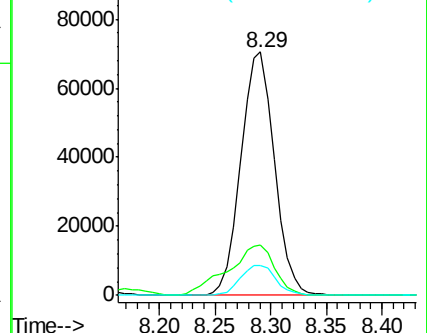
#43
Isopropyl Acetate
Concen: 45.66 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 147630
Ion Ratio Lower Upper
43 100
61 28.8 23.8 35.6
87 13.1 10.9 16.3

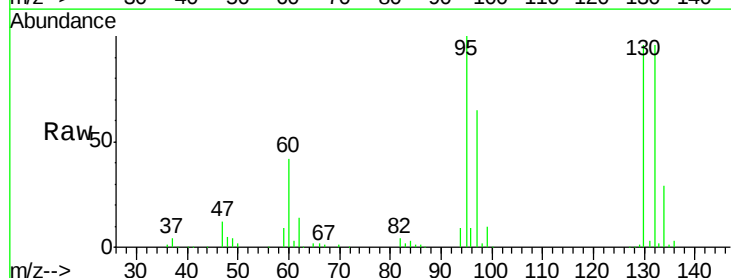


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

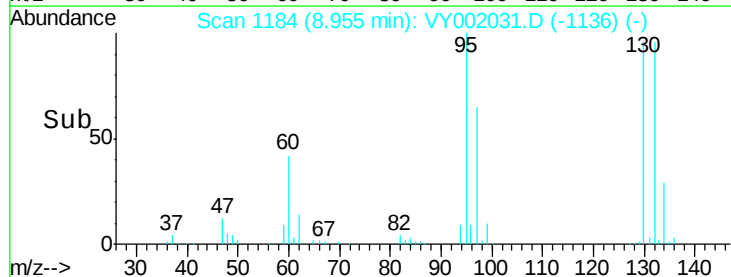
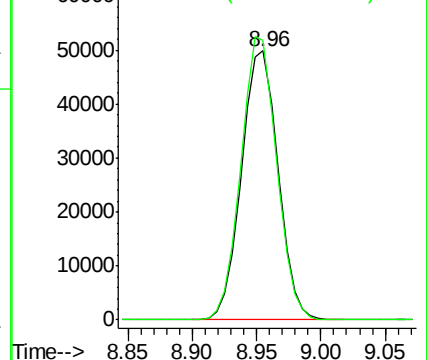


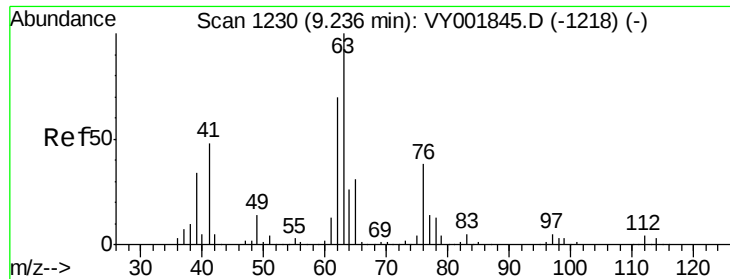
#44
Trichloroethene
Concen: 46.21 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VY002031.D
Acq: 20 Mar 2020 10:33

Tgt Ion: 130 Resp: 98015
Ion Ratio Lower Upper
130 100
95 103.8 0.0 204.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 47.85 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

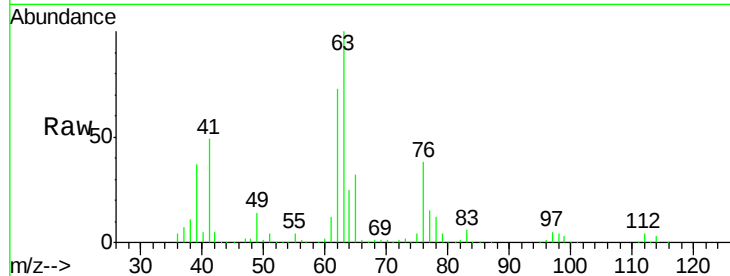
VSTDCCC050

Tgt Ion: 63 Resp: 104755

Ion Ratio Lower Upper

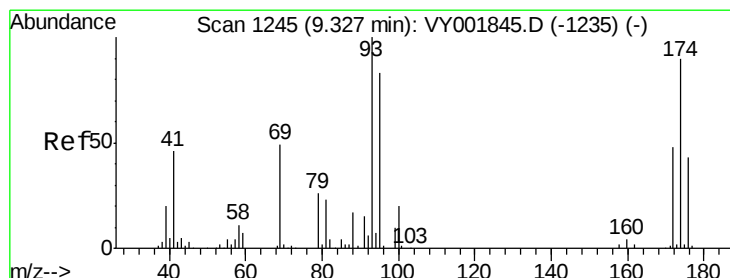
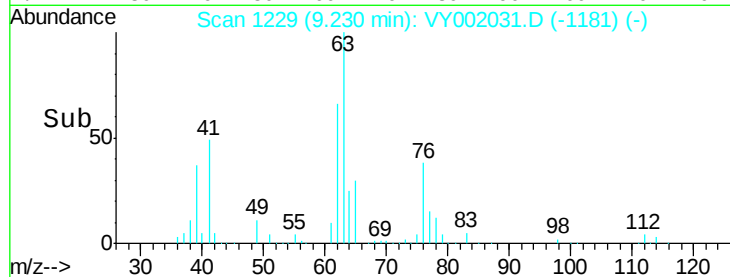
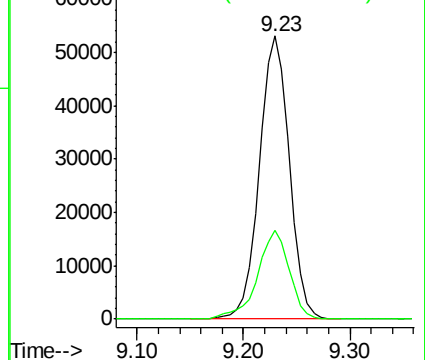
63 100

65 31.5 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 46.44 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

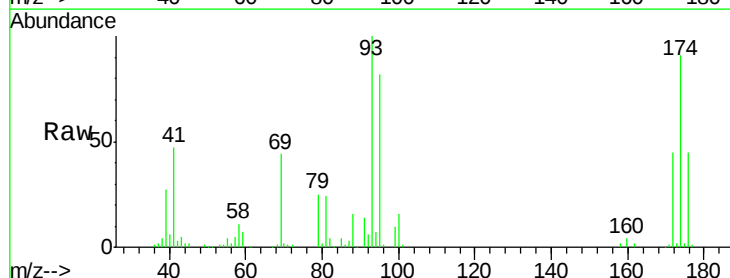
Tgt Ion: 93 Resp: 52398

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.4

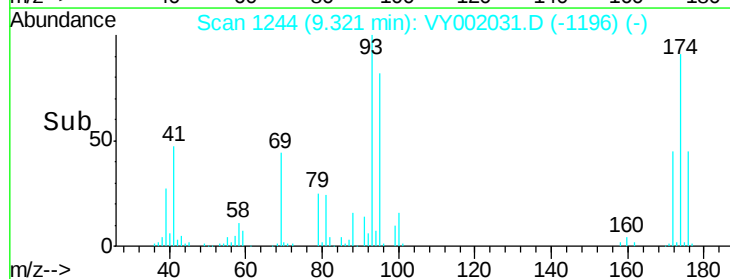
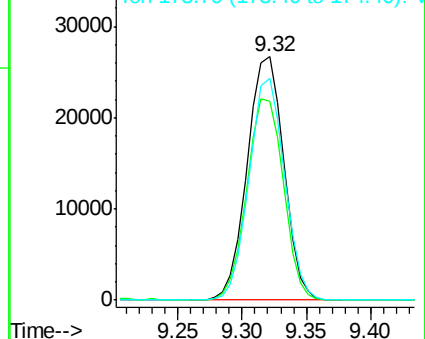
174 88.3 71.8 107.8

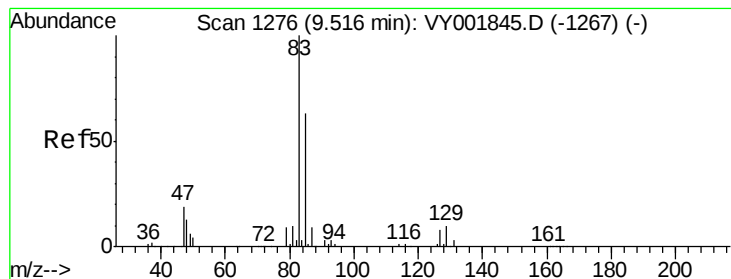


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 48.49 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

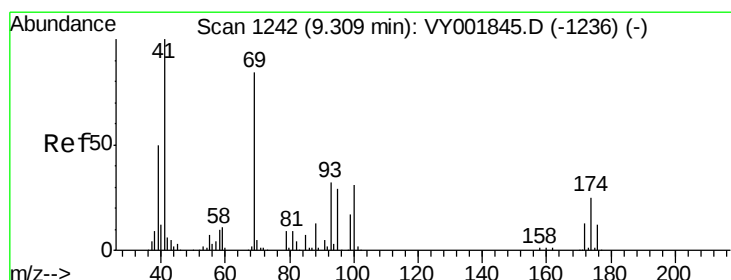
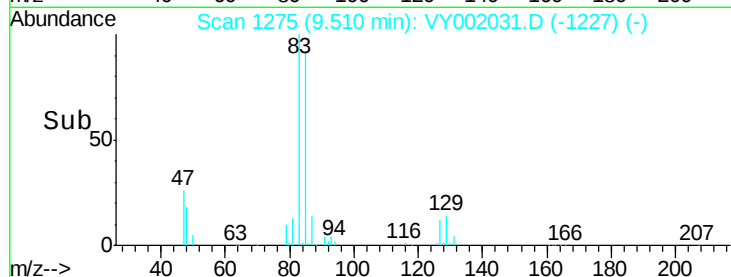
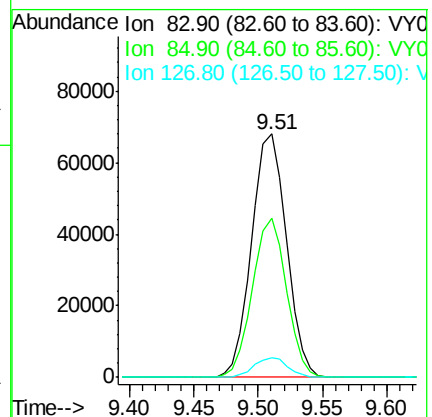
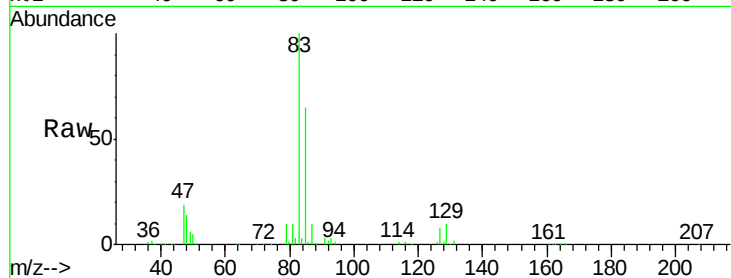
Tgt Ion: 83 Resp: 127252

Ion Ratio Lower Upper

83 100

85 65.2 50.6 76.0

127 8.1 6.2 9.4



#48

Methyl methacrylate

Concen: 45.56 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

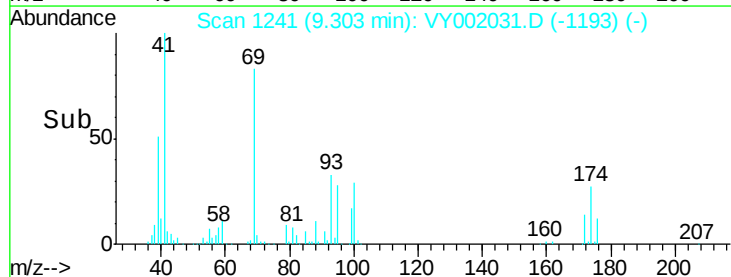
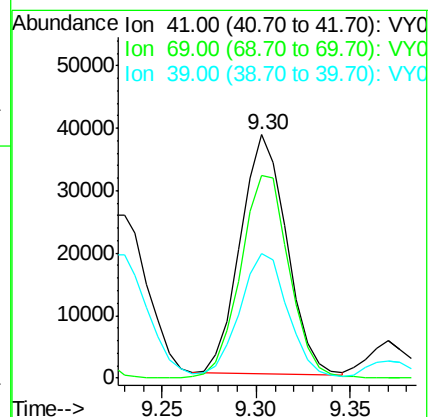
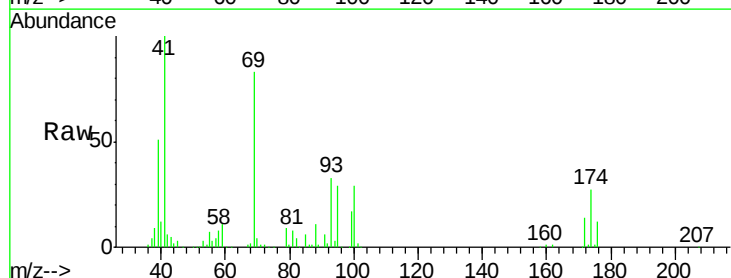
Tgt Ion: 41 Resp: 65359

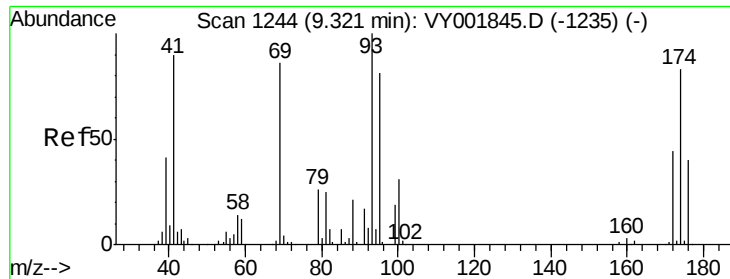
Ion Ratio Lower Upper

41 100

69 89.0 69.0 103.6

39 52.4 39.1 58.7





#49

1,4-Dioxane

Concen: 889.54 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

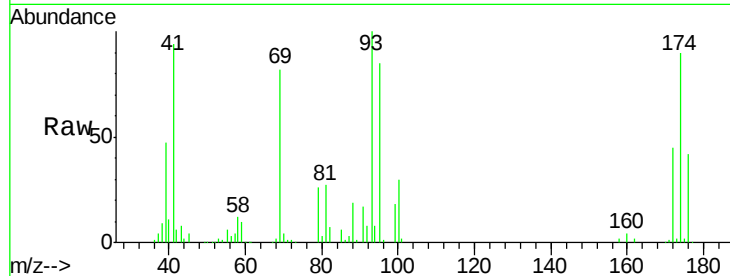
Tgt Ion: 88 Resp: 13752

Ion Ratio Lower Upper

88 100

43 28.2 25.0 37.6

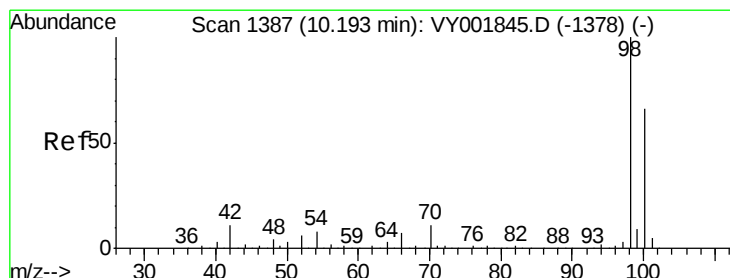
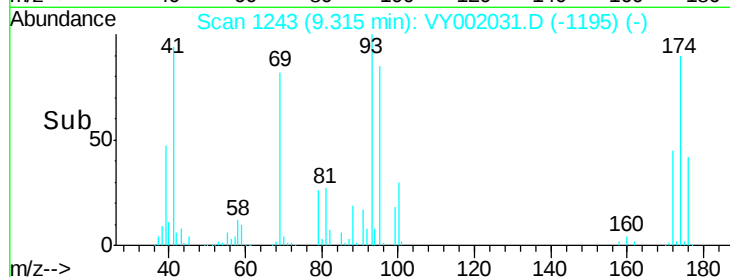
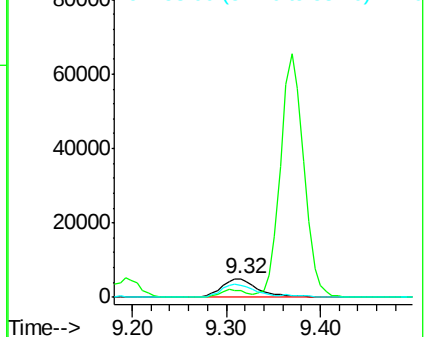
58 62.4 58.9 88.3



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: 48.16 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002031.D

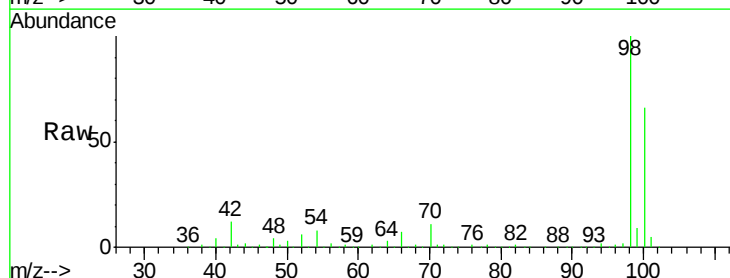
Acq: 20 Mar 2020 10:33

Tgt Ion: 98 Resp: 338632

Ion Ratio Lower Upper

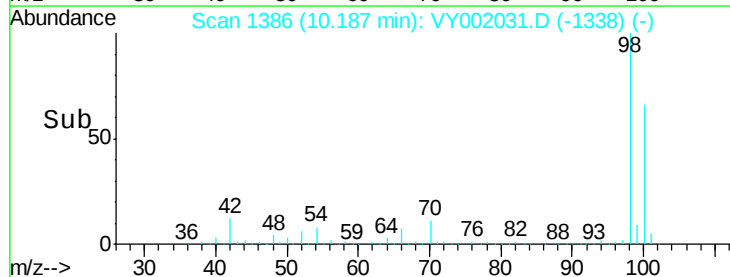
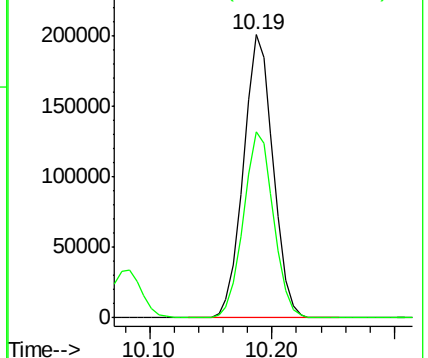
98 100

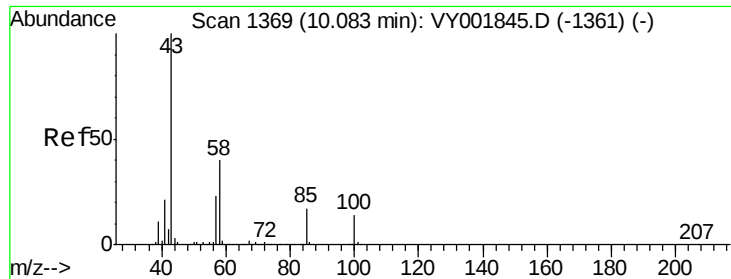
100 66.5 53.0 79.4



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: 231.26 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Instrument :

MSVOA_Y

ClientSampleId :

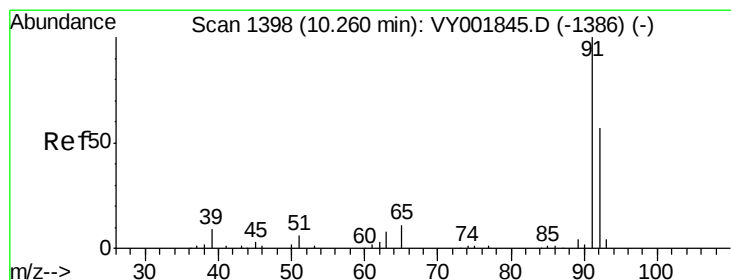
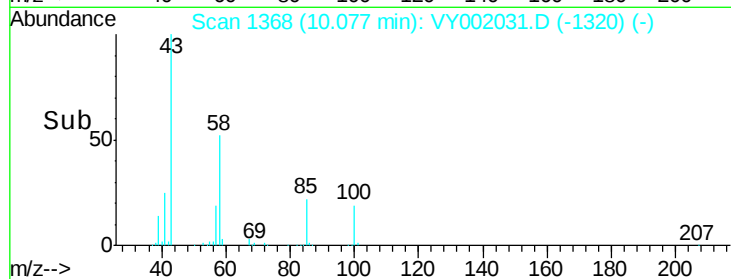
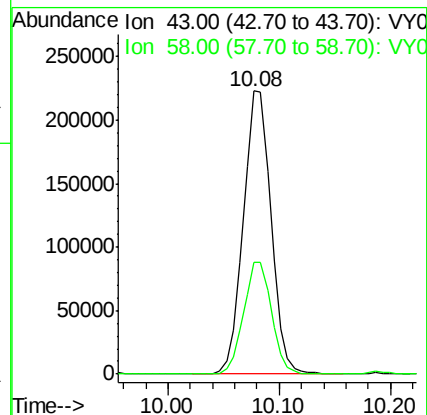
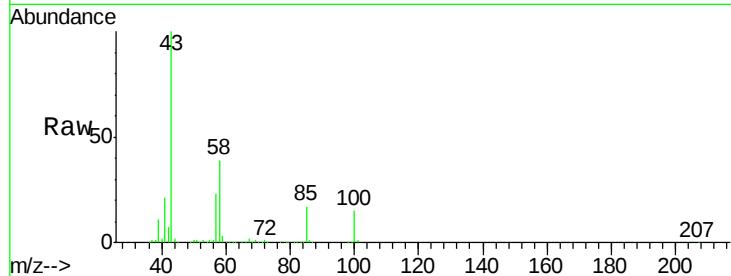
VSTDCCC050

Tgt Ion: 43 Resp: 385137

Ion Ratio Lower Upper

43 100

58 39.9 32.0 48.0



#52

Toluene

Concen: 47.36 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY002031.D

Acq: 20 Mar 2020 10:33

Tgt Ion: 92 Resp: 250563

Ion Ratio Lower Upper

92 100

91 171.0 138.6 208.0

