

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031220\
 Data File : VY001969.D
 Acq On : 12 Mar 2020 20:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 13 05:43:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	175694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	333080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	298586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136327	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	98928	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.75	113	92748	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.19	98	378043	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.49	95	134053	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	70156	43.26	ug/l	97
3) Chloromethane	2.13	50	99100	45.32	ug/l	99
4) Vinyl Chloride	2.27	62	103297	46.44	ug/l	99
5) Bromomethane	2.67	94	69875	54.29	ug/l	100
6) Chloroethane	2.82	64	68578	49.09	ug/l	100
7) Trichlorofluoromethane	3.15	101	140613	46.62	ug/l	99
8) Diethyl Ether	3.55	74	60838	51.18	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	92128	47.49	ug/l	99
10) Methyl Iodide	4.12	142	111802	49.83	ug/l	99
11) Tert butyl alcohol	5.00	59	57645	299.83	ug/l	98
12) 1,1-Dichloroethene	3.90	96	94036	48.14	ug/l	94
13) Acrolein	3.76	56	62062	235.46	ug/l	96
14) Allyl chloride	4.52	41	179521	51.84	ug/l	99
15) Acrylonitrile	5.21	53	158865	250.08	ug/l	98
16) Acetone	3.98	43	124769	228.39	ug/l	100
17) Carbon Disulfide	4.22	76	299693	45.64	ug/l	99
18) Methyl Acetate	4.52	43	69900	49.80	ug/l	97
19) Methyl tert-butyl Ether	5.26	73	280729	53.03	ug/l	98
20) Methylene Chloride	4.75	84	118052	50.42	ug/l	97
21) trans-1,2-Dichloroethene	5.26	96	110499	49.84	ug/l	98
22) Diisopropyl ether	6.15	45	377832	53.23	ug/l	98
23) Vinyl Acetate	6.10	43	1200818	258.04	ug/l	99
24) 1,1-Dichloroethane	6.06	63	199607	51.93	ug/l	99
25) 2-Butanone	7.02	43	201327	242.34	ug/l	100
26) 2,2-Dichloropropane	7.02	77	155584	49.31	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	124272	51.53	ug/l	98
28) Bromochloromethane	7.36	49	91148	52.60	ug/l	99
29) Tetrahydrofuran	7.38	42	134598	243.97	ug/l	100
30) Chloroform	7.54	83	189676	52.52	ug/l	99
31) Cyclohexane	7.81	56	190699	46.27	ug/l	95
32) 1,1,1-Trichloroethane	7.73	97	156958	51.56	ug/l	99
36) 1,1-Dichloropropene	7.94	75	151207	47.17	ug/l	99
37) Ethyl Acetate	7.11	43	90257	48.45	ug/l	99
38) Carbon Tetrachloride	7.93	117	131488	48.02	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	193084	45.42	ug/l	97
40) Benzene	8.19	78	468413	49.30	ug/l	98
41) Methacrylonitrile	7.38	41	122406	146.00	ug/l #	1
42) 1,2-Dichloroethane	8.27	62	123677	50.52	ug/l	100
43) Isopropyl Acetate	8.30	43	173077	49.07	ug/l	98
44) Trichloroethene	8.96	130	110106	47.59	ug/l	99
45) 1,2-Dichloropropane	9.24	63	121901	51.04	ug/l	99
46) Dibromomethane	9.33	93	61232	49.75	ug/l	98
47) Bromodichloromethane	9.52	83	147444	51.50	ug/l	97
48) Methyl methacrylate	9.32	41	77623	49.60	ug/l	93
49) 1,4-Dioxane	9.32	88	16356	969.89	ug/l	98
51) 4-Methyl-2-Pentanone	10.09	43	449681	247.53	ug/l	99
52) Toluene	10.26	92	283716	49.16	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	159710	51.20	ug/l	94
54) cis-1,3-Dichloropropene	9.94	75	186605	50.26	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	89248	49.55	ug/l	96
56) Ethyl methacrylate	10.52	69	132428	50.16	ug/l	97
57) 1,3-Dichloropropane	10.80	76	160349	49.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	216618	232.46	ug/l	99
59) 2-Hexanone	10.85	43	304726	235.01	ug/l	99
60) Dibromochloromethane	11.00	129	96448	50.82	ug/l	100
61) 1,2-Dibromoethane	11.10	107	84311	49.42	ug/l	100
64) Tetrachloroethene	10.74	164	90085	48.11	ug/l	99
65) Chlorobenzene	11.53	112	291983	49.08	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	99288	50.89	ug/l	100
67) Ethyl Benzene	11.60	91	546543	49.26	ug/l	99
68) m/p-Xylenes	11.71	106	396401	96.63	ug/l	98
69) o-Xylene	12.04	106	190360	49.23	ug/l	99
70) Styrene	12.05	104	334171	50.46	ug/l	99
71) Bromoform	12.22	173	53975	51.01	ug/l #	98
73) Isopropylbenzene	12.34	105	508335	48.85	ug/l	100
74) N-amyl acetate	12.15	43	158585	49.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	109004	48.57	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	142500	88.09	ug/l #	100
77) Bromobenzene	12.62	156	109000	49.44	ug/l	100
78) n-propylbenzene	12.68	91	621250	48.39	ug/l	100
79) 2-Chlorotoluene	12.77	91	352998	49.76	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	421934	49.25	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	38607	48.21	ug/l	99
82) 4-Chlorotoluene	12.86	91	367268	49.73	ug/l	99
83) tert-Butylbenzene	13.08	119	351158	49.35	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	418519	49.22	ug/l	100
85) sec-Butylbenzene	13.26	105	512383	48.85	ug/l	100
86) p-Isopropyltoluene	13.38	119	442762	48.94	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	210971	48.83	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	210835	48.10	ug/l	99
89) n-Butylbenzene	13.70	91	447335	47.65	ug/l	99
90) Hexachloroethane	13.97	117	85519	50.10	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	196029	49.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	16531	47.20	ug/l	99

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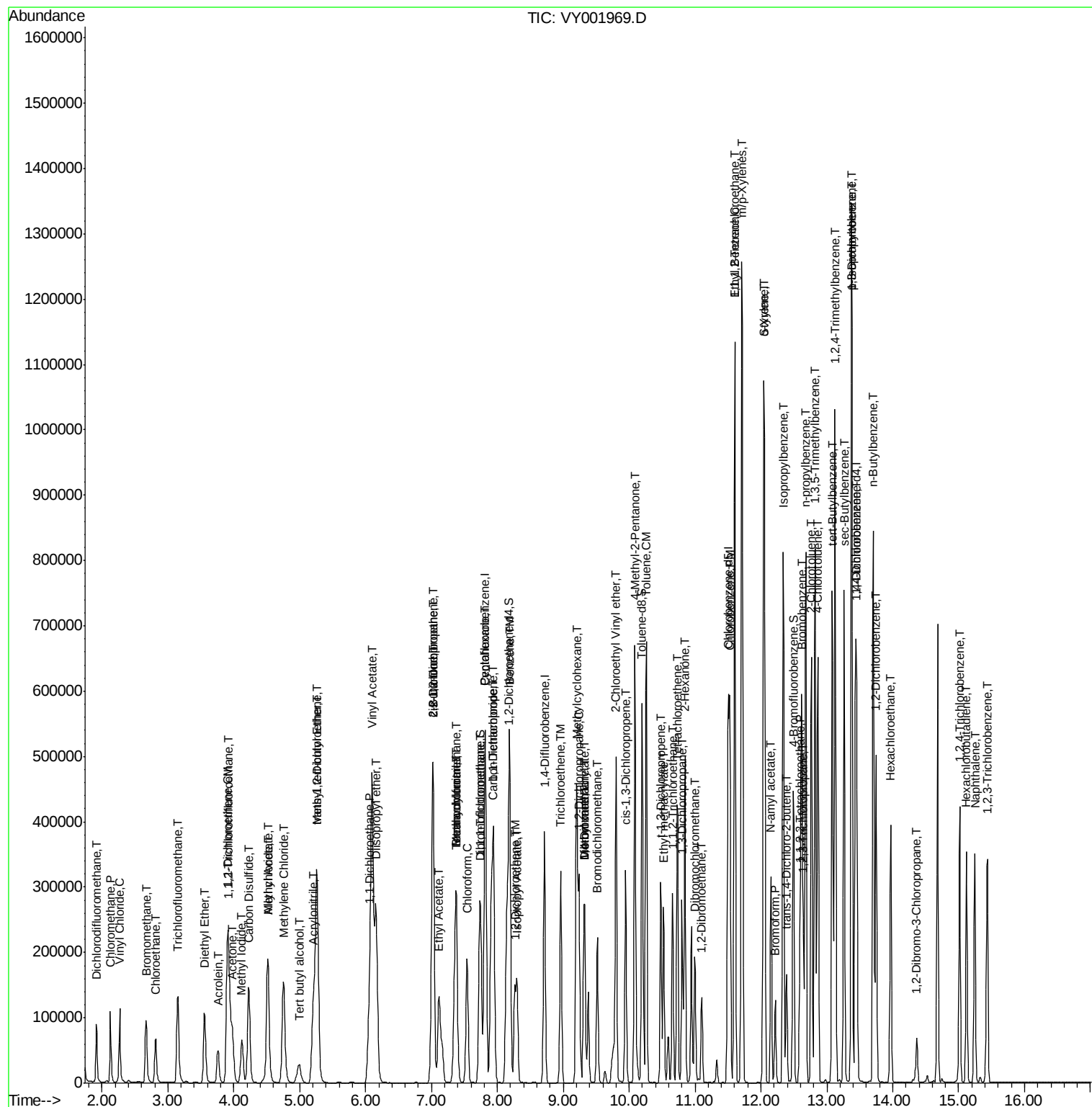
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	120543	47.35	ug/l	98
94) Hexachlorobutadiene	15.12	225	57450	46.29	ug/l	99
95) Naphthalene	15.25	128	290240	48.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	107170	47.79	ug/l	100

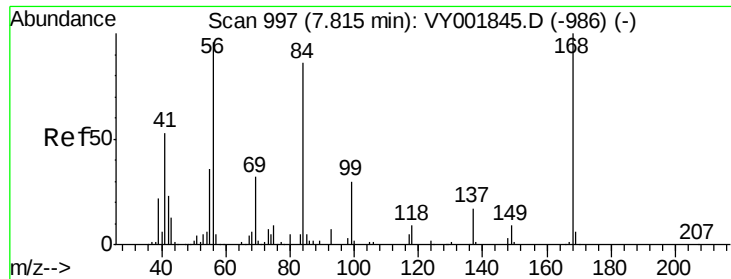
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

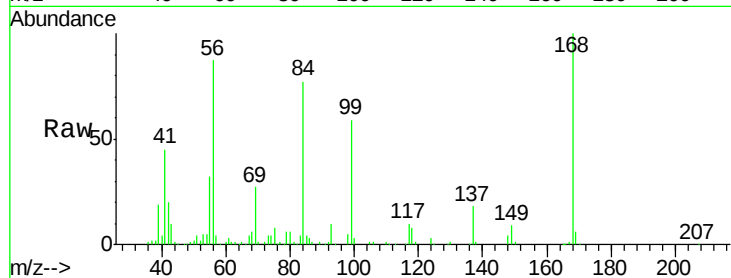
VSTDCCC050EC

Tgt Ion:168 Resp: 175694

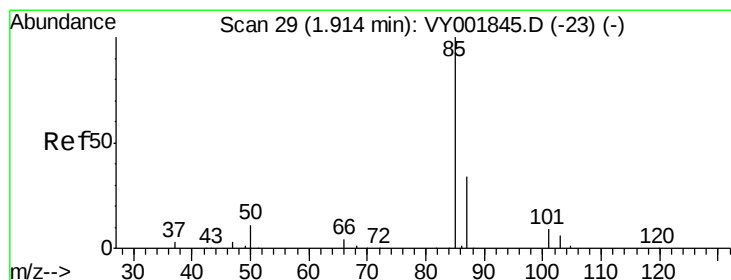
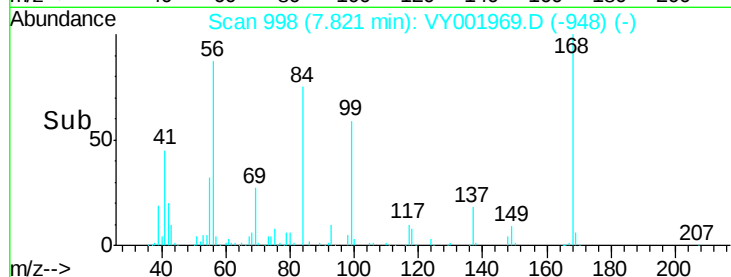
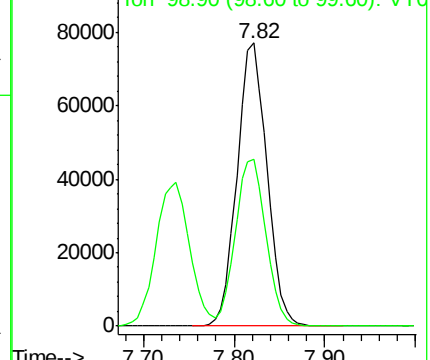
Ion Ratio Lower Upper

168 100

99 58.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001969.D (-948) (-)



#2

Dichlorodifluoromethane

Concen: 43.26 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001969.D

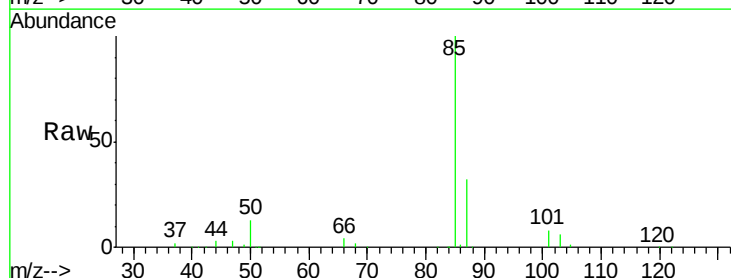
Acq: 12 Mar 2020 20:54

Tgt Ion: 85 Resp: 70156

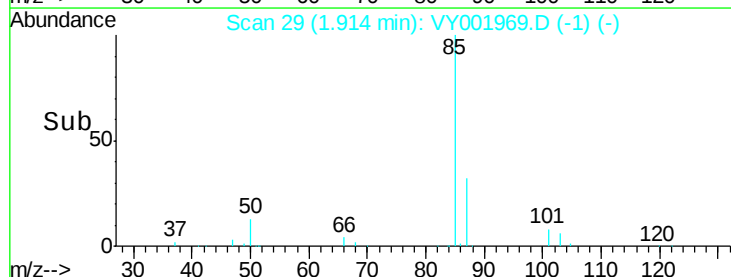
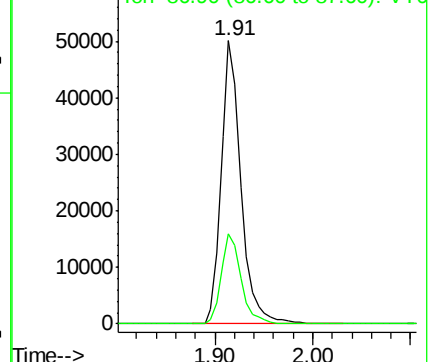
Ion Ratio Lower Upper

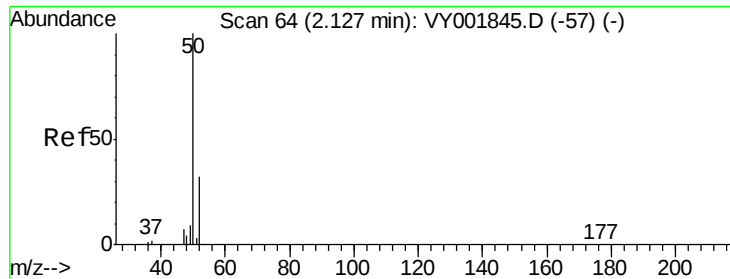
85 100

87 32.0 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001969.D (-1) (-)





#3

Chloromethane

Concen: 45.32 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

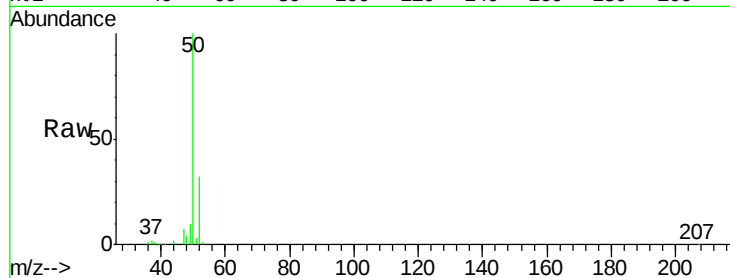
VSTDCCC050EC

Tgt Ion: 50 Resp: 99100

Ion Ratio Lower Upper

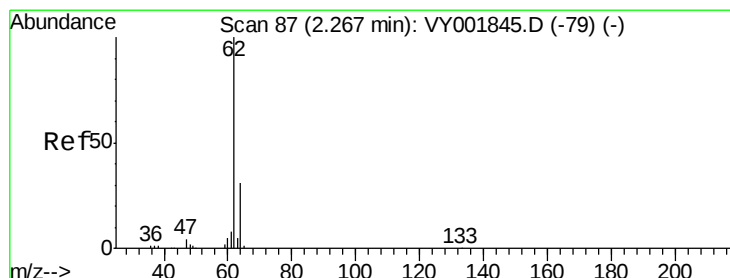
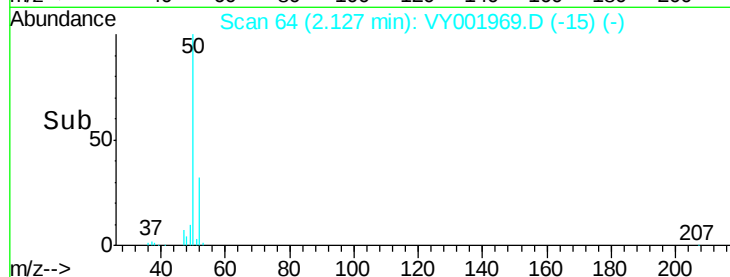
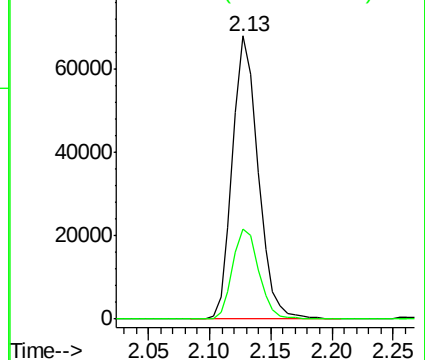
50 100

52 31.7 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: 46.44 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001969.D

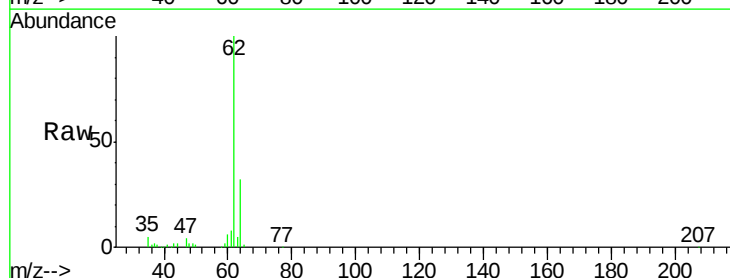
Acq: 12 Mar 2020 20:54

Tgt Ion: 62 Resp: 103297

Ion Ratio Lower Upper

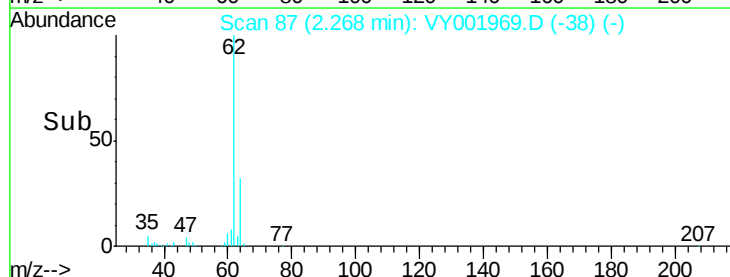
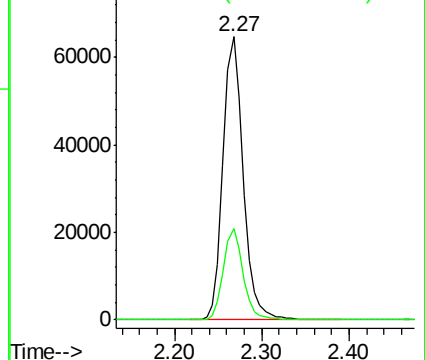
62 100

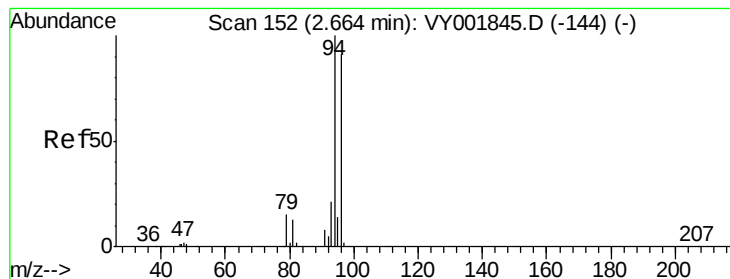
64 32.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 54.29 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

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ClientSampleId :

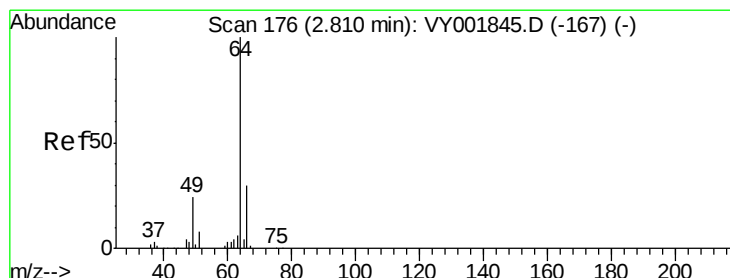
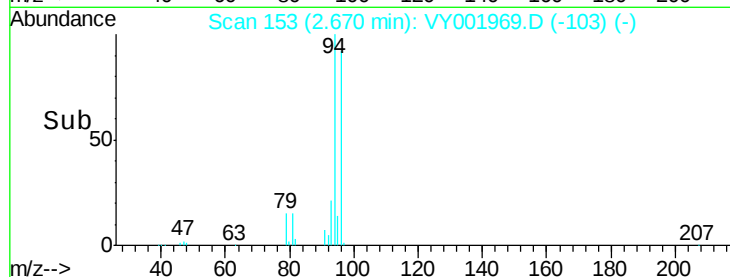
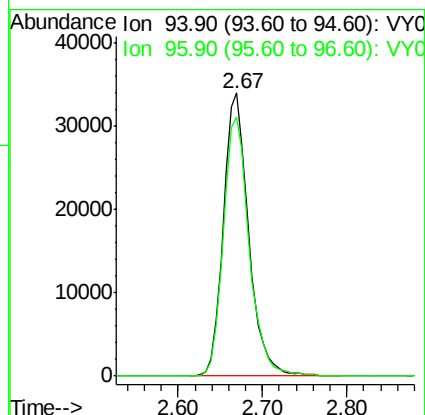
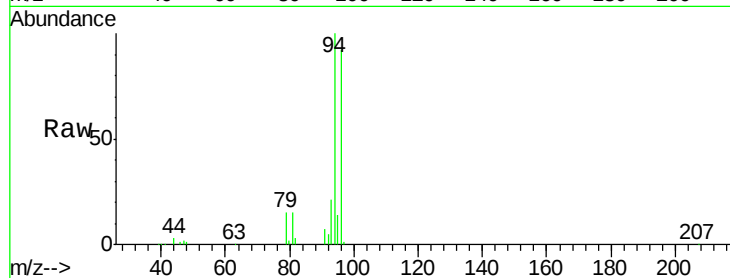
VSTDCCC050EC

Tgt Ion: 94 Resp: 69875

Ion Ratio Lower Upper

94 100

96 91.7 73.2 109.8



#6

Chloroethane

Concen: 49.09 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001969.D

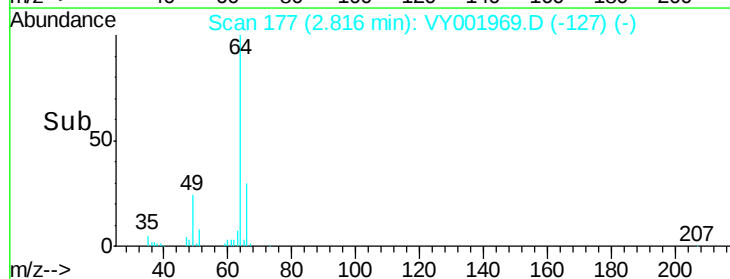
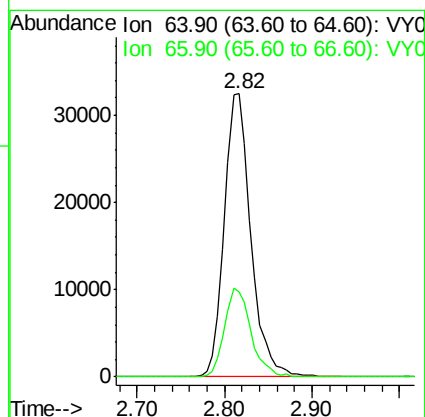
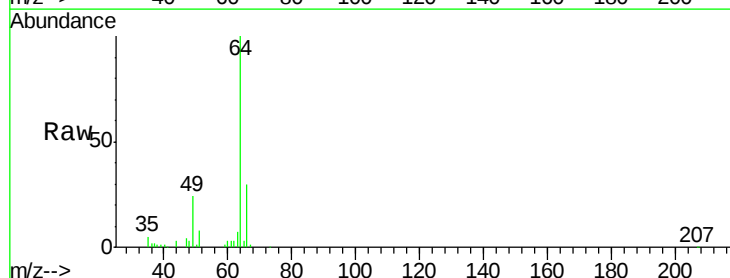
Acq: 12 Mar 2020 20:54

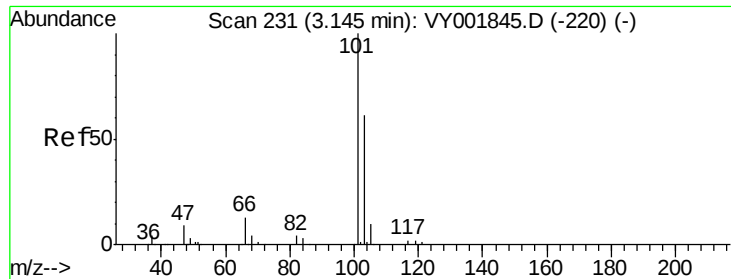
Tgt Ion: 64 Resp: 68578

Ion Ratio Lower Upper

64 100

66 29.9 23.8 35.8



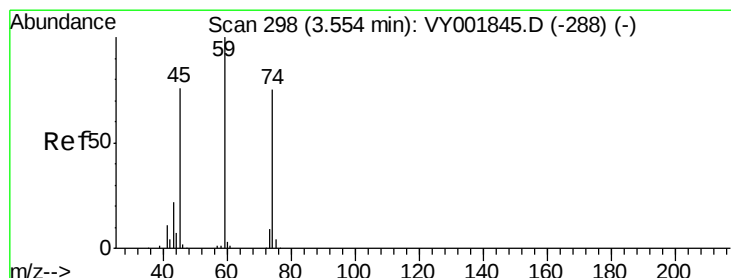
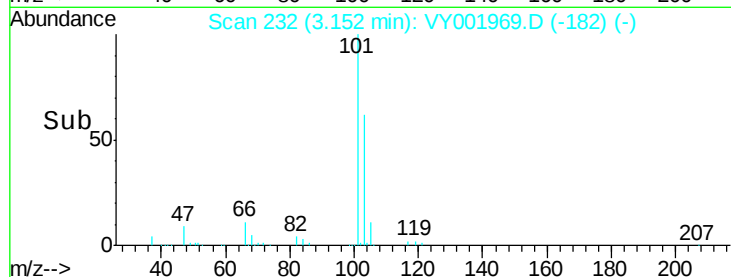
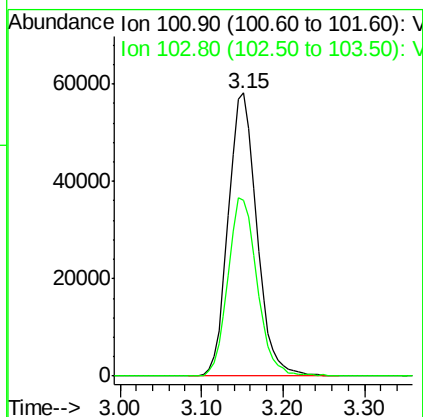
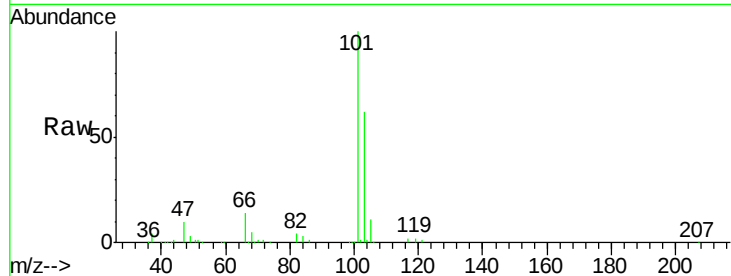


#7

Trichlorofluoromethane
Concen: 46.62 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

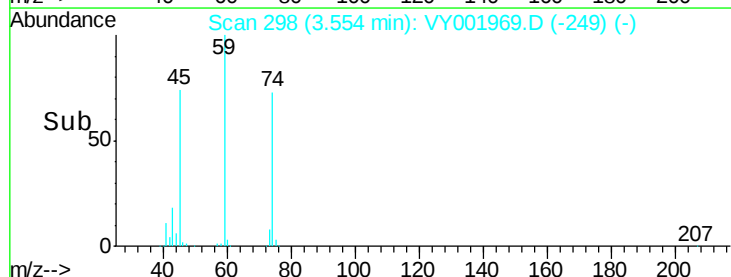
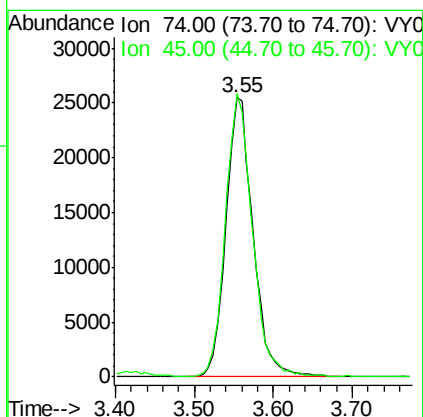
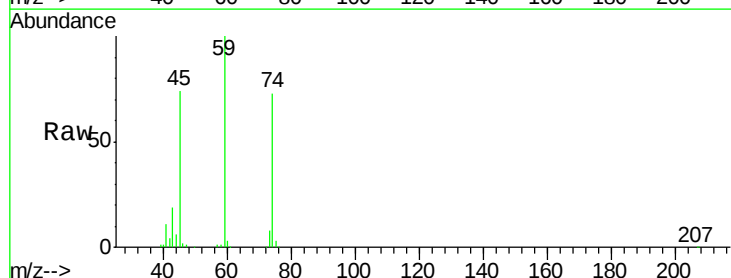
Tgt Ion:101 Resp: 140613
Ion Ratio Lower Upper
101 100
103 62.1 49.1 73.7

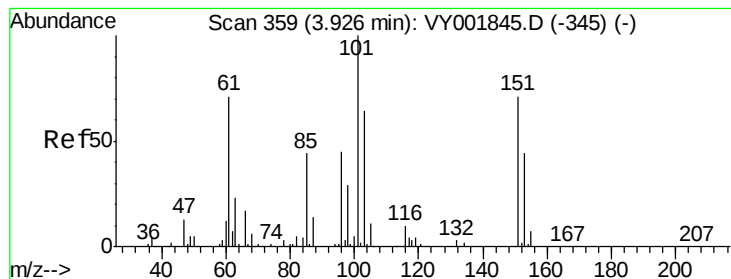


#8

Diethyl Ether
Concen: 51.18 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion: 74 Resp: 60838
Ion Ratio Lower Upper
74 100
45 101.0 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.49 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

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VSTDCCC050EC

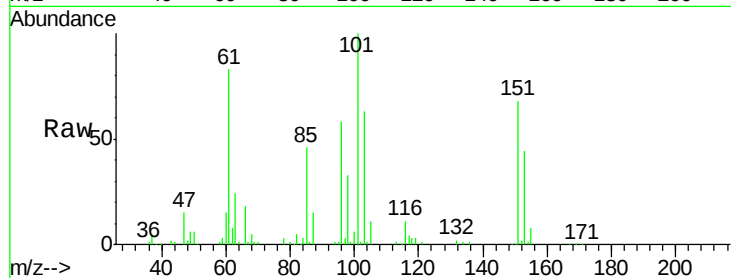
Tgt Ion:101 Resp: 92128

Ion Ratio Lower Upper

101 100

85 45.1 35.3 52.9

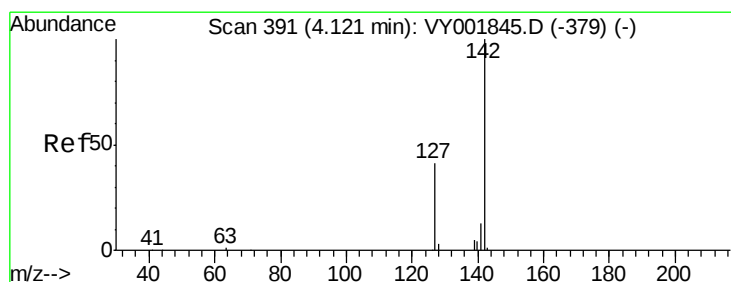
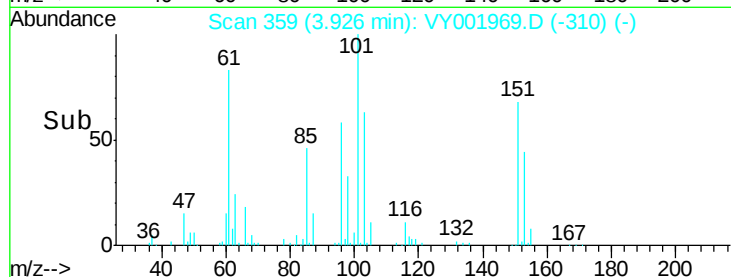
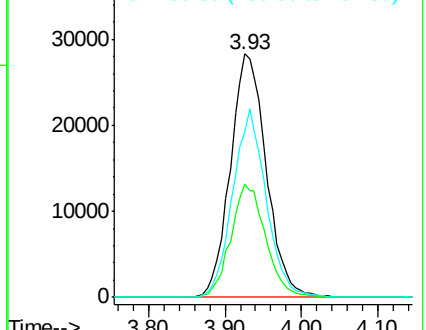
151 72.3 57.0 85.4



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: 49.83 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

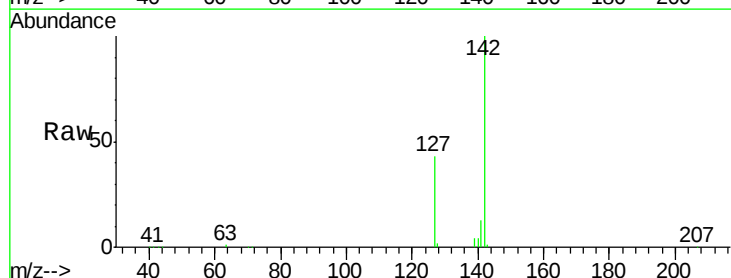
Tgt Ion:142 Resp: 111802

Ion Ratio Lower Upper

142 100

127 41.5 32.7 49.1

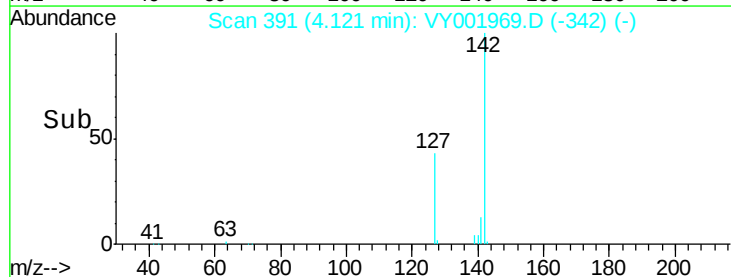
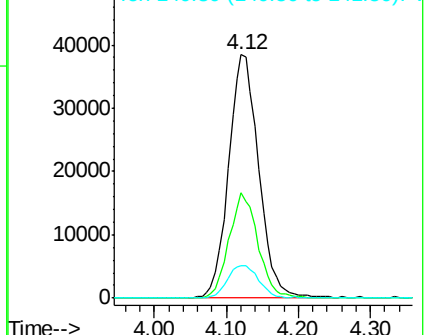
141 14.2 11.0 16.6

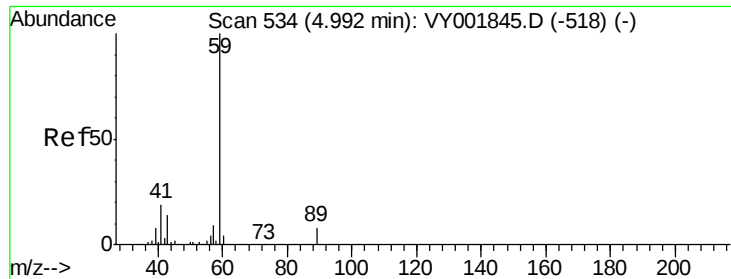


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



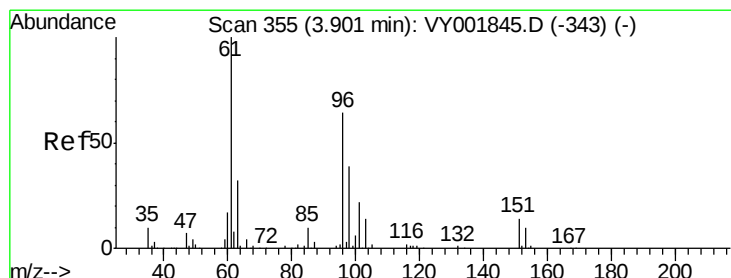
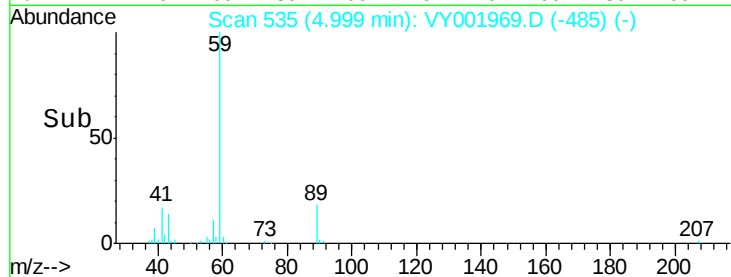
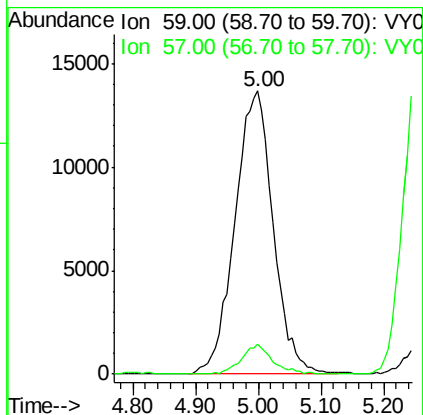
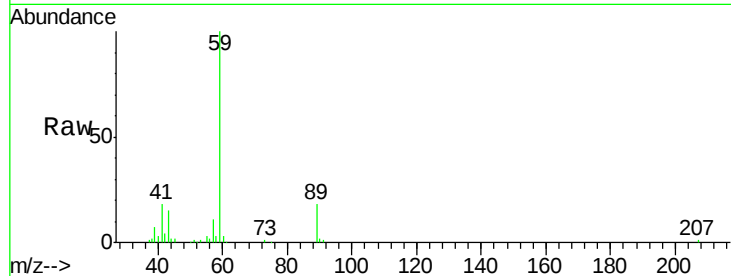


#11

Tert butyl alcohol
 Concen: 299.83 ug/l
 RT: 5.00 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

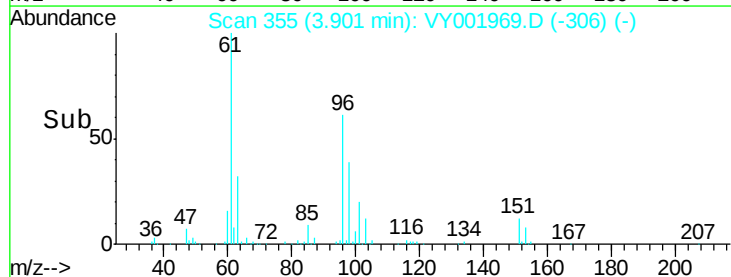
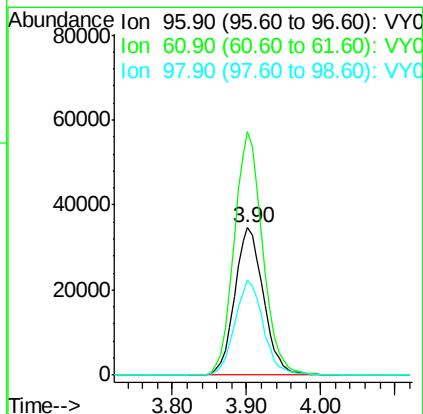
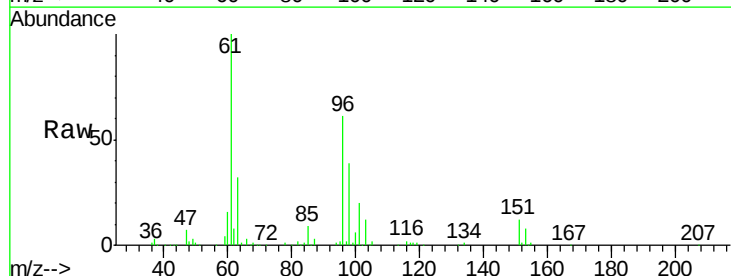
Tgt Ion: 59 Resp: 57645
 Ion Ratio Lower Upper
 59 100
 57 8.5 7.4 11.2

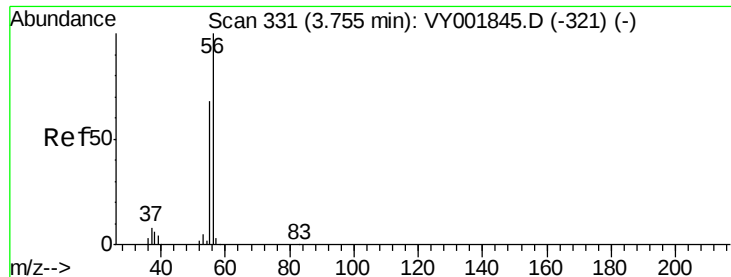


#12

1,1-Dichloroethene
 Concen: 48.14 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion: 96 Resp: 94036
 Ion Ratio Lower Upper
 96 100
 61 165.0 124.8 187.2
 98 64.8 49.2 73.8





#13

Acrolein

Concen: 235.46 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

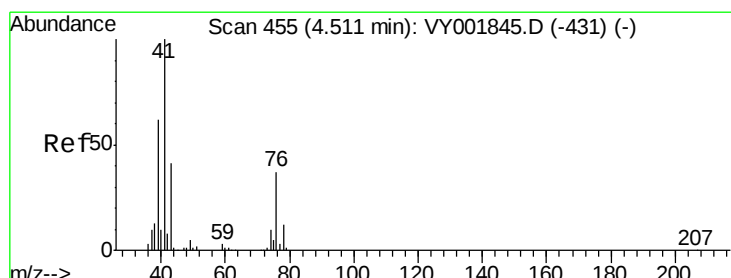
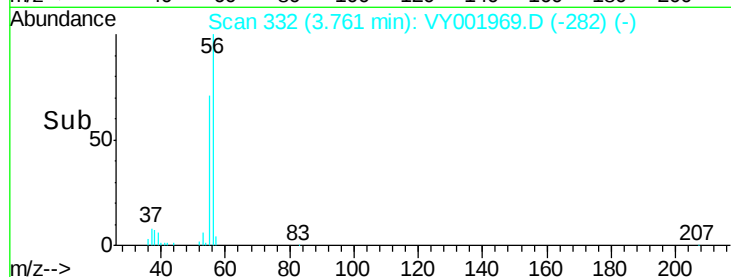
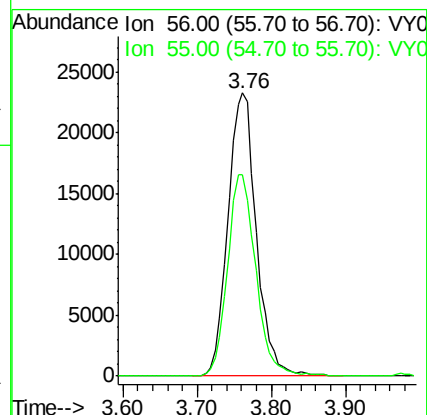
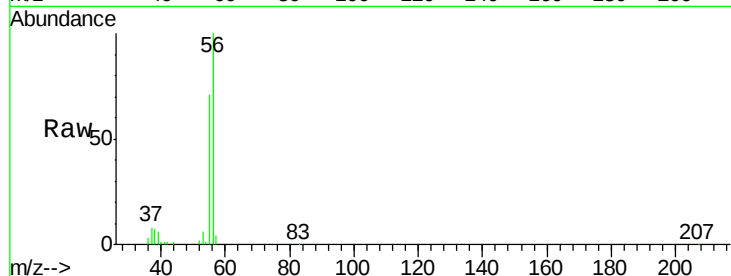
VSTDCCC050EC

Tgt Ion: 56 Resp: 62062

Ion Ratio Lower Upper

56 100

55 70.7 54.0 81.0



#14

Allyl chloride

Concen: 51.84 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

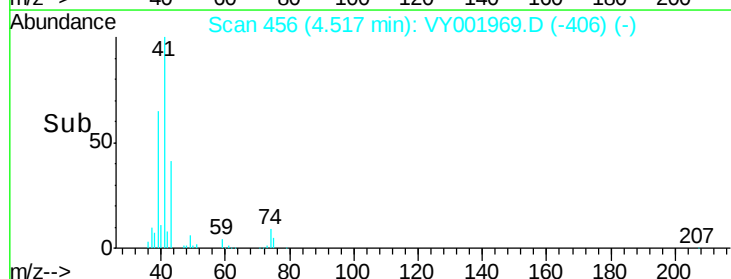
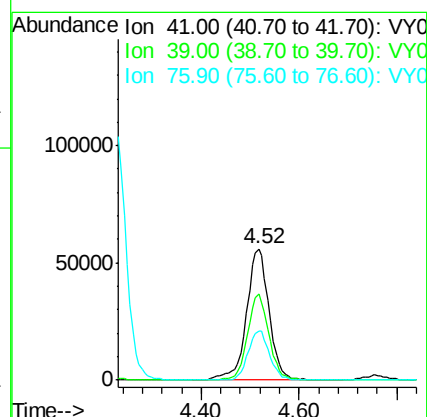
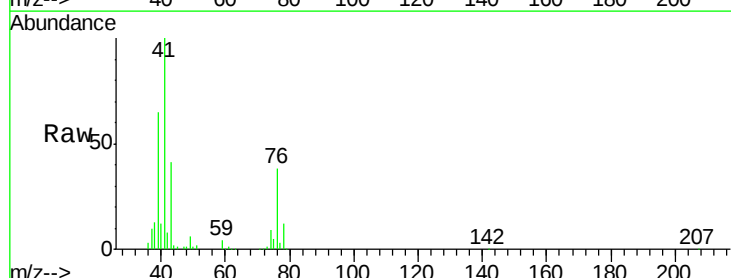
Tgt Ion: 41 Resp: 179521

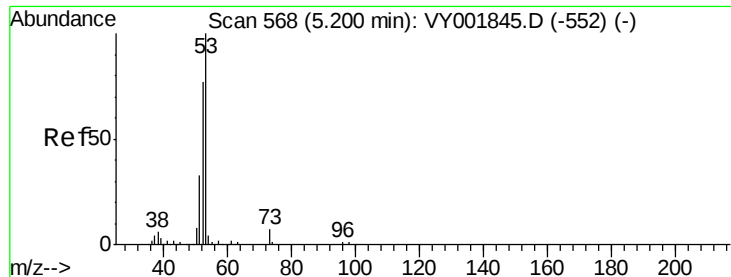
Ion Ratio Lower Upper

41 100

39 61.8 49.0 73.6

76 35.5 28.9 43.3





#15

Acrylonitrile

Concen: 250.08 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

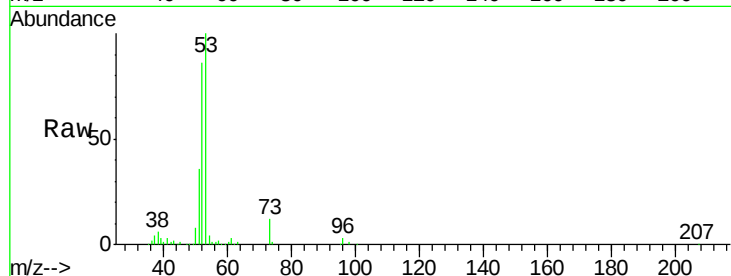
Tgt Ion: 53 Resp: 158865

Ion Ratio Lower Upper

53 100

52 83.3 65.1 97.7

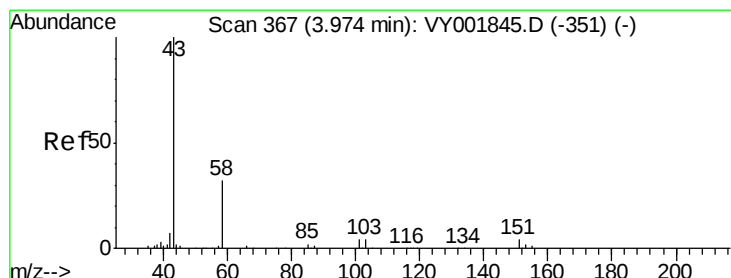
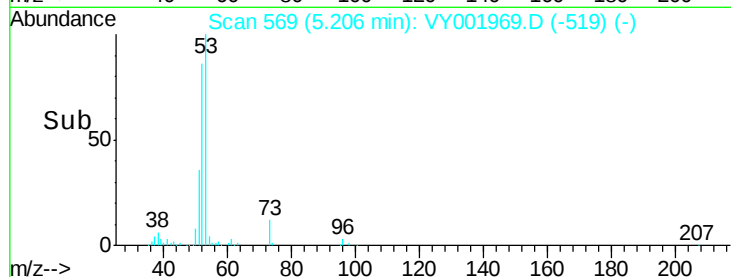
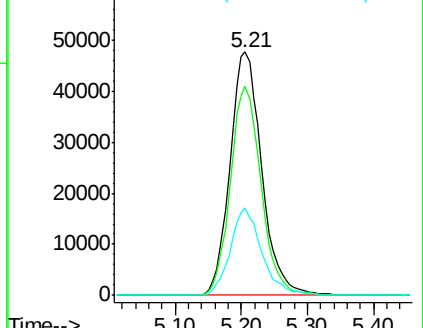
51 35.5 27.5 41.3



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: 228.39 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001969.D

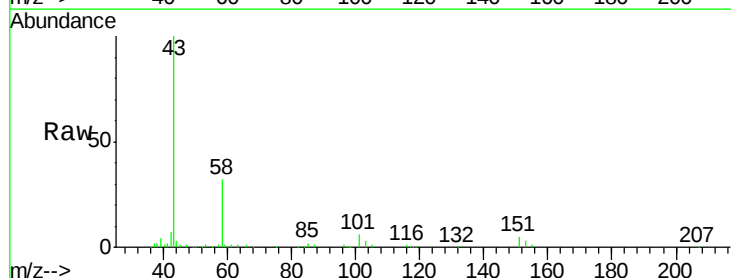
Acq: 12 Mar 2020 20:54

Tgt Ion: 43 Resp: 124769

Ion Ratio Lower Upper

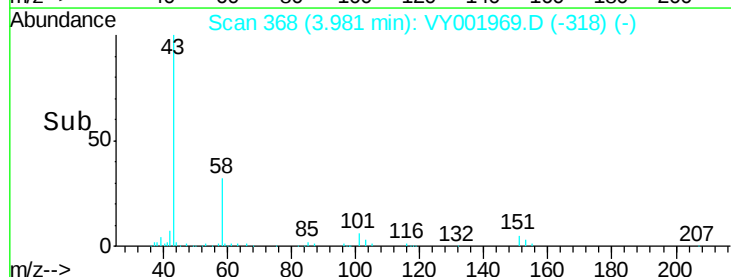
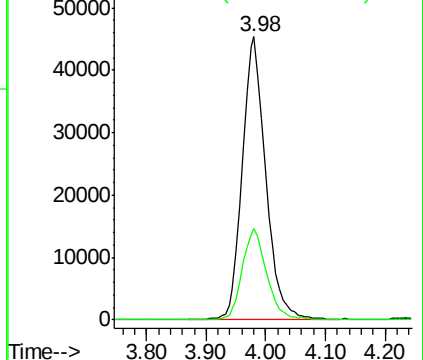
43 100

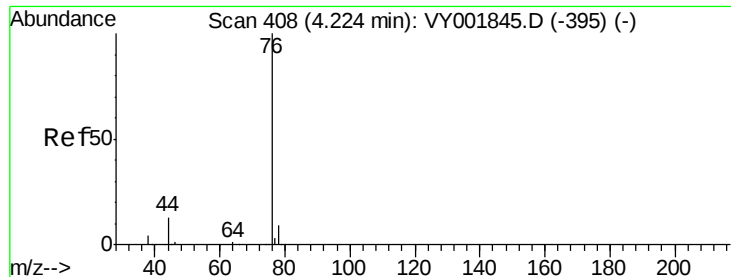
58 32.2 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

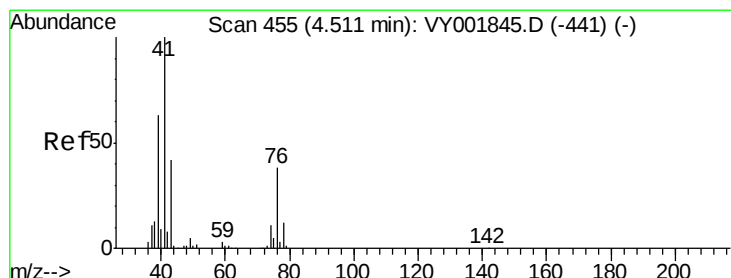
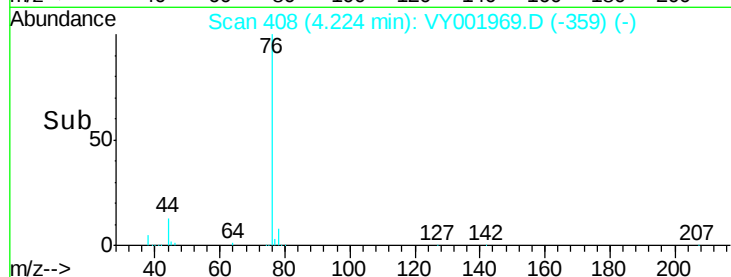
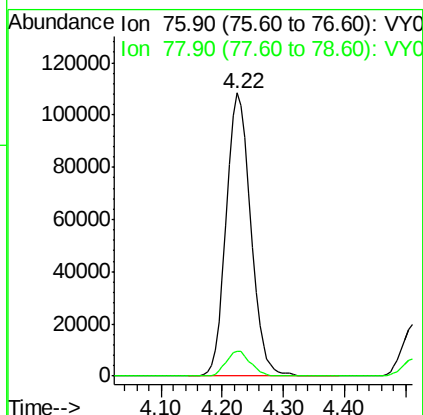
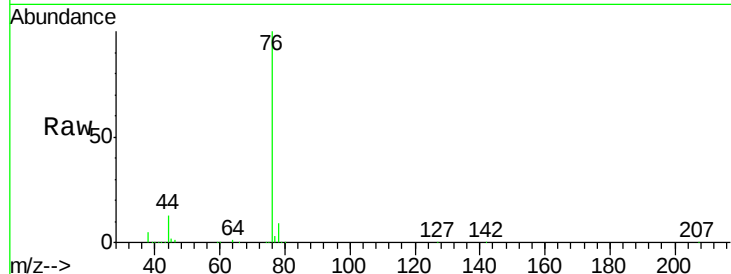




#17
Carbon Disulfide
Concen: 45.64 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

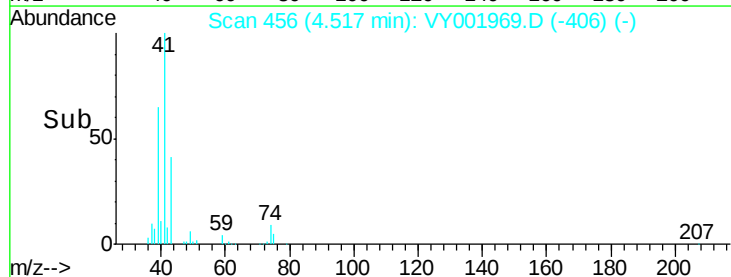
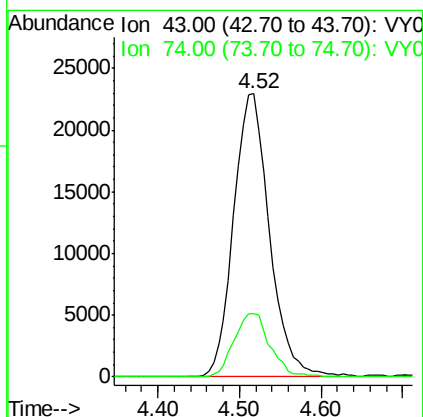
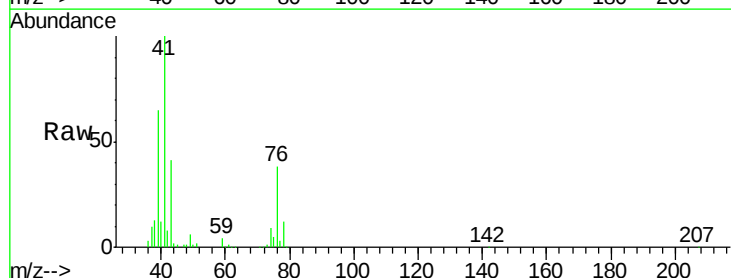
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

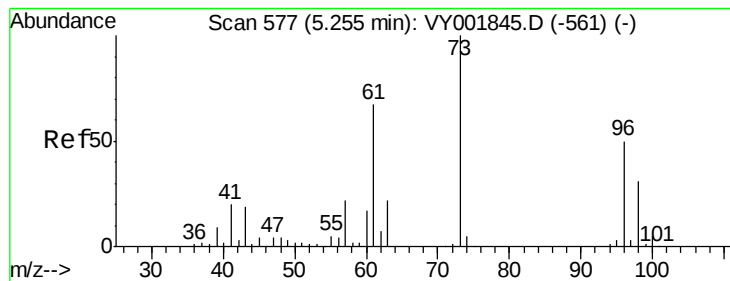
Tgt Ion: 76 Resp: 299693
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 49.80 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion: 43 Resp: 69900
Ion Ratio Lower Upper
43 100
74 22.5 19.0 28.6





#19

Methyl tert-butyl Ether

Concen: 53.03 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

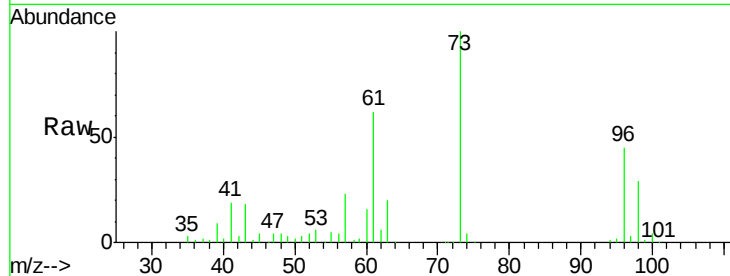
VSTDCCC050EC

Tgt Ion: 73 Resp: 280729

Ion Ratio Lower Upper

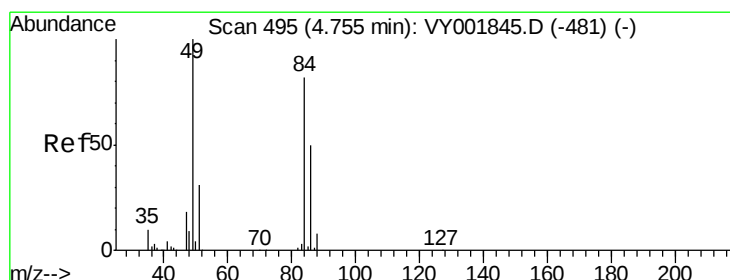
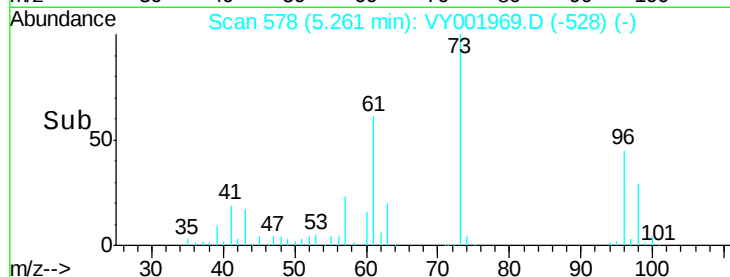
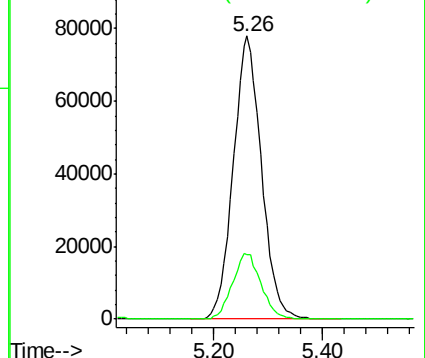
73 100

57 22.9 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: 50.42 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Tgt Ion: 84 Resp: 118052

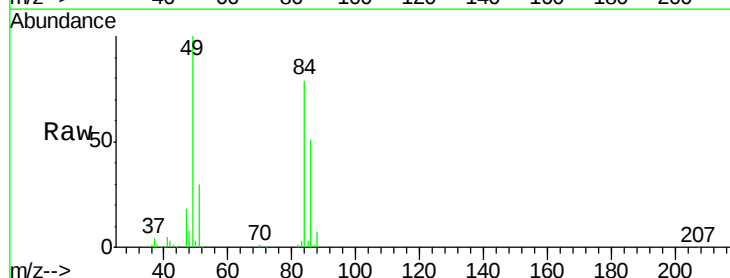
Ion Ratio Lower Upper

84 100

49 126.6 98.2 147.2

51 38.4 30.2 45.2

86 64.8 48.9 73.3

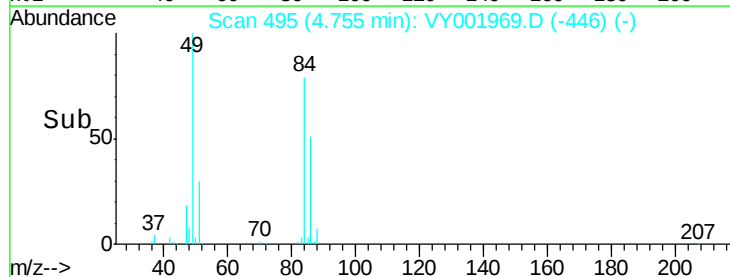
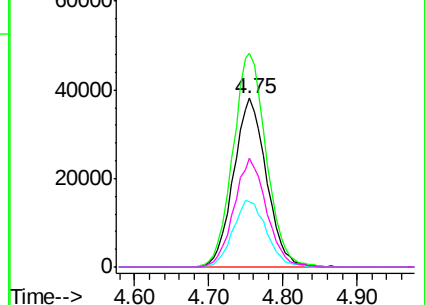


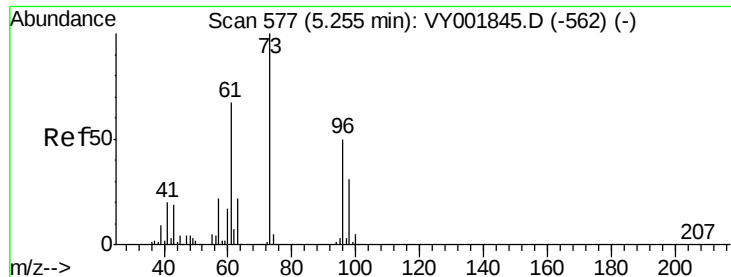
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 49.84 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

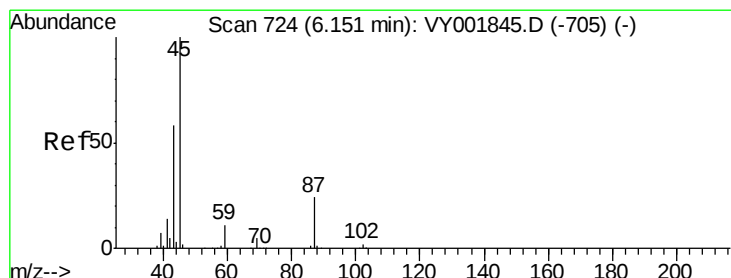
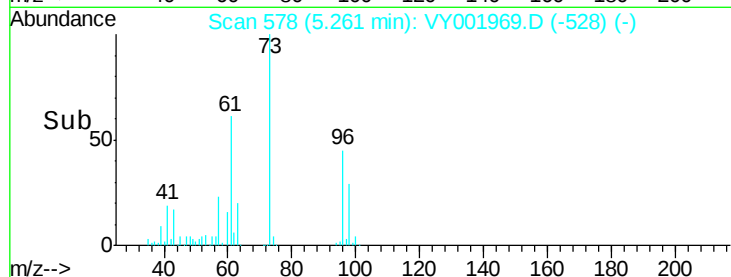
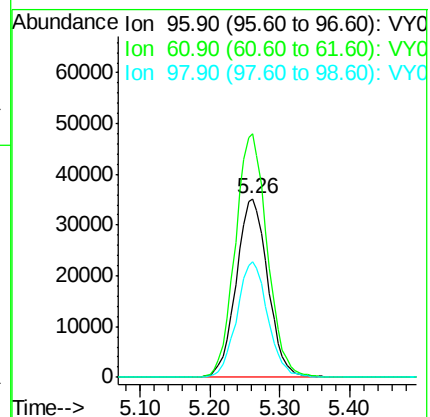
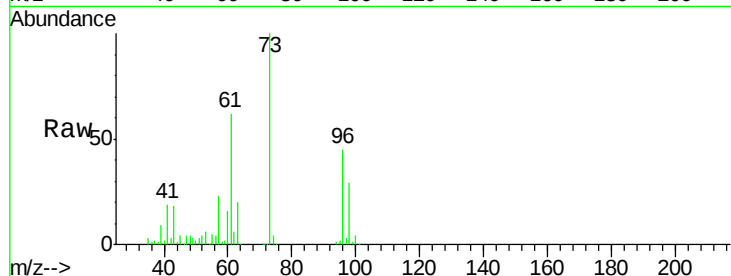
Tgt Ion: 96 Resp: 110499

Ion Ratio Lower Upper

96 100

61 136.5 107.7 161.5

98 64.7 49.3 73.9



#22

Diisopropyl ether

Concen: 53.23 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Tgt Ion: 45 Resp: 377832

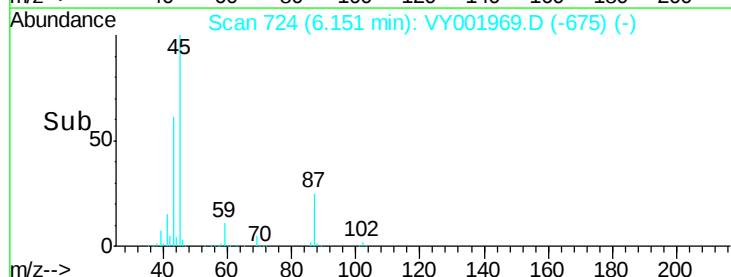
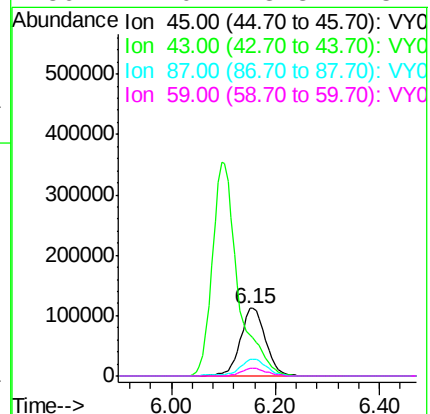
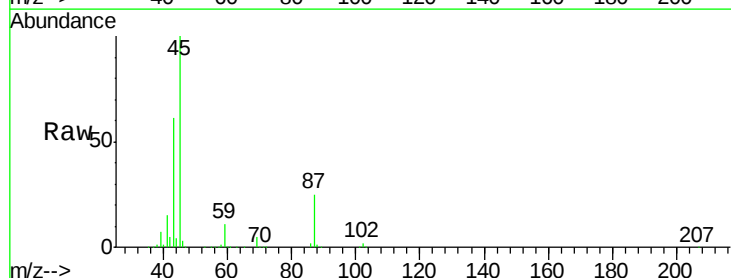
Ion Ratio Lower Upper

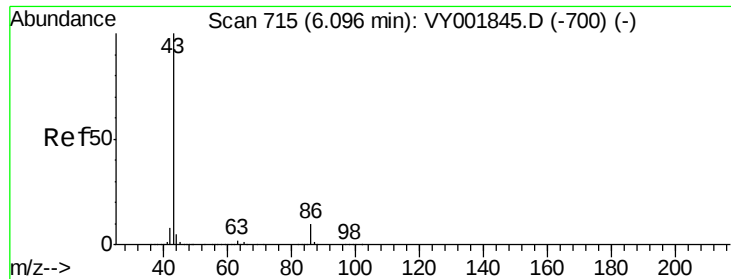
45 100

43 60.8 47.2 70.8

87 24.7 19.8 29.8

59 11.0 8.8 13.2

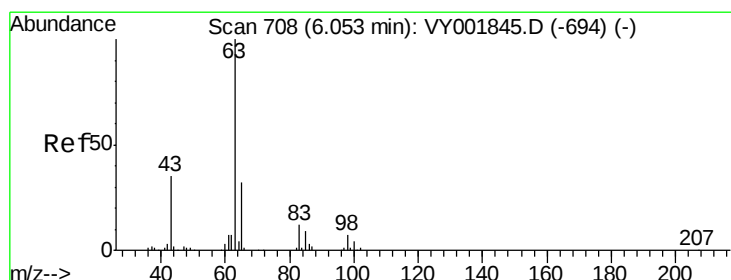
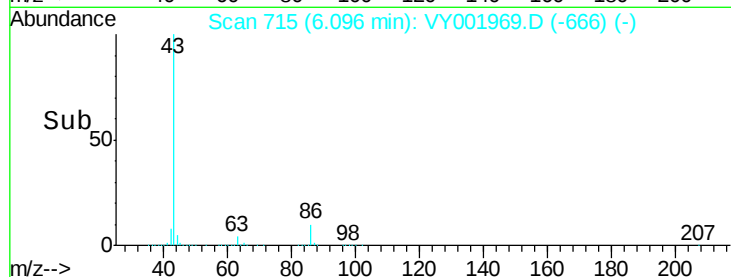
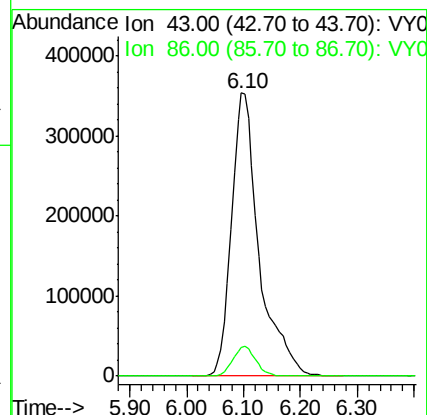
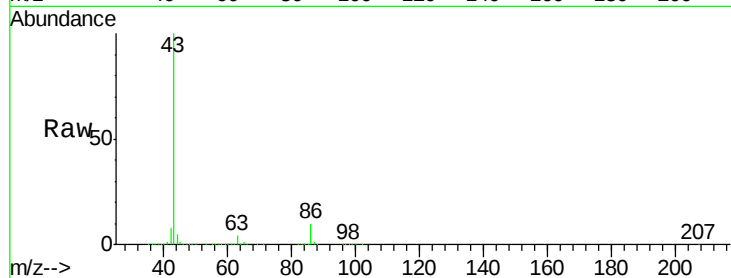




#23
 Vinyl Acetate
 Concen: 258.04 ug/l
 RT: 6.10 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

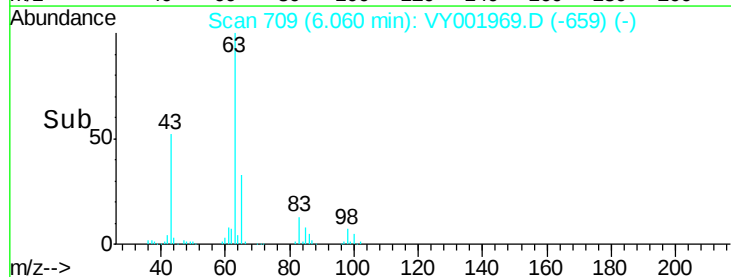
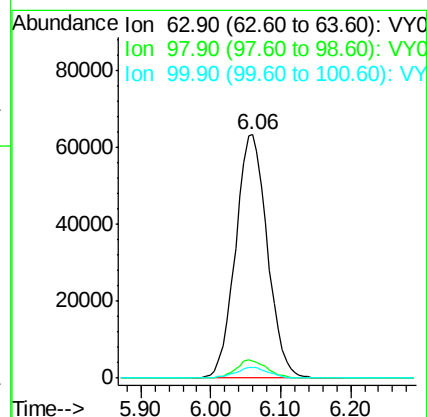
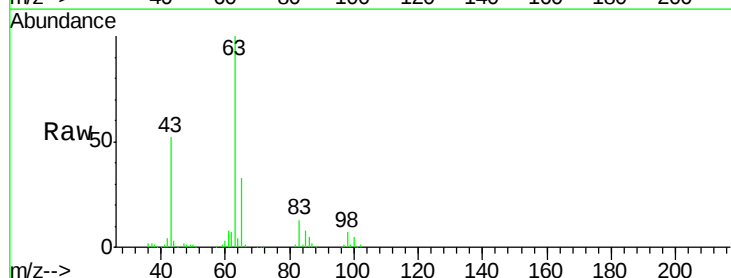
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

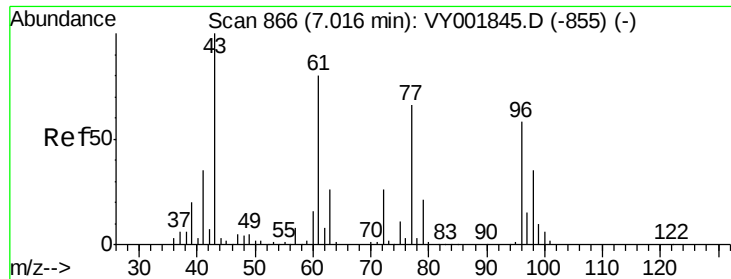
Tgt Ion: 43 Resp: 1200818
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 51.93 ug/l
 RT: 6.06 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion: 63 Resp: 199607
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.2
 100 4.6 2.0 6.0





#25

2-Butanone

Concen: 242.34 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

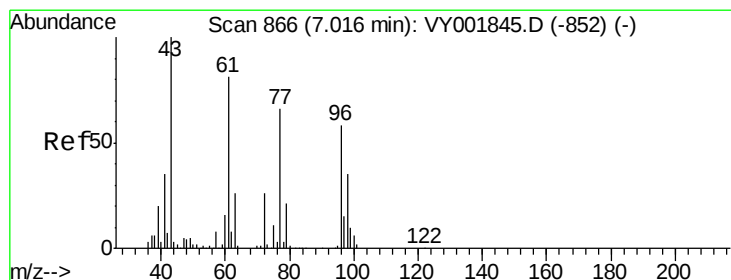
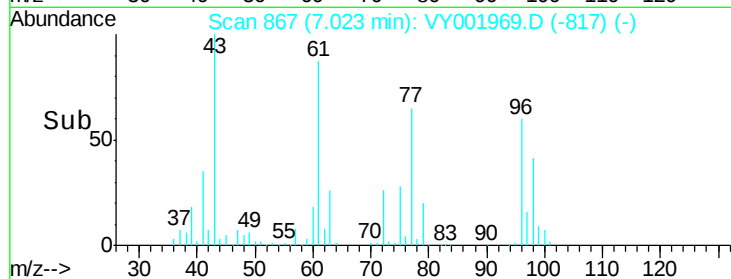
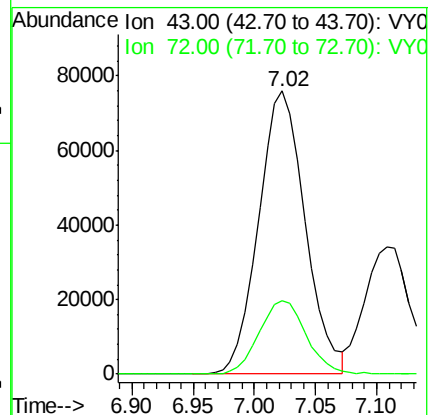
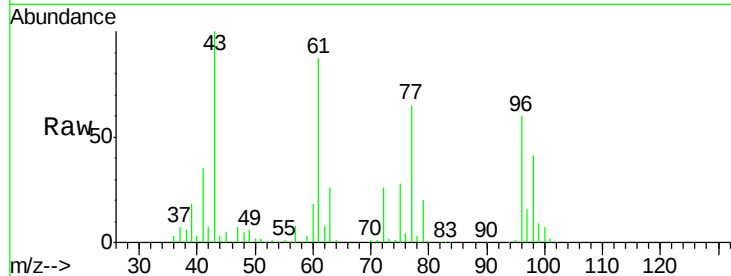
VSTDCCC050EC

Tgt Ion: 43 Resp: 201327

Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3



#26

2,2-Dichloropropane

Concen: 49.31 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001969.D

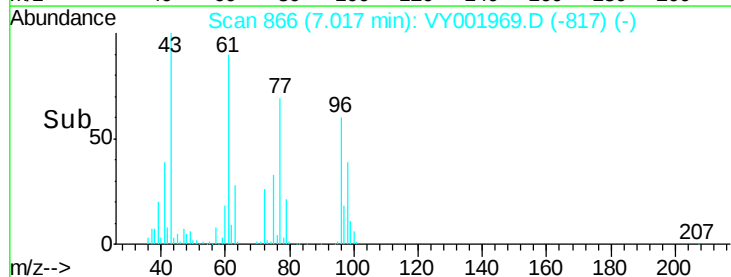
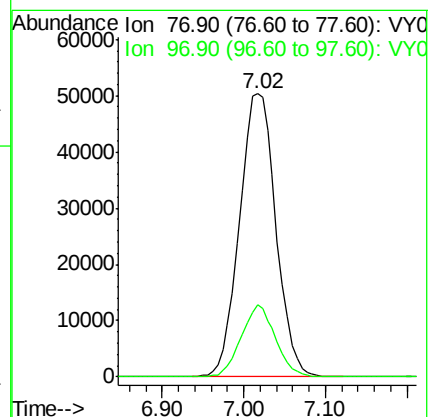
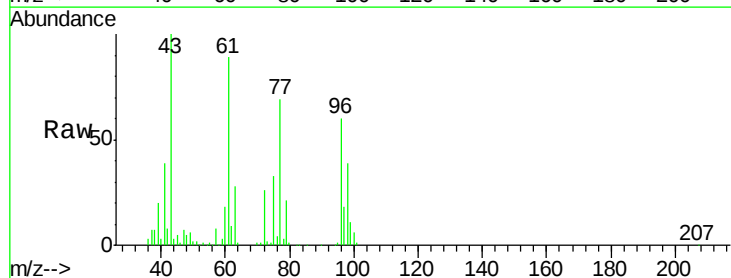
Acq: 12 Mar 2020 20:54

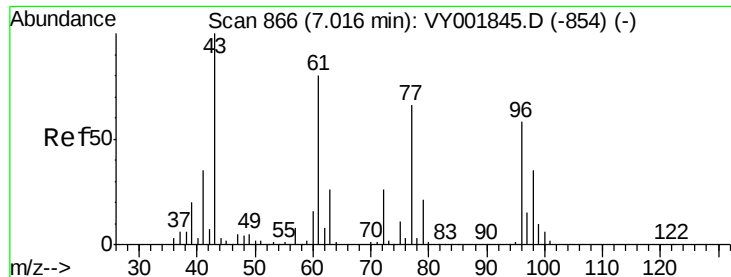
Tgt Ion: 77 Resp: 155584

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.7



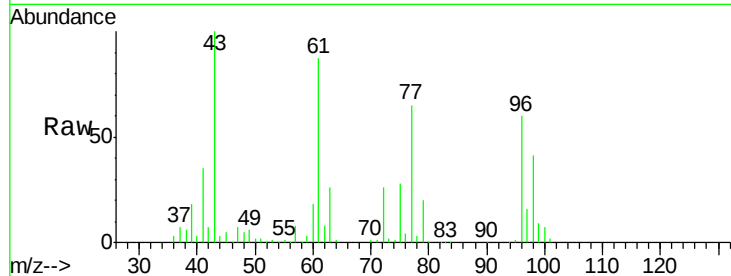


#27

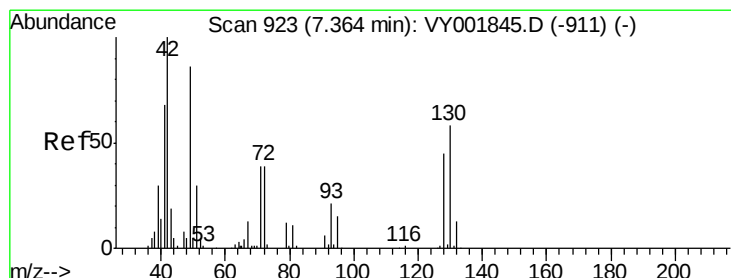
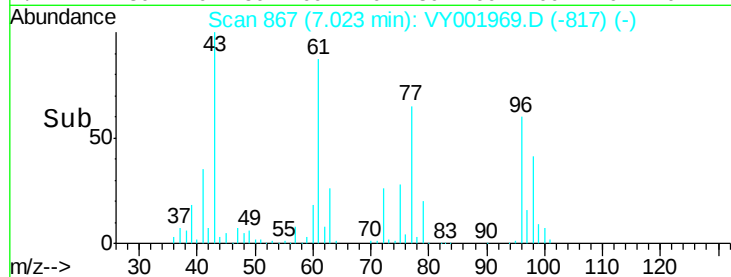
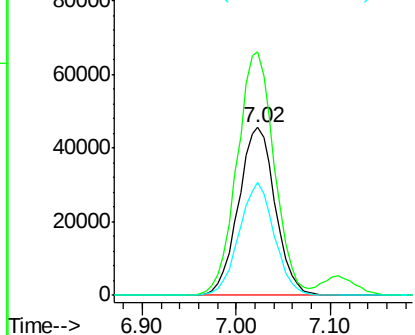
cis-1,2-Dichloroethene
Concen: 51.53 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 124272
Ion Ratio Lower Upper
96 100
61 147.0 0.0 288.2
98 64.8 0.0 129.0



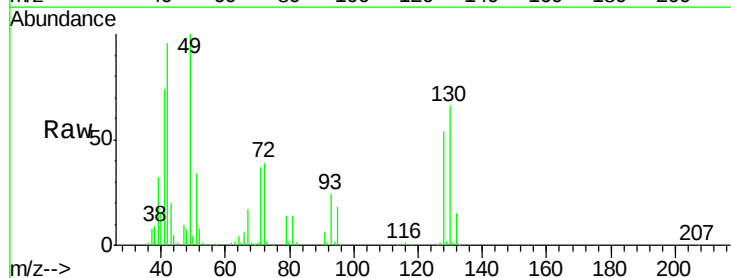
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



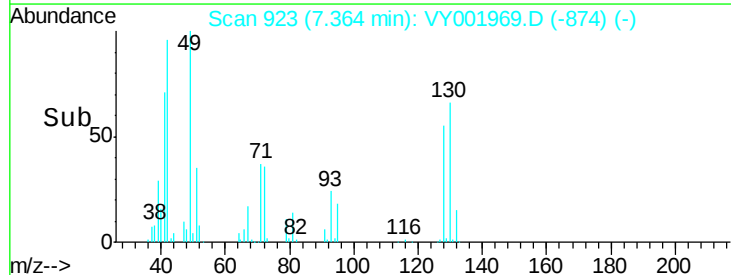
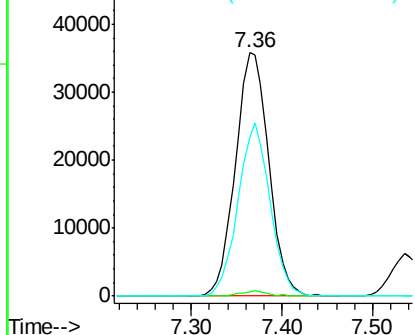
#28

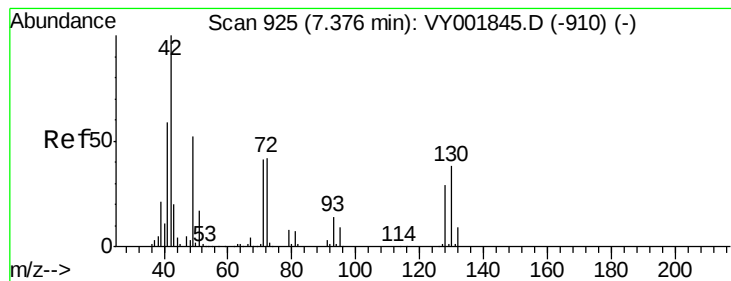
Bromochloromethane
Concen: 52.60 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion: 49 Resp: 91148
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.8
130 68.4 54.4 81.6



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





#29

Tetrahydrofuran

Concen: 243.97 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

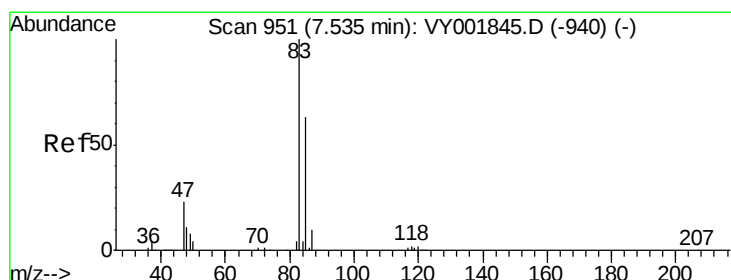
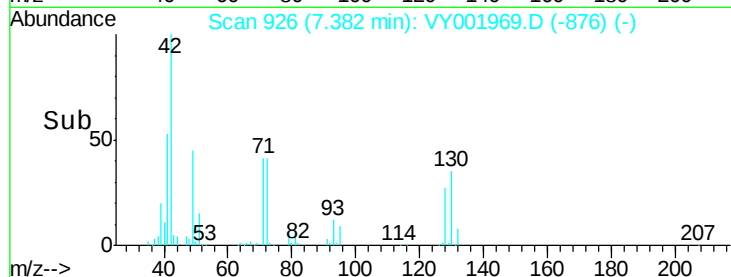
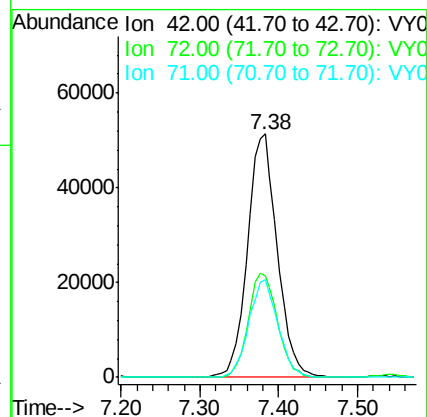
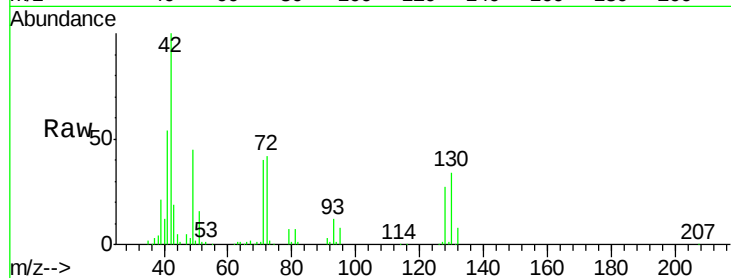
Tgt Ion: 42 Resp: 134598

Ion Ratio Lower Upper

42 100

72 41.9 33.5 50.3

71 39.6 31.3 46.9



#30

Chloroform

Concen: 52.52 ug/l

RT: 7.54 min Scan# 952

Delta R.T. 0.01 min

Lab File: VY001969.D

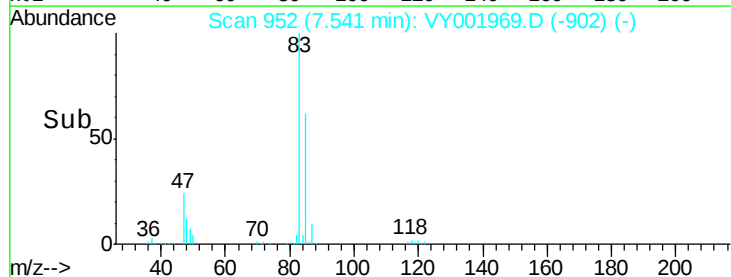
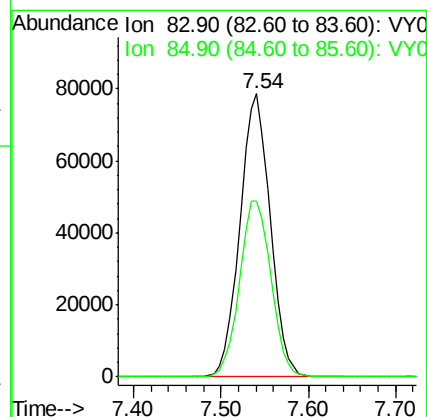
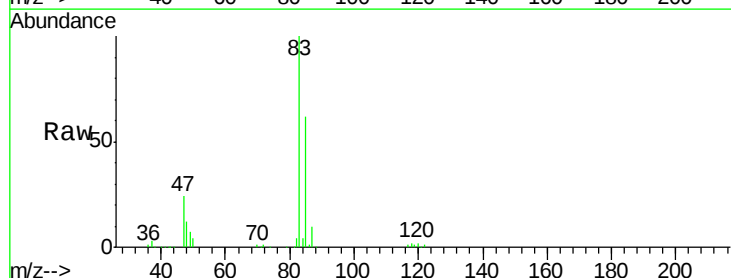
Acq: 12 Mar 2020 20:54

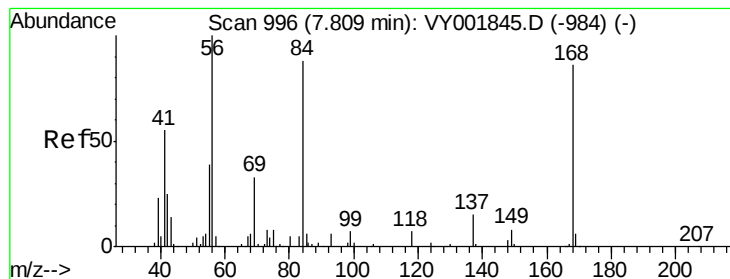
Tgt Ion: 83 Resp: 189676

Ion Ratio Lower Upper

83 100

85 62.3 50.7 76.1





#31

Cyclohexane

Concen: 46.27 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

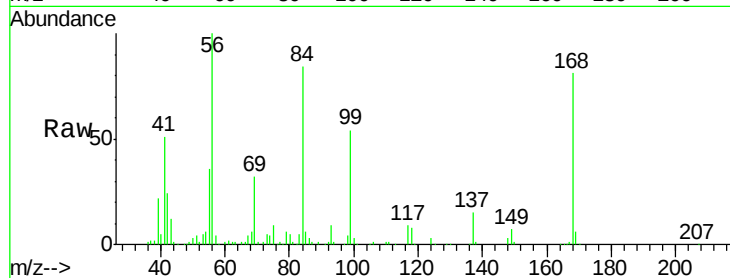
Tgt Ion: 56 Resp: 190699

Ion Ratio Lower Upper

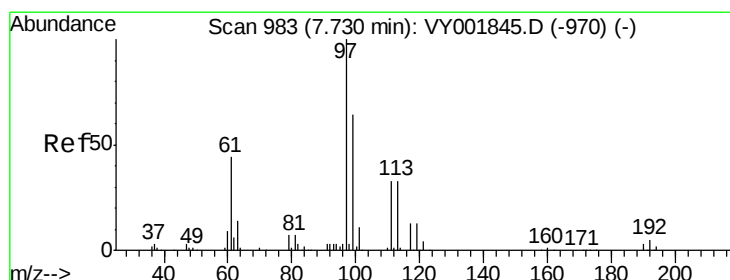
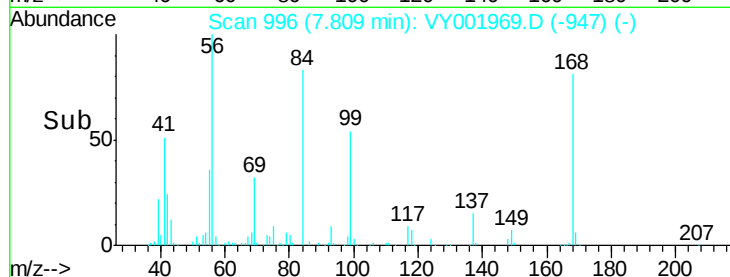
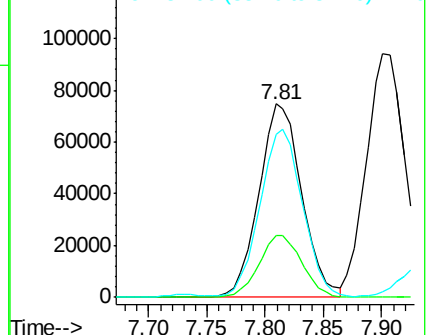
56 100

69 32.1 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: 51.56 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

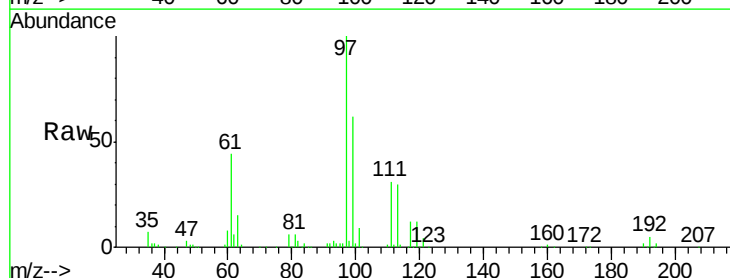
Tgt Ion: 97 Resp: 156958

Ion Ratio Lower Upper

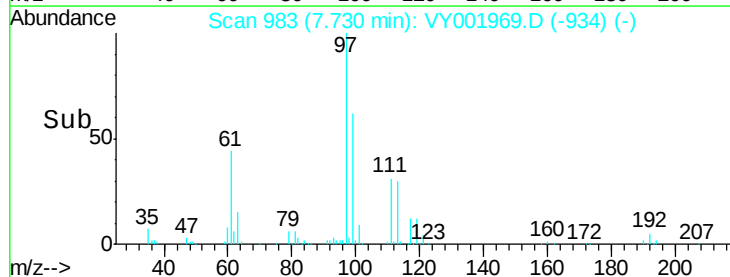
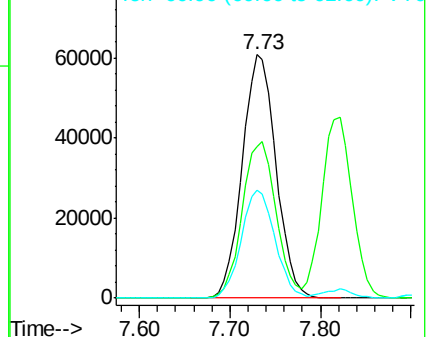
97 100

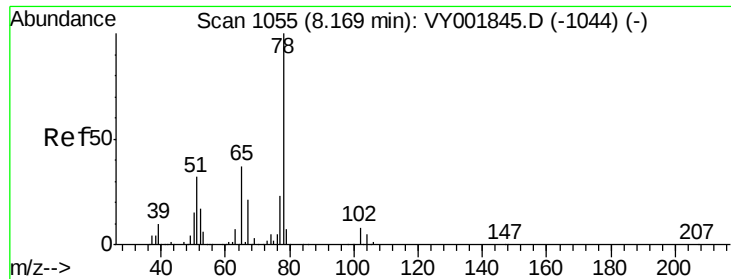
99 64.5 52.0 78.0

61 44.2 35.0 52.4



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

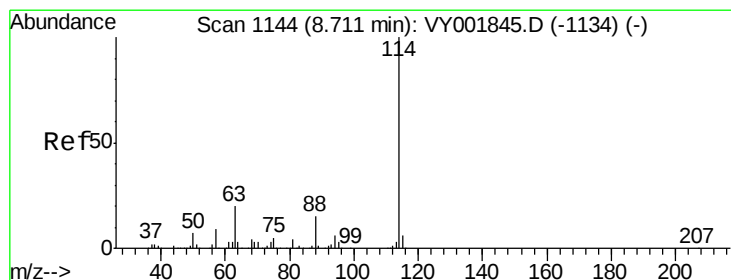
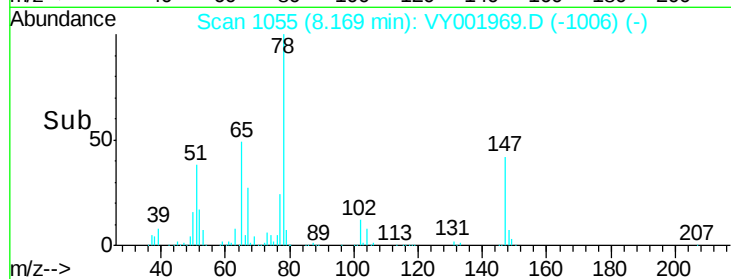
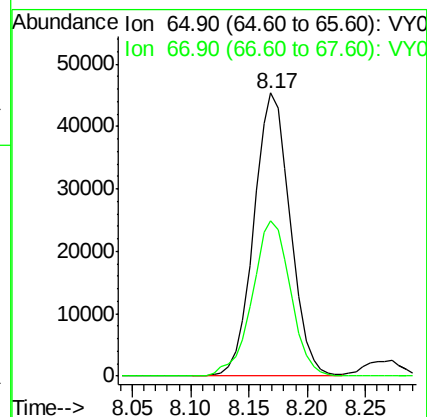
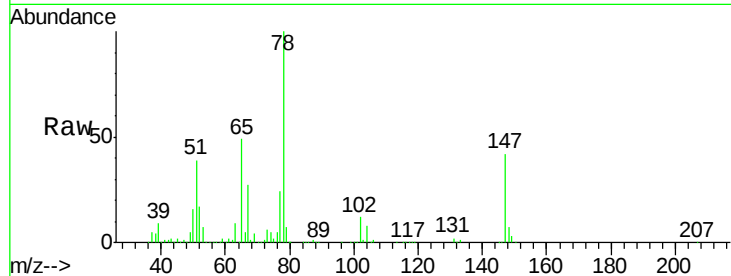




#33
 1,2-Dichloroethane-d4
 Concen: 52.74 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

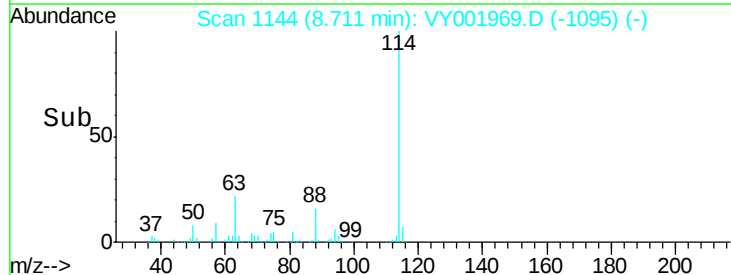
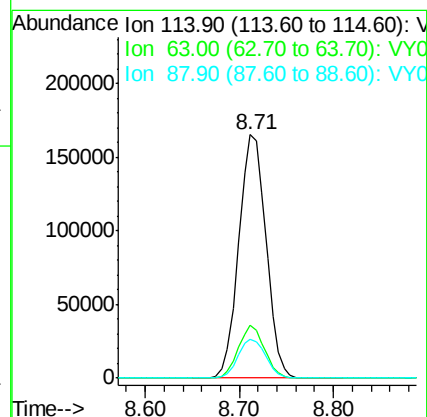
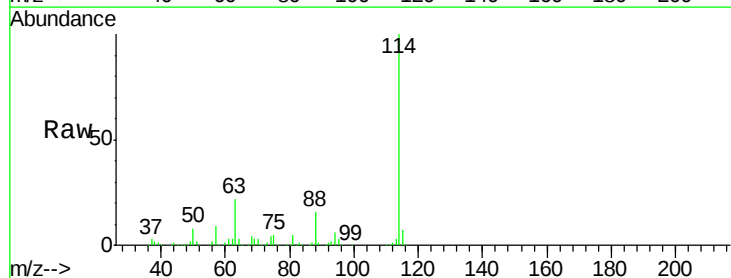
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

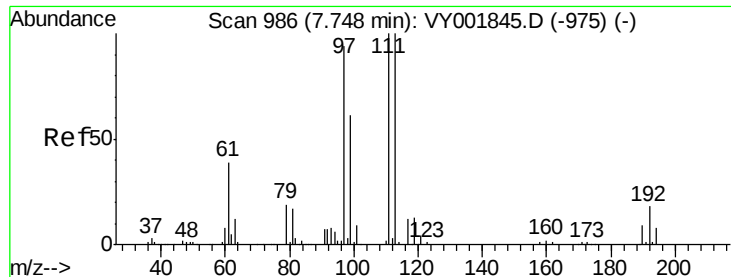
Tgt Ion: 65 Resp: 98928
 Ion Ratio Lower Upper
 65 100
 67 57.7 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion: 114 Resp: 333080
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.4
 88 15.8 0.0 30.4

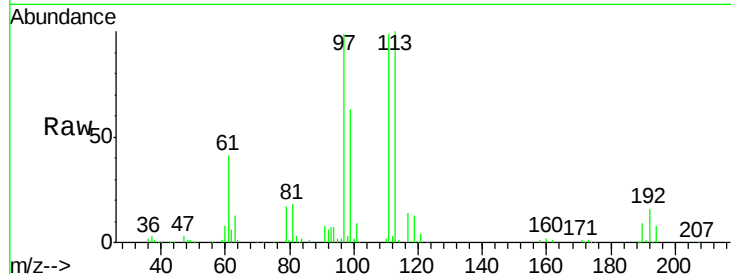




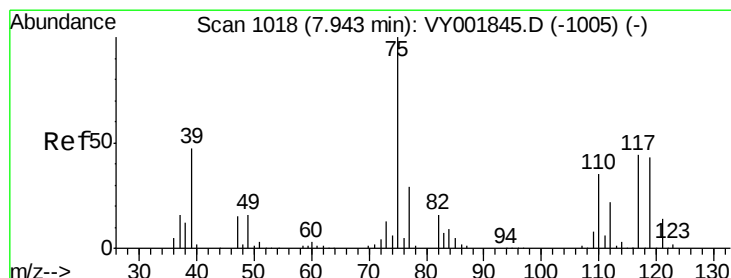
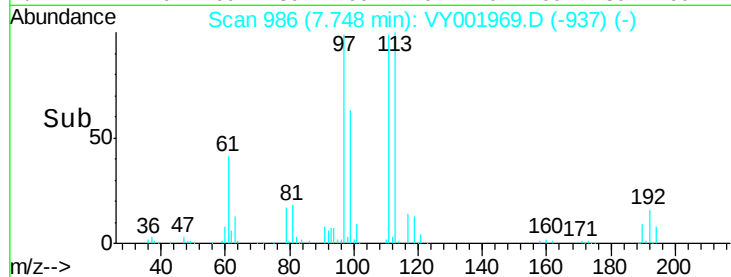
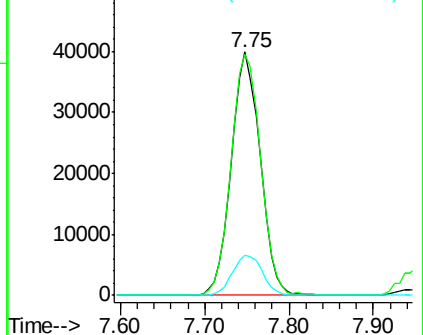
#35
 Dibromofluoromethane
 Concen: 50.99 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:113 Resp: 92748
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.8 122.8
 192 17.1 14.2 21.2

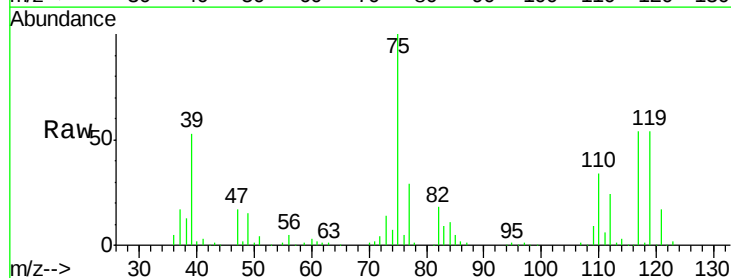


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

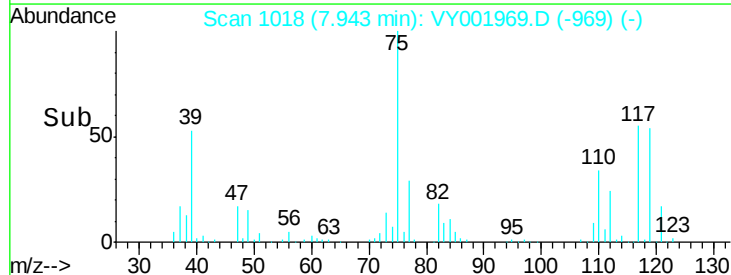
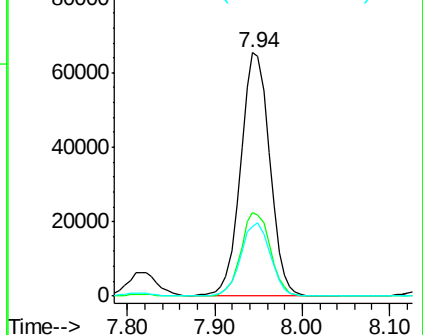


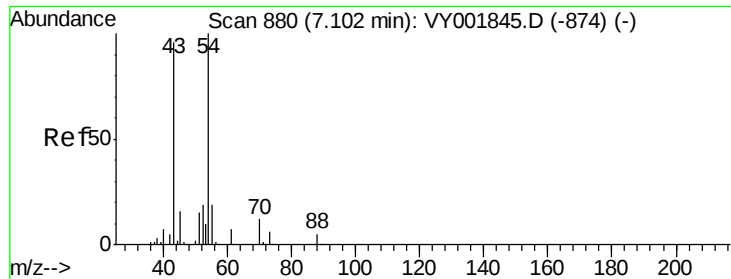
#36
 1,1-Dichloropropene
 Concen: 47.17 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion: 75 Resp: 151207
 Ion Ratio Lower Upper
 75 100
 110 34.6 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

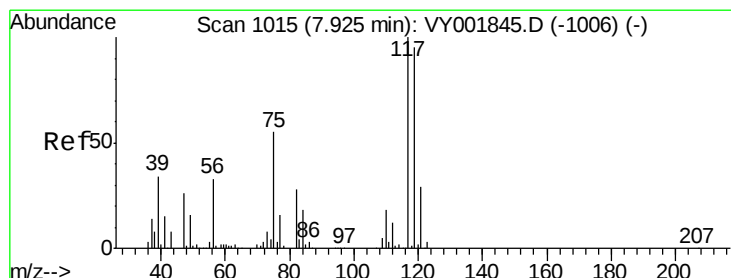
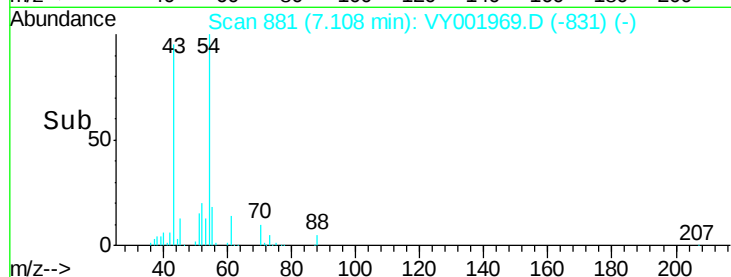
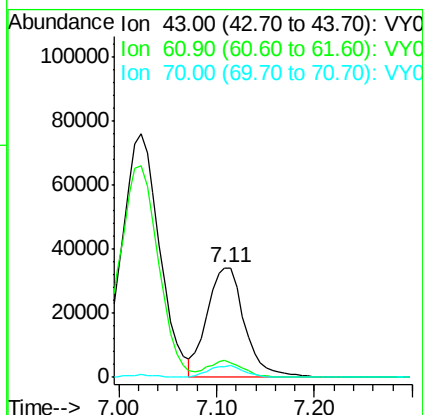
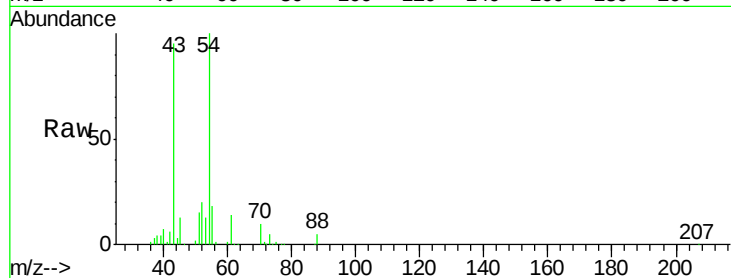




#37
Ethyl Acetate
Concen: 48.45 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

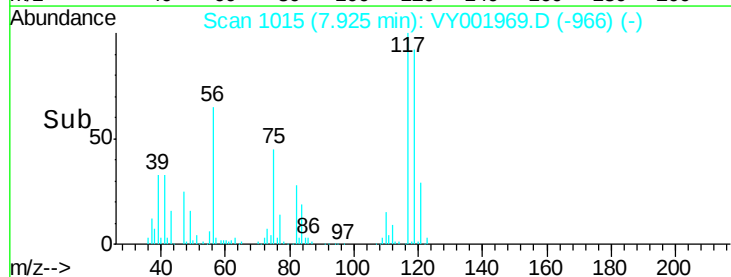
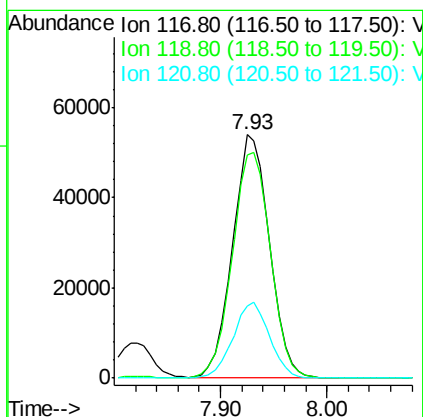
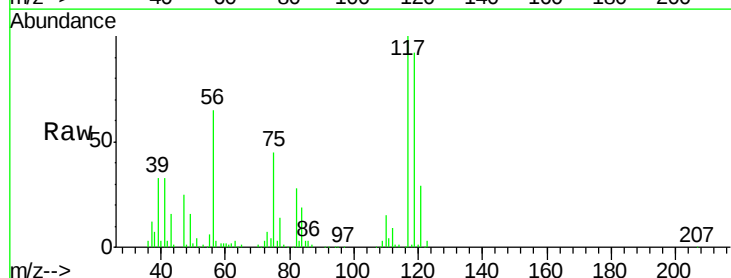
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

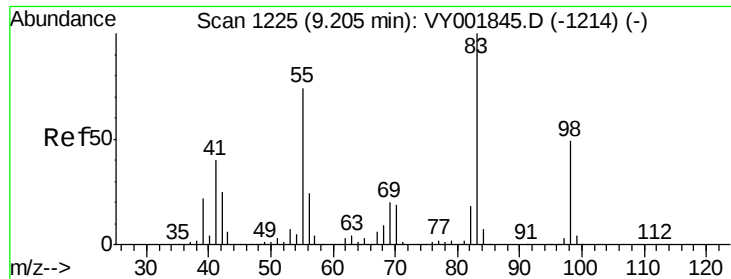
Tgt Ion: 43 Resp: 90257
Ion Ratio Lower Upper
43 100
61 14.4 11.1 16.7
70 10.5 8.2 12.4



#38
Carbon Tetrachloride
Concen: 48.02 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion: 117 Resp: 131488
Ion Ratio Lower Upper
117 100
119 91.7 76.3 114.5
121 29.5 23.5 35.3

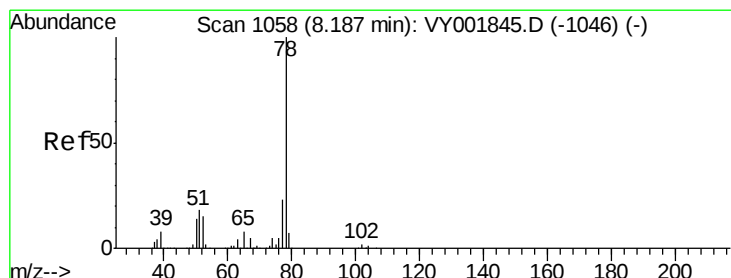
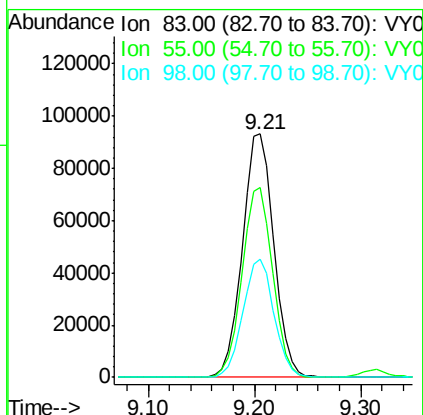
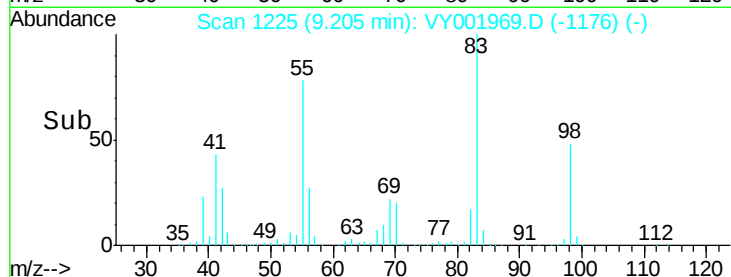
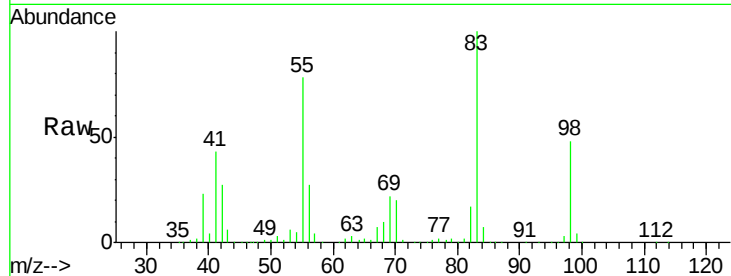




#39
Methylcyclohexane
Concen: 45.42 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

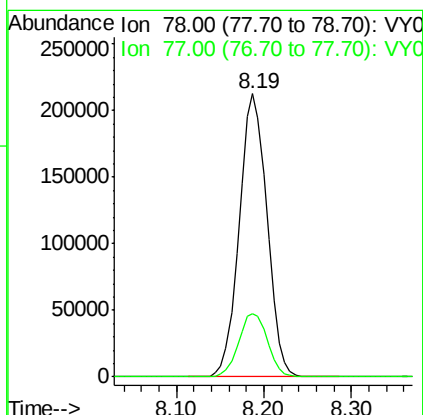
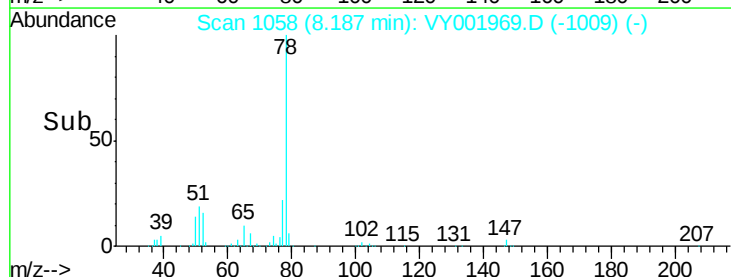
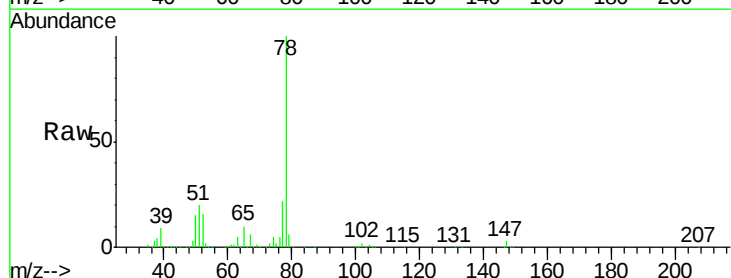
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

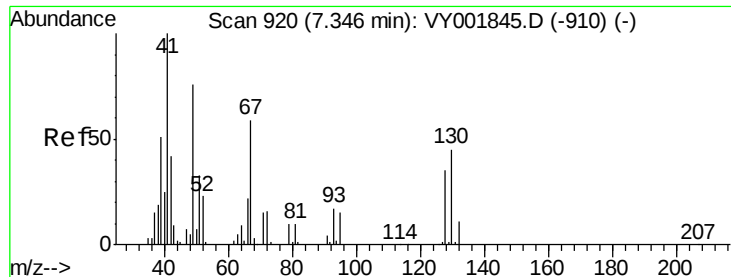
Tgt Ion: 83 Resp: 193084
Ion Ratio Lower Upper
83 100
55 78.2 59.4 89.0
98 48.3 38.9 58.3



#40
Benzene
Concen: 49.30 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion: 78 Resp: 468413
Ion Ratio Lower Upper
78 100
77 22.2 18.7 28.1

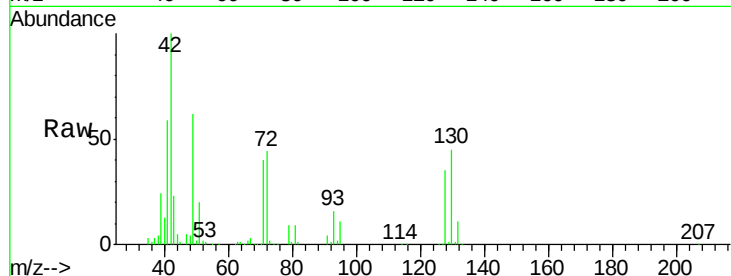




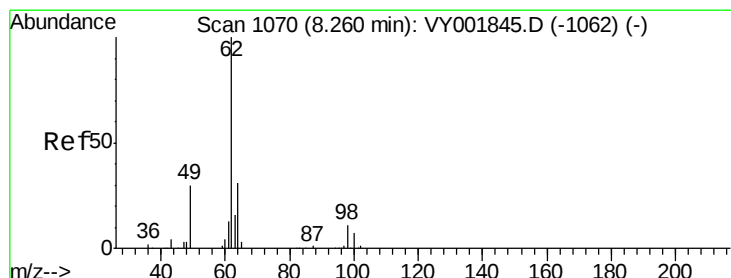
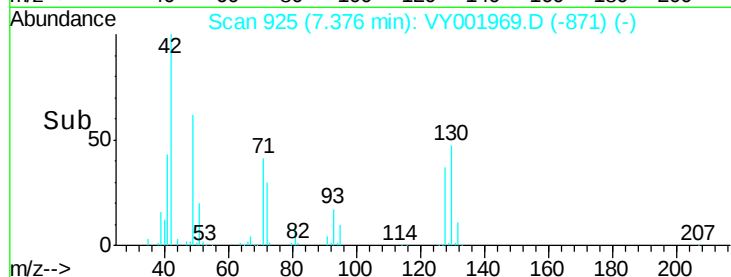
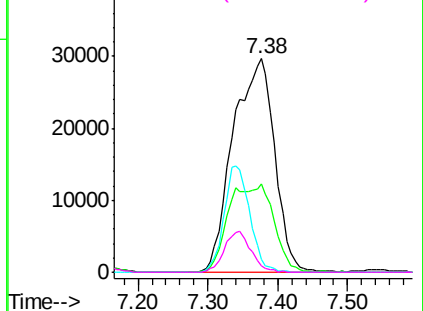
#41
Methacrylonitrile
Concen: 146.00 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.03 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 122406
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

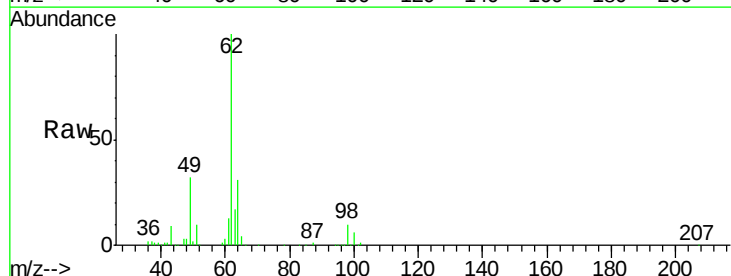


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

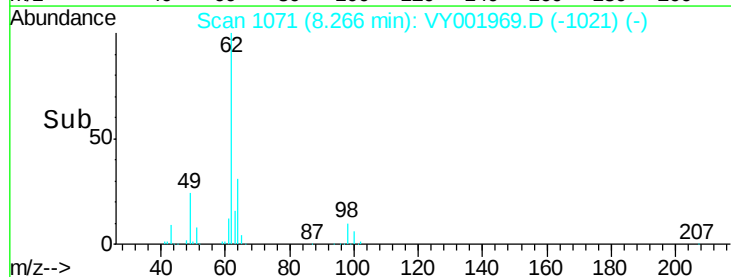
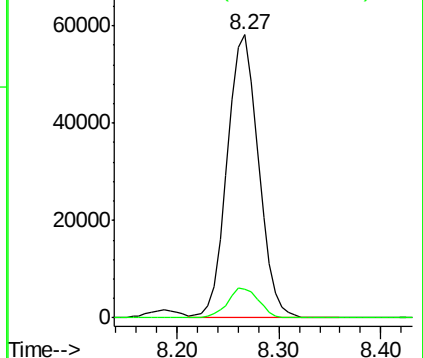


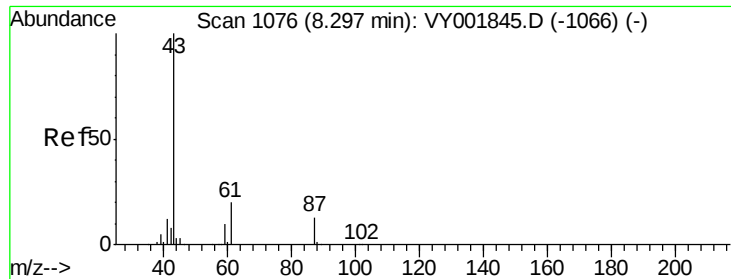
#42
1,2-Dichloroethane
Concen: 50.52 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion: 62 Resp: 123677
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: 49.07 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

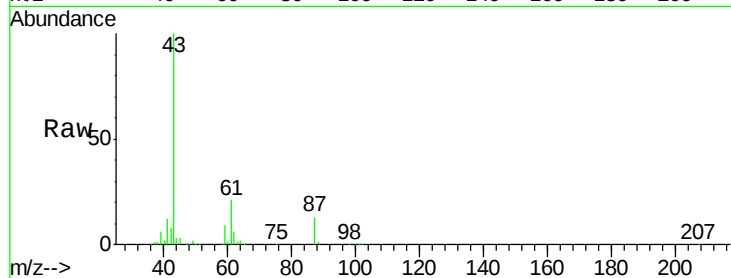
Tgt Ion: 43 Resp: 173077

Ion Ratio Lower Upper

43 100

61 28.7 23.8 35.6

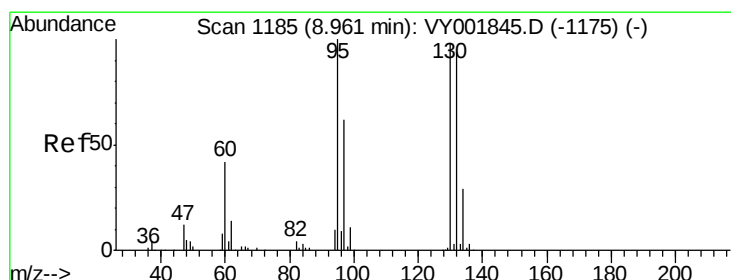
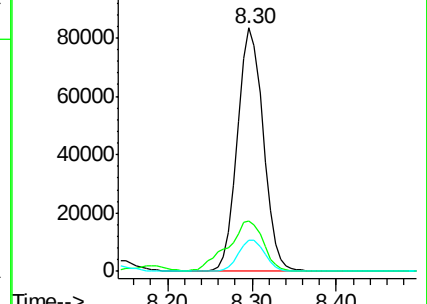
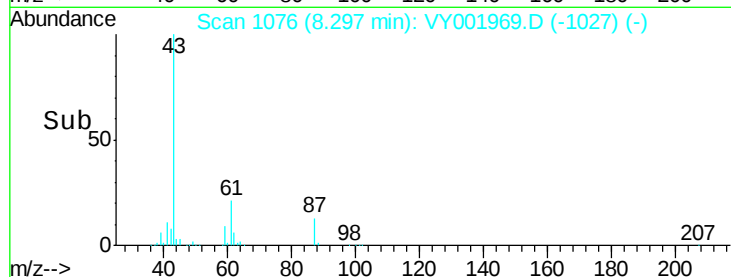
87 13.2 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VY001969.D (-1076) (-)

Ion 61.00 (60.70 to 61.70): VY001969.D (-1076) (-)

Ion 87.00 (86.70 to 87.70): VY001969.D (-1076) (-)



#44

Trichloroethene

Concen: 47.59 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VY001969.D

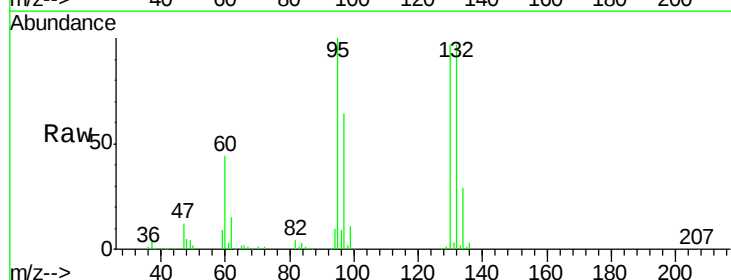
Acq: 12 Mar 2020 20:54

Tgt Ion: 130 Resp: 110106

Ion Ratio Lower Upper

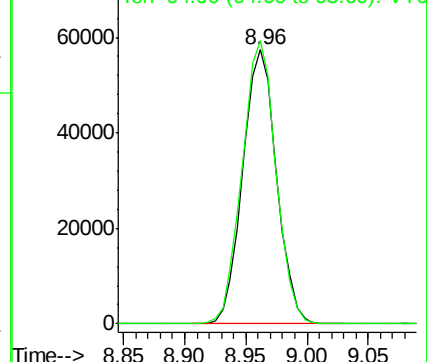
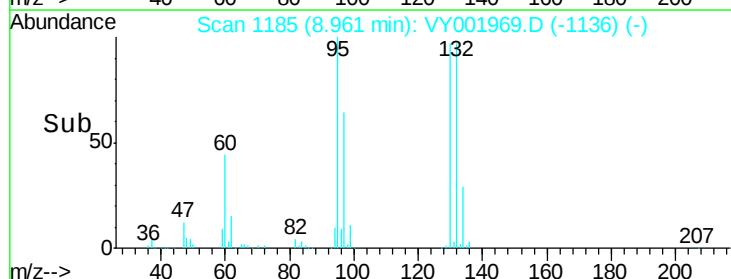
130 100

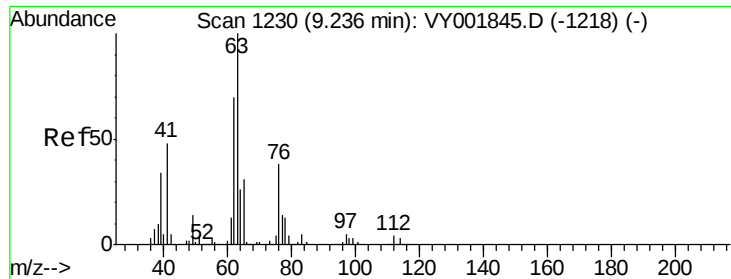
95 103.3 0.0 204.6



Abundance Ion 129.80 (129.50 to 130.50): VY001969.D (-1185) (-)

Ion 94.90 (94.60 to 95.60): VY001969.D (-1185) (-)

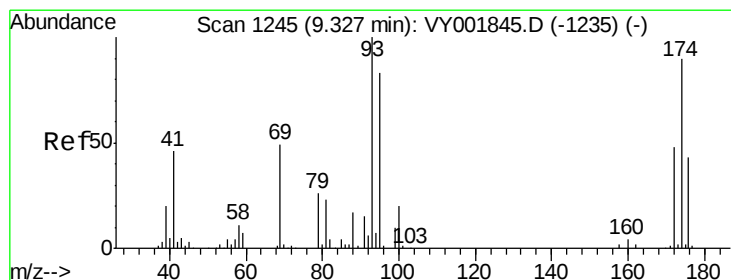
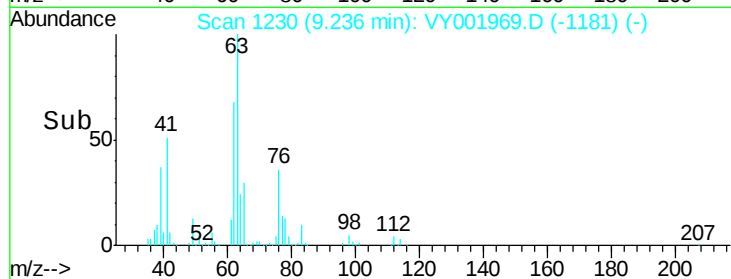
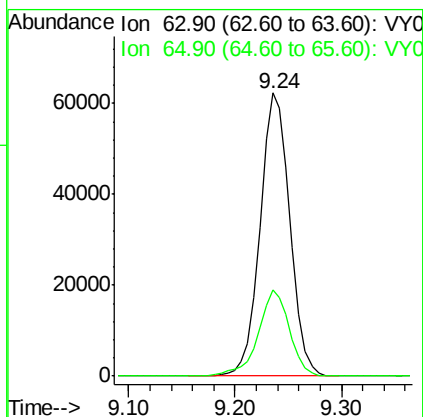
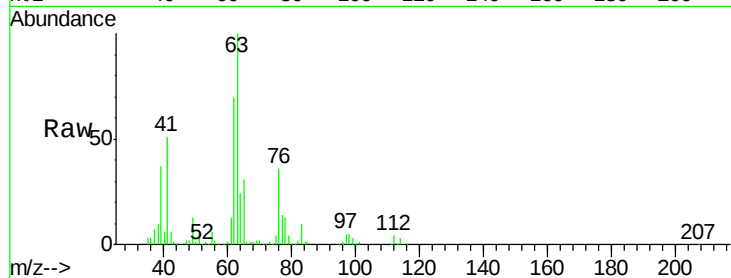




#45
 1,2-Dichloropropane
 Concen: 51.04 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

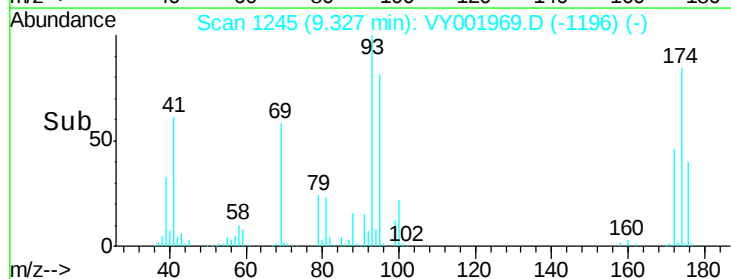
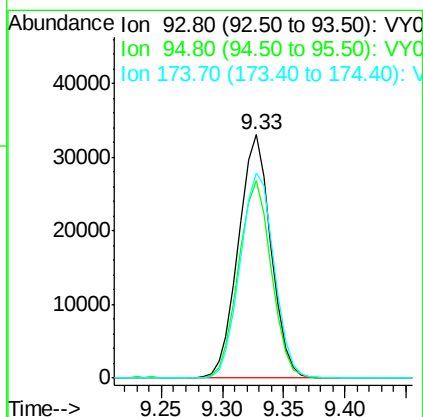
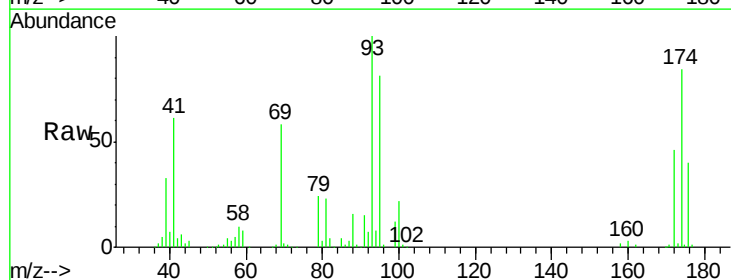
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

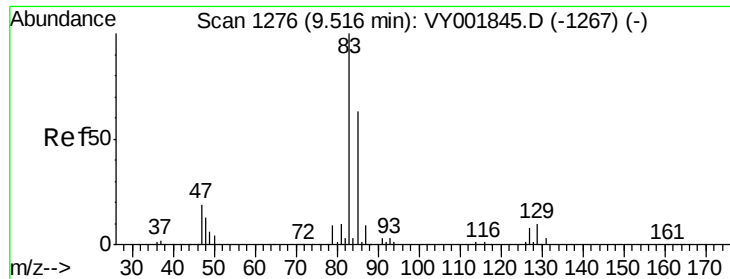
Tgt Ion: 63 Resp: 121901
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.9 37.3



#46
 Dibromomethane
 Concen: 49.75 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion: 93 Resp: 61232
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.0 100.4
 174 88.3 71.8 107.8

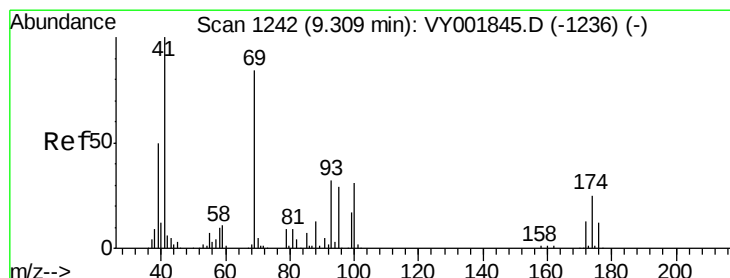
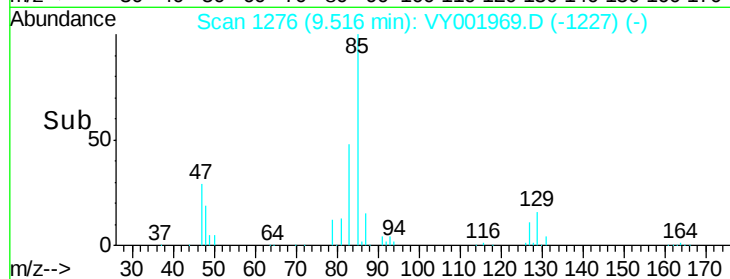
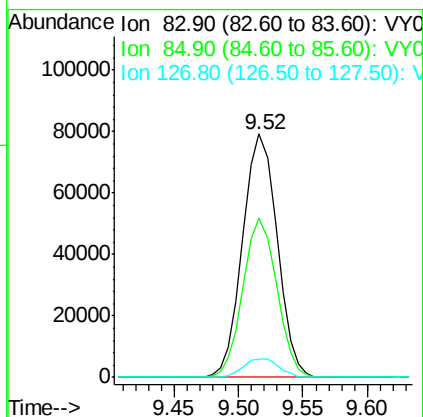
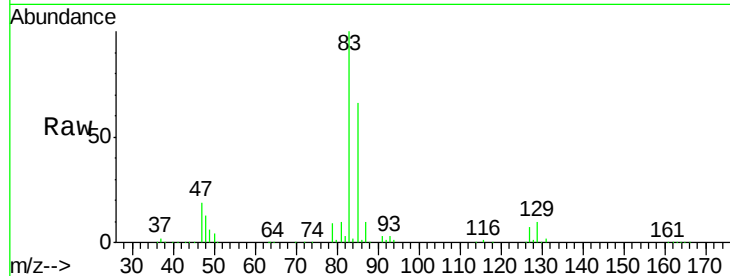




#47
 Bromodichloromethane
 Concen: 51.50 ug/l
 RT: 9.52 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

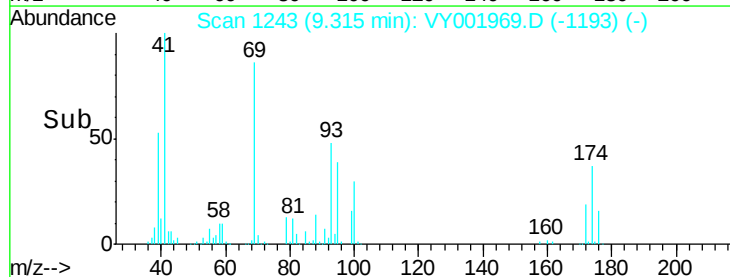
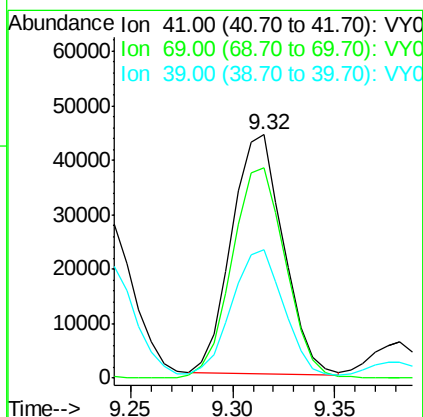
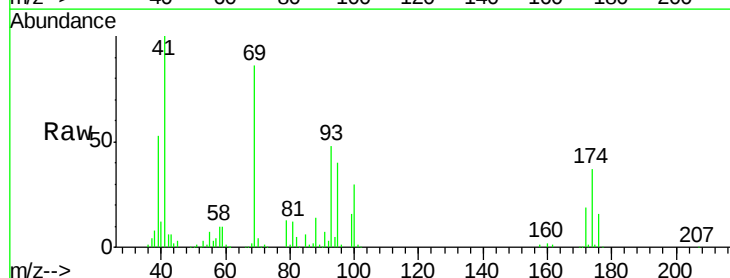
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

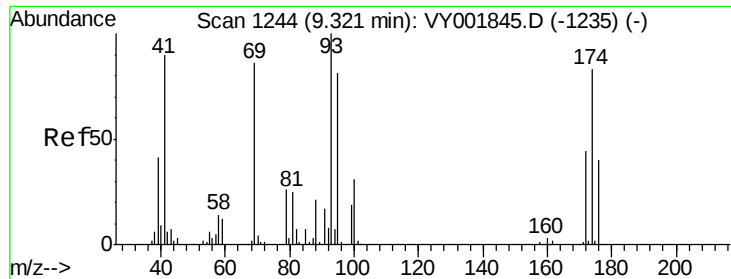
Tgt Ion: 83 Resp: 147444
 Ion Ratio Lower Upper
 83 100
 85 65.5 50.6 76.0
 127 7.3 6.2 9.4



#48
 Methyl methacrylate
 Concen: 49.60 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion: 41 Resp: 77623
 Ion Ratio Lower Upper
 41 100
 69 91.0 69.0 103.6
 39 55.3 39.1 58.7

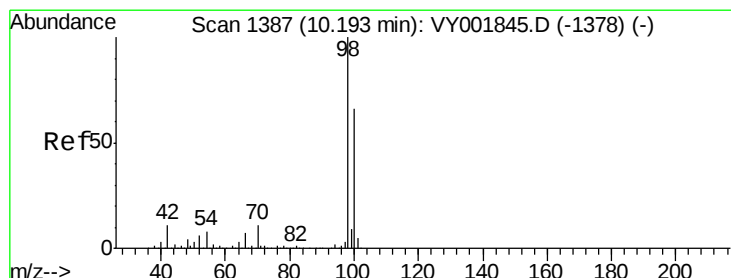
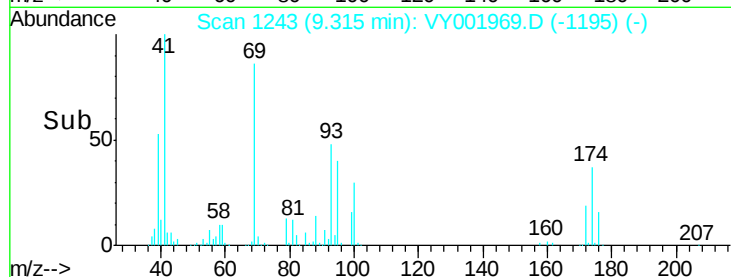
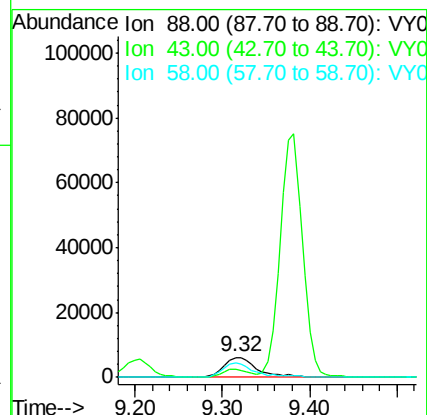
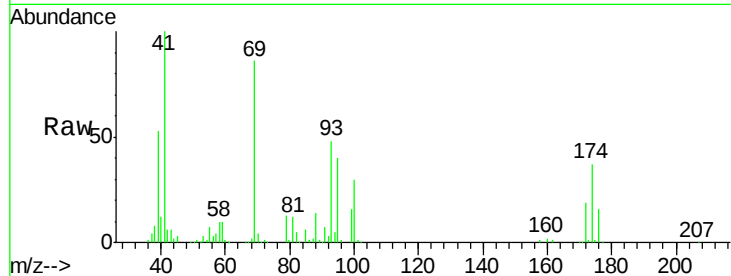




#49
1,4-Dioxane
Concen: 969.89 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

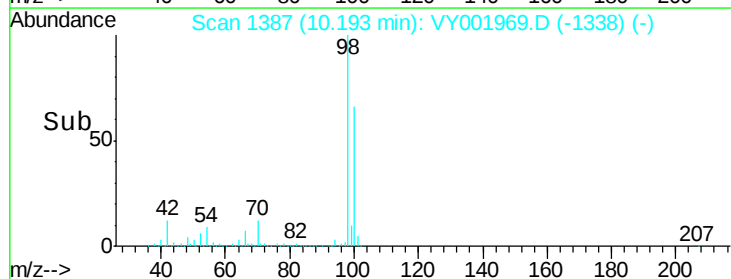
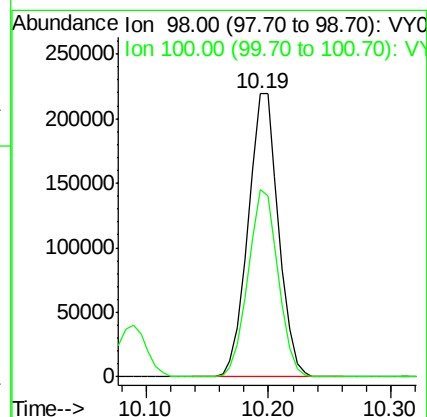
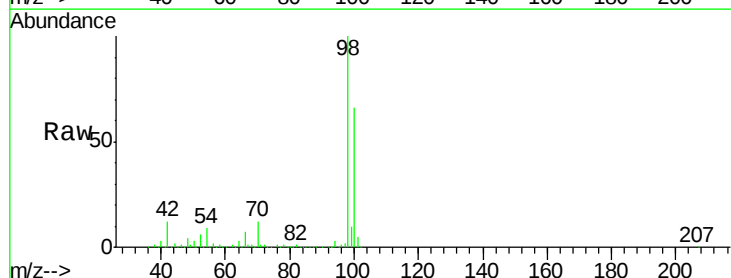
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

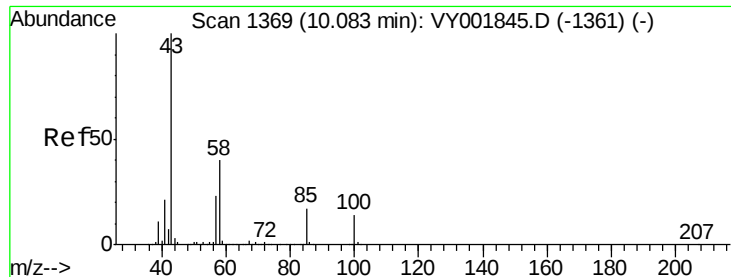
Tgt Ion: 88 Resp: 16356
Ion Ratio Lower Upper
88 100
43 30.9 25.0 37.6
58 71.8 58.9 88.3



#50
Toluene-d8
Concen: 49.29 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion: 98 Resp: 378043
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 247.53 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

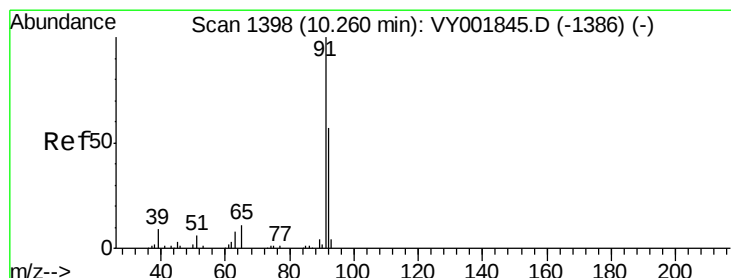
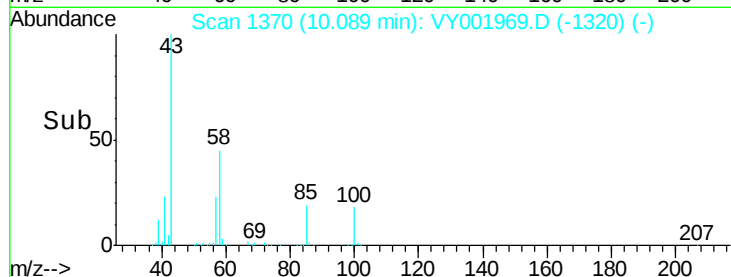
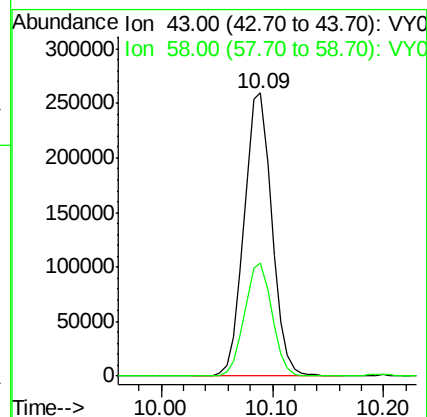
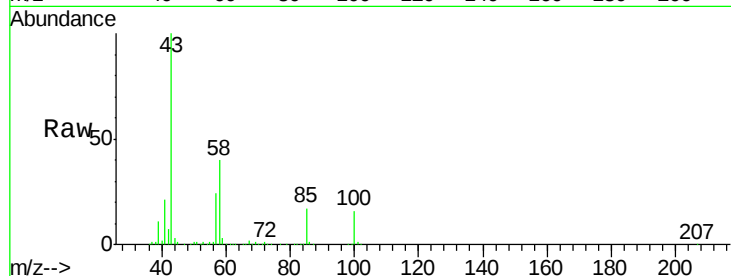
VSTDCCC050EC

Tgt Ion: 43 Resp: 449681

Ion Ratio Lower Upper

43 100

58 39.5 32.0 48.0



#52

Toluene

Concen: 49.16 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VY001969.D

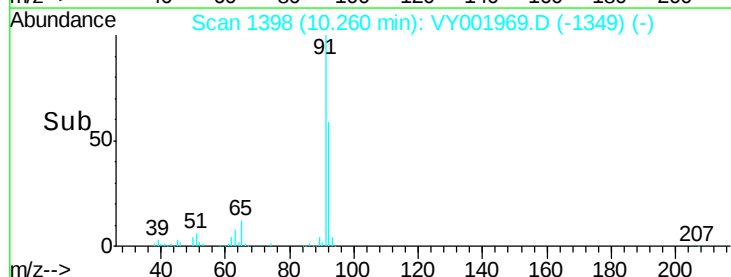
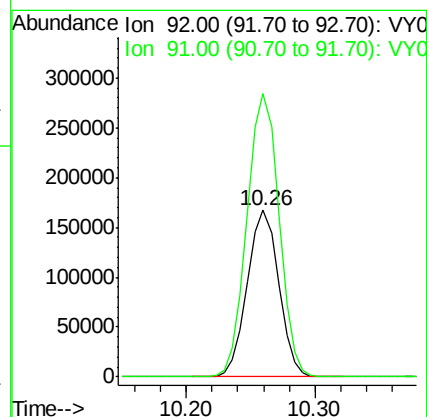
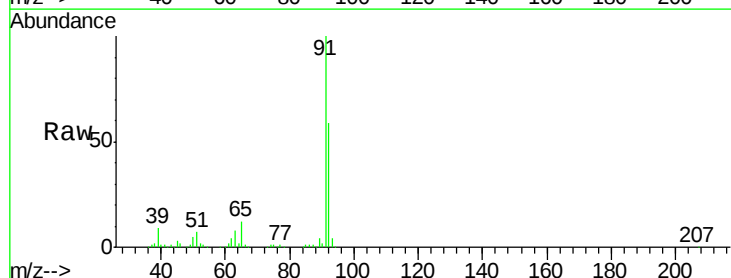
Acq: 12 Mar 2020 20:54

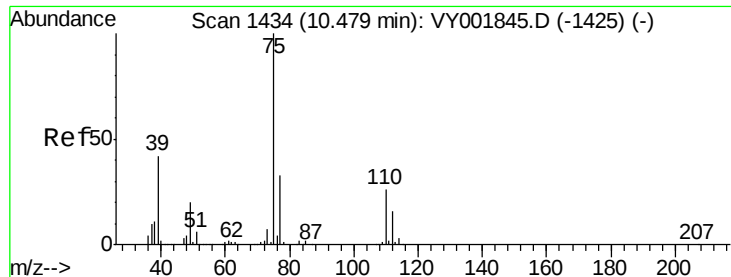
Tgt Ion: 92 Resp: 283716

Ion Ratio Lower Upper

92 100

91 172.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 51.20 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

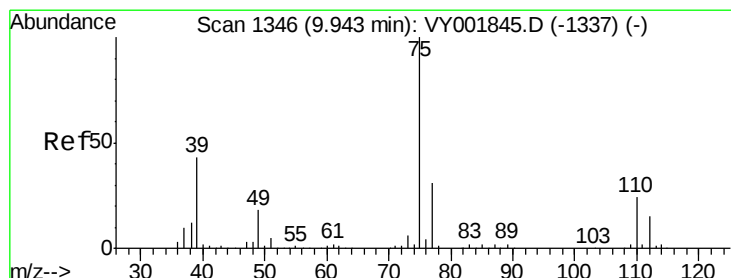
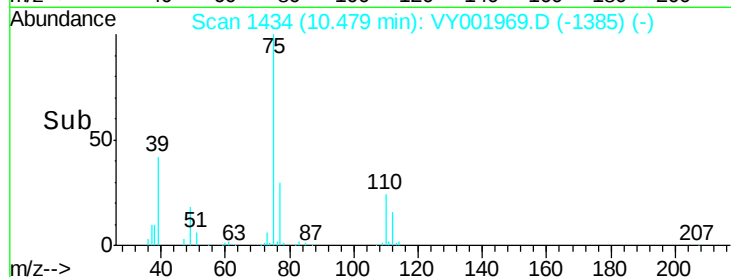
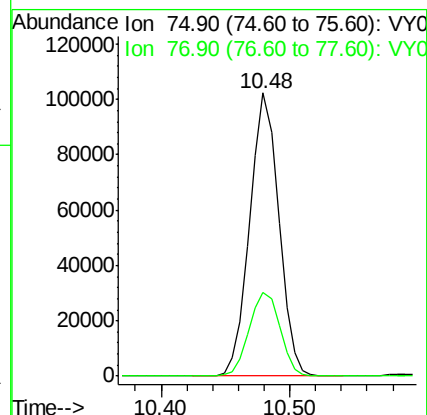
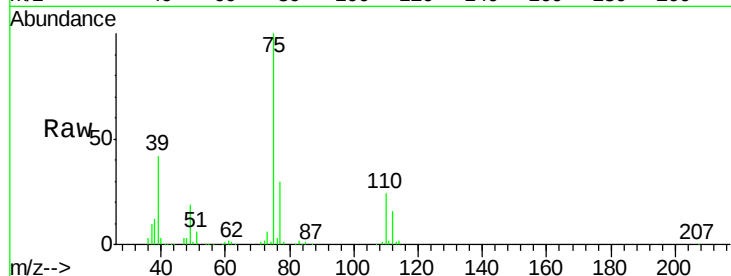
VSTDCCC050EC

Tgt Ion: 75 Resp: 159710

Ion Ratio Lower Upper

75 100

77 29.8 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 50.26 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

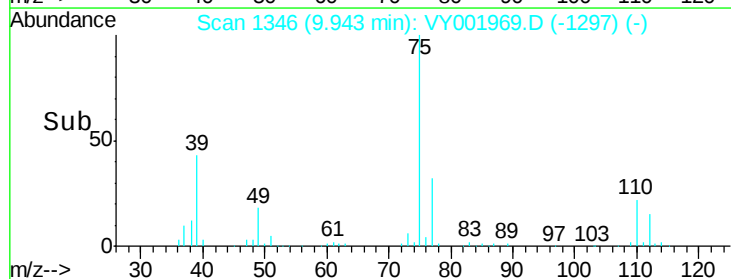
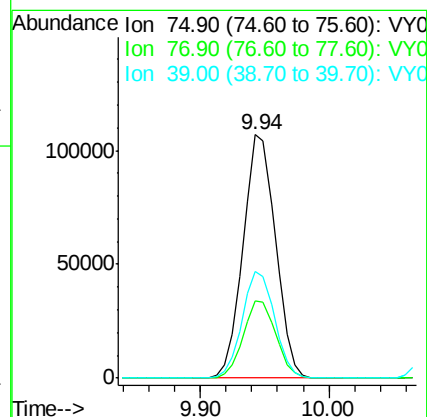
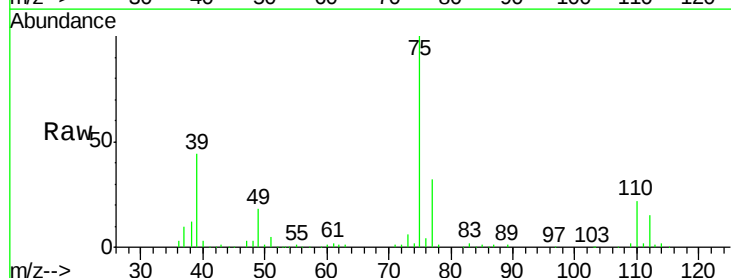
Tgt Ion: 75 Resp: 186605

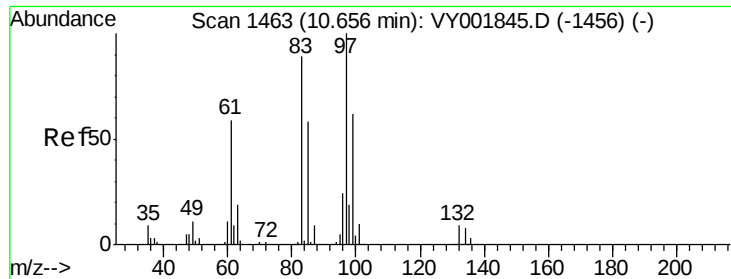
Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 43.8 34.7 52.1

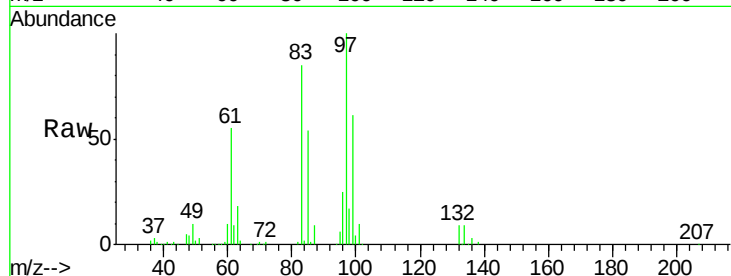




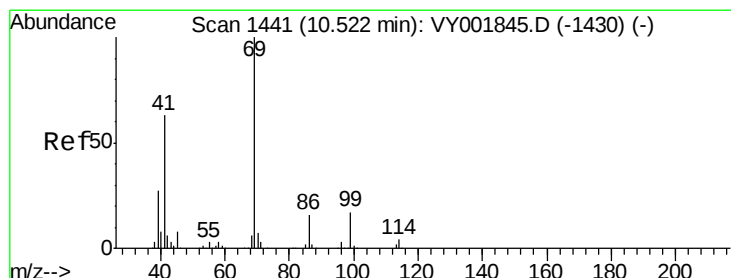
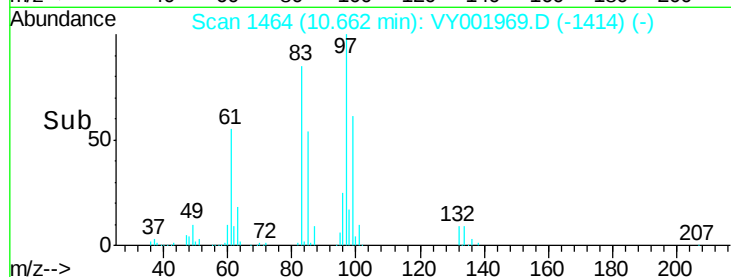
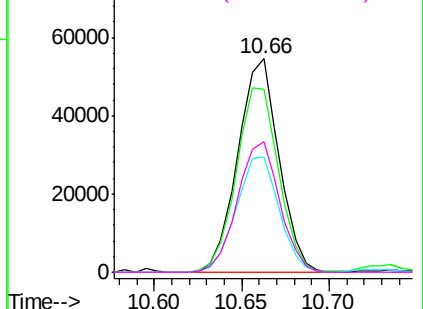
#55
 1,1,2-Trichloroethane
 Concen: 49.55 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 89248
 Ion Ratio Lower Upper
 97 100
 83 85.4 71.6 107.4
 85 54.1 46.6 69.8
 99 61.3 49.8 74.6

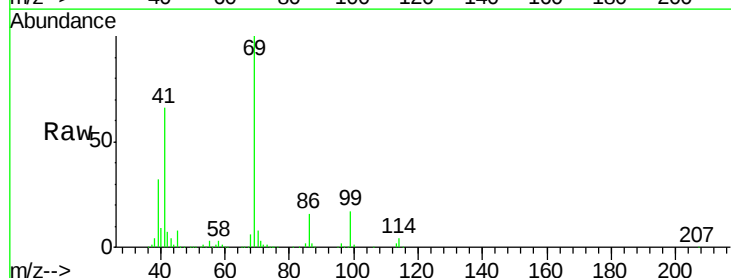


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

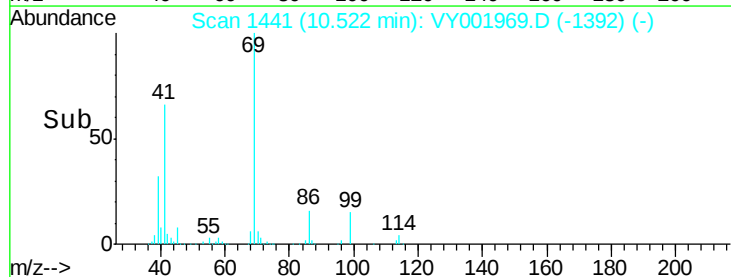
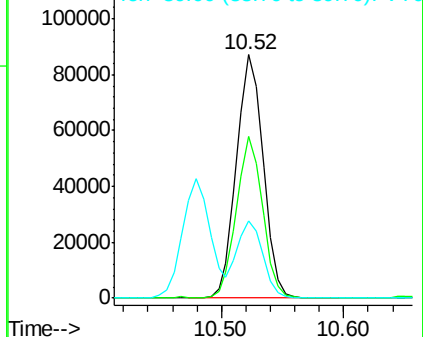


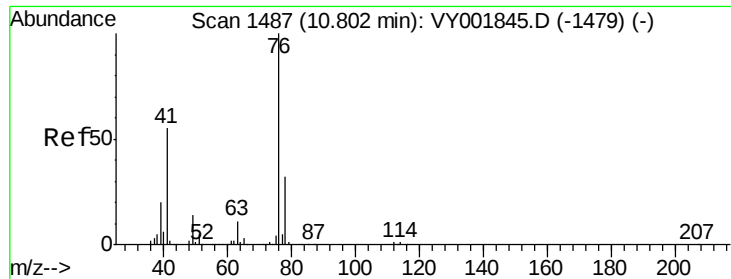
#56
 Ethyl methacrylate
 Concen: 50.16 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion: 69 Resp: 132428
 Ion Ratio Lower Upper
 69 100
 41 64.5 49.9 74.9
 39 30.6 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: 49.94 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

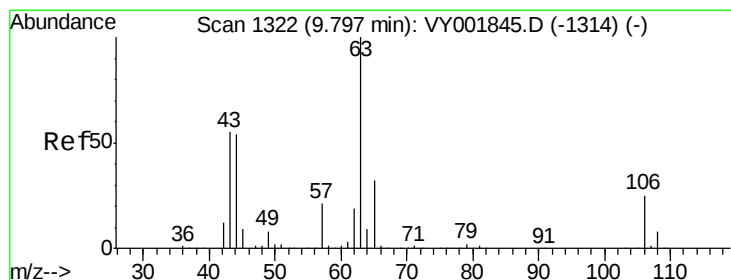
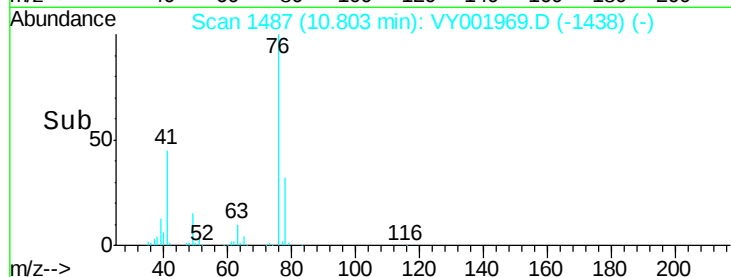
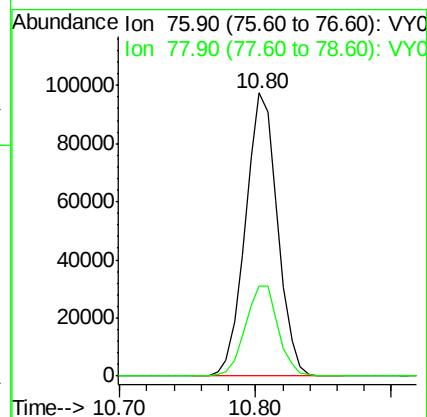
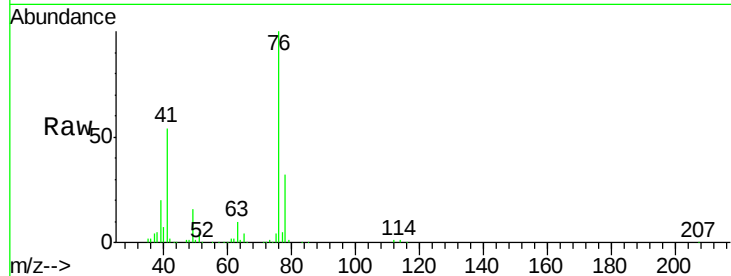
VSTDCCC050EC

Tgt Ion: 76 Resp: 160349

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 232.46 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY001969.D

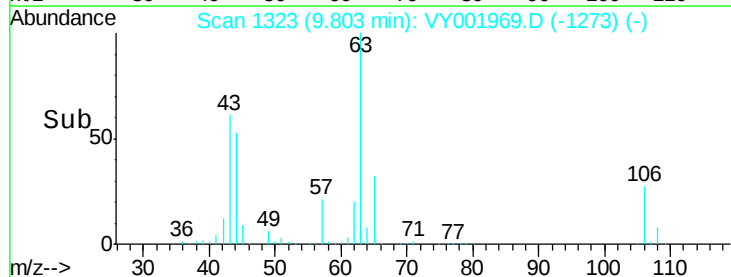
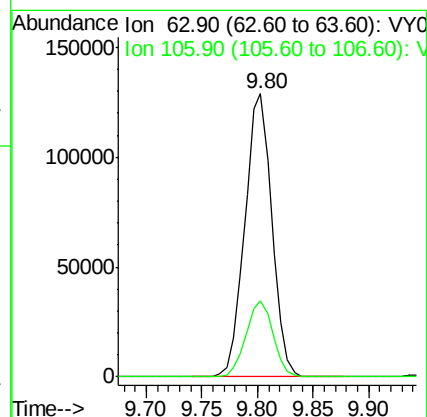
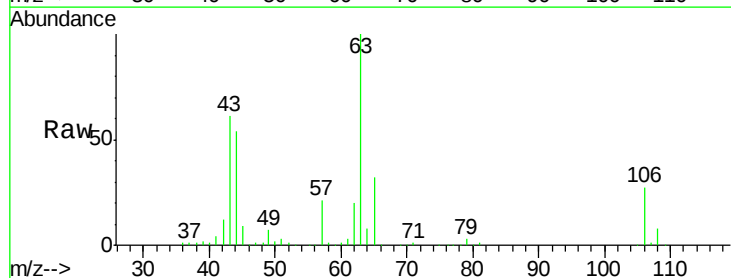
Acq: 12 Mar 2020 20:54

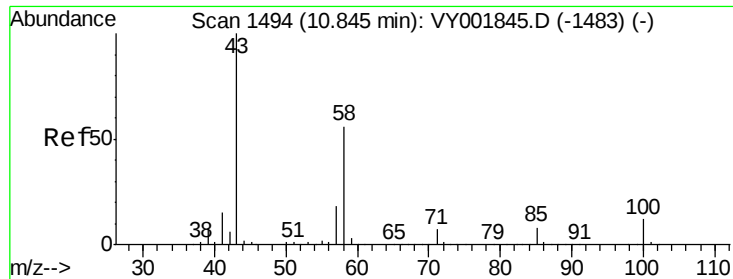
Tgt Ion: 63 Resp: 216618

Ion Ratio Lower Upper

63 100

106 26.9 21.3 31.9

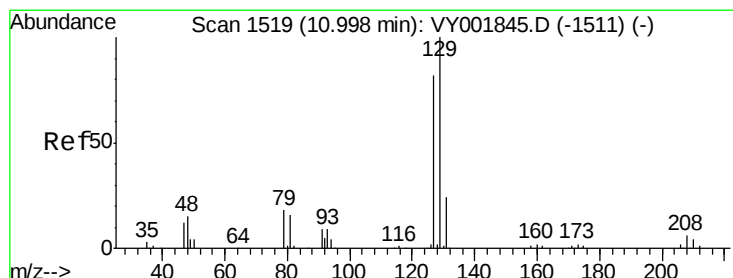
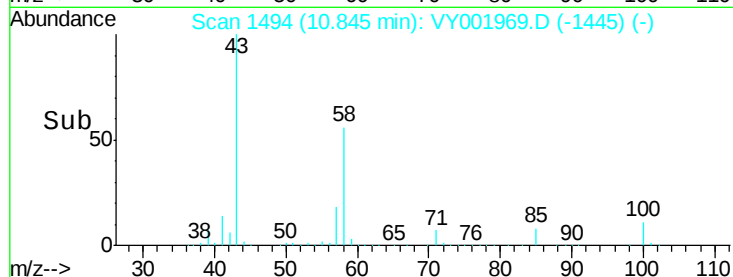
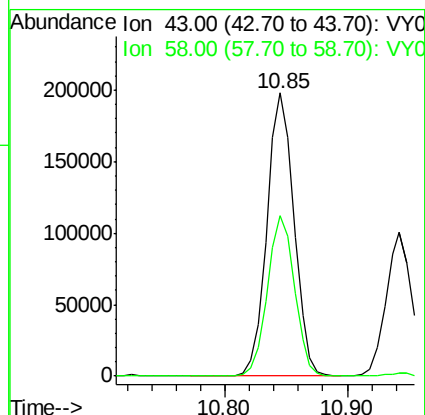
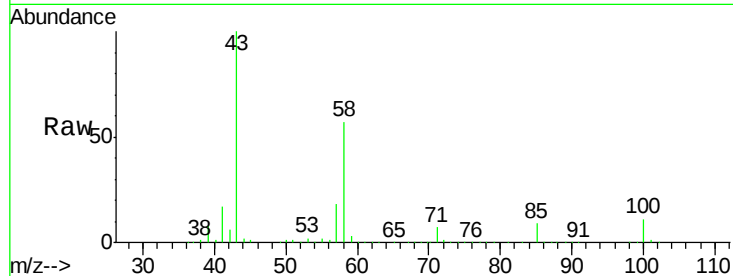




#59
2-Hexanone
Concen: 235.01 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

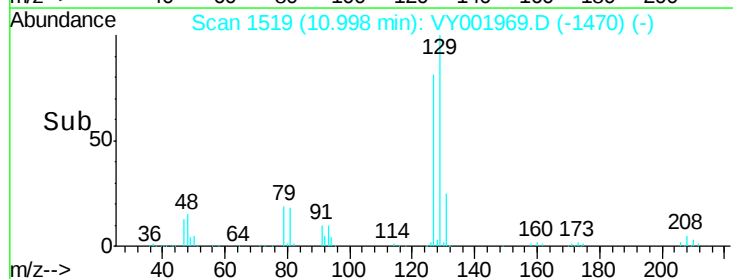
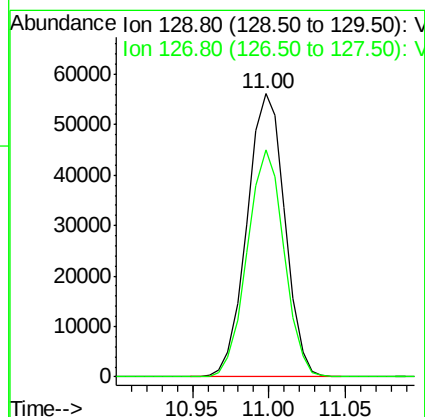
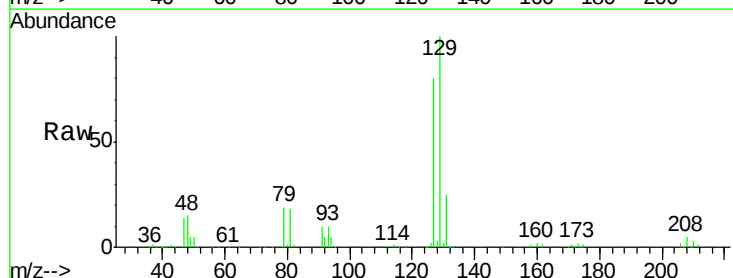
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

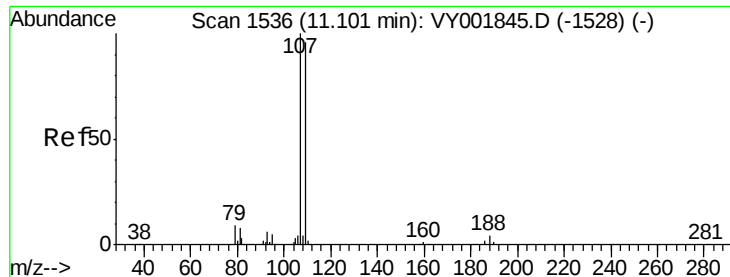
Tgt Ion: 43 Resp: 304726
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3



#60
Dibromochloromethane
Concen: 50.82 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion: 129 Resp: 96448
Ion Ratio Lower Upper
129 100
127 78.1 39.0 117.0

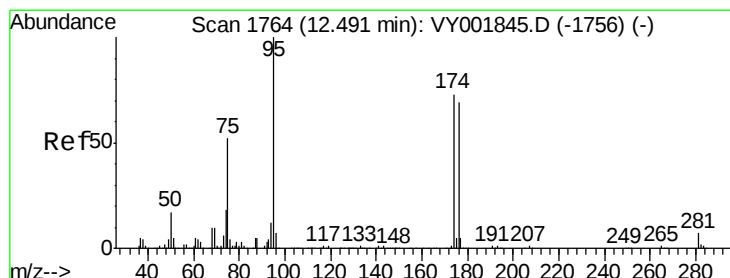
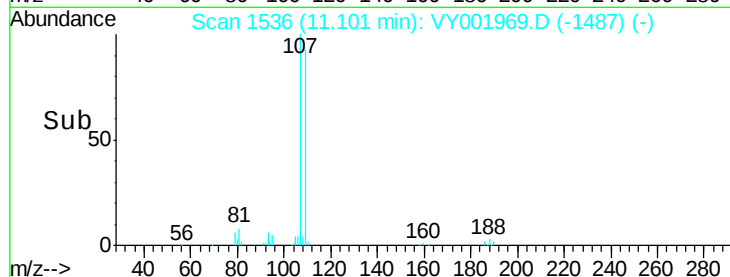
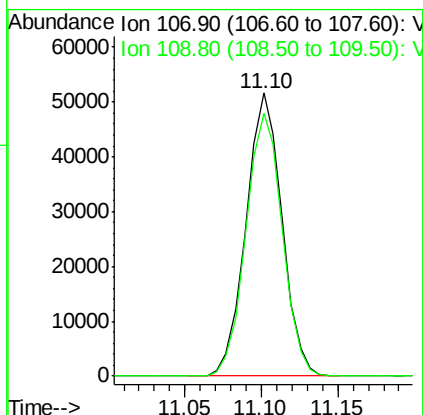
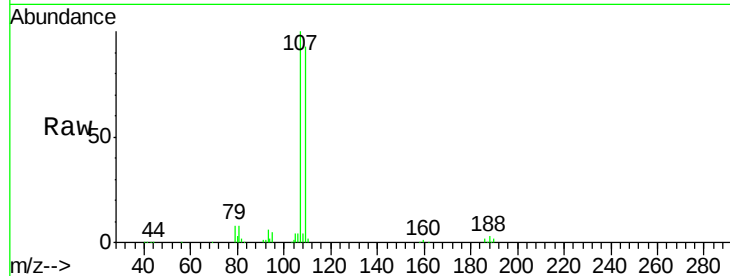




#61
 1,2-Dibromoethane
 Concen: 49.42 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

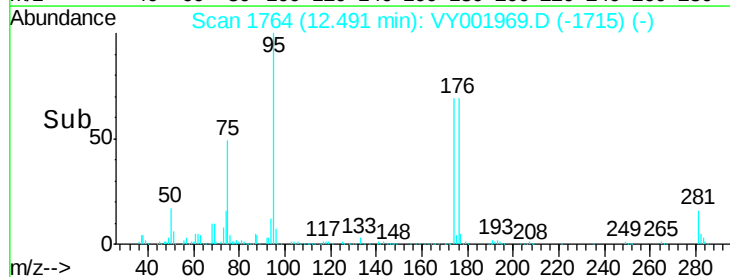
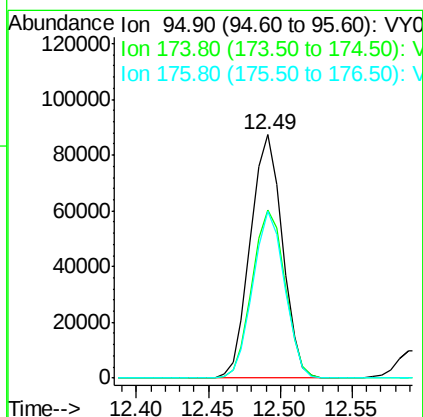
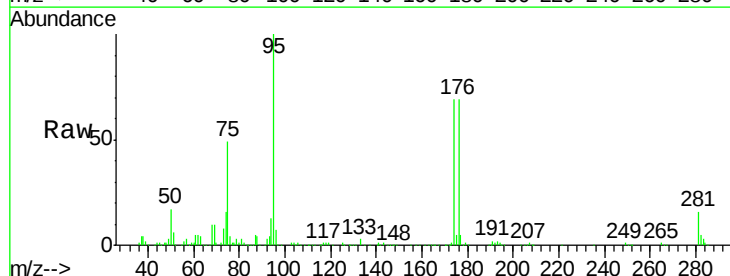
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

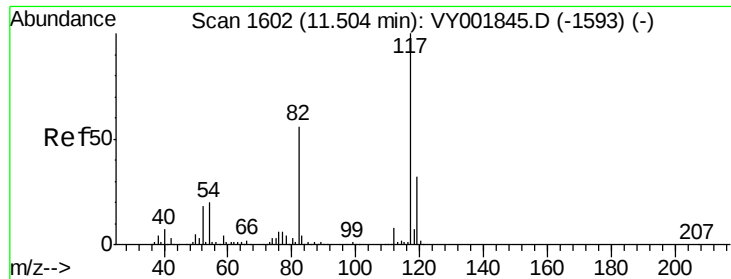
Tgt Ion: 107 Resp: 84311
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.27 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion: 95 Resp: 134053
 Ion Ratio Lower Upper
 95 100
 174 70.8 0.0 145.0
 176 68.1 0.0 137.4

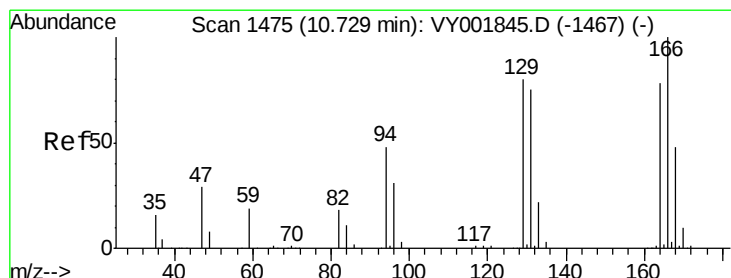
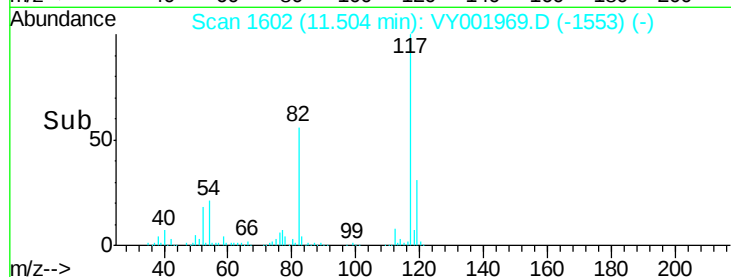
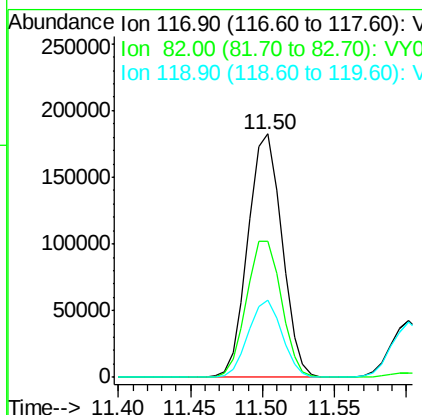
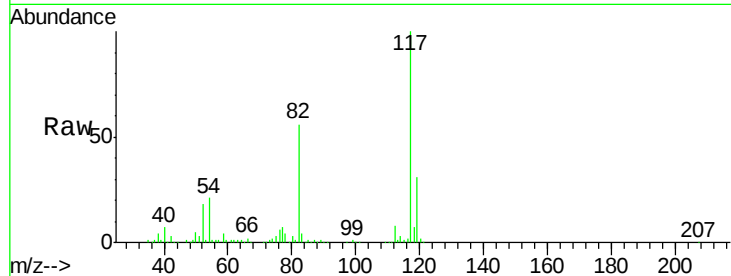




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

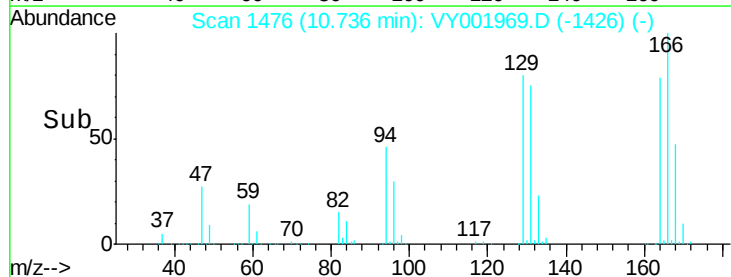
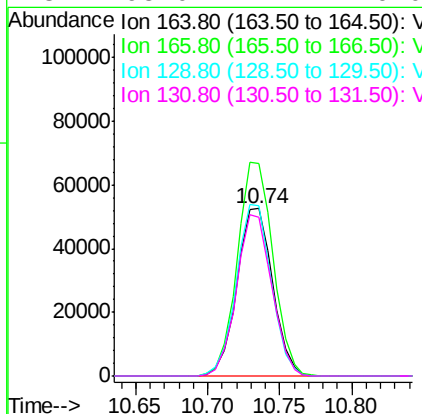
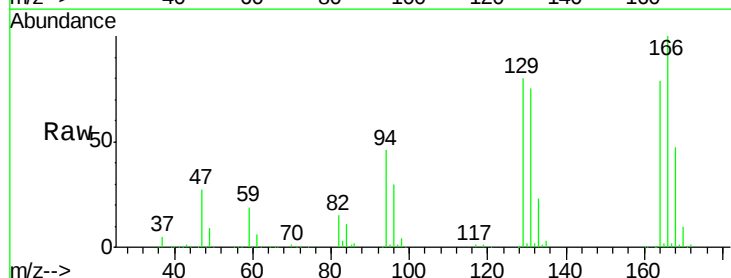
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

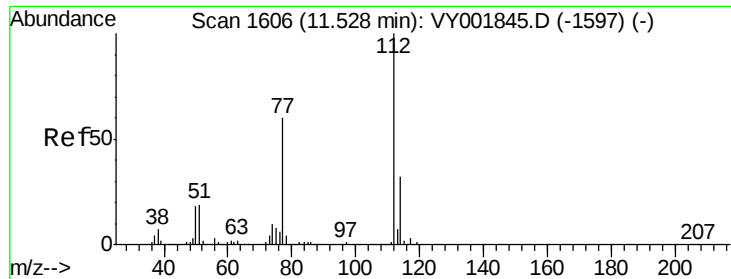
Tgt Ion:117 Resp: 298586
Ion Ratio Lower Upper
117 100
82 55.8 44.5 66.7
119 31.5 25.7 38.5



#64
Tetrachloroethene
Concen: 48.11 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion:164 Resp: 90085
Ion Ratio Lower Upper
164 100
166 126.8 102.6 154.0
129 101.7 82.3 123.5
131 95.0 77.4 116.0

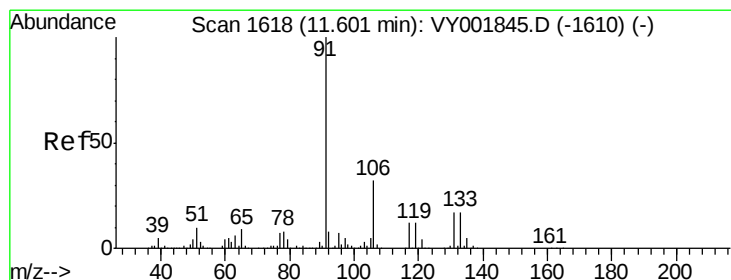
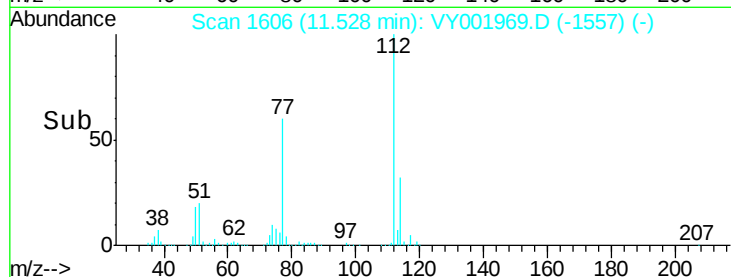
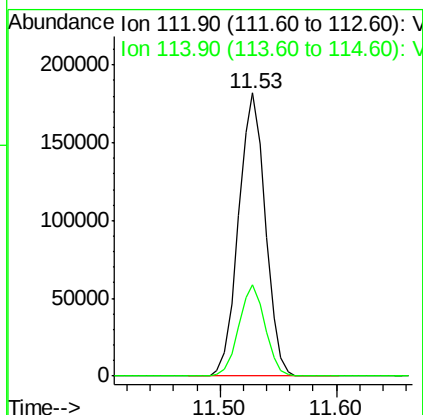
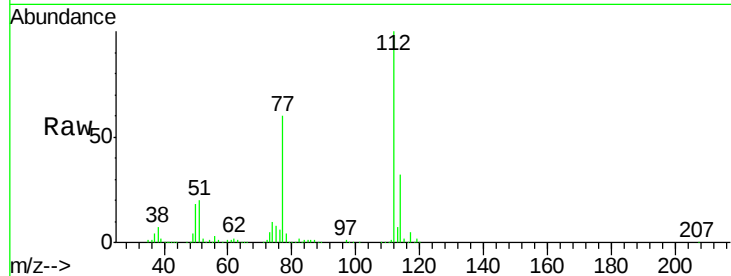




#65
Chlorobenzene
Concen: 49.08 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

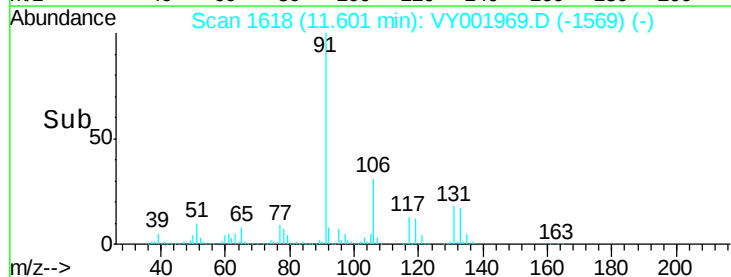
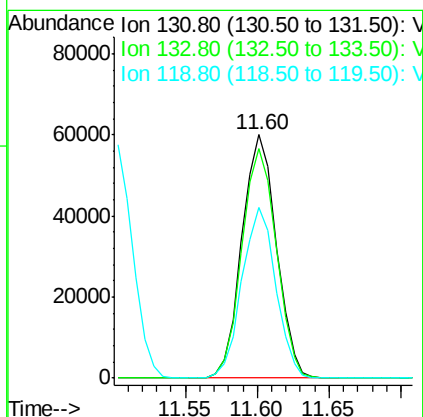
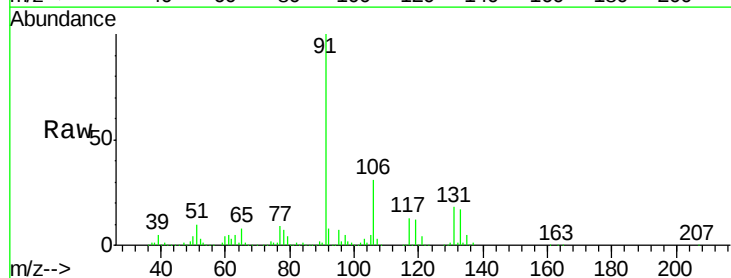
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

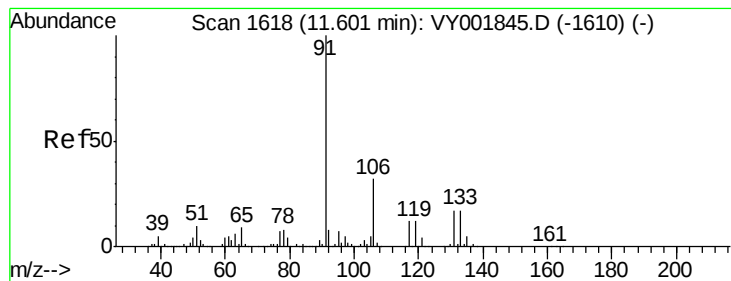
Tgt Ion:112 Resp: 291983
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.89 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion:131 Resp: 99288
Ion Ratio Lower Upper
131 100
133 94.6 47.1 141.3
119 68.9 34.5 103.6





#67

Ethyl Benzene

Concen: 49.26 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

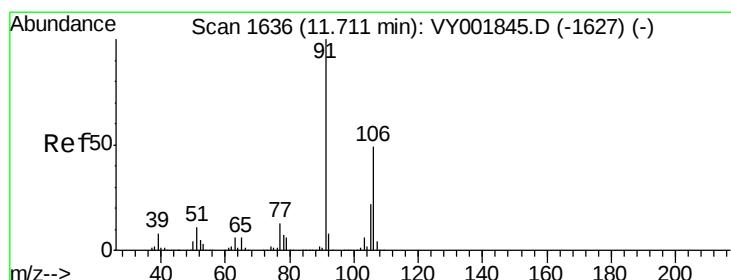
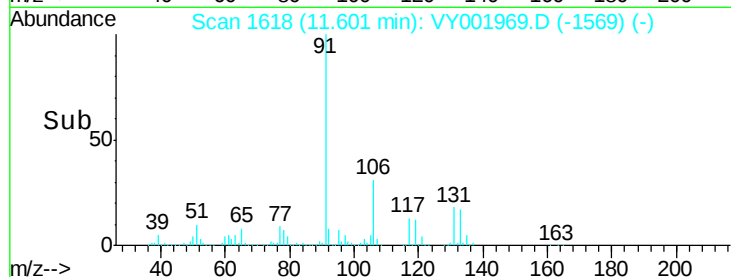
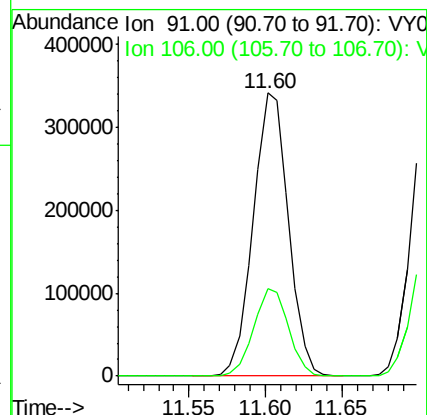
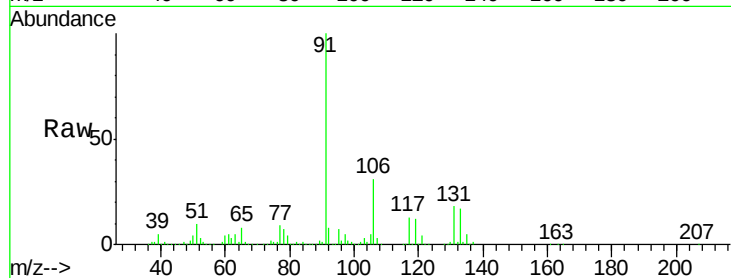
VSTDCCC050EC

Tgt Ion: 91 Resp: 546543

Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.2



#68

m/p-Xylenes

Concen: 96.63 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY001969.D

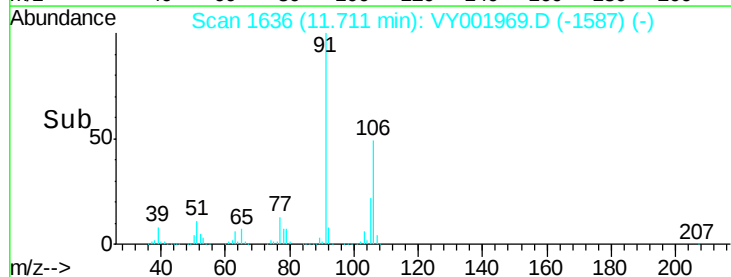
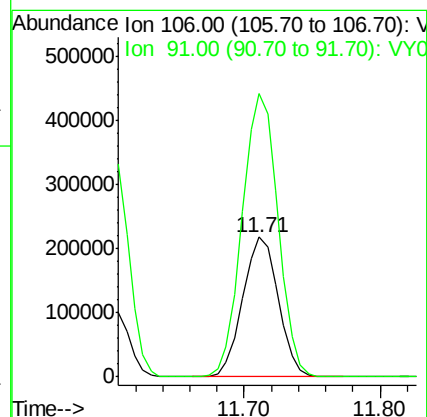
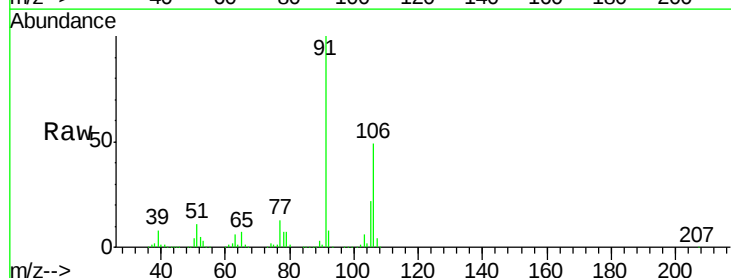
Acq: 12 Mar 2020 20:54

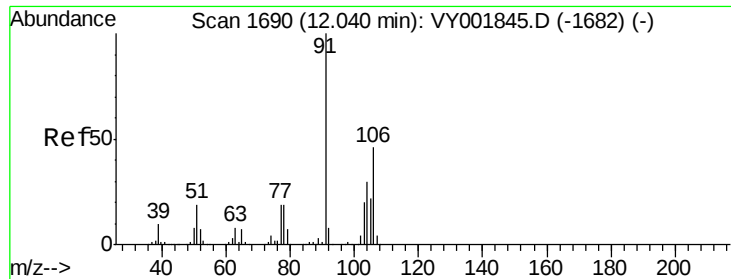
Tgt Ion: 106 Resp: 396401

Ion Ratio Lower Upper

106 100

91 204.4 161.3 241.9

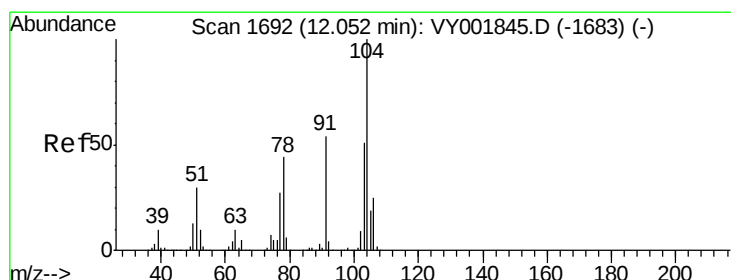
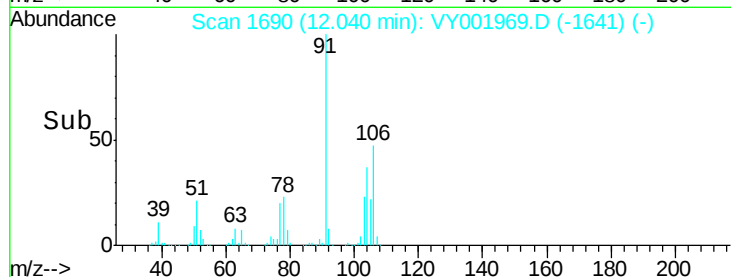
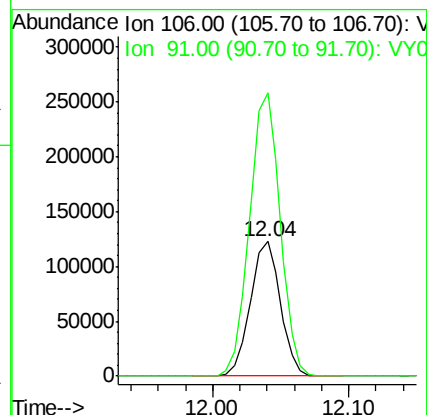
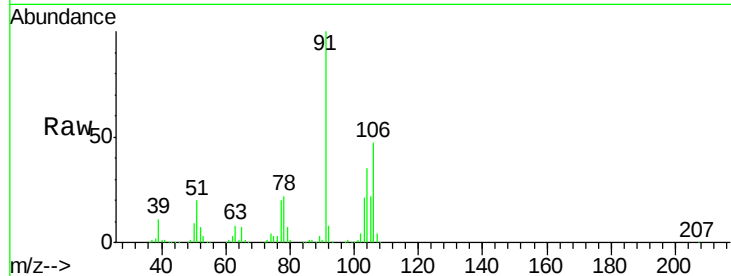




#69
o-Xylene
Concen: 49.23 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

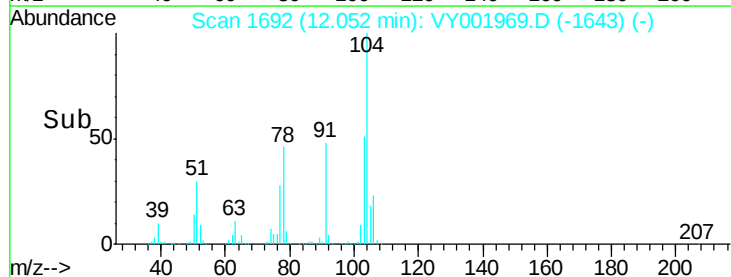
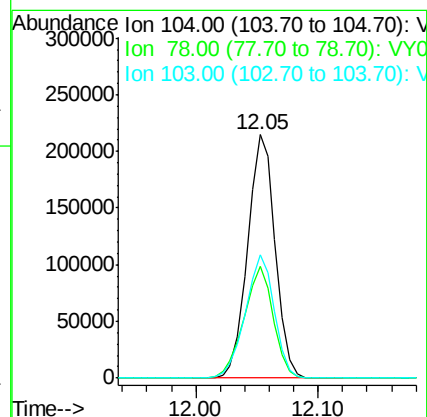
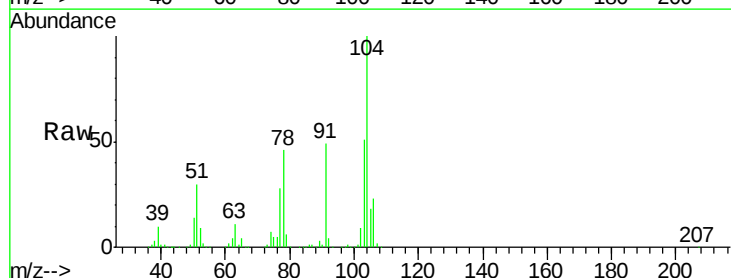
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

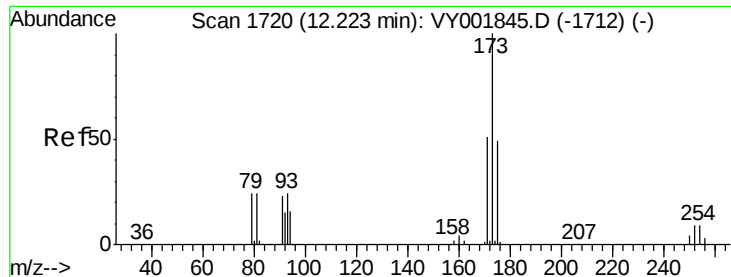
Tgt Ion:106 Resp: 190360
Ion Ratio Lower Upper
106 100
91 214.5 106.8 320.4



#70
Styrene
Concen: 50.46 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion:104 Resp: 334171
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 53.3 42.9 64.3





#71

Bromoform

Concen: 51.01 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

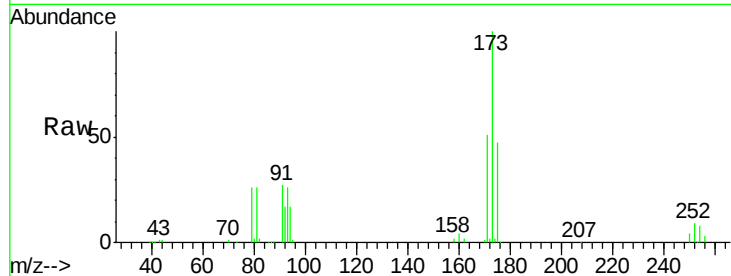
Tgt Ion:173 Resp: 53975

Ion Ratio Lower Upper

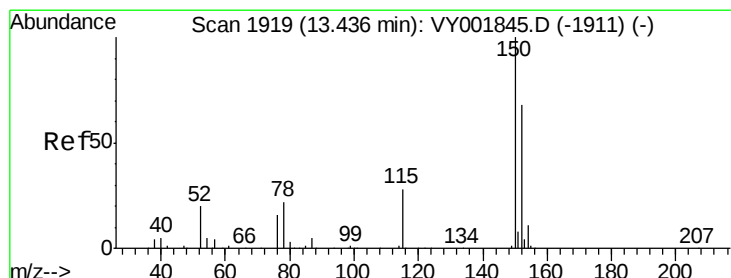
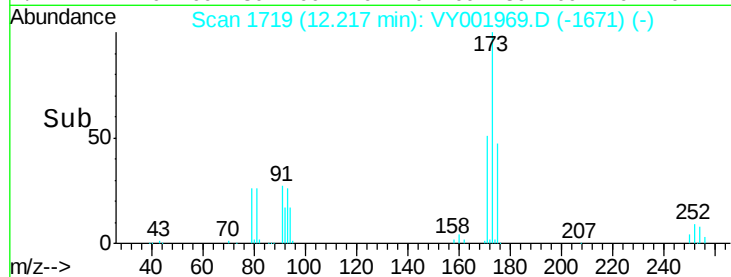
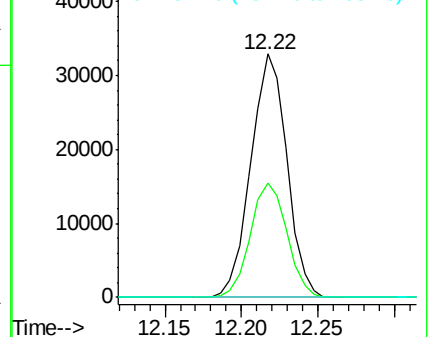
173 100

175 47.4 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: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

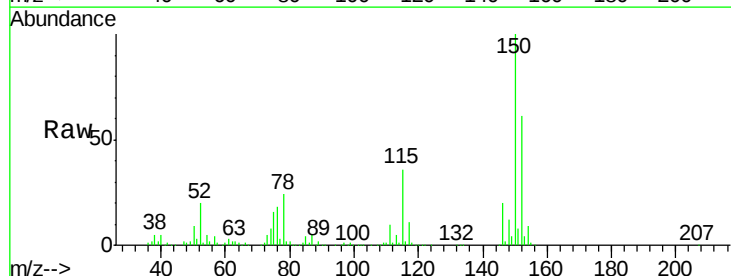
Tgt Ion:152 Resp: 136327

Ion Ratio Lower Upper

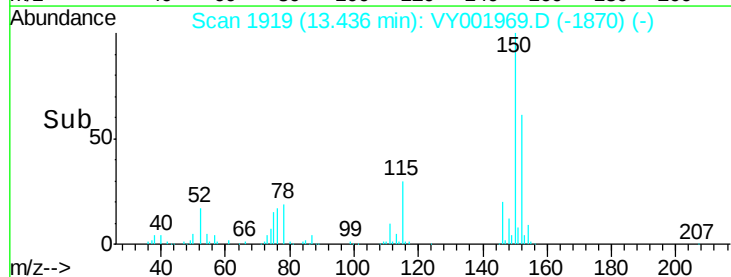
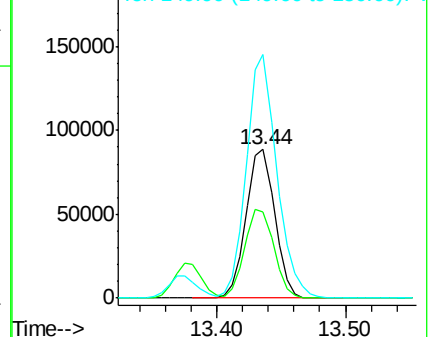
152 100

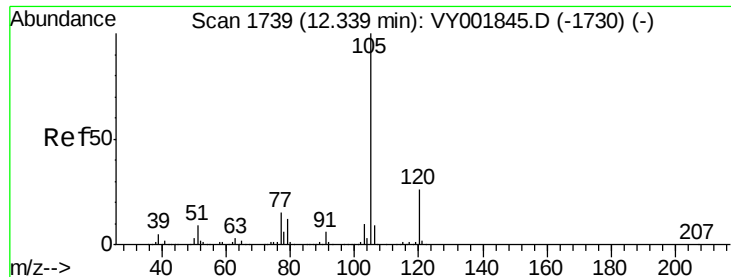
115 60.6 29.9 89.7

150 173.0 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: 48.85 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

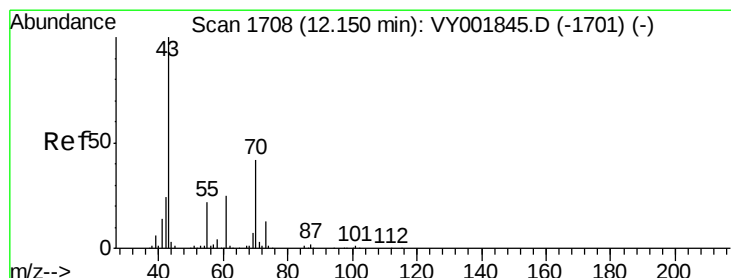
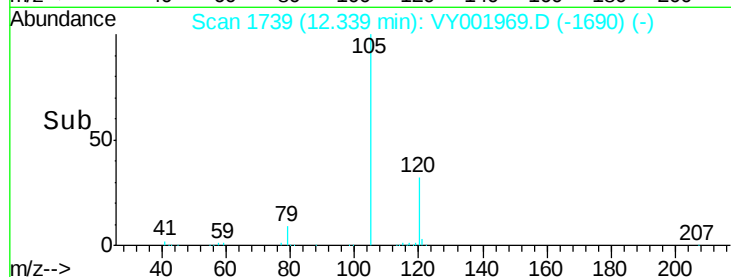
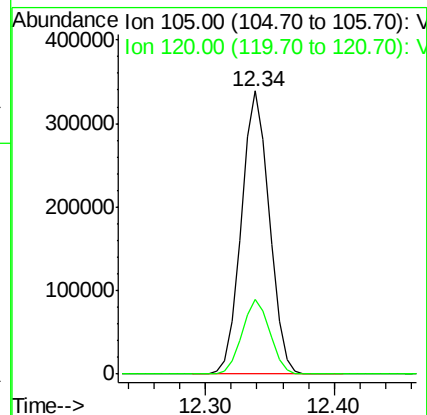
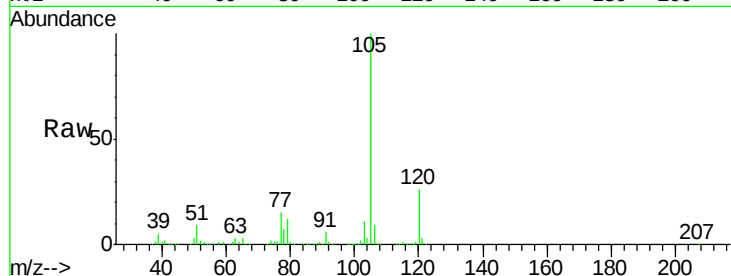
VSTDCCC050EC

Tgt Ion:105 Resp: 508335

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3



#74

N-ethyl acetate

Concen: 49.58 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Tgt Ion: 43 Resp: 158585

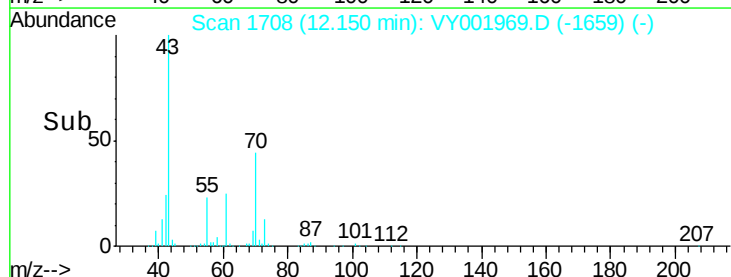
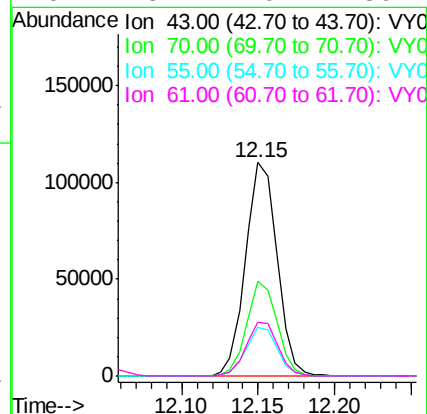
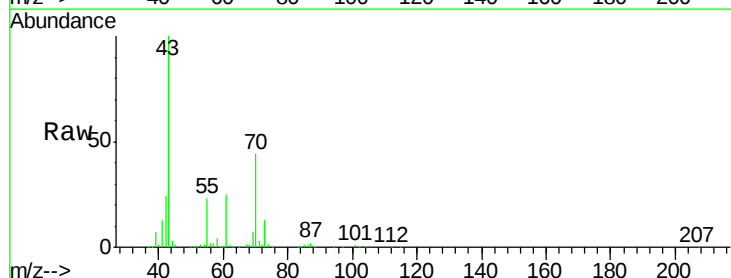
Ion Ratio Lower Upper

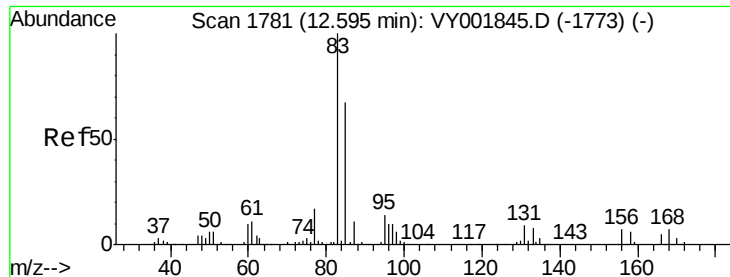
43 100

70 42.9 34.7 52.1

55 22.6 18.2 27.4

61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.57 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

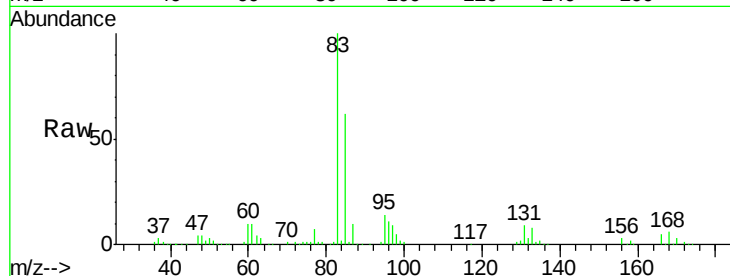
Tgt Ion: 83 Resp: 109004

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

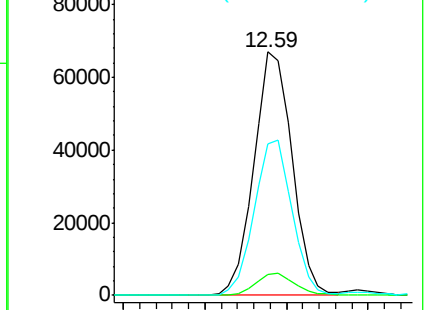
85 63.0 32.1 96.3



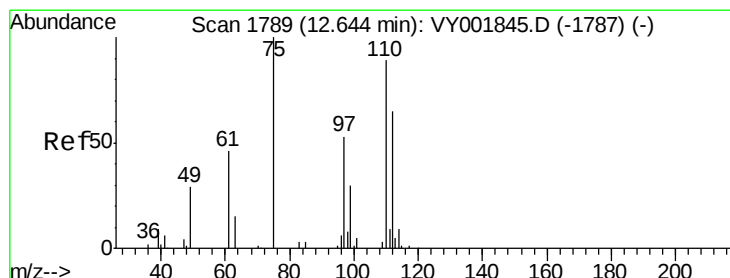
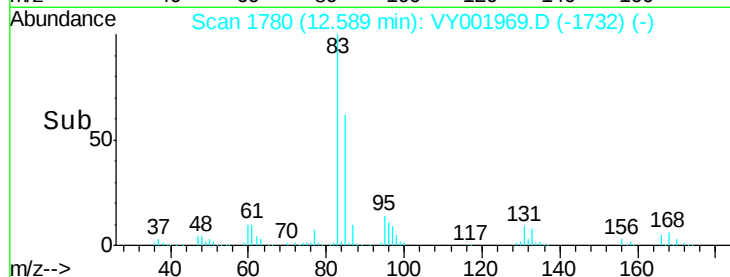
Abundance Ion 82.90 (82.60 to 83.60): VY001969.D (-1732) (-)

Ion 130.80 (130.50 to 131.50): VY001969.D (-1732) (-)

Ion 84.90 (84.60 to 85.60): VY001969.D (-1732) (-)



Time--> 12.50 12.55 12.60 12.65



#76

1,2,3-Trichloropropane

Concen: 88.09 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY001969.D

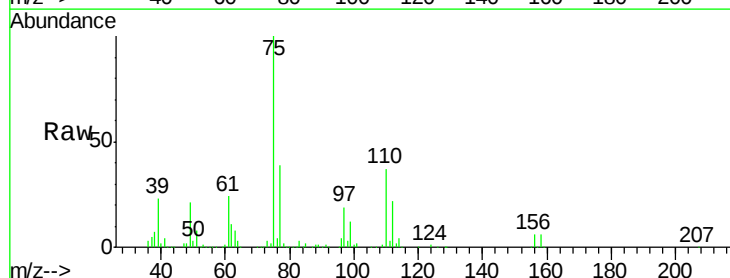
Acq: 12 Mar 2020 20:54

Tgt Ion: 75 Resp: 142500

Ion Ratio Lower Upper

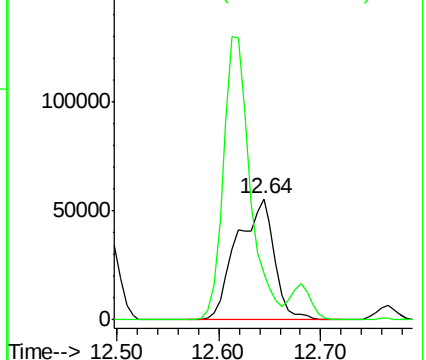
75 100

77 0.0 0.0 0.0

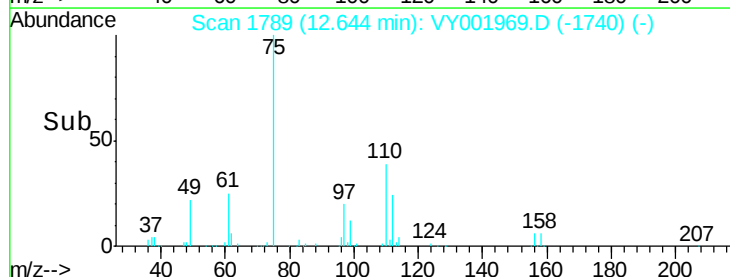


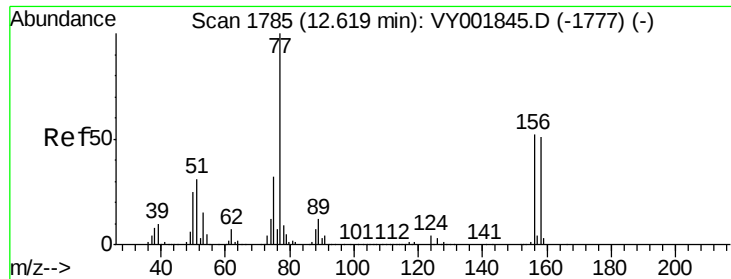
Abundance Ion 74.90 (74.60 to 75.60): VY001969.D (-1740) (-)

Ion 77.00 (76.70 to 77.70): VY001969.D (-1740) (-)



Time--> 12.50 12.60 12.70

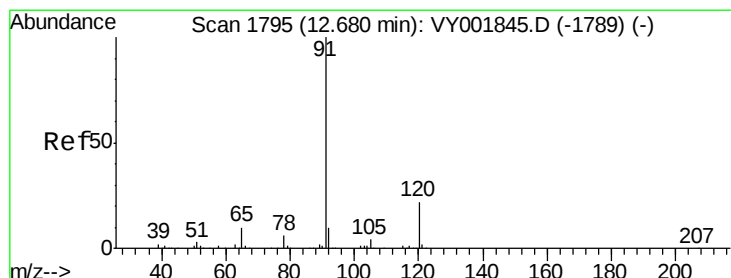
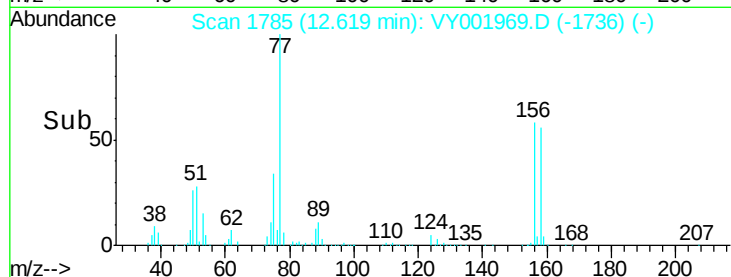
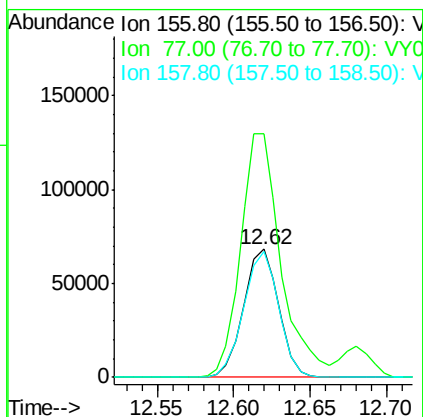
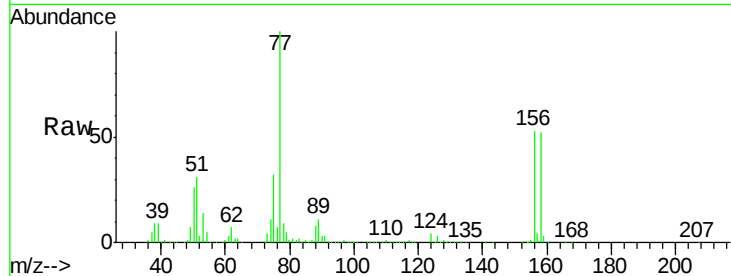




#77
Bromobenzene
Concen: 49.44 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

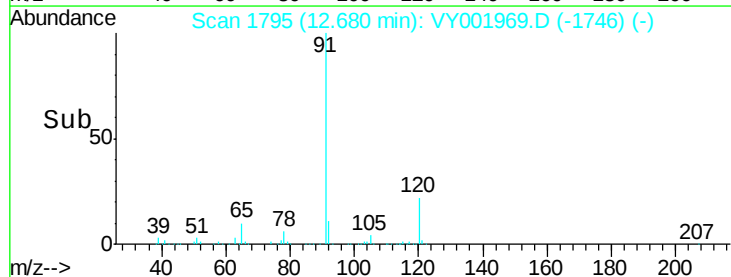
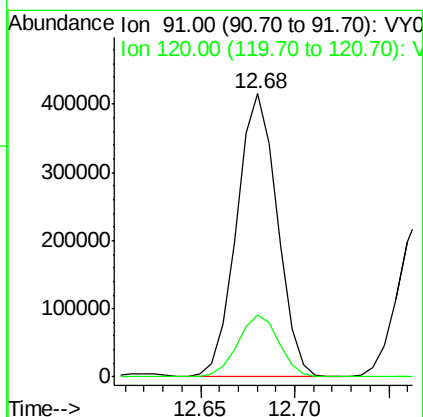
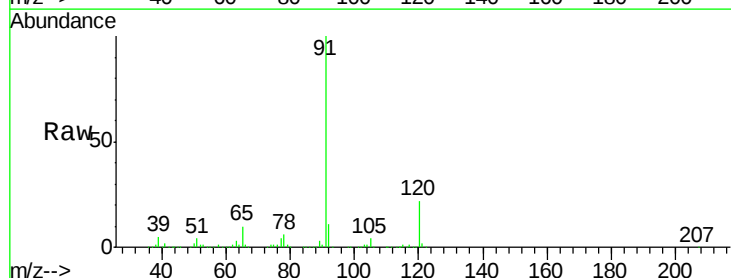
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

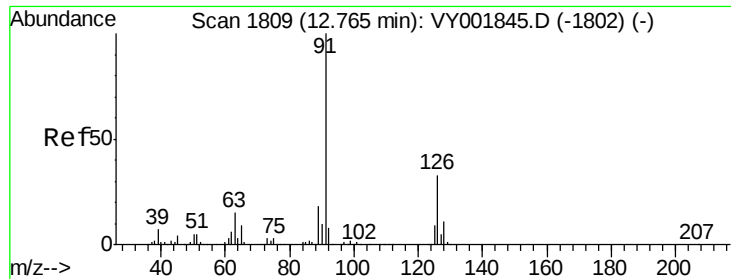
Tgt Ion: 156 Resp: 109000
Ion Ratio Lower Upper
156 100
77 217.6 109.0 327.0
158 97.7 48.9 146.8



#78
n-propylbenzene
Concen: 48.39 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion: 91 Resp: 621250
Ion Ratio Lower Upper
91 100
120 22.1 11.0 33.0





#79

2-Chlorotoluene

Concen: 49.76 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

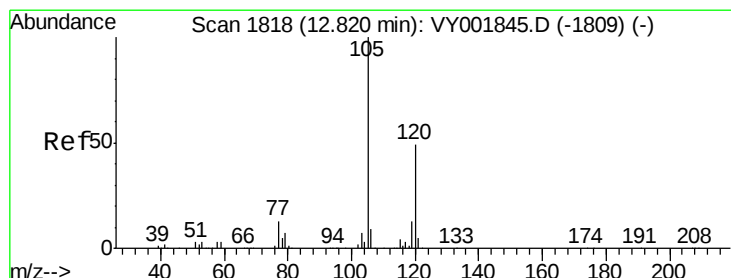
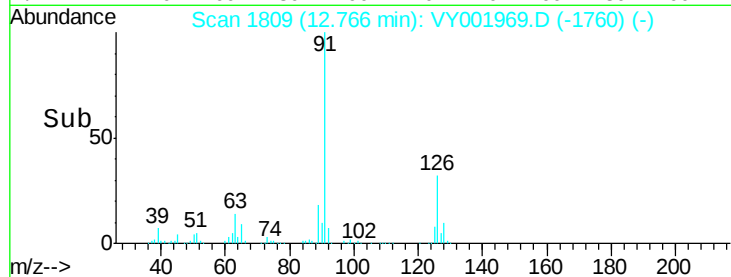
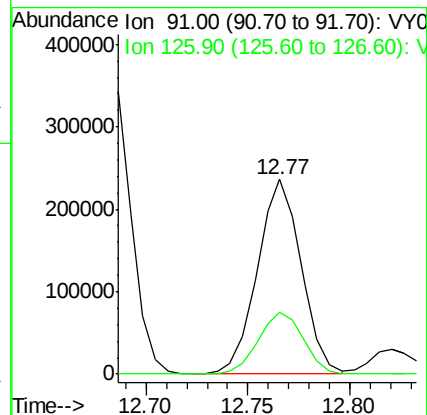
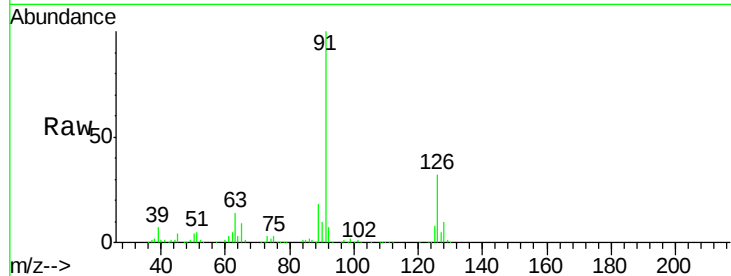
VSTDCCC050EC

Tgt Ion: 91 Resp: 352998

Ion Ratio Lower Upper

91 100

126 32.6 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 49.25 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001969.D

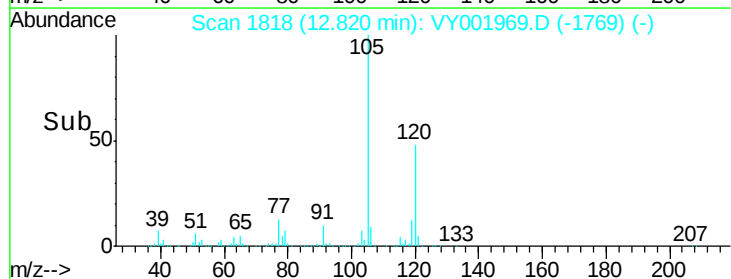
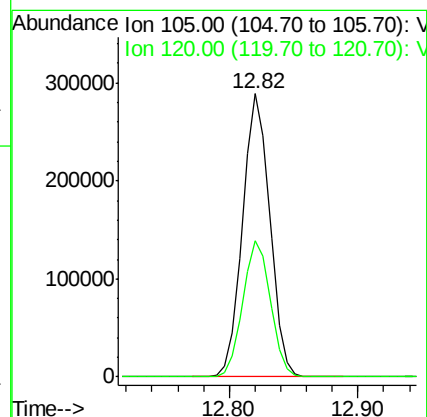
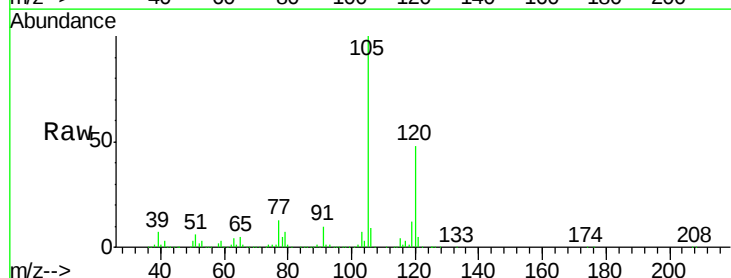
Acq: 12 Mar 2020 20:54

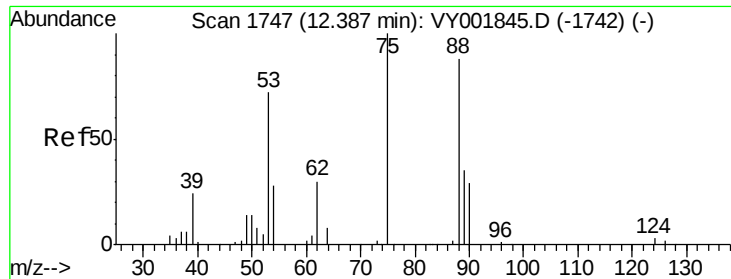
Tgt Ion: 105 Resp: 421934

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2

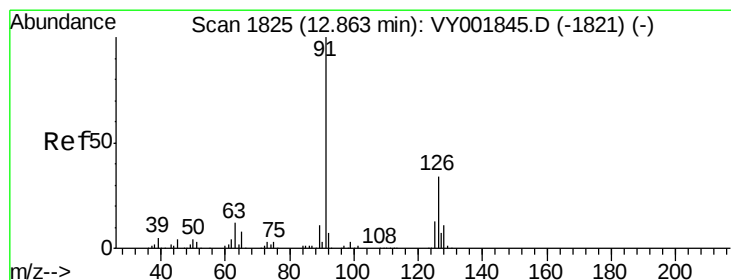
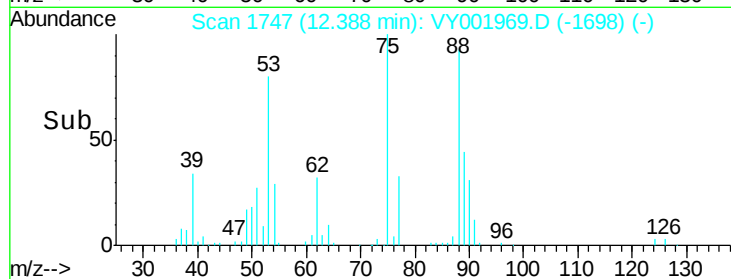
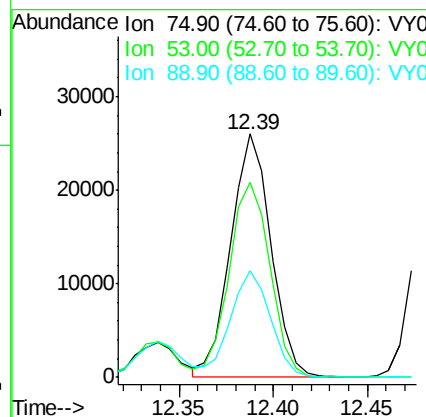
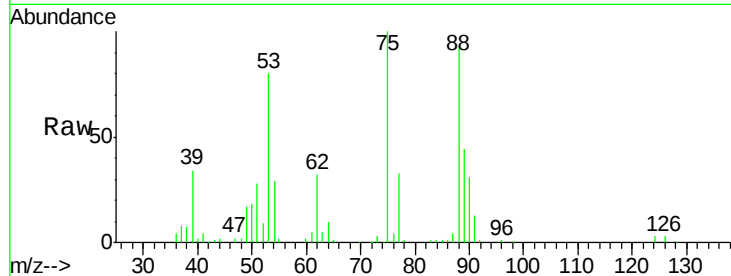




#81
trans-1,4-Dichloro-2-butene
Concen: 48.21 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

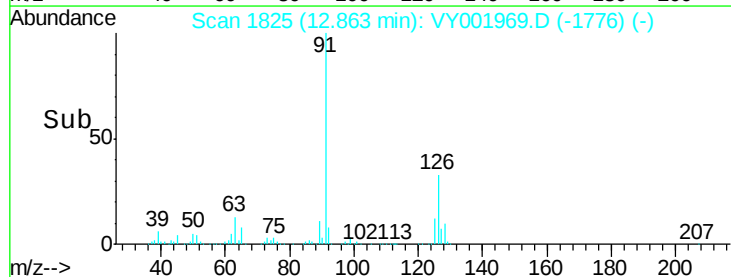
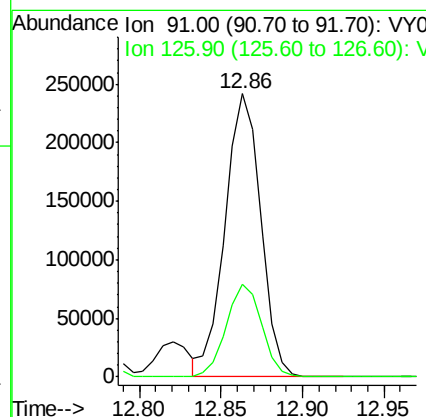
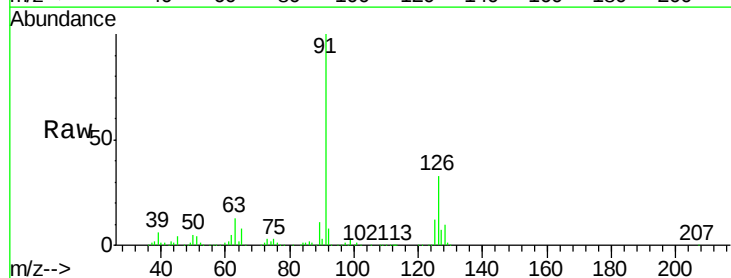
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

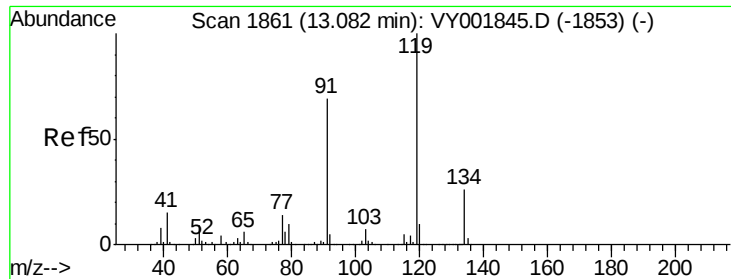
Tgt Ion: 75 Resp: 38607
Ion Ratio Lower Upper
75 100
53 81.8 65.4 98.0
89 43.9 36.0 54.0



#82
4-Chlorotoluene
Concen: 49.73 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY001969.D
Acq: 12 Mar 2020 20:54

Tgt Ion: 91 Resp: 367268
Ion Ratio Lower Upper
91 100
126 32.5 16.4 49.2

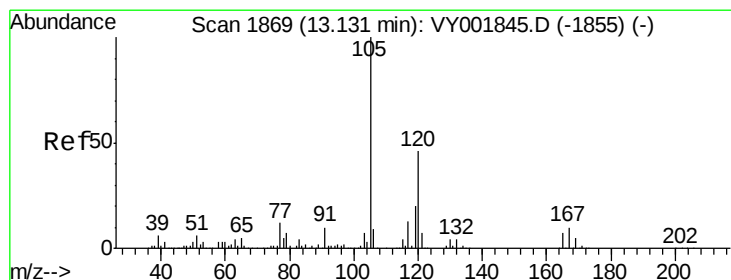
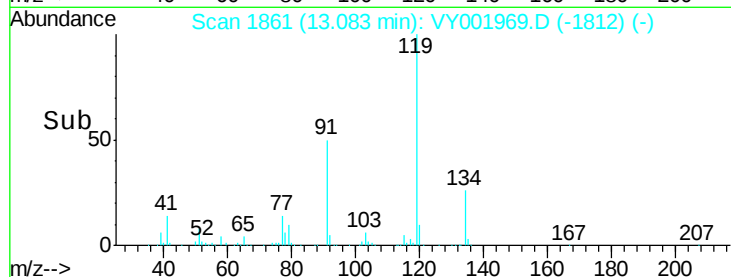
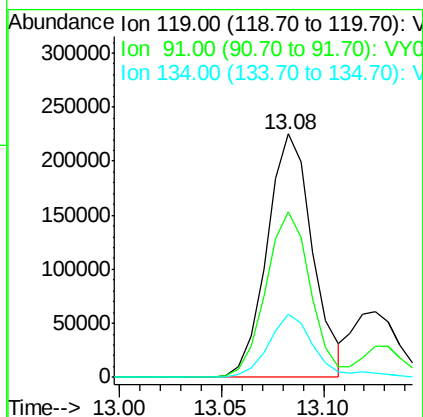
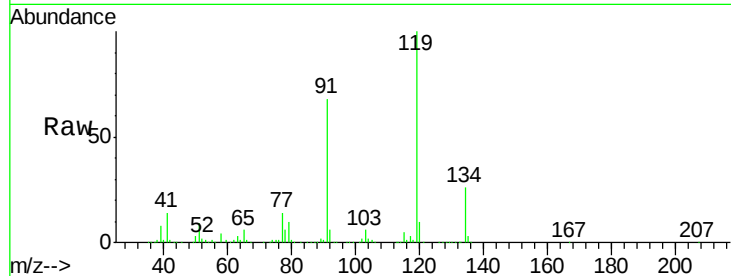




#83
 tert-Butylbenzene
 Concen: 49.35 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

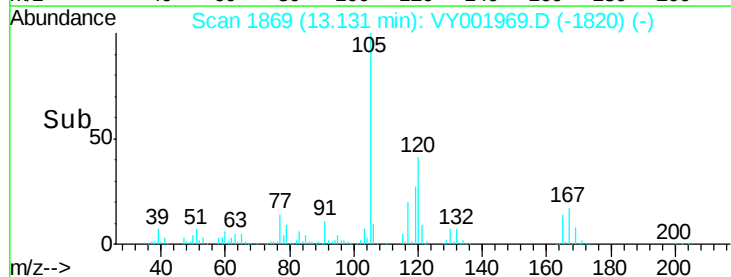
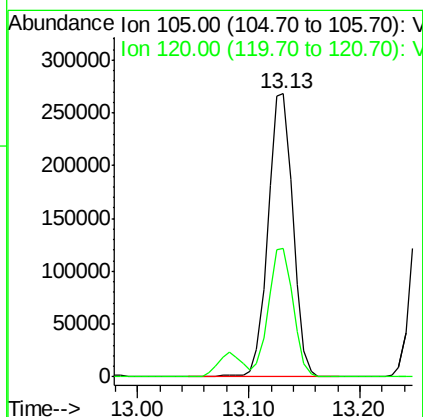
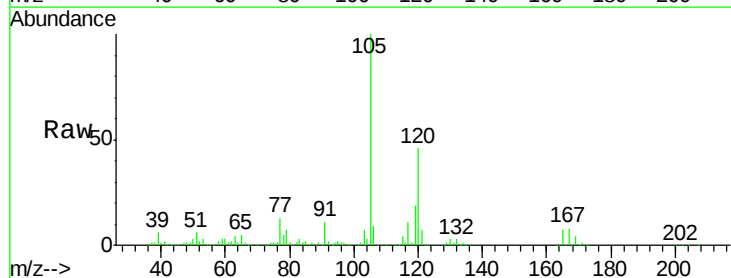
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

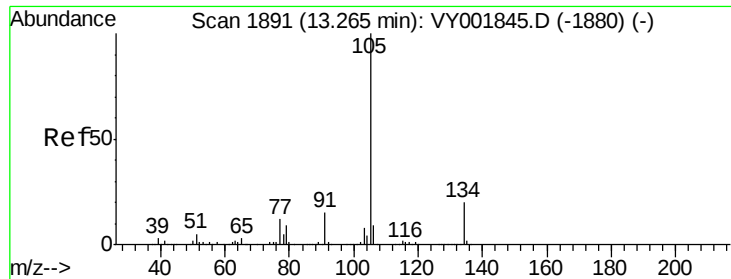
Tgt Ion:119 Resp: 351158
 Ion Ratio Lower Upper
 119 100
 91 67.3 34.0 101.8
 134 26.2 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 49.22 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion:105 Resp: 418519
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.7

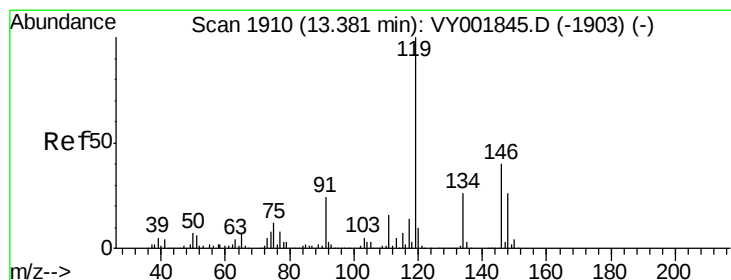
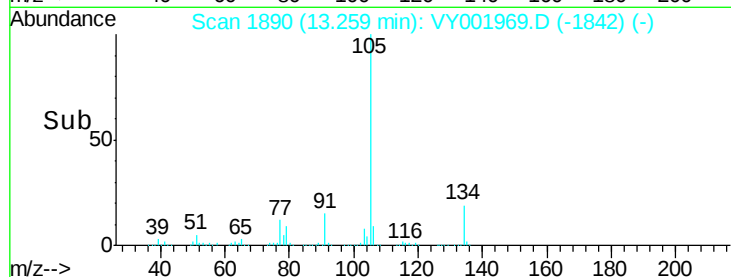
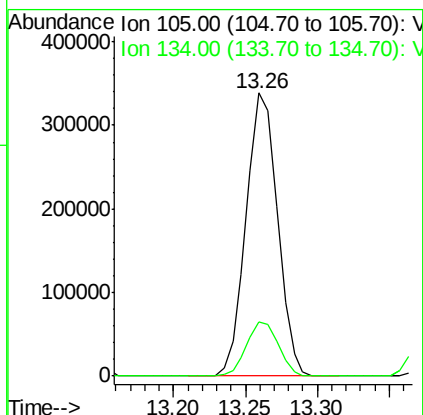
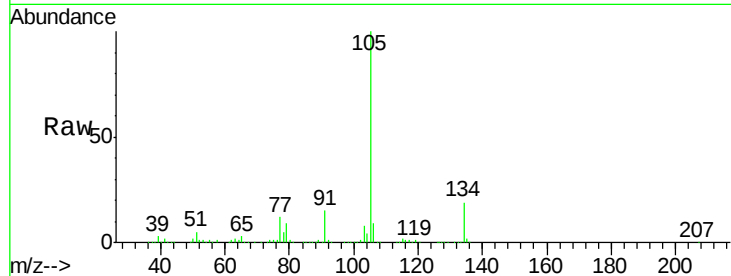




#85
 sec-Butylbenzene
 Concen: 48.85 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

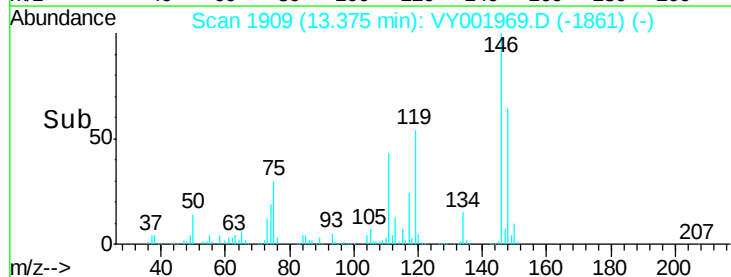
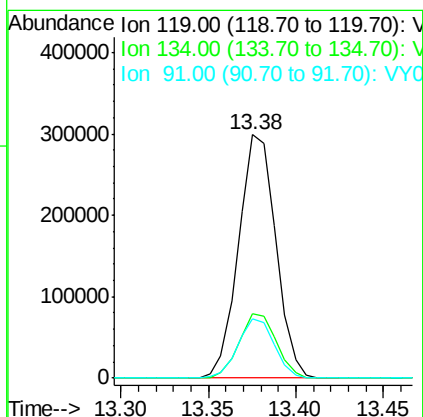
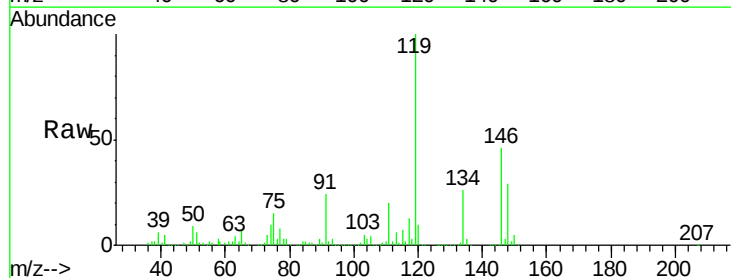
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

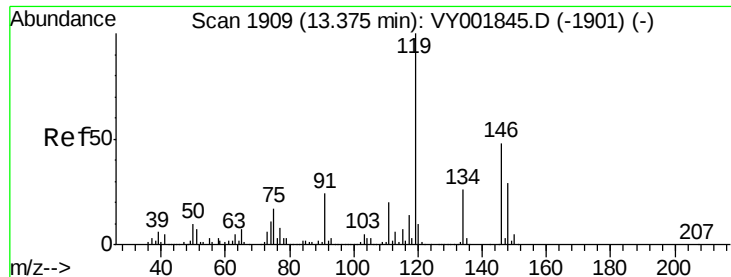
Tgt Ion:105 Resp: 512383
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 48.94 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion:119 Resp: 442762
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 23.7 11.9 35.7

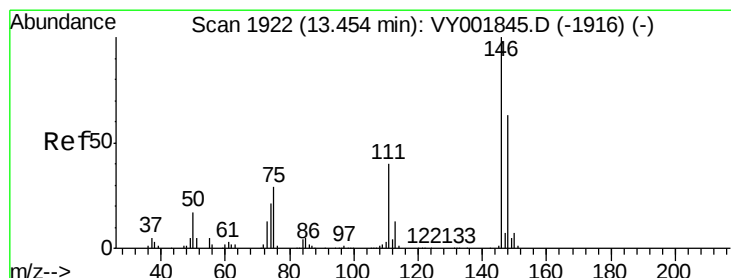
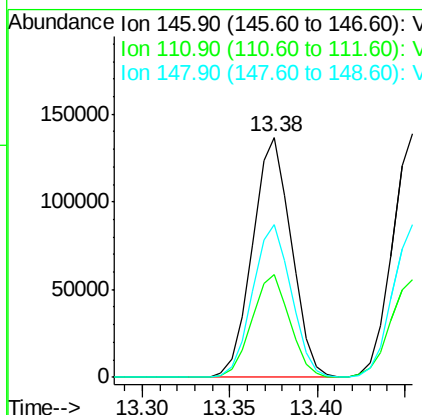
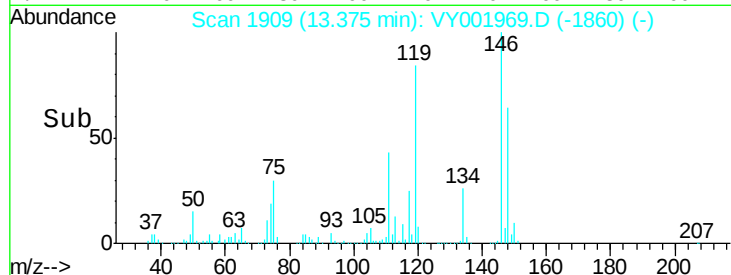
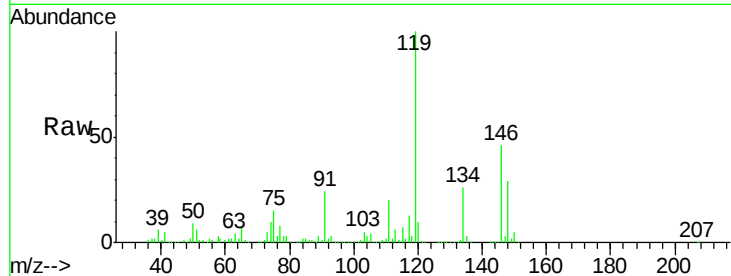




#87
 1,3-Dichlorobenzene
 Concen: 48.83 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

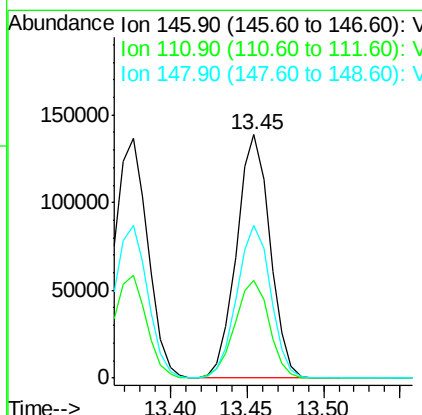
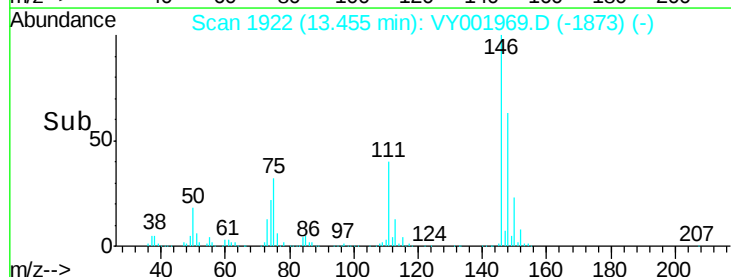
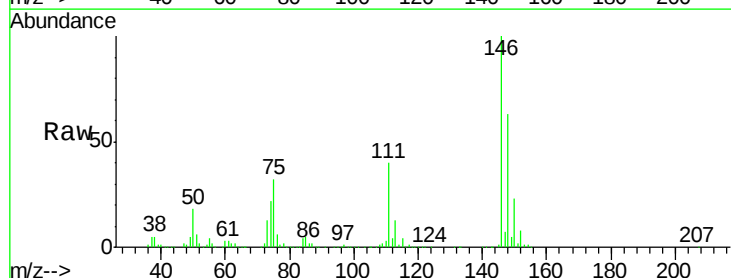
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

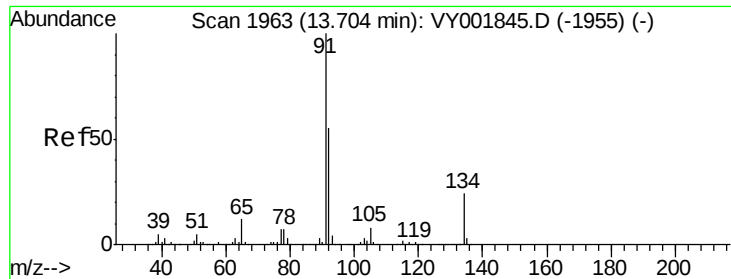
Tgt Ion:146 Resp: 210971
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.8 62.5
 148 63.2 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 48.10 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion:146 Resp: 210835
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.0 60.0
 148 63.5 31.5 94.5





#89

n-Butylbenzene

Concen: 47.65 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

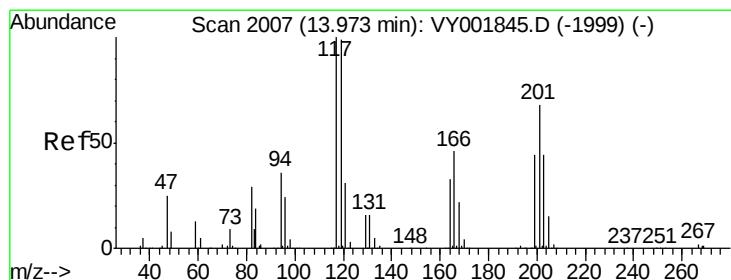
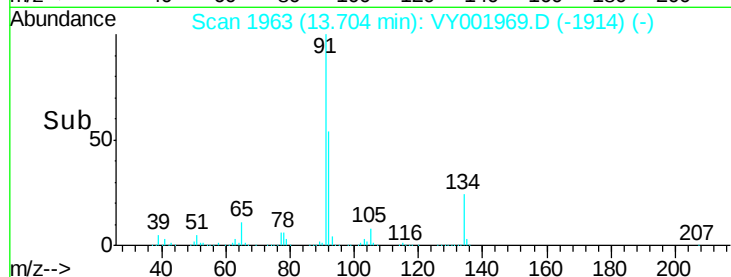
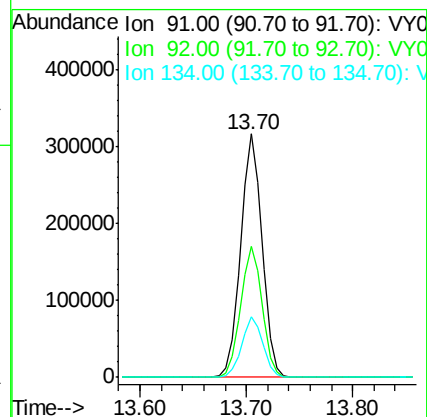
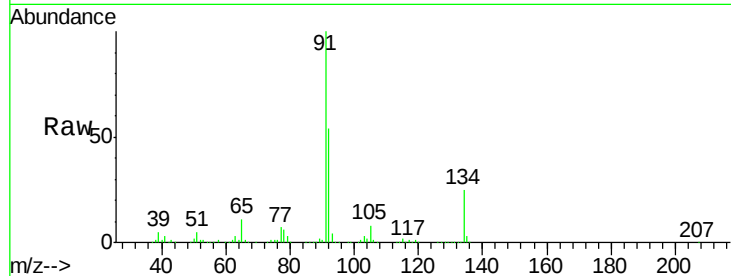
Tgt Ion: 91 Resp: 447335

Ion Ratio Lower Upper

91 100

92 54.1 27.5 82.4

134 24.5 12.5 37.5



#90

Hexachloroethane

Concen: 50.10 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.01 min

Lab File: VY001969.D

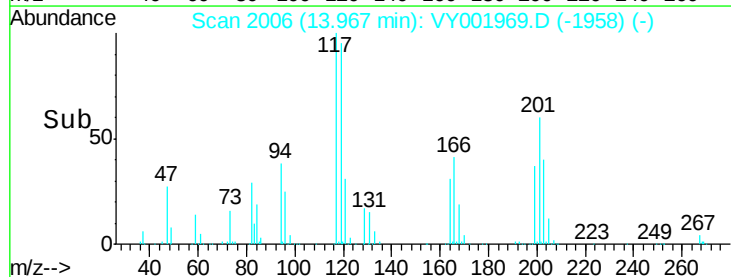
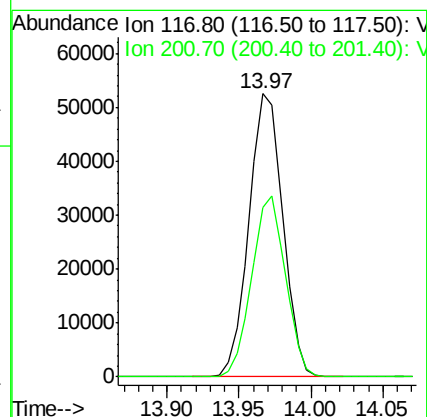
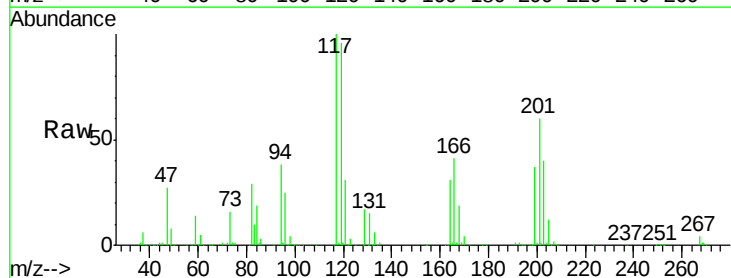
Acq: 12 Mar 2020 20:54

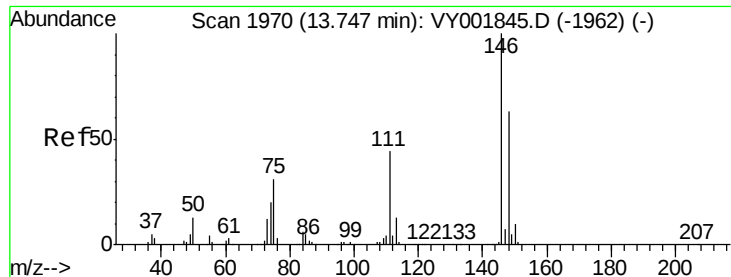
Tgt Ion: 117 Resp: 85519

Ion Ratio Lower Upper

117 100

201 63.7 32.5 97.5

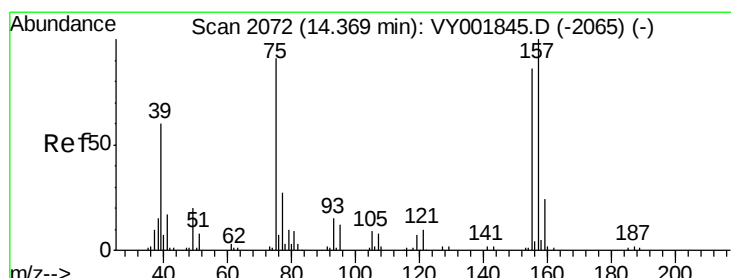
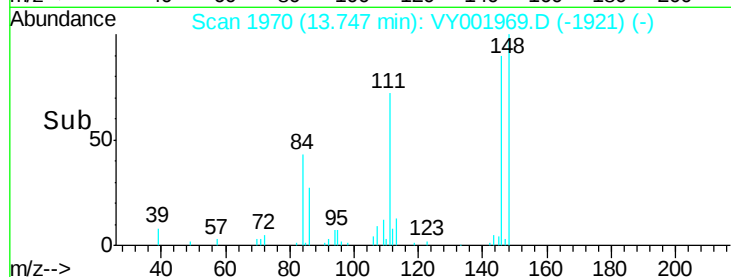
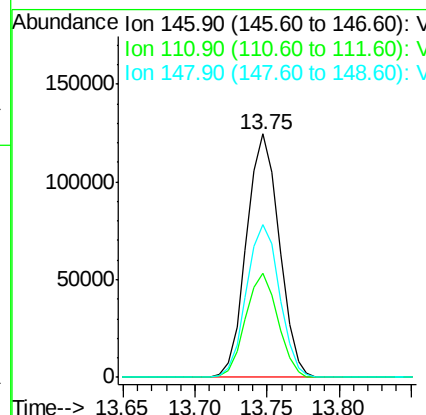
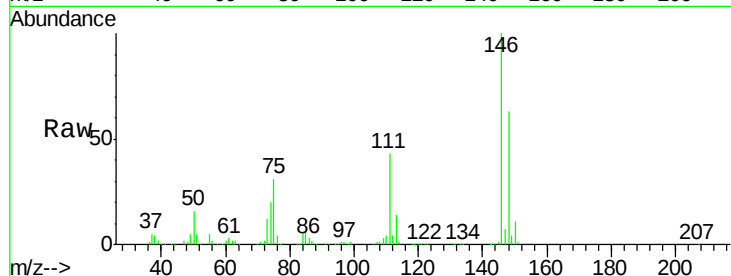




#91
 1,2-Dichlorobenzene
 Concen: 49.94 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

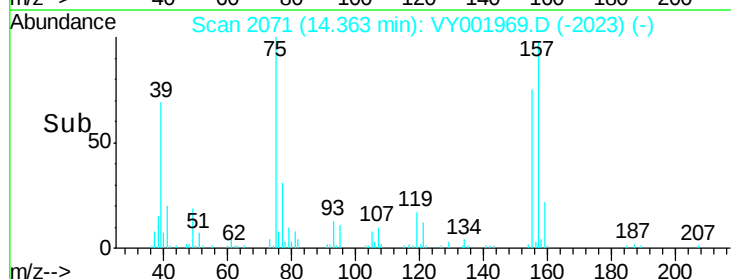
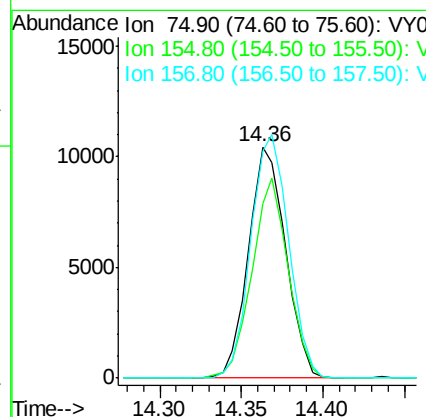
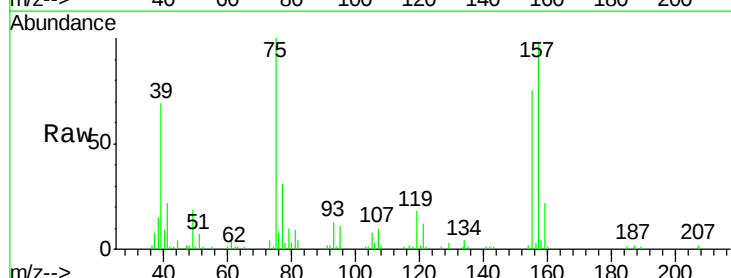
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

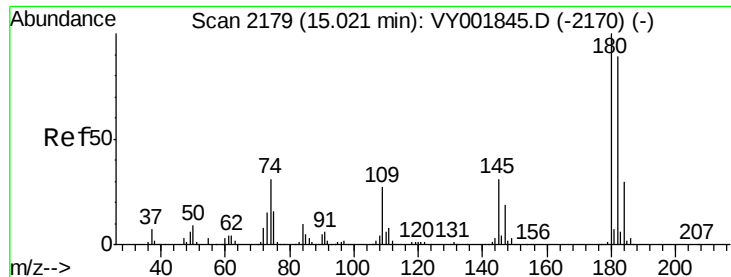
Tgt Ion: 146 Resp: 196029
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.5 64.5
 148 63.4 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.20 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion: 75 Resp: 16531
 Ion Ratio Lower Upper
 75 100
 155 84.4 42.9 128.7
 157 107.1 53.1 159.4

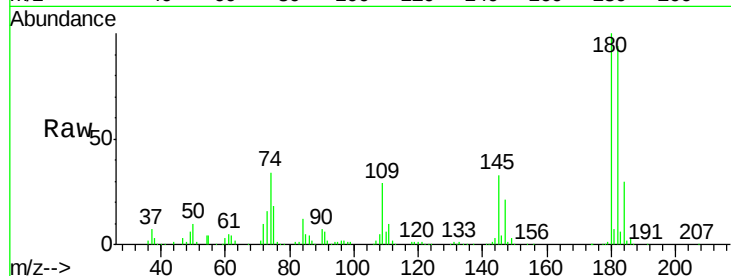




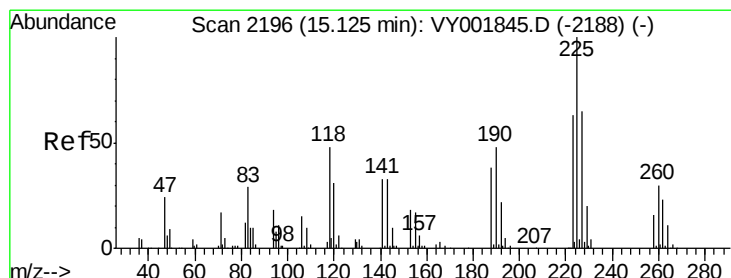
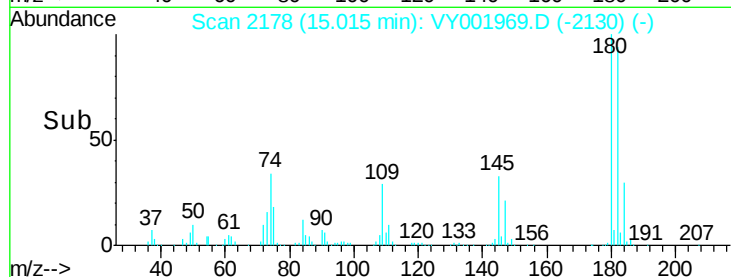
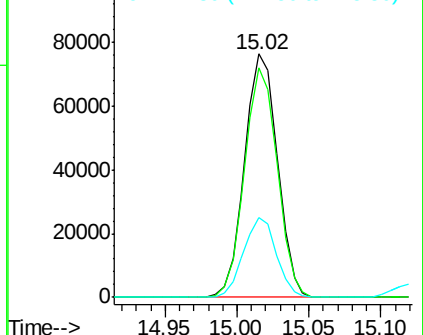
#93
 1,2,4-Trichlorobenzene
 Concen: 47.35 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 120543
 Ion Ratio Lower Upper
 180 100
 182 93.7 46.1 138.3
 145 32.6 15.6 46.8

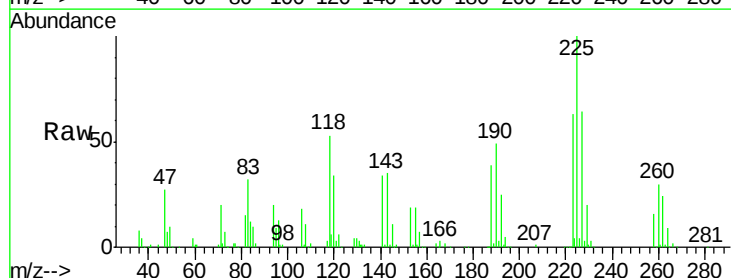


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

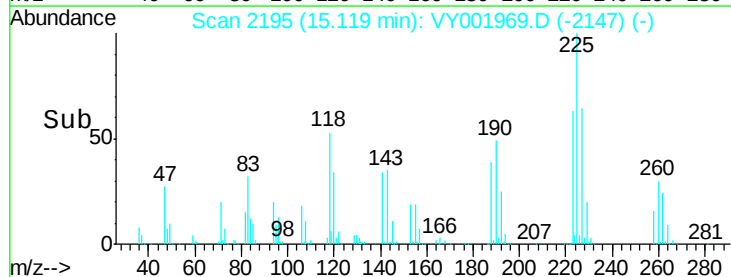
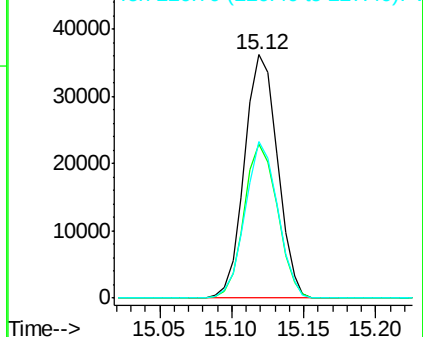


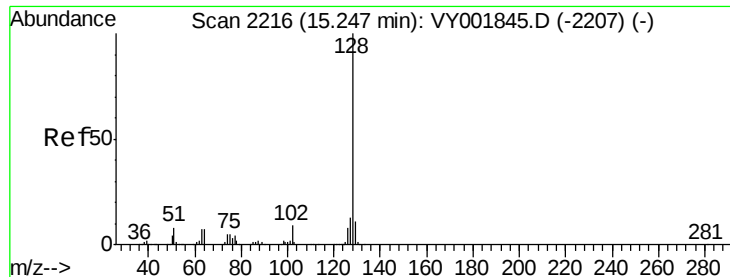
#94
 Hexachlorobutadiene
 Concen: 46.29 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001969.D
 Acq: 12 Mar 2020 20:54

Tgt Ion:225 Resp: 57450
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.5 94.5
 227 63.4 31.9 95.5



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





#95

Naphthalene

Concen: 48.07 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

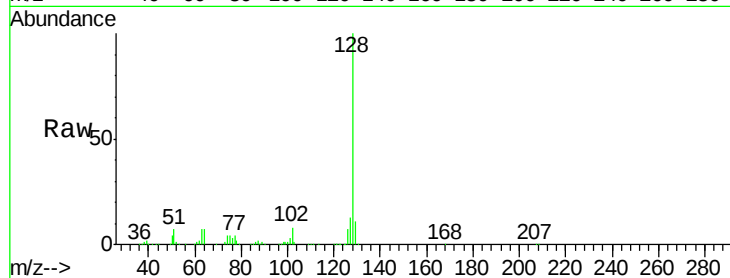
Tgt Ion:128 Resp: 290240

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

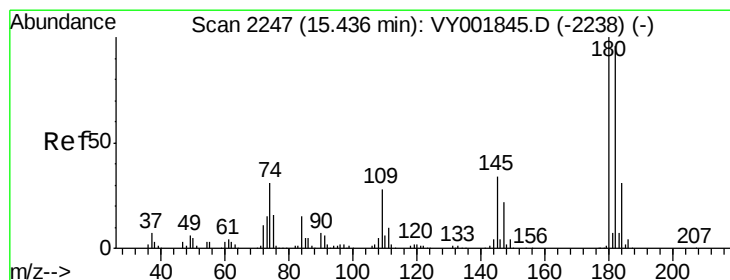
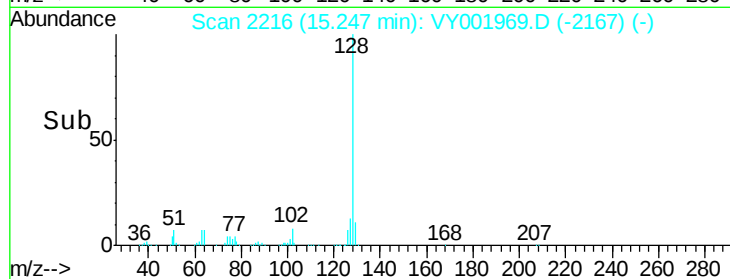
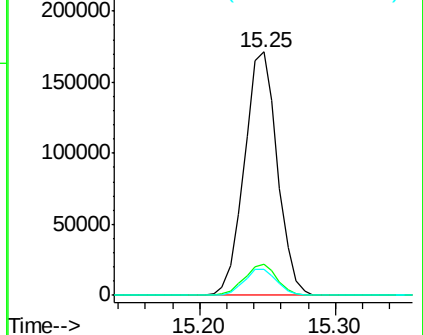
129 10.7 8.6 13.0



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: 47.79 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY001969.D

Acq: 12 Mar 2020 20:54

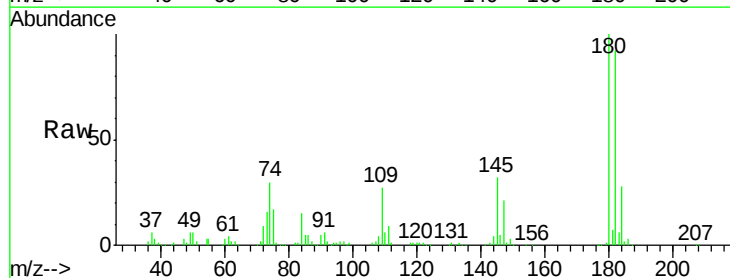
Tgt Ion:180 Resp: 107170

Ion Ratio Lower Upper

180 100

182 95.0 47.6 142.9

145 33.5 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

